

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091521\  
 Data File : VN068483.D  
 Acq On : 15 Sep 2021 14:53  
 Operator : JC/MD  
 Sample : VN0915WBSD01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0915WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 9/16/2021 7:24:22 PM

Quant Time: Sep 16 03:14:35 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N090721W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 10 04:04:05 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.088          | 168  | 580591              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.971          | 114  | 868040              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.747         | 117  | 807944              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.675         | 152  | 395444              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.440          | 65   | 304576              | 57.189  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = 114.380% |         |        |          |
| 35) Dibromofluoromethane     | 8.024          | 113  | 278480              | 53.192  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = 106.380% |         |        |          |
| 50) Toluene-d8               | 10.443         | 98   | 1053709             | 55.408  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = 110.820% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.733         | 95   | 338210              | 55.578  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = 111.160% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.073          | 85   | 87739               | 18.509  | ug/l   | 99       |
| 3) Chloromethane             | 2.303          | 50   | 89552               | 18.837  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.443          | 62   | 143496              | 19.961  | ug/l   | 99       |
| 5) Bromomethane              | 2.853          | 94   | 138848              | 19.865  | ug/l   | 99       |
| 6) Chloroethane              | 3.019          | 64   | 105816              | 19.993  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.373          | 101  | 168398              | 18.677  | ug/l   | 98       |
| 8) Diethyl Ether             | 3.829          | 74   | 52578               | 19.334  | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 4.218          | 101  | 94813               | 19.029  | ug/l   | 97       |
| 10) Methyl Iodide            | 4.425          | 142  | 129802              | 18.266  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.366          | 59   | 75063               | 93.678  | ug/l # | 96       |
| 12) 1,1-Dichloroethene       | 4.186          | 96   | 88253               | 19.347  | ug/l   | 95       |
| 13) Acrolein                 | 4.047          | 56   | 24825               | 62.773  | ug/l   | 97       |
| 14) Allyl chloride           | 4.843          | 41   | 110168              | 19.014  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.557          | 53   | 204662              | 100.780 | ug/l   | 98       |
| 16) Acetone                  | 4.291          | 43   | 160941              | 91.320  | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.535          | 76   | 215904              | 17.627  | ug/l   | 100      |
| 18) Methyl Acetate           | 4.859          | 43   | 98515               | 20.229  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.618          | 73   | 300224              | 19.643  | ug/l   | 97       |
| 20) Methylene Chloride       | 5.101          | 84   | 106021              | 20.523  | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 5.602          | 96   | 97034               | 18.633  | ug/l   | 97       |
| 22) Diisopropyl ether        | 6.495          | 45   | 251672              | 20.060  | ug/l   | 94       |
| 23) Vinyl Acetate            | 6.436          | 43   | 961487              | 102.544 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.388          | 63   | 165542              | 19.474  | ug/l   | 99       |
| 25) 2-Butanone               | 7.335          | 43   | 259594              | 100.308 | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 7.329          | 77   | 149719              | 19.077  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.327          | 96   | 116038              | 18.971  | ug/l   | 97       |
| 28) Bromochloromethane       | 7.662          | 49   | 58531               | 17.694  | ug/l   | 97       |
| 29) Tetrahydrofuran          | 7.686          | 42   | 176632              | 104.547 | ug/l   | 98       |
| 30) Chloroform               | 7.820          | 83   | 195819              | 19.471  | ug/l   | 98       |
| 31) Cyclohexane              | 8.096          | 56   | 150381              | 18.633  | ug/l # | 96       |
| 32) 1,1,1-Trichloroethane    | 8.019          | 97   | 189592              | 20.321  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.225          | 75   | 137421              | 18.989  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.412          | 43   | 112388              | 20.416  | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 8.209          | 117  | 170724              | 19.692  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.461          | 83   | 174755              | 19.087  | ug/l   | 99       |
| 40) Benzene                  | 8.461          | 78   | 427278              | 19.946  | ug/l   | 98       |

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 Data File : VN068483.D  
 Acq On : 15 Sep 2021 14:53  
 Operator : JC/MD  
 Sample : VN0915WBSD01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0915WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 9/16/2021 7:24:22 PM

Quant Time: Sep 16 03:14:35 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N090721W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 10 04:04:05 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.643  | 41   | 54264    | 20.031  | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 8.531  | 62   | 147823   | 19.916  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.563  | 43   | 193197   | 19.892  | ug/l   | 98       |
| 44) Trichloroethene           | 9.220  | 130  | 133023   | 19.613  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.491  | 63   | 98508    | 19.262  | ug/l   | 100      |
| 46) Dibromomethane            | 9.580  | 93   | 83692    | 20.330  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.765  | 83   | 153943   | 19.707  | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.561  | 41   | 75157    | 18.531  | ug/l   | 88       |
| 49) 1,4-Dioxane               | 9.569  | 88   | 38931    | 418.442 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.333 | 43   | 577395   | 104.142 | ug/l   | 100      |
| 52) Toluene                   | 10.507 | 92   | 296811   | 20.883  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.722 | 75   | 150573   | 20.120  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.191 | 75   | 162768   | 19.848  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.899 | 97   | 115894   | 20.547  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.762 | 69   | 143575   | 20.495  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 11.047 | 76   | 175068   | 20.140  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.043 | 63   | 66290    | 120.245 | ug/l   | 97       |
| 59) 2-Hexanone                | 11.087 | 43   | 390533   | 105.178 | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.240 | 129  | 136869   | 20.618  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.347 | 107  | 123446   | 20.642  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.980 | 164  | 141431   | 19.751  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.773 | 112  | 330484   | 19.909  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.843 | 131  | 133487   | 20.456  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.848 | 91   | 546610   | 20.122  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.956 | 106  | 457089   | 41.787  | ug/l   | 99       |
| 69) o-Xylene                  | 12.283 | 106  | 221044   | 20.740  | ug/l   | 99       |
| 70) Styrene                   | 12.296 | 104  | 340498   | 21.078  | ug/l   | 99       |
| 71) Bromoform                 | 12.460 | 173  | 104410   | 20.870  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.581 | 105  | 559157   | 19.878  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.390 | 43   | 121993   | 19.444  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.830 | 83   | 154011   | 19.530  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.884 | 75   | 124056m  | 19.874  | ug/l   |          |
| 77) Bromobenzene              | 12.862 | 156  | 153674   | 19.751  | ug/l   | 96       |
| 78) n-propylbenzene           | 12.924 | 91   | 585227   | 19.703  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.010 | 91   | 361883   | 19.763  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 13.061 | 105  | 471145   | 20.618  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.629 | 75   | 37273    | 20.889  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 13.106 | 91   | 349863   | 19.813  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.326 | 119  | 422539   | 20.252  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.369 | 105  | 456125   | 20.812  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.503 | 105  | 556349   | 20.223  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.619 | 119  | 465483   | 20.046  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.619 | 146  | 265733   | 19.684  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.696 | 146  | 258289   | 19.412  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.946 | 91   | 319299   | 18.876  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.211 | 117  | 86233    | 21.156  | ug/l   | 88       |
| 91) 1,2-Dichlorobenzene       | 13.989 | 146  | 258405   | 19.843  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.606 | 75   | 24888    | 19.883  | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 15.265 | 180  | 98009    | 16.480  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.373 | 225  | 72447    | 18.851  | ug/l   | 100      |
| 95) Naphthalene               | 15.507 | 128  | 184290   | 14.446  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.702 | 180  | 89754    | 15.808  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091521\  
Data File : VN068483.D  
Acq On : 15 Sep 2021 14:53  
Operator : JC/MD  
Sample : VN0915WBSD01  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01

Manual Integrations  
APPROVED

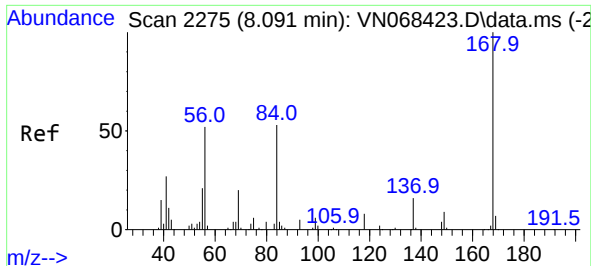
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9/16/2021 7:24:22 PM

Quant Time: Sep 16 03:14:35 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N090721W.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 10 04:04:05 2021  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

(#) = qualifier out of range (m) = manual integration (+) = signals summed





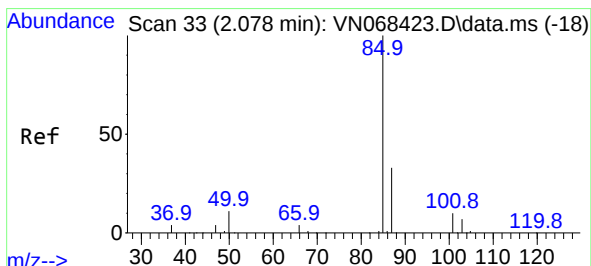
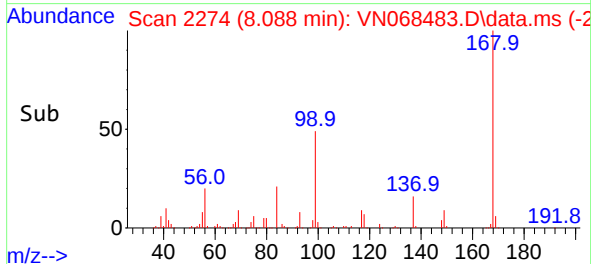
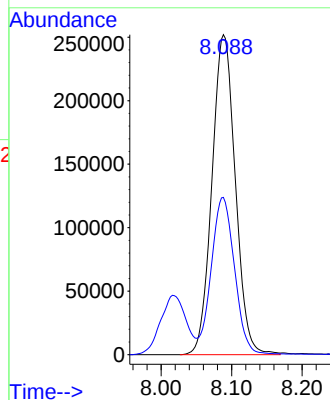
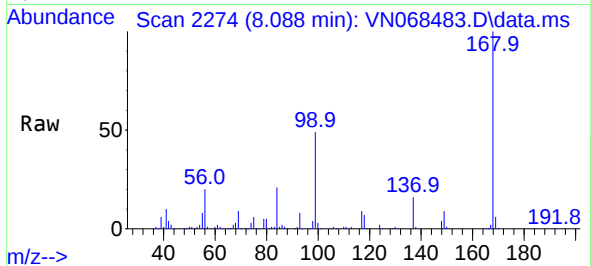
#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. -0.003 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 168 Resp: 580591  
Ion Ratio Lower Upper  
168 100  
99 48.9 38.2 57.4

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01

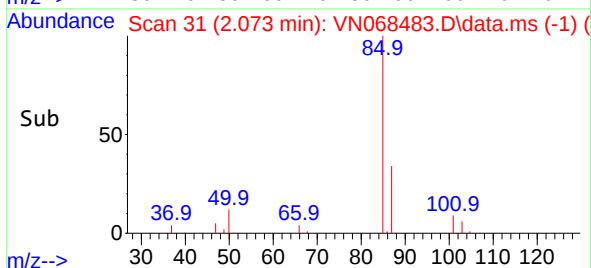
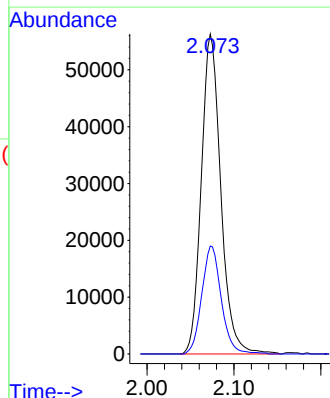
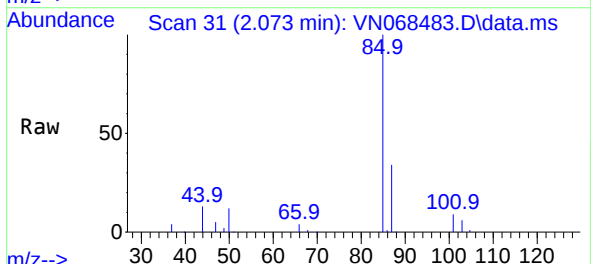
Manual Integrations  
APPROVED

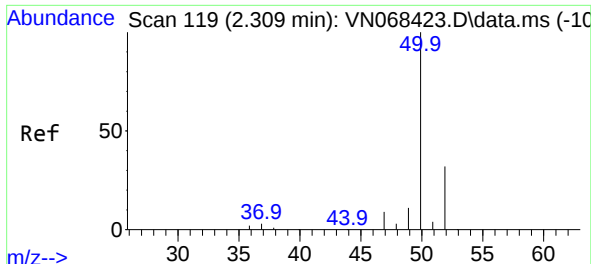
MMDadoda  
9/16/2021 7:24:22 PM



#2  
Dichlorodifluoromethane  
Concen: 18.509 ug/l  
RT: 2.073 min Scan# 31  
Delta R.T. -0.005 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 85 Resp: 87739  
Ion Ratio Lower Upper  
85 100  
87 33.7 16.5 49.5





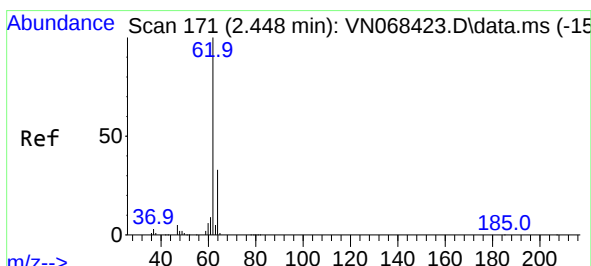
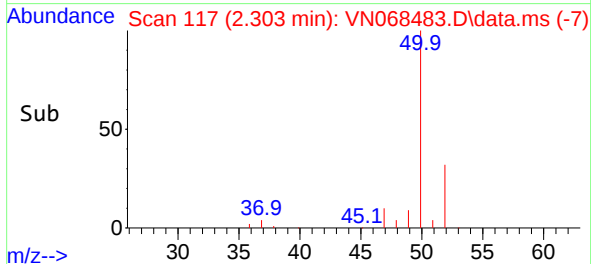
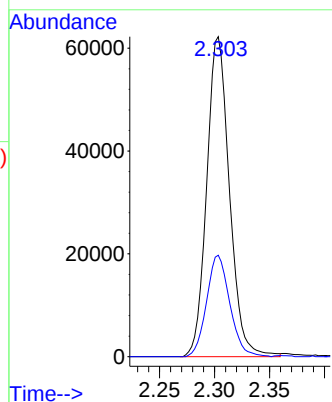
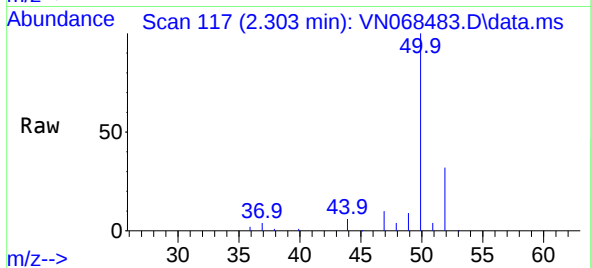
#3  
Chloromethane  
Concen: 18.837 ug/l  
RT: 2.303 min Scan# 117  
Delta R.T. -0.005 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 50 Resp: 89552  
Ion Ratio Lower Upper  
50 100  
52 31.7 25.8 38.6

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01

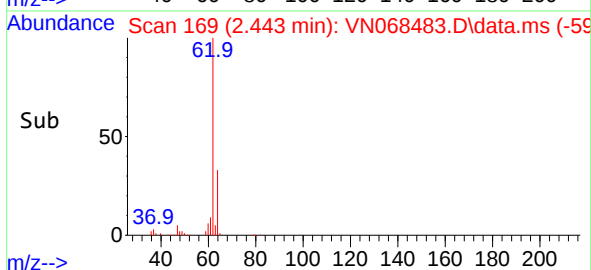
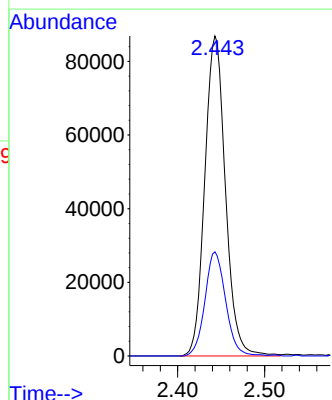
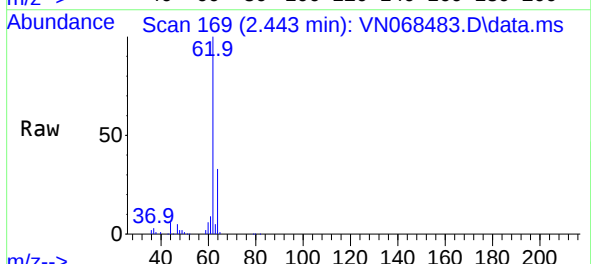
Manual Integrations  
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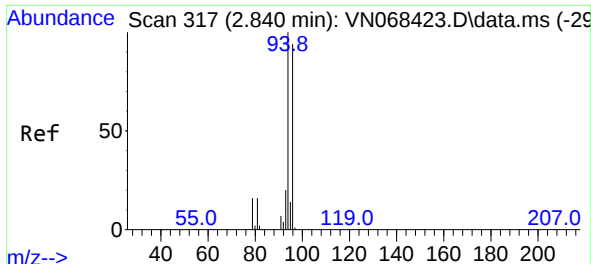
MMDadoda  
9/16/2021 7:24:22 PM



#4  
Vinyl Chloride  
Concen: 19.961 ug/l  
RT: 2.443 min Scan# 169  
Delta R.T. -0.005 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

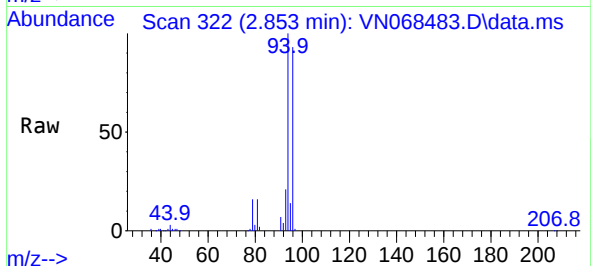
Tgt Ion: 62 Resp: 143496  
Ion Ratio Lower Upper  
62 100  
64 32.5 26.3 39.5





#5  
Bromomethane  
Concen: 19.865 ug/l  
RT: 2.853 min Scan# 322  
Delta R.T. 0.013 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

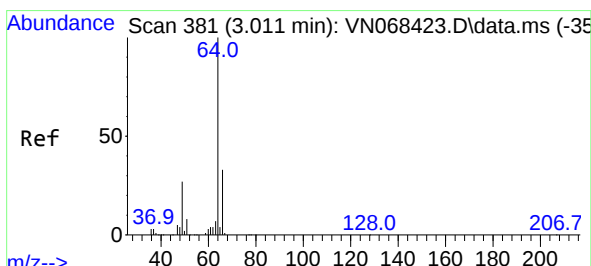
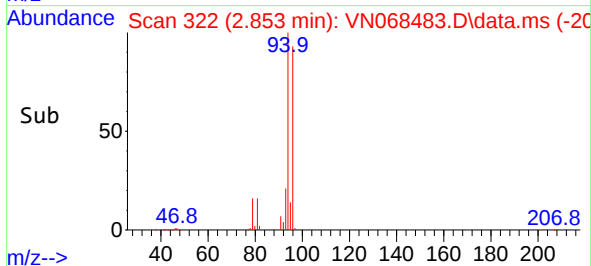
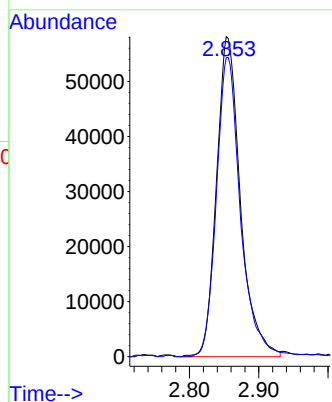
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01



Tgt Ion: 94 Resp: 138848  
Ion Ratio Lower Upper  
94 100  
96 93.4 75.4 113.0

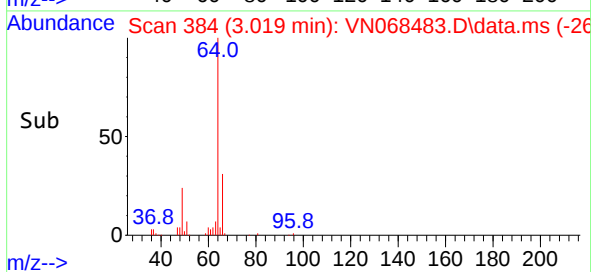
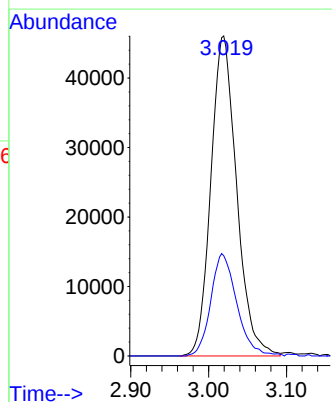
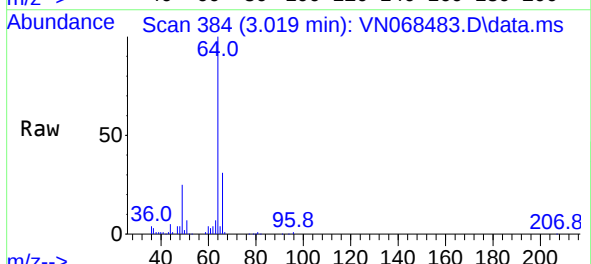
Manual Integrations  
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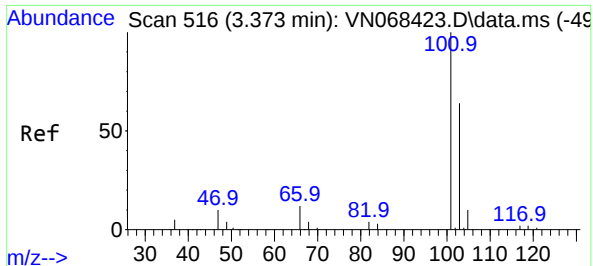
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#6  
Chloroethane  
Concen: 19.993 ug/l  
RT: 3.019 min Scan# 384  
Delta R.T. 0.008 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 64 Resp: 105816  
Ion Ratio Lower Upper  
64 100  
66 31.4 26.6 40.0





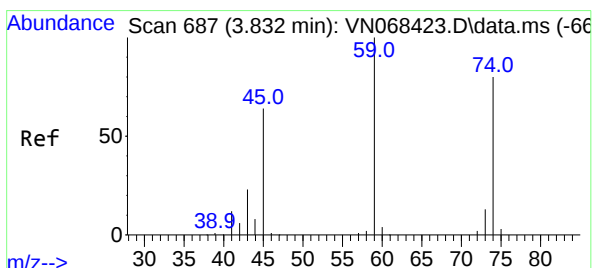
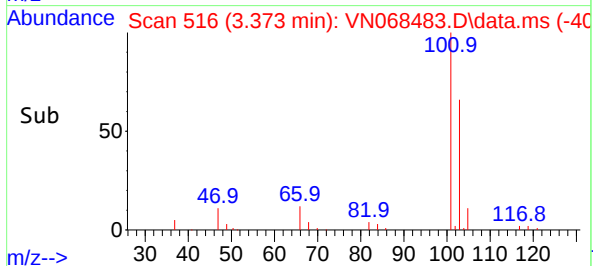
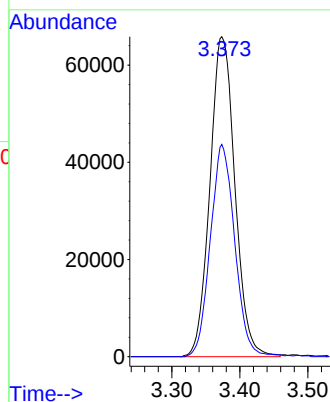
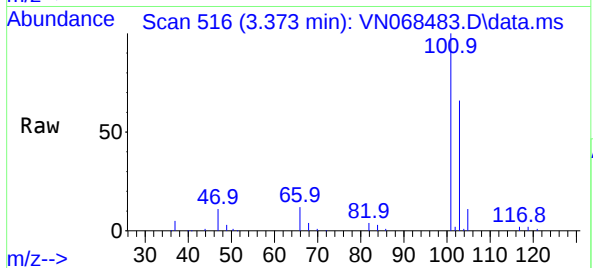
#7  
Trichlorofluoromethane  
Concen: 18.677 ug/l  
RT: 3.373 min Scan# 516  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion:101 Resp: 168398  
Ion Ratio Lower Upper  
101 100  
103 66.4 51.5 77.3

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01

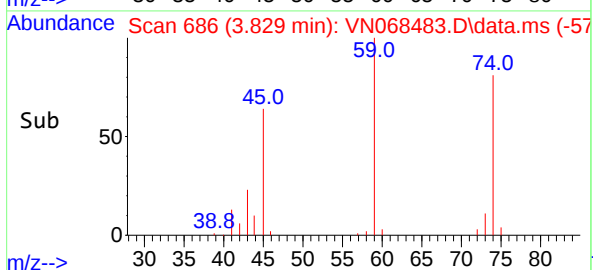
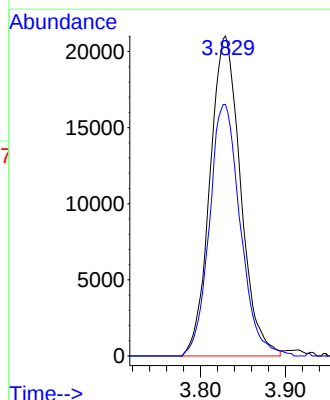
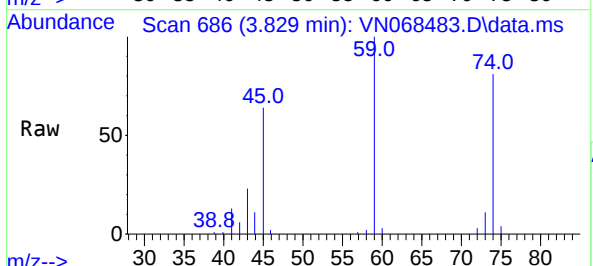
Manual Integrations  
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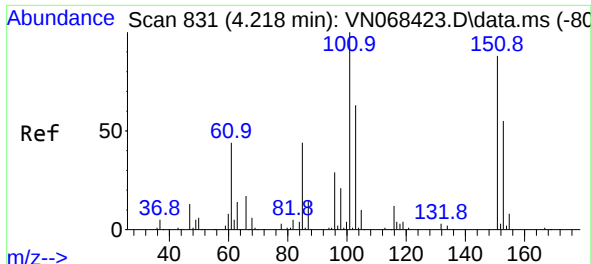
MMDadoda  
9/16/2021 7:24:22 PM



#8  
Diethyl Ether  
Concen: 19.334 ug/l  
RT: 3.829 min Scan# 686  
Delta R.T. -0.003 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 74 Resp: 52578  
Ion Ratio Lower Upper  
74 100  
45 79.4 38.6 116.0





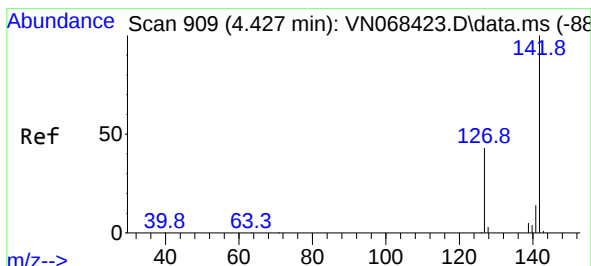
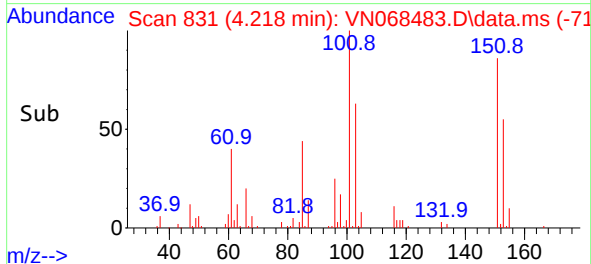
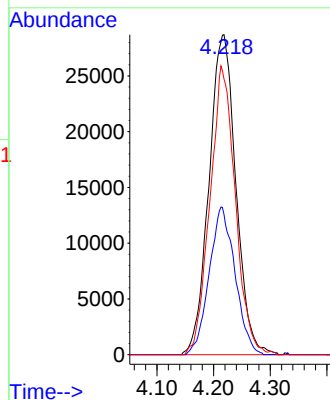
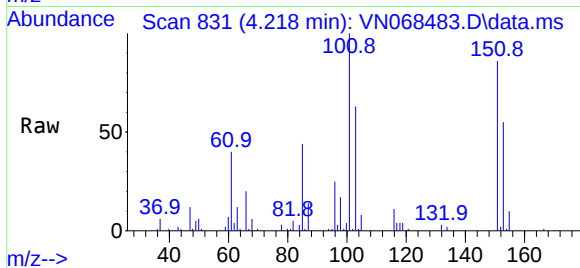
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.029 ug/l  
RT: 4.218 min Scan# 831  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion:101 Resp: 94813  
Ion Ratio Lower Upper  
101 100  
85 44.3 35.7 53.5  
151 84.8 71.6 107.4

