

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060622\  
 Data File : VD073488.D  
 Acq On : 06 Jun 2022 21:43  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Jun 07 01:14:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 19 15:13:42 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.967  | 168  | 296358   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.855  | 114  | 498276   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.632 | 117  | 481813   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 249186   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |       |
|-----------------------------|--------|-------|----------|----------|------------|-------|
| System Monitoring Compounds |        |       |          |          |            |       |
| 33) 1,2-Dichloroethane-d4   | 8.320  | 65    | 166466   | 50.827   | ug/l       | 0.00  |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 101.660% |       |
| 35) Dibromofluoromethane    | 7.903  | 113   | 178336   | 54.239   | ug/l       | -0.01 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 108.480% |       |
| 50) Toluene-d8              | 10.332 | 98    | 629098   | 51.905   | ug/l       | 0.00  |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 103.800% |       |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 242607   | 57.037   | ug/l       | 0.00  |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 114.080% |       |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.991 | 85  | 155683  | 52.572  | ug/l   | 97  |
| 3) Chloromethane             | 2.203 | 50  | 143852  | 42.960  | ug/l   | 98  |
| 4) Vinyl Chloride            | 2.344 | 62  | 141862  | 46.331  | ug/l   | 96  |
| 5) Bromomethane              | 2.750 | 94  | 90657   | 45.849  | ug/l   | 97  |
| 6) Chloroethane              | 2.909 | 64  | 87830   | 46.661  | ug/l   | 93  |
| 7) Trichlorofluoromethane    | 3.262 | 101 | 278503  | 51.440  | ug/l   | 100 |
| 8) Diethyl Ether             | 3.703 | 74  | 83556   | 56.163  | ug/l   | 85  |
| 9) 1,1,2-Trichlorotrifluo... | 4.085 | 101 | 162730  | 50.374  | ug/l   | 94  |
| 10) Methyl Iodide            | 4.291 | 142 | 165216  | 47.403  | ug/l   | 99  |
| 11) Tert butyl alcohol       | 5.220 | 59  | 51710   | 101.763 | ug/l   | 99  |
| 12) 1,1-Dichloroethene       | 4.056 | 96  | 151079  | 50.726  | ug/l   | 88  |
| 13) Acrolein                 | 3.915 | 56  | 23366   | 106.232 | ug/l   | 97  |
| 14) Allyl chloride           | 4.703 | 41  | 236894  | 49.276  | ug/l # | 91  |
| 15) Acrylonitrile            | 5.415 | 53  | 183561  | 269.822 | ug/l   | 96  |
| 16) Acetone                  | 4.150 | 43  | 132554  | 233.660 | ug/l # | 88  |
| 17) Carbon Disulfide         | 4.403 | 76  | 455353  | 46.120  | ug/l   | 98  |
| 18) Methyl Acetate           | 4.715 | 43  | 82433   | 52.256  | ug/l   | 91  |
| 19) Methyl tert-butyl Ether  | 5.473 | 73  | 378680  | 55.811  | ug/l   | 98  |
| 20) Methylene Chloride       | 4.956 | 84  | 191084  | 53.374  | ug/l # | 84  |
| 21) trans-1,2-Dichloroethene | 5.462 | 96  | 182867  | 50.782  | ug/l   | 85  |
| 22) Diisopropyl ether        | 6.362 | 45  | 521976  | 51.794  | ug/l # | 89  |
| 23) Vinyl Acetate            | 6.297 | 43  | 1434156 | 266.792 | ug/l # | 93  |
| 24) 1,1-Dichloroethane       | 6.256 | 63  | 320017  | 49.471  | ug/l   | 99  |
| 25) 2-Butanone               | 7.203 | 43  | 212926  | 256.546 | ug/l # | 89  |
| 26) 2,2-Dichloropropane      | 7.203 | 77  | 251824  | 45.648  | ug/l   | 95  |
| 27) cis-1,2-Dichloroethene   | 7.203 | 96  | 205744  | 51.635  | ug/l   | 90  |
| 28) Bromochloromethane       | 7.538 | 49  | 96055   | 43.101  | ug/l # | 77  |
| 29) Tetrahydrofuran          | 7.556 | 42  | 141025  | 262.776 | ug/l # | 88  |
| 30) Chloroform               | 7.703 | 83  | 350202  | 51.856  | ug/l   | 97  |
| 31) Cyclohexane              | 7.979 | 56  | 263660  | 46.067  | ug/l   | 89  |
| 32) 1,1,1-Trichloroethane    | 7.897 | 97  | 298596  | 50.553  | ug/l   | 96  |
| 36) 1,1-Dichloropropene      | 8.103 | 75  | 245969  | 49.741  | ug/l   | 96  |
| 37) Ethyl Acetate            | 7.285 | 43  | 100591  | 51.499  | ug/l # | 92  |
| 38) Carbon Tetrachloride     | 8.085 | 117 | 267818  | 53.428  | ug/l   | 99  |
| 39) Methylcyclohexane        | 9.350 | 83  | 283370  | 51.419  | ug/l   | 97  |
| 40) Benzene                  | 8.344 | 78  | 725495  | 50.906  | ug/l   | 99  |

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 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Jun 07 01:14:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 19 15:13:42 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.509  | 41   | 54868    | 48.213   | ug/l # | 80       |
| 42) 1,2-Dichloroethane        | 8.414  | 62   | 207241   | 52.261   | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.444  | 43   | 196986   | 54.562   | ug/l # | 91       |
| 44) Trichloroethene           | 9.103  | 130  | 198025   | 52.106   | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.379  | 63   | 185235   | 51.610   | ug/l   | 99       |
| 46) Dibromomethane            | 9.461  | 93   | 102305   | 51.900   | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.655  | 83   | 259548   | 51.460   | ug/l # | 96       |
| 48) Methyl methacrylate       | 9.450  | 41   | 96209    | 52.967   | ug/l # | 86       |
| 49) 1,4-Dioxane               | 9.455  | 88   | 24114    | 1184.576 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.220 | 43   | 514958   | 274.624  | ug/l   | 91       |
| 52) Toluene                   | 10.391 | 92   | 482271   | 53.551   | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.608 | 75   | 241522   | 53.005   | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.079 | 75   | 287379   | 52.703   | ug/l # | 85       |
| 55) 1,1,2-Trichloroethane     | 10.791 | 97   | 145844   | 54.714   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.650 | 69   | 176650   | 59.604   | ug/l # | 82       |
| 57) 1,3-Dichloropropane       | 10.938 | 76   | 242235   | 54.160   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.932  | 63   | 374061   | 264.301  | ug/l   | 94       |
| 59) 2-Hexanone                | 10.973 | 43   | 349147   | 282.424  | ug/l   | 92       |
| 60) Dibromochloromethane      | 11.126 | 129  | 185195   | 55.718   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.238 | 107  | 139698   | 54.845   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.867 | 164  | 164353   | 52.080   | ug/l   | 89       |
| 65) Chlorobenzene             | 11.661 | 112  | 515712   | 52.175   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.732 | 131  | 195510   | 53.334   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.732 | 91   | 906364   | 52.235   | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.844 | 106  | 717862   | 106.487  | ug/l   | 99       |
| 69) o-Xylene                  | 12.167 | 106  | 338562   | 54.669   | ug/l   | 97       |
| 70) Styrene                   | 12.185 | 104  | 599963   | 56.309   | ug/l   | 97       |
| 71) Bromoform                 | 12.349 | 173  | 107769   | 57.122   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.467 | 105  | 888374   | 50.009   | ug/l   | 98       |
| 74) N-amyl acetate            | 12.273 | 43   | 201093   | 51.891   | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 164496   | 50.208   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.767 | 75   | 207533   | 84.882   | ug/l # | 100      |
| 77) Bromobenzene              | 12.749 | 156  | 210549   | 50.350   | ug/l   | 92       |
| 78) n-propylbenzene           | 12.808 | 91   | 1104107  | 49.508   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.896 | 91   | 635424   | 49.347   | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene    | 12.944 | 105  | 775315   | 51.522   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.514 | 75   | 50651    | 49.734   | ug/l   | 86       |
| 82) 4-Chlorotoluene           | 12.991 | 91   | 679147   | 50.319   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.208 | 119  | 641990   | 50.620   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 765831   | 51.515   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.385 | 105  | 974738   | 50.335   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.496 | 119  | 815632   | 51.669   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.502 | 146  | 433655   | 51.449   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.579 | 146  | 425012   | 49.951   | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.826 | 91   | 764769   | 50.846   | ug/l   | 98       |
| 90) Hexachloroethane          | 14.096 | 117  | 163430   | 50.035   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.873 | 146  | 380328   | 52.150   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.485 | 75   | 25193    | 50.212   | ug/l   | 87       |
| 93) 1,2,4-Trichlorobenzene    | 15.138 | 180  | 231426   | 55.894   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.249 | 225  | 119665   | 51.289   | ug/l   | 99       |
| 95) Naphthalene               | 15.379 | 128  | 440446   | 53.729   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.573 | 180  | 201977   | 55.026   | ug/l   | 99       |

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Acq On : 06 Jun 2022 21:43  
Operator : VA/SY  
Sample : VSTDCCC050  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 15 Sample Multiplier: 1

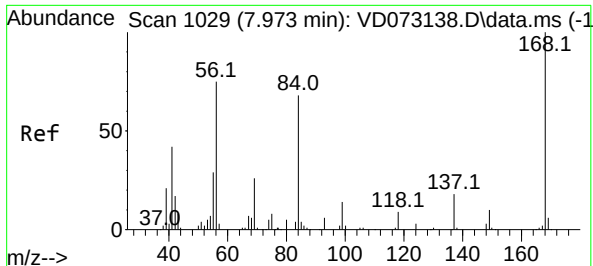
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Jun 07 01:14:57 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
Quant Title : SW846 8260  
QLast Update : Thu May 19 15:13:42 2022  
Response via : Initial Calibration

