

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100621\  
 Data File : VN068813.D  
 Acq On : 6 Oct 2021 12:26  
 Operator : JC/MD  
 Sample : VSTDIC005  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 10/7/2021 5:34:15 PM

Quant Time: Oct 06 13:47:52 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100621W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 06 13:47:13 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|--------|--------|----------|
| -----                        |                |      |            |        |        |          |
| Internal Standards           |                |      |            |        |        |          |
| 1) Pentafluorobenzene        | 8.086          | 168  | 428654     | 50.00  | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene      | 8.968          | 114  | 734917     | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.746         | 117  | 683707     | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.677         | 152  | 264799     | 50.00  | ug/l   | 0.00     |
|                              |                |      |            |        |        |          |
| System Monitoring Compounds  |                |      |            |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.437          | 65   | 30422      | 4.94   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = | 9.88%# |        |          |
| 35) Dibromofluoromethane     | 8.021          | 113  | 23308      | 4.98   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = | 9.96%# |        |          |
| 50) Toluene-d8               | 10.443         | 98   | 83820      | 4.84   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = | 9.68%# |        |          |
| 62) 4-Bromofluorobenzene     | 12.731         | 95   | 26886      | 4.51   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = | 9.02%# |        |          |
|                              |                |      |            |        |        |          |
| Target Compounds             |                |      |            |        |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.073          | 85   | 27293      | 5.91   | ug/l   | 96       |
| 3) Chloromethane             | 2.303          | 50   | 30165      | 5.90   | ug/l   | 94       |
| 4) Vinyl Chloride            | 2.445          | 62   | 50835      | 5.38   | ug/l   | 100      |
| 5) Bromomethane              | 2.840          | 94   | 52445      | 6.70   | ug/l   | 95       |
| 6) Chloroethane              | 3.011          | 64   | 41778      | 5.24   | ug/l   | 95       |
| 7) Trichlorofluoromethane    | 3.373          | 101  | 45303      | 5.56   | ug/l   | 100      |
| 8) Diethyl Ether             | 3.827          | 74   | 13352      | 5.20   | ug/l   | 89       |
| 9) 1,1,2-Trichlorotrifluo... | 4.213          | 101  | 23501      | 5.06   | ug/l # | 78       |
| 10) Methyl Iodide            | 4.427          | 142  | 27619      | 6.75   | ug/l   | 95       |
| 11) Tert butyl alcohol       | 5.366          | 59   | 18742      | 23.57  | ug/l # | 85       |
| 12) 1,1-Dichloroethene       | 4.181          | 96   | 22187m     | 5.58   | ug/l   |          |
| 13) Acrolein                 | 4.038          | 56   | 11730m     | 59.66  | ug/l   |          |
| 14) Allyl chloride           | 4.840          | 41   | 32524      | 5.25   | ug/l # | 76       |
| 15) Acrylonitrile            | 5.556          | 53   | 51892      | 23.34  | ug/l   | 97       |
| 16) Acetone                  | 4.285          | 43   | 59253      | 8.53   | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.532          | 76   | 60182      | 6.81   | ug/l # | 93       |
| 18) Methyl Acetate           | 4.856          | 43   | 35710      | 5.02   | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.615          | 73   | 76073      | 4.82   | ug/l   | 99       |
| 20) Methylene Chloride       | 5.098          | 84   | 29089      | 5.65   | ug/l # | 80       |
| 21) trans-1,2-Dichloroethene | 5.599          | 96   | 24713      | 5.56   | ug/l   | 82       |
| 22) Diisopropyl ether        | 6.495          | 45   | 70240      | 4.81   | ug/l # | 95       |
| 23) Vinyl Acetate            | 6.433          | 43   | 271687     | 23.59  | ug/l   | 95       |
| 24) 1,1-Dichloroethane       | 6.391          | 63   | 44832      | 5.04   | ug/l   | 95       |
| 25) 2-Butanone               | 7.335          | 43   | 78199      | 23.64  | ug/l   | 92       |
| 26) 2,2-Dichloropropane      | 7.332          | 77   | 41756      | 4.99   | ug/l   | 95       |
| 27) cis-1,2-Dichloroethene   | 7.329          | 96   | 29168      | 5.09   | ug/l   | 87       |
| 28) Bromochloromethane       | 7.659          | 49   | 21446      | 5.18   | ug/l # | 79       |
| 29) Tetrahydrofuran          | 7.686          | 42   | 44256      | 21.71  | ug/l   | 90       |
| 30) Chloroform               | 7.817          | 83   | 51761      | 4.96   | ug/l   | 95       |
| 31) Cyclohexane              | 8.094          | 56   | 49860      | 6.67   | ug/l # | 78       |
| 32) 1,1,1-Trichloroethane    | 8.016          | 97   | 44788      | 4.83   | ug/l # | 83       |
| 36) 1,1-Dichloropropene      | 8.222          | 75   | 34984      | 5.14   | ug/l   | 94       |
| 37) Ethyl Acetate            | 7.412          | 43   | 27257      | 4.22   | ug/l # | 80       |
| 38) Carbon Tetrachloride     | 8.209          | 117  | 40742      | 5.05   | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.464          | 83   | 40355      | 5.16   | ug/l   | 96       |
| 40) Benzene                  | 8.461          | 78   | 107815     | 5.20   | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100621\  
 Data File : VN068813.D  
 Acq On : 6 Oct 2021 12:26  
 Operator : JC/MD  
 Sample : VSTDIC005  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 10/7/2021 5:34:15 PM

Quant Time: Oct 06 13:47:52 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100621W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 06 13:47:13 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.640  | 41   | 14329    | 4.66   | ug/l # | 86       |
| 42) 1,2-Dichloroethane        | 8.531  | 62   | 42921    | 5.27   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.558  | 43   | 52235    | 4.43   | ug/l   | 95       |
| 44) Trichloroethene           | 9.215  | 130  | 27434    | 4.98   | ug/l   | 87       |
| 45) 1,2-Dichloropropane       | 9.494  | 63   | 26219    | 4.89   | ug/l   | 96       |
| 46) Dibromomethane            | 9.579  | 93   | 21052    | 5.13   | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.762  | 83   | 38822    | 4.70   | ug/l # | 94       |
| 48) Methyl methacrylate       | 9.561  | 41   | 22111    | 4.46   | ug/l   | 87       |
| 49) 1,4-Dioxane               | 9.571  | 88   | 10262    | 123.96 | ug/l # | 83       |
| 51) 4-Methyl-2-Pentanone      | 10.330 | 43   | 160772   | 22.47  | ug/l   | 99       |
| 52) Toluene                   | 10.507 | 92   | 68392    | 4.97   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.722 | 75   | 37545    | 4.52   | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.191 | 75   | 40116    | 4.58   | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 10.899 | 97   | 27255    | 4.63   | ug/l   | 93       |
| 56) Ethyl methacrylate        | 10.762 | 69   | 32340    | 4.17   | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 11.046 | 76   | 43984    | 4.78   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.043 | 63   | 39355    | 25.26  | ug/l   | 91       |
| 59) 2-Hexanone                | 11.087 | 43   | 120673   | 24.43  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.240 | 129  | 28699    | 4.64   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.347 | 107  | 27880    | 4.85   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.977 | 164  | 25617    | 5.13   | ug/l   | 95       |
| 65) Chlorobenzene             | 11.771 | 112  | 77466    | 5.06   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.843 | 131  | 27153    | 4.59   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.846 | 91   | 130205   | 4.84   | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.956 | 106  | 98445    | 9.85   | ug/l   | 86       |
| 69) o-Xylene                  | 12.283 | 106  | 47447    | 4.79   | ug/l   | 84       |
| 70) Styrene                   | 12.296 | 104  | 73494    | 4.67   | ug/l   | 93       |
| 71) Bromoform                 | 12.457 | 173  | 18319    | 4.38   | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.581 | 105  | 121681   | 5.18   | ug/l   | 97       |
| 74) N-amyl acetate            | 12.390 | 43   | 40216    | 5.35   | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.830 | 83   | 37860    | 5.26   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.884 | 75   | 31171m   | 5.32   | ug/l   |          |
| 77) Bromobenzene              | 12.865 | 156  | 27808    | 5.20   | ug/l   | 73       |
| 78) n-propylbenzene           | 12.921 | 91   | 136900   | 5.16   | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 13.010 | 91   | 83439    | 5.41   | ug/l   | 91       |
| 80) 1,3,5-Trimethylbenzene    | 13.061 | 105  | 98031    | 5.24   | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.631 | 75   | 9376     | 4.69   | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 13.109 | 91   | 81884    | 5.30   | ug/l   | 93       |
| 83) tert-Butylbenzene         | 13.326 | 119  | 85604    | 5.17   | ug/l   | 89       |
| 84) 1,2,4-Trimethylbenzene    | 13.372 | 105  | 92777    | 5.07   | ug/l   | 92       |
| 85) sec-Butylbenzene          | 13.503 | 105  | 121224   | 5.10   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.618 | 119  | 93321    | 4.96   | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.618 | 146  | 50827    | 5.13   | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene       | 13.696 | 146  | 53703    | 5.46   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.943 | 91   | 82971    | 5.02   | ug/l   | 97       |
| 90) Hexachloroethane          | 14.211 | 117  | 18999    | 4.94   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.991 | 146  | 50059    | 5.23   | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.603 | 75   | 6032     | 4.91   | ug/l   | 70       |
| 93) 1,2,4-Trichlorobenzene    | 15.268 | 180  | 24722    | 5.81   | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 15.375 | 225  | 12916    | 5.29   | ug/l   | 98       |
| 95) Naphthalene               | 15.509 | 128  | 64352    | 6.19   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.700 | 180  | 24552    | 6.01   | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100621\  
Data File : VN068813.D  
Acq On : 6 Oct 2021 12:26  
Operator : JC/MD  
Sample : VSTDIC005  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Manual Integrations  
APPROVED

MMDadoda  
10/7/2021 5:34:15 PM

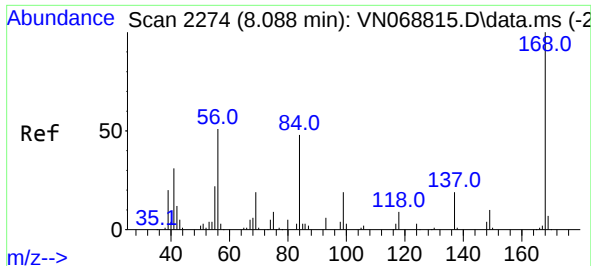
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100621W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 06 13:47:13 2021  
Response via : Initial Calibration

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

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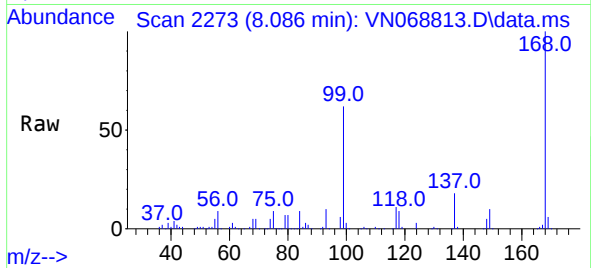
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 8.086 min Scan# 2273  
Delta R.T. -0.002 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

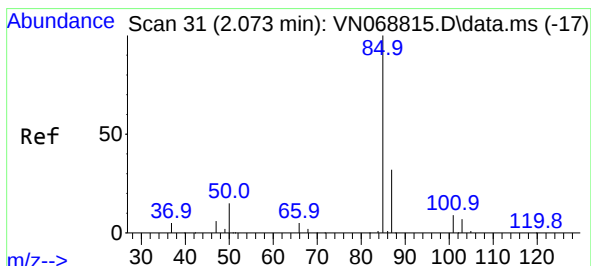
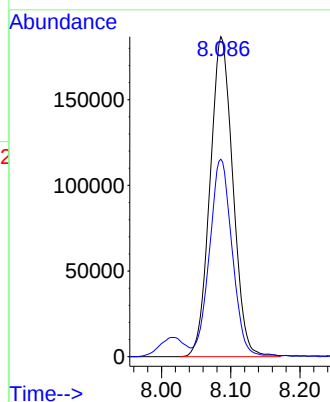
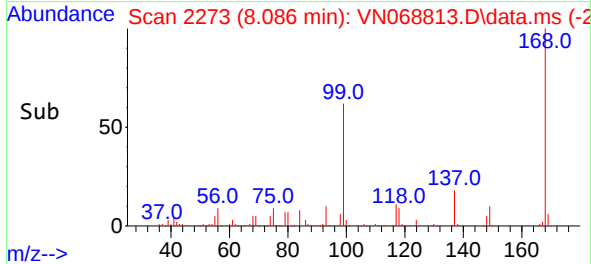
Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC005



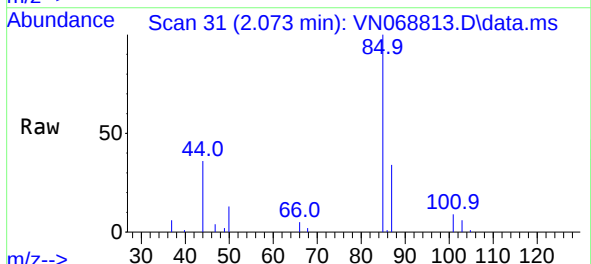
Tgt Ion:168 Resp: 428654  
Ion Ratio Lower Upper  
168 100  
99 61.4 62.9 94.3#

Manual Integrations  
APPROVED

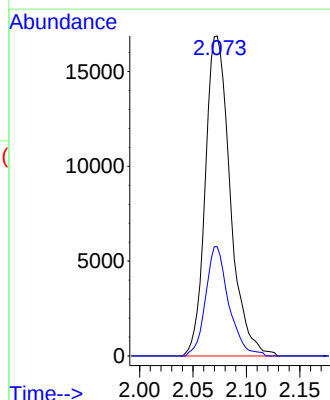
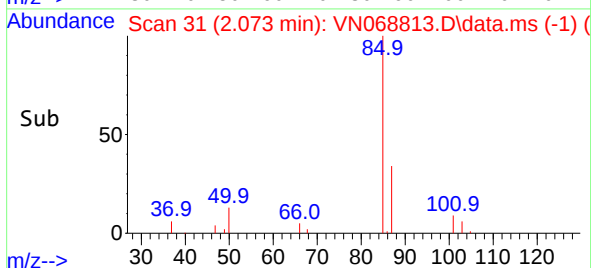
MMDadoda  
10/7/2021 5:34:15 PM

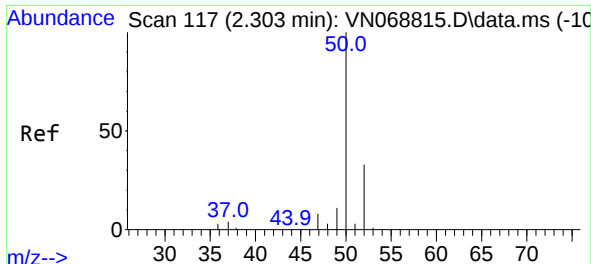


#2  
Dichlorodifluoromethane  
Concen: 5.91 ug/l  
RT: 2.073 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26



Tgt Ion: 85 Resp: 27293  
Ion Ratio Lower Upper  
85 100  
87 34.1 16.1 48.2





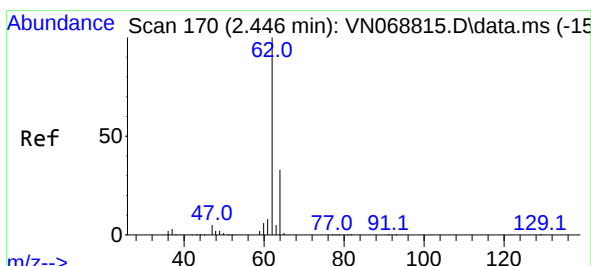
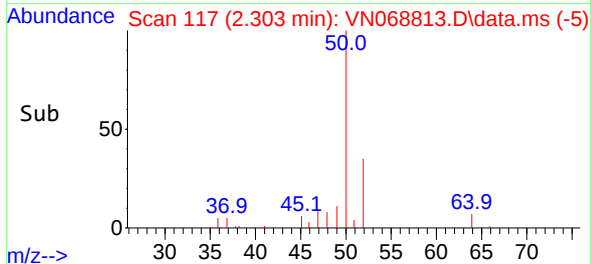
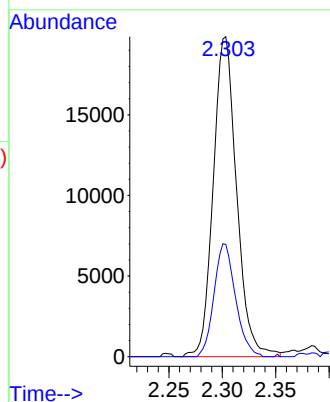
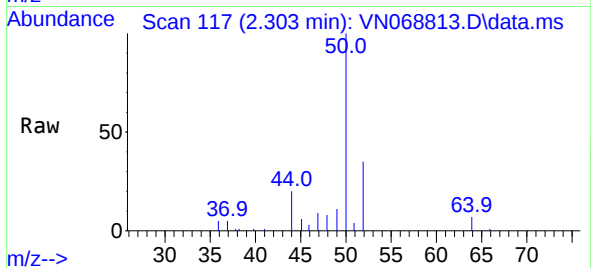
#3  
Chloromethane  
Concen: 5.90 ug/l  
RT: 2.303 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 50 Resp: 30165  
Ion Ratio Lower Upper  
50 100  
52 35.1 25.6 38.4

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

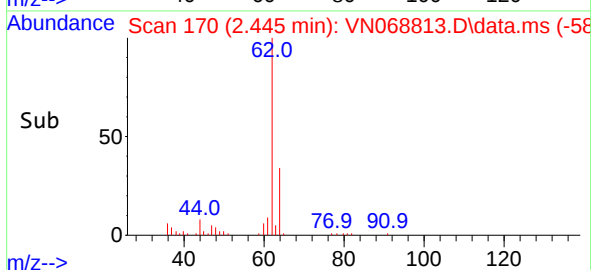
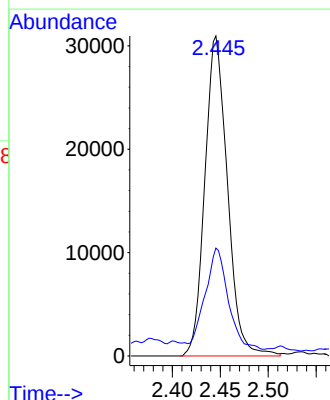
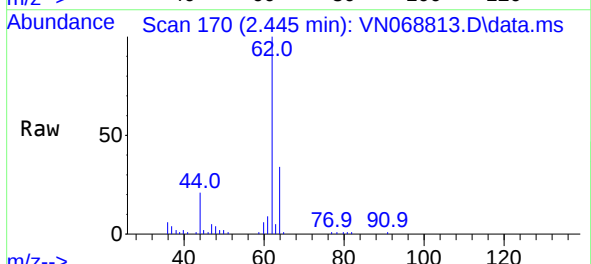
Manual Integrations  
APPROVED

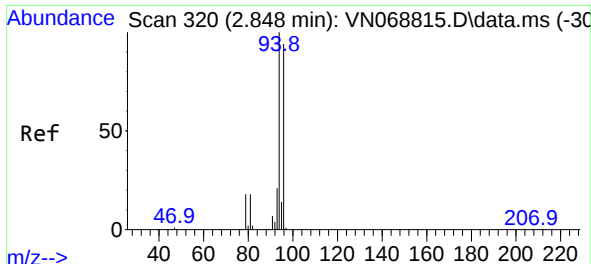
MMDadoda  
10/7/2021 5:34:15 PM



#4  
Vinyl Chloride  
Concen: 5.38 ug/l  
RT: 2.445 min Scan# 170  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 62 Resp: 50835  
Ion Ratio Lower Upper  
62 100  
64 30.5 24.4 36.6





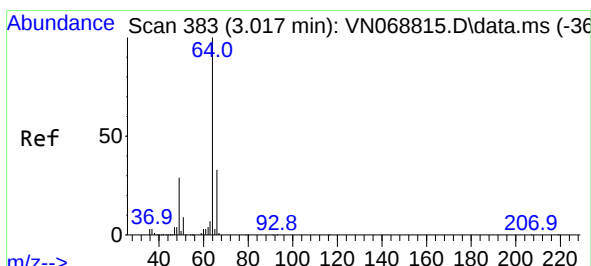
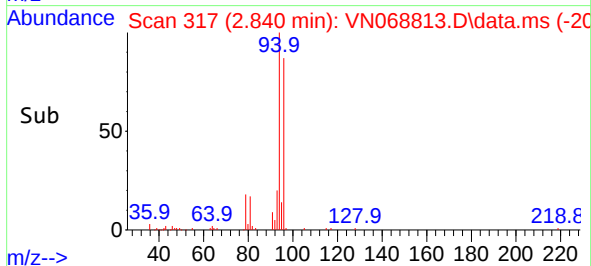
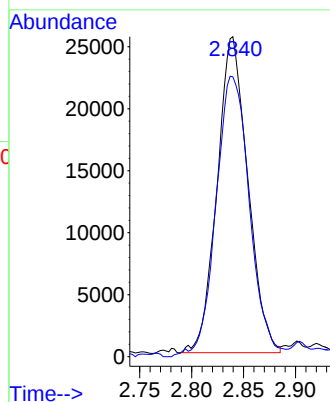
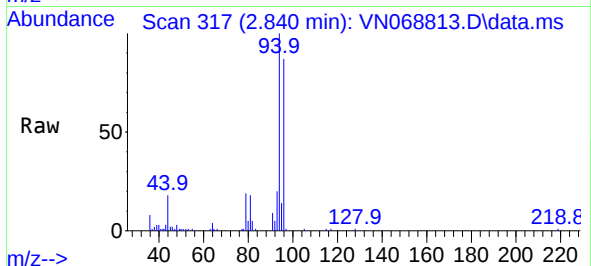
#5  
Bromomethane  
Concen: 6.70 ug/l  
RT: 2.840 min Scan# 317  
Delta R.T. -0.008 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 94 Resp: 52445  
Ion Ratio Lower Upper  
94 100  
96 87.5 73.7 110.5

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

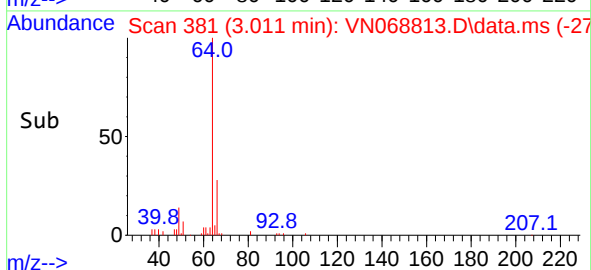
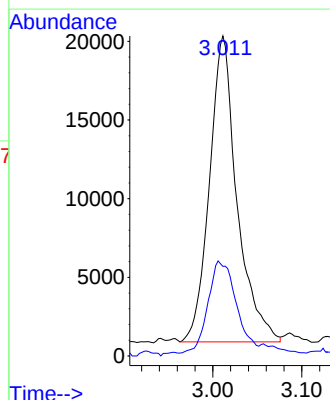
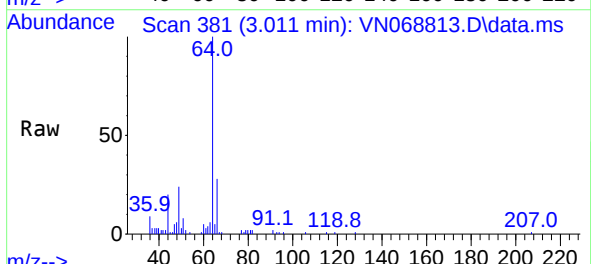
Manual Integrations  
APPROVED

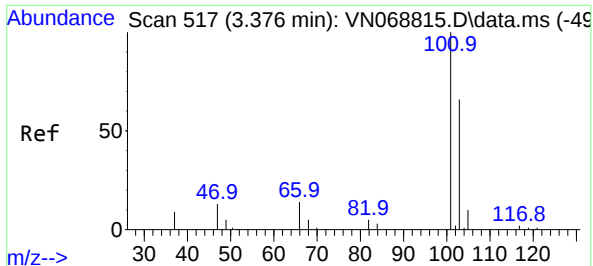
MMDadoda  
10/7/2021 5:34:15 PM



#6  
Chloroethane  
Concen: 5.24 ug/l  
RT: 3.011 min Scan# 381  
Delta R.T. -0.006 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 64 Resp: 41778  
Ion Ratio Lower Upper  
64 100  
66 28.3 24.7 37.1





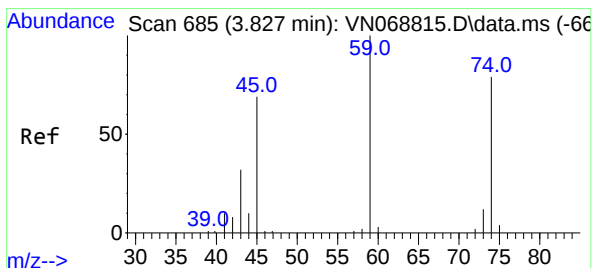
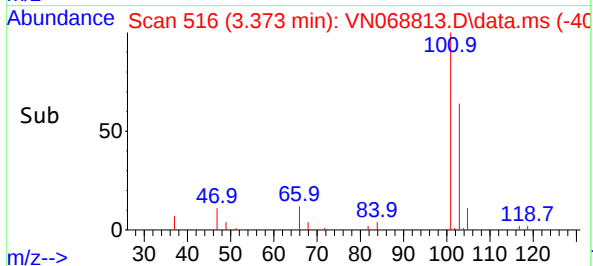
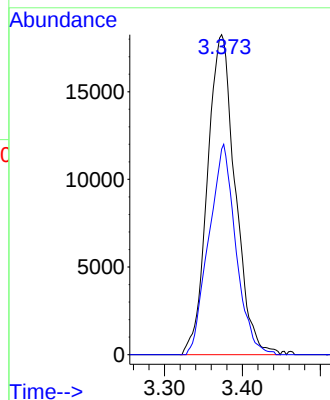
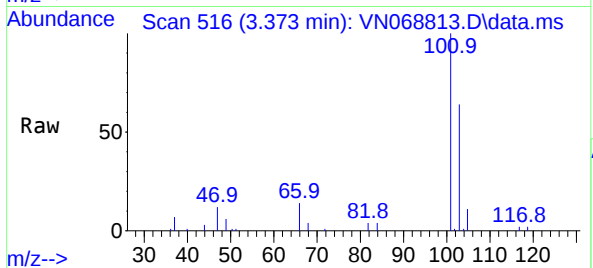
#7  
Trichlorofluoromethane  
Concen: 5.56 ug/l  
RT: 3.373 min Scan# 516  
Delta R.T. -0.003 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion:101 Resp: 45303  
Ion Ratio Lower Upper  
101 100  
103 64.3 51.2 76.8

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

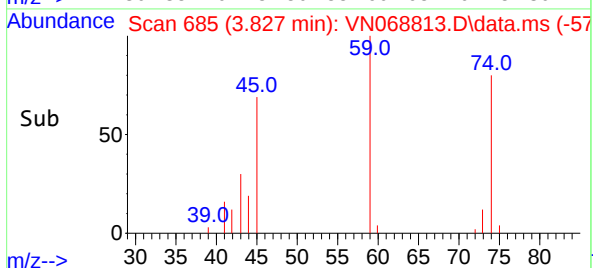
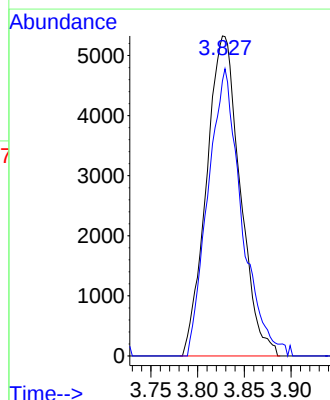
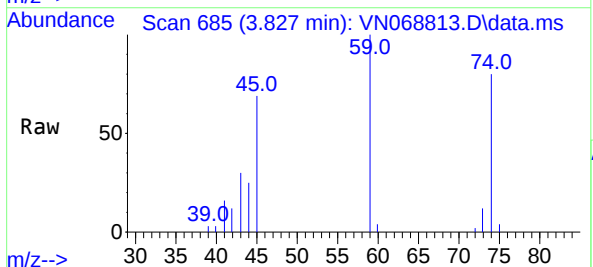
Manual Integrations  
APPROVED

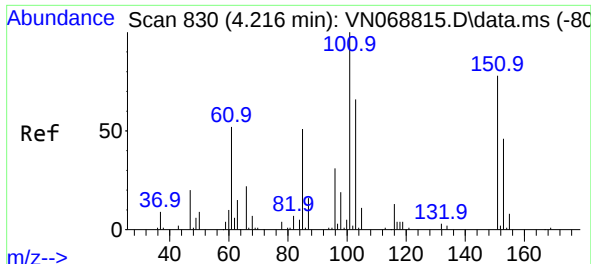
MMDadoda  
10/7/2021 5:34:15 PM



#8  
Diethyl Ether  
Concen: 5.20 ug/l  
RT: 3.827 min Scan# 685  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 74 Resp: 13352  
Ion Ratio Lower Upper  
74 100  
45 89.7 50.2 150.7