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01

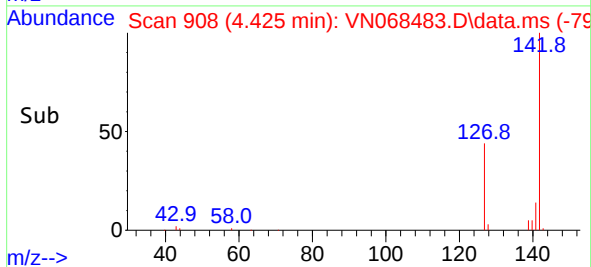
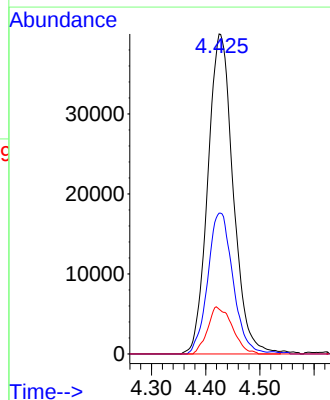
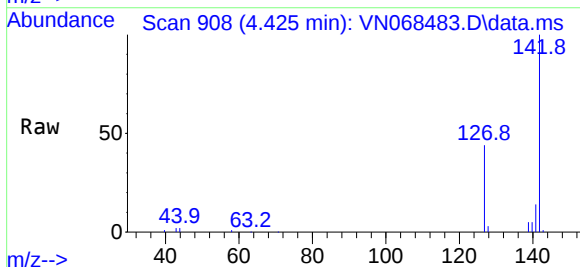
Manual Integrations  
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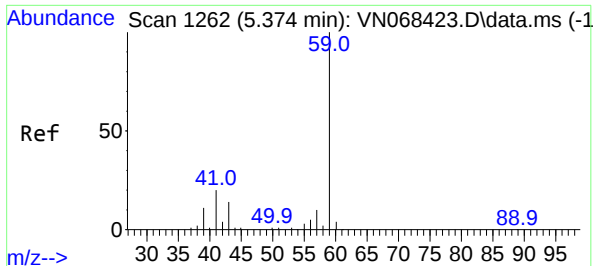
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9/16/2021 7:24:22 PM



#10  
Methyl Iodide  
Concen: 18.266 ug/l  
RT: 4.425 min Scan# 908  
Delta R.T. -0.003 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion:142 Resp: 129802  
Ion Ratio Lower Upper  
142 100  
127 43.8 34.7 52.1  
141 14.4 11.3 16.9



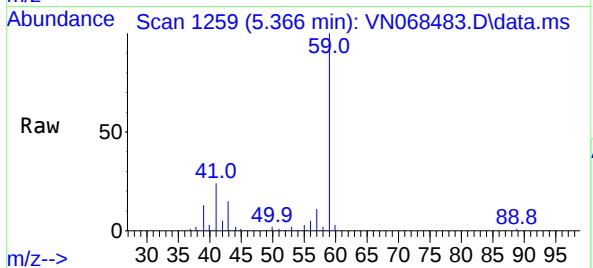


#11  
Tert butyl alcohol  
Concen: 93.678 ug/l  
RT: 5.366 min Scan# 1259  
Delta R.T. -0.008 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

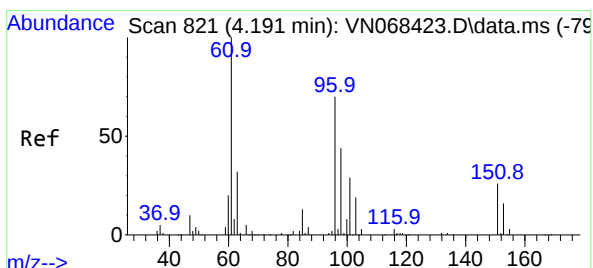
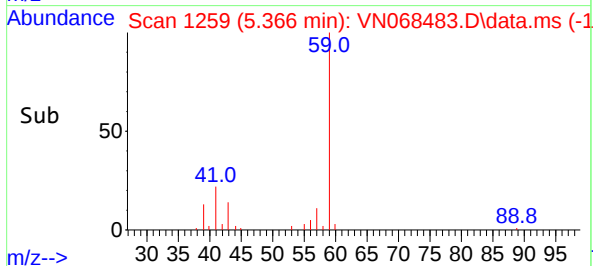
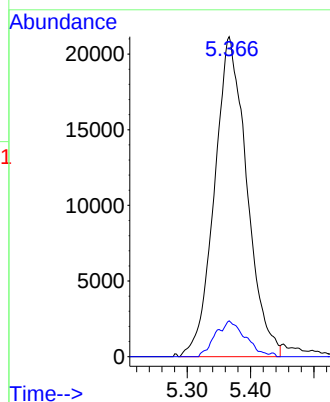
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01

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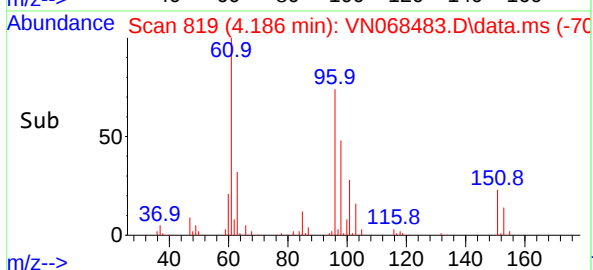
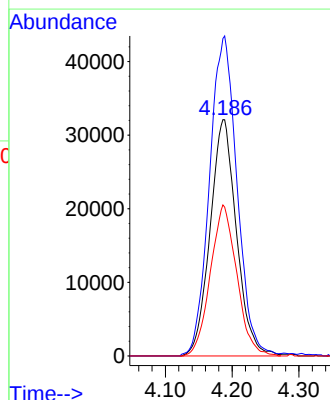
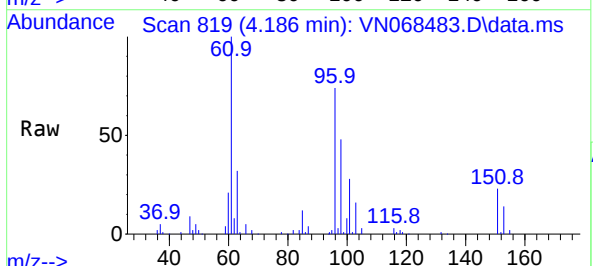


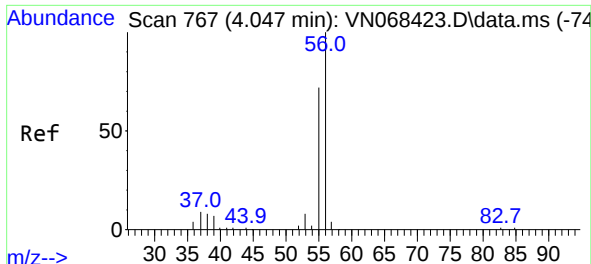
Tgt Ion: 59 Resp: 75063  
Ion Ratio Lower Upper  
59 100  
57 6.6 4.3 6.5#



#12  
1,1-Dichloroethene  
Concen: 19.347 ug/l  
RT: 4.186 min Scan# 819  
Delta R.T. -0.005 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

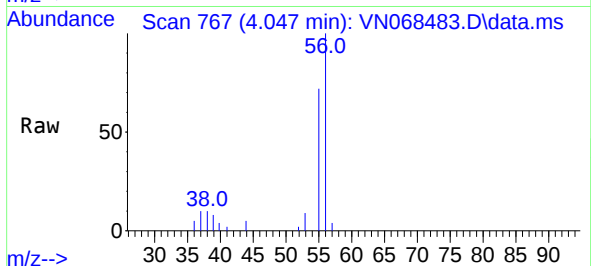
Tgt Ion: 96 Resp: 88253  
Ion Ratio Lower Upper  
96 100  
61 134.3 114.7 172.1  
98 63.9 50.9 76.3



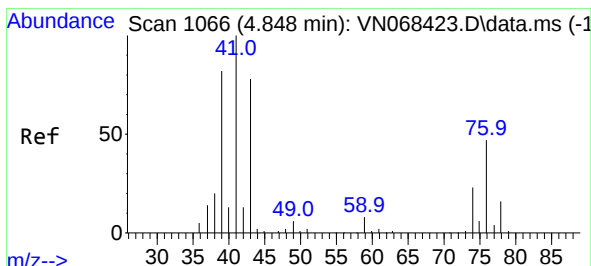
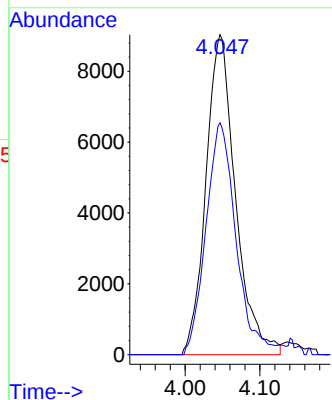
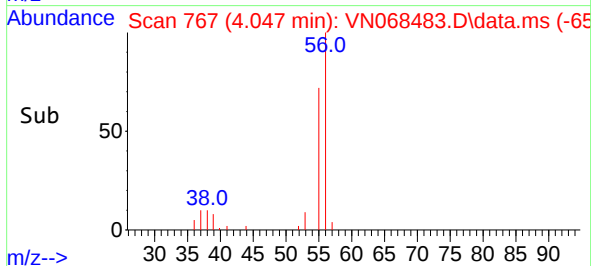


#13  
Acrolein  
Concen: 62.773 ug/l  
RT: 4.047 min Scan# 767  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

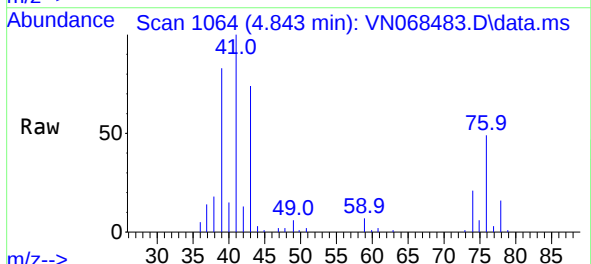
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01



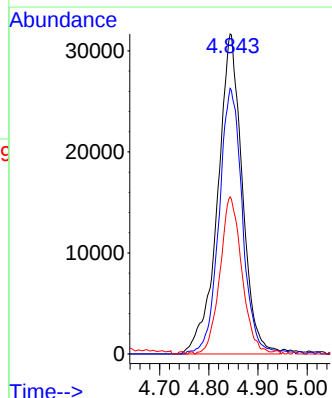
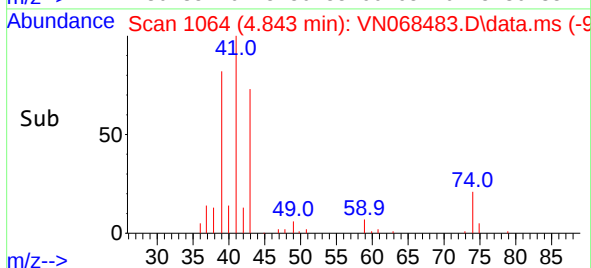
Tgt Ion: 56 Resp: 24825  
Ion Ratio Lower Upper  
56 100  
55 73.4 56.8 85.2

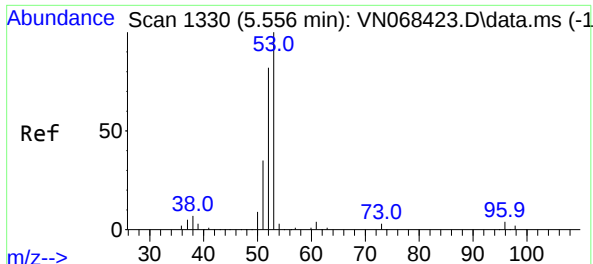


#14  
Allyl chloride  
Concen: 19.014 ug/l  
RT: 4.843 min Scan# 1064  
Delta R.T. -0.005 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53



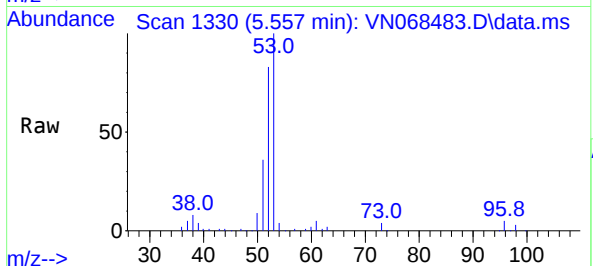
Tgt Ion: 41 Resp: 110168  
Ion Ratio Lower Upper  
41 100  
39 78.5 62.0 93.0  
76 43.6 34.6 52.0





#15  
Acrylonitrile  
Concen: 100.780 ug/l  
RT: 5.557 min Scan# 1330  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

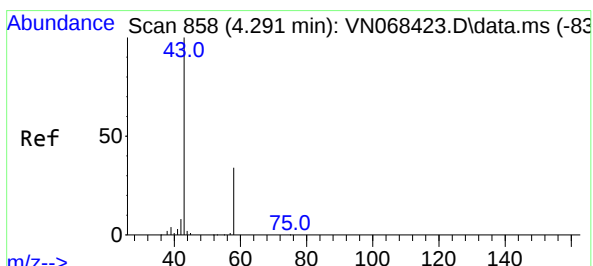
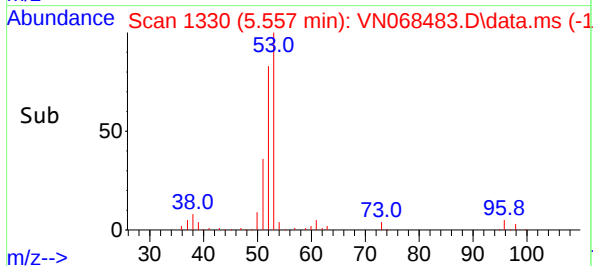
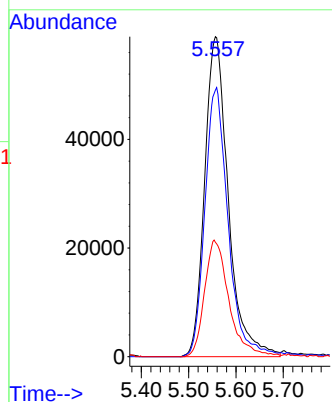
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01



Tgt Ion: 53 Resp: 204662  
Ion Ratio Lower Upper  
53 100  
52 82.6 64.5 96.7  
51 37.4 29.5 44.3

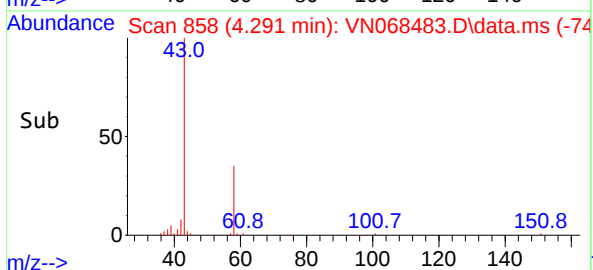
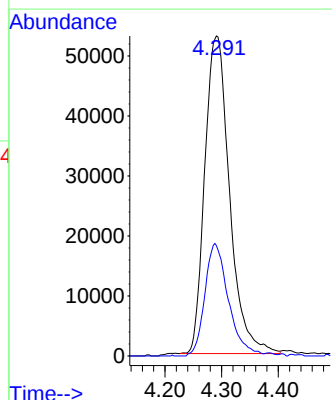
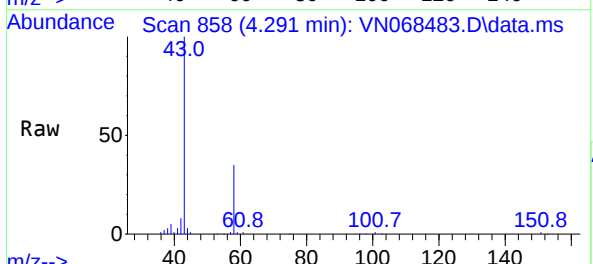
Manual Integrations  
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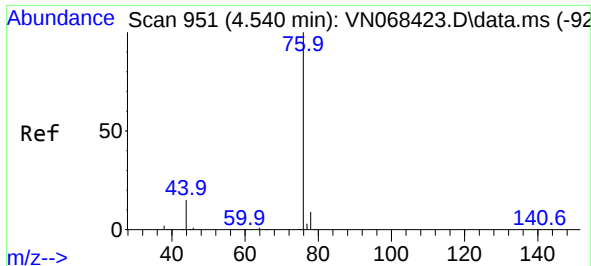
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#16  
Acetone  
Concen: 91.320 ug/l  
RT: 4.291 min Scan# 858  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 43 Resp: 160941  
Ion Ratio Lower Upper  
43 100  
58 34.8 27.0 40.6





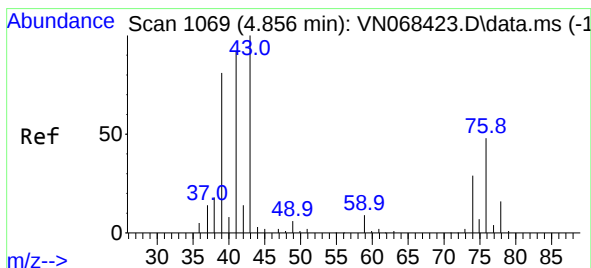
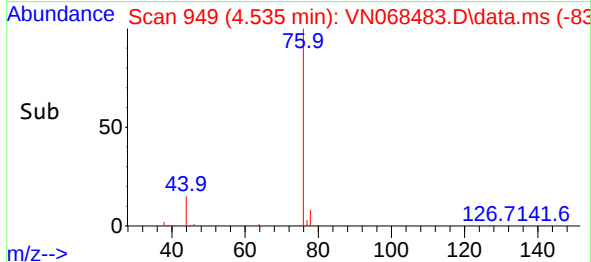
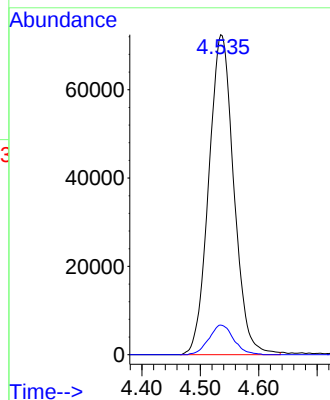
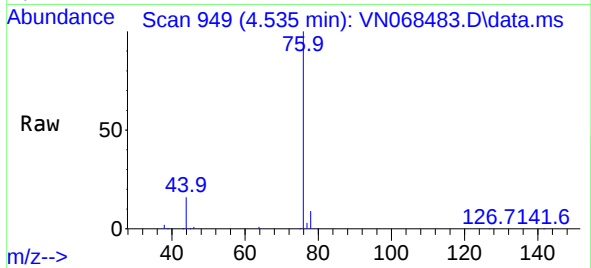
#17  
Carbon Disulfide  
Concen: 17.627 ug/l  
RT: 4.535 min Scan# 949  
Delta R.T. -0.005 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 76 Resp: 215904  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.4 11.2

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01

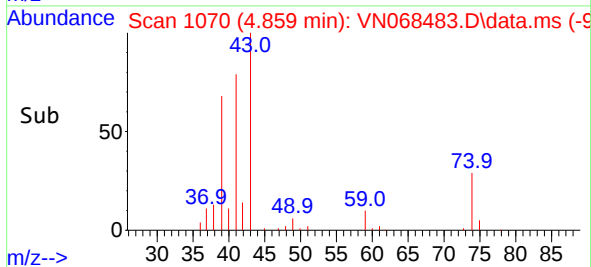
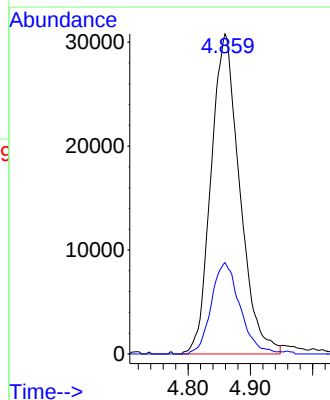
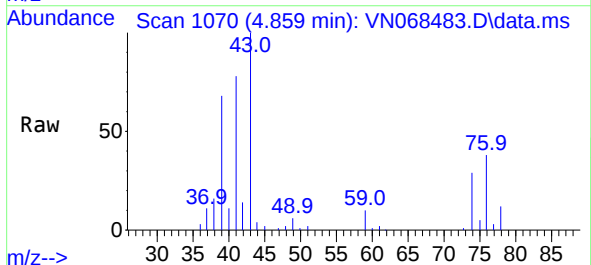
Manual Integrations  
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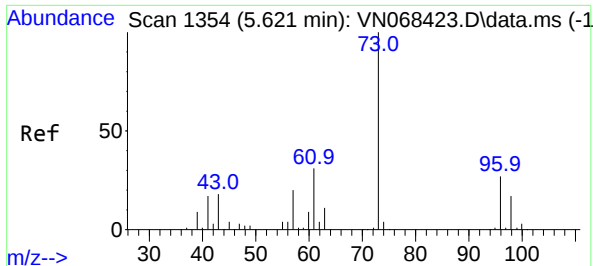
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#18  
Methyl Acetate  
Concen: 20.229 ug/l  
RT: 4.859 min Scan# 1070  
Delta R.T. 0.003 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 43 Resp: 98515  
Ion Ratio Lower Upper  
43 100  
74 28.3 23.5 35.3





#19

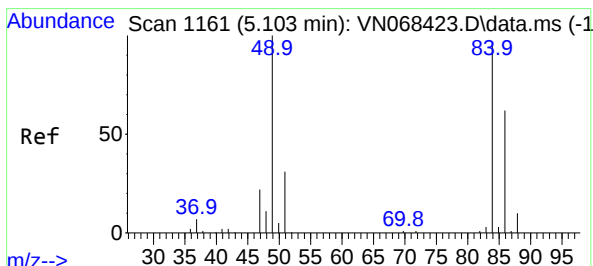
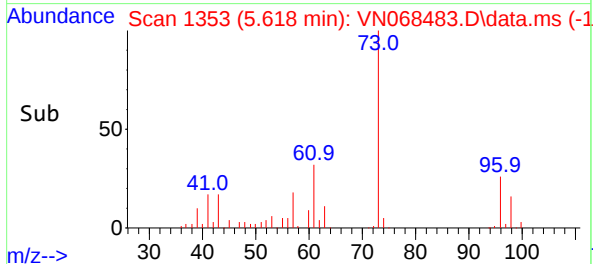
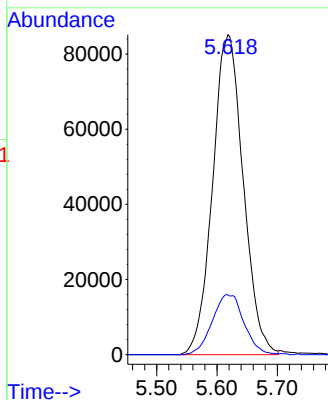
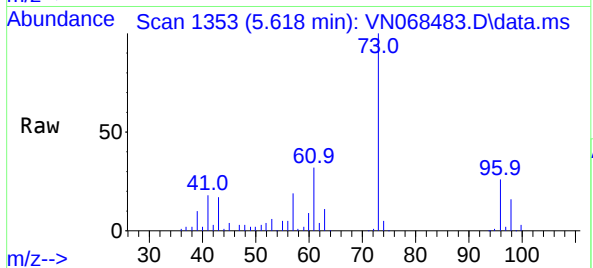
Methyl tert-butyl Ether  
Concen: 19.643 ug/l  
RT: 5.618 min Scan# 1353  
Delta R.T. -0.003 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 73 Resp: 300224  
Ion Ratio Lower Upper  
73 100  
57 18.6 15.9 23.9

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01

Manual Integrations  
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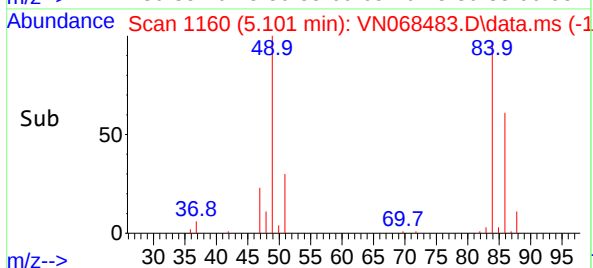
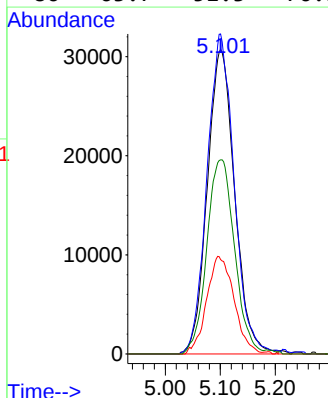
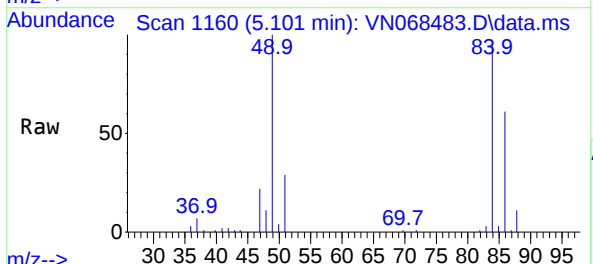
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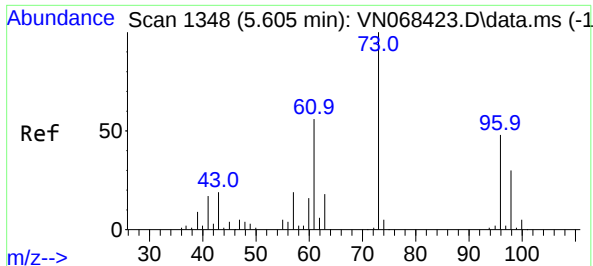


#20

Methylene Chloride  
Concen: 20.523 ug/l  
RT: 5.101 min Scan# 1160  
Delta R.T. -0.002 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 84 Resp: 106021  
Ion Ratio Lower Upper  
84 100  
49 105.0 83.0 124.6  
51 31.0 25.4 38.0  
86 63.7 51.3 76.9





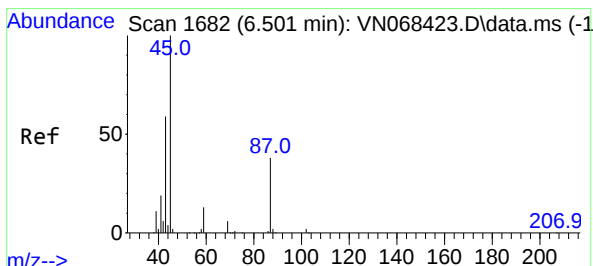
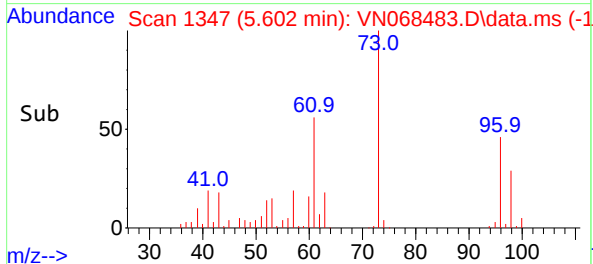
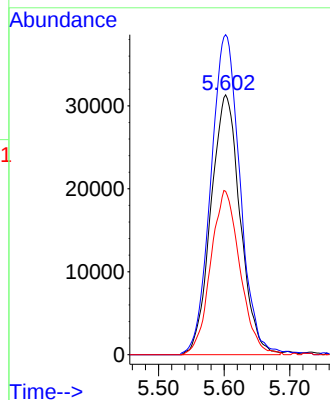
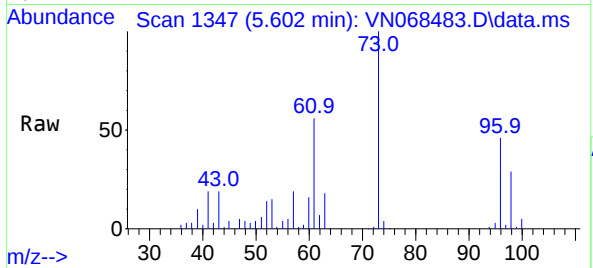
#21  
trans-1,2-Dichloroethene  
Concen: 18.633 ug/l  
RT: 5.602 min Scan# 1347  
Delta R.T. -0.003 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 97034 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 123.2 | 94.6  | 142.0 |
| 98       | 62.9  | 50.2  | 75.4  |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01