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

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

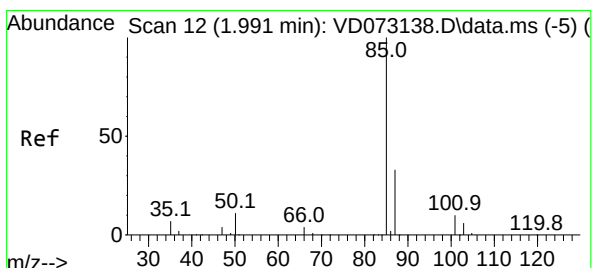
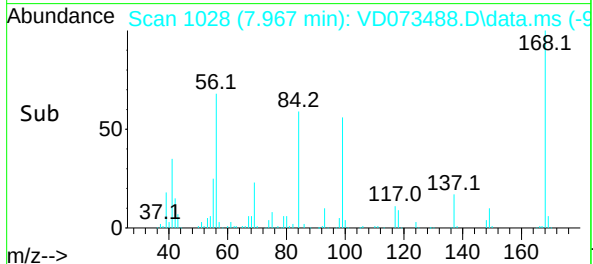
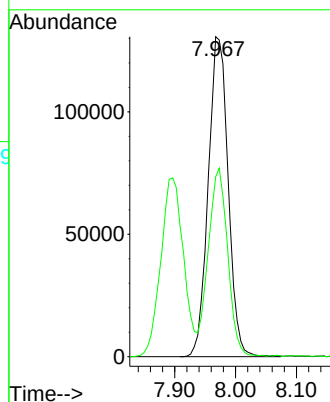
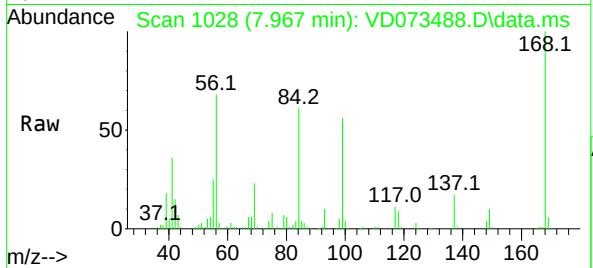




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.967 min Scan# 1028  
Delta R.T. -0.006 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

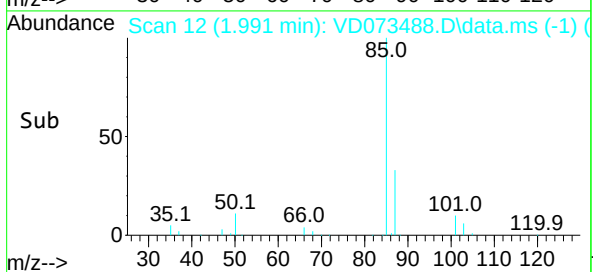
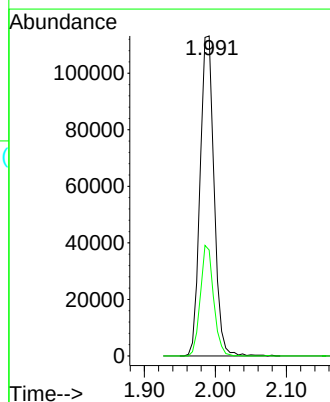
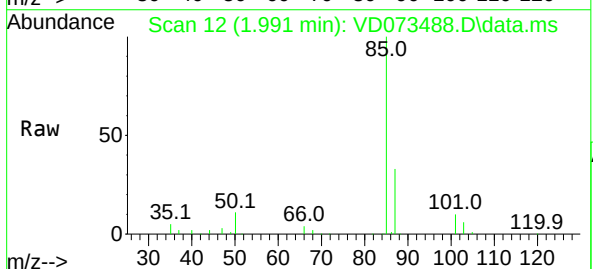
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

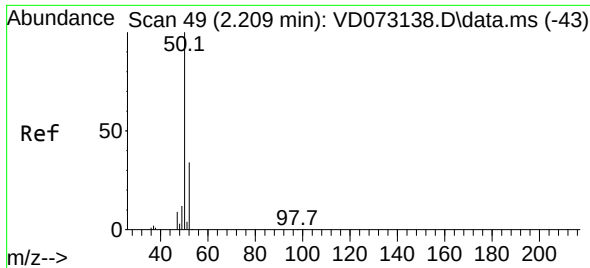
Tgt Ion:168 Resp: 296358  
Ion Ratio Lower Upper  
168 100  
99 55.9 49.8 74.6



#2  
Dichlorodifluoromethane  
Concen: 52.572 ug/l  
RT: 1.991 min Scan# 12  
Delta R.T. 0.000 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

Tgt Ion: 85 Resp: 155683  
Ion Ratio Lower Upper  
85 100  
87 33.1 15.7 47.0

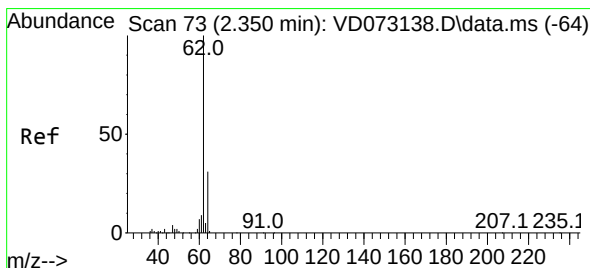
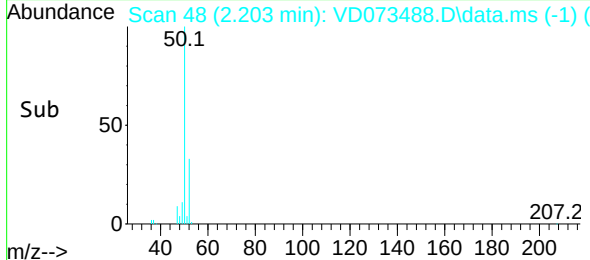
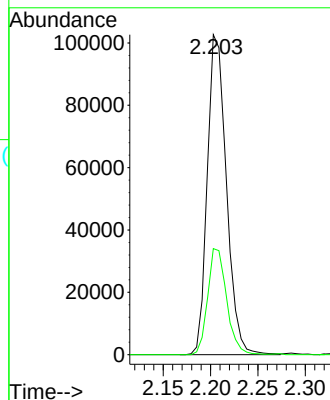
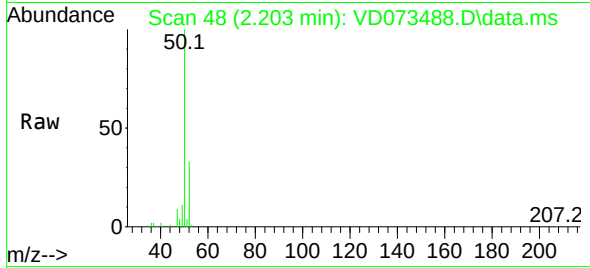




#3  
Chloromethane  
Concen: 42.960 ug/l  
RT: 2.203 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

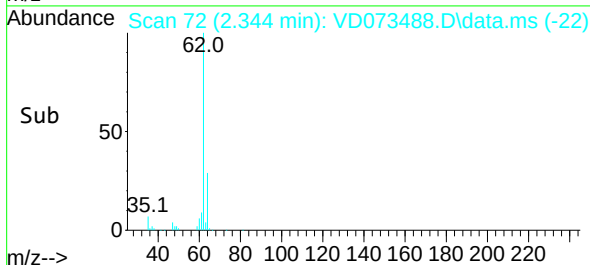
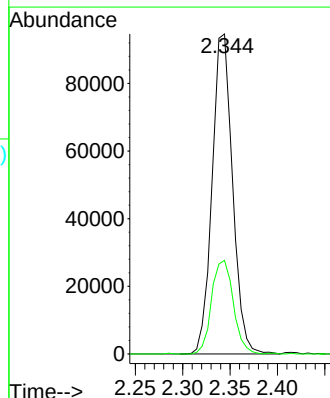
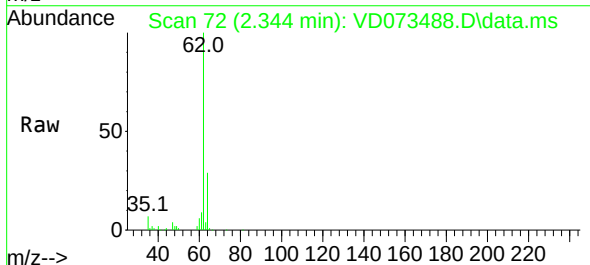
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

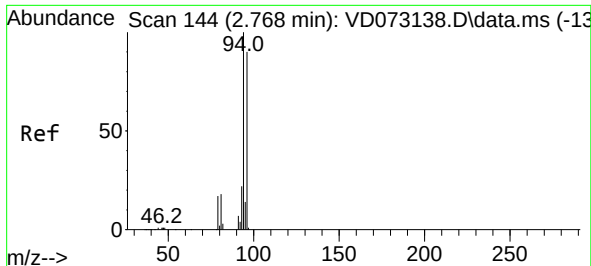
Tgt Ion: 50 Resp: 143852  
Ion Ratio Lower Upper  
50 100  
52 33.2 27.4 41.0



#4  
Vinyl Chloride  
Concen: 46.331 ug/l  
RT: 2.344 min Scan# 72  
Delta R.T. -0.006 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

Tgt Ion: 62 Resp: 141862  
Ion Ratio Lower Upper  
62 100  
64 29.3 25.4 38.0

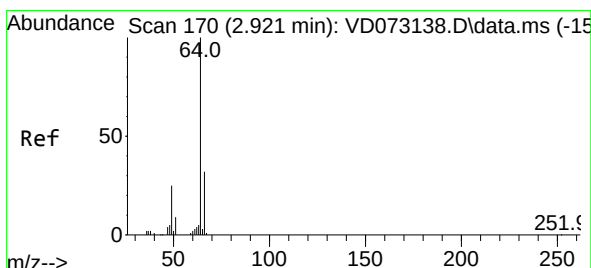
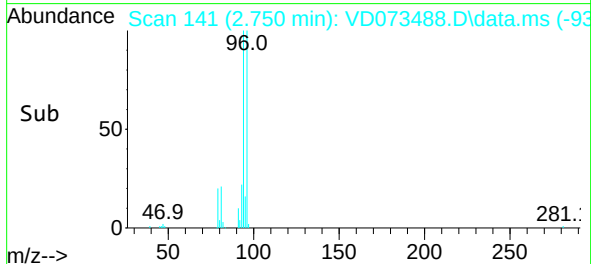
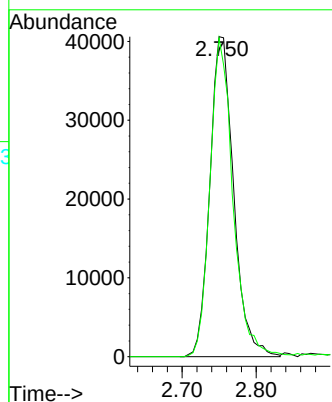
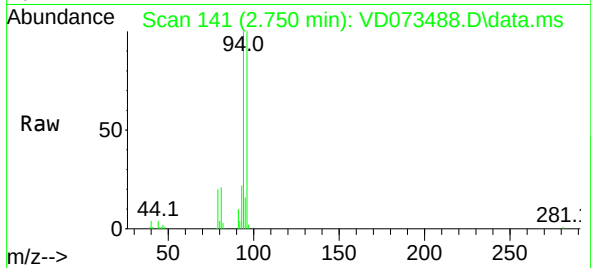