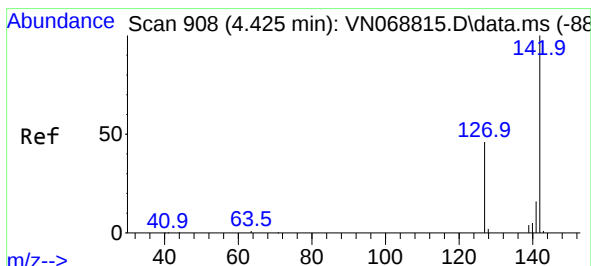
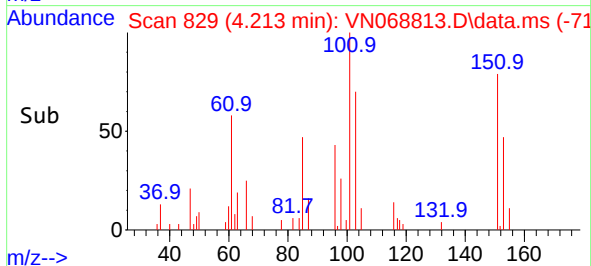
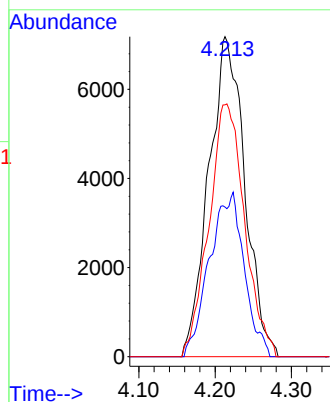
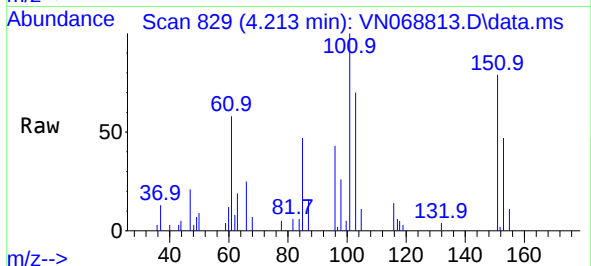
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 5.06 ug/l  
RT: 4.213 min Scan# 829  
Delta R.T. -0.003 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 23501 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 26.4  | 39.6  | 59.4# |
| 151      | 78.5  | 54.1  | 81.1  |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

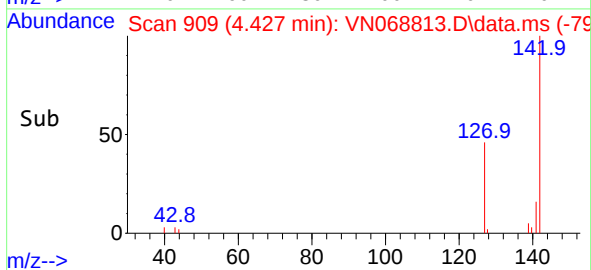
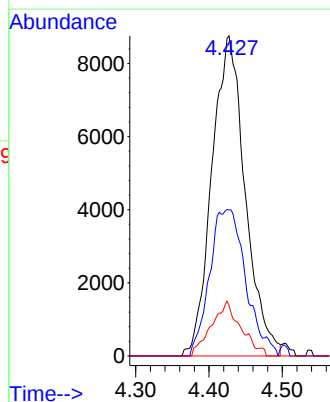
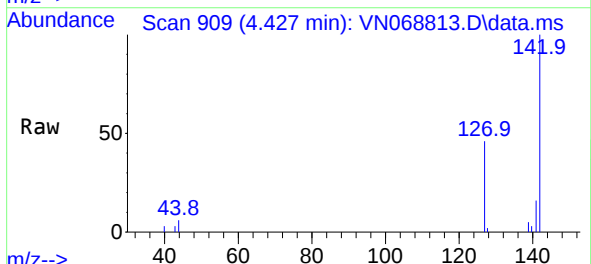
Manual Integrations  
APPROVED

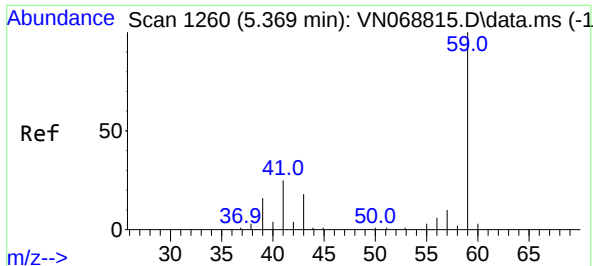
MMDadoda  
10/7/2021 5:34:15 PM



#10  
Methyl Iodide  
Concen: 6.75 ug/l  
RT: 4.427 min Scan# 909  
Delta R.T. 0.002 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 27619 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 49.6  | 43.1  | 64.7  |
| 141      | 14.7  | 11.4  | 17.0  |





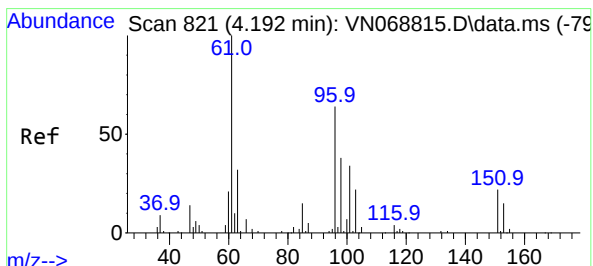
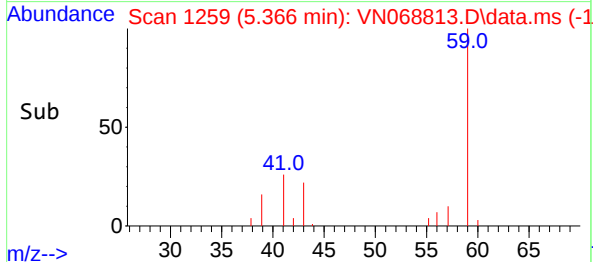
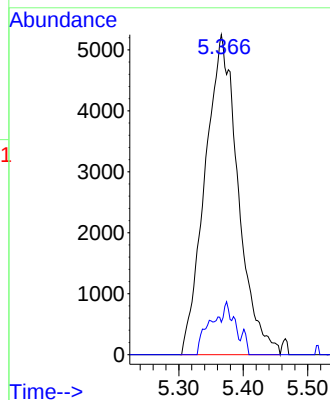
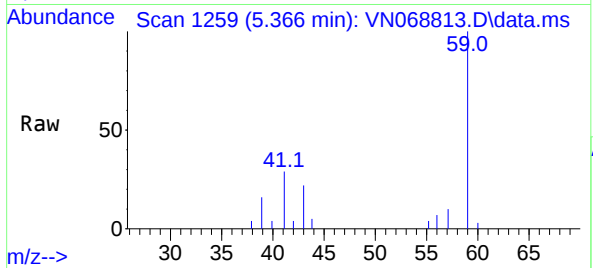
#11  
Tert butyl alcohol  
Concen: 23.57 ug/l  
RT: 5.366 min Scan# 1259  
Delta R.T. -0.003 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 59 Resp: 18742  
Ion Ratio Lower Upper  
59 100  
57 5.4 8.7 13.1#

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

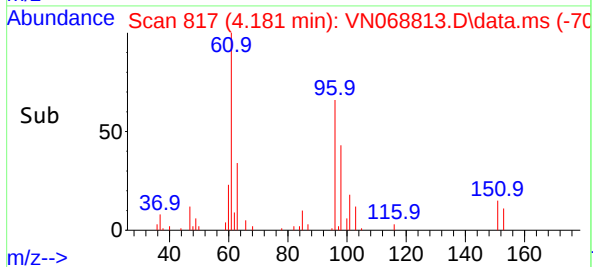
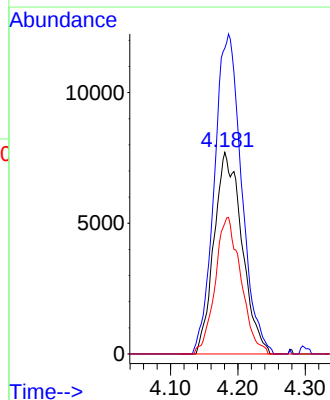
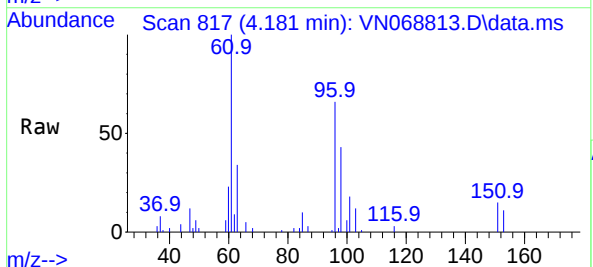
Manual Integrations  
APPROVED

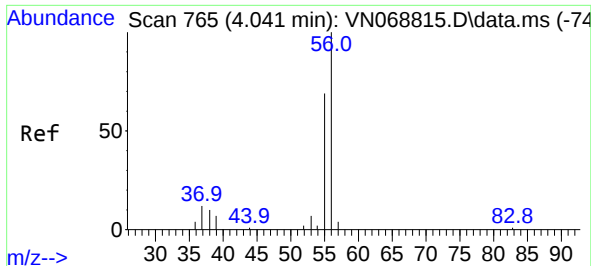
MMDadoda  
10/7/2021 5:34:15 PM



#12  
1,1-Dichloroethene  
Concen: 5.58 ug/l m  
RT: 4.181 min Scan# 817  
Delta R.T. -0.011 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 96 Resp: 22187  
Ion Ratio Lower Upper  
96 100  
61 151.7 152.6 229.0#  
98 64.9 50.9 76.3





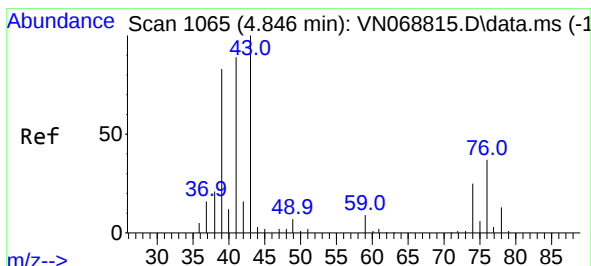
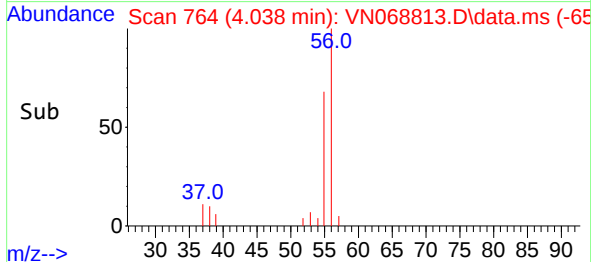
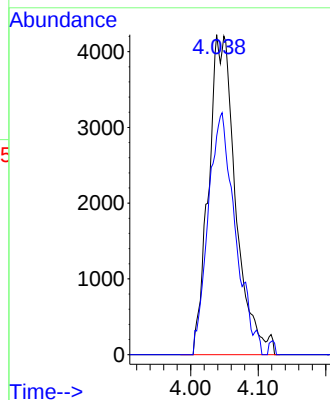
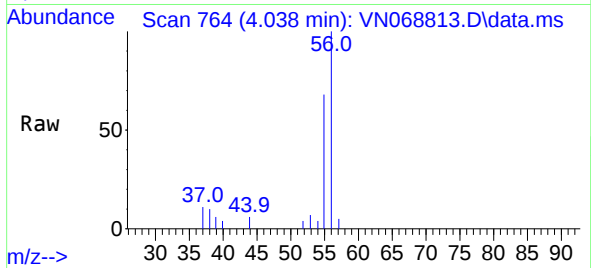
#13  
Acrolein  
Concen: 59.66 ug/l m  
RT: 4.038 min Scan# 764  
Delta R.T. -0.003 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 56 Resp: 11730  
Ion Ratio Lower Upper  
56 100  
55 74.1 57.4 86.0

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

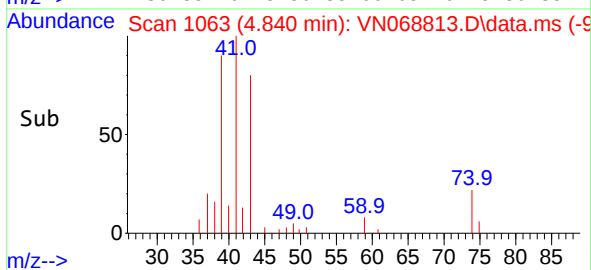
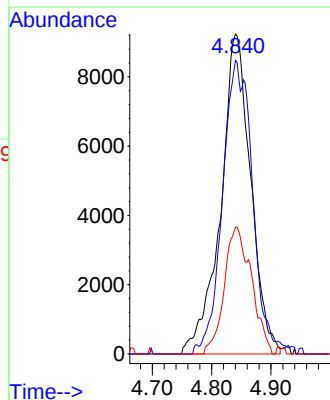
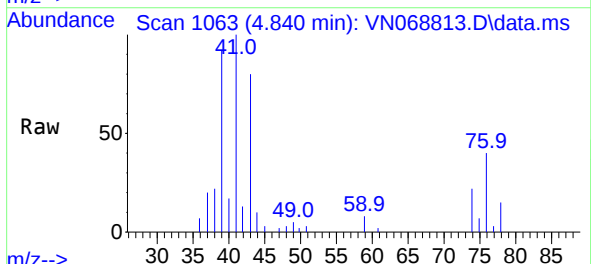
Manual Integrations  
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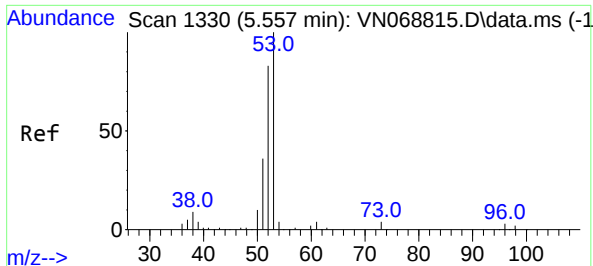
MMDadoda  
10/7/2021 5:34:15 PM



#14  
Allyl chloride  
Concen: 5.25 ug/l  
RT: 4.840 min Scan# 1063  
Delta R.T. -0.006 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 41 Resp: 32524  
Ion Ratio Lower Upper  
41 100  
39 50.8 60.9 91.3#  
76 35.9 24.3 36.5





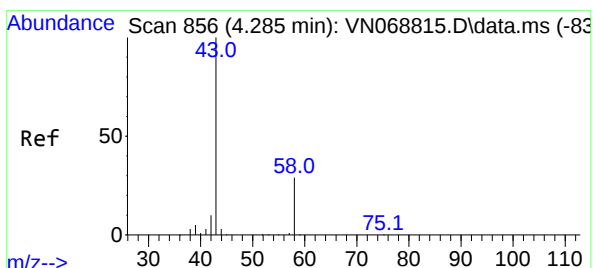
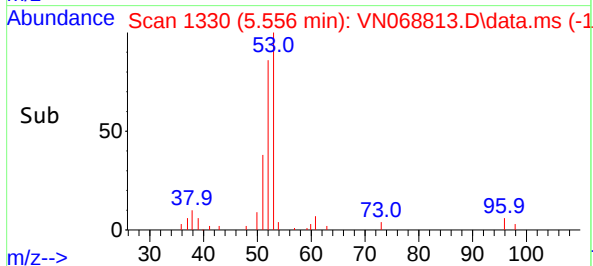
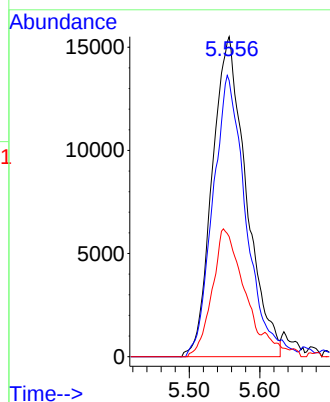
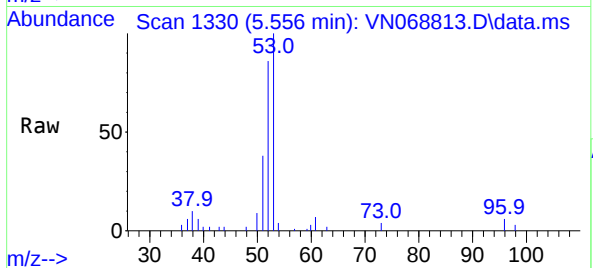
#15  
Acrylonitrile  
Concen: 23.34 ug/l  
RT: 5.556 min Scan# 1330  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 51892 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 85.8  | 66.2  | 99.2  |
| 51       | 36.0  | 30.2  | 45.4  |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

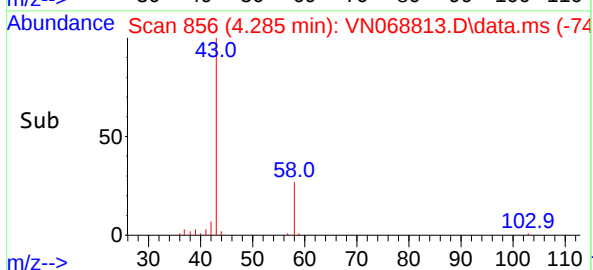
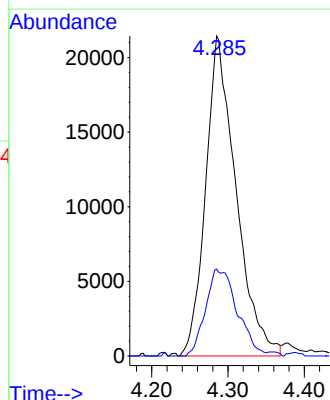
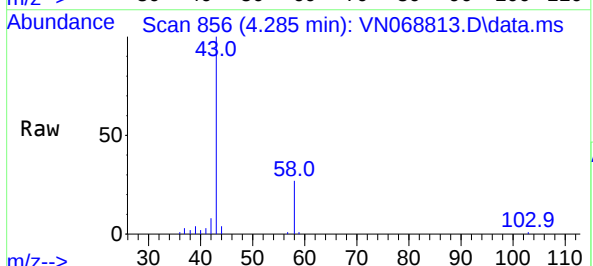
Manual Integrations  
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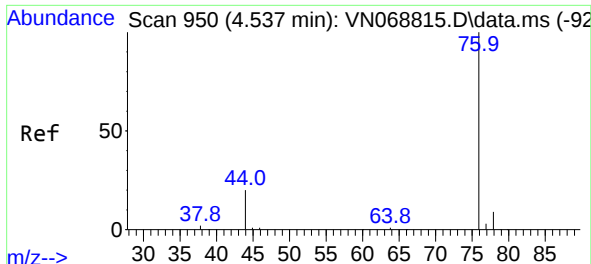
MMDadoda  
10/7/2021 5:34:15 PM



#16  
Acetone  
Concen: 8.53 ug/l  
RT: 4.285 min Scan# 856  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 59253 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 27.2  | 21.2  | 31.8  |





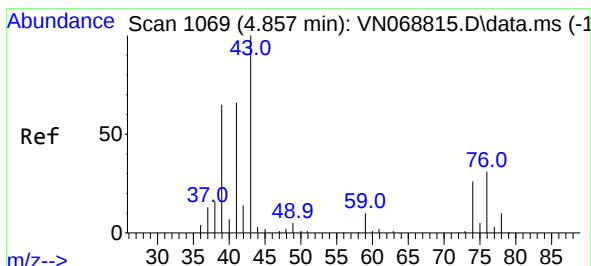
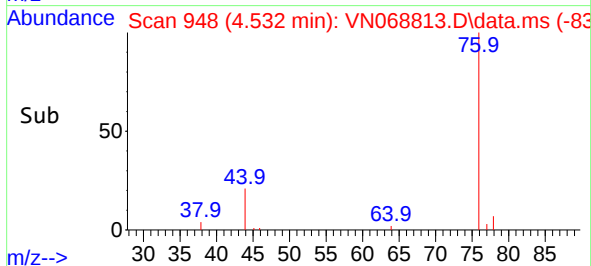
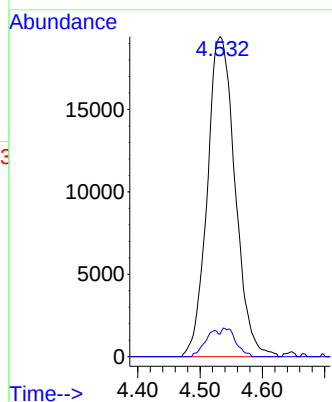
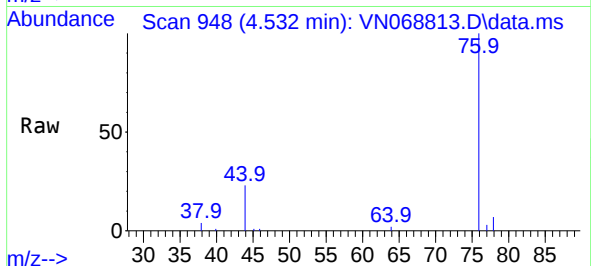
#17  
Carbon Disulfide  
Concen: 6.81 ug/l  
RT: 4.532 min Scan# 948  
Delta R.T. -0.006 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Tgt Ion: 76 Resp: 60182  
Ion Ratio Lower Upper  
76 100  
78 7.0 7.7 11.5#

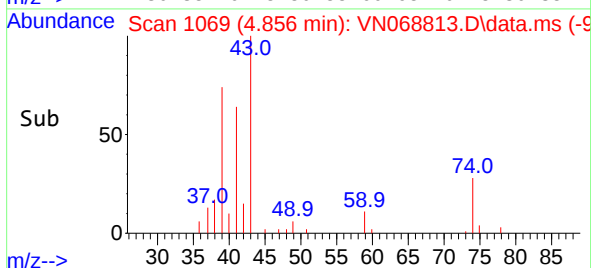
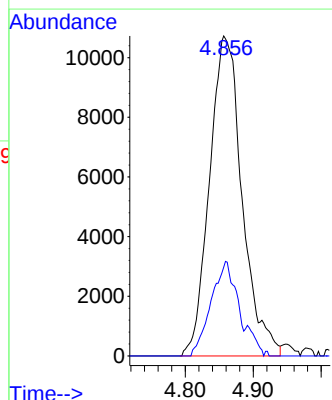
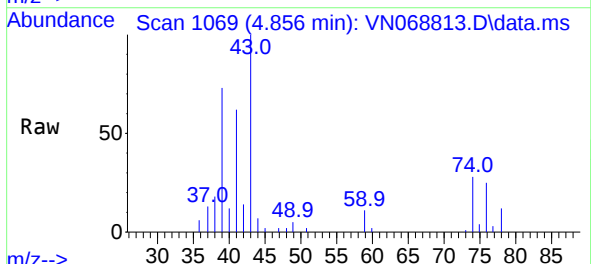
Manual Integrations  
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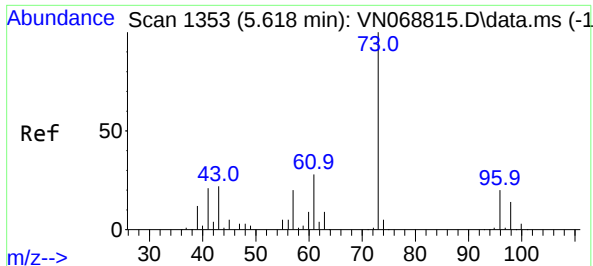
MMDadoda  
10/7/2021 5:34:15 PM



#18  
Methyl Acetate  
Concen: 5.02 ug/l  
RT: 4.856 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 43 Resp: 35710  
Ion Ratio Lower Upper  
43 100  
74 22.8 17.4 26.0





#19

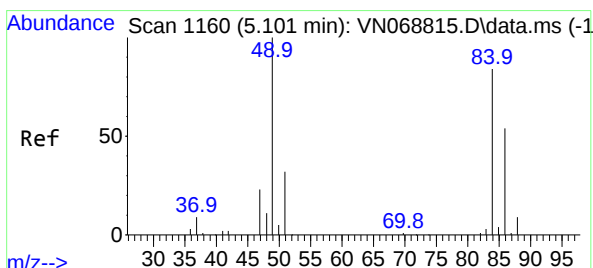
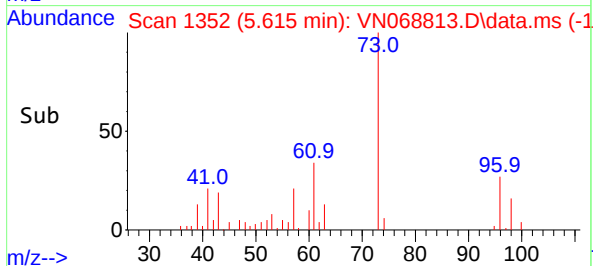
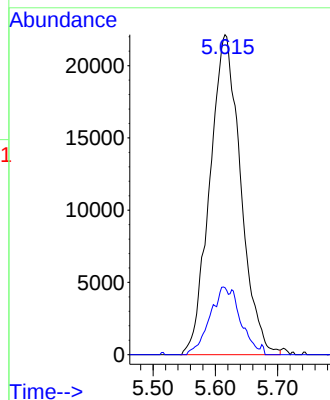
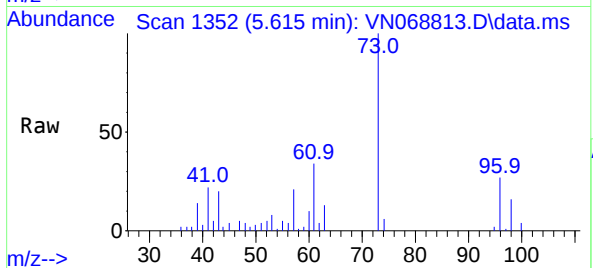
Methyl tert-butyl Ether  
Concen: 4.82 ug/l  
RT: 5.615 min Scan# 1352  
Delta R.T. -0.003 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 73 Resp: 76073  
Ion Ratio Lower Upper  
73 100  
57 20.9 17.0 25.6

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC005

Manual Integrations  
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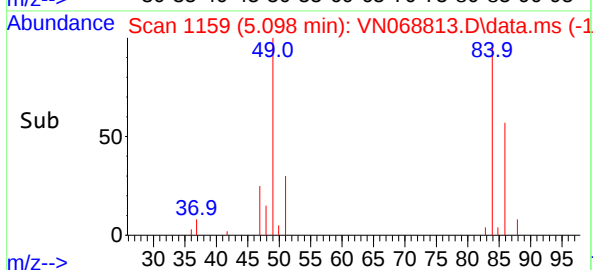
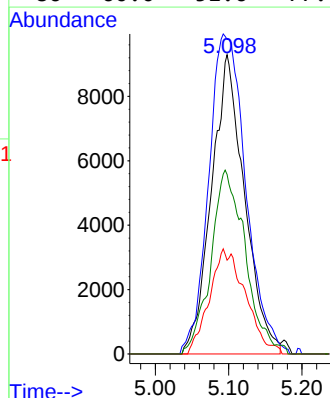
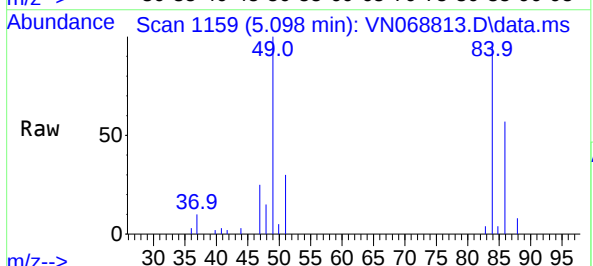
MMDadoda  
10/7/2021 5:34:15 PM

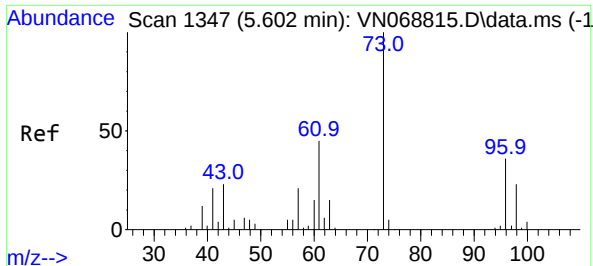


#20

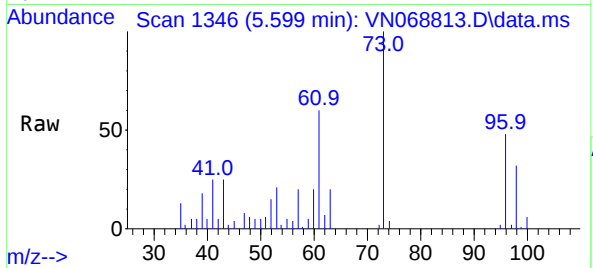
Methylene Chloride  
Concen: 5.65 ug/l  
RT: 5.098 min Scan# 1159  
Delta R.T. -0.003 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 84 Resp: 29089  
Ion Ratio Lower Upper  
84 100  
49 105.1 110.9 166.3#  
51 31.4 32.6 49.0#  
86 60.0 51.6 77.4