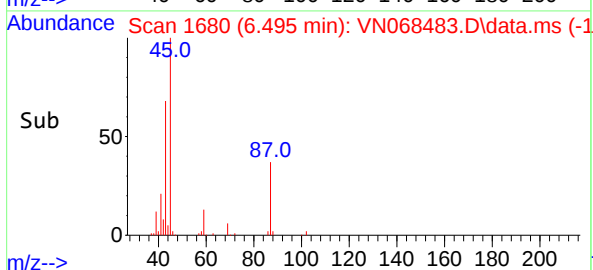
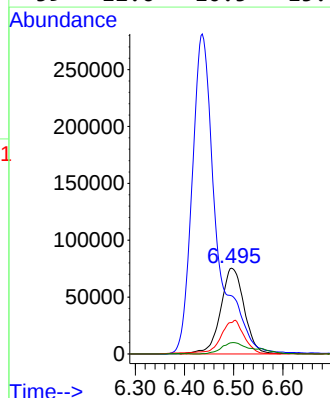
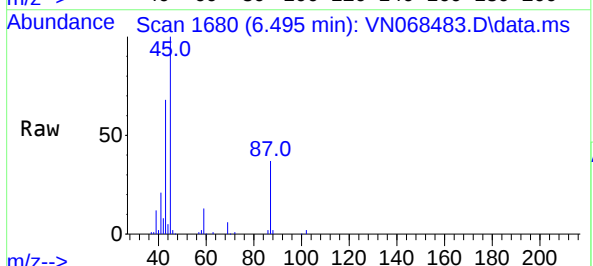
Manual Integrations  
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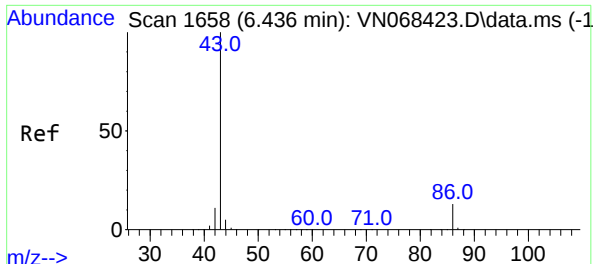
MMDadoda  
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#22  
Diisopropyl ether  
Concen: 20.060 ug/l  
RT: 6.495 min Scan# 1680  
Delta R.T. -0.005 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 251672 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 65.6  | 47.1  | 70.7   |
| 87       | 36.6  | 30.9  | 46.3   |
| 59       | 12.6  | 10.5  | 15.7   |





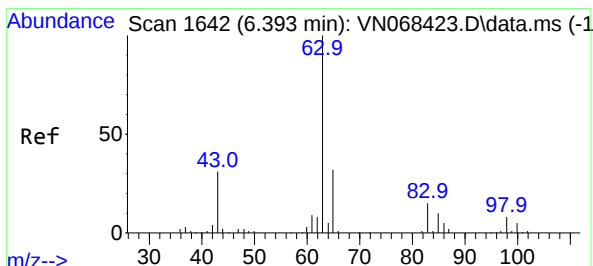
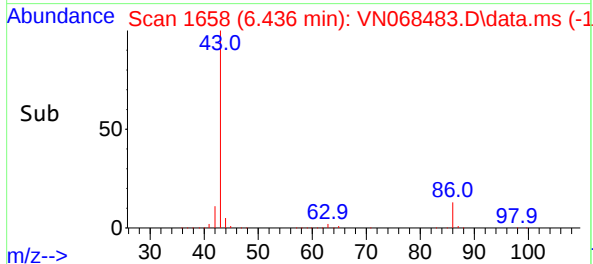
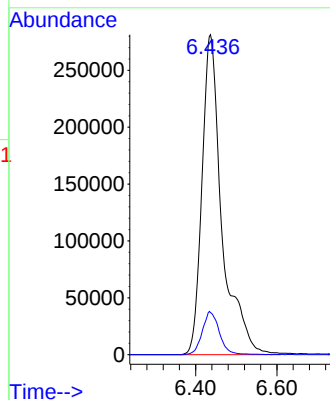
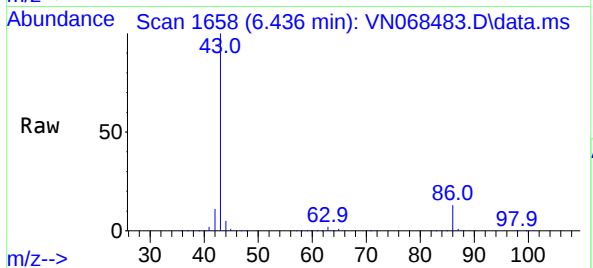
#23  
 Vinyl Acetate  
 Concen: 102.544 ug/l  
 RT: 6.436 min Scan# 1658  
 Delta R.T. 0.000 min  
 Lab File: VN068483.D  
 Acq: 15 Sep 2021 14:53

Tgt Ion: 43 Resp: 961487  
 Ion Ratio Lower Upper  
 43 100  
 86 13.2 10.7 16.1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0915WBSD01

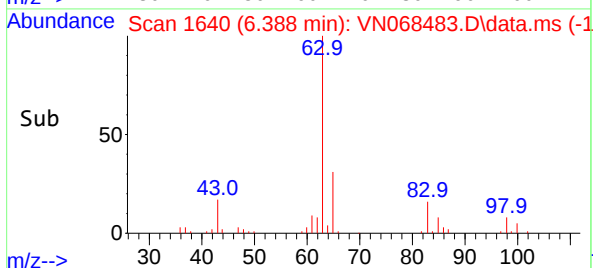
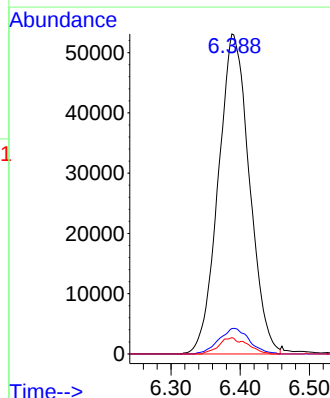
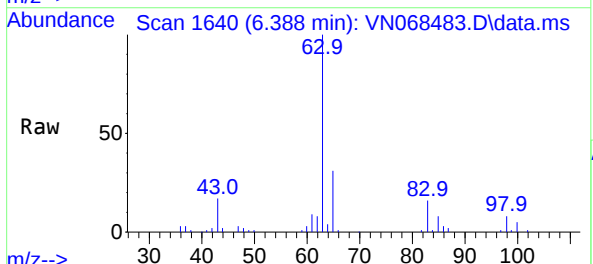
Manual Integrations  
 APPROVED

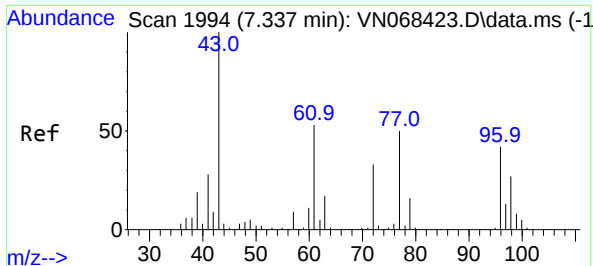
MMDadoda  
 9/16/2021 7:24:22 PM



#24  
 1,1-Dichloroethane  
 Concen: 19.474 ug/l  
 RT: 6.388 min Scan# 1640  
 Delta R.T. -0.005 min  
 Lab File: VN068483.D  
 Acq: 15 Sep 2021 14:53

Tgt Ion: 63 Resp: 165542  
 Ion Ratio Lower Upper  
 63 100  
 98 7.9 3.9 11.5  
 100 5.1 2.4 7.2





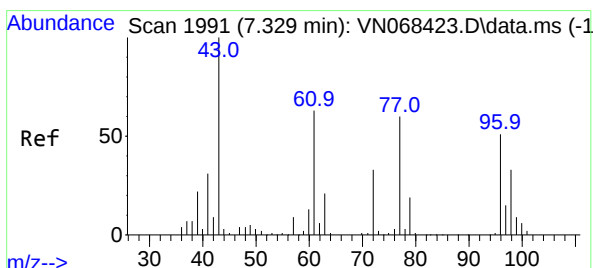
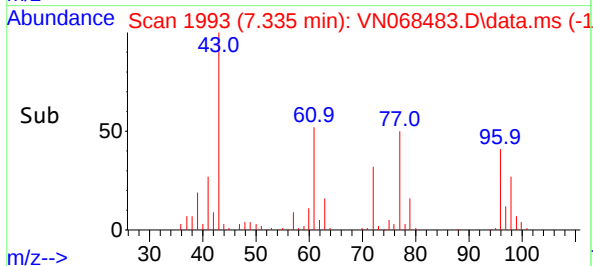
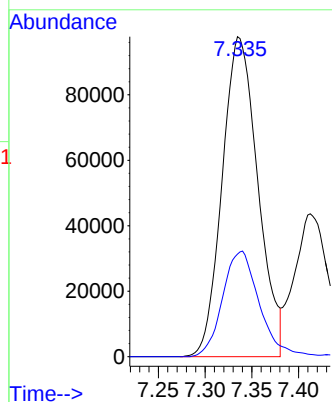
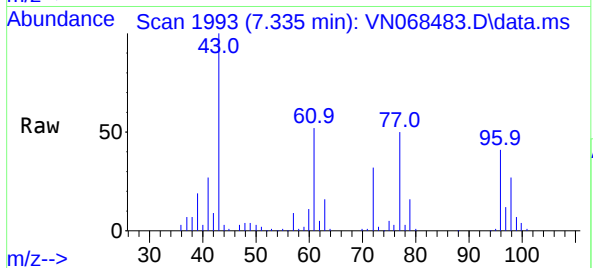
#25  
2-Butanone  
Concen: 100.308 ug/l  
RT: 7.335 min Scan# 1993  
Delta R.T. -0.003 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 43 Resp: 259594  
Ion Ratio Lower Upper  
43 100  
72 32.0 26.7 40.1

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0915WBSD01

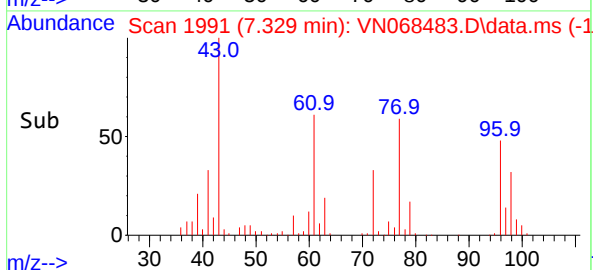
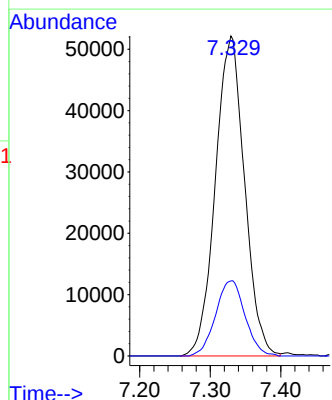
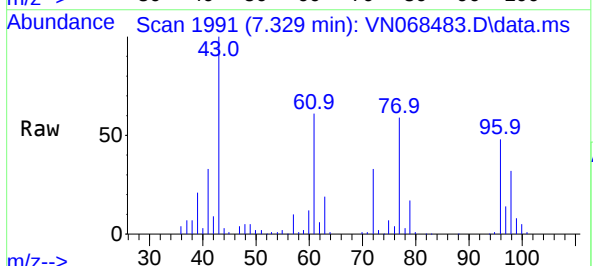
Manual Integrations  
APPROVED

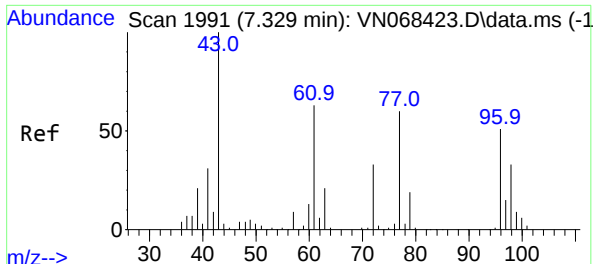
MMDadoda  
9/16/2021 7:24:22 PM



#26  
2,2-Dichloropropane  
Concen: 19.077 ug/l  
RT: 7.329 min Scan# 1991  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 77 Resp: 149719  
Ion Ratio Lower Upper  
77 100  
97 23.8 12.4 37.2





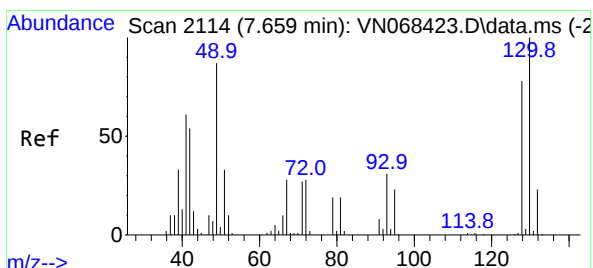
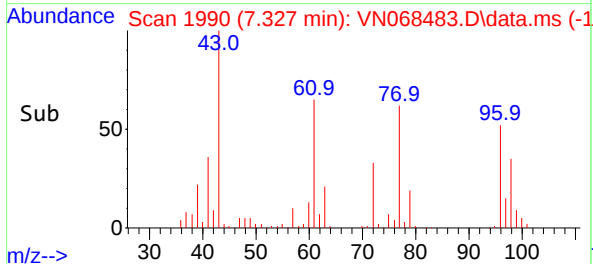
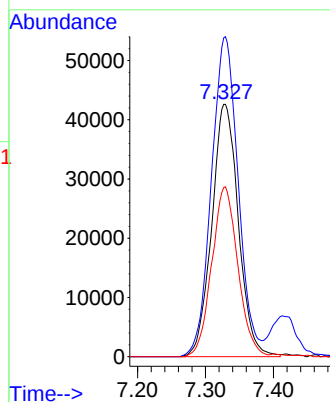
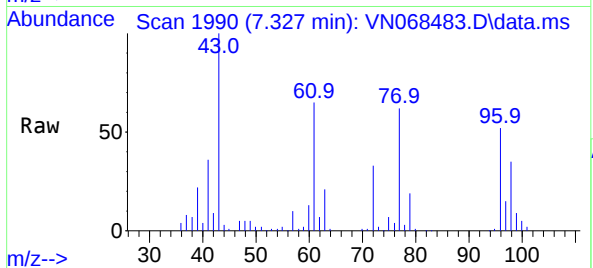
#27  
cis-1,2-Dichloroethene  
Concen: 18.971 ug/l  
RT: 7.327 min Scan# 1990  
Delta R.T. -0.003 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 96 Resp: 116038  
Ion Ratio Lower Upper  
96 100  
61 127.2 0.0 246.4  
98 66.0 0.0 130.4

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01

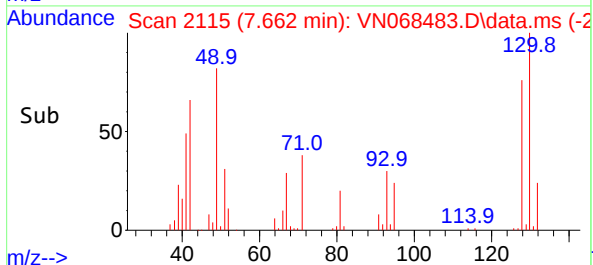
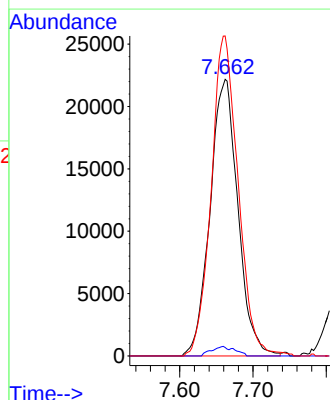
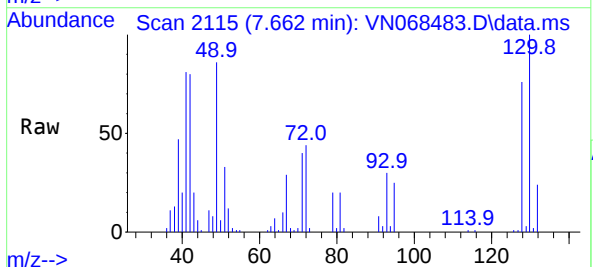
Manual Integrations  
APPROVED

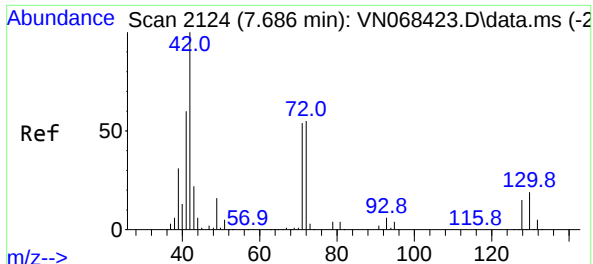
MMDadoda  
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#28  
Bromochloromethane  
Concen: 17.694 ug/l  
RT: 7.662 min Scan# 2115  
Delta R.T. 0.003 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 49 Resp: 58531  
Ion Ratio Lower Upper  
49 100  
129 2.0 0.0 6.0  
130 112.0 92.5 138.7





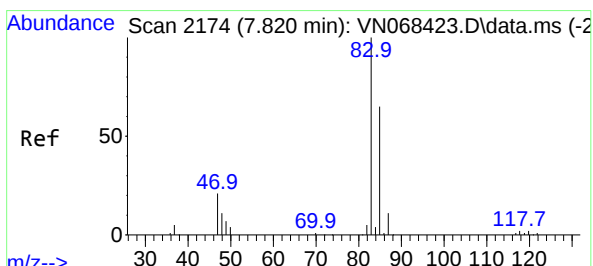
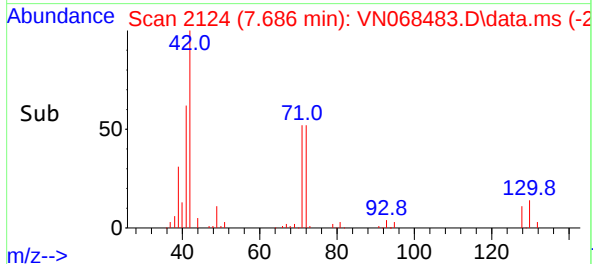
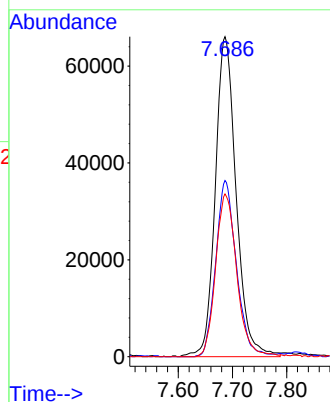
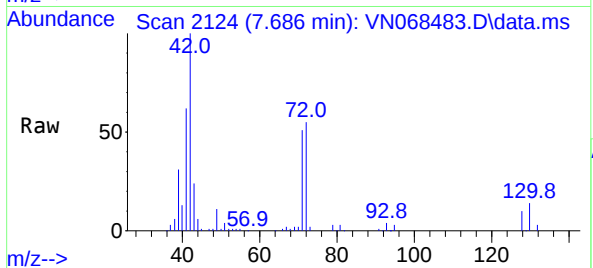
#29  
Tetrahydrofuran  
Concen: 104.547 ug/l  
RT: 7.686 min Scan# 2124  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 42    | Resp: | 176632 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 72       | 54.4  | 44.4  | 66.6   |
| 71       | 51.8  | 42.3  | 63.5   |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01

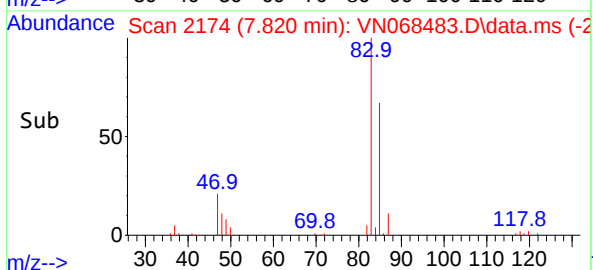
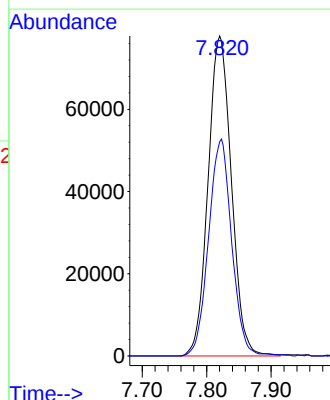
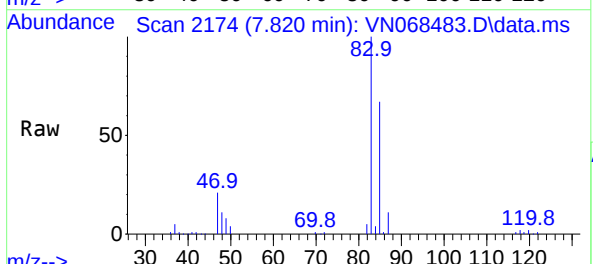
Manual Integrations  
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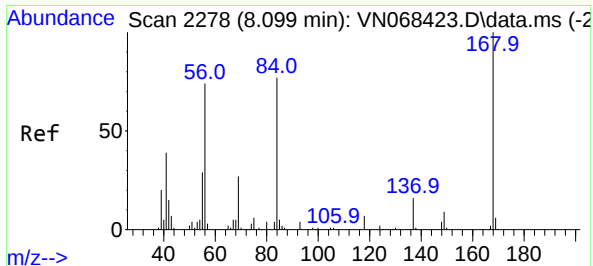
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#30  
Chloroform  
Concen: 19.471 ug/l  
RT: 7.820 min Scan# 2174  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 195819 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 66.9  | 52.2  | 78.4   |





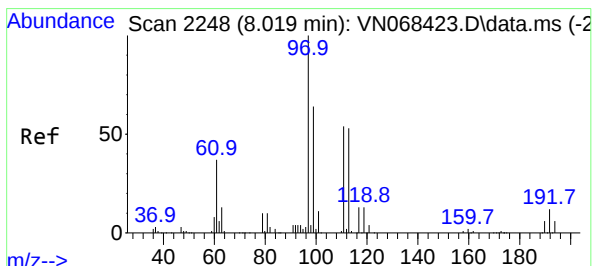
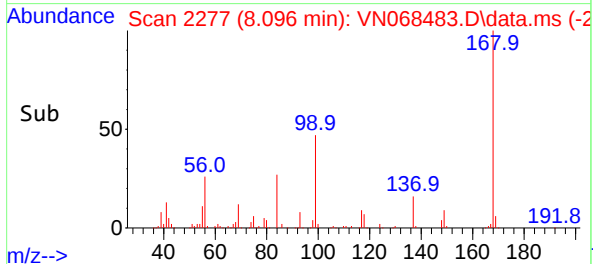
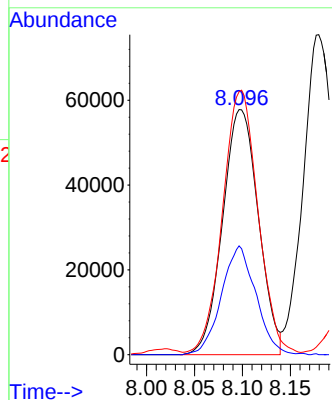
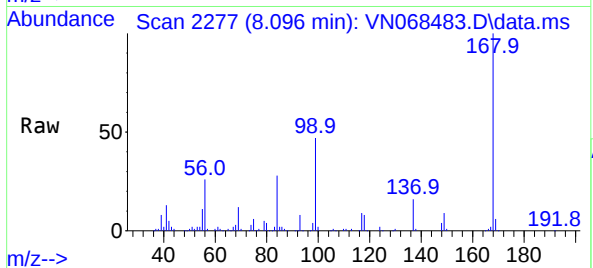
#31  
Cyclohexane  
Concen: 18.633 ug/l  
RT: 8.096 min Scan# 2277  
Delta R.T. -0.003 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 56 Resp: 150381  
Ion Ratio Lower Upper  
56 100  
69 44.4 29.4 44.0#  
84 106.0 83.6 125.4

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01

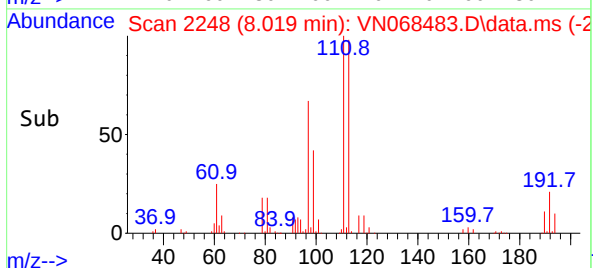
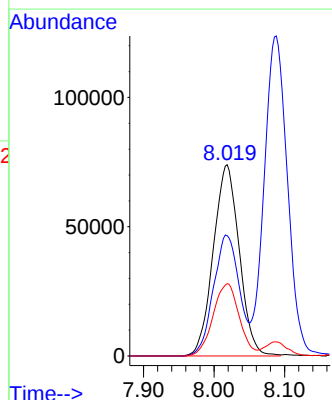
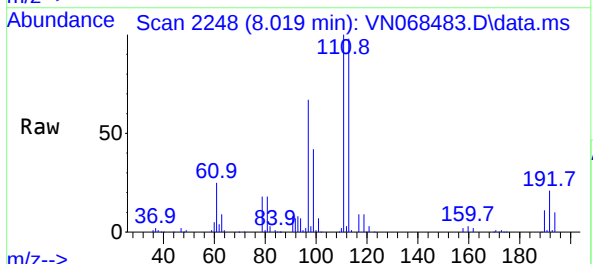
Manual Integrations  
APPROVED

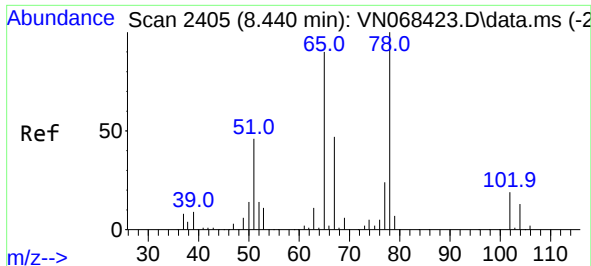
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#32  
1,1,1-Trichloroethane  
Concen: 20.321 ug/l  
RT: 8.019 min Scan# 2248  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

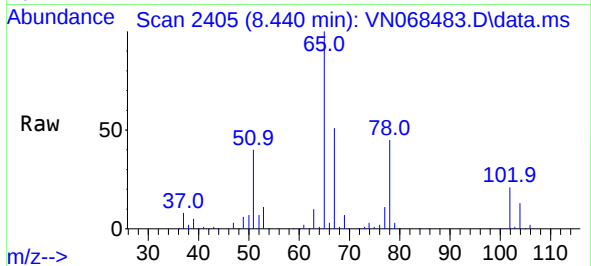
Tgt Ion: 97 Resp: 189592  
Ion Ratio Lower Upper  
97 100  
99 63.0 51.4 77.0  
61 38.1 30.3 45.5





#33  
1,2-Dichloroethane-d4  
Concen: 57.189 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

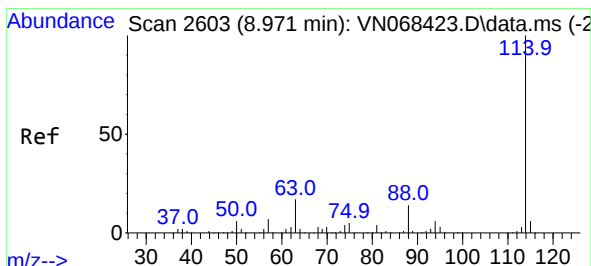
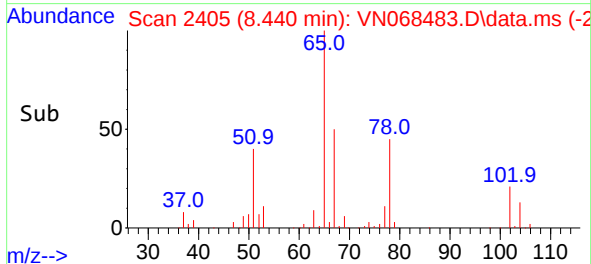
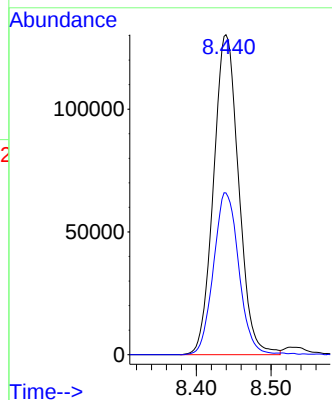
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01



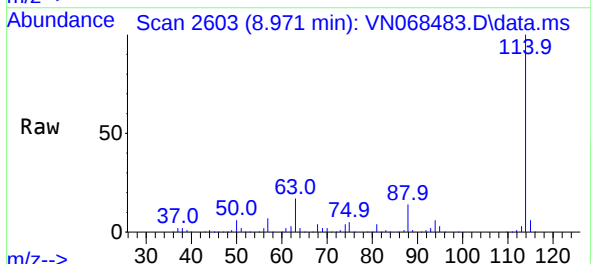
Tgt Ion: 65 Resp: 304576  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 104.0