#5  
Bromomethane  
Concen: 45.849 ug/l  
RT: 2.750 min Scan# 144  
Delta R.T. -0.018 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

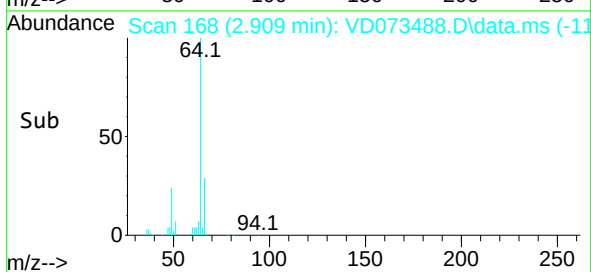
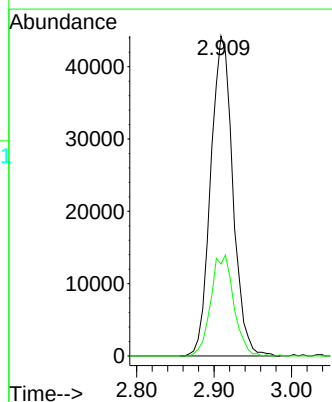
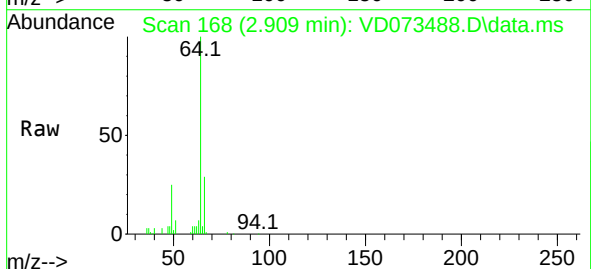
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

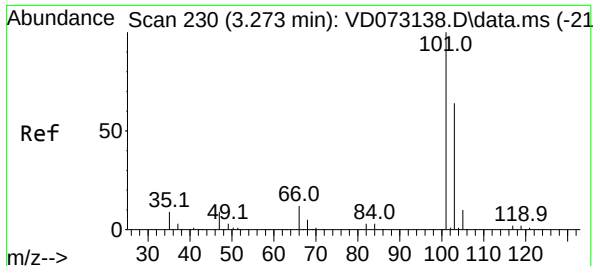
Tgt Ion: 94 Resp: 90657  
Ion Ratio Lower Upper  
94 100  
96 99.5 77.6 116.4



#6  
Chloroethane  
Concen: 46.661 ug/l  
RT: 2.909 min Scan# 168  
Delta R.T. -0.012 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

Tgt Ion: 64 Resp: 87830  
Ion Ratio Lower Upper  
64 100  
66 28.7 25.9 38.9

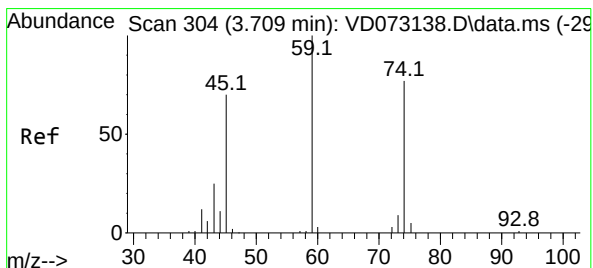
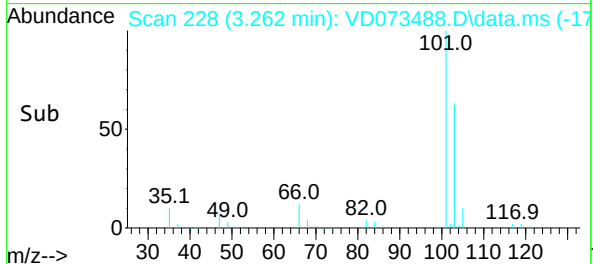
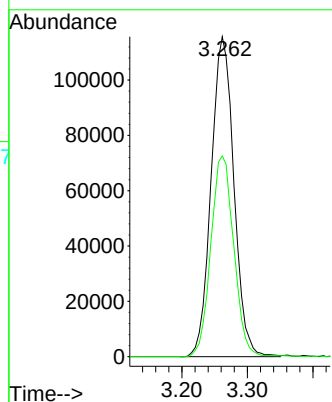
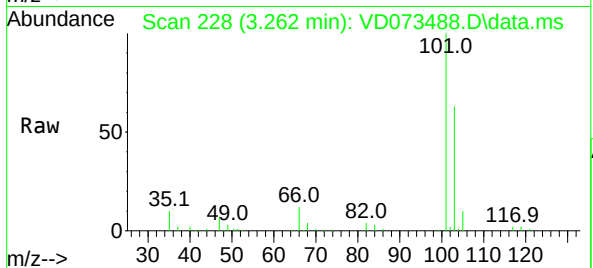




#7  
Trichlorofluoromethane  
Concen: 51.440 ug/l  
RT: 3.262 min Scan# 21  
Delta R.T. -0.011 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

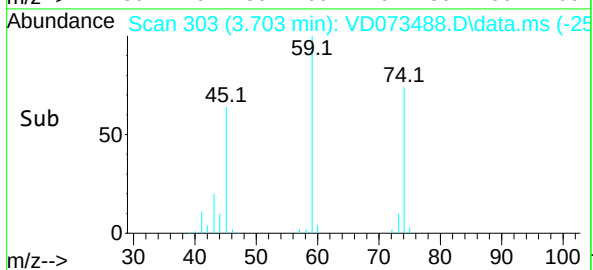
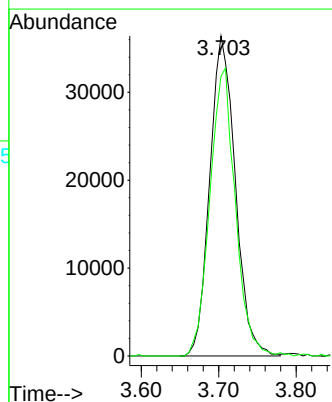
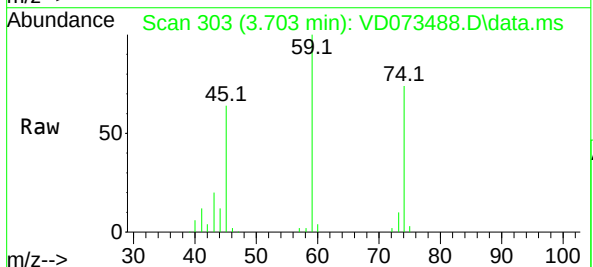
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:101 Resp: 278503  
Ion Ratio Lower Upper  
101 100  
103 62.8 50.1 75.1

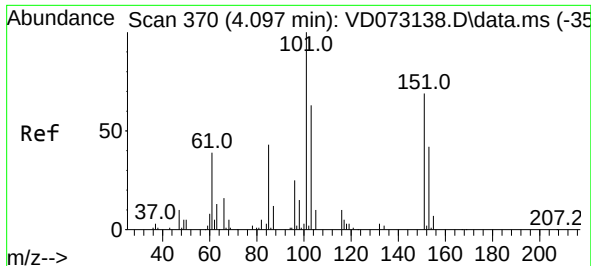


#8  
Diethyl Ether  
Concen: 56.163 ug/l  
RT: 3.703 min Scan# 303  
Delta R.T. -0.006 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

Tgt Ion: 74 Resp: 83556  
Ion Ratio Lower Upper  
74 100  
45 89.4 52.6 157.8



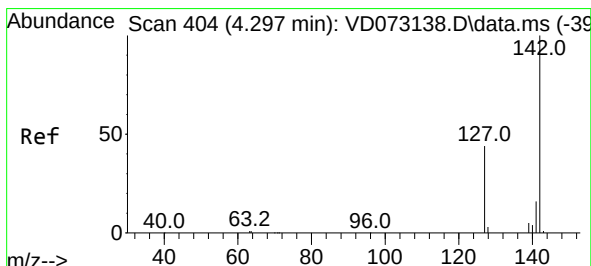
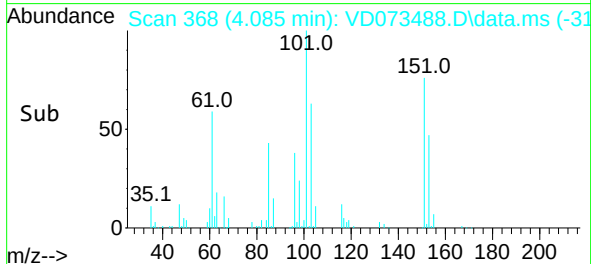
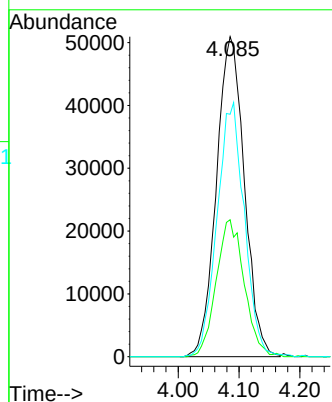
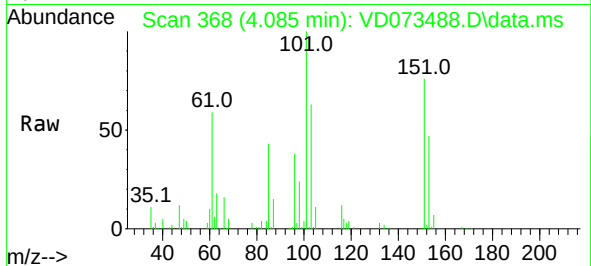




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 50.374 ug/l  
RT: 4.085 min Scan# 30  
Delta R.T. -0.012 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