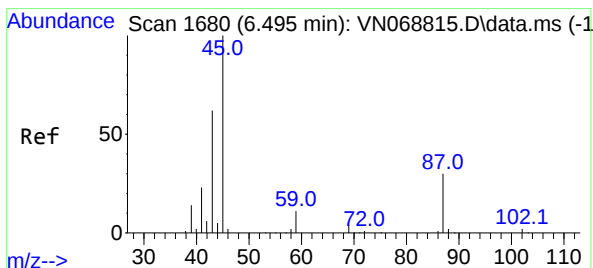
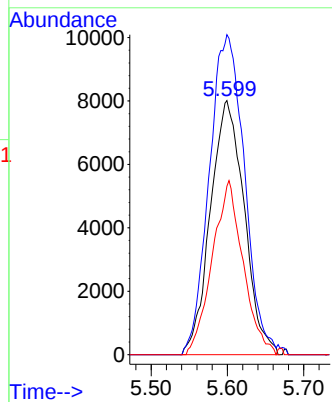
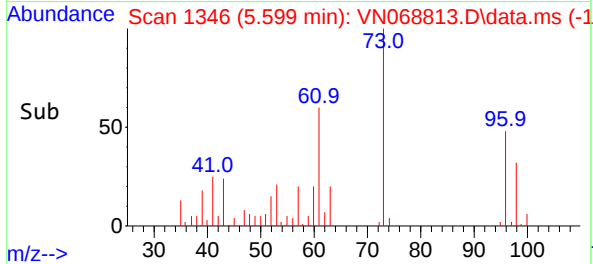




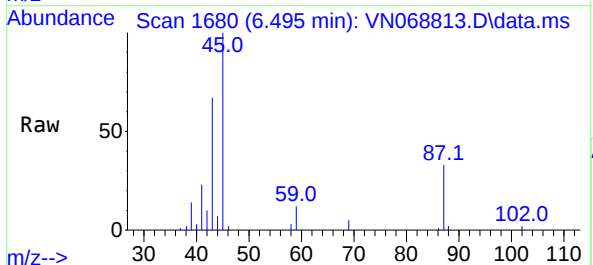
#21  
trans-1,2-Dichloroethene  
Concen: 5.56 ug/l  
RT: 5.599 min Scan# 1346  
Delta R.T. -0.003 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26



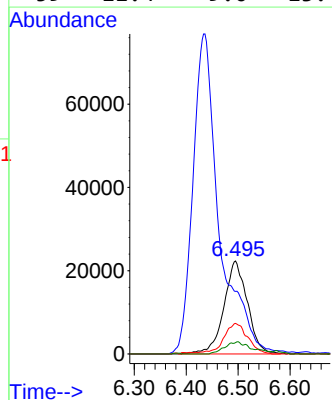
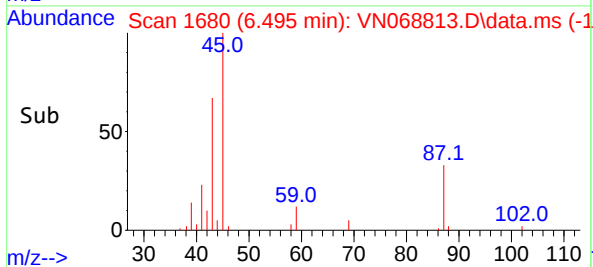
Tgt Ion: 96 Resp: 24713  
Ion Ratio Lower Upper  
96 100  
61 125.9 123.5 185.3  
98 66.3 48.6 72.8



#22  
Diisopropyl ether  
Concen: 4.81 ug/l  
RT: 6.495 min Scan# 1680  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26



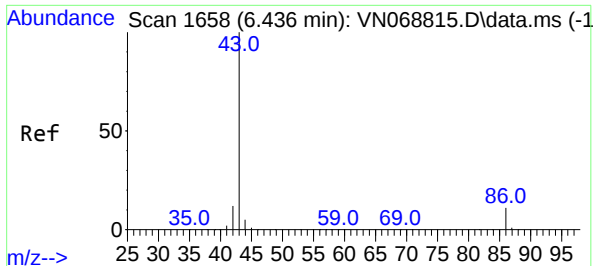
Tgt Ion: 45 Resp: 70240  
Ion Ratio Lower Upper  
45 100  
43 64.0 49.4 74.2  
87 32.8 20.9 31.3#  
59 11.4 9.0 13.4



Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Manual Integrations  
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#23

Vinyl Acetate

Concen: 23.59 ug/l

RT: 6.433 min Scan# 1657

Delta R.T. -0.003 min

Lab File: VN068813.D

Acq: 6 Oct 2021 12:26

Tgt Ion: 43 Resp: 271687

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 10.8  | 7.3   | 10.9  |

Instrument :

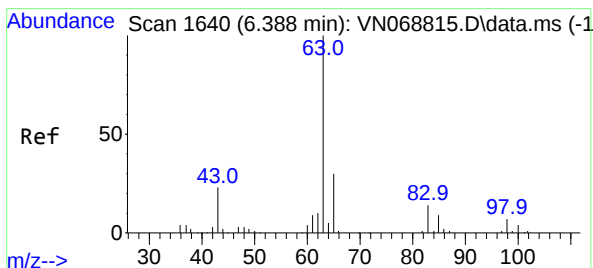
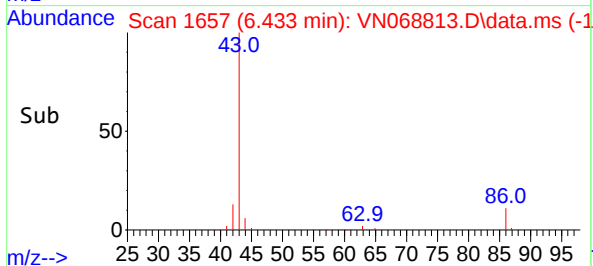
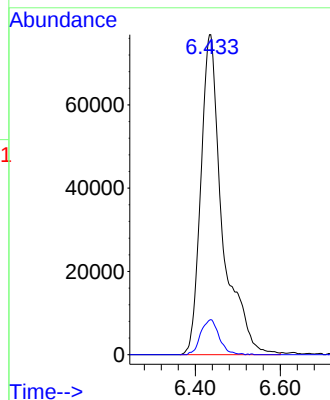
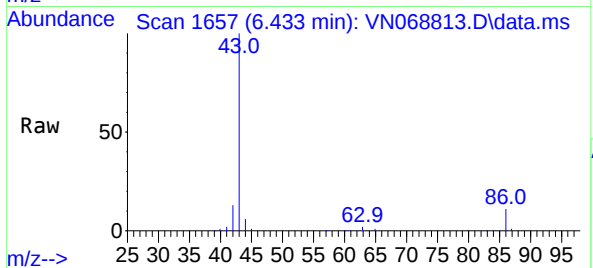
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ClientSampleId :

VSTDIC005

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10/7/2021 5:34:15 PM



#24

1,1-Dichloroethane

Concen: 5.04 ug/l

RT: 6.391 min Scan# 1641

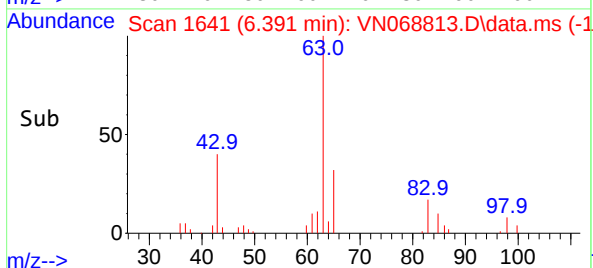
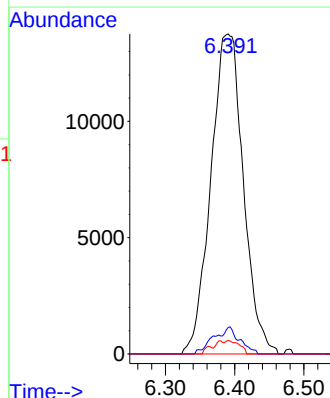
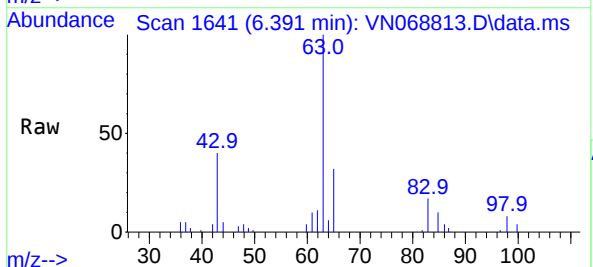
Delta R.T. 0.002 min

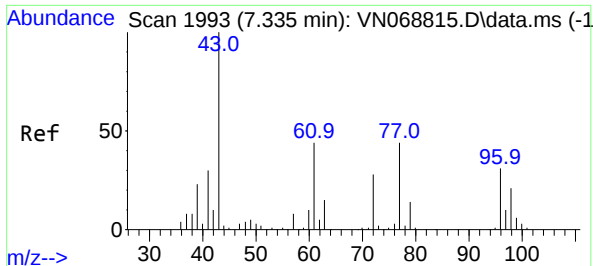
Lab File: VN068813.D

Acq: 6 Oct 2021 12:26

Tgt Ion: 63 Resp: 44832

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 8.3   | 3.0   | 9.0   |
| 100 | 4.2   | 1.9   | 5.7   |





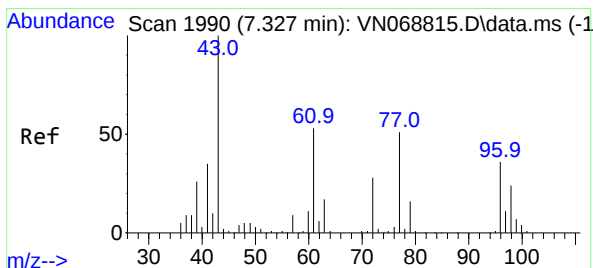
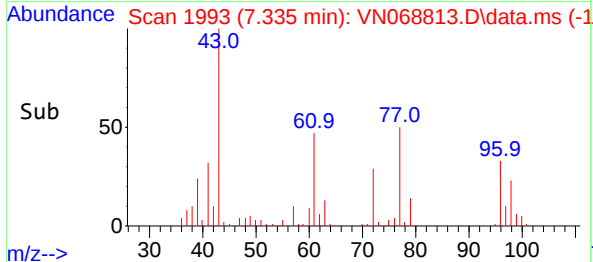
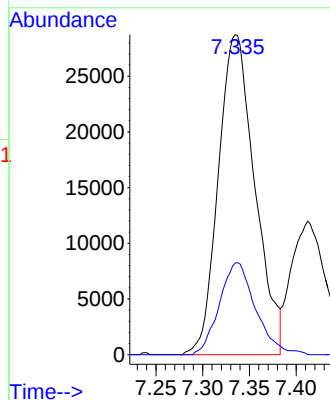
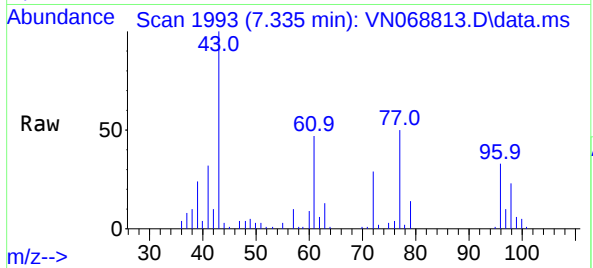
#25  
2-Butanone  
Concen: 23.64 ug/l  
RT: 7.335 min Scan# 1993  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 43 Resp: 78199  
Ion Ratio Lower Upper  
43 100  
72 28.6 19.7 29.5

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC005

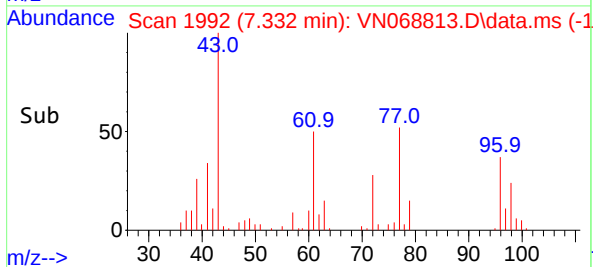
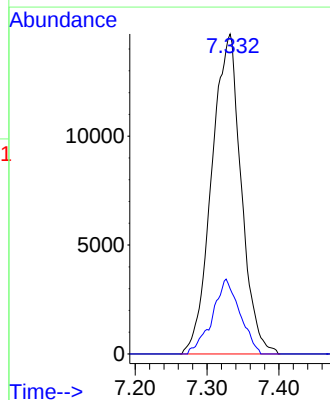
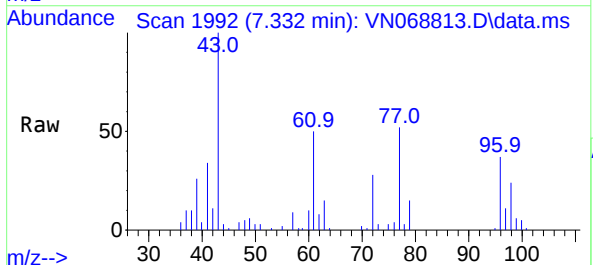
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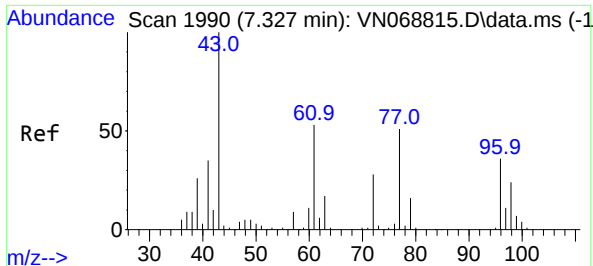
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#26  
2,2-Dichloropropane  
Concen: 4.99 ug/l  
RT: 7.332 min Scan# 1992  
Delta R.T. 0.005 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 77 Resp: 41756  
Ion Ratio Lower Upper  
77 100  
97 21.9 9.8 29.3





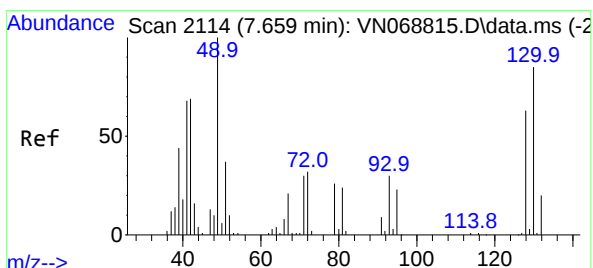
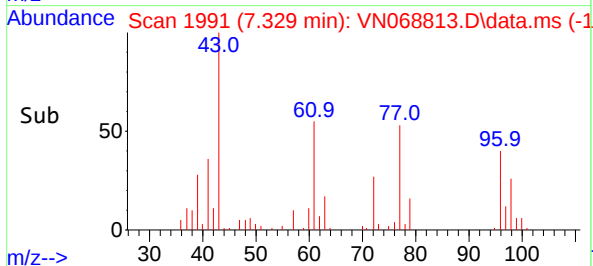
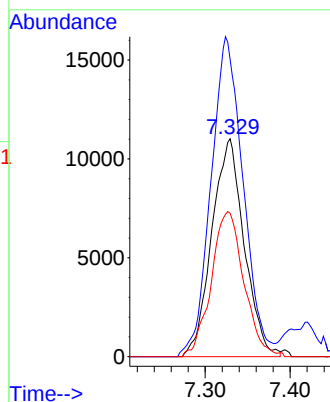
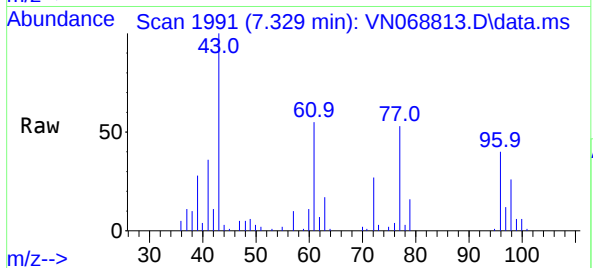
#27  
cis-1,2-Dichloroethene  
Concen: 5.09 ug/l  
RT: 7.329 min Scan# 1991  
Delta R.T. 0.003 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 96 Resp: 29168  
Ion Ratio Lower Upper  
96 100  
61 145.6 0.0 338.8  
98 67.3 0.0 129.8

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

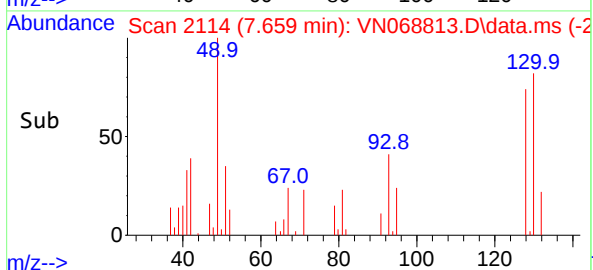
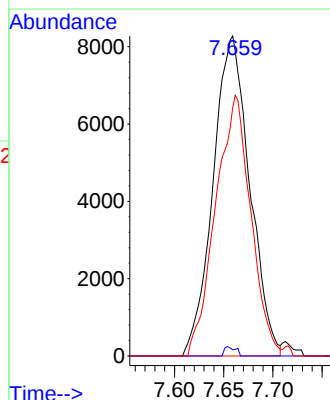
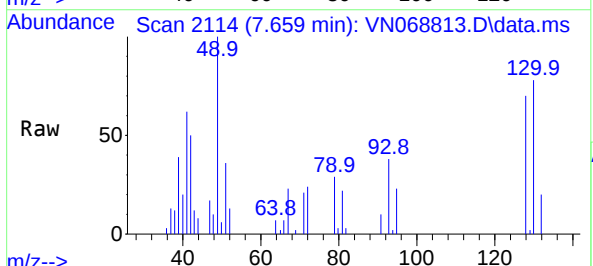
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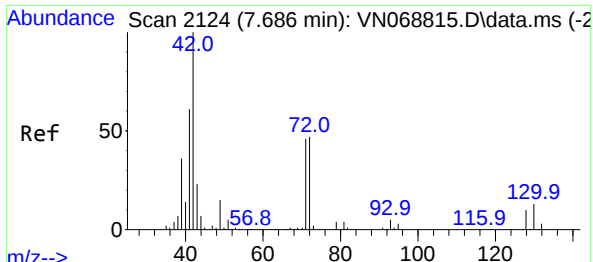
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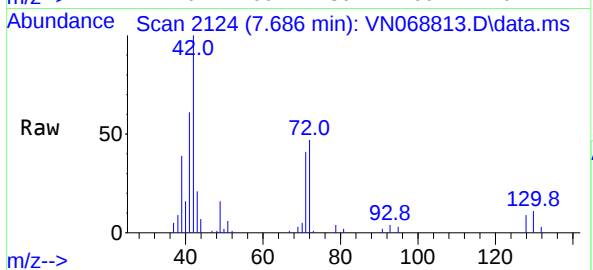
#28  
Bromochloromethane  
Concen: 5.18 ug/l  
RT: 7.659 min Scan# 2114  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 49 Resp: 21446  
Ion Ratio Lower Upper  
49 100  
129 0.9 0.0 3.8  
130 78.3 49.7 74.5#



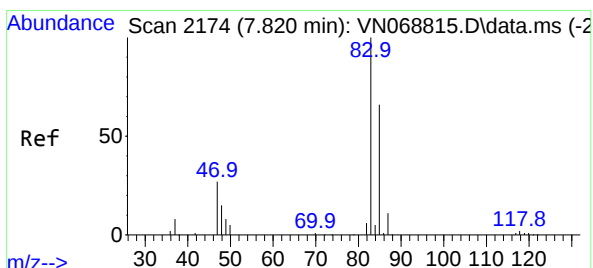
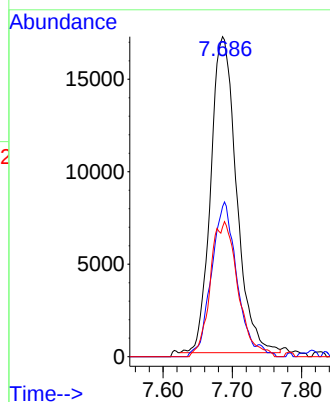
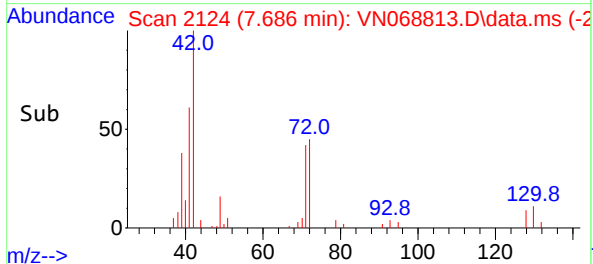


#29  
Tetrahydrofuran  
Concen: 21.71 ug/l  
RT: 7.686 min Scan# 2124  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

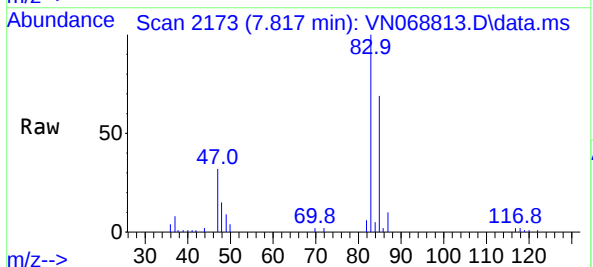


Tgt Ion: 42 Resp: 44256

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 72  | 47.1  | 32.8  | 49.2  |
| 71  | 45.8  | 31.2  | 46.8  |

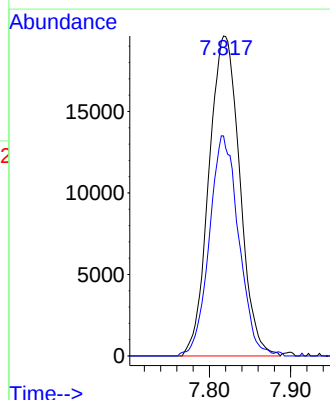
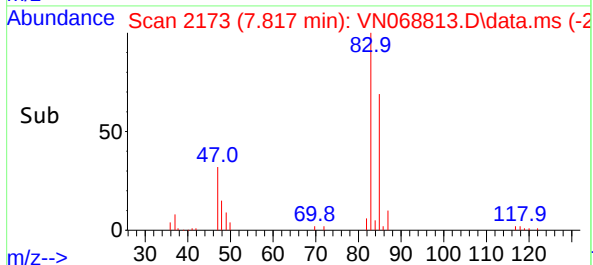


#30  
Chloroform  
Concen: 4.96 ug/l  
RT: 7.817 min Scan# 2173  
Delta R.T. -0.003 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26



Tgt Ion: 83 Resp: 51761

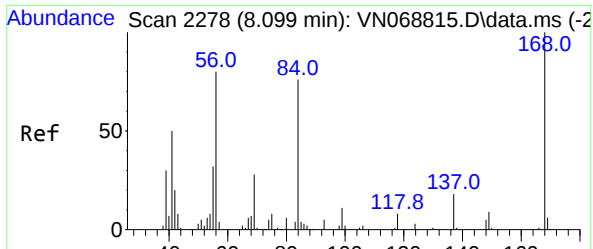
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 68.0  | 51.5  | 77.3  |



Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

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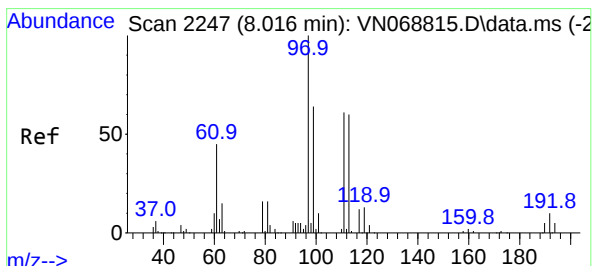
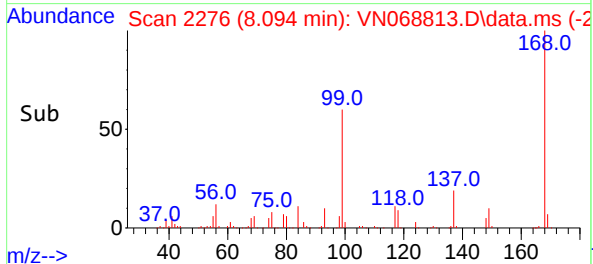
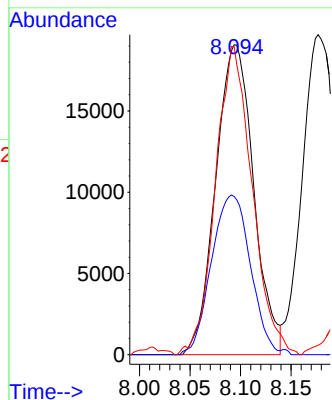
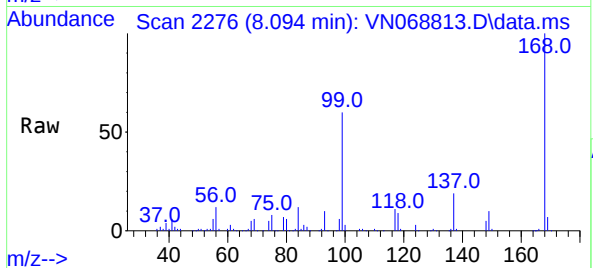
#31  
Cyclohexane  
Concen: 6.67 ug/l  
RT: 8.094 min Scan# 2276  
Delta R.T. -0.006 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 56 Resp: 49860  
Ion Ratio Lower Upper  
56 100  
69 51.0 27.3 40.9#  
84 98.4 64.9 97.3#

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC005

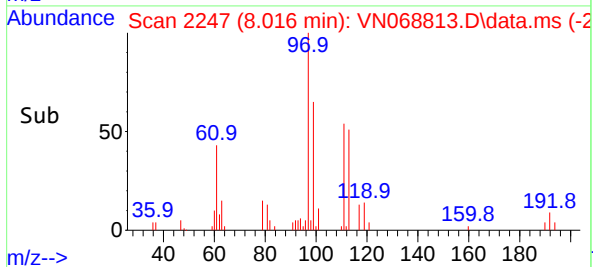
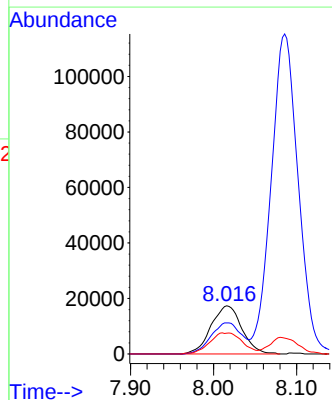
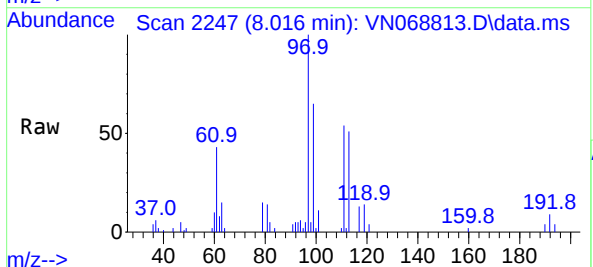
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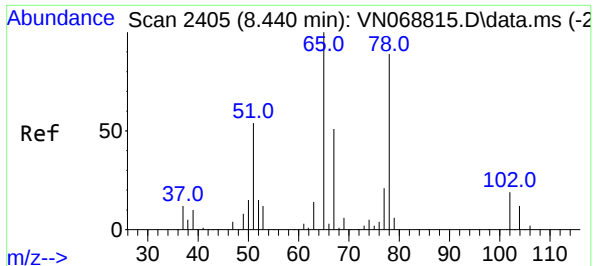
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10/7/2021 5:34:15 PM



#32  
1,1,1-Trichloroethane  
Concen: 4.83 ug/l  
RT: 8.016 min Scan# 2247  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 97 Resp: 44788  
Ion Ratio Lower Upper  
97 100  
99 63.8 50.2 75.2  
61 22.4 38.2 57.2#





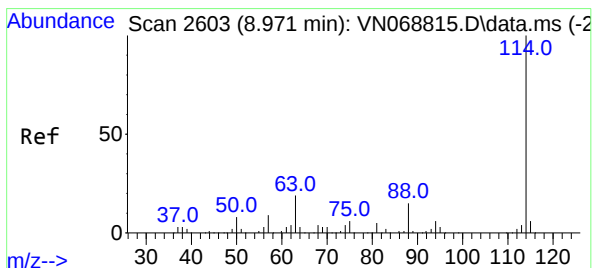
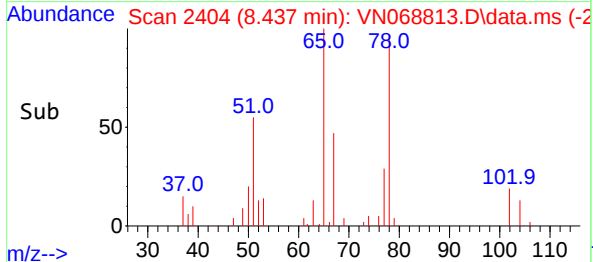
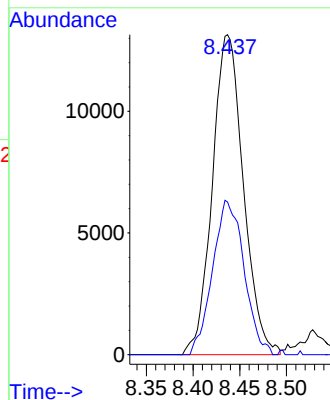
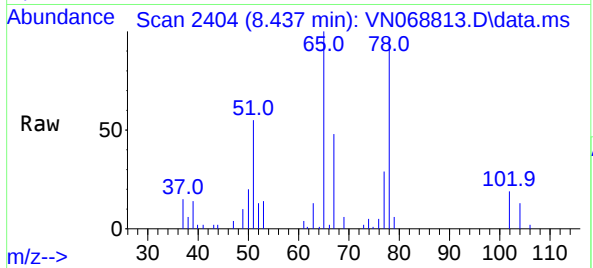
#33  
1,2-Dichloroethane-d4  
Concen: 4.94 ug/l  
RT: 8.437 min Scan# 2404  
Delta R.T. -0.003 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 65 Resp: 30422  
Ion Ratio Lower Upper  
65 100  
67 48.8 0.0 98.6