Manual Integrations  
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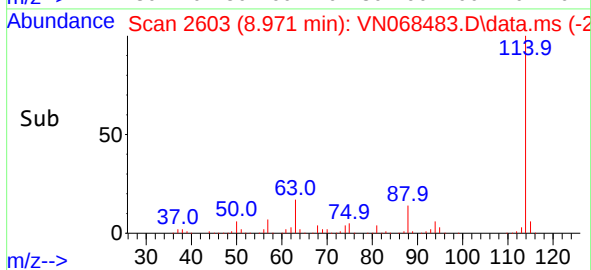
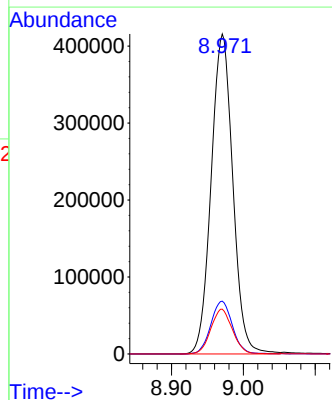
MMDadoda  
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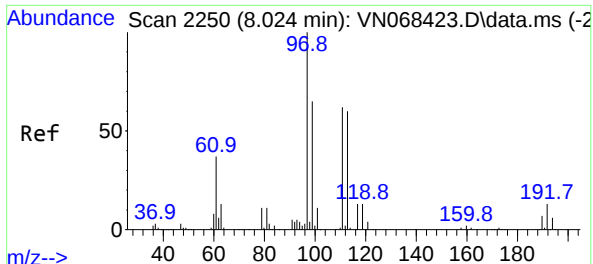


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.971 min Scan# 2603  
Delta R.T. -0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

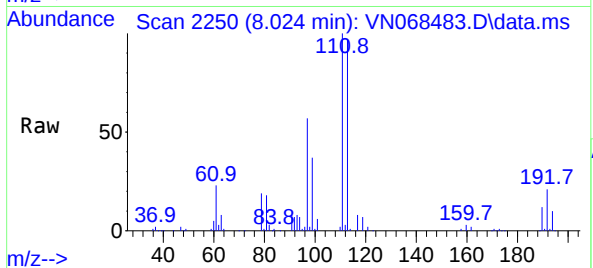


Tgt Ion: 114 Resp: 868040  
Ion Ratio Lower Upper  
114 100  
63 16.5 0.0 33.2  
88 14.0 0.0 28.4

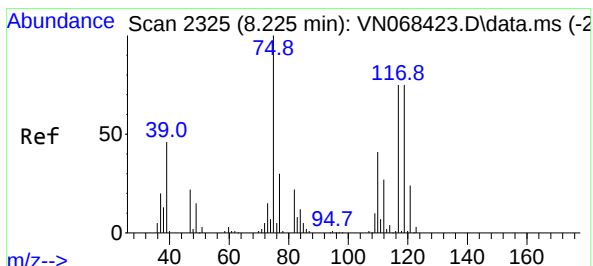
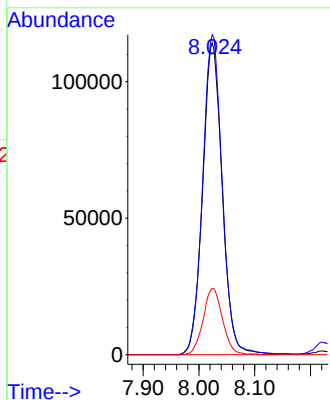
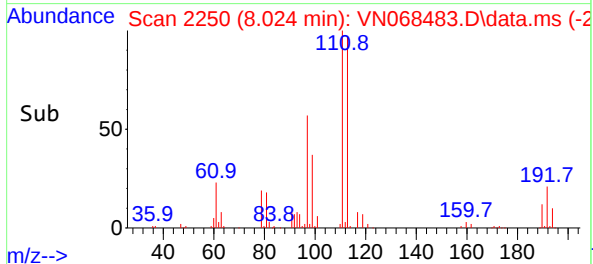




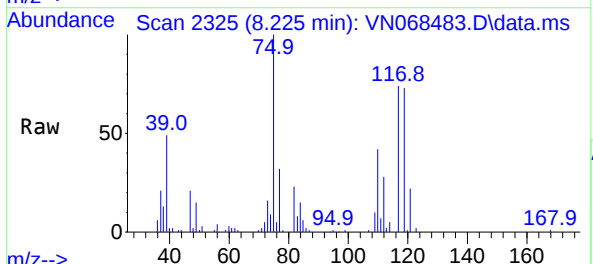
#35  
Dibromofluoromethane  
Concen: 53.192 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53



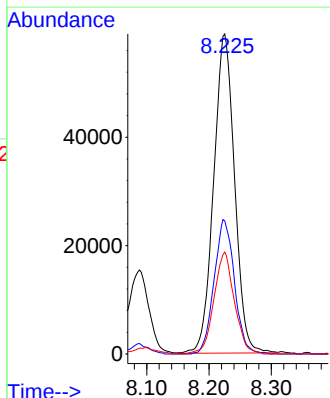
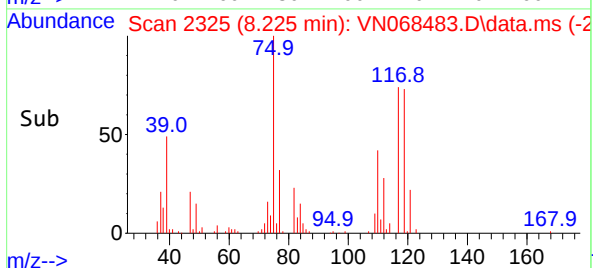
Tgt Ion: 113 Resp: 278480  
Ion Ratio Lower Upper  
113 100  
111 102.9 81.1 121.7  
192 21.0 17.7 26.5



#36  
1,1-Dichloropropene  
Concen: 18.989 ug/l  
RT: 8.225 min Scan# 2325  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53



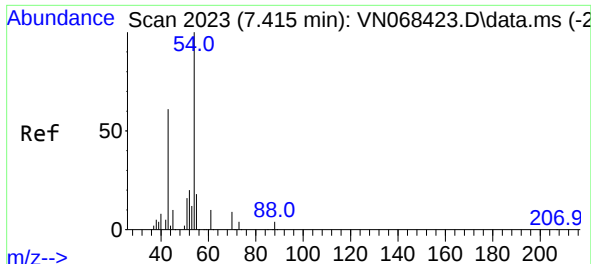
Tgt Ion: 75 Resp: 137421  
Ion Ratio Lower Upper  
75 100  
110 40.9 20.8 62.5  
77 31.1 25.0 37.6



Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01

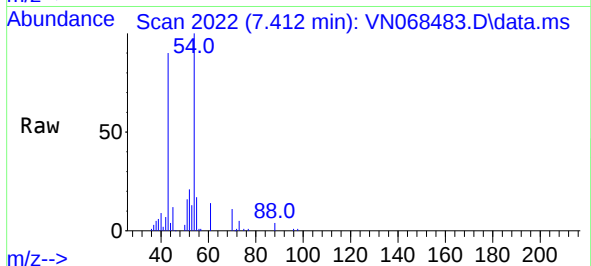
Manual Integrations  
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#37  
Ethyl Acetate  
Concen: 20.416 ug/l  
RT: 7.412 min Scan# 2022  
Delta R.T. -0.003 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

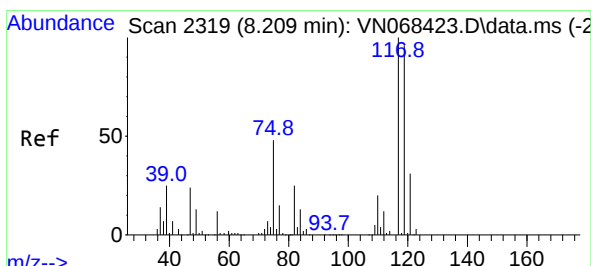
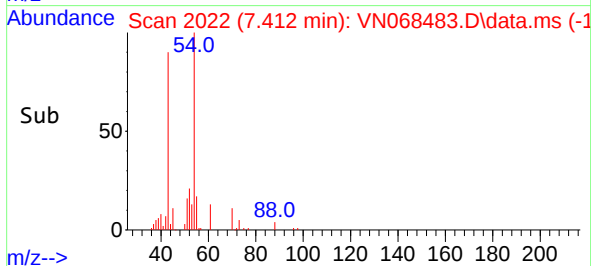
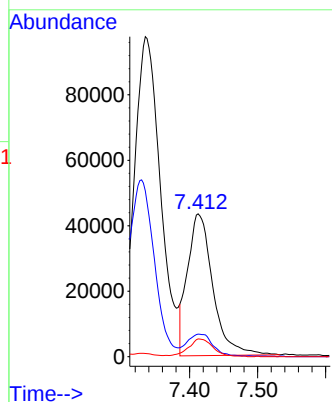
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01



Tgt Ion: 43 Resp: 112388  
Ion Ratio Lower Upper  
43 100  
61 15.5 12.4 18.6  
70 12.2 9.6 14.4

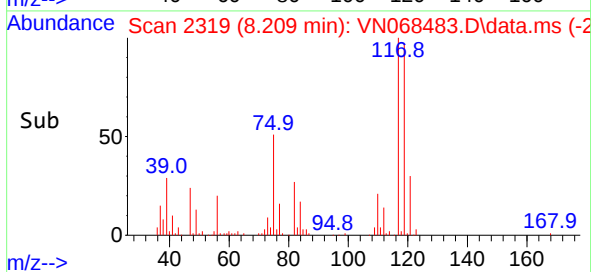
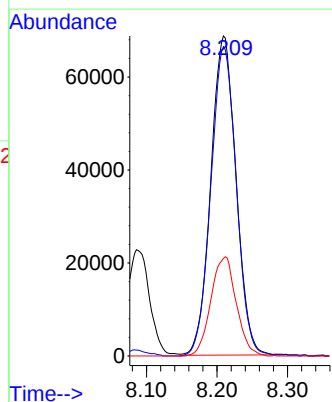
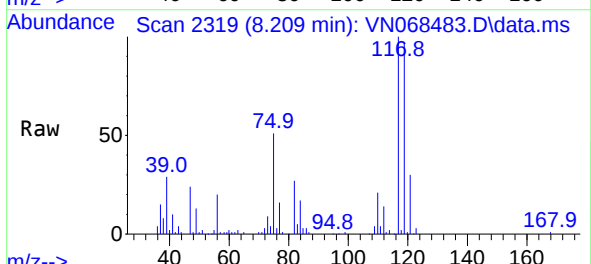
Manual Integrations  
APPROVED

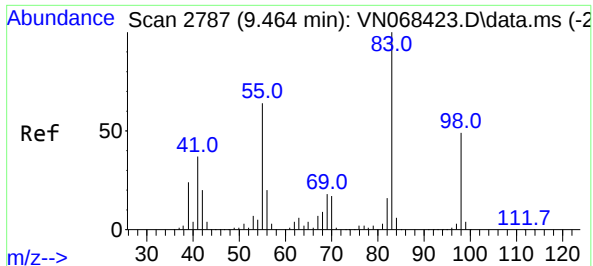
MMDadoda  
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#38  
Carbon Tetrachloride  
Concen: 19.692 ug/l  
RT: 8.209 min Scan# 2319  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 117 Resp: 170724  
Ion Ratio Lower Upper  
117 100  
119 97.0 76.6 114.8  
121 30.6 24.5 36.7





#39

Methylcyclohexane

Concen: 19.087 ug/l

RT: 9.461 min Scan# 2786

Delta R.T. -0.003 min

Lab File: VN068483.D

Acq: 15 Sep 2021 14:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 174755 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 55       | 64.5  | 51.0  | 76.4   |
| 98       | 48.0  | 39.5  | 59.3   |

Instrument :

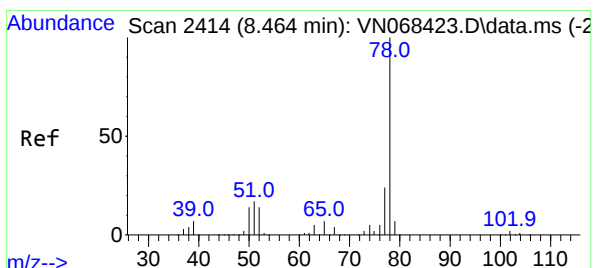
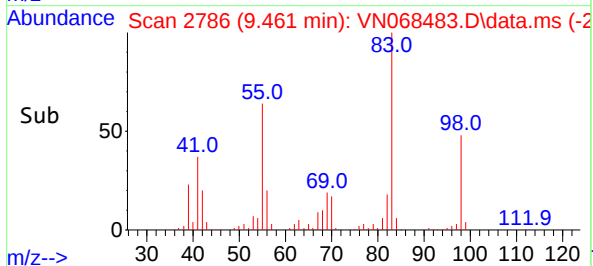
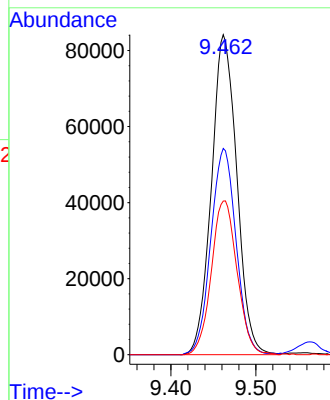
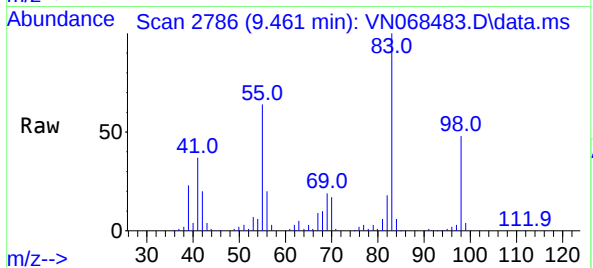
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ClientSampleId :

VN0915WBSD01

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#40

Benzene

Concen: 19.946 ug/l

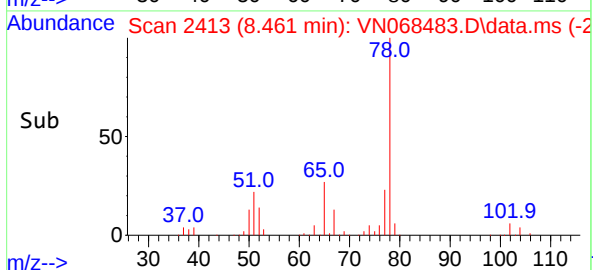
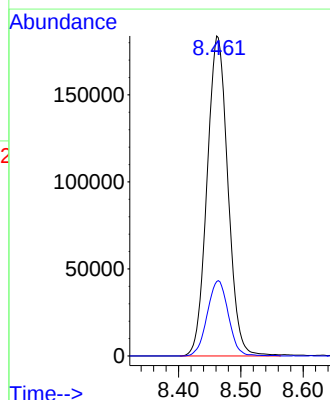
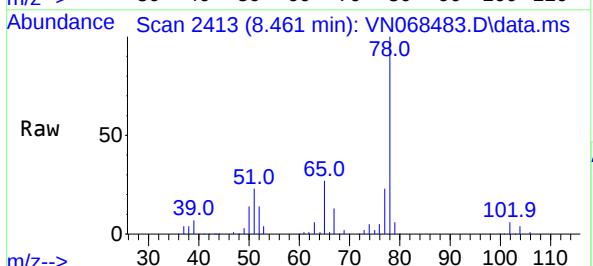
RT: 8.461 min Scan# 2413

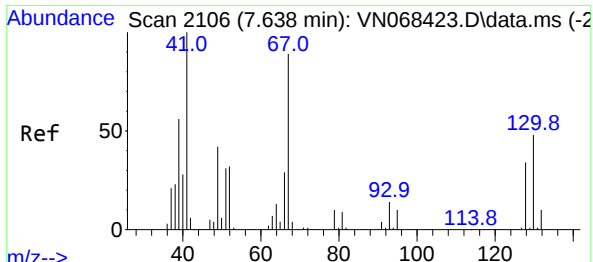
Delta R.T. -0.003 min

Lab File: VN068483.D

Acq: 15 Sep 2021 14:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 78    | Resp: | 427278 |
| Ion      | Ratio | Lower | Upper  |
| 78       | 100   |       |        |
| 77       | 23.3  | 19.3  | 28.9   |





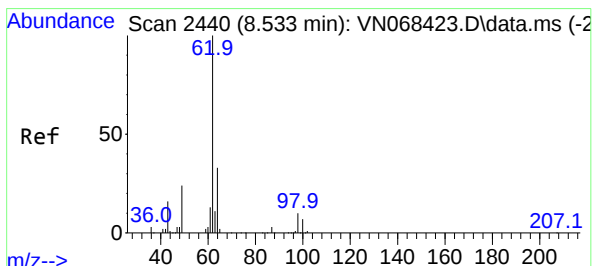
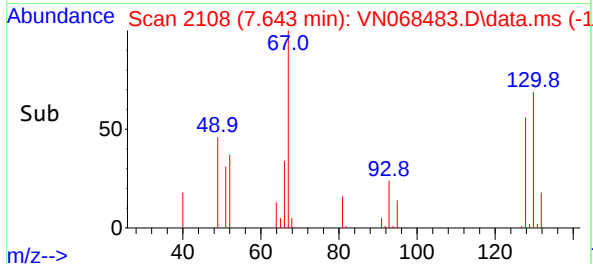
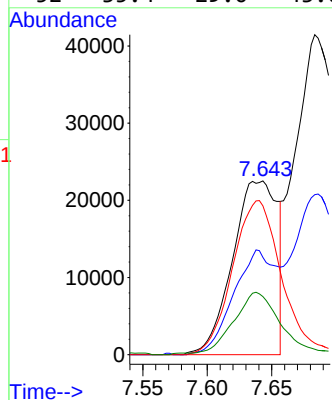
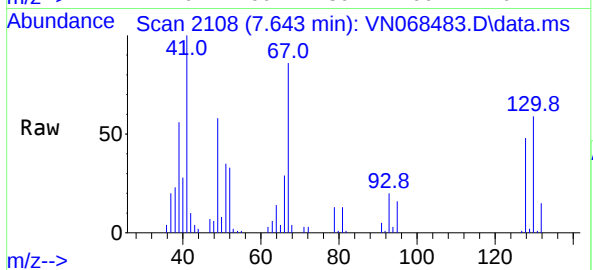
#41  
Methacrylonitrile  
Concen: 20.031 ug/l  
RT: 7.643 min Scan# 2108  
Delta R.T. 0.005 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 54264 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 57.3  | 45.4  | 68.2  |
| 67       | 98.2  | 78.7  | 118.1 |
| 52       | 35.4  | 29.0  | 43.6  |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01

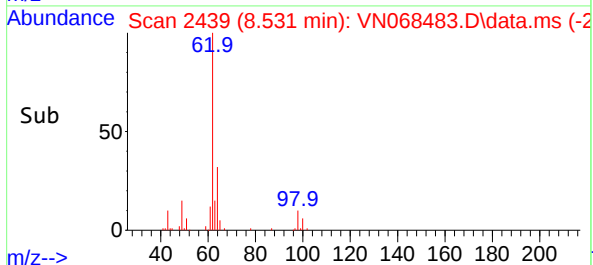
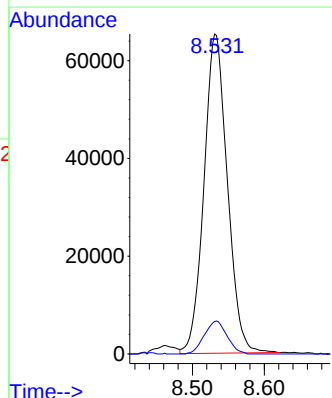
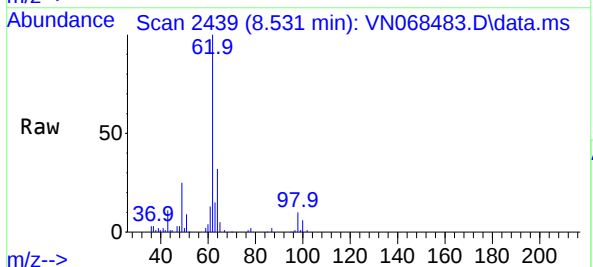
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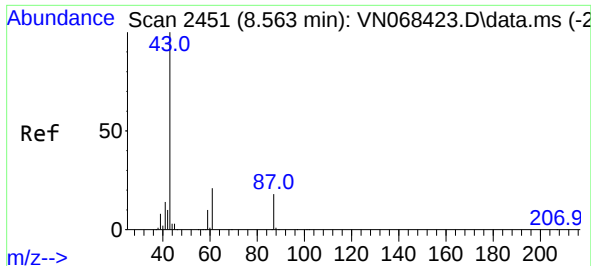
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#42  
1,2-Dichloroethane  
Concen: 19.916 ug/l  
RT: 8.531 min Scan# 2439  
Delta R.T. -0.003 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

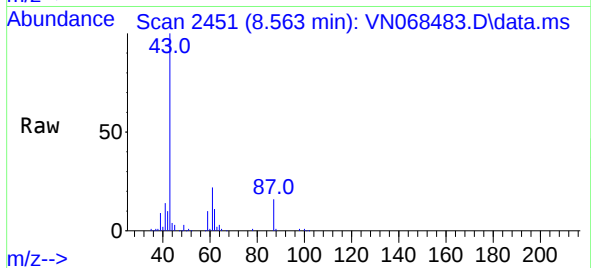
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 147823 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 10.0  | 0.0   | 20.2   |





#43  
Isopropyl Acetate  
Concen: 19.892 ug/l  
RT: 8.563 min Scan# 2451  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

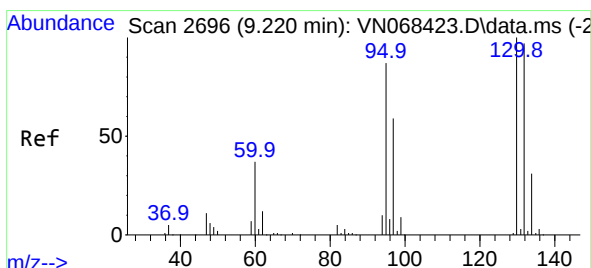
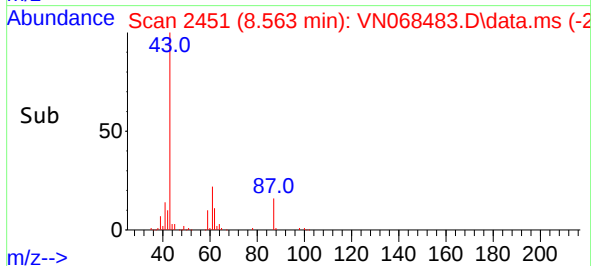
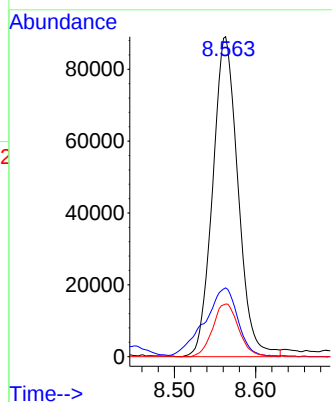
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01



Tgt Ion: 43 Resp: 193197  
Ion Ratio Lower Upper  
43 100  
61 27.8 23.3 34.9  
87 16.9 13.8 20.6

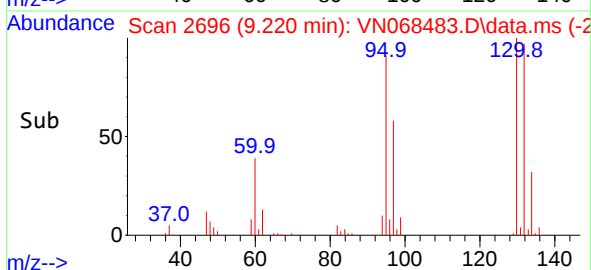
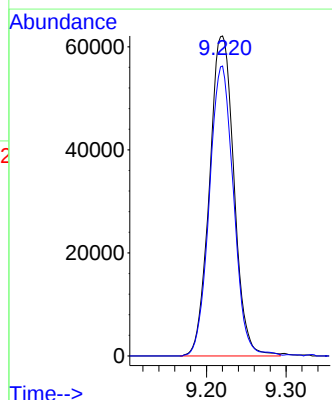
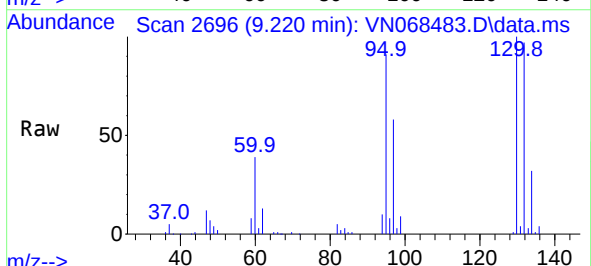
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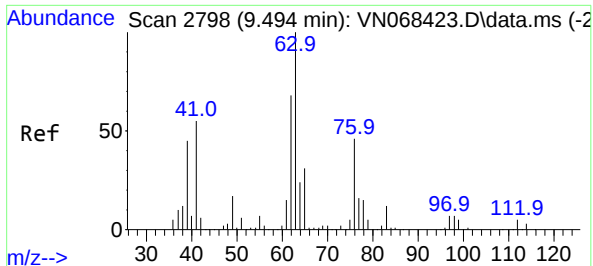
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#44  
Trichloroethene  
Concen: 19.613 ug/l  
RT: 9.220 min Scan# 2696  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 130 Resp: 133023  
Ion Ratio Lower Upper  
130 100  
95 90.6 0.0 173.8





#45

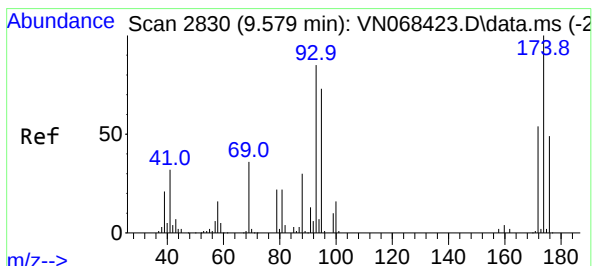
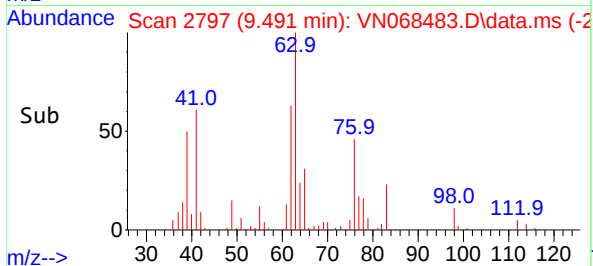
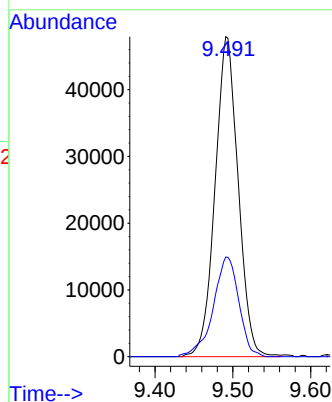
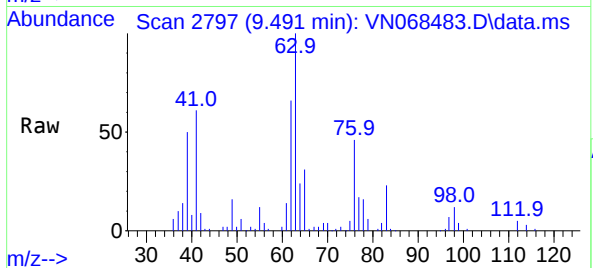
1,2-Dichloropropane  
Concen: 19.262 ug/l  
RT: 9.491 min Scan# 2797  
Delta R.T. -0.003 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 63 Resp: 98508  
Ion Ratio Lower Upper  
63 100  
65 31.1 24.8 37.2

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01

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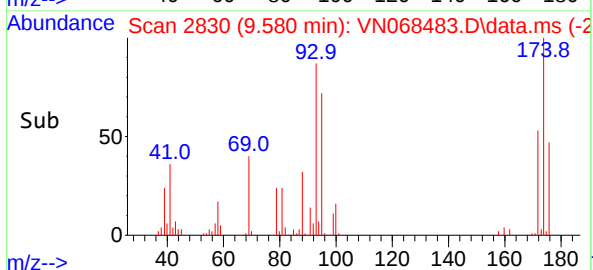
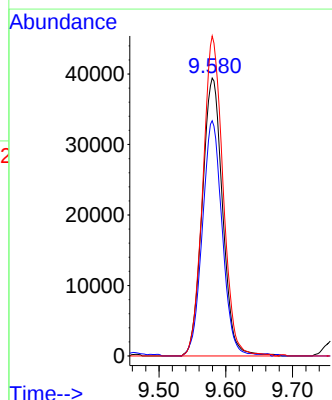
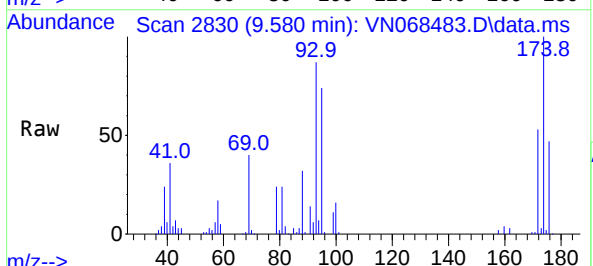
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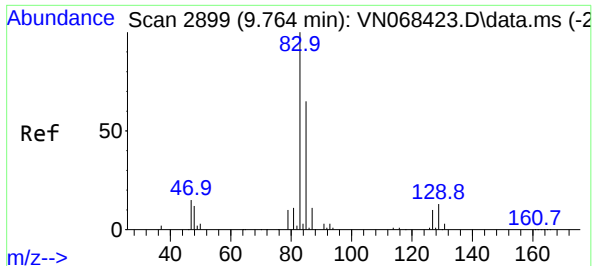