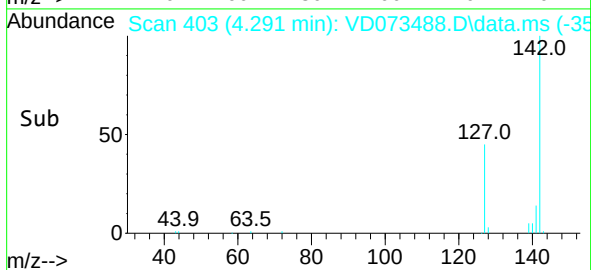
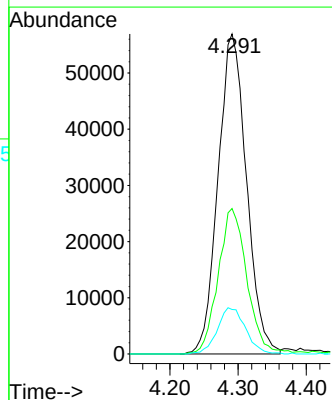
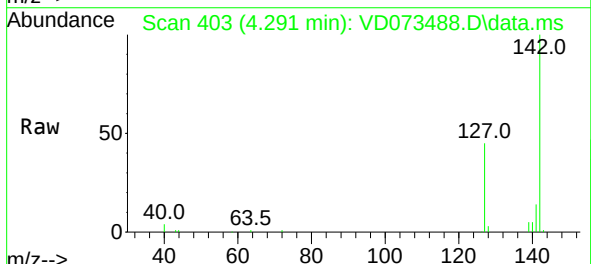
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

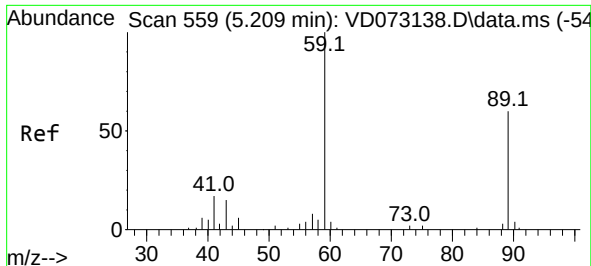
Tgt Ion:101 Resp: 162730  
Ion Ratio Lower Upper  
101 100  
85 42.8 36.4 54.6  
151 77.4 57.3 85.9



#10  
Methyl Iodide  
Concen: 47.403 ug/l  
RT: 4.291 min Scan# 403  
Delta R.T. -0.006 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

Tgt Ion:142 Resp: 165216  
Ion Ratio Lower Upper  
142 100  
127 46.1 37.3 55.9  
141 14.4 11.7 17.5





#11

Tert butyl alcohol

Concen: 101.763 ug/l

RT: 5.220 min Scan# 5

Delta R.T. 0.011 min

Lab File: VD073488.D

Acq: 06 Jun 2022 21:43

Instrument :

MSVOA\_D

ClientSampleId :

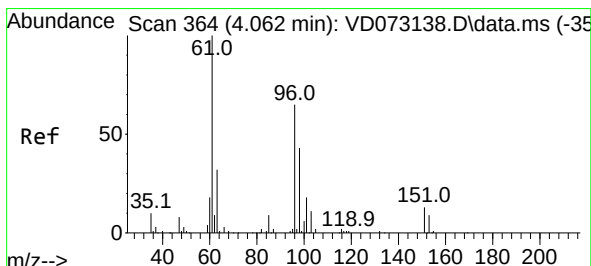
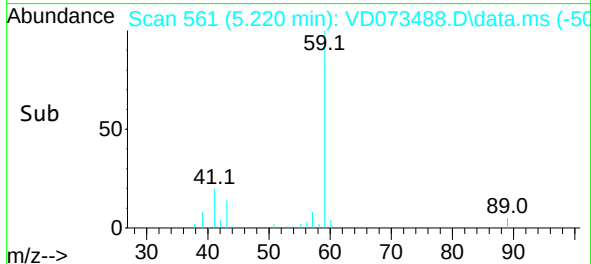
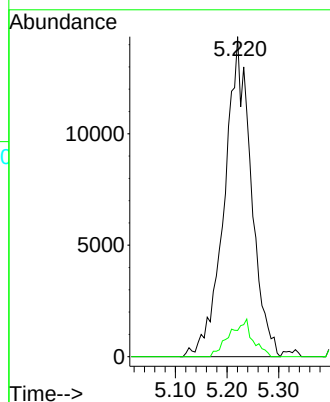
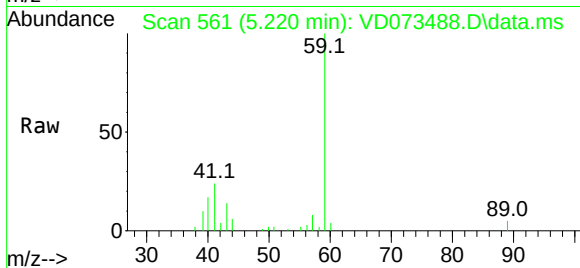
VSTDCCC050EC

Tgt Ion: 59 Resp: 51710

Ion Ratio Lower Upper

59 100

57 10.1 7.8 11.6



#12

1,1-Dichloroethene

Concen: 50.726 ug/l

RT: 4.056 min Scan# 363

Delta R.T. -0.006 min

Lab File: VD073488.D

Acq: 06 Jun 2022 21:43

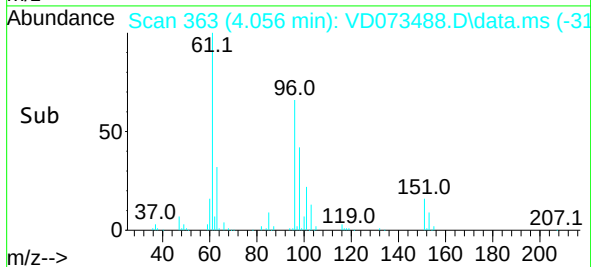
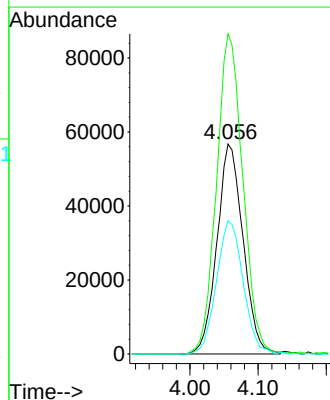
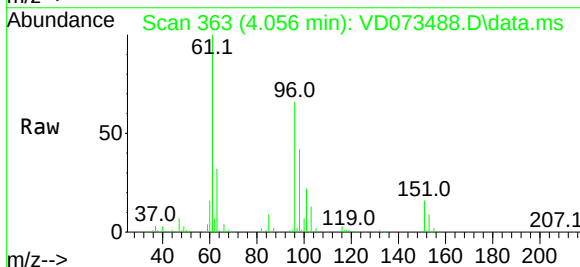
Tgt Ion: 96 Resp: 151079

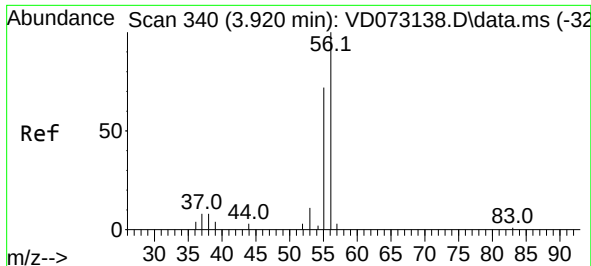
Ion Ratio Lower Upper

96 100

61 152.5 138.5 207.7

98 63.5 48.6 73.0

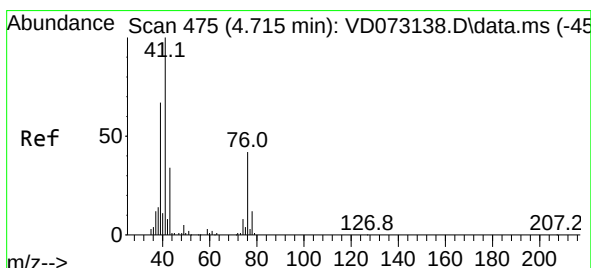
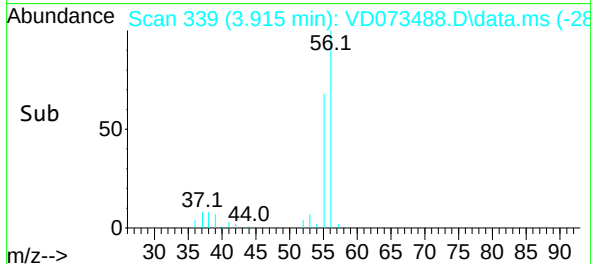
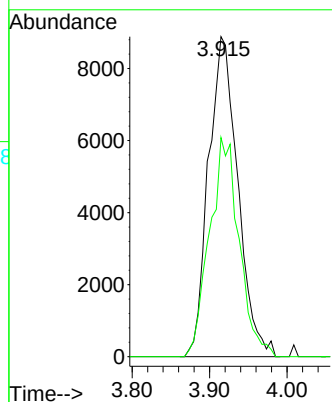
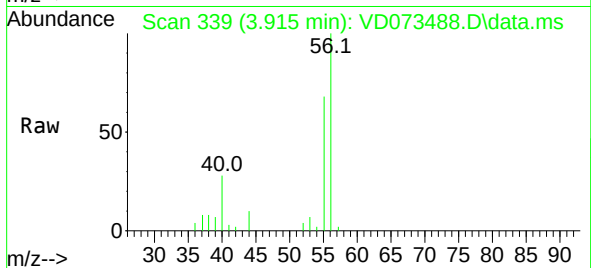




#13  
Acrolein  
Concen: 106.232 ug/l  
RT: 3.915 min Scan# 31  
Delta R.T. -0.005 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

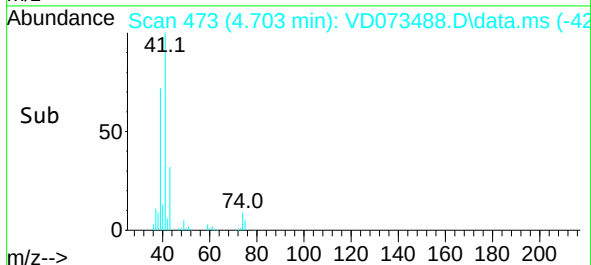
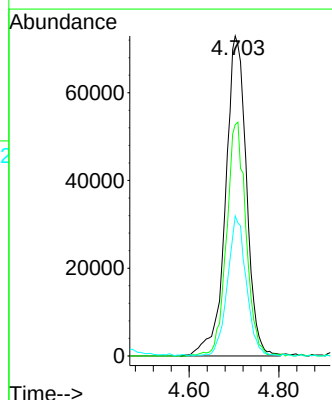
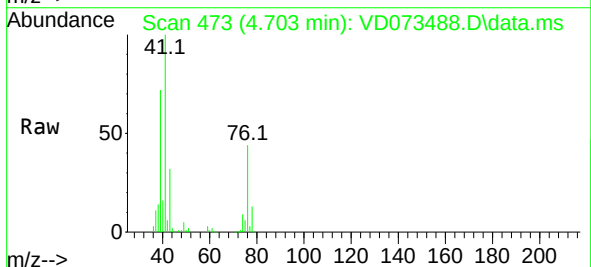
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