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

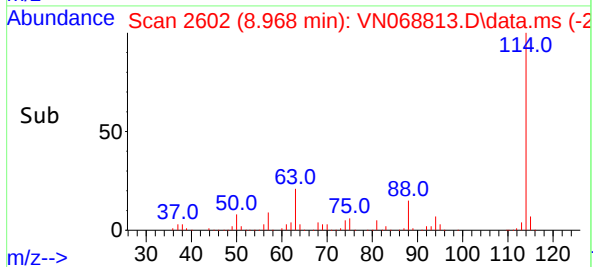
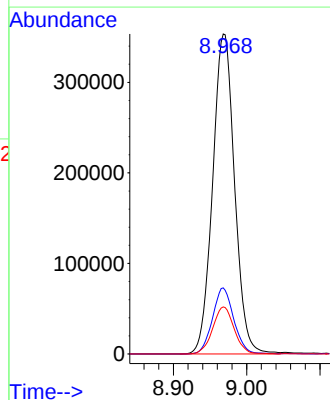
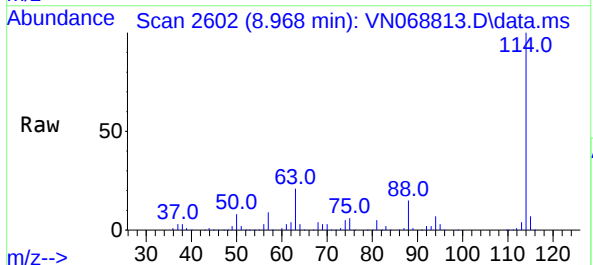
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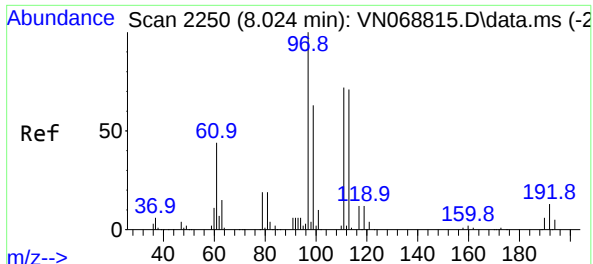
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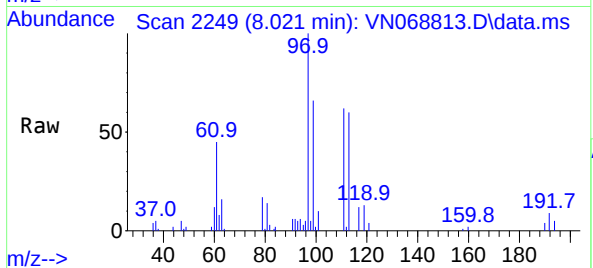
#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.968 min Scan# 2602  
Delta R.T. -0.003 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 114 Resp: 734917  
Ion Ratio Lower Upper  
114 100  
63 20.7 0.0 49.0  
88 14.7 0.0 36.6

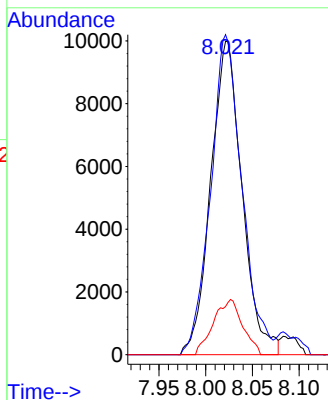
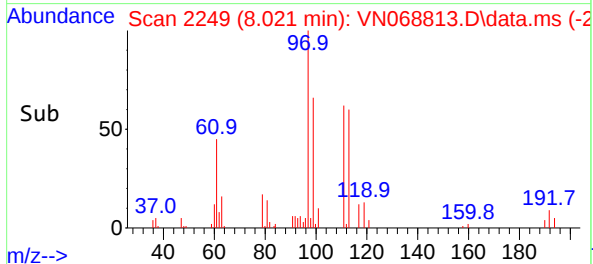




#35  
Dibromofluoromethane  
Concen: 4.98 ug/l  
RT: 8.021 min Scan# 2249  
Delta R.T. -0.003 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26



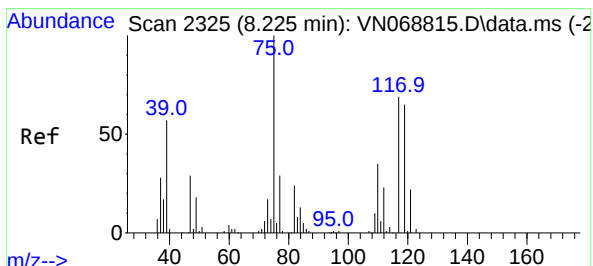
Tgt Ion: 113 Resp: 23308  
Ion Ratio Lower Upper  
113 100  
111 101.9 83.8 125.8  
192 16.4 13.4 20.0



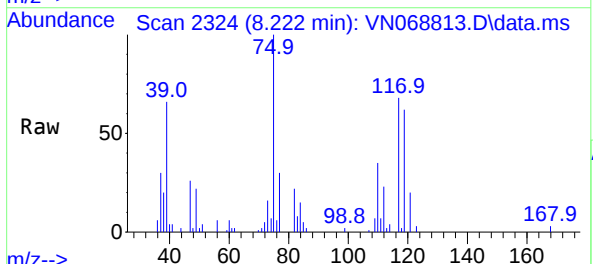
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

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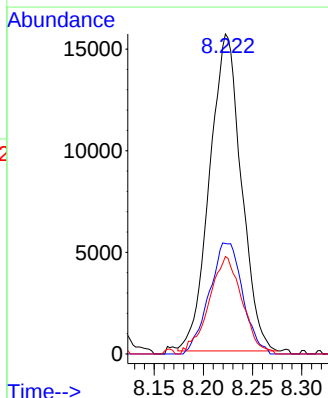
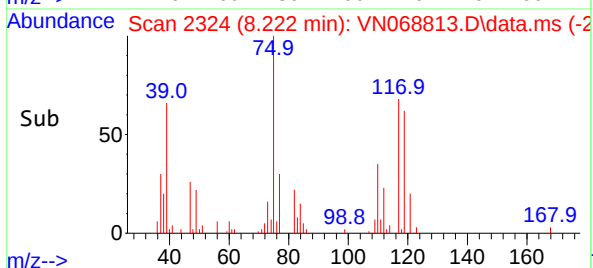
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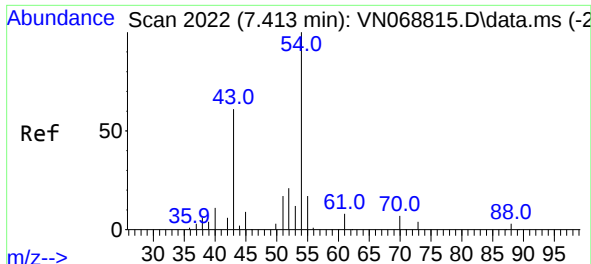


#36  
1,1-Dichloropropene  
Concen: 5.14 ug/l  
RT: 8.222 min Scan# 2324  
Delta R.T. -0.003 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26



Tgt Ion: 75 Resp: 34984  
Ion Ratio Lower Upper  
75 100  
110 36.9 15.7 47.0  
77 32.0 24.6 37.0





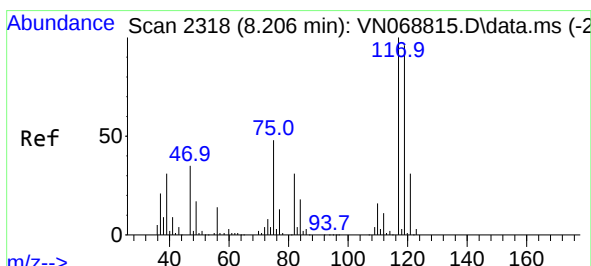
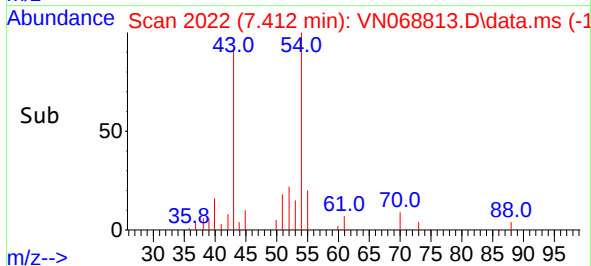
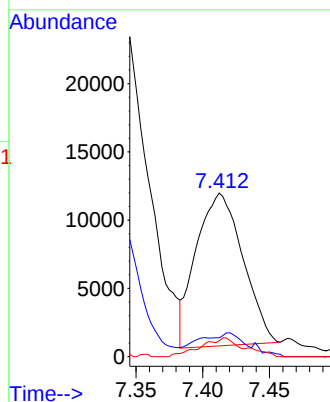
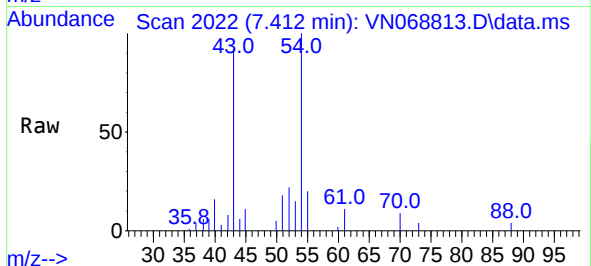
#37  
Ethyl Acetate  
Concen: 4.22 ug/l  
RT: 7.412 min Scan# 2022  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 27257 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 0.0   | 10.6  | 16.0# |
| 70       | 9.4   | 8.1   | 12.1  |

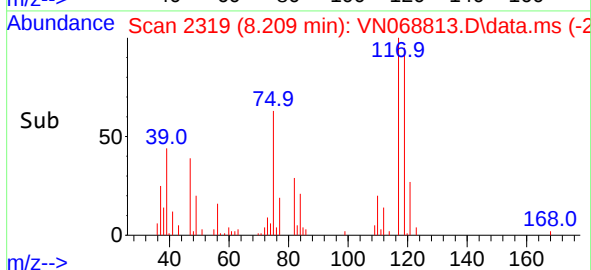
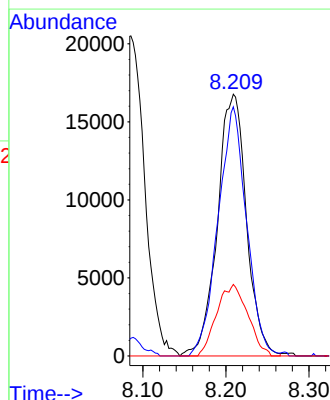
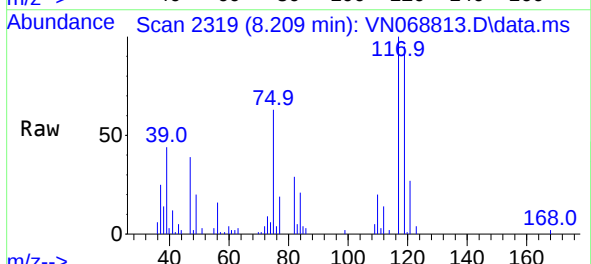
Manual Integrations  
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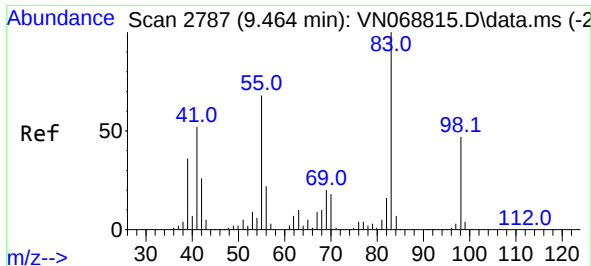
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#38  
Carbon Tetrachloride  
Concen: 5.05 ug/l  
RT: 8.209 min Scan# 2319  
Delta R.T. 0.002 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 40742 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 95.2  | 75.4  | 113.2 |
| 121      | 27.3  | 23.5  | 35.3  |





#39

Methylcyclohexane

Concen: 5.16 ug/l

RT: 9.464 min Scan# 2787

Delta R.T. -0.000 min

Lab File: VN068813.D

Acq: 6 Oct 2021 12:26

Tgt Ion: 83 Resp: 40355

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 79.2  | 66.6  | 99.8  |
| 98  | 45.2  | 35.3  | 52.9  |

Instrument :

MSVOA\_N

ClientSampleId :

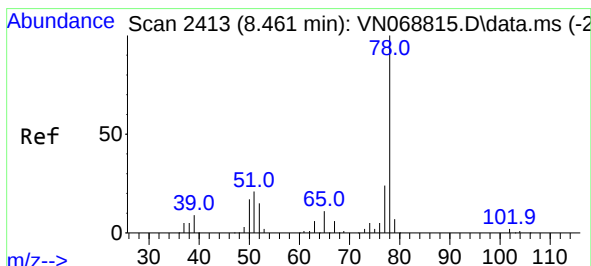
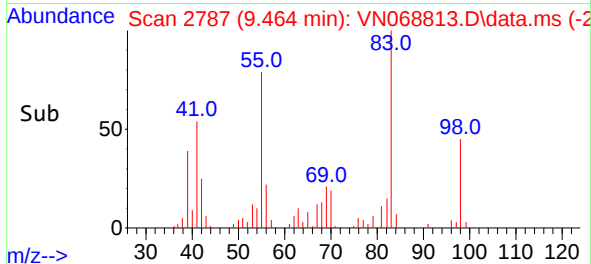
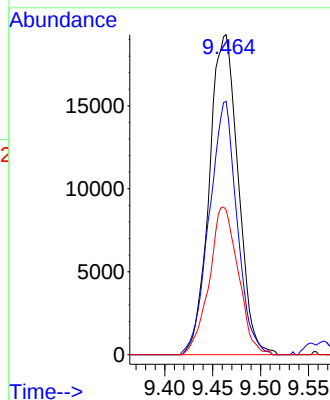
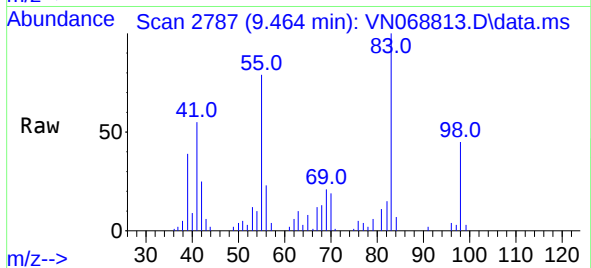
VSTDIC005

Manual Integrations

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#40

Benzene

Concen: 5.20 ug/l

RT: 8.461 min Scan# 2413

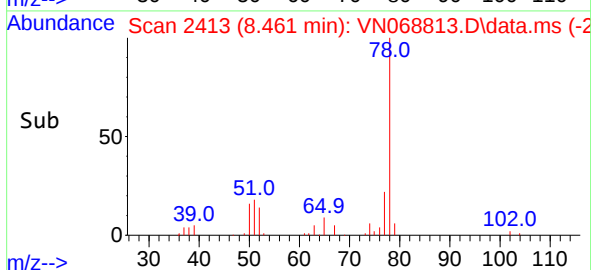
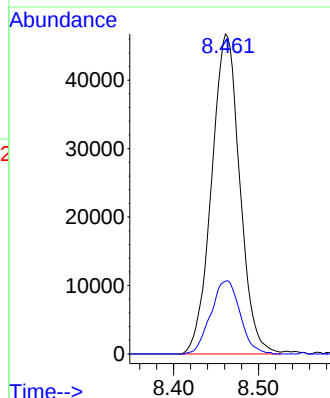
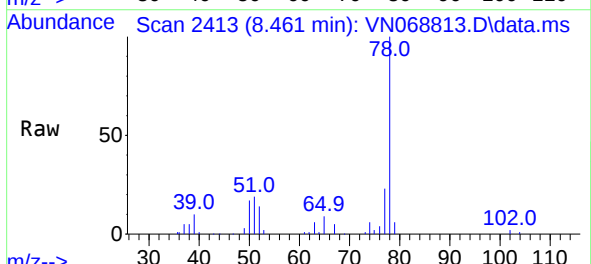
Delta R.T. -0.000 min

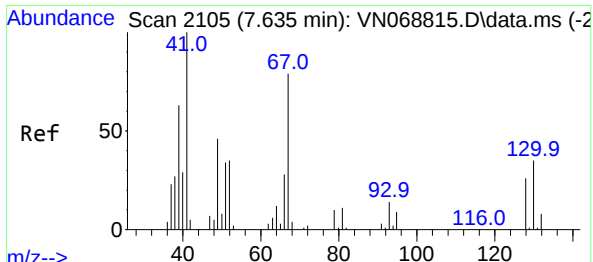
Lab File: VN068813.D

Acq: 6 Oct 2021 12:26

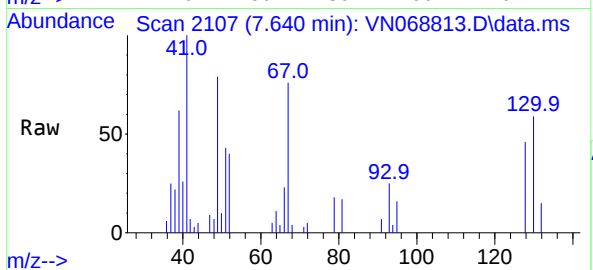
Tgt Ion: 78 Resp: 107815

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 78  | 100   |       |       |
| 77  | 22.8  | 18.9  | 28.3  |



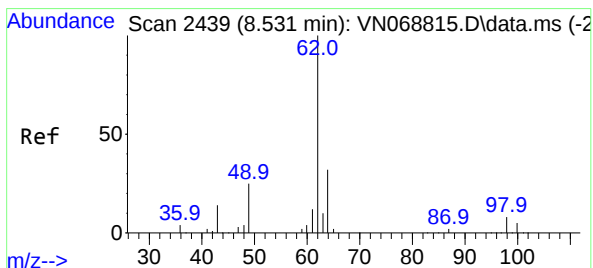
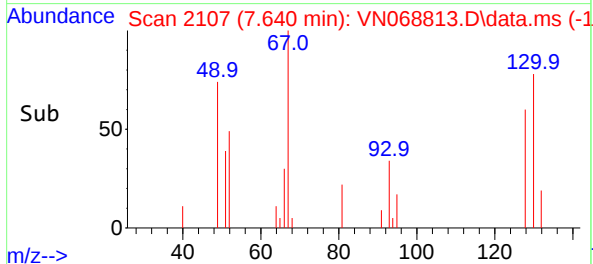
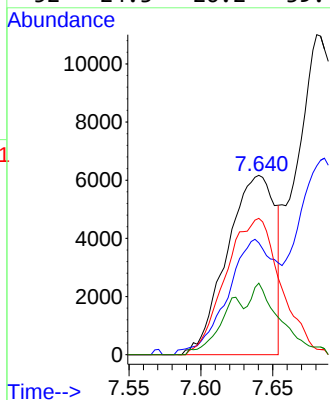


#41  
Methacrylonitrile  
Concen: 4.66 ug/l  
RT: 7.640 min Scan# 2107  
Delta R.T. 0.005 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

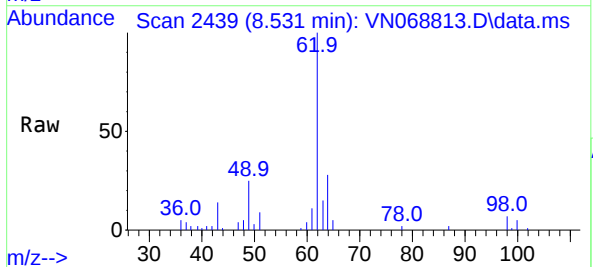


Tgt Ion: 41 Resp: 14329

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 65.4  | 47.6  | 71.4  |
| 67  | 87.2  | 57.7  | 86.5# |
| 52  | 24.3  | 26.2  | 39.4# |

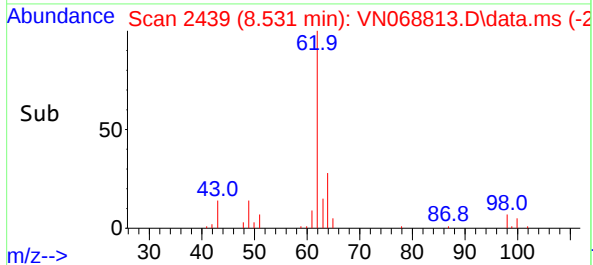
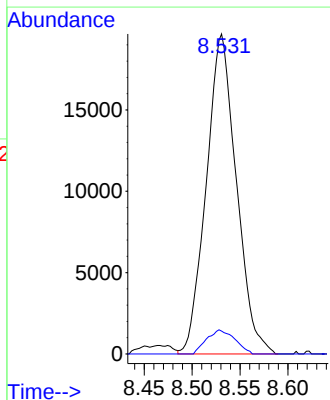


#42  
1,2-Dichloroethane  
Concen: 5.27 ug/l  
RT: 8.531 min Scan# 2439  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26



Tgt Ion: 62 Resp: 42921

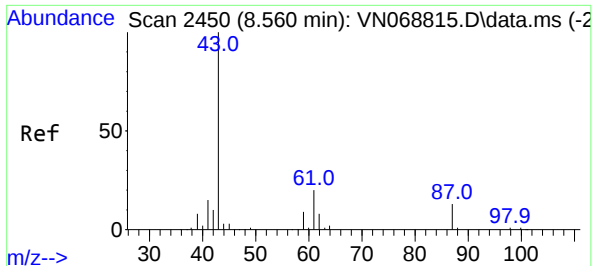
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 7.1   | 0.0   | 14.2  |



Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Manual Integrations  
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#43  
Isopropyl Acetate  
Concen: 4.43 ug/l  
RT: 8.558 min Scan# 2449  
Delta R.T. -0.003 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

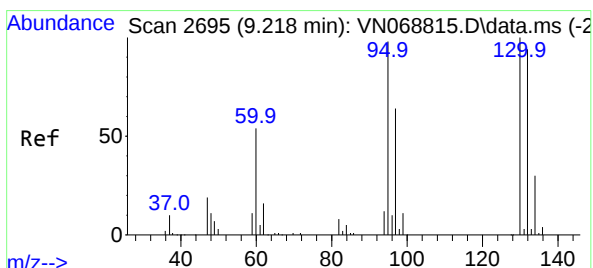
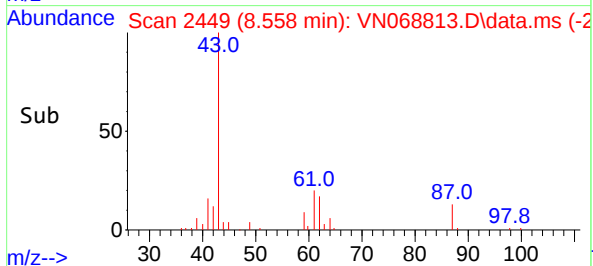
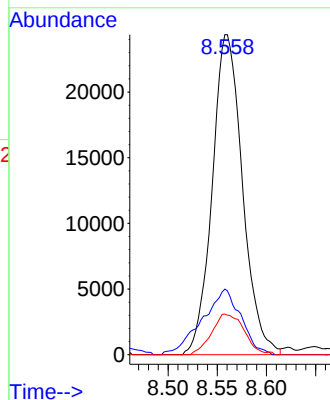
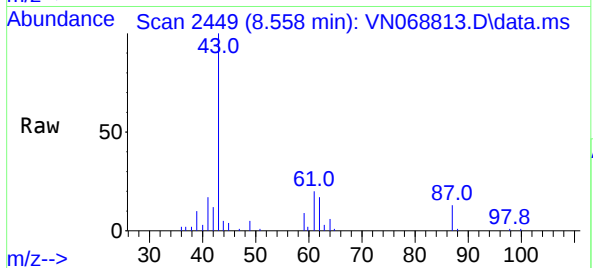
Tgt Ion: 43 Resp: 52235

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 26.2  | 19.0  | 28.4  |
| 87  | 13.7  | 9.5   | 14.3  |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Manual Integrations  
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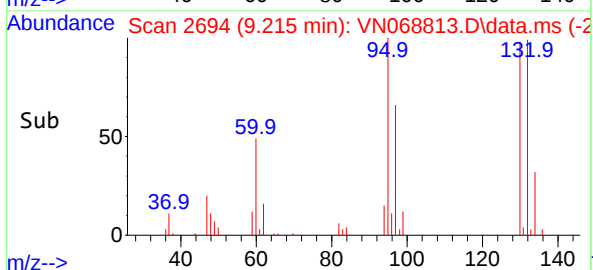
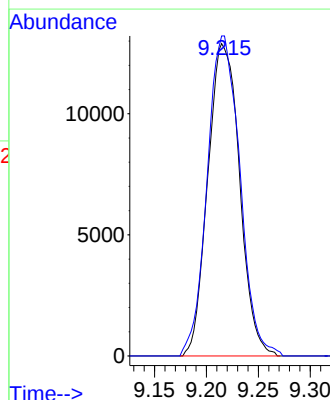
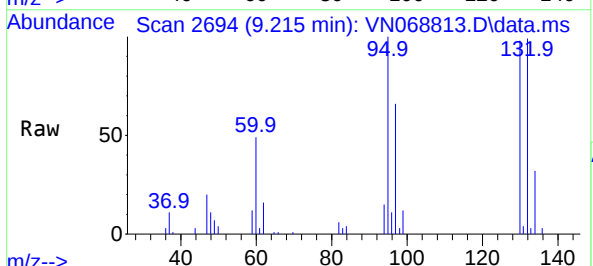
MMDadoda  
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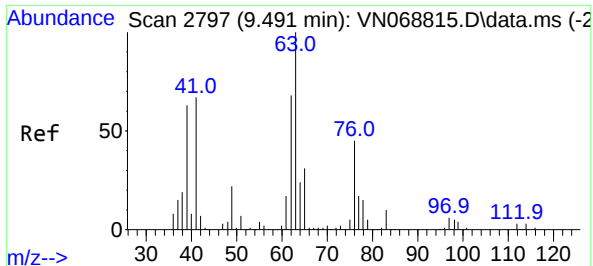


#44  
Trichloroethene  
Concen: 4.98 ug/l  
RT: 9.215 min Scan# 2694  
Delta R.T. -0.003 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 130 Resp: 27434

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 130 | 100   |       |       |
| 95  | 102.5 | 0.0   | 234.4 |





#45

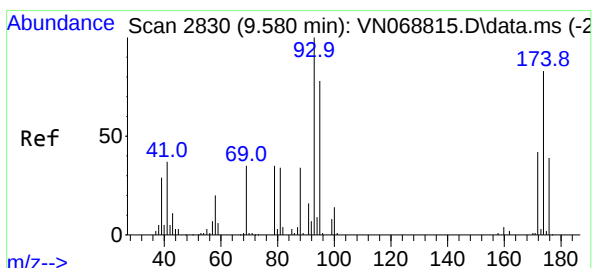
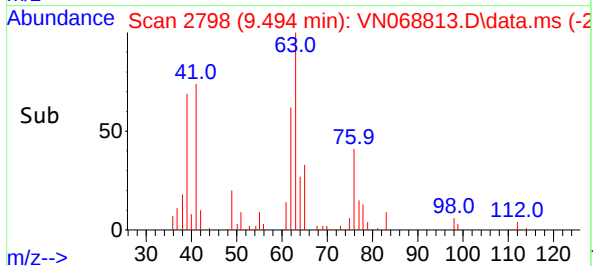
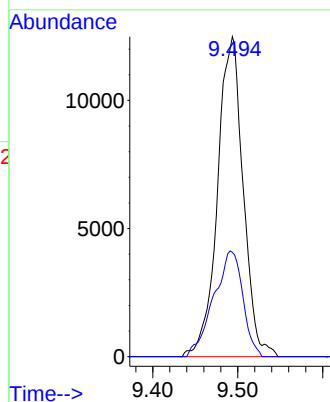
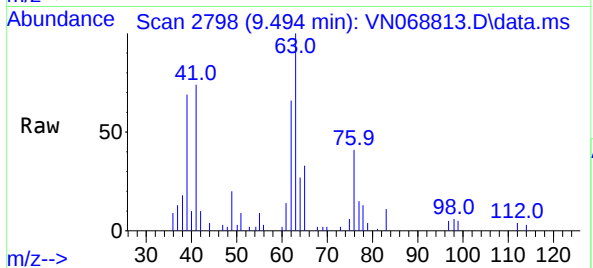
1,2-Dichloropropane  
Concen: 4.89 ug/l  
RT: 9.494 min Scan# 2798  
Delta R.T. 0.002 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 63 Resp: 26219  
Ion Ratio Lower Upper  
63 100  
65 32.6 24.3 36.5