#46

Dibromomethane  
Concen: 20.330 ug/l  
RT: 9.580 min Scan# 2830  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

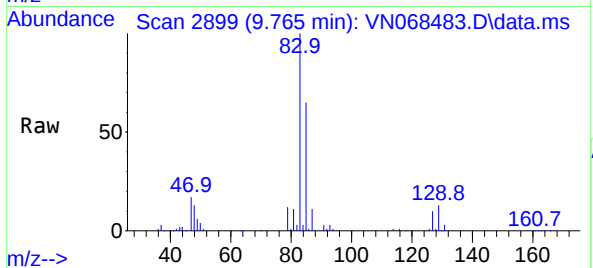
Tgt Ion: 93 Resp: 83692  
Ion Ratio Lower Upper  
93 100  
95 82.2 67.8 101.8  
174 113.6 96.3 144.5





#47  
Bromodichloromethane  
Concen: 19.707 ug/l  
RT: 9.765 min Scan# 2899  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

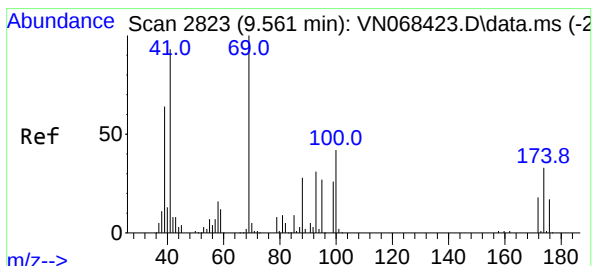
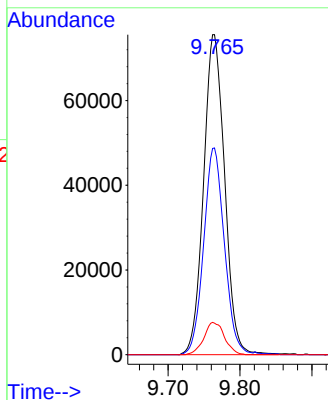
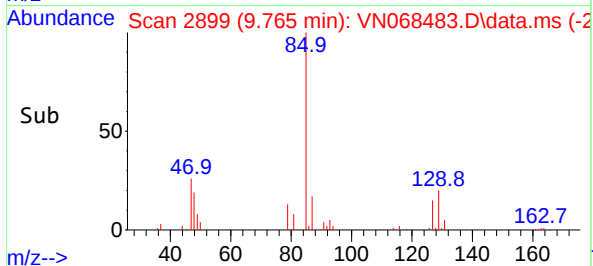
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01



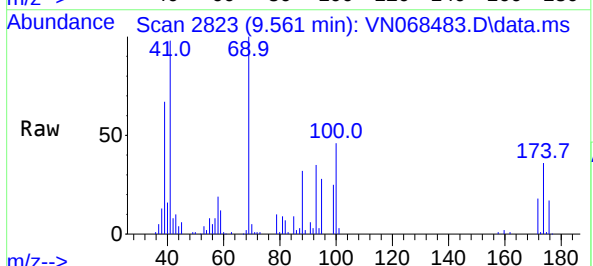
Tgt Ion: 83 Resp: 153943  
Ion Ratio Lower Upper  
83 100  
85 64.6 51.6 77.4  
127 9.9 8.1 12.1

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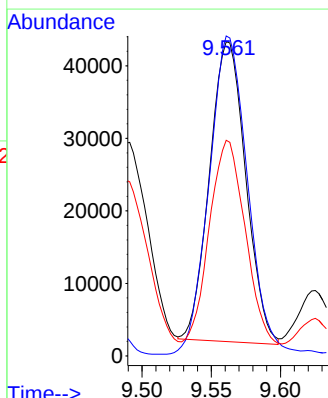
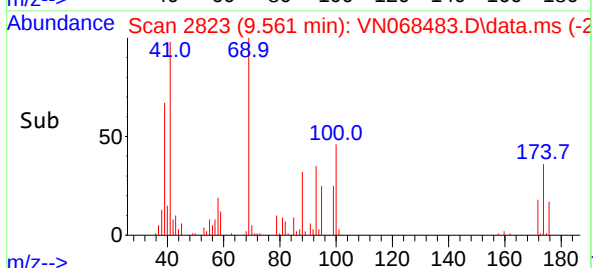
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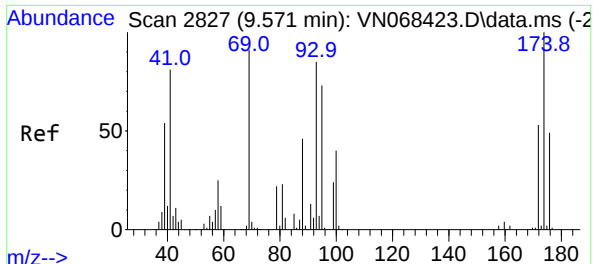


#48  
Methyl methacrylate  
Concen: 18.531 ug/l  
RT: 9.561 min Scan# 2823  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53



Tgt Ion: 41 Resp: 75157  
Ion Ratio Lower Upper  
41 100  
69 112.6 82.9 124.3  
39 75.2 50.3 75.5





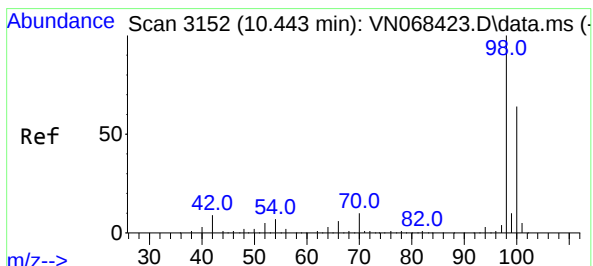
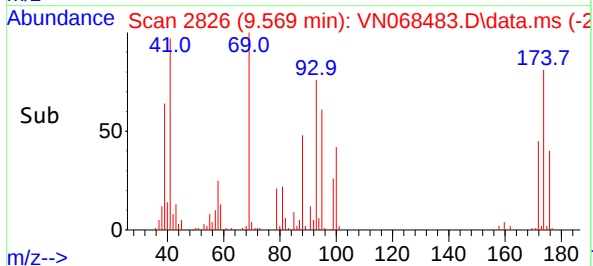
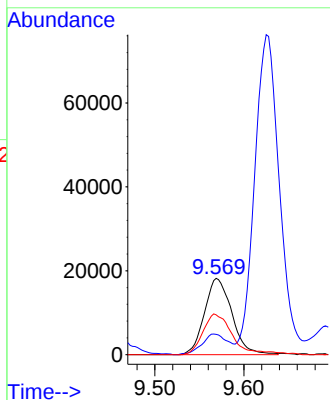
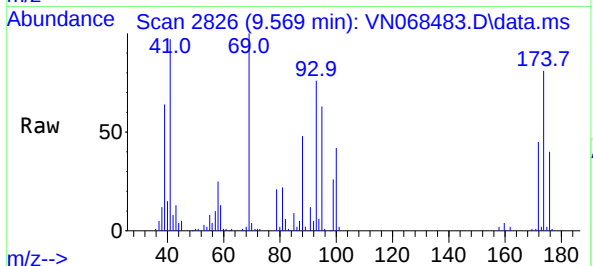
#49  
1,4-Dioxane  
Concen: 418.442 ug/l  
RT: 9.569 min Scan# 2826  
Delta R.T. -0.003 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 88 Resp: 38931  
Ion Ratio Lower Upper  
88 100  
43 26.0 18.9 28.3  
58 57.8 46.6 69.8

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01

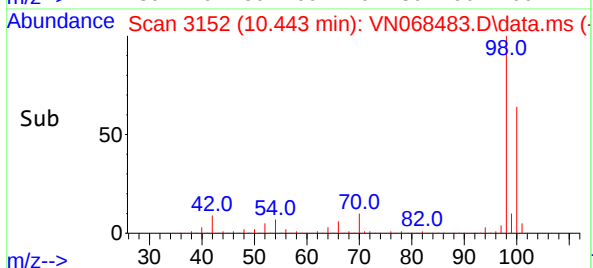
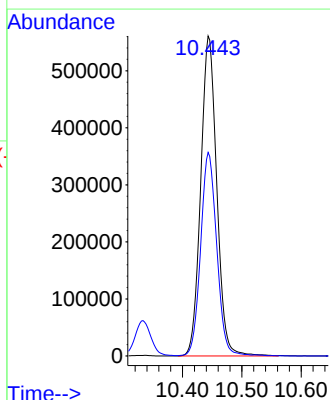
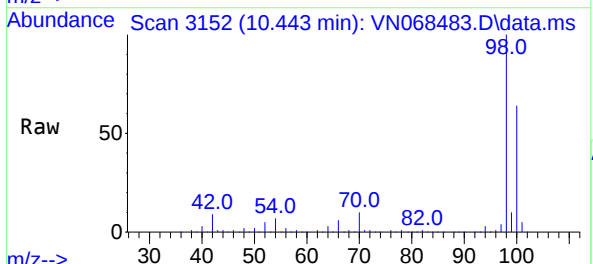
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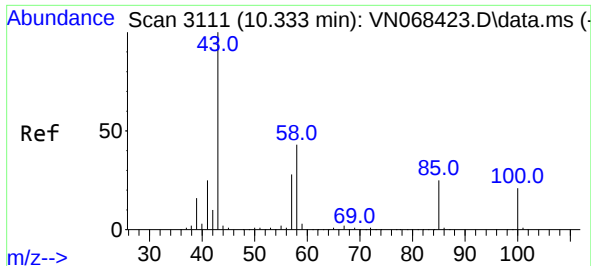
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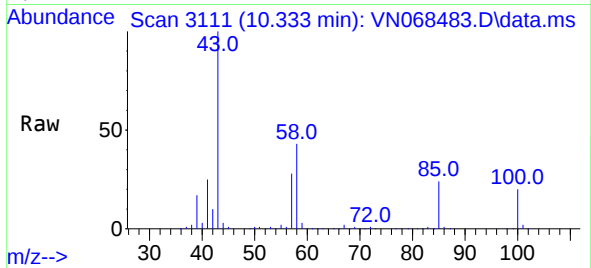
#50  
Toluene-d8  
Concen: 55.408 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 98 Resp: 1053709  
Ion Ratio Lower Upper  
98 100  
100 63.2 51.0 76.6

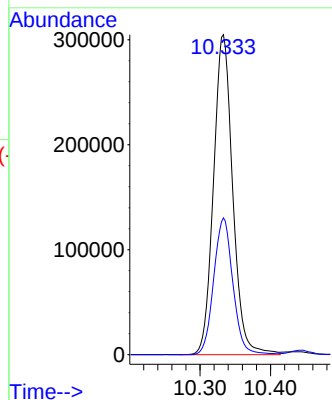
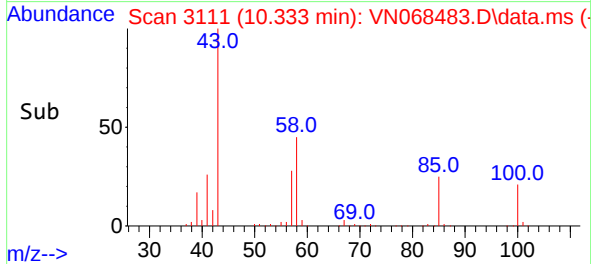




#51  
4-Methyl-2-Pentanone  
Concen: 104.142 ug/l  
RT: 10.333 min Scan# 3111  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53



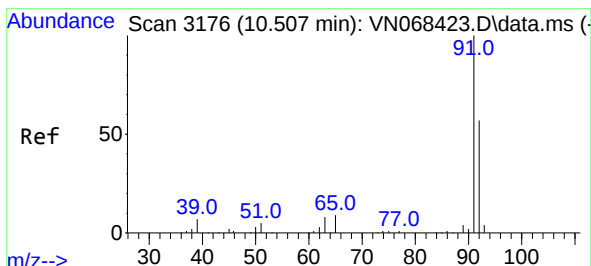
Tgt Ion: 43 Resp: 577395  
Ion Ratio Lower Upper  
43 100  
58 42.6 34.3 51.5



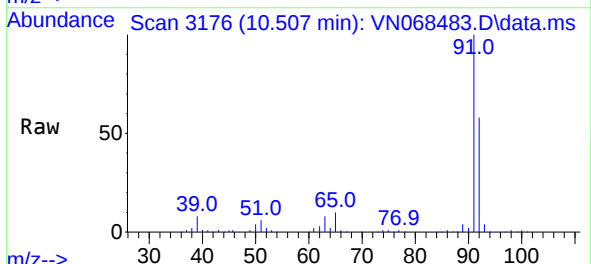
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01

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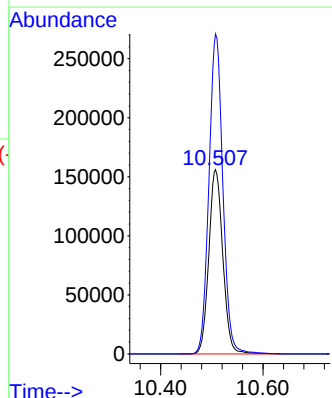
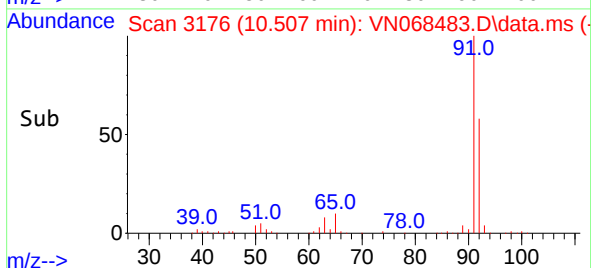
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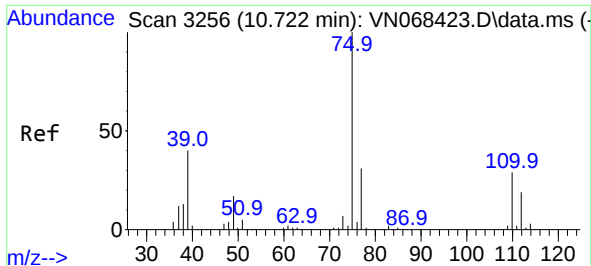


#52  
Toluene  
Concen: 20.883 ug/l  
RT: 10.507 min Scan# 3176  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53



Tgt Ion: 92 Resp: 296811  
Ion Ratio Lower Upper  
92 100  
91 172.4 139.4 209.0





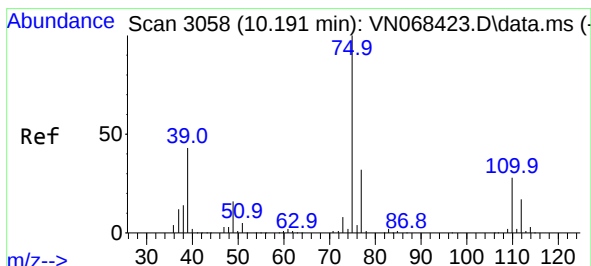
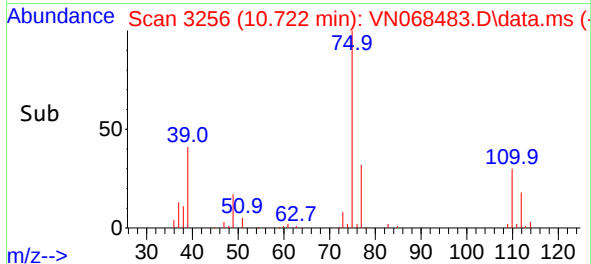
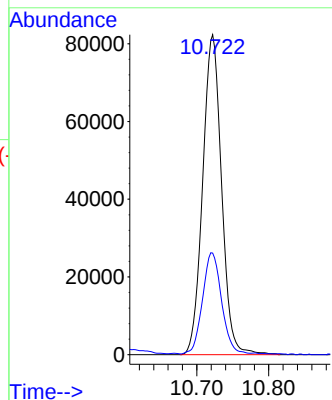
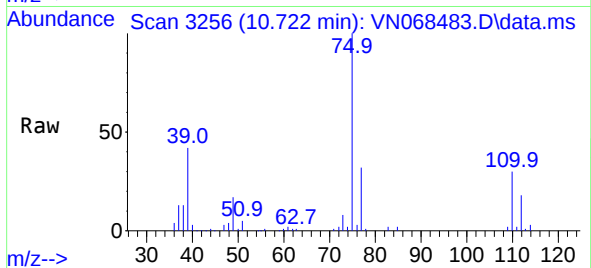
#53  
t-1,3-Dichloropropene  
Concen: 20.120 ug/l  
RT: 10.722 min Scan# 3256  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 75 Resp: 150573  
Ion Ratio Lower Upper  
75 100  
77 31.5 24.9 37.3

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01

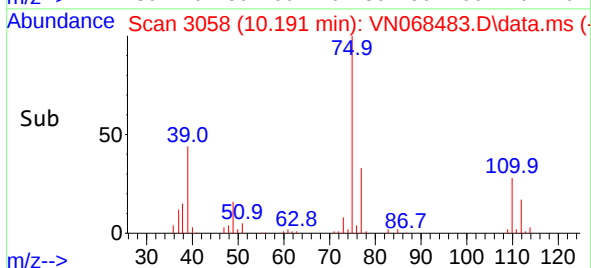
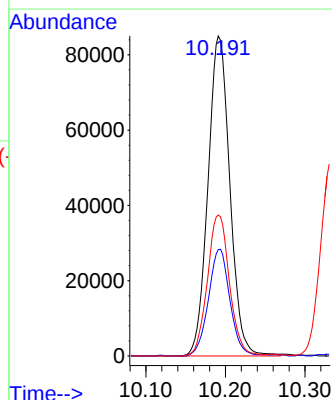
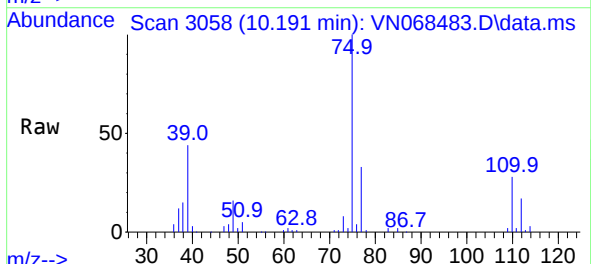
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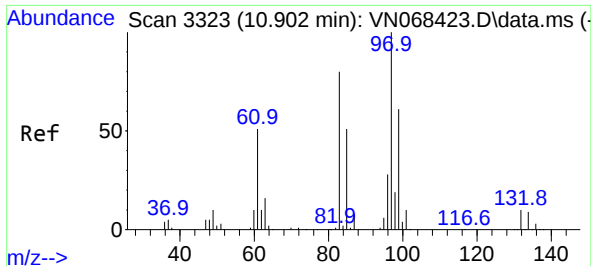
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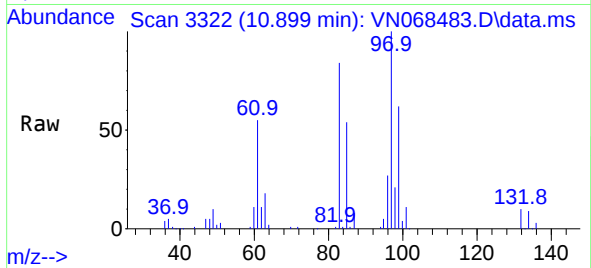
#54  
cis-1,3-Dichloropropene  
Concen: 19.848 ug/l  
RT: 10.191 min Scan# 3058  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 75 Resp: 162768  
Ion Ratio Lower Upper  
75 100  
77 33.2 25.3 37.9  
39 44.0 34.6 52.0



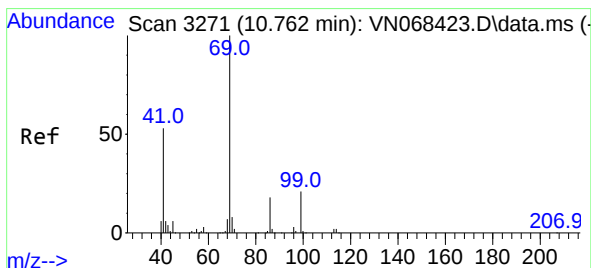
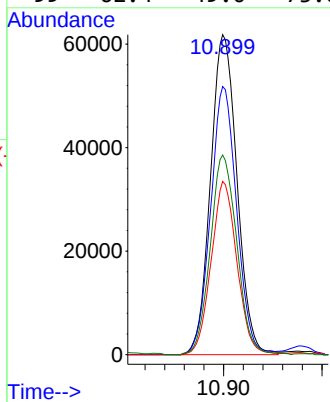
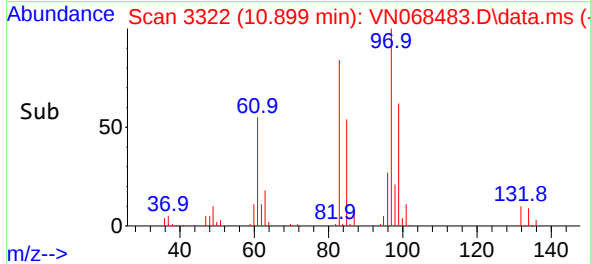


#55  
1,1,2-Trichloroethane  
Concen: 20.547 ug/l  
RT: 10.899 min Scan# 3322  
Delta R.T. -0.003 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

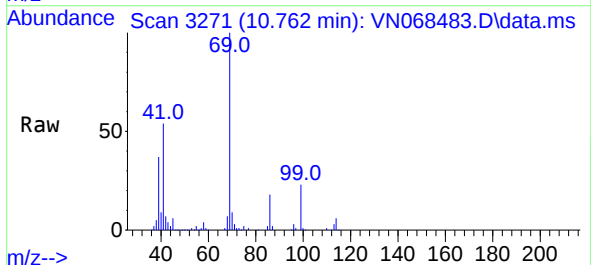


Tgt Ion: 97 Resp: 115894

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 83.8  | 63.7  | 95.5  |
| 85  | 54.1  | 40.7  | 61.1  |
| 99  | 62.4  | 49.0  | 73.6  |

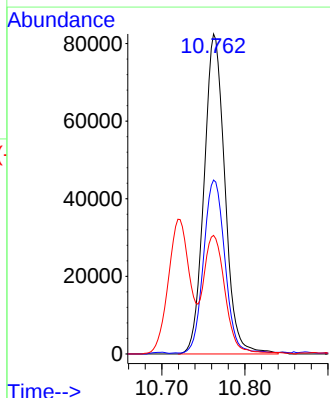
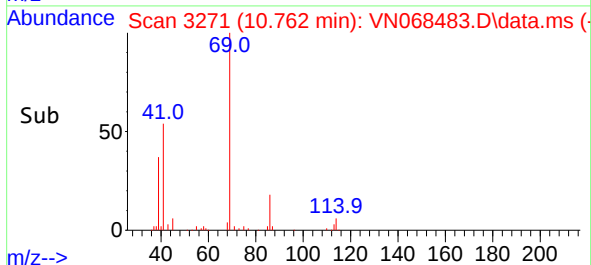


#56  
Ethyl methacrylate  
Concen: 20.495 ug/l  
RT: 10.762 min Scan# 3271  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53



Tgt Ion: 69 Resp: 143575

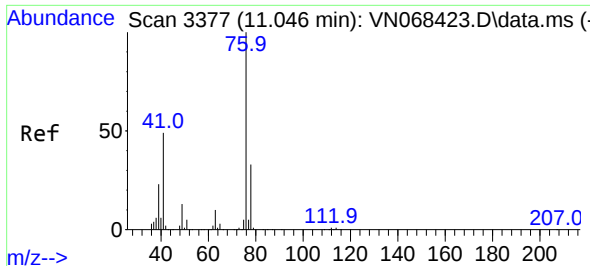
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 55.3  | 42.4  | 63.6  |
| 39  | 36.6  | 28.5  | 42.7  |



Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01

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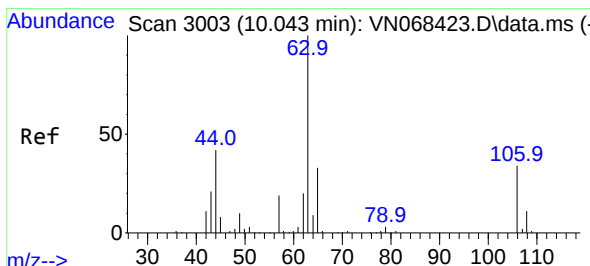
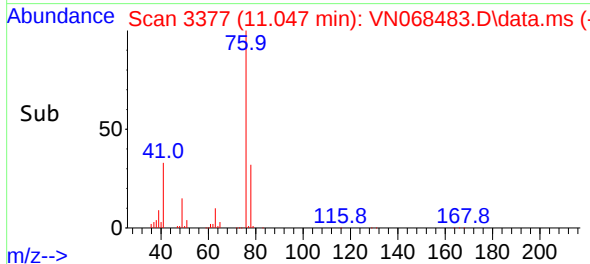
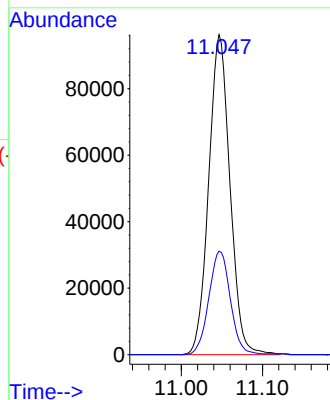
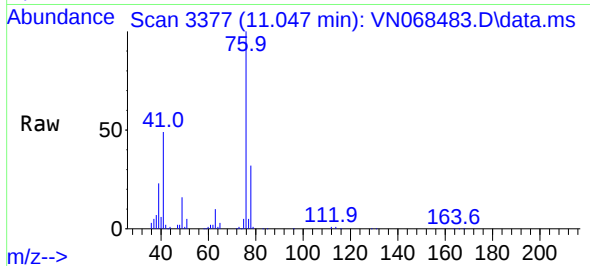
#57  
1,3-Dichloropropane  
Concen: 20.140 ug/l  
RT: 11.047 min Scan# 3377  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 76 Resp: 175068  
Ion Ratio Lower Upper  
76 100  
78 32.8 25.9 38.9

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01

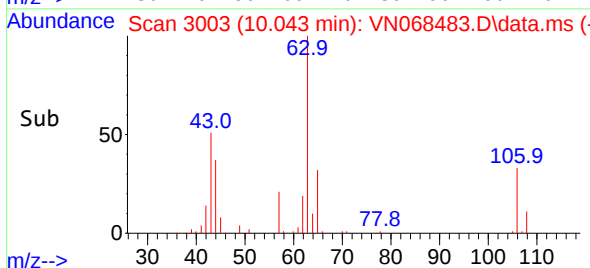
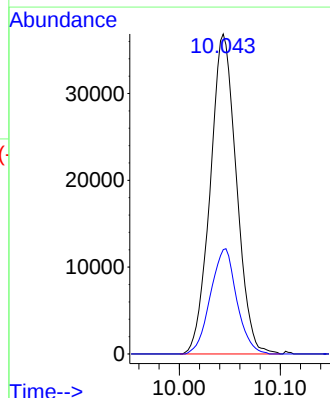
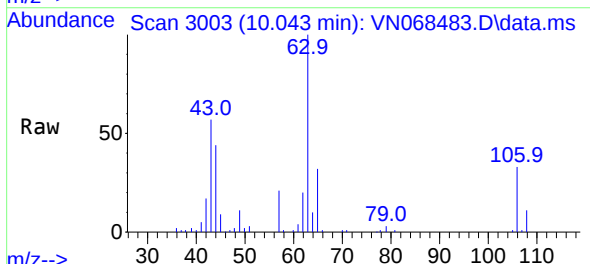
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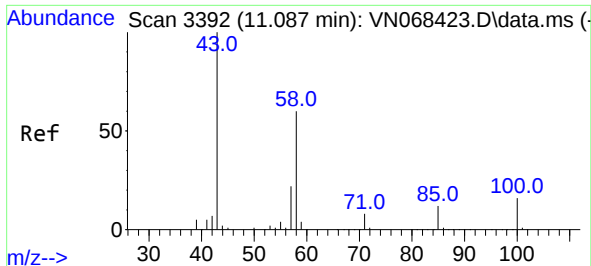
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#58  
2-Chloroethyl Vinyl ether  
Concen: 120.245 ug/l  
RT: 10.043 min Scan# 3003  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 63 Resp: 66290  
Ion Ratio Lower Upper  
63 100  
106 33.1 27.9 41.9