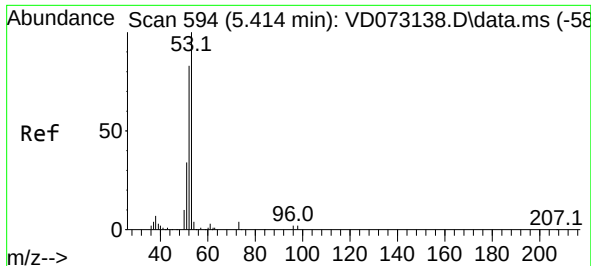
Tgt Ion: 56 Resp: 23366  
Ion Ratio Lower Upper  
56 100  
55 69.0 57.1 85.7



#14  
Allyl chloride  
Concen: 49.276 ug/l  
RT: 4.703 min Scan# 473  
Delta R.T. -0.012 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

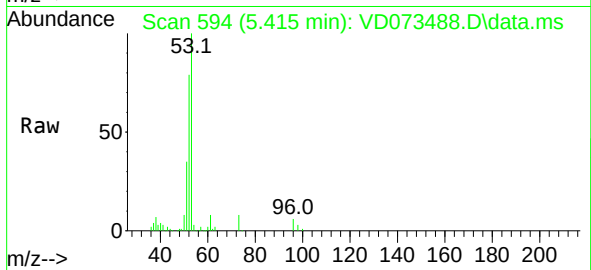
Tgt Ion: 41 Resp: 236894  
Ion Ratio Lower Upper  
41 100  
39 67.4 59.3 88.9  
76 39.4 25.7 38.5#



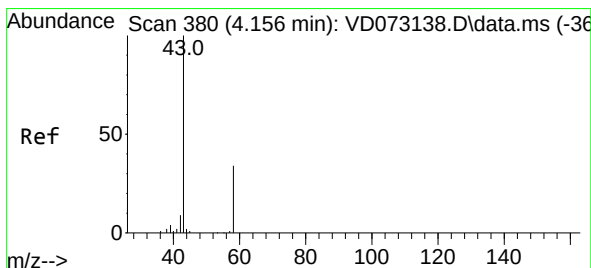
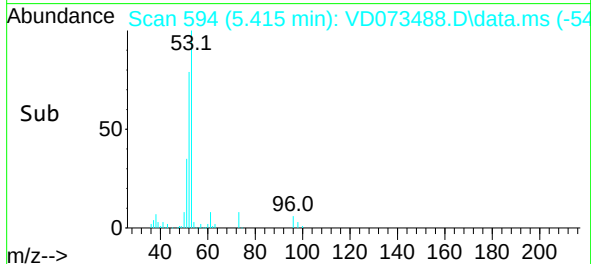
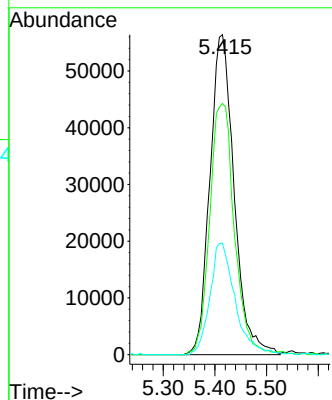


#15  
Acrylonitrile  
Concen: 269.822 ug/l  
RT: 5.415 min Scan# 594  
Delta R.T. 0.001 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

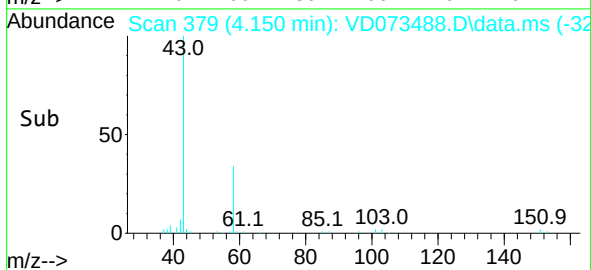
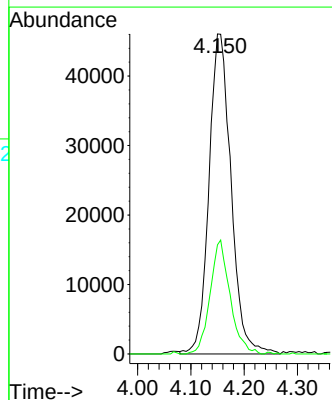
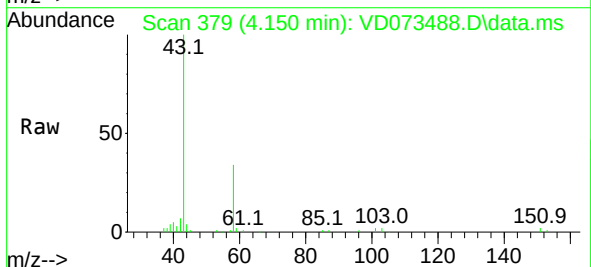


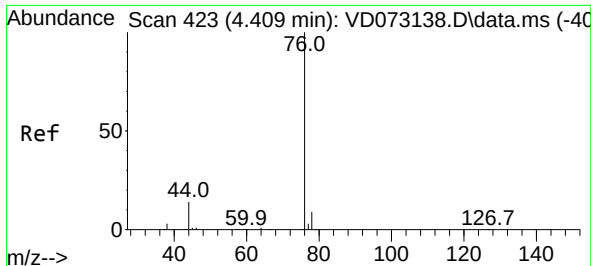
Tgt Ion: 53 Resp: 183561  
Ion Ratio Lower Upper  
53 100  
52 79.6 67.2 100.8  
51 36.2 30.3 45.5



#16  
Acetone  
Concen: 233.660 ug/l  
RT: 4.150 min Scan# 379  
Delta R.T. -0.006 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

Tgt Ion: 43 Resp: 132554  
Ion Ratio Lower Upper  
43 100  
58 34.1 22.1 33.1#

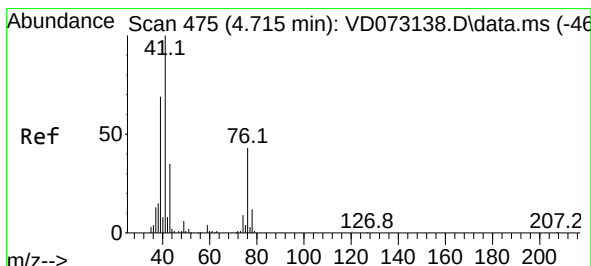
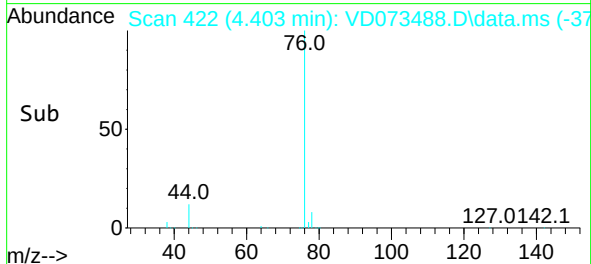
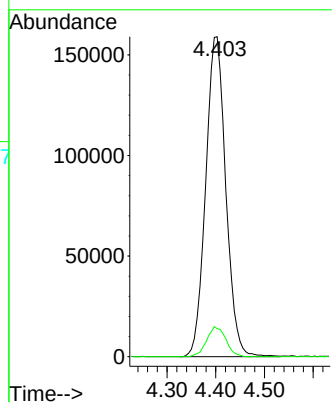
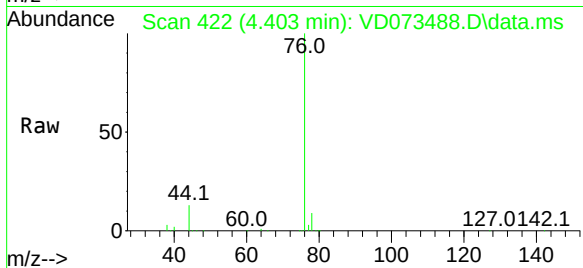




#17  
Carbon Disulfide  
Concen: 46.120 ug/l  
RT: 4.403 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

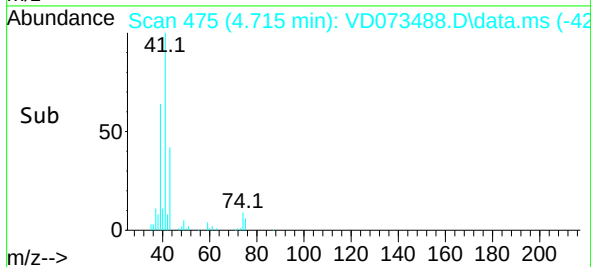
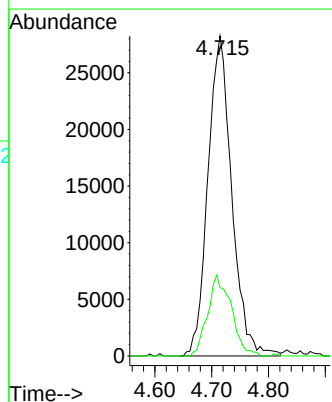
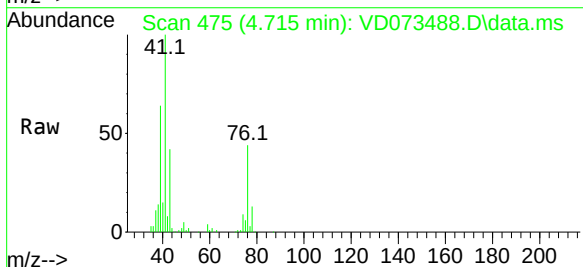
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