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC005

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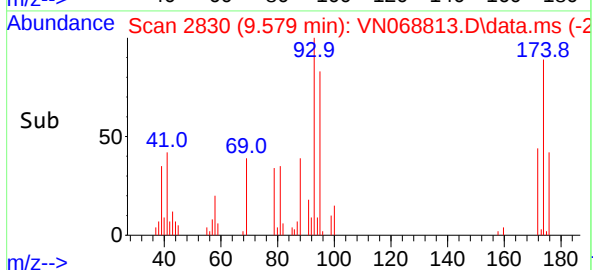
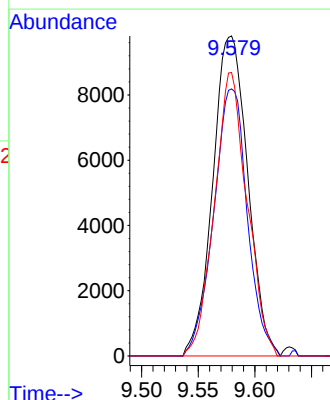
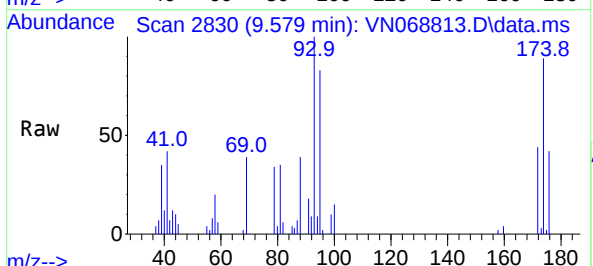
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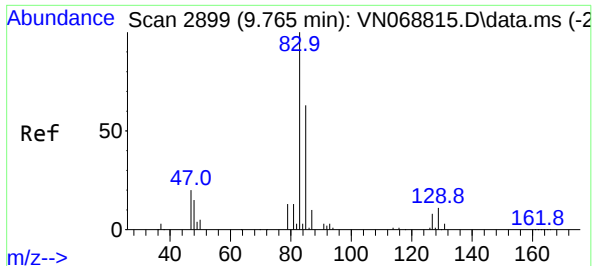


#46

Dibromomethane  
Concen: 5.13 ug/l  
RT: 9.579 min Scan# 2830  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

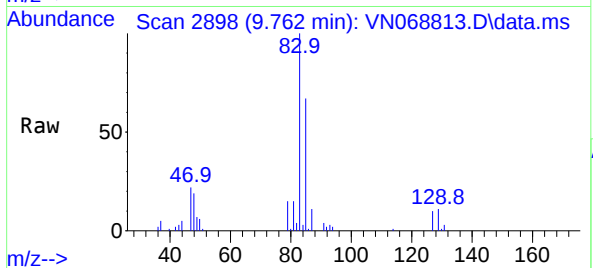
Tgt Ion: 93 Resp: 21052  
Ion Ratio Lower Upper  
93 100  
95 80.2 66.1 99.1  
174 82.9 61.0 91.4





#47  
Bromodichloromethane  
Concen: 4.70 ug/l  
RT: 9.762 min Scan# 2898  
Delta R.T. -0.003 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

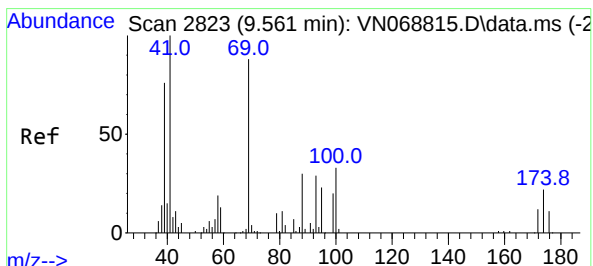
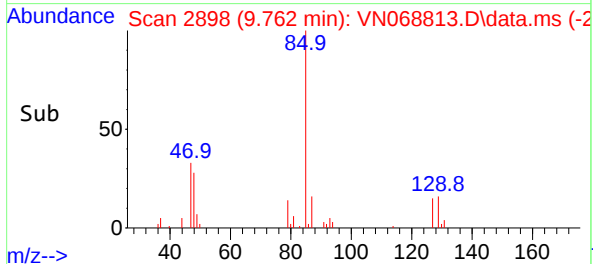
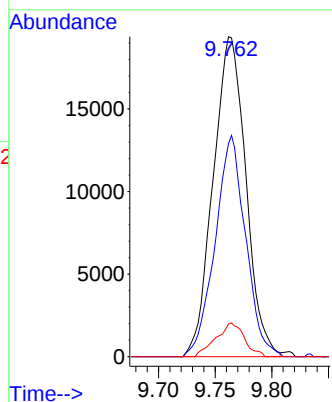
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005



Tgt Ion: 83 Resp: 38822  
Ion Ratio Lower Upper  
83 100  
85 66.6 49.9 74.9  
127 10.3 6.1 9.1#

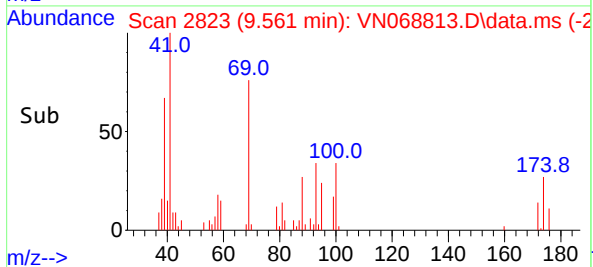
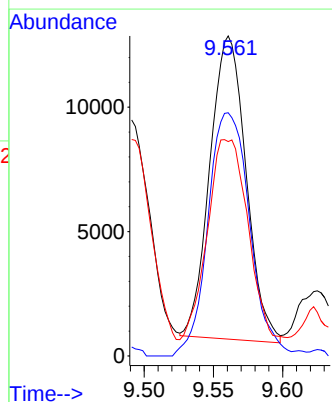
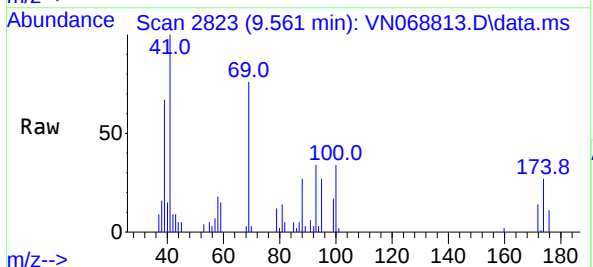
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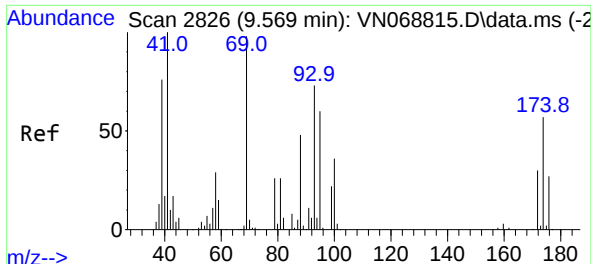
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#48  
Methyl methacrylate  
Concen: 4.46 ug/l  
RT: 9.561 min Scan# 2823  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 41 Resp: 22111  
Ion Ratio Lower Upper  
41 100  
69 92.3 64.6 96.8  
39 76.5 53.3 79.9





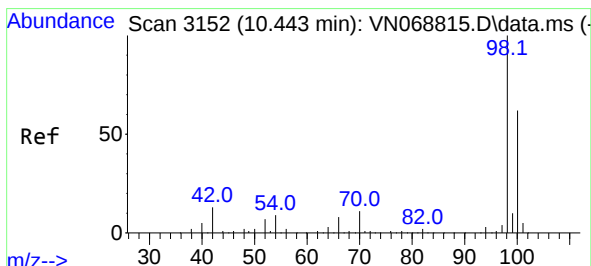
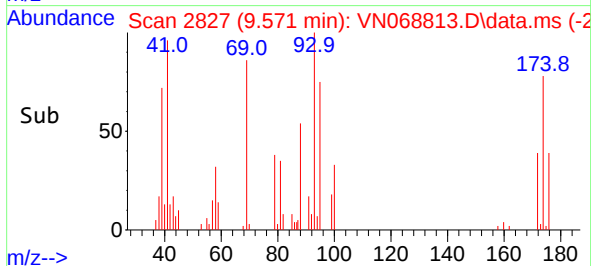
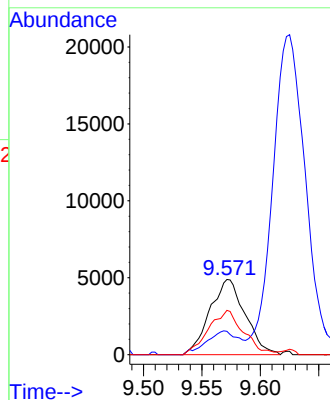
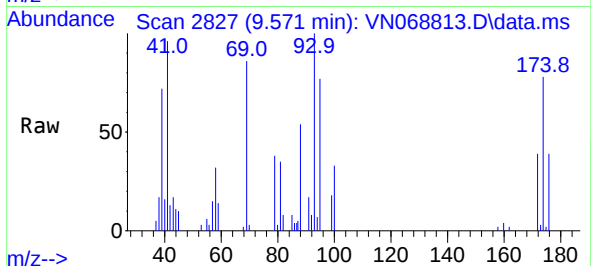
#49  
1,4-Dioxane  
Concen: 123.96 ug/l  
RT: 9.571 min Scan# 2827  
Delta R.T. 0.002 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 88 Resp: 10262  
Ion Ratio Lower Upper  
88 100  
43 29.2 28.8 43.2  
58 58.3 60.4 90.6#

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

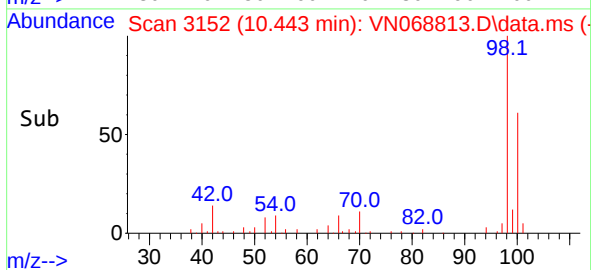
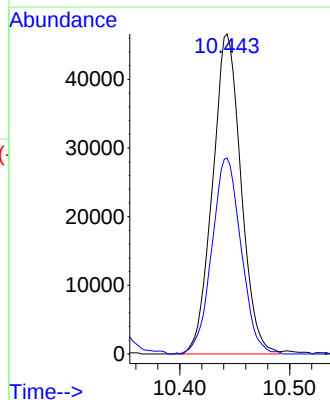
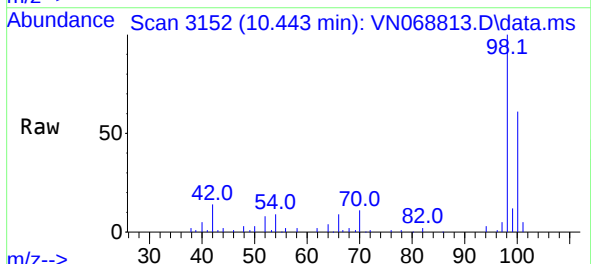
Manual Integrations  
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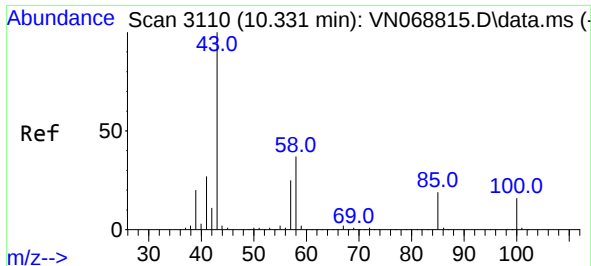
MMDadoda  
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#50  
Toluene-d8  
Concen: 4.84 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 98 Resp: 83820  
Ion Ratio Lower Upper  
98 100  
100 62.8 51.7 77.5





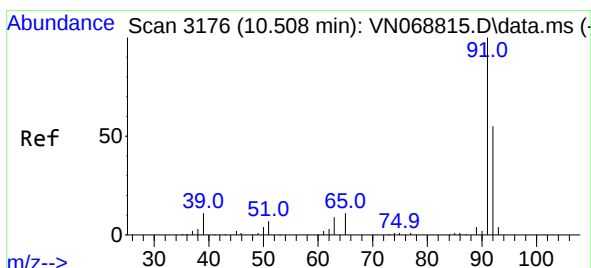
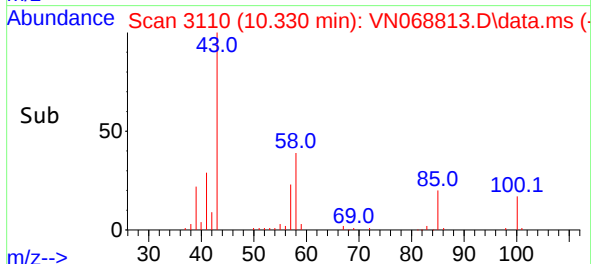
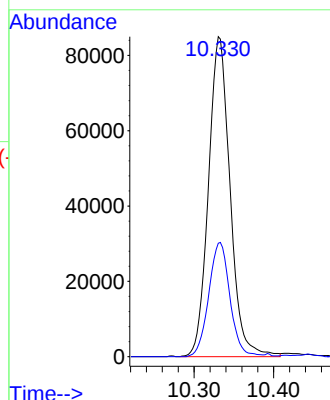
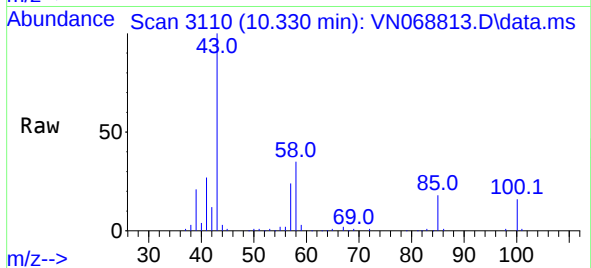
#51  
4-Methyl-2-Pentanone  
Concen: 22.47 ug/l  
RT: 10.330 min Scan# 3110  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 43 Resp: 160772  
Ion Ratio Lower Upper  
43 100  
58 35.0 28.6 43.0

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

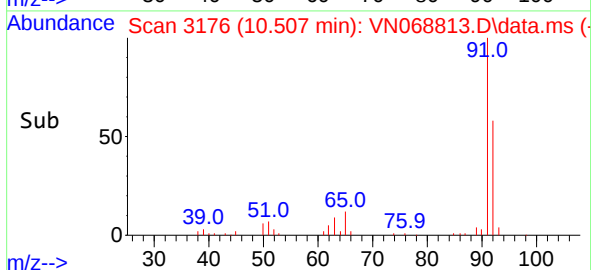
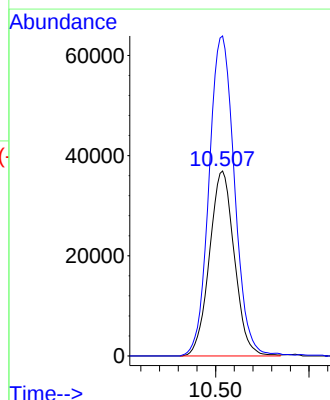
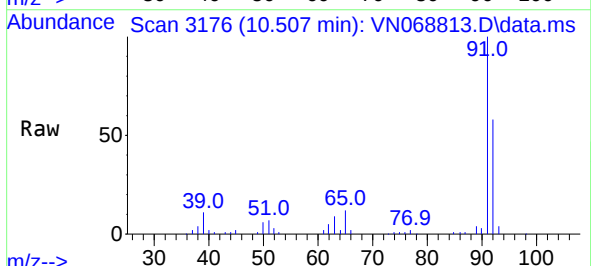
Manual Integrations  
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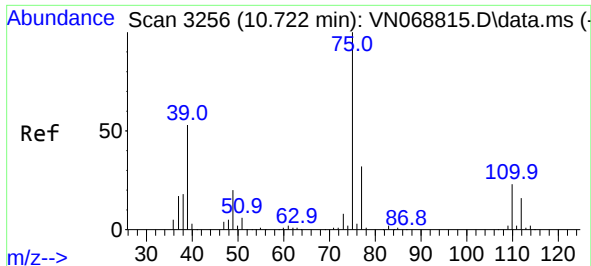
MMDadoda  
10/7/2021 5:34:15 PM



#52  
Toluene  
Concen: 4.97 ug/l  
RT: 10.507 min Scan# 3176  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 92 Resp: 68392  
Ion Ratio Lower Upper  
92 100  
91 176.5 139.6 209.4





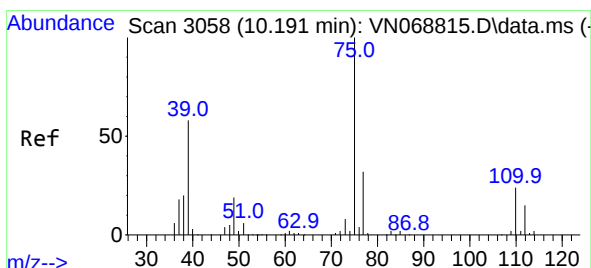
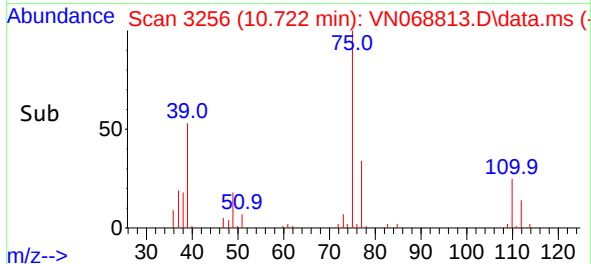
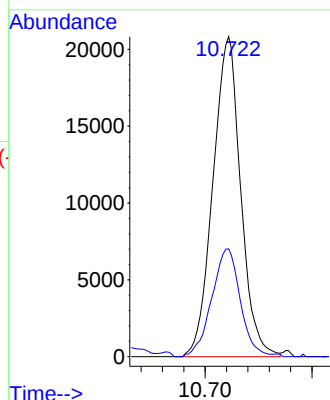
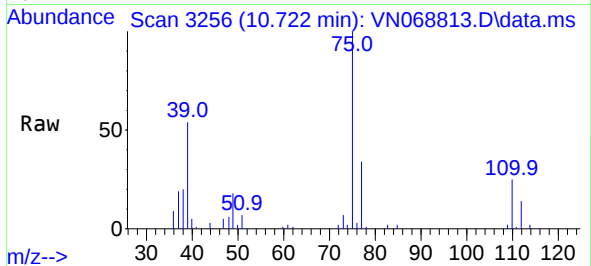
#53  
t-1,3-Dichloropropene  
Concen: 4.52 ug/l  
RT: 10.722 min Scan# 3256  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 75 Resp: 37545  
Ion Ratio Lower Upper  
75 100  
77 33.7 25.1 37.7

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

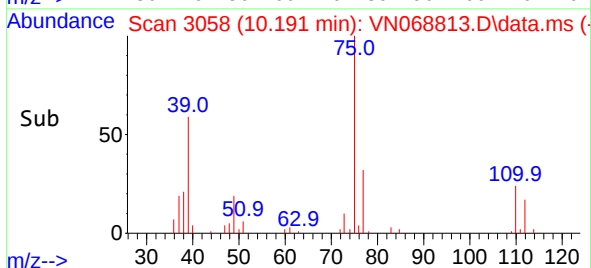
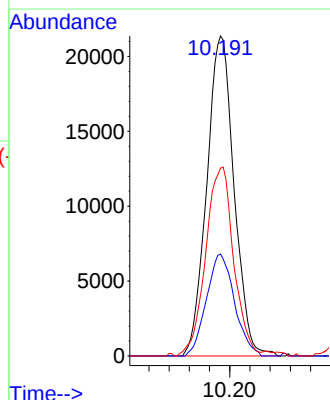
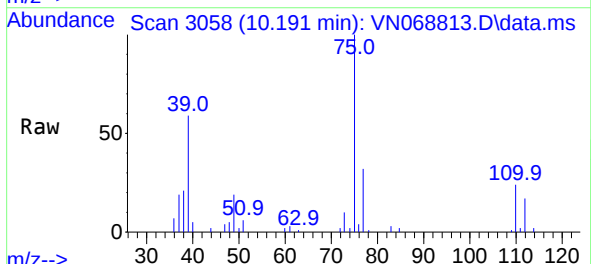
Manual Integrations  
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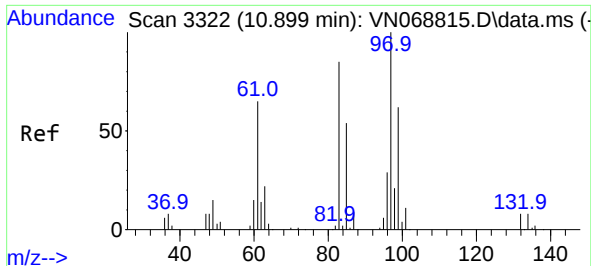
MMDadoda  
10/7/2021 5:34:15 PM



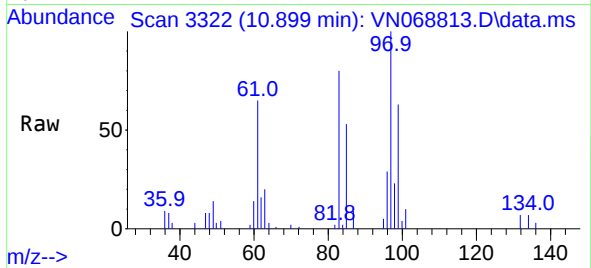
#54  
cis-1,3-Dichloropropene  
Concen: 4.58 ug/l  
RT: 10.191 min Scan# 3058  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 75 Resp: 40116  
Ion Ratio Lower Upper  
75 100  
77 31.9 24.6 37.0  
39 57.9 50.7 76.1



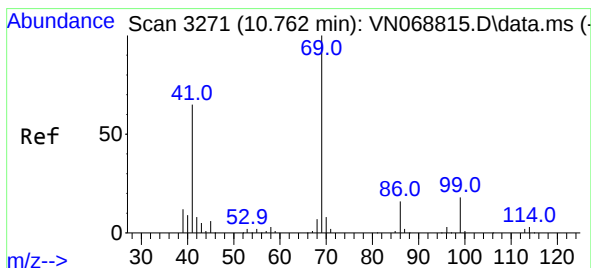
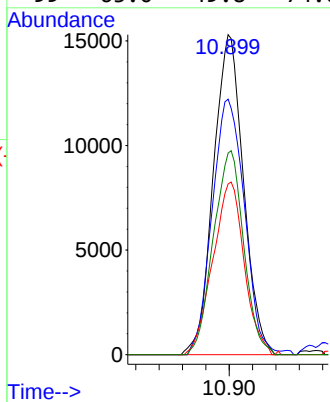
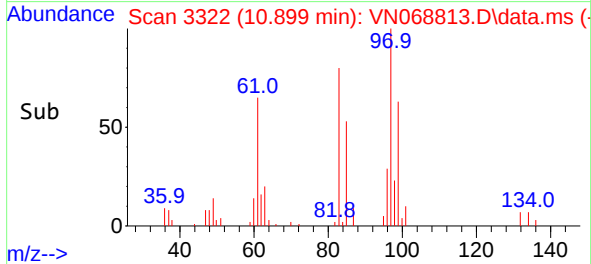


#55  
1,1,2-Trichloroethane  
Concen: 4.63 ug/l  
RT: 10.899 min Scan# 3322  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

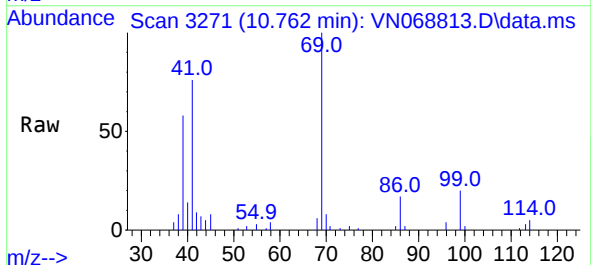


Tgt Ion: 97 Resp: 27255

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 79.9  | 72.0  | 108.0 |
| 85  | 53.3  | 46.8  | 70.2  |
| 99  | 63.0  | 49.8  | 74.6  |

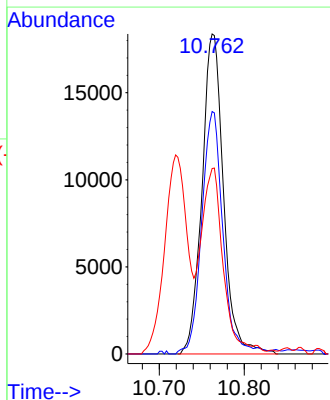
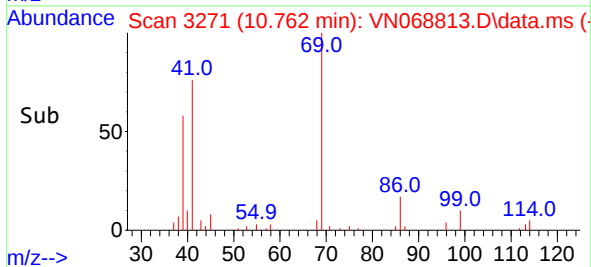


#56  
Ethyl methacrylate  
Concen: 4.17 ug/l  
RT: 10.762 min Scan# 3271  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26



Tgt Ion: 69 Resp: 32340

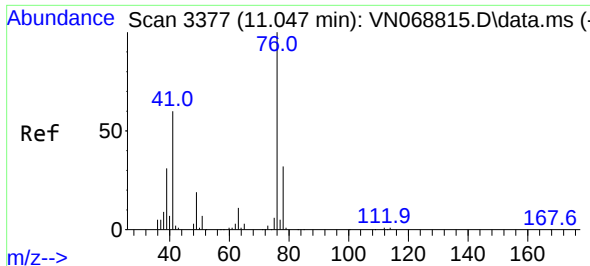
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 73.9  | 58.6  | 88.0  |
| 39  | 54.9  | 38.3  | 57.5  |



Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

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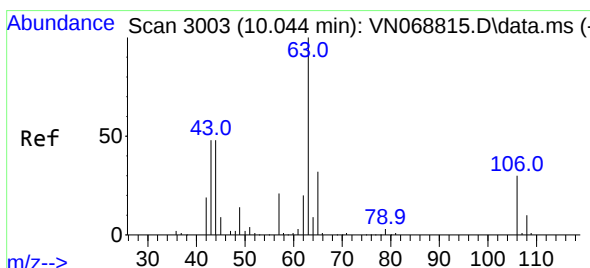
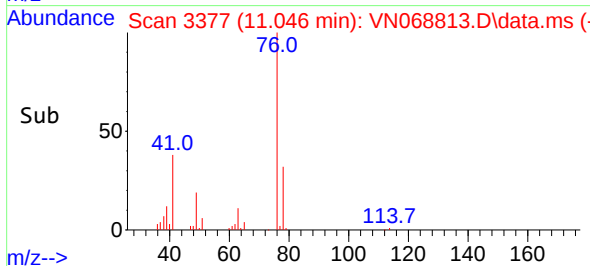
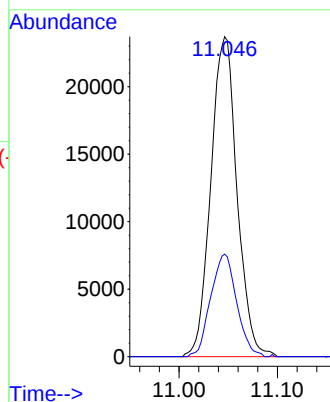
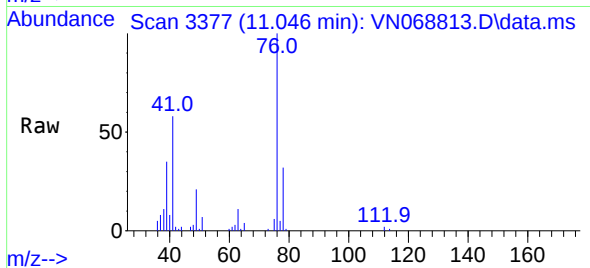
#57  
1,3-Dichloropropane  
Concen: 4.78 ug/l  
RT: 11.046 min Scan# 3377  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 76 Resp: 43984  
Ion Ratio Lower Upper  
76 100  
78 31.7 25.7 38.5

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

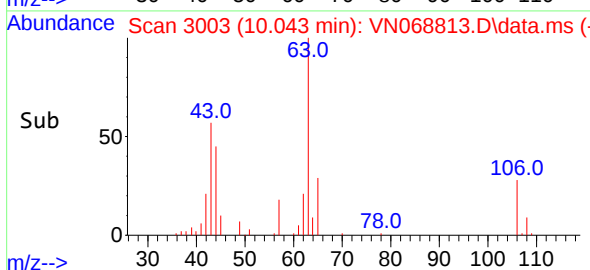
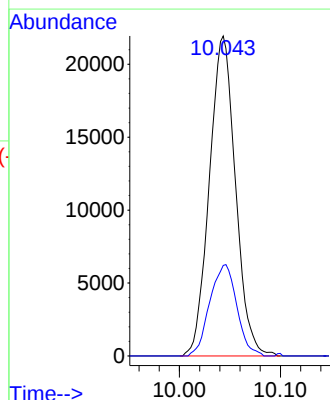
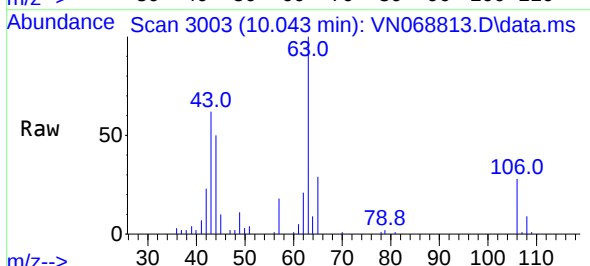
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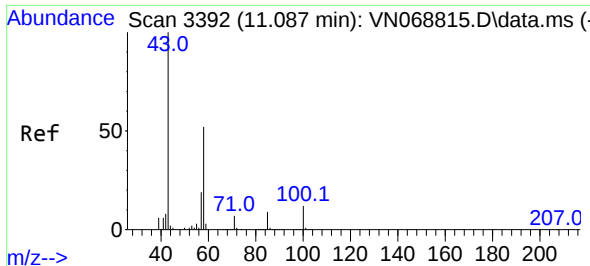
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#58  
2-Chloroethyl Vinyl ether  
Concen: 25.26 ug/l  
RT: 10.043 min Scan# 3003  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 63 Resp: 39355  
Ion Ratio Lower Upper  
63 100  
106 29.5 19.8 29.8