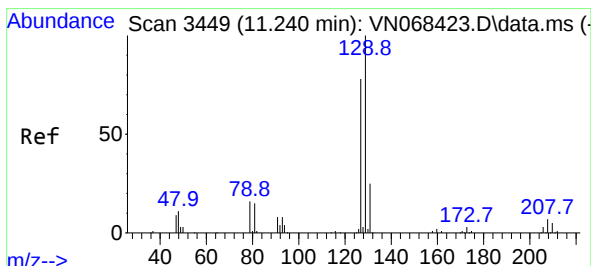
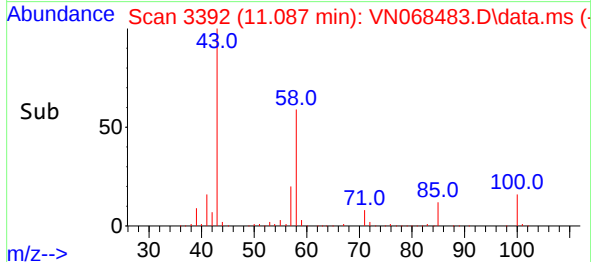
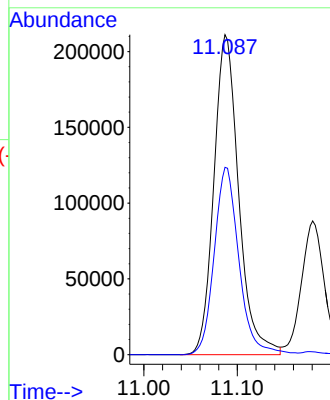
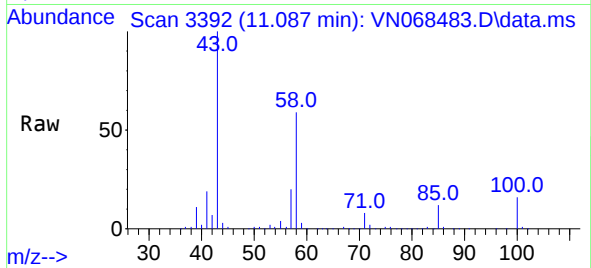
#59  
2-Hexanone  
Concen: 105.178 ug/l  
RT: 11.087 min Scan# 3392  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 43 Resp: 390533  
Ion Ratio Lower Upper  
43 100  
58 58.4 30.0 90.1

Instrument :  
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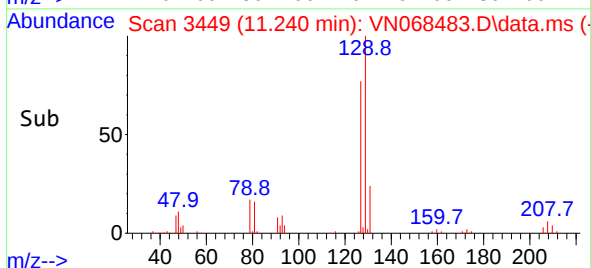
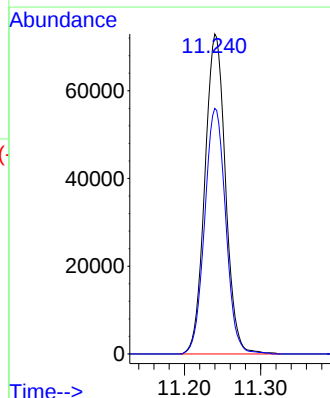
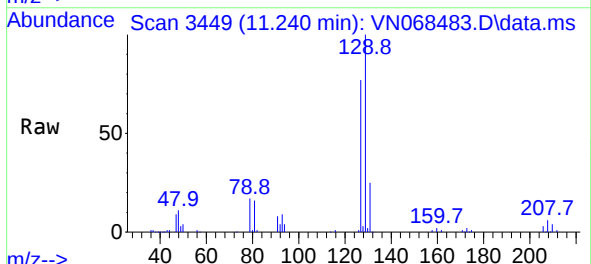
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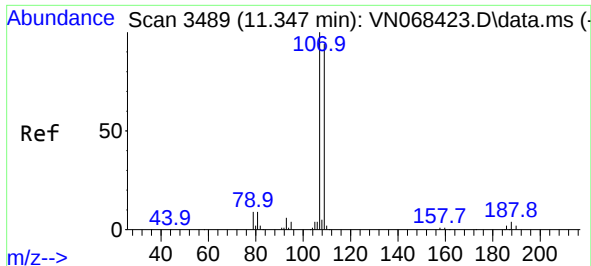
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#60  
Dibromochloromethane  
Concen: 20.618 ug/l  
RT: 11.240 min Scan# 3449  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

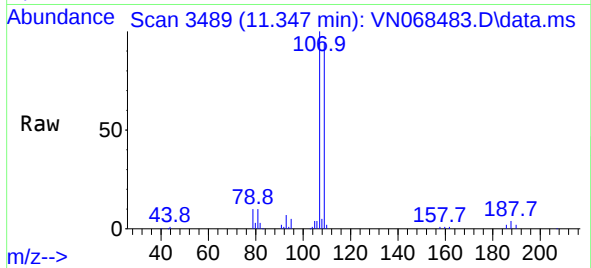
Tgt Ion:129 Resp: 136869  
Ion Ratio Lower Upper  
129 100  
127 78.3 38.5 115.3





#61  
1,2-Dibromoethane  
Concen: 20.642 ug/l  
RT: 11.347 min Scan# 3489  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

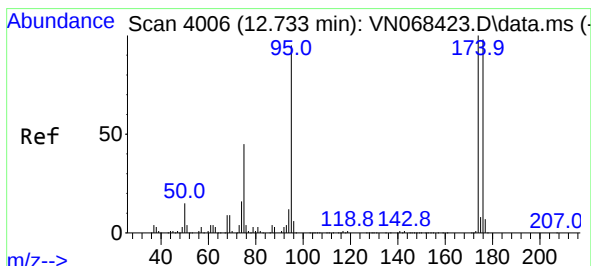
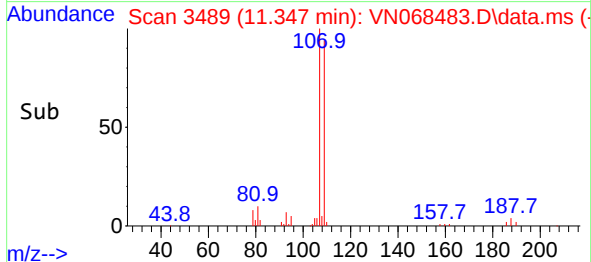
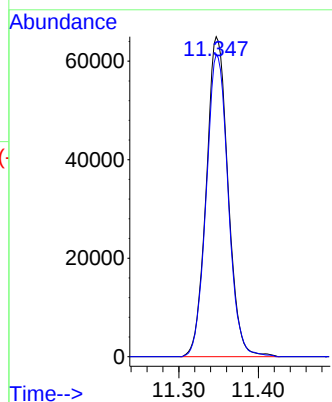
Instrument :  
MSVOA\_N  
ClientSampleId :  
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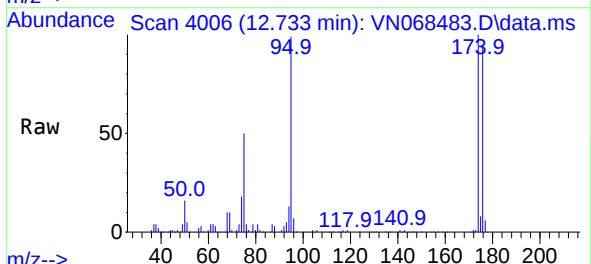
Tgt Ion:107 Resp: 123446  
Ion Ratio Lower Upper  
107 100  
109 95.1 75.0 112.4

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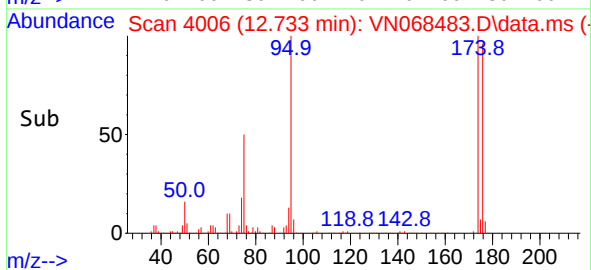
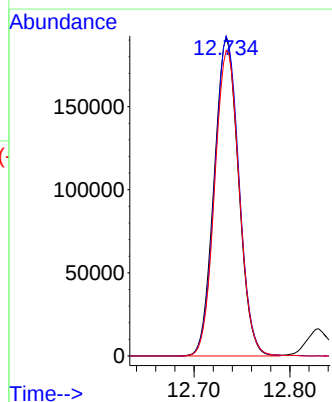
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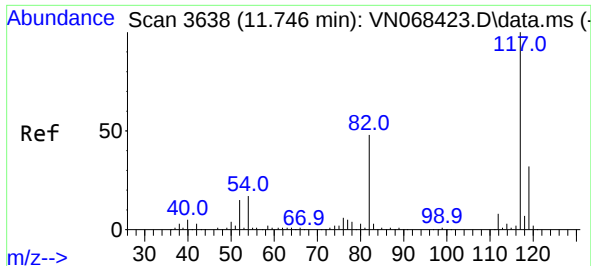


#62  
4-Bromofluorobenzene  
Concen: 55.578 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53



Tgt Ion: 95 Resp: 338210  
Ion Ratio Lower Upper  
95 100  
174 100.3 0.0 214.0  
176 96.4 0.0 205.4





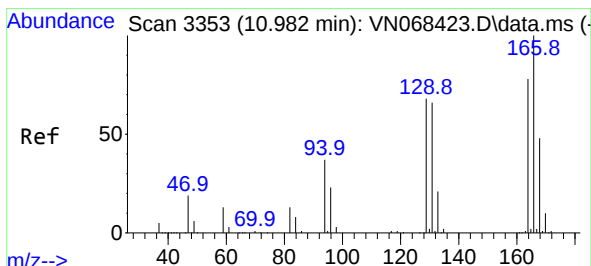
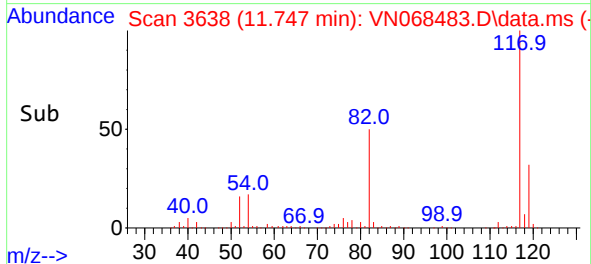
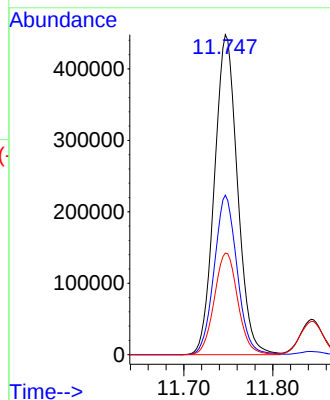
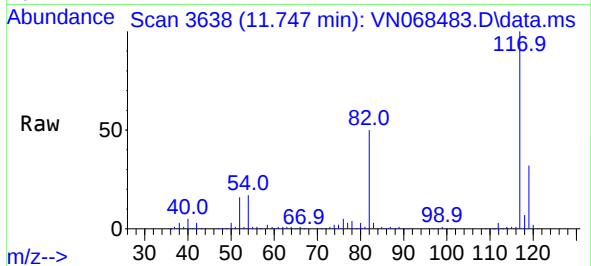
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.747 min Scan# 3638  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Instrument :  
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ClientSampleId :  
VN0915WBSD01

Tgt Ion:117 Resp: 807944  
Ion Ratio Lower Upper  
117 100  
82 49.8 38.7 58.1  
119 31.7 25.5 38.3

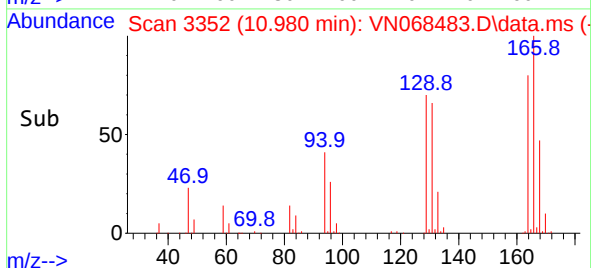
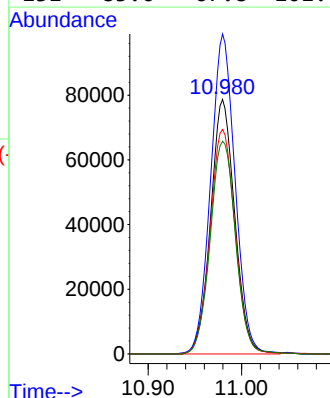
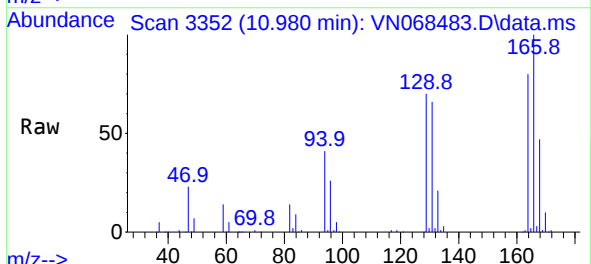
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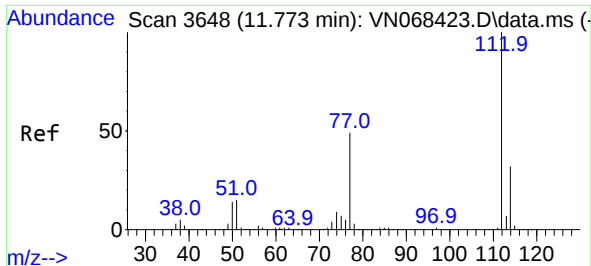
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#64  
Tetrachloroethene  
Concen: 19.751 ug/l  
RT: 10.980 min Scan# 3352  
Delta R.T. -0.002 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

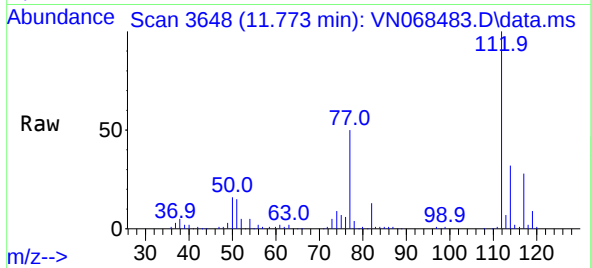
Tgt Ion:164 Resp: 141431  
Ion Ratio Lower Upper  
164 100  
166 125.4 102.9 154.3  
129 88.2 70.1 105.1  
131 83.6 67.8 101.6





#65  
Chlorobenzene  
Concen: 19.909 ug/l  
RT: 11.773 min Scan# 3648  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

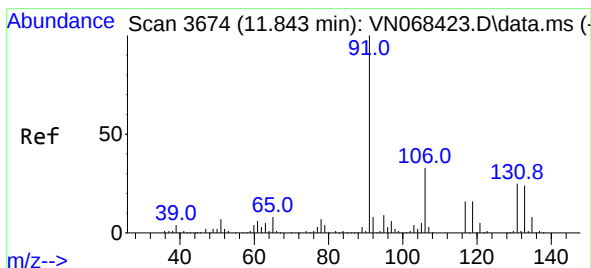
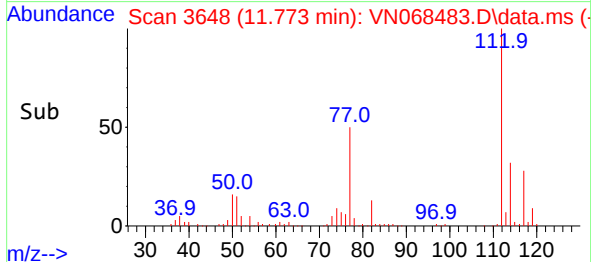
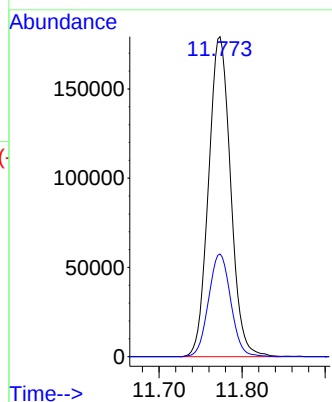
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01



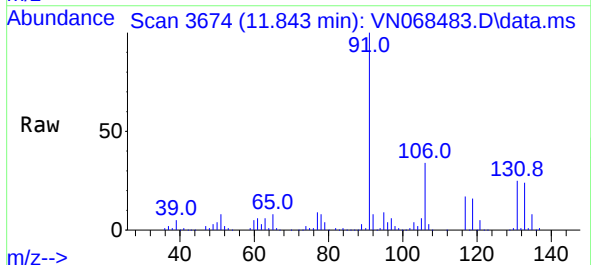
Tgt Ion:112 Resp: 330484  
Ion Ratio Lower Upper  
112 100  
114 32.1 25.8 38.8

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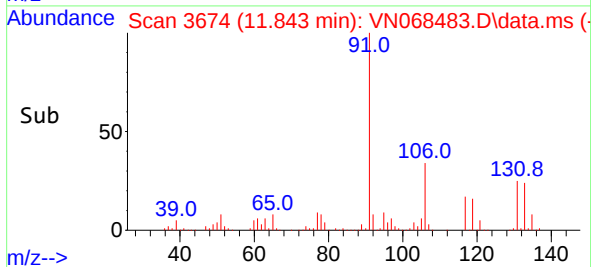
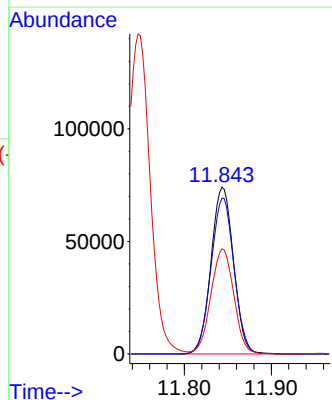
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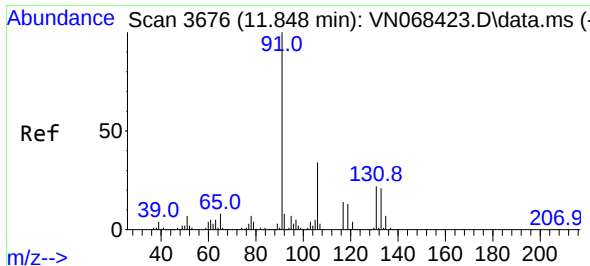


#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.456 ug/l  
RT: 11.843 min Scan# 3674  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53



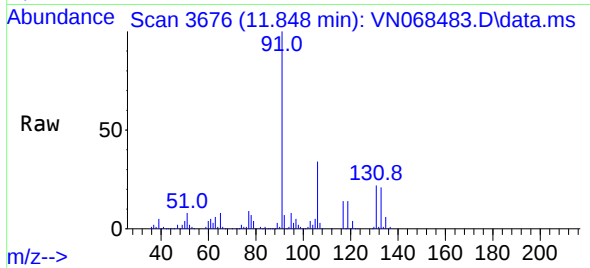
Tgt Ion:131 Resp: 133487  
Ion Ratio Lower Upper  
131 100  
133 95.7 48.5 145.6  
119 64.3 31.4 94.3





#67  
Ethyl Benzene  
Concen: 20.122 ug/l  
RT: 11.848 min Scan# 3676  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

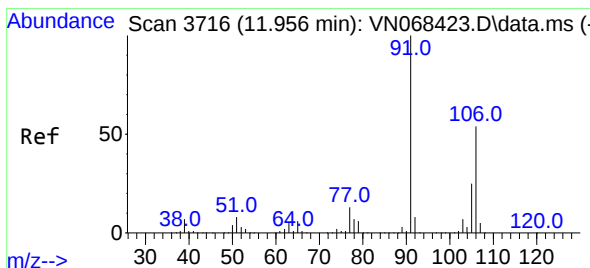
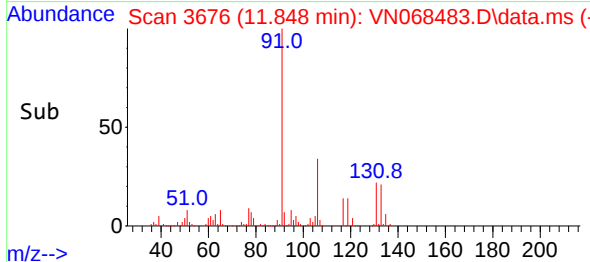
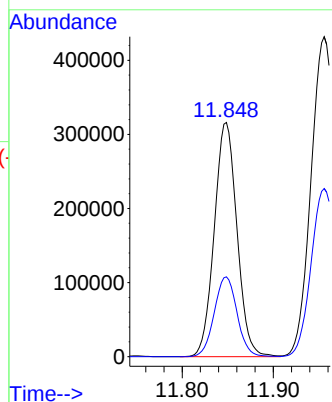
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01



Tgt Ion: 91 Resp: 546610  
Ion Ratio Lower Upper  
91 100  
106 34.1 27.1 40.7

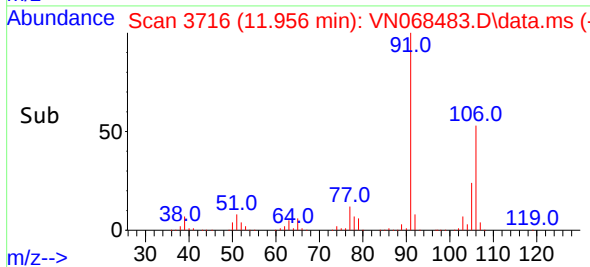
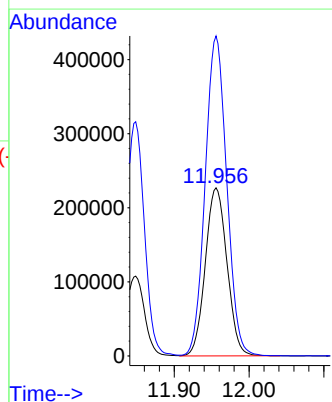
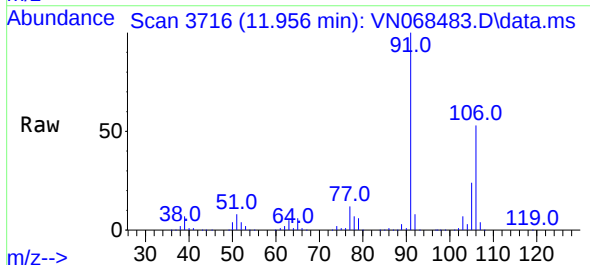
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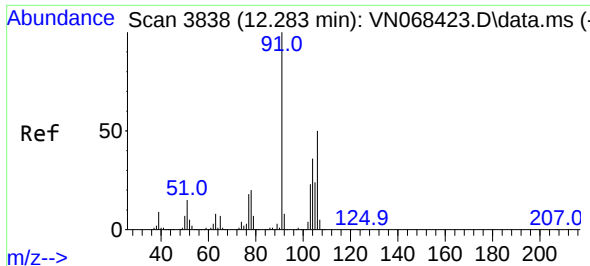
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#68  
m/p-Xylenes  
Concen: 41.787 ug/l  
RT: 11.956 min Scan# 3716  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

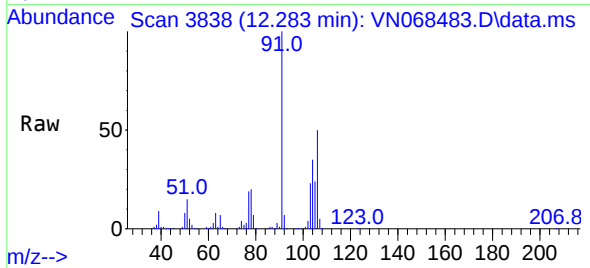
Tgt Ion: 106 Resp: 457089  
Ion Ratio Lower Upper  
106 100  
91 188.9 149.5 224.3





#69  
o-Xylene  
Concen: 20.740 ug/l  
RT: 12.283 min Scan# 3838  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

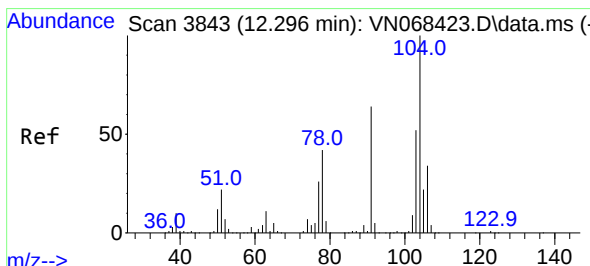
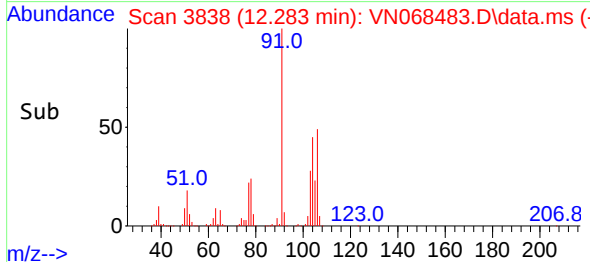
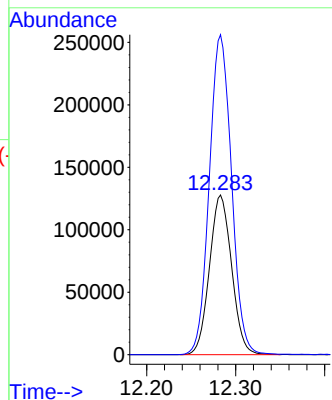
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01



Tgt Ion:106 Resp: 221044  
Ion Ratio Lower Upper  
106 100  
91 200.5 99.3 297.8

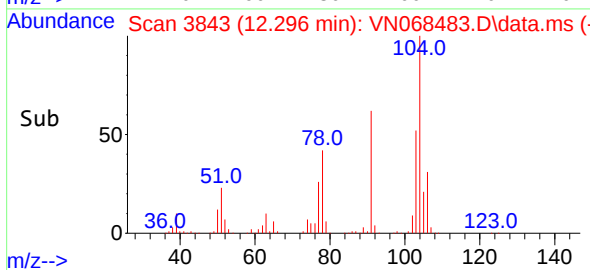
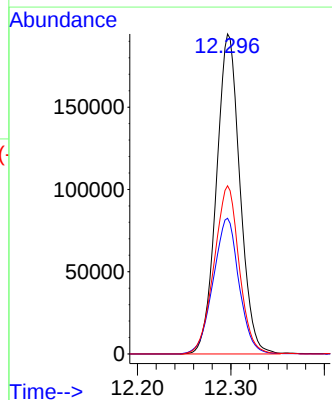
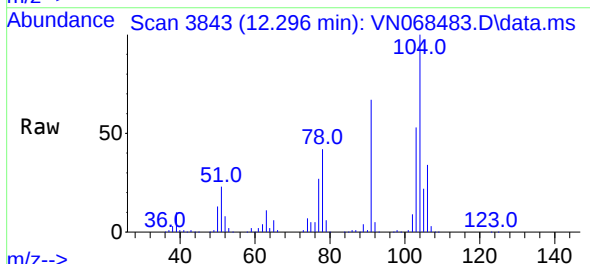
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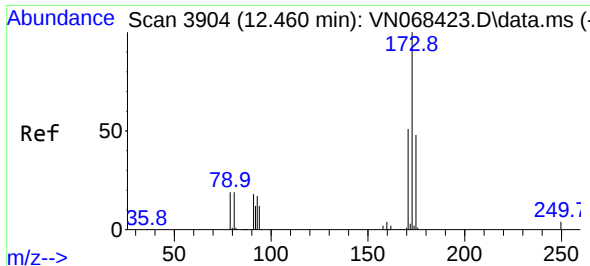
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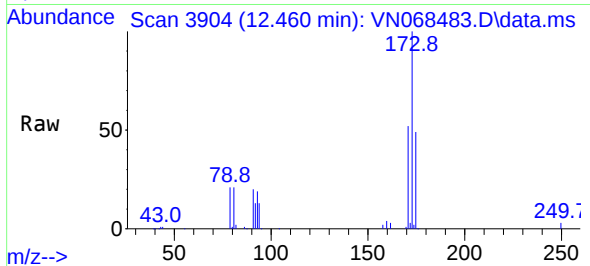
#70  
Styrene  
Concen: 21.078 ug/l  
RT: 12.296 min Scan# 3843  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion:104 Resp: 340498  
Ion Ratio Lower Upper  
104 100  
78 46.6 36.2 54.2  
103 56.1 44.4 66.6

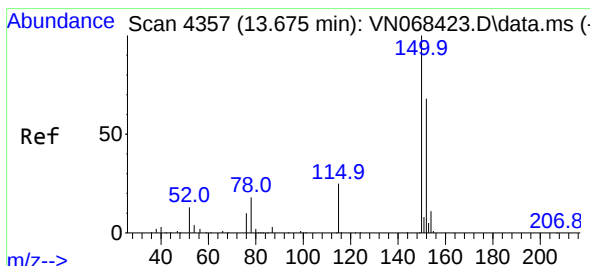
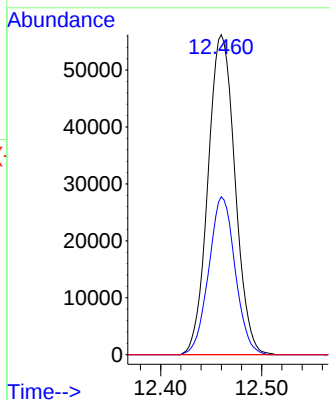
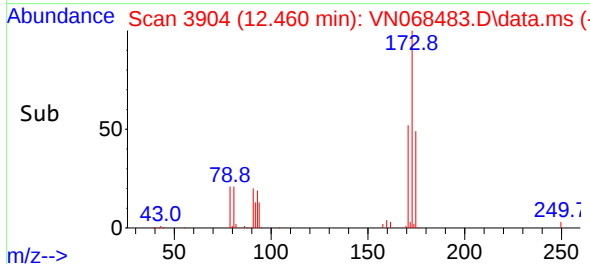