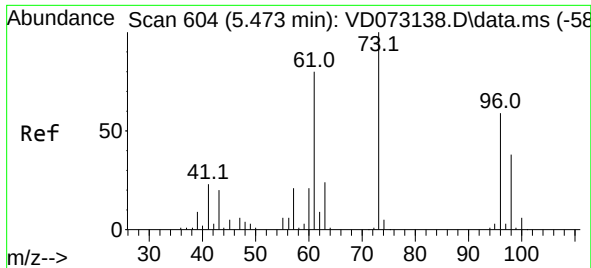
Tgt Ion: 76 Resp: 455353  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.5 11.3



#18  
Methyl Acetate  
Concen: 52.256 ug/l  
RT: 4.715 min Scan# 475  
Delta R.T. -0.000 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

Tgt Ion: 43 Resp: 82433  
Ion Ratio Lower Upper  
43 100  
74 25.0 16.7 25.1

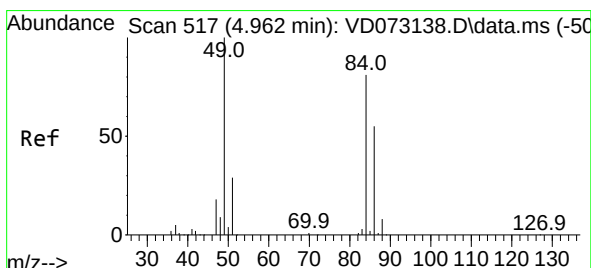
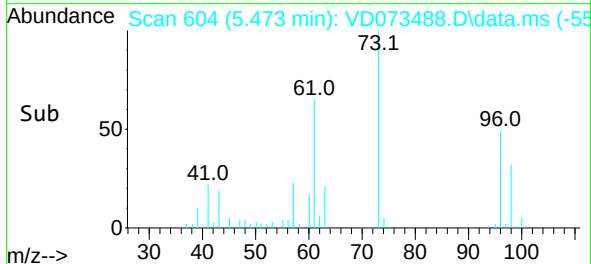
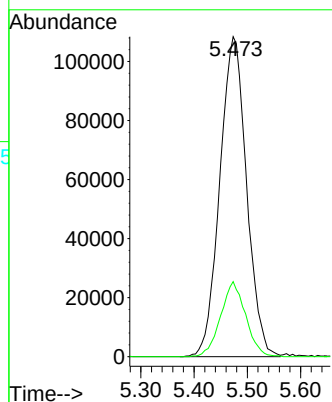
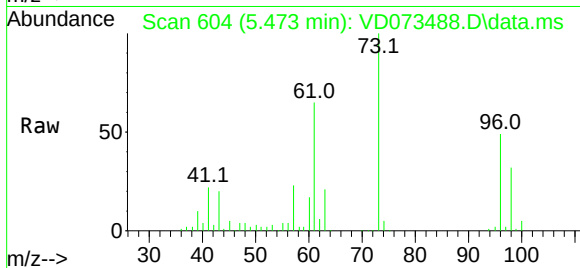




#19  
Methyl tert-butyl Ether  
Concen: 55.811 ug/l  
RT: 5.473 min Scan# 604  
Delta R.T. 0.000 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

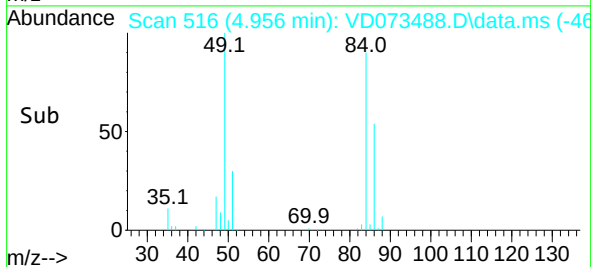
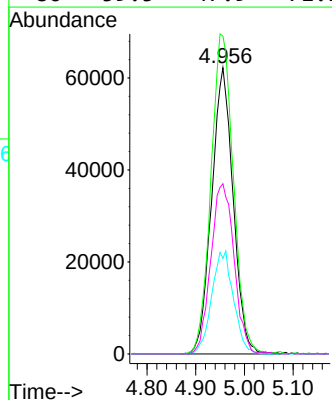
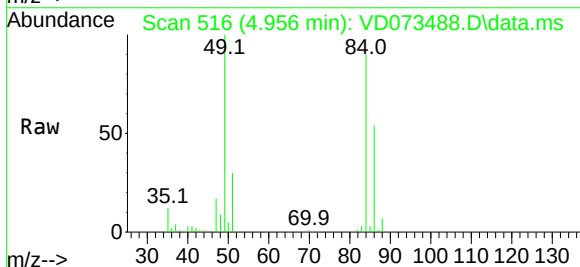
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

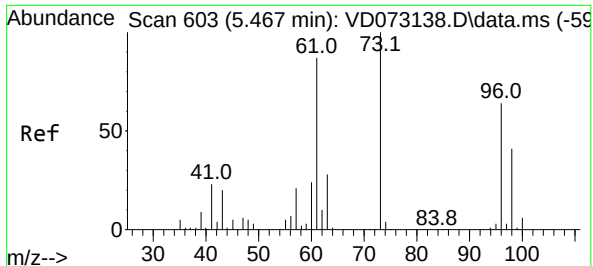
Tgt Ion: 73 Resp: 378680  
Ion Ratio Lower Upper  
73 100  
57 23.5 18.0 27.0



#20  
Methylene Chloride  
Concen: 53.374 ug/l  
RT: 4.956 min Scan# 516  
Delta R.T. -0.006 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

Tgt Ion: 84 Resp: 191084  
Ion Ratio Lower Upper  
84 100  
49 111.1 112.8 169.2#  
51 33.4 32.6 48.8  
86 59.5 47.9 71.9





#21

trans-1,2-Dichloroethene

Concen: 50.782 ug/l

RT: 5.462 min Scan# 603

Delta R.T. -0.005 min

Lab File: VD073488.D

Acq: 06 Jun 2022 21:43

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

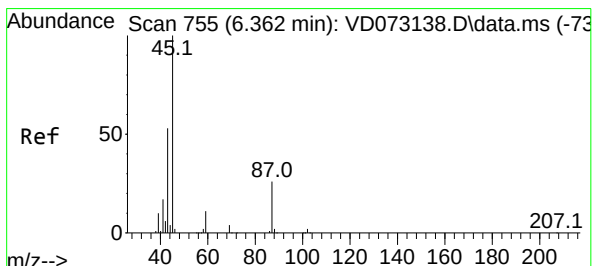
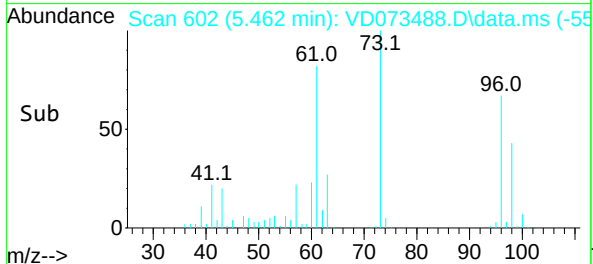
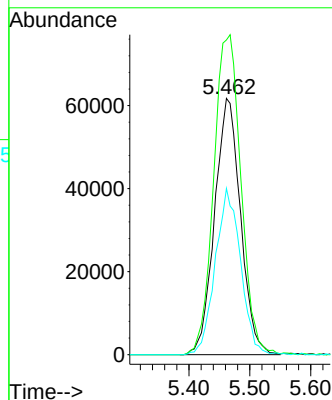
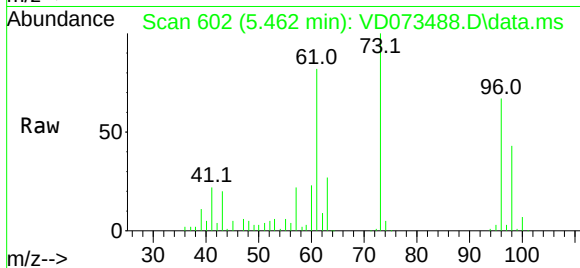
Tgt Ion: 96 Resp: 182867

Ion Ratio Lower Upper

96 100

61 122.8 117.9 176.9

98 64.8 49.4 74.2



#22

Diisopropyl ether

Concen: 51.794 ug/l

RT: 6.362 min Scan# 755

Delta R.T. -0.000 min

Lab File: VD073488.D

Acq: 06 Jun 2022 21:43

Tgt Ion: 45 Resp: 521976

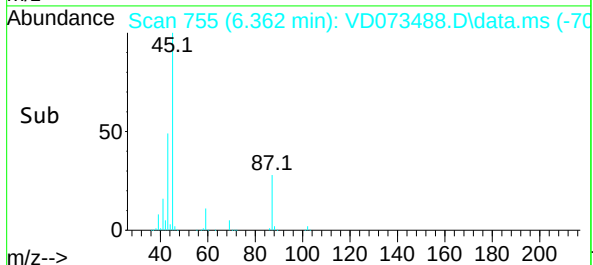
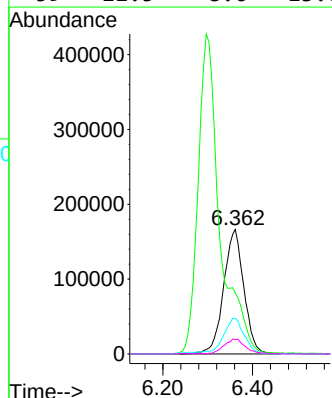
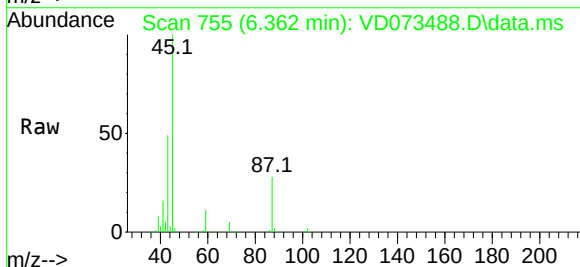
Ion Ratio Lower Upper