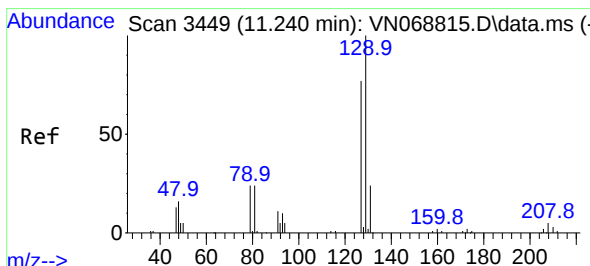
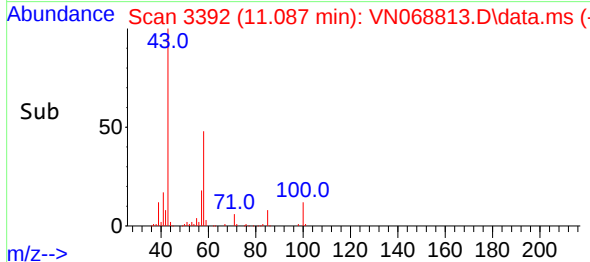
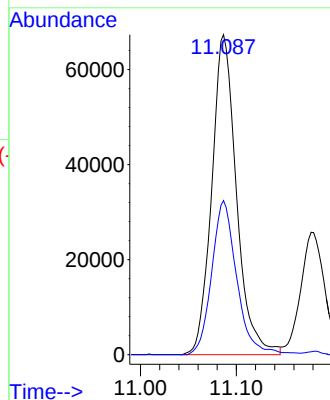
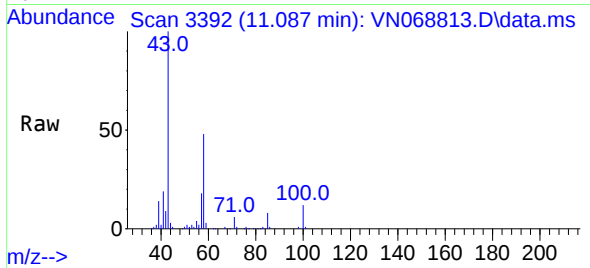
#59  
2-Hexanone  
Concen: 24.43 ug/l  
RT: 11.087 min Scan# 3392  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 43 Resp: 120673  
Ion Ratio Lower Upper  
43 100  
58 48.7 24.7 74.1

Instrument :  
MSVOA\_N  
ClientSampleId :  
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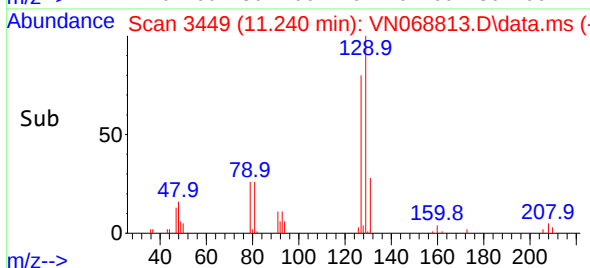
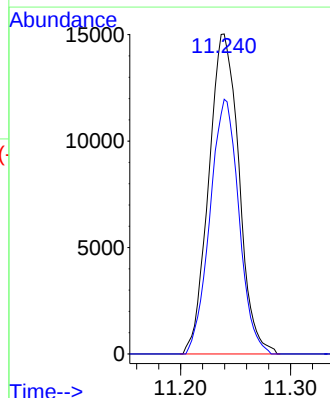
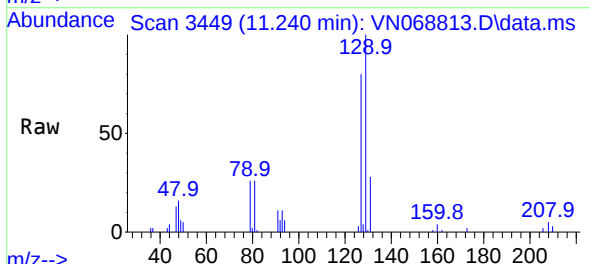
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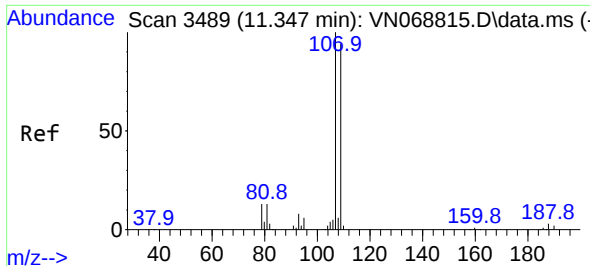
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#60  
Dibromochloromethane  
Concen: 4.64 ug/l  
RT: 11.240 min Scan# 3449  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

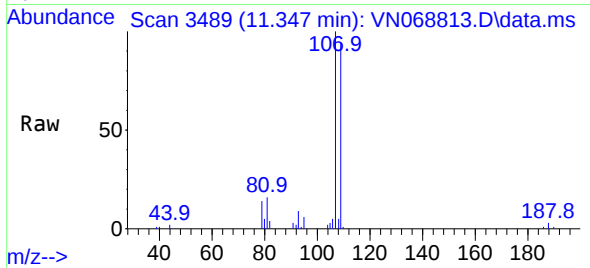
Tgt Ion:129 Resp: 28699  
Ion Ratio Lower Upper  
129 100  
127 76.3 38.6 115.8





#61  
1,2-Dibromoethane  
Concen: 4.85 ug/l  
RT: 11.347 min Scan# 3489  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

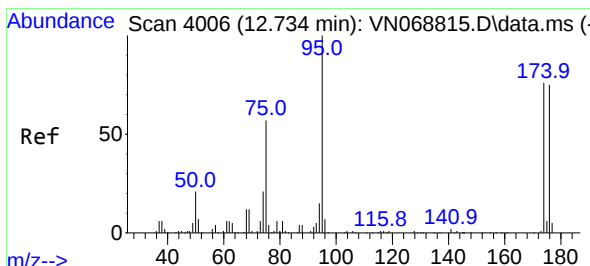
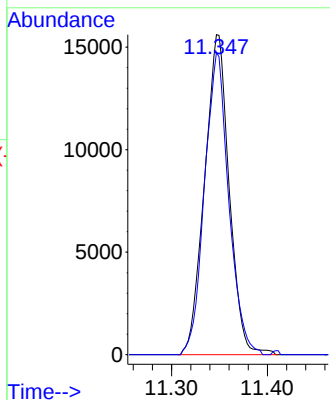
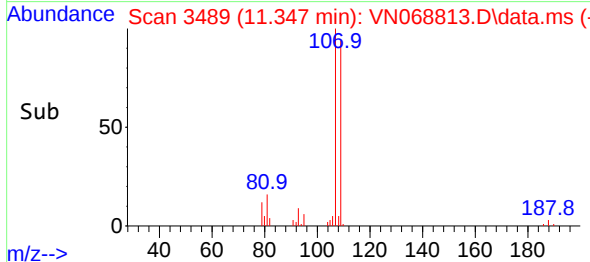
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005



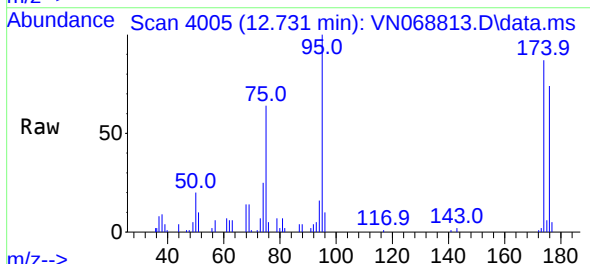
Tgt Ion:107 Resp: 27880  
Ion Ratio Lower Upper  
107 100  
109 92.8 75.0 112.4

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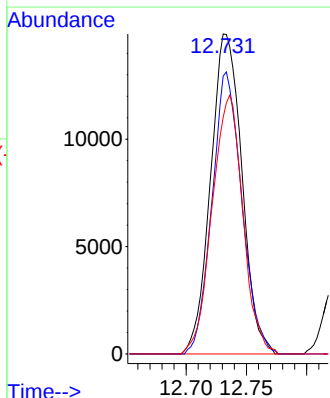
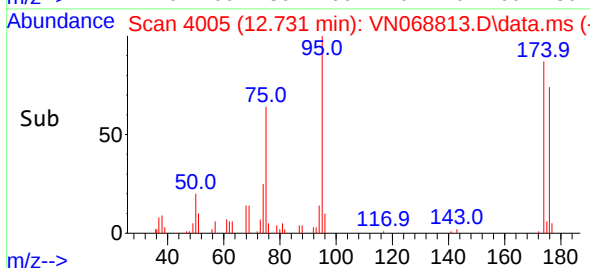
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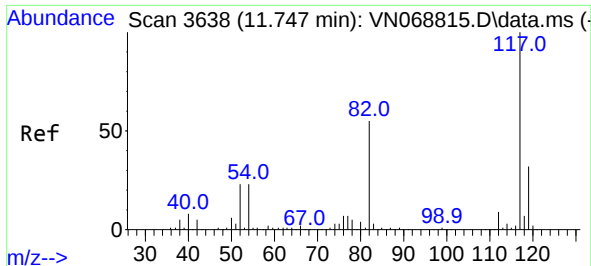


#62  
4-Bromofluorobenzene  
Concen: 4.51 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. -0.003 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26



Tgt Ion: 95 Resp: 26886  
Ion Ratio Lower Upper  
95 100  
174 84.0 0.0 122.0  
176 79.3 0.0 117.6





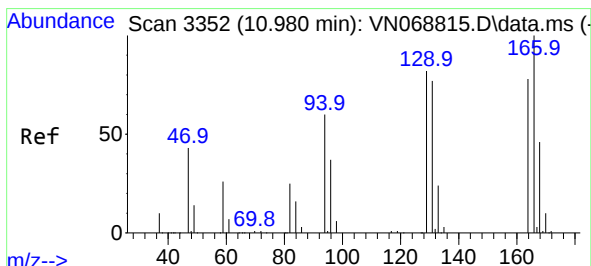
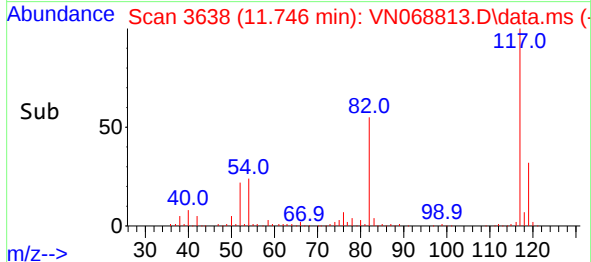
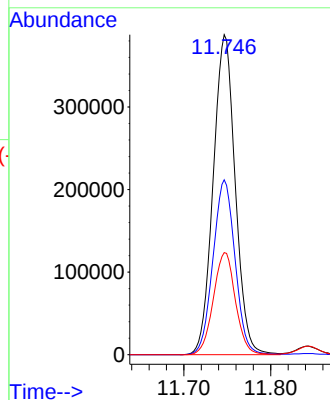
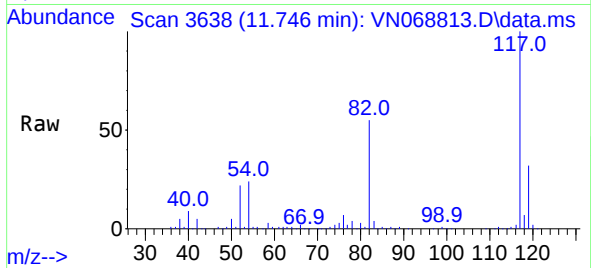
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.746 min Scan# 3638  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion:117 Resp: 683707  
Ion Ratio Lower Upper  
117 100  
82 54.7 53.1 79.7  
119 31.9 25.5 38.3

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

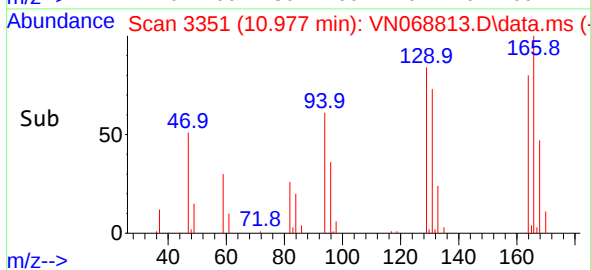
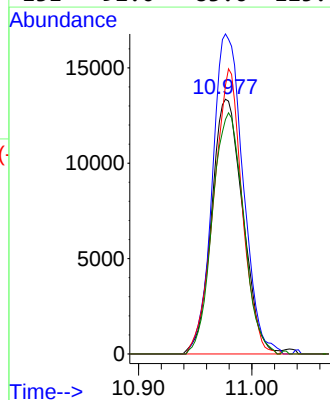
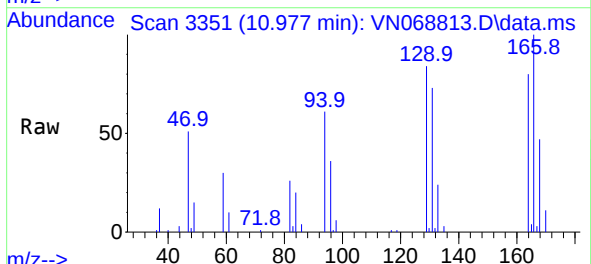
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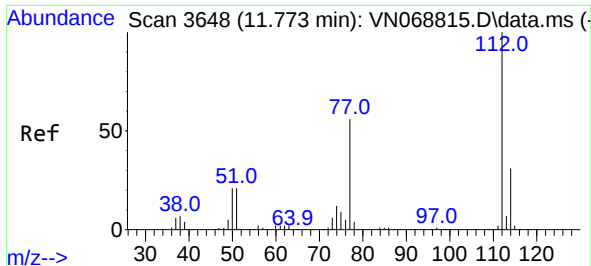
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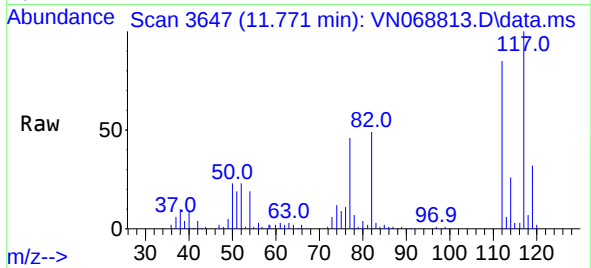
#64  
Tetrachloroethene  
Concen: 5.13 ug/l  
RT: 10.977 min Scan# 3351  
Delta R.T. -0.003 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion:164 Resp: 25617  
Ion Ratio Lower Upper  
164 100  
166 125.6 102.1 153.1  
129 105.4 86.9 130.3  
131 92.0 83.6 125.4

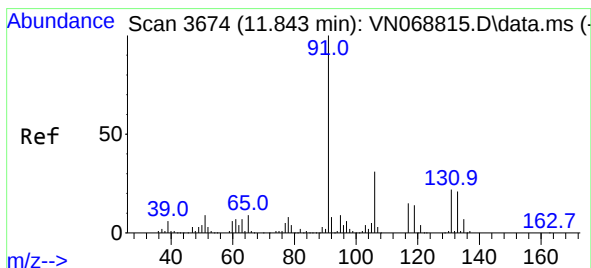
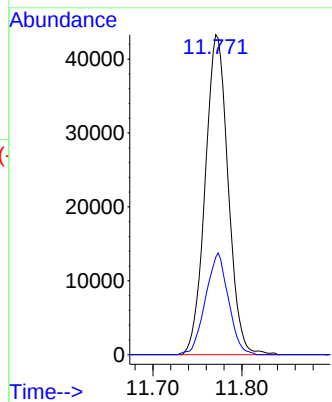
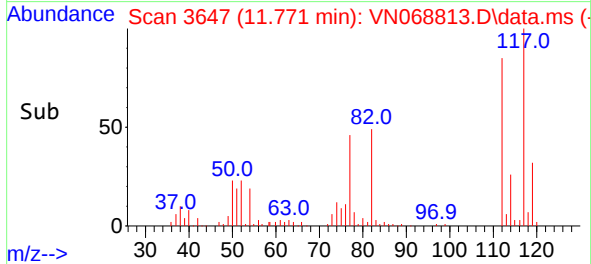




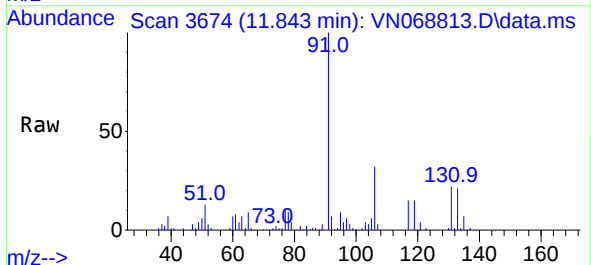
#65  
Chlorobenzene  
Concen: 5.06 ug/l  
RT: 11.771 min Scan# 3647  
Delta R.T. -0.003 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26



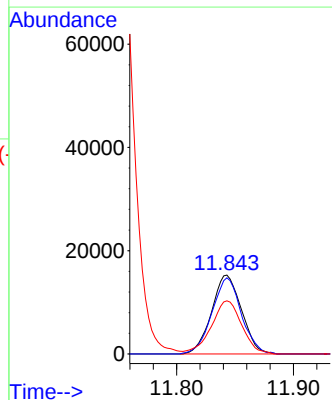
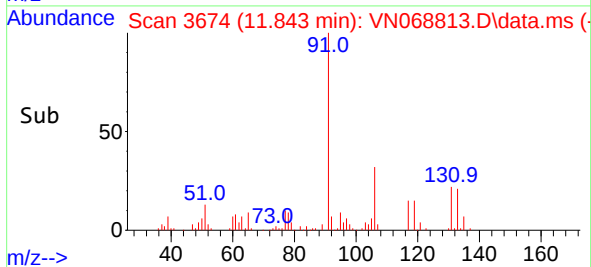
Tgt Ion:112 Resp: 77466  
Ion Ratio Lower Upper  
112 100  
114 30.4 24.6 37.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 4.59 ug/l  
RT: 11.843 min Scan# 3674  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26



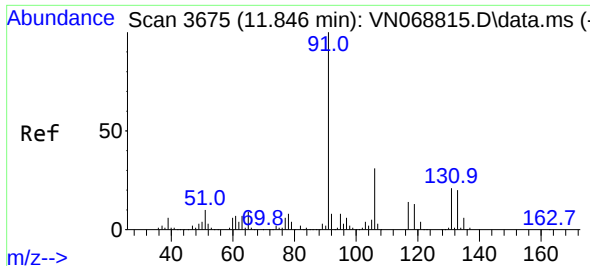
Tgt Ion:131 Resp: 27153  
Ion Ratio Lower Upper  
131 100  
133 95.0 47.5 142.5  
119 68.9 33.1 99.3



Instrument :  
MSVOA\_N  
ClientSampleId :  
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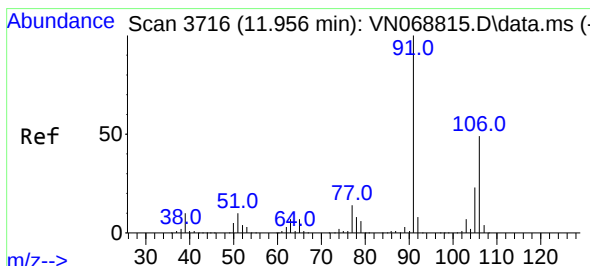
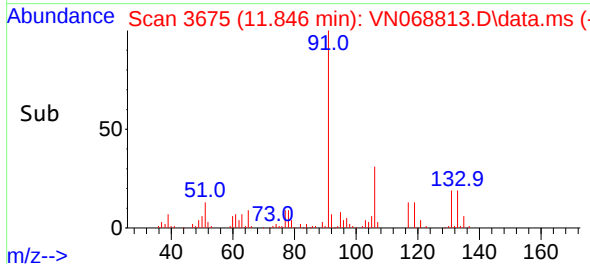
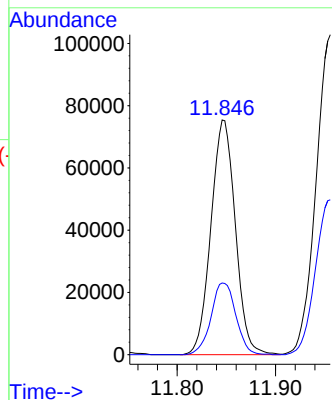
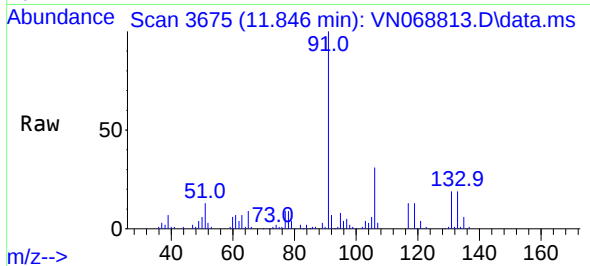
#67  
Ethyl Benzene  
Concen: 4.84 ug/l  
RT: 11.846 min Scan# 3675  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Tgt Ion: 91 Resp: 130205  
Ion Ratio Lower Upper  
91 100  
106 30.5 23.4 35.0

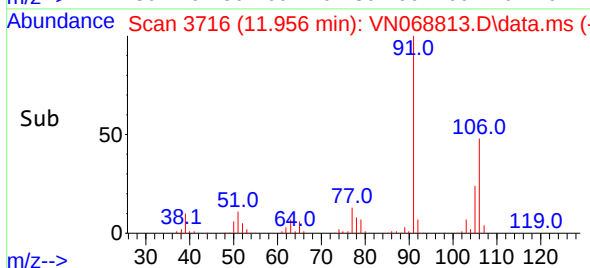
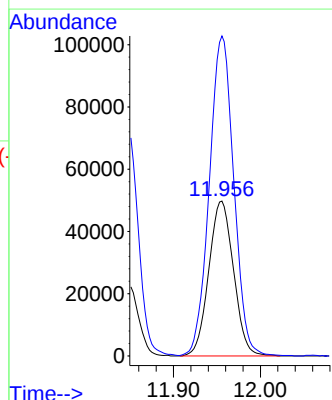
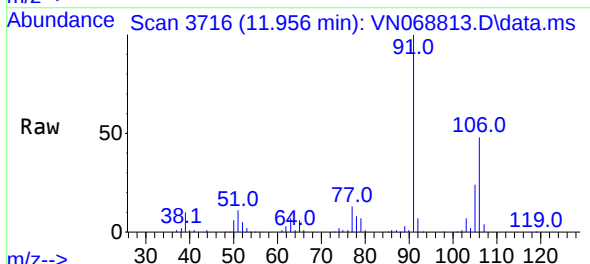
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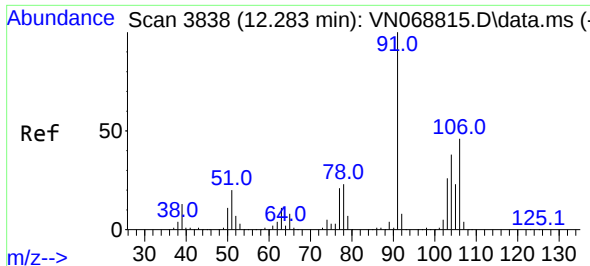
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#68  
m/p-Xylenes  
Concen: 9.85 ug/l  
RT: 11.956 min Scan# 3716  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 106 Resp: 98445  
Ion Ratio Lower Upper  
106 100  
91 203.5 180.6 270.8





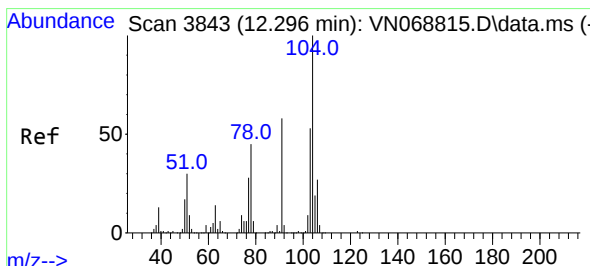
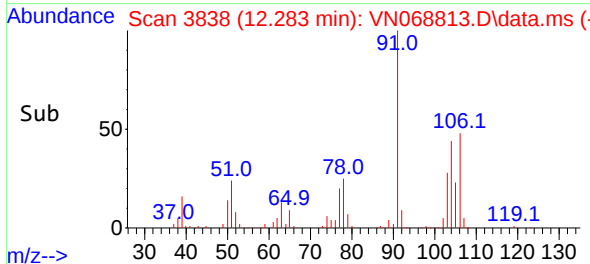
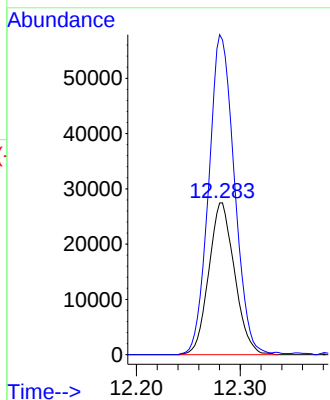
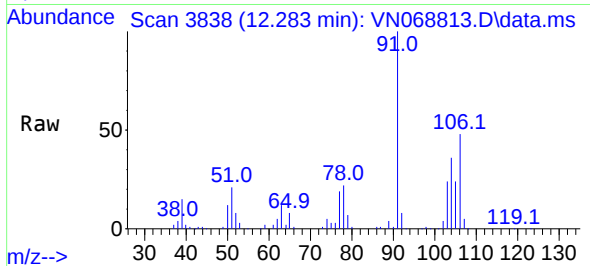
#69  
o-Xylene  
Concen: 4.79 ug/l  
RT: 12.283 min Scan# 3838  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion:106 Resp: 47447  
Ion Ratio Lower Upper  
106 100  
91 209.8 118.3 354.9

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

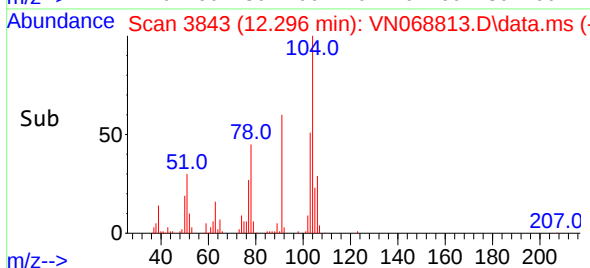
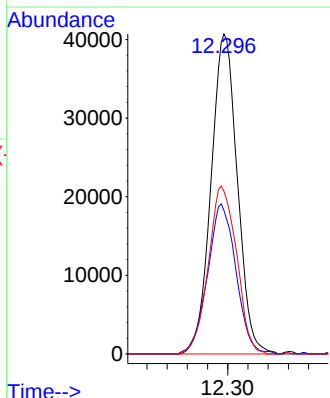
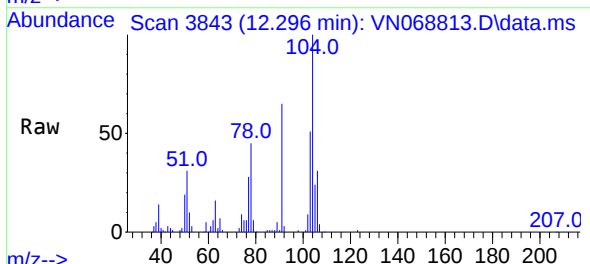
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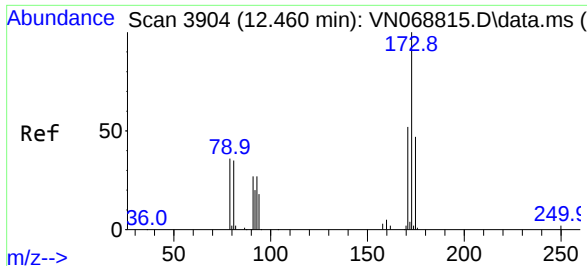
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#70  
Styrene  
Concen: 4.67 ug/l  
RT: 12.296 min Scan# 3843  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion:104 Resp: 73494  
Ion Ratio Lower Upper  
104 100  
78 50.7 48.2 72.2  
103 56.4 44.5 66.7





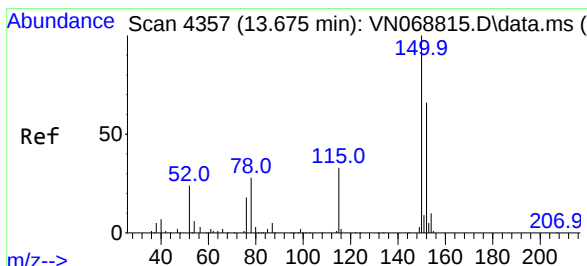
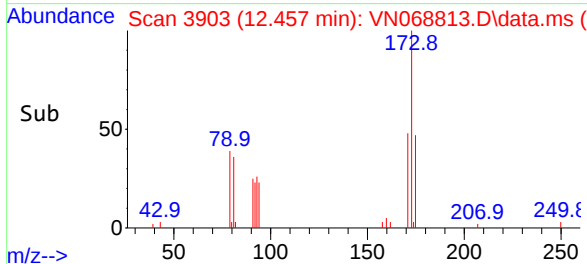
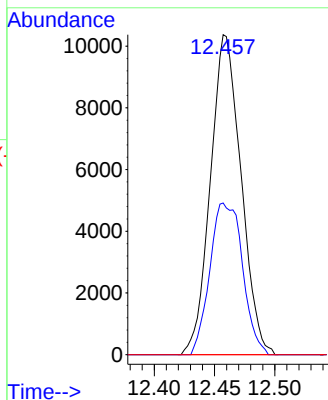
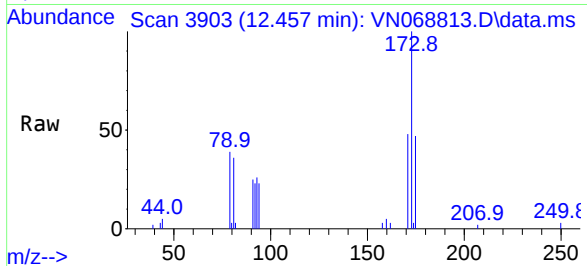
#71  
Bromoform  
Concen: 4.38 ug/l  
RT: 12.457 min Scan# 3903  
Delta R.T. -0.003 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion:173 Resp: 18319  
Ion Ratio Lower Upper  
173 100  
175 50.5 23.9 71.8  
254 0.0 0.0 0.0