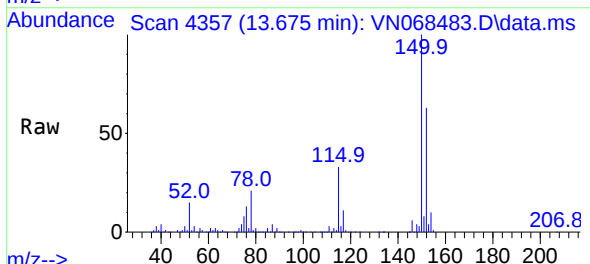
#71  
Bromoform  
Concen: 20.870 ug/l  
RT: 12.460 min Scan# 3904  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53



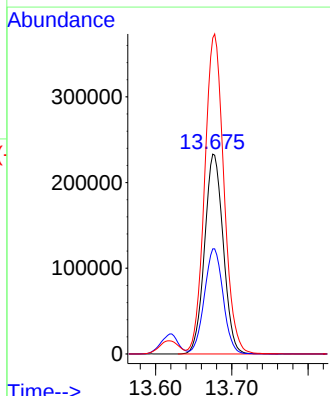
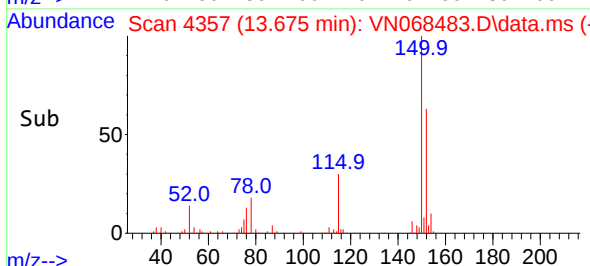
Tgt Ion:173 Resp: 104410  
Ion Ratio Lower Upper  
173 100  
175 48.2 24.1 72.3  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.675 min Scan# 4357  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53



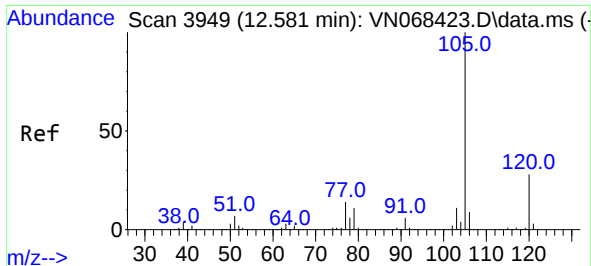
Tgt Ion:152 Resp: 395444  
Ion Ratio Lower Upper  
152 100  
115 52.9 25.6 76.6  
150 165.6 0.0 346.8



Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01

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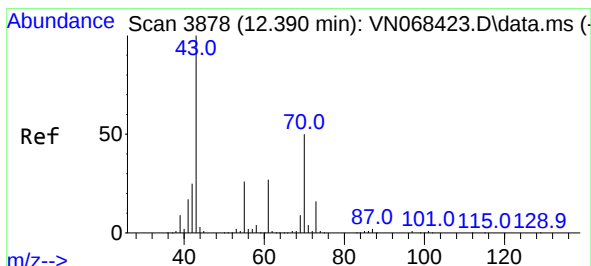
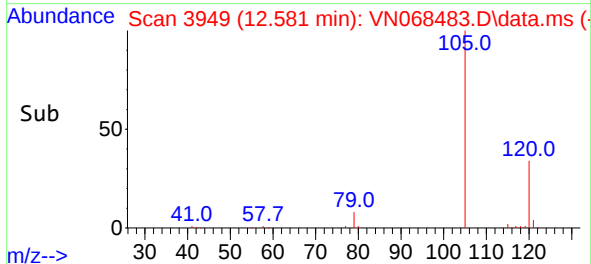
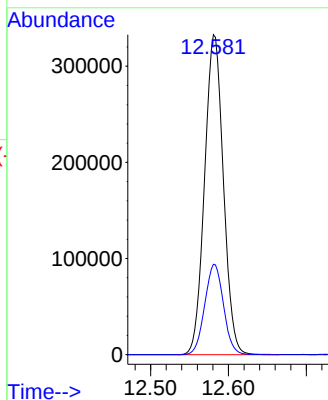
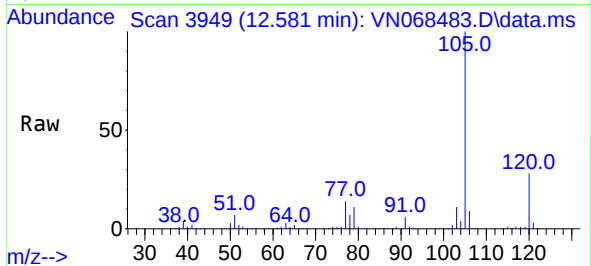
#73  
Isopropylbenzene  
Concen: 19.878 ug/l  
RT: 12.581 min Scan# 3949  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01

Tgt Ion:105 Resp: 559157  
Ion Ratio Lower Upper  
105 100  
120 28.2 14.1 42.3

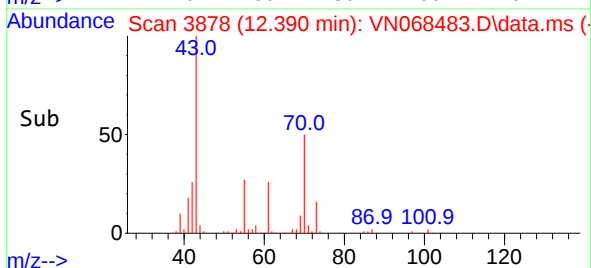
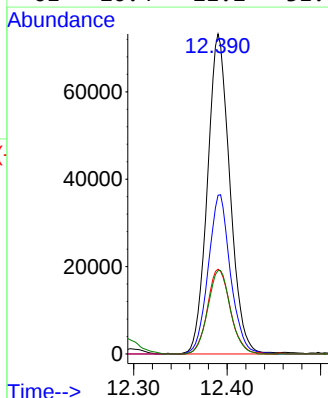
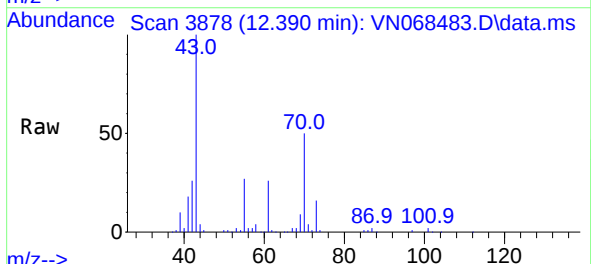
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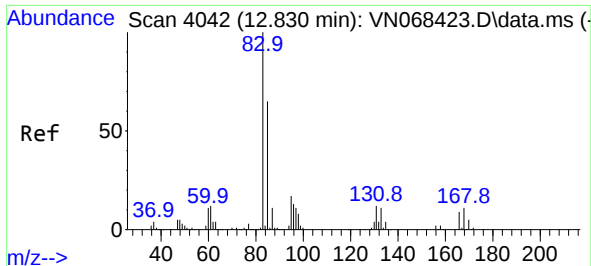
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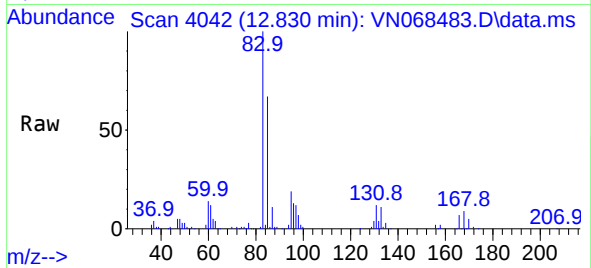
#74  
N-ethyl acetate  
Concen: 19.444 ug/l  
RT: 12.390 min Scan# 3878  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 43 Resp: 121993  
Ion Ratio Lower Upper  
43 100  
70 49.4 40.0 60.0  
55 27.1 21.1 31.7  
61 26.4 21.2 31.8

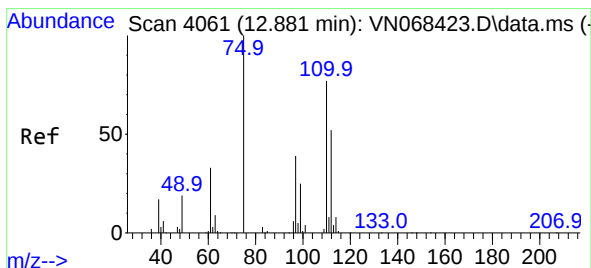
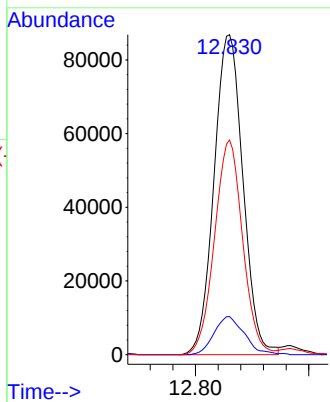
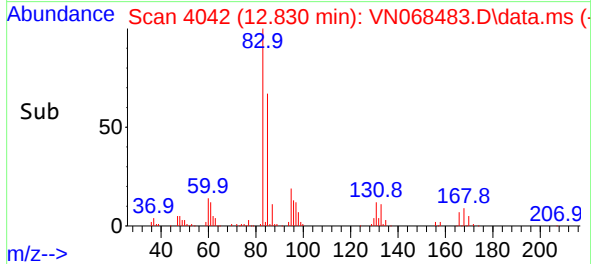




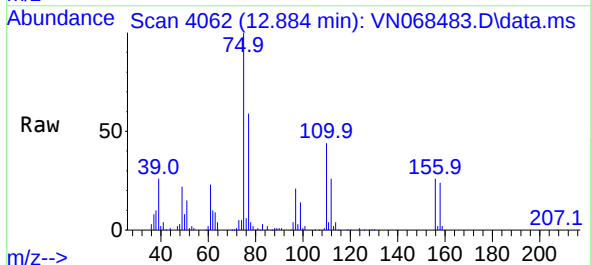
#75  
1,1,2,2-Tetrachloroethane  
Concen: 19.530 ug/l  
RT: 12.830 min Scan# 4042  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53



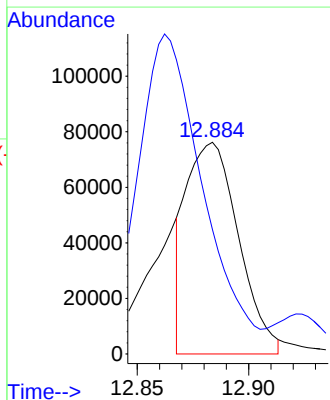
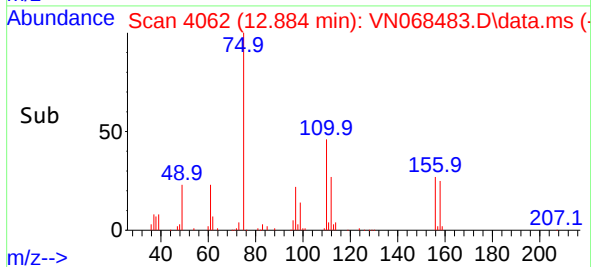
Tgt Ion: 83 Resp: 154011  
Ion Ratio Lower Upper  
83 100  
131 12.5 6.3 19.1  
85 65.2 32.5 97.4



#76  
1,2,3-Trichloropropane  
Concen: 19.874 ug/l m  
RT: 12.884 min Scan# 4062  
Delta R.T. 0.003 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53



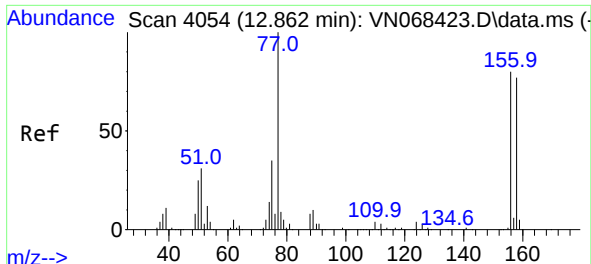
Tgt Ion: 75 Resp: 124056  
Ion Ratio Lower Upper  
75 100  
77 0.0 100.9 302.7#



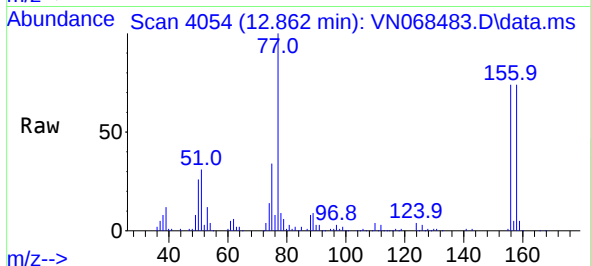
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01

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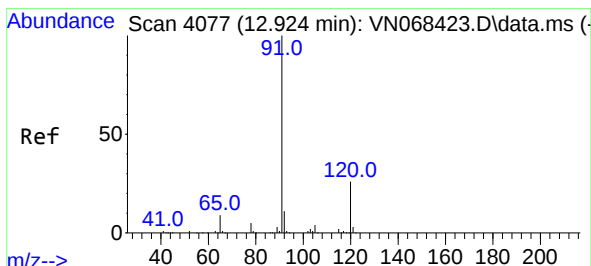
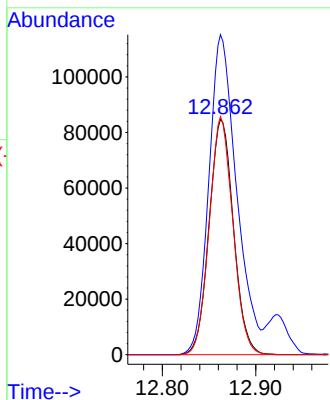
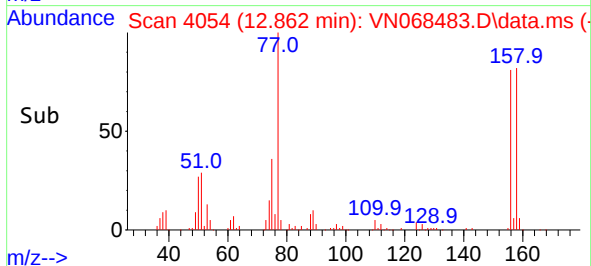
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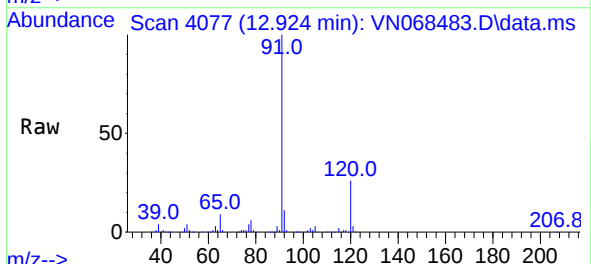
#77  
Bromobenzene  
Concen: 19.751 ug/l  
RT: 12.862 min Scan# 4054  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53



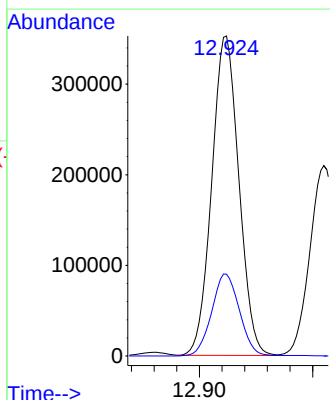
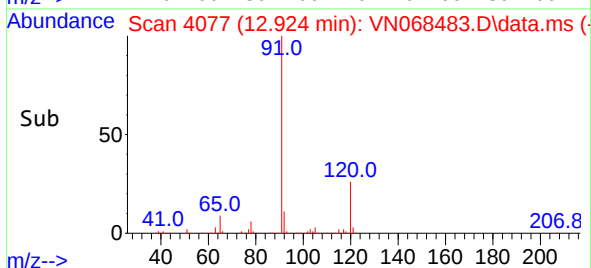
Tgt Ion:156 Resp: 153674  
Ion Ratio Lower Upper  
156 100  
77 154.2 73.0 219.0  
158 98.0 49.0 147.2



#78  
n-propylbenzene  
Concen: 19.703 ug/l  
RT: 12.924 min Scan# 4077  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53



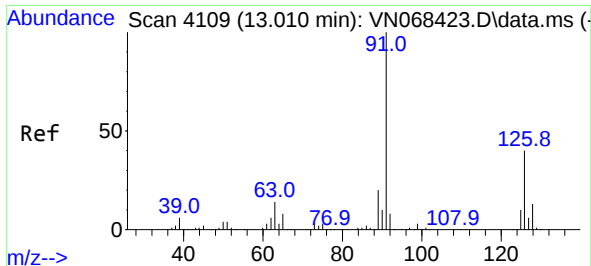
Tgt Ion: 91 Resp: 585227  
Ion Ratio Lower Upper  
91 100  
120 26.3 13.2 39.6



Instrument :  
MSVOA\_N  
ClientSampleId :  
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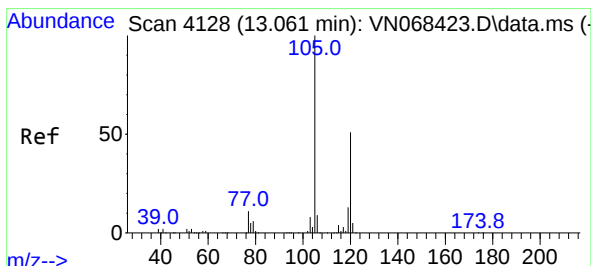
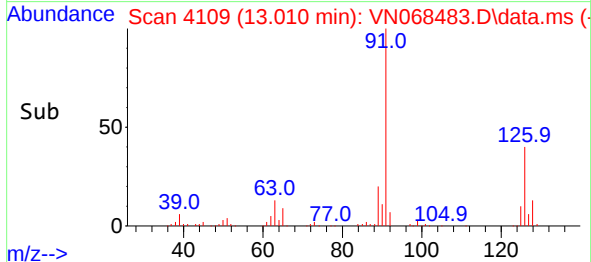
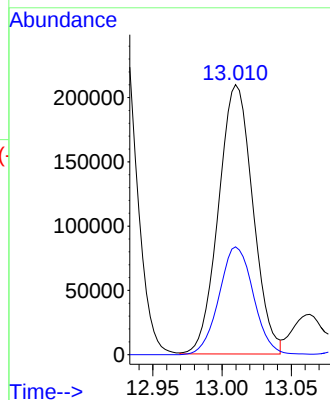
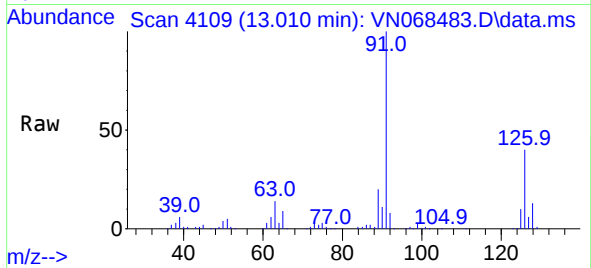
#79  
2-Chlorotoluene  
Concen: 19.763 ug/l  
RT: 13.010 min Scan# 4109  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
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Tgt Ion: 91 Resp: 361883  
Ion Ratio Lower Upper  
91 100  
126 40.2 20.1 60.3

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01

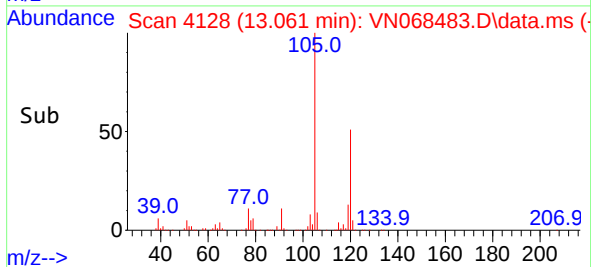
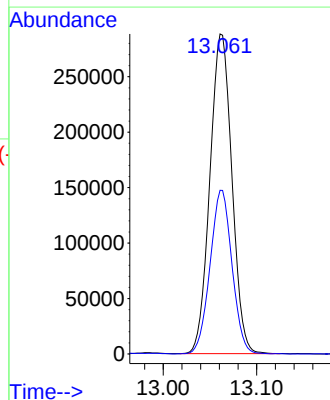
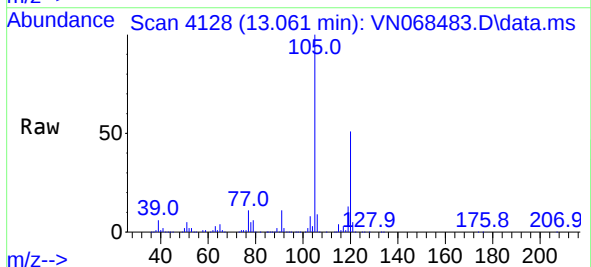
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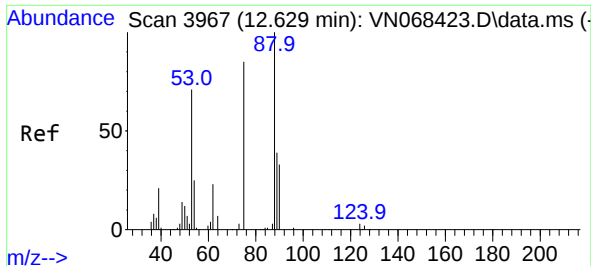
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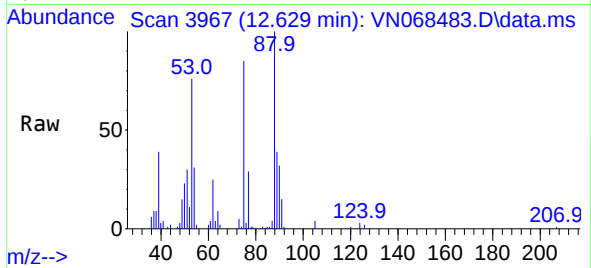
#80  
1,3,5-Trimethylbenzene  
Concen: 20.618 ug/l  
RT: 13.061 min Scan# 4128  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 105 Resp: 471145  
Ion Ratio Lower Upper  
105 100  
120 51.2 25.7 77.1

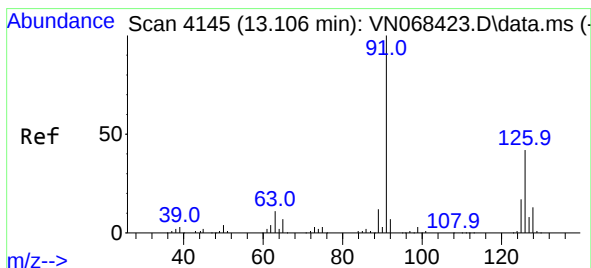
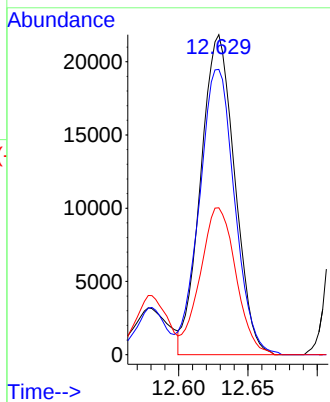
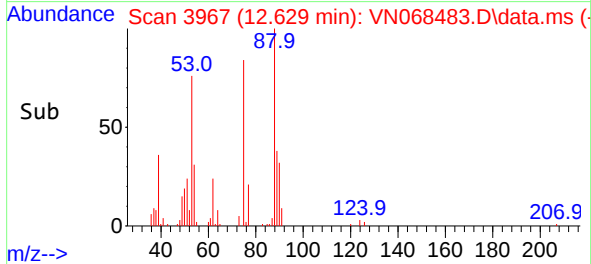




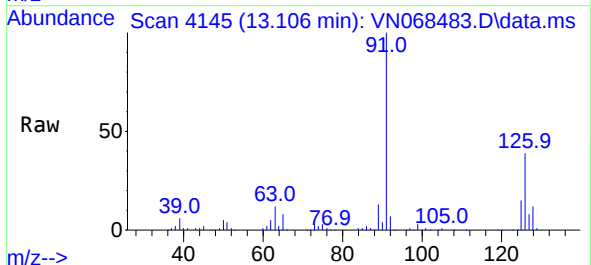
#81  
trans-1,4-Dichloro-2-butene  
Concen: 20.889 ug/l  
RT: 12.629 min Scan# 3967  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53



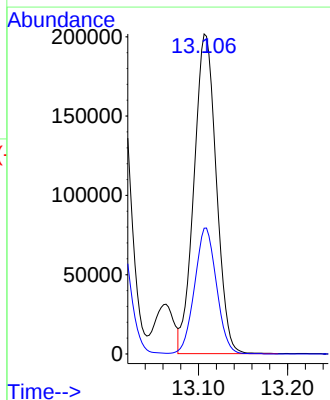
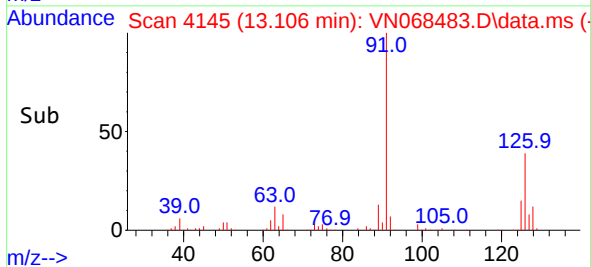
Tgt Ion: 75 Resp: 37273  
Ion Ratio Lower Upper  
75 100  
53 93.0 70.6 105.8  
89 48.5 39.5 59.3



#82  
4-Chlorotoluene  
Concen: 19.813 ug/l  
RT: 13.106 min Scan# 4145  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53



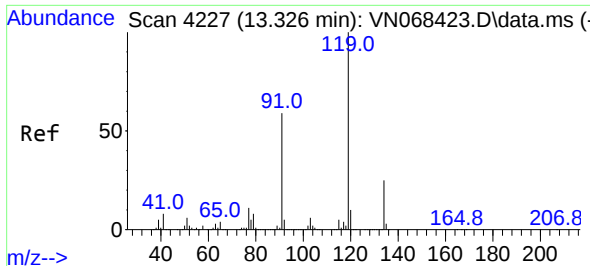
Tgt Ion: 91 Resp: 349863  
Ion Ratio Lower Upper  
91 100  
126 38.6 19.8 59.3



Instrument :  
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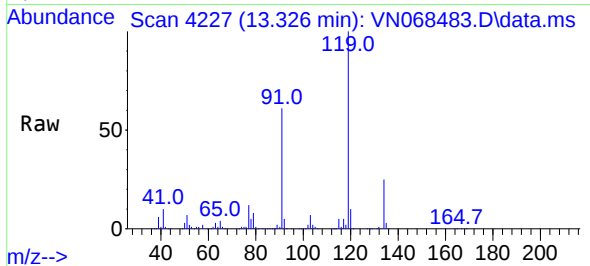
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#83  
tert-Butylbenzene  
Concen: 20.252 ug/l  
RT: 13.326 min Scan# 4227  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

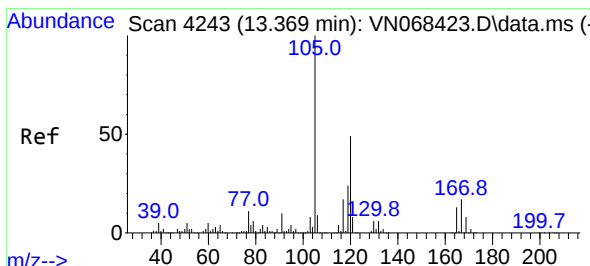
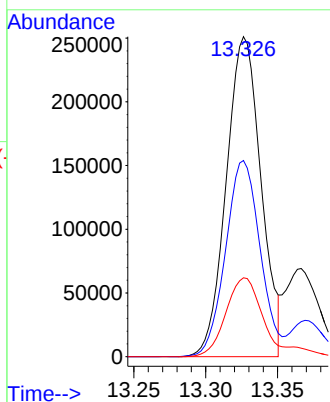
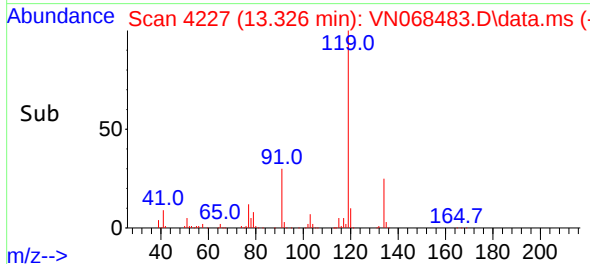
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01



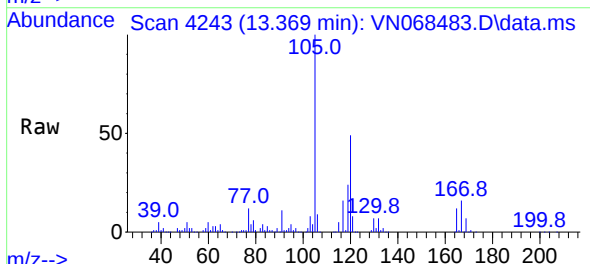
Tgt Ion:119 Resp: 422539  
Ion Ratio Lower Upper  
119 100  
91 61.2 29.1 87.4  
134 27.6 13.7 41.0