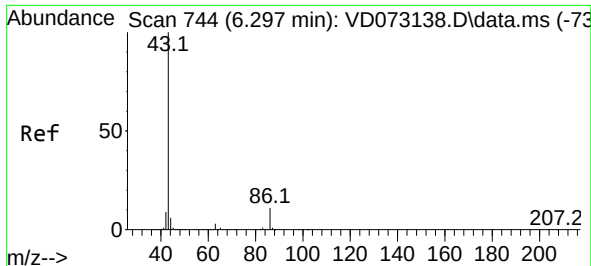
45 100

43 48.5 46.6 70.0

87 28.3 18.4 27.6#

59 11.5 8.6 13.0

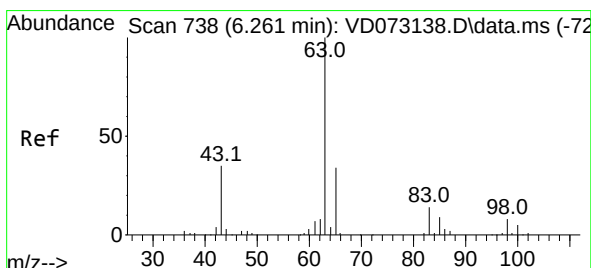
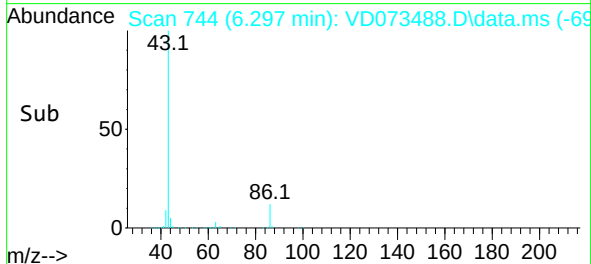
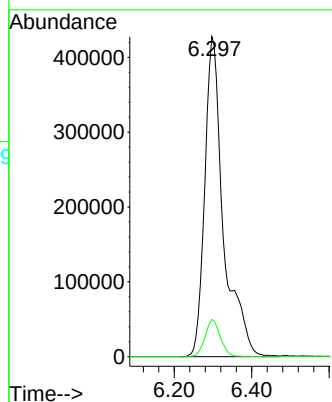
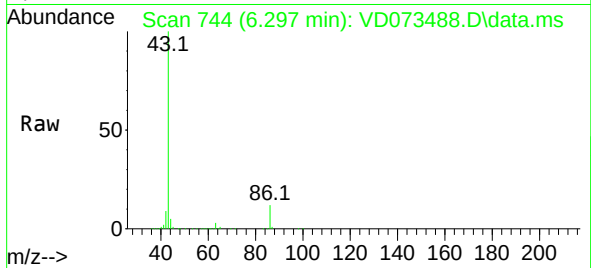




#23  
 Vinyl Acetate  
 Concen: 266.792 ug/l  
 RT: 6.297 min Scan# 744  
 Delta R.T. -0.000 min  
 Lab File: VD073488.D  
 Acq: 06 Jun 2022 21:43

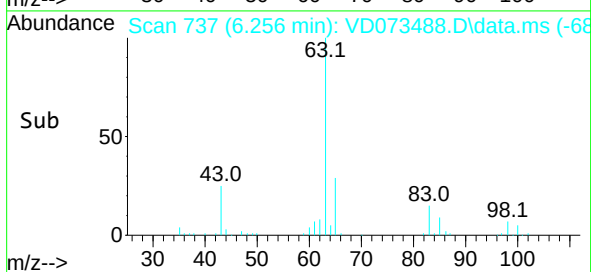
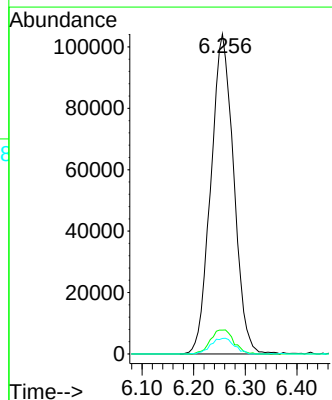
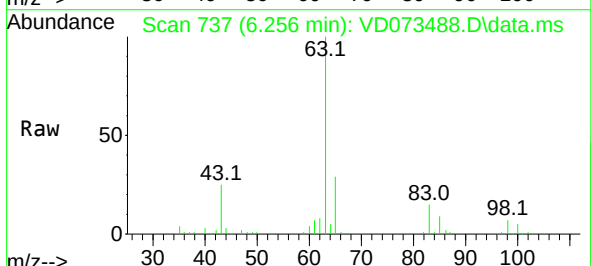
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 43 Resp: 1434156  
 Ion Ratio Lower Upper  
 43 100  
 86 11.6 7.1 10.7#

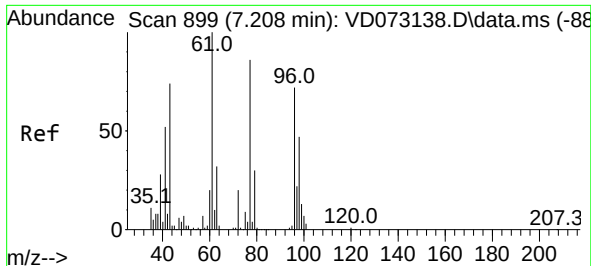


#24  
 1,1-Dichloroethane  
 Concen: 49.471 ug/l  
 RT: 6.256 min Scan# 737  
 Delta R.T. -0.005 min  
 Lab File: VD073488.D  
 Acq: 06 Jun 2022 21:43

Tgt Ion: 63 Resp: 320017  
 Ion Ratio Lower Upper  
 63 100  
 98 7.4 3.6 10.9  
 100 4.8 2.1 6.5



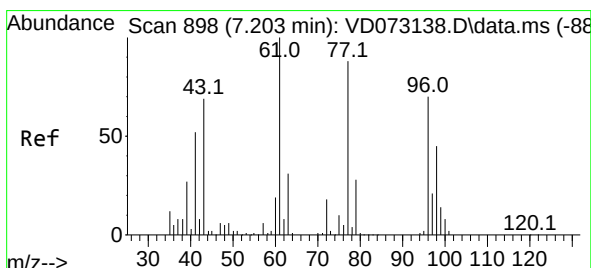
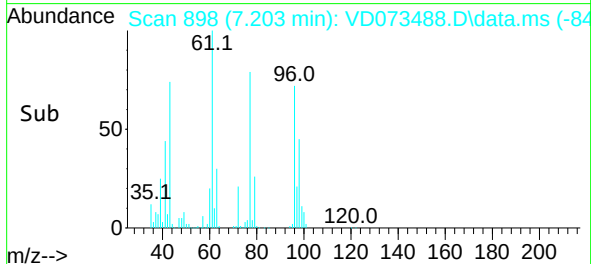
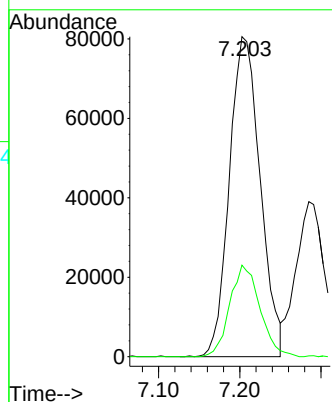
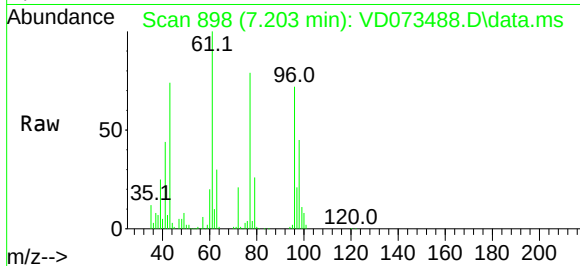




#25  
2-Butanone  
Concen: 256.546 ug/l  
RT: 7.203 min Scan# 898  
Delta R.T. -0.005 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

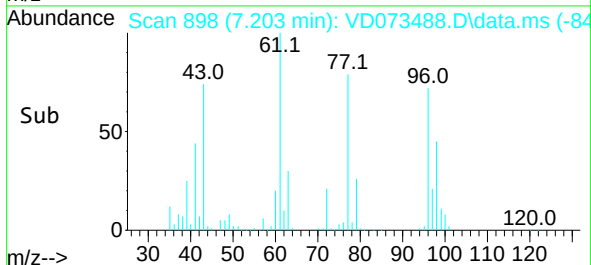
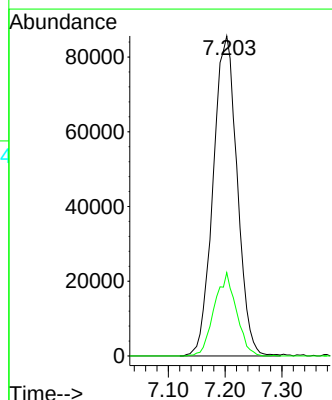
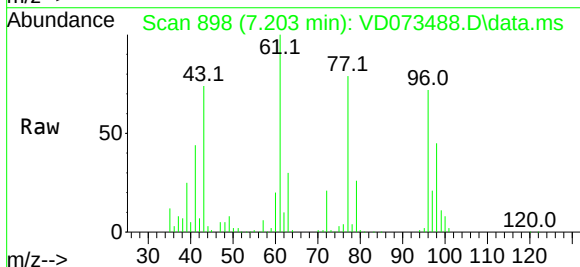
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

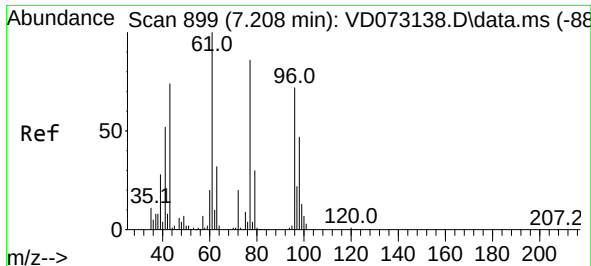
Tgt Ion: 43 Resp: 212926  
Ion Ratio Lower Upper  
43 100  
72 28.6 18.6 27.8#



#26  
2,2-Dichloropropane  
Concen: 45.648 ug/l  
RT: 7.203 min Scan# 898  
Delta R.T. -0.000 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