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

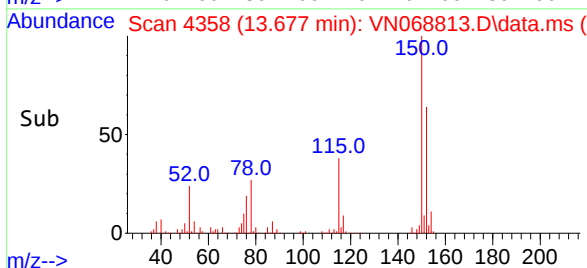
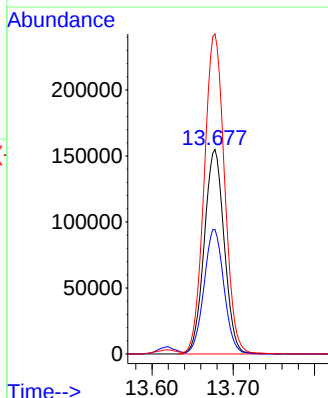
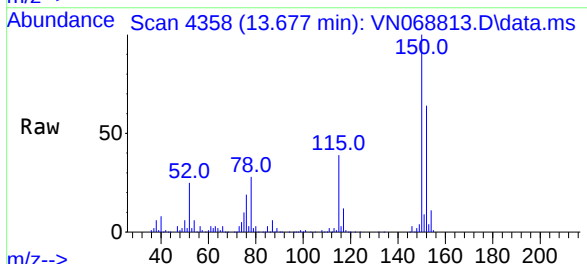
Manual Integrations  
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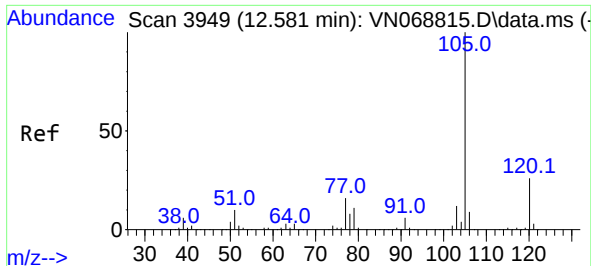
MMDadoda  
10/7/2021 5:34:15 PM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.677 min Scan# 4358  
Delta R.T. 0.002 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion:152 Resp: 264799  
Ion Ratio Lower Upper  
152 100  
115 60.9 36.1 108.5  
150 159.7 0.0 351.8





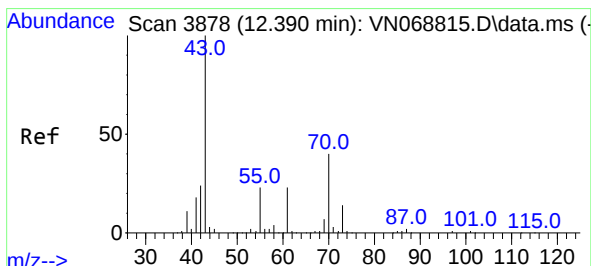
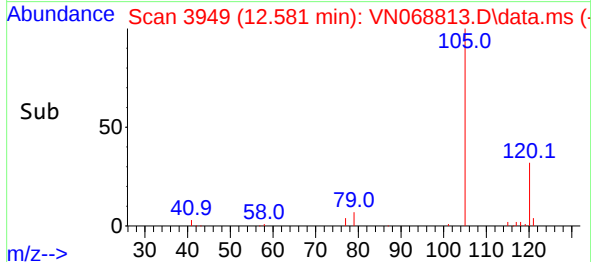
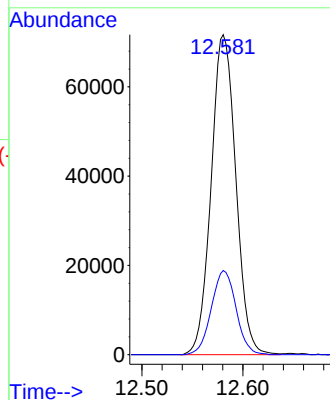
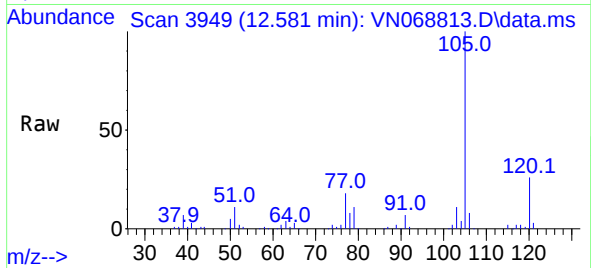
#73  
Isopropylbenzene  
Concen: 5.18 ug/l  
RT: 12.581 min Scan# 3949  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 105 Resp: 121681  
Ion Ratio Lower Upper  
105 100  
120 26.3 12.5 37.5

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

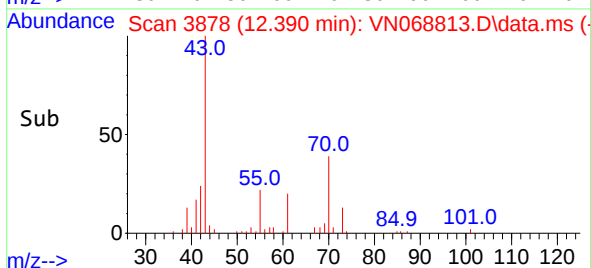
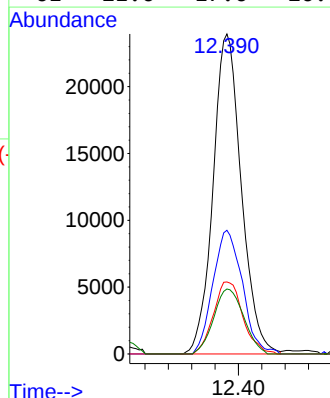
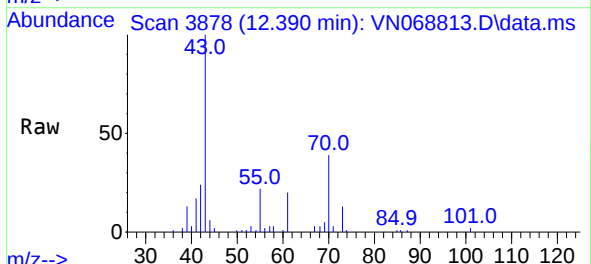
Manual Integrations  
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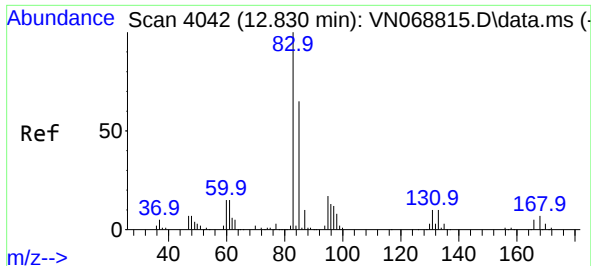
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#74  
N-ethyl acetate  
Concen: 5.35 ug/l  
RT: 12.390 min Scan# 3878  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 43 Resp: 40216  
Ion Ratio Lower Upper  
43 100  
70 40.3 29.4 44.2  
55 23.5 17.0 25.4  
61 21.6 17.6 26.4





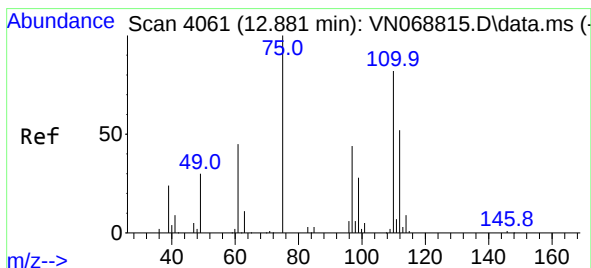
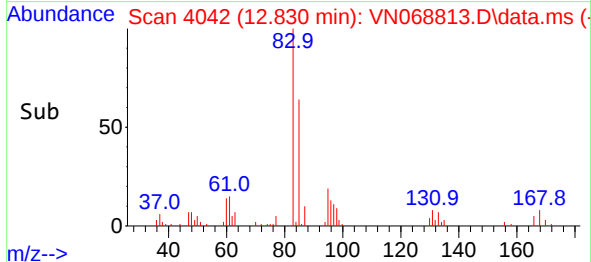
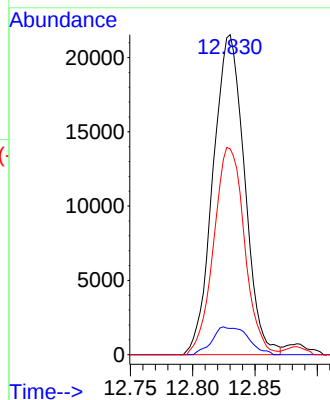
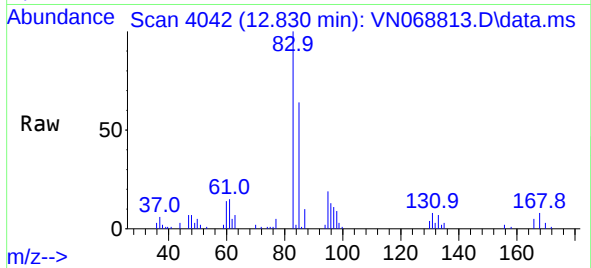
#75  
1,1,2,2-Tetrachloroethane  
Concen: 5.26 ug/l  
RT: 12.830 min Scan# 4042  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 83 Resp: 37860  
Ion Ratio Lower Upper  
83 100  
131 9.8 4.8 14.4  
85 63.3 32.2 96.6

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

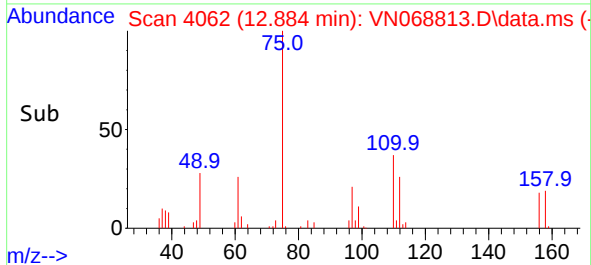
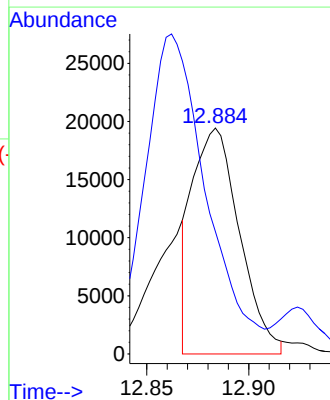
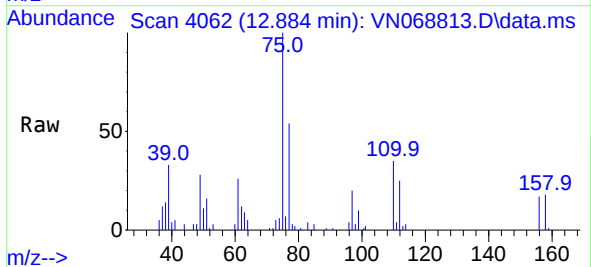
Manual Integrations  
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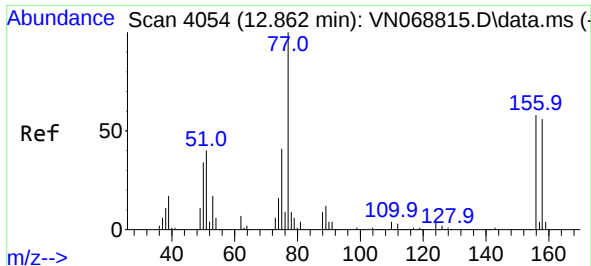
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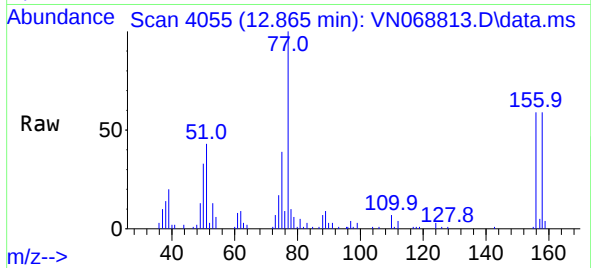
#76  
1,2,3-Trichloropropane  
Concen: 5.32 ug/l m  
RT: 12.884 min Scan# 4062  
Delta R.T. 0.002 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 75 Resp: 31171  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0

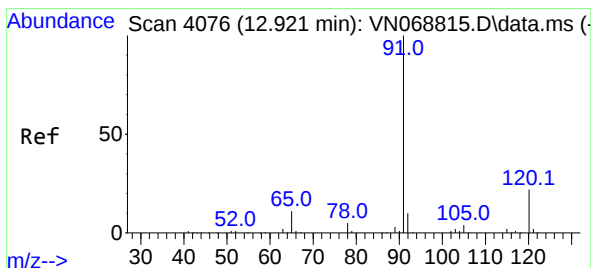
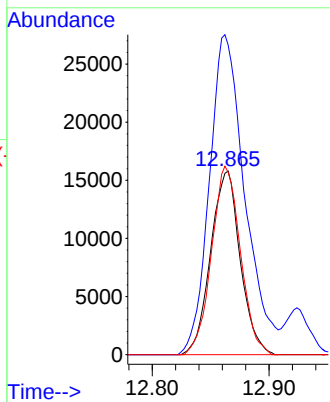
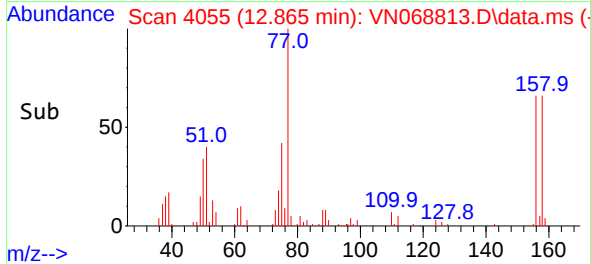




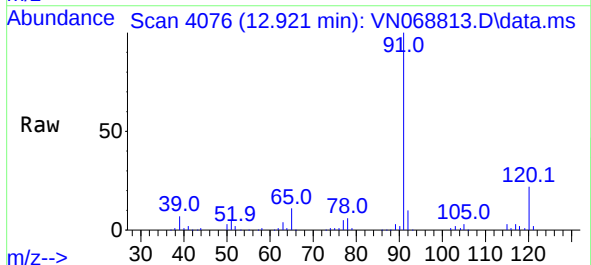
#77  
Bromobenzene  
Concen: 5.20 ug/l  
RT: 12.865 min Scan# 4055  
Delta R.T. 0.002 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26



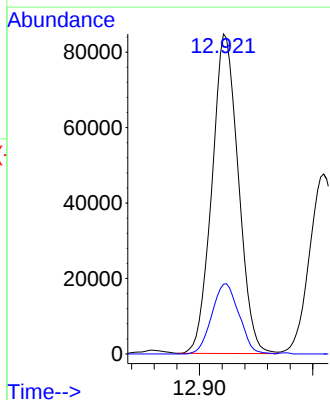
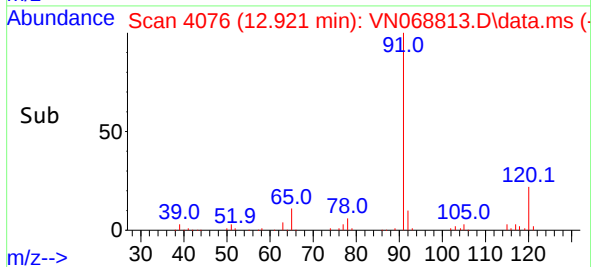
Tgt Ion:156 Resp: 27808  
Ion Ratio Lower Upper  
156 100  
77 208.3 136.2 408.6  
158 100.2 48.4 145.3



#78  
n-propylbenzene  
Concen: 5.16 ug/l  
RT: 12.921 min Scan# 4076  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26



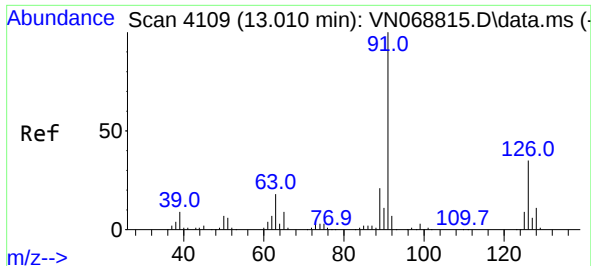
Tgt Ion: 91 Resp: 136900  
Ion Ratio Lower Upper  
91 100  
120 22.6 10.4 31.4



Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

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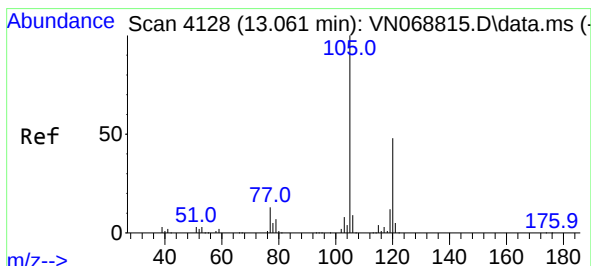
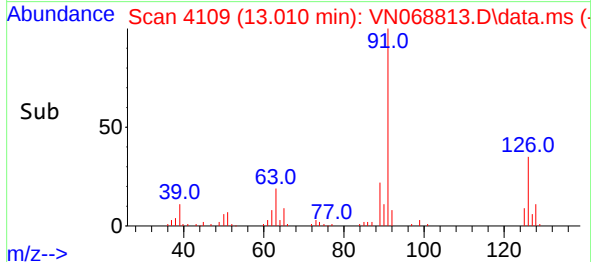
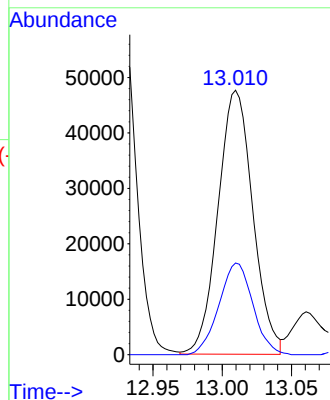
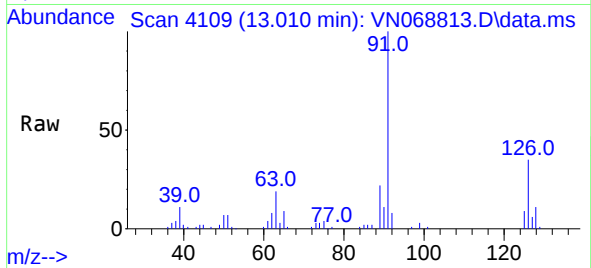
#79  
2-Chlorotoluene  
Concen: 5.41 ug/l  
RT: 13.010 min Scan# 4109  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion: 91 Resp: 83439  
Ion Ratio Lower Upper  
91 100  
126 33.8 14.5 43.5

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC005

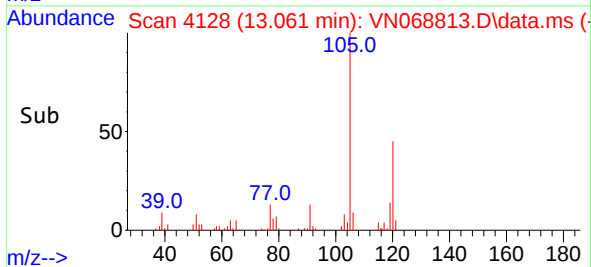
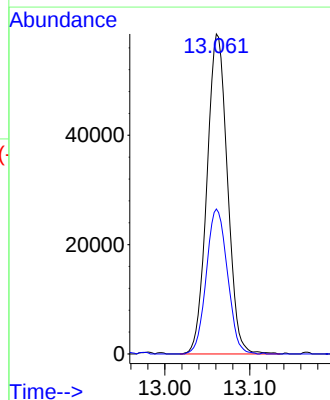
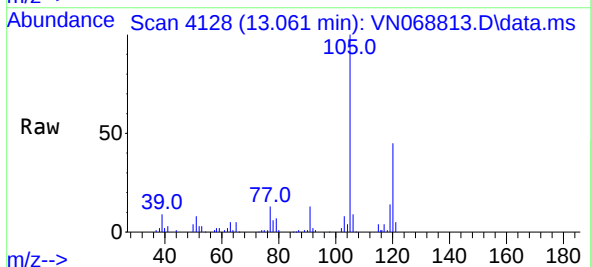
Manual Integrations  
APPROVED

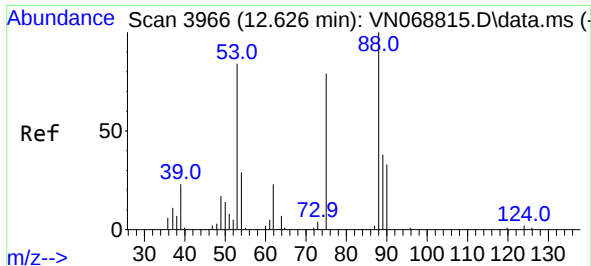
MMDadoda  
10/7/2021 5:34:15 PM



#80  
1,3,5-Trimethylbenzene  
Concen: 5.24 ug/l  
RT: 13.061 min Scan# 4128  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

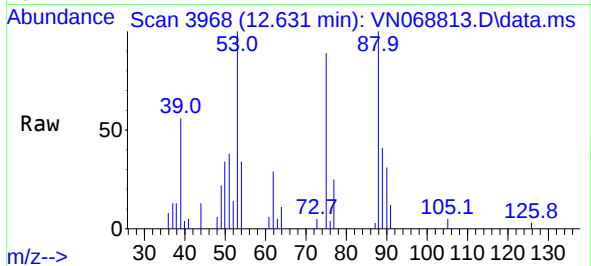
Tgt Ion: 105 Resp: 98031  
Ion Ratio Lower Upper  
105 100  
120 46.7 22.2 66.6





#81  
trans-1,4-Dichloro-2-butene  
Concen: 4.69 ug/l  
RT: 12.631 min Scan# 3968  
Delta R.T. 0.005 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

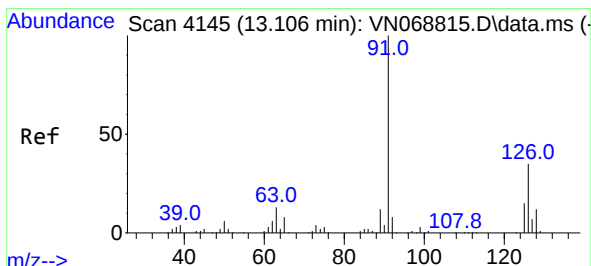
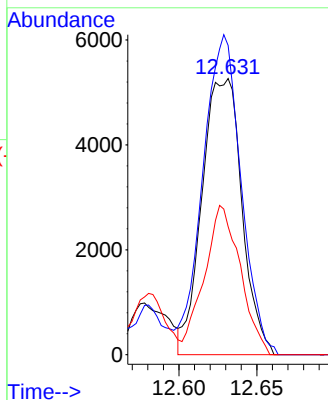
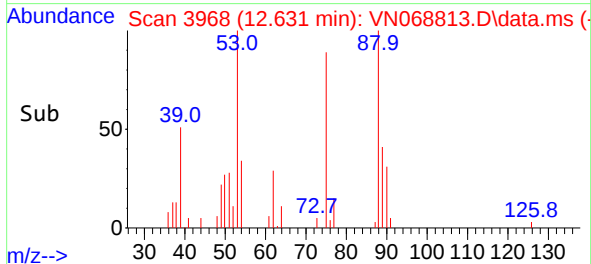
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005



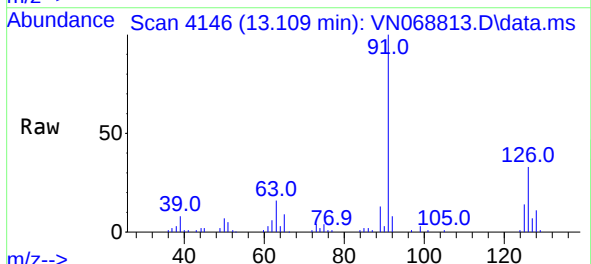
Tgt Ion: 75 Resp: 9376  
Ion Ratio Lower Upper  
75 100  
53 111.5 87.6 131.4  
89 48.9 37.8 56.8

Manual Integrations  
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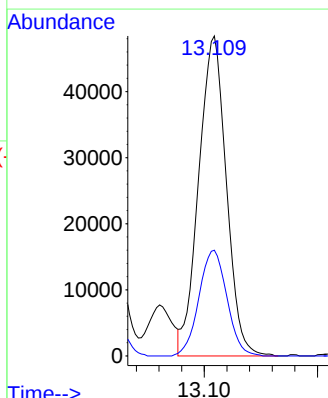
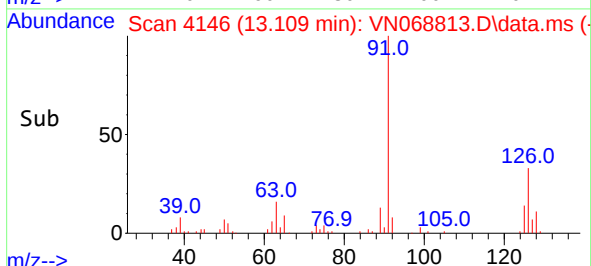
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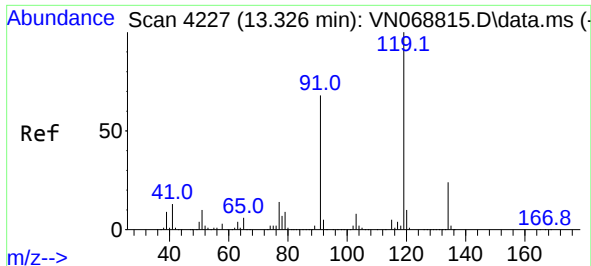


#82  
4-Chlorotoluene  
Concen: 5.30 ug/l  
RT: 13.109 min Scan# 4146  
Delta R.T. 0.002 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26



Tgt Ion: 91 Resp: 81884  
Ion Ratio Lower Upper  
91 100  
126 33.5 14.8 44.4





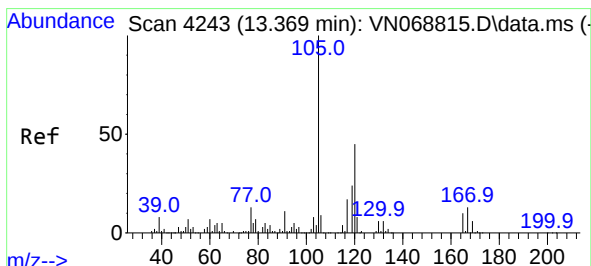
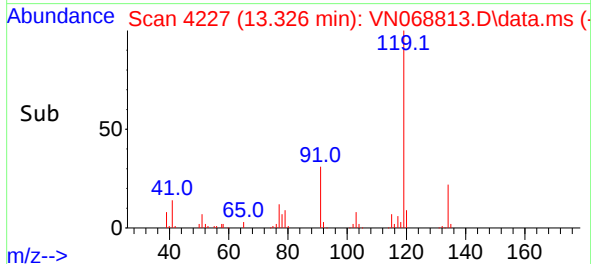
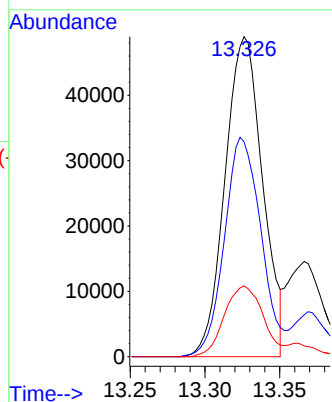
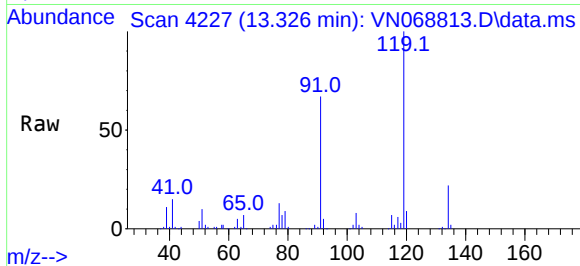
#83  
tert-Butylbenzene  
Concen: 5.17 ug/l  
RT: 13.326 min Scan# 4227  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion:119 Resp: 85604  
Ion Ratio Lower Upper  
119 100  
91 67.0 39.5 118.5  
134 22.9 12.0 36.0