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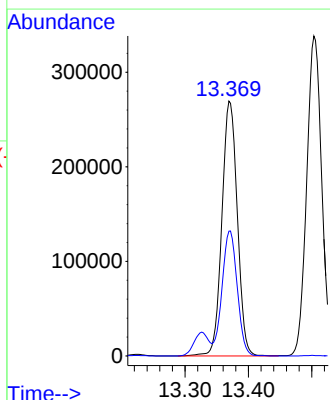
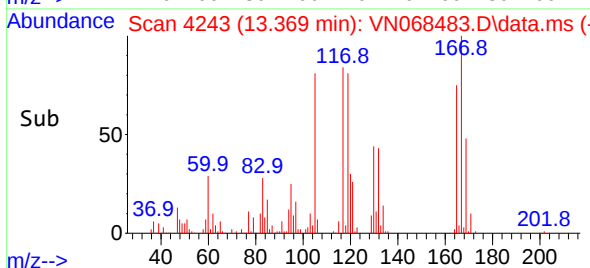
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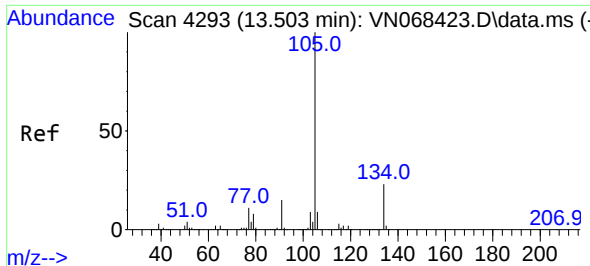


#84  
1,2,4-Trimethylbenzene  
Concen: 20.812 ug/l  
RT: 13.369 min Scan# 4243  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53



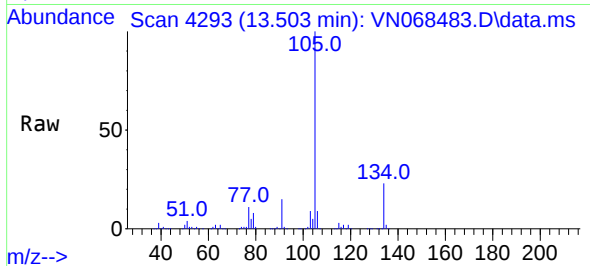
Tgt Ion:105 Resp: 456125  
Ion Ratio Lower Upper  
105 100  
120 48.3 24.3 72.9





#85  
 sec-Butylbenzene  
 Concen: 20.223 ug/l  
 RT: 13.503 min Scan# 4293  
 Delta R.T. 0.000 min  
 Lab File: VN068483.D  
 Acq: 15 Sep 2021 14:53

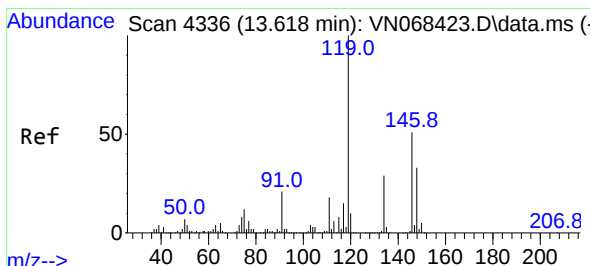
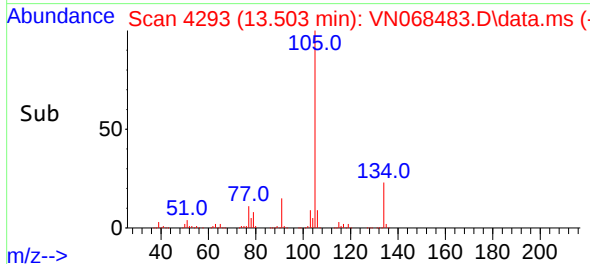
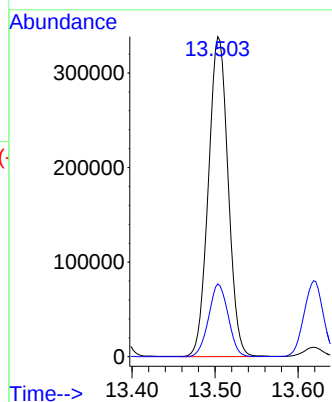
Instrument :  
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 ClientSampleId :  
 VN0915WBSD01



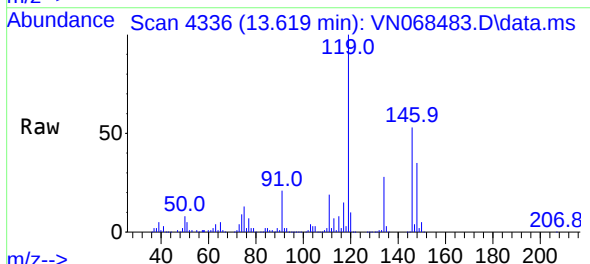
Tgt Ion:105 Resp: 556349  
 Ion Ratio Lower Upper  
 105 100  
 134 22.6 11.4 34.1

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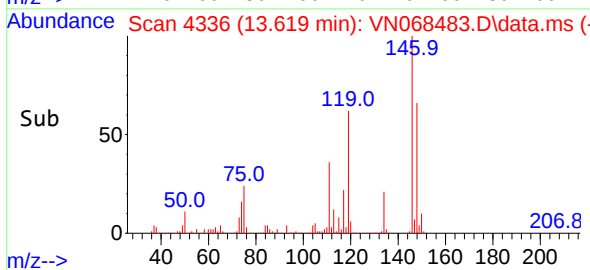
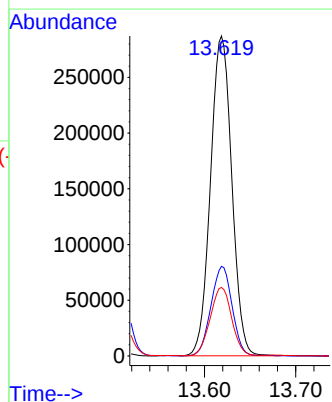
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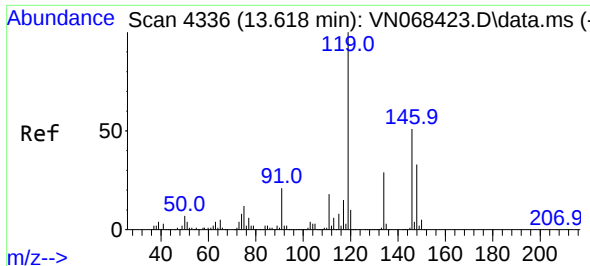


#86  
 p-Isopropyltoluene  
 Concen: 20.046 ug/l  
 RT: 13.619 min Scan# 4336  
 Delta R.T. 0.000 min  
 Lab File: VN068483.D  
 Acq: 15 Sep 2021 14:53



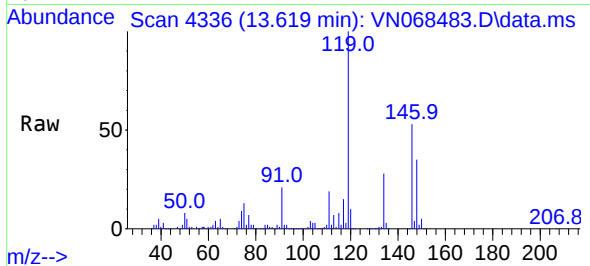
Tgt Ion:119 Resp: 465483  
 Ion Ratio Lower Upper  
 119 100  
 134 27.7 14.1 42.4  
 91 21.5 10.6 31.8





#87  
1,3-Dichlorobenzene  
Concen: 19.684 ug/l  
RT: 13.619 min Scan# 4336  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

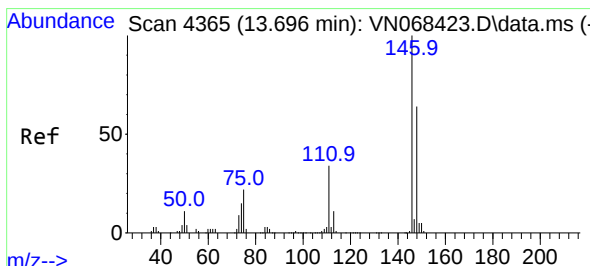
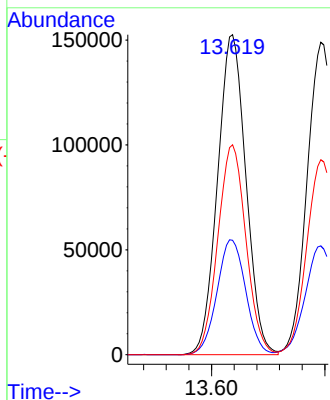
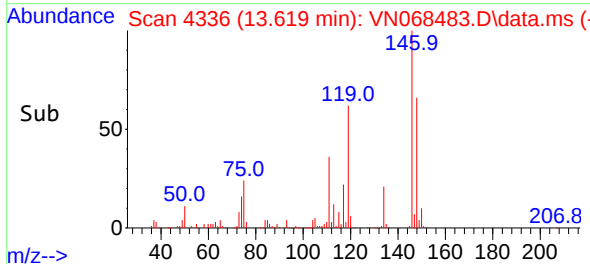
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01



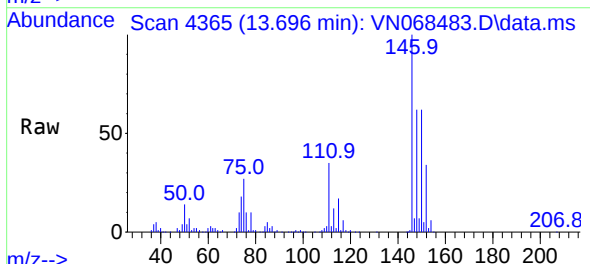
Tgt Ion:146 Resp: 265733  
Ion Ratio Lower Upper  
146 100  
111 36.4 17.6 52.8  
148 65.1 32.1 96.3

Manual Integrations  
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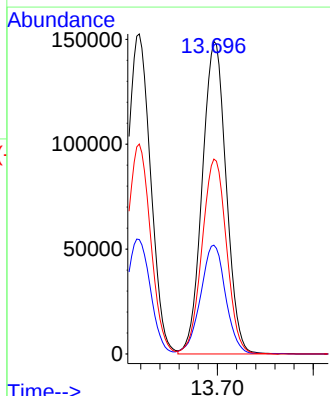
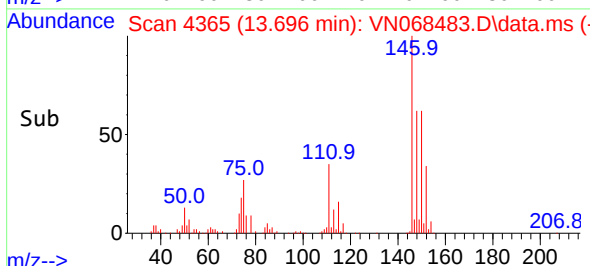
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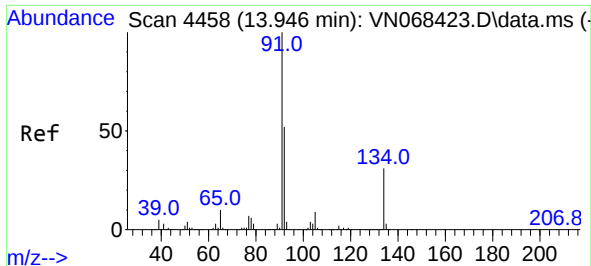


#88  
1,4-Dichlorobenzene  
Concen: 19.412 ug/l  
RT: 13.696 min Scan# 4365  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53



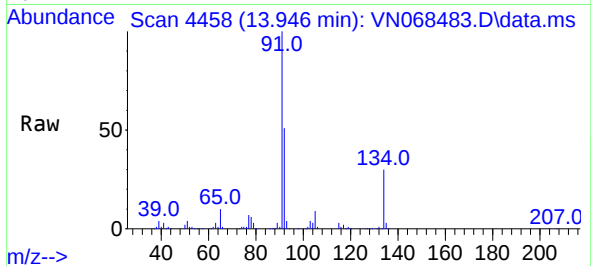
Tgt Ion:146 Resp: 258289  
Ion Ratio Lower Upper  
146 100  
111 36.3 17.2 51.6  
148 63.7 31.9 95.7





#89  
n-Butylbenzene  
Concen: 18.876 ug/l  
RT: 13.946 min Scan# 4458  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

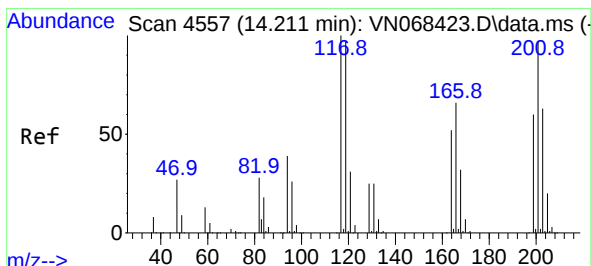
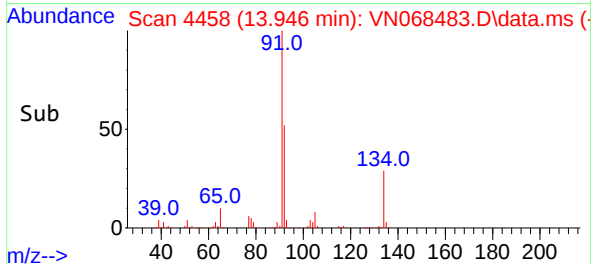
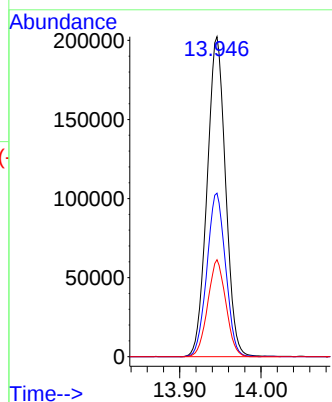
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01



Tgt Ion: 91 Resp: 319299  
Ion Ratio Lower Upper  
91 100  
92 51.6 26.0 78.0  
134 29.7 15.4 46.2

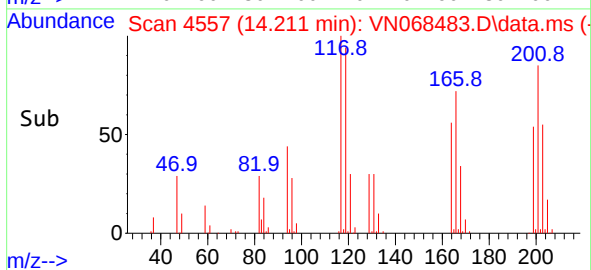
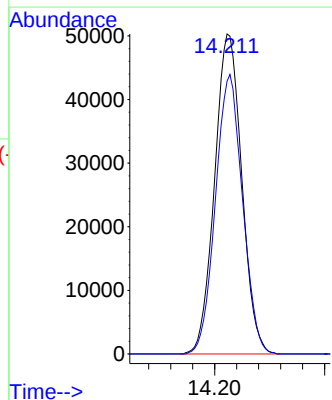
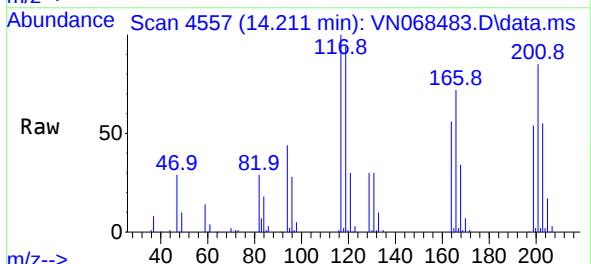
Manual Integrations  
APPROVED

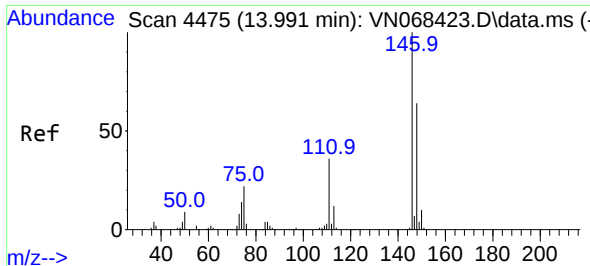
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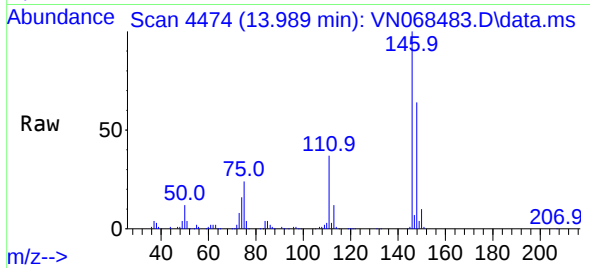
#90  
Hexachloroethane  
Concen: 21.156 ug/l  
RT: 14.211 min Scan# 4557  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

Tgt Ion: 117 Resp: 86233  
Ion Ratio Lower Upper  
117 100  
201 87.1 49.3 147.9

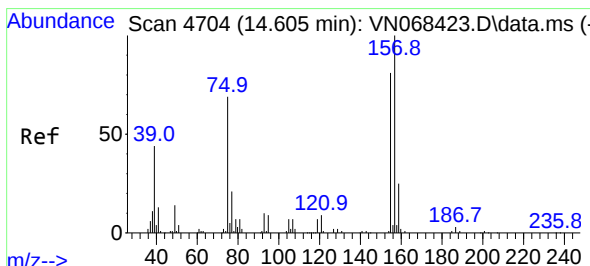
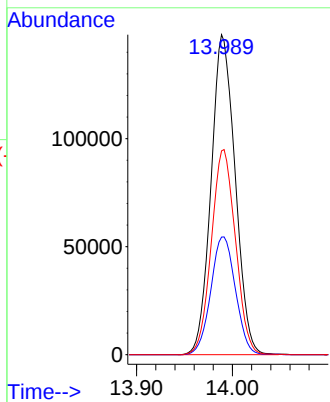
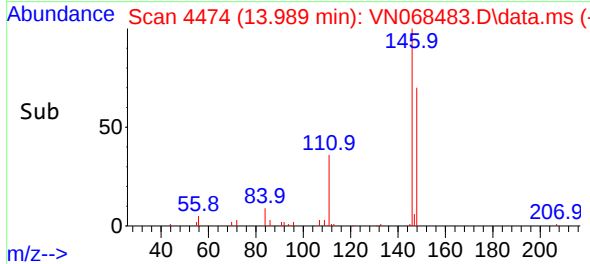




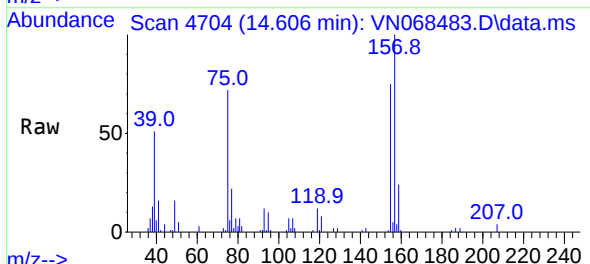
#91  
1,2-Dichlorobenzene  
Concen: 19.843 ug/l  
RT: 13.989 min Scan# 4474  
Delta R.T. -0.003 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53



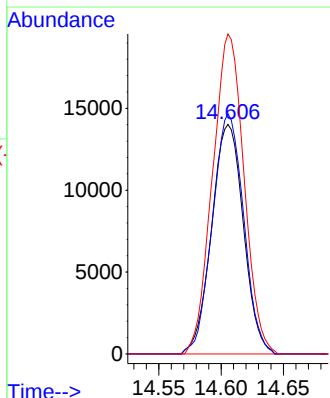
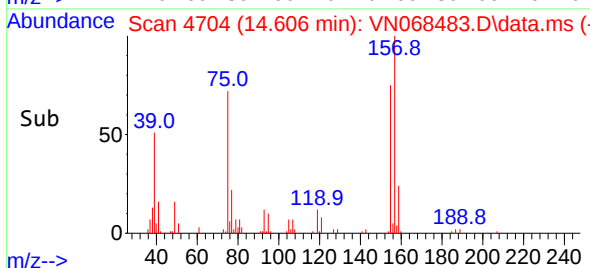
Tgt Ion:146 Resp: 258405  
Ion Ratio Lower Upper  
146 100  
111 37.7 18.1 54.3  
148 64.2 32.1 96.5



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 19.883 ug/l  
RT: 14.606 min Scan# 4704  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53



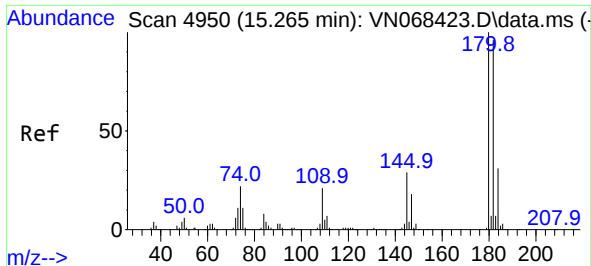
Tgt Ion: 75 Resp: 24888  
Ion Ratio Lower Upper  
75 100  
155 102.7 56.9 170.7  
157 138.0 73.0 219.2



Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01

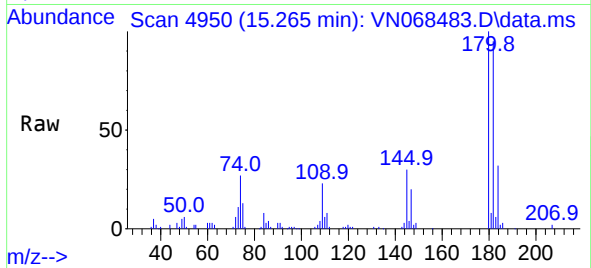
Manual Integrations  
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#93  
1,2,4-Trichlorobenzene  
Concen: 16.480 ug/l  
RT: 15.265 min Scan# 4950  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

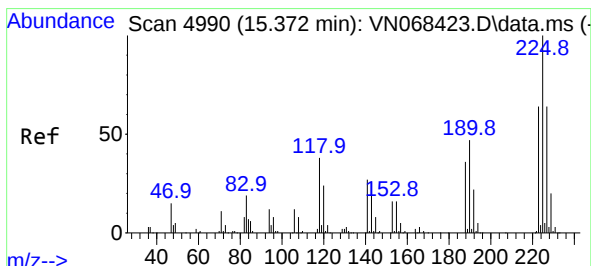
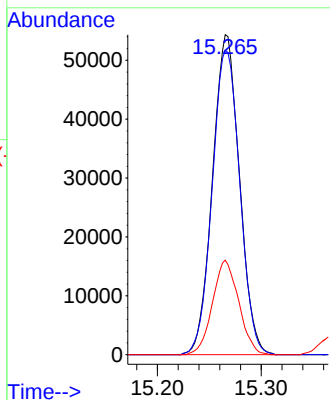
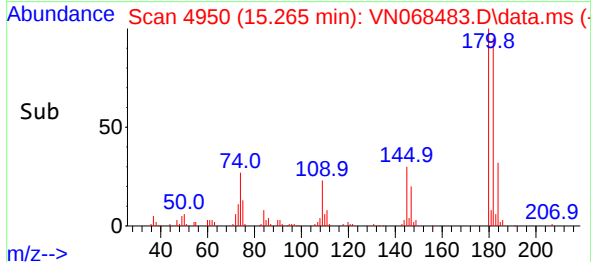
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01



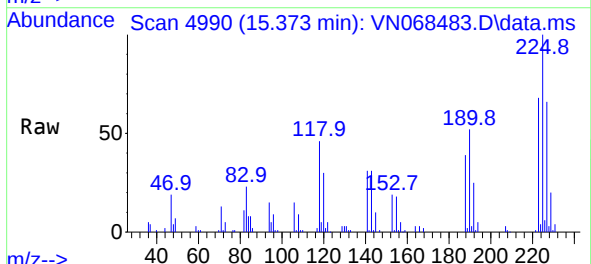
Tgt Ion:180 Resp: 98009  
Ion Ratio Lower Upper  
180 100  
182 97.3 47.5 142.6  
145 28.7 14.1 42.4

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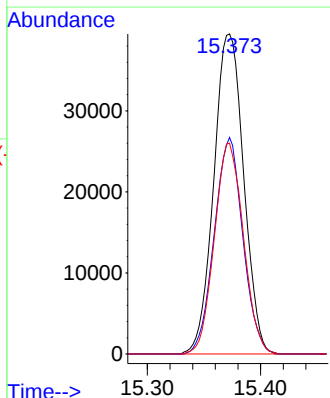
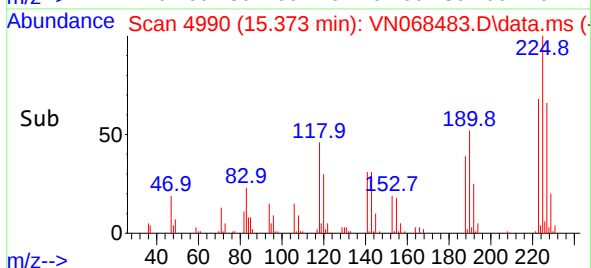
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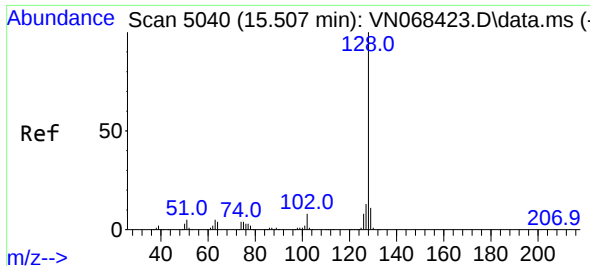


#94  
Hexachlorobutadiene  
Concen: 18.851 ug/l  
RT: 15.373 min Scan# 4990  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53



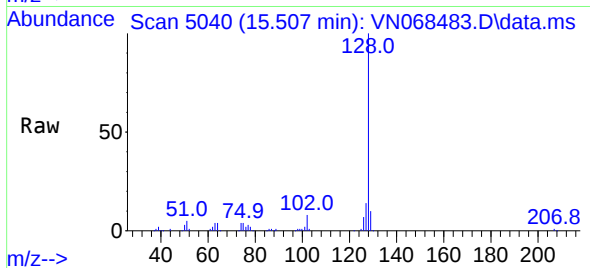
Tgt Ion:225 Resp: 72447  
Ion Ratio Lower Upper  
225 100  
223 64.7 32.0 96.2  
227 63.8 31.9 95.5





#95  
Naphthalene  
Concen: 14.446 ug/l  
RT: 15.507 min Scan# 5040  
Delta R.T. -0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53

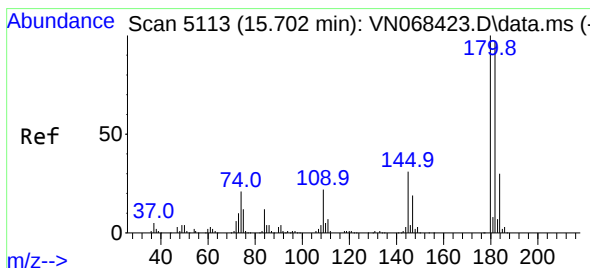
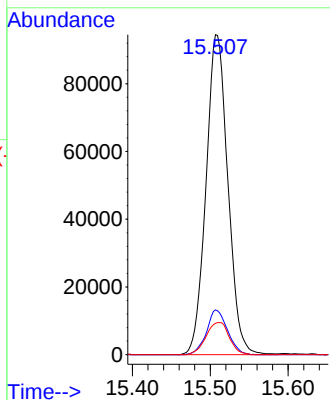
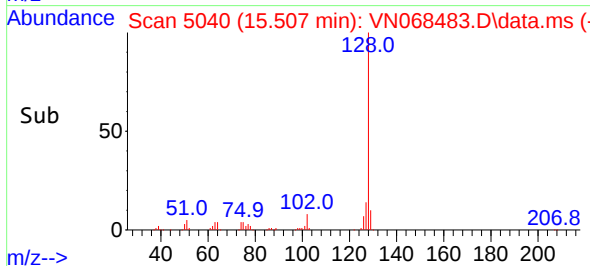
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0915WBSD01



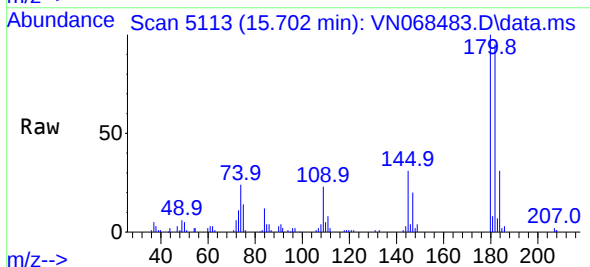
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.5  | 10.6  | 15.8  |
| 129     | 10.7  | 8.6   | 13.0  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 15.808 ug/l  
RT: 15.702 min Scan# 5113  
Delta R.T. 0.000 min  
Lab File: VN068483.D  
Acq: 15 Sep 2021 14:53



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.0  | 47.9  | 143.6 |
| 145     | 30.8  | 15.2  | 45.5  |