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

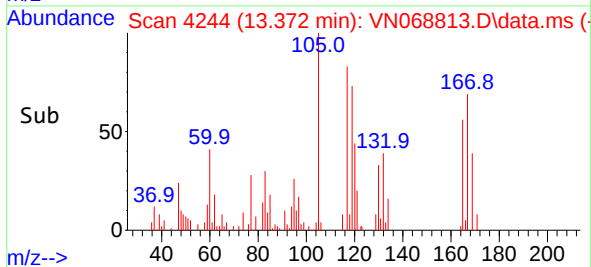
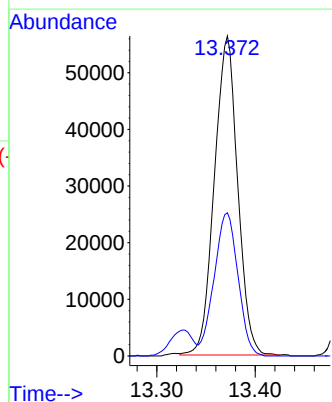
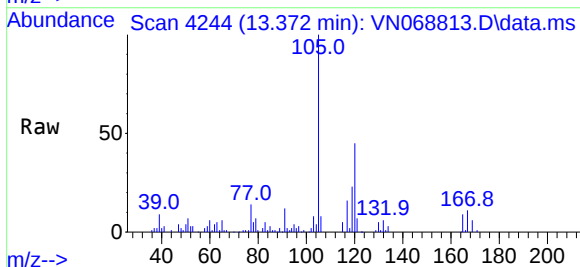
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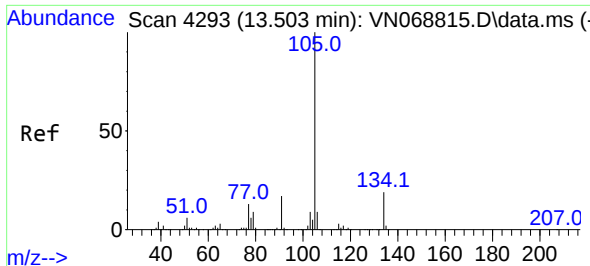
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#84  
1,2,4-Trimethylbenzene  
Concen: 5.07 ug/l  
RT: 13.372 min Scan# 4244  
Delta R.T. 0.002 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

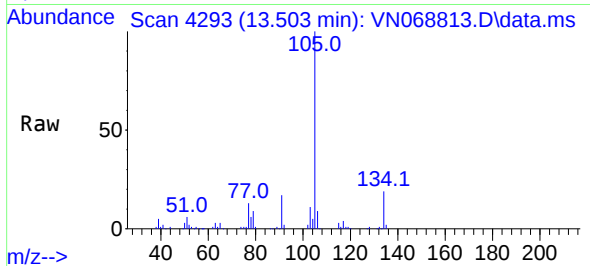
Tgt Ion:105 Resp: 92777  
Ion Ratio Lower Upper  
105 100  
120 45.9 20.6 61.8





#85  
sec-Butylbenzene  
Concen: 5.10 ug/l  
RT: 13.503 min Scan# 4293  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

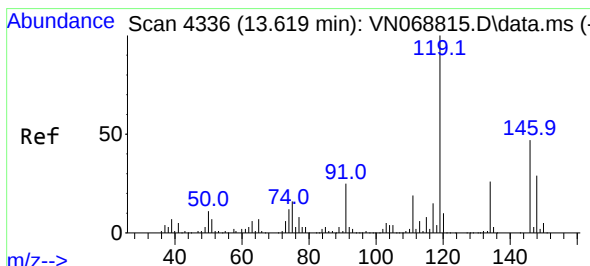
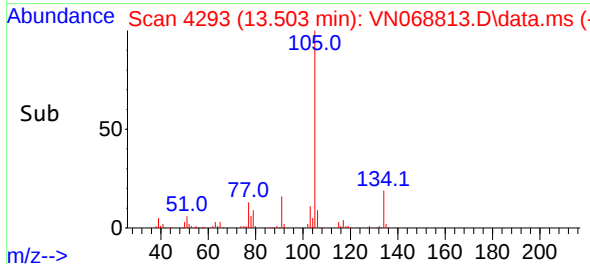
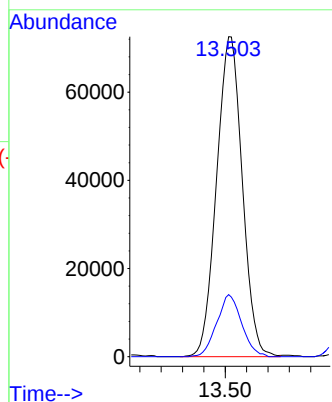
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005



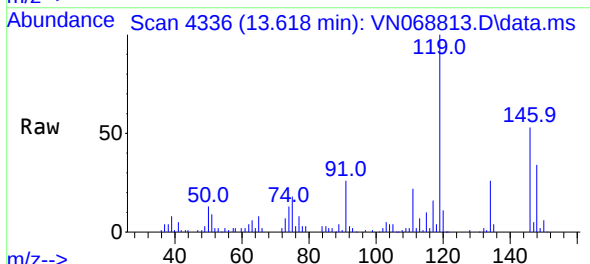
Tgt Ion:105 Resp: 121224  
Ion Ratio Lower Upper  
105 100  
134 18.8 9.0 27.1

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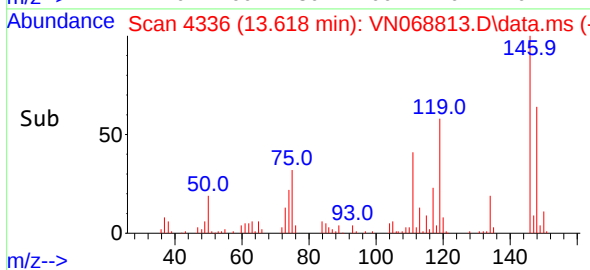
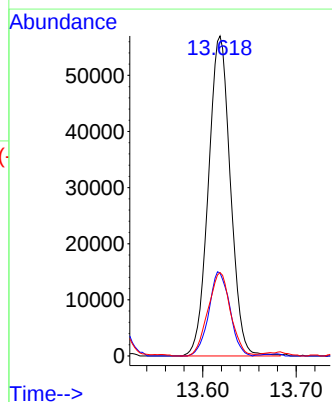
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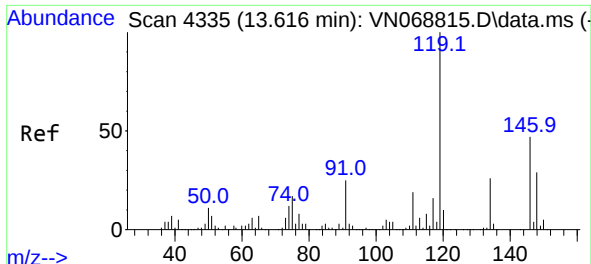


#86  
p-Isopropyltoluene  
Concen: 4.96 ug/l  
RT: 13.618 min Scan# 4336  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26



Tgt Ion:119 Resp: 93321  
Ion Ratio Lower Upper  
119 100  
134 25.2 12.4 37.4  
91 26.7 14.8 44.3





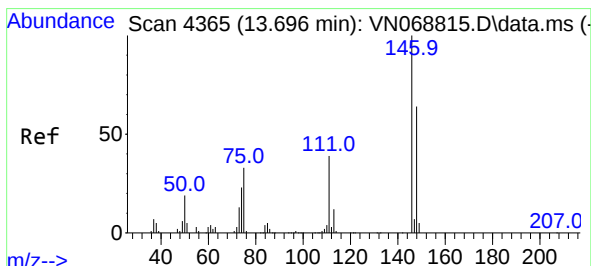
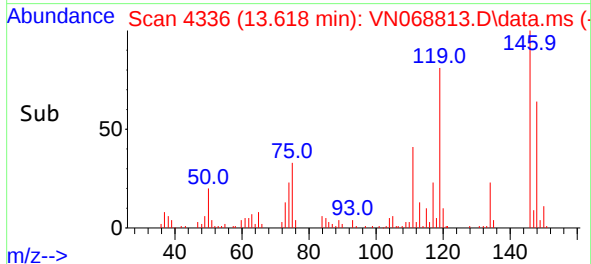
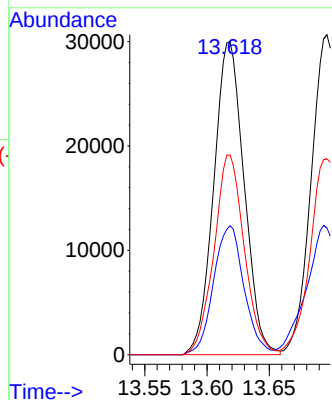
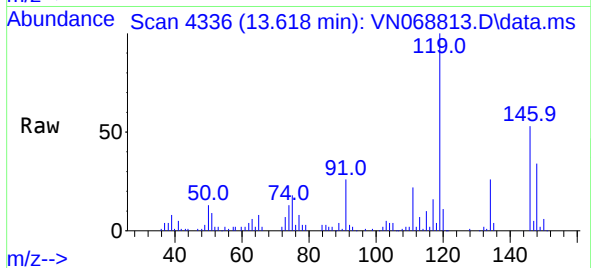
#87  
1,3-Dichlorobenzene  
Concen: 5.13 ug/l  
RT: 13.618 min Scan# 4336  
Delta R.T. 0.002 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion:146 Resp: 50827  
Ion Ratio Lower Upper  
146 100  
111 41.4 24.3 72.8  
148 63.7 32.0 96.0

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

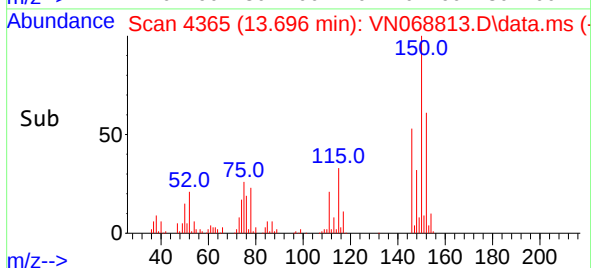
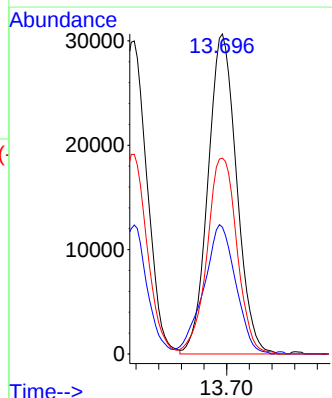
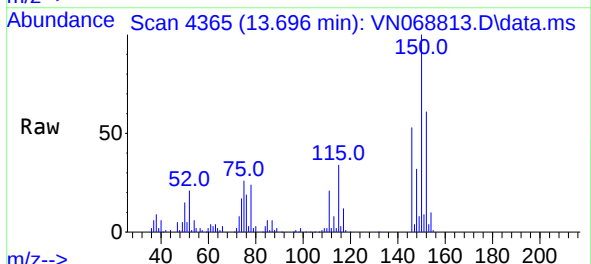
Manual Integrations  
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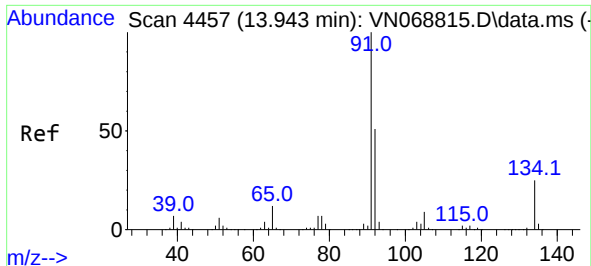
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#88  
1,4-Dichlorobenzene  
Concen: 5.46 ug/l  
RT: 13.696 min Scan# 4365  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

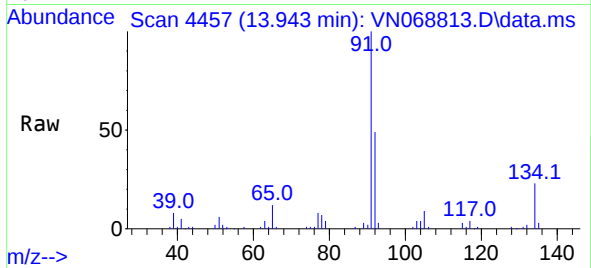
Tgt Ion:146 Resp: 53703  
Ion Ratio Lower Upper  
146 100  
111 45.3 23.4 70.2  
148 64.2 31.8 95.3





#89  
n-Butylbenzene  
Concen: 5.02 ug/l  
RT: 13.943 min Scan# 4457  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

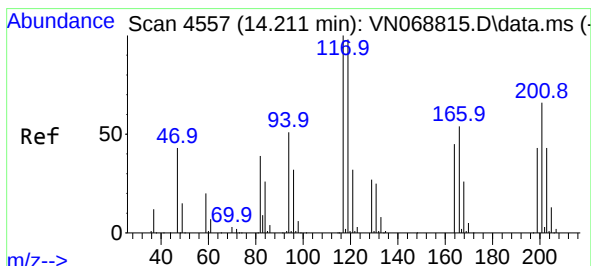
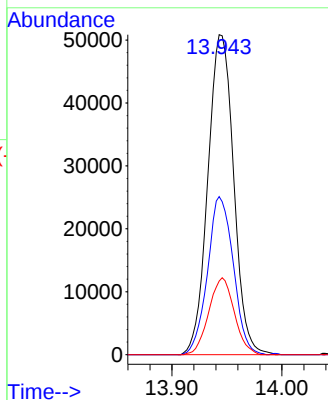
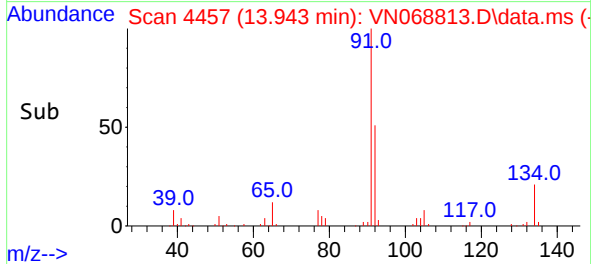
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005



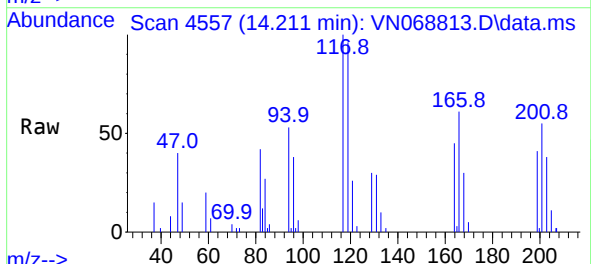
Tgt Ion: 91 Resp: 82971  
Ion Ratio Lower Upper  
91 100  
92 49.3 25.7 77.1  
134 23.7 11.2 33.6

Manual Integrations  
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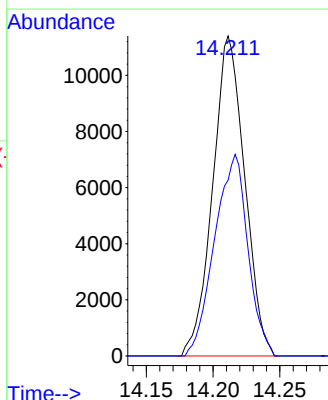
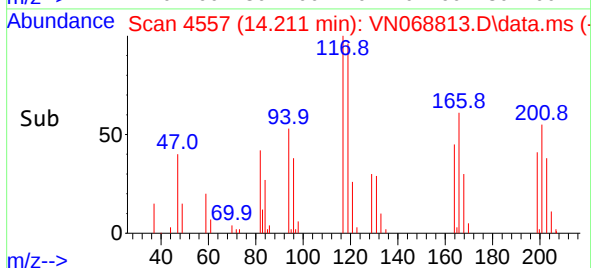
MMDadoda  
10/7/2021 5:34:15 PM

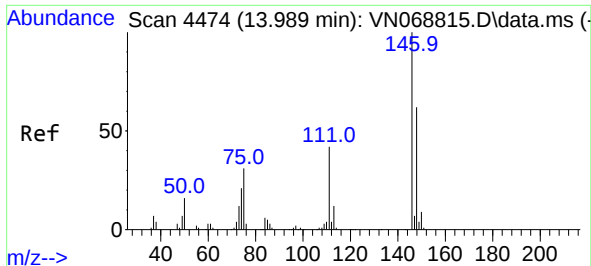


#90  
Hexachloroethane  
Concen: 4.94 ug/l  
RT: 14.211 min Scan# 4557  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26



Tgt Ion: 117 Resp: 18999  
Ion Ratio Lower Upper  
117 100  
201 65.6 33.5 100.5





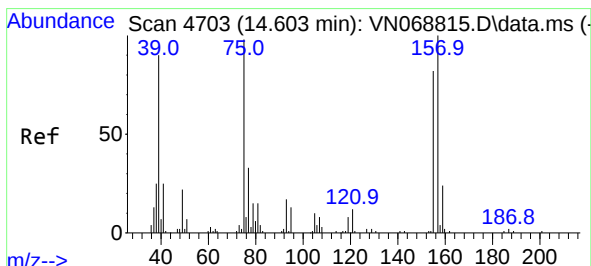
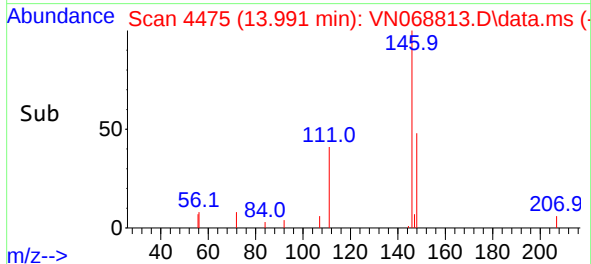
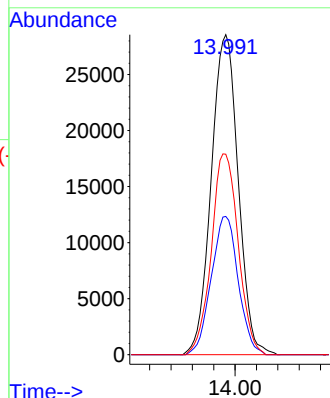
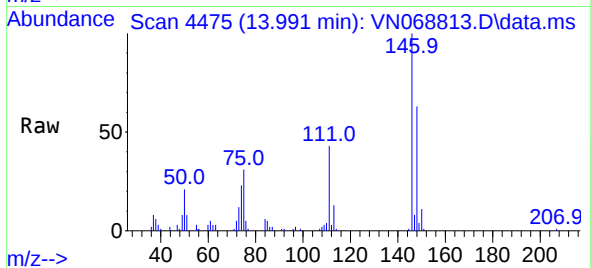
#91  
1,2-Dichlorobenzene  
Concen: 5.23 ug/l  
RT: 13.991 min Scan# 4475  
Delta R.T. 0.002 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

Tgt Ion:146 Resp: 50059  
Ion Ratio Lower Upper  
146 100  
111 43.2 24.9 74.6  
148 62.6 31.6 95.0

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

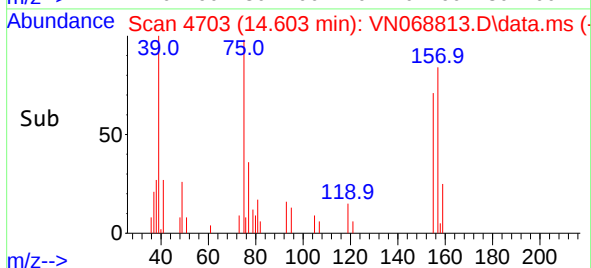
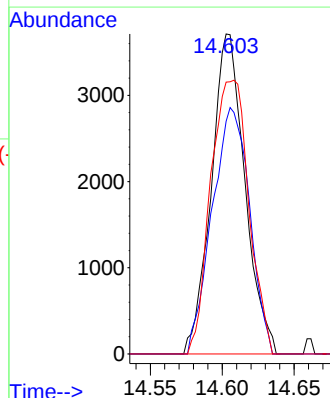
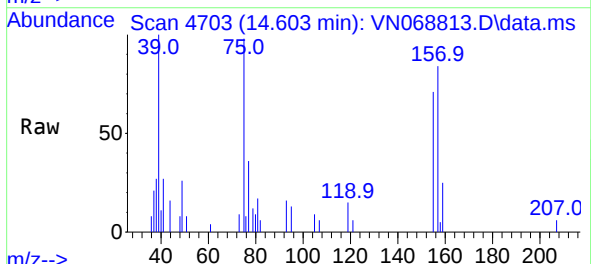
Manual Integrations  
APPROVED

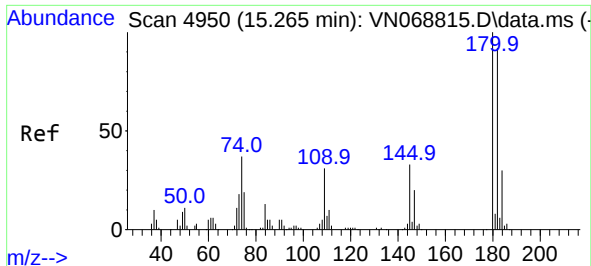
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#92  
1,2-Dibromo-3-Chloropropane  
Concen: 4.91 ug/l  
RT: 14.603 min Scan# 4703  
Delta R.T. -0.000 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

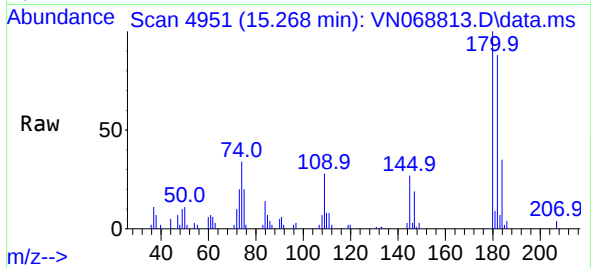
Tgt Ion: 75 Resp: 6032  
Ion Ratio Lower Upper  
75 100  
155 85.7 29.8 89.5  
157 97.0 37.6 112.8





#93  
1,2,4-Trichlorobenzene  
Concen: 5.81 ug/l  
RT: 15.268 min Scan# 4951  
Delta R.T. 0.002 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

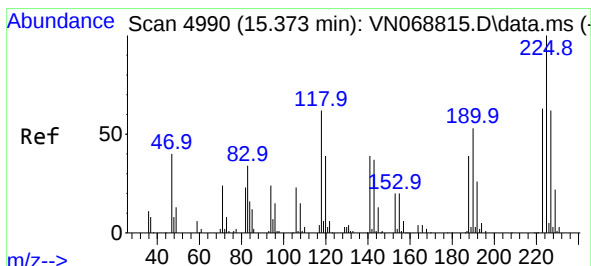
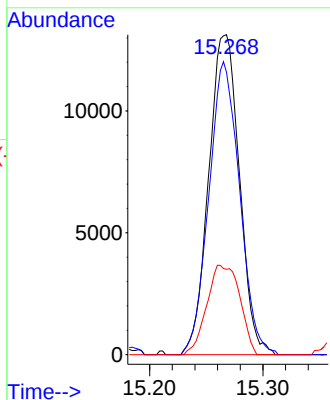
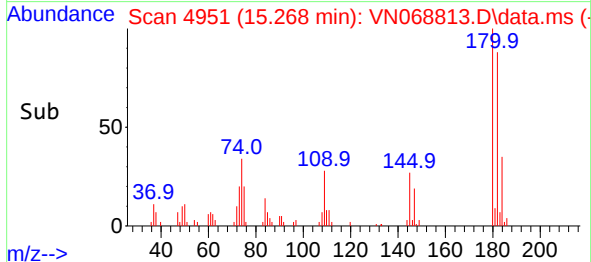
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005



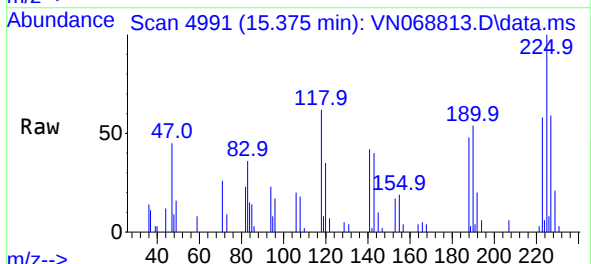
Tgt Ion:180 Resp: 24722  
Ion Ratio Lower Upper  
180 100  
182 91.6 47.5 142.5  
145 30.0 17.2 51.6

Manual Integrations  
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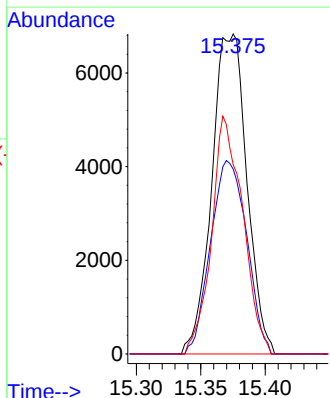
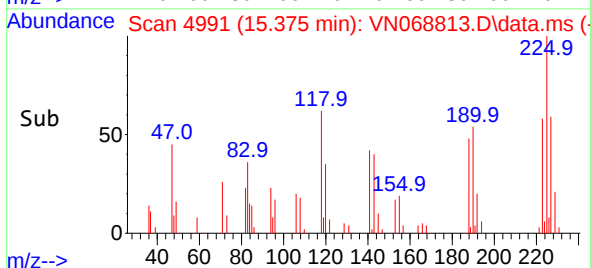
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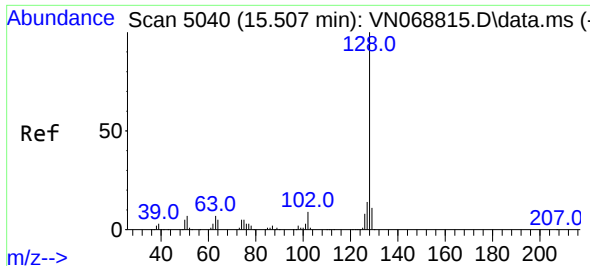


#94  
Hexachlorobutadiene  
Concen: 5.29 ug/l  
RT: 15.375 min Scan# 4991  
Delta R.T. 0.002 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26



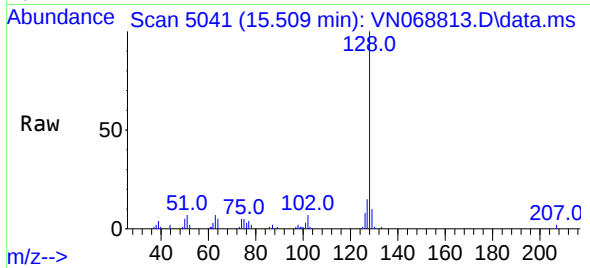
Tgt Ion:225 Resp: 12916  
Ion Ratio Lower Upper  
225 100  
223 62.4 31.4 94.0  
227 65.9 31.2 93.6





#95  
Naphthalene  
Concen: 6.19 ug/l  
RT: 15.509 min Scan# 5041  
Delta R.T. 0.002 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26

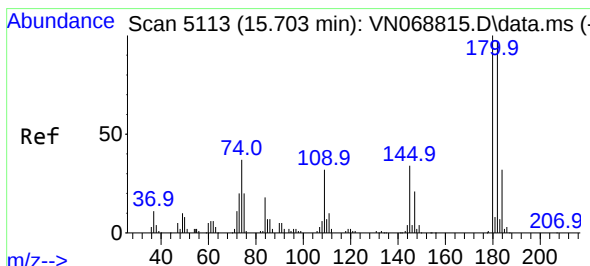
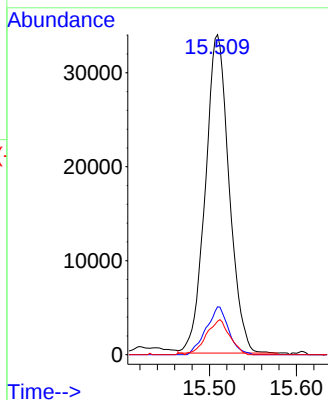
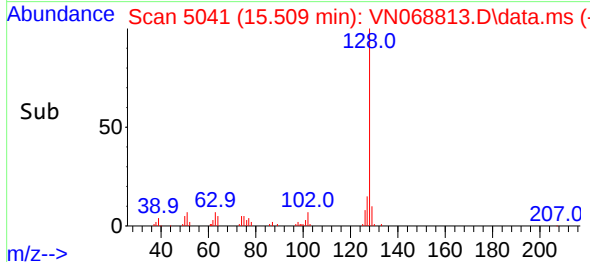
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005



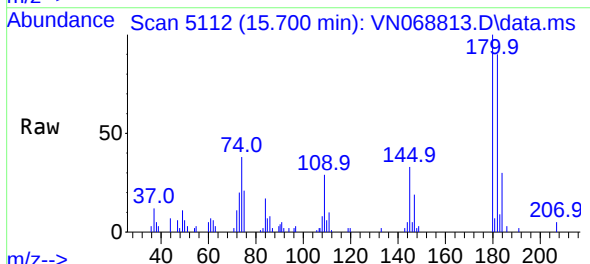
Tgt Ion:128 Resp: 64352  
Ion Ratio Lower Upper  
128 100  
127 14.2 10.6 15.8  
129 10.8 8.6 12.8

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 6.01 ug/l  
RT: 15.700 min Scan# 5112  
Delta R.T. -0.003 min  
Lab File: VN068813.D  
Acq: 6 Oct 2021 12:26



Tgt Ion:180 Resp: 24552  
Ion Ratio Lower Upper  
180 100  
182 95.7 47.8 143.3  
145 33.5 18.2 54.6