Tgt Ion: 77 Resp: 251824  
Ion Ratio Lower Upper  
77 100  
97 23.9 10.8 32.4

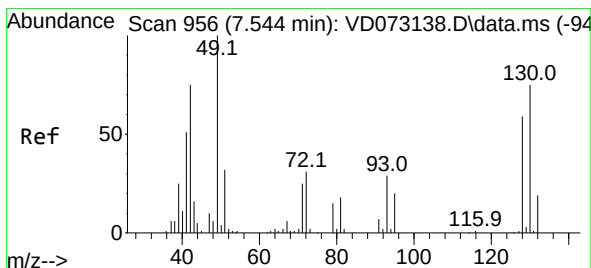
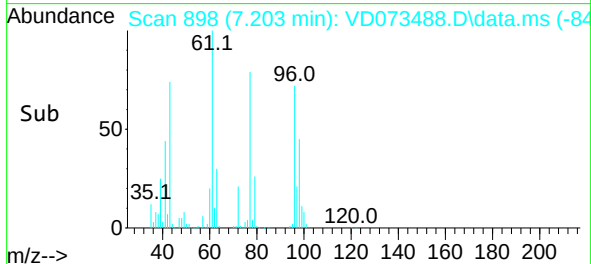
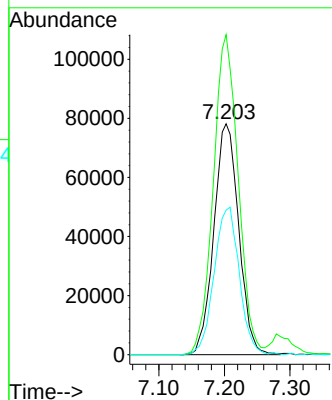
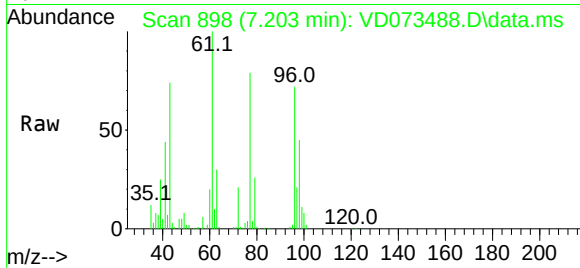




#27  
 cis-1,2-Dichloroethene  
 Concen: 51.635 ug/l  
 RT: 7.203 min Scan# 899  
 Delta R.T. -0.005 min  
 Lab File: VD073488.D  
 Acq: 06 Jun 2022 21:43

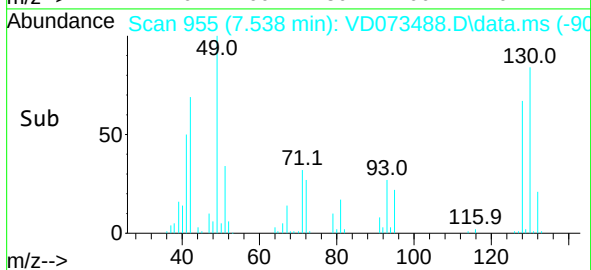
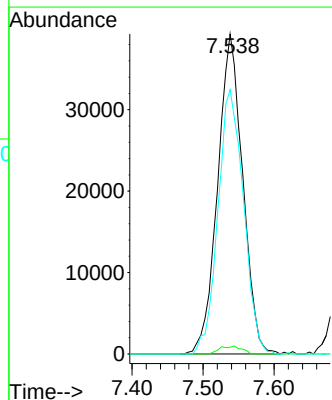
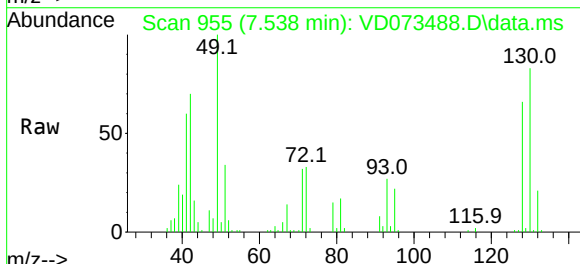
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

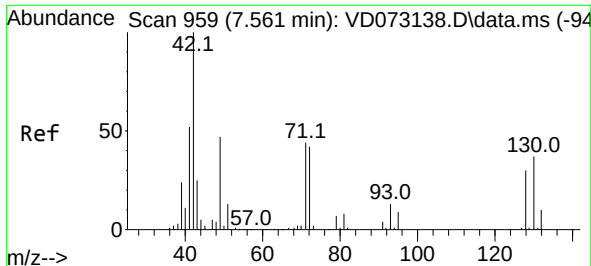
Tgt Ion: 96 Resp: 205744  
 Ion Ratio Lower Upper  
 96 100  
 61 138.7 0.0 313.8  
 98 64.5 0.0 128.8



#28  
 Bromochloromethane  
 Concen: 43.101 ug/l  
 RT: 7.538 min Scan# 955  
 Delta R.T. -0.006 min  
 Lab File: VD073488.D  
 Acq: 06 Jun 2022 21:43

Tgt Ion: 49 Resp: 96055  
 Ion Ratio Lower Upper  
 49 100  
 129 2.1 0.0 4.0  
 130 84.5 52.6 79.0#





#29

Tetrahydrofuran

Concen: 262.776 ug/l

RT: 7.556 min Scan# 91

Delta R.T. -0.005 min

Lab File: VD073488.D

Acq: 06 Jun 2022 21:43

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

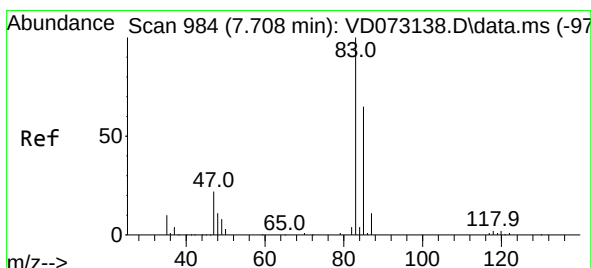
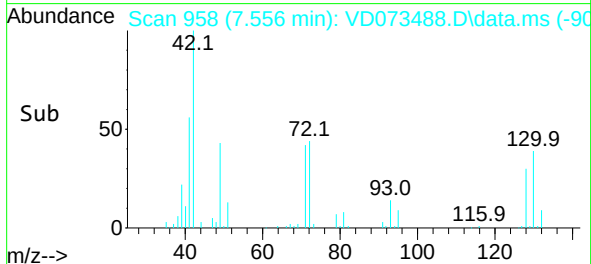
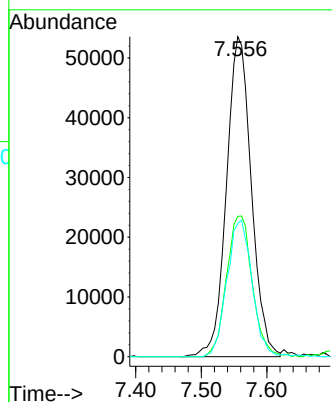
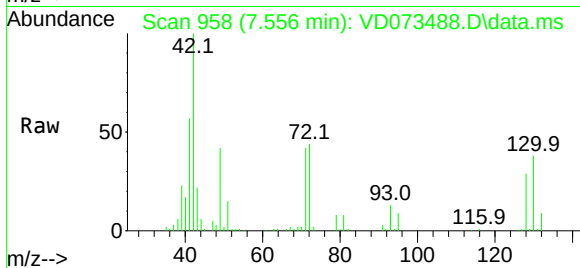
Tgt Ion: 42 Resp: 141025

Ion Ratio Lower Upper

42 100

72 45.6 30.7 46.1

71 43.2 28.6 43.0#



#30

Chloroform

Concen: 51.856 ug/l

RT: 7.703 min Scan# 983

Delta R.T. -0.005 min

Lab File: VD073488.D

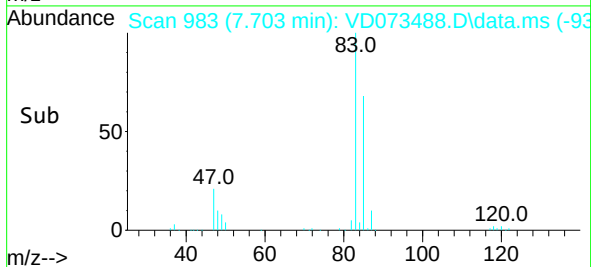
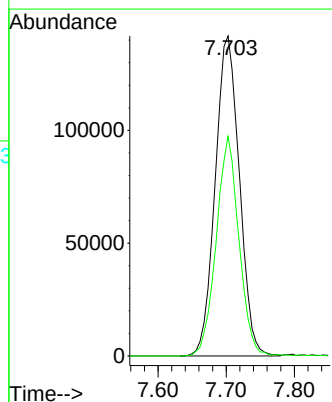
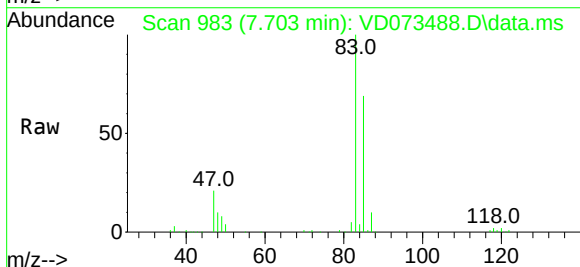
Acq: 06 Jun 2022 21:43

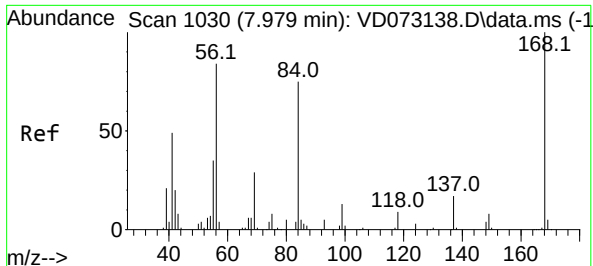
Tgt Ion: 83 Resp: 350202

Ion Ratio Lower Upper

83 100

85 68.6 52.7 79.1





#31

Cyclohexane

Concen: 46.067 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD073488.D

Acq: 06 Jun 2022 21:43

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

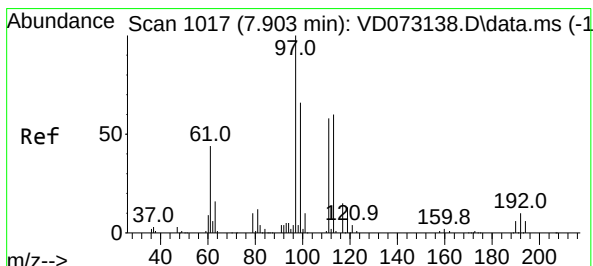
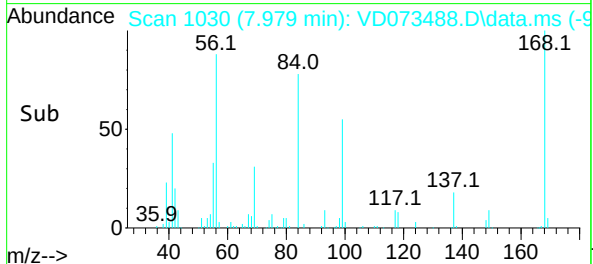
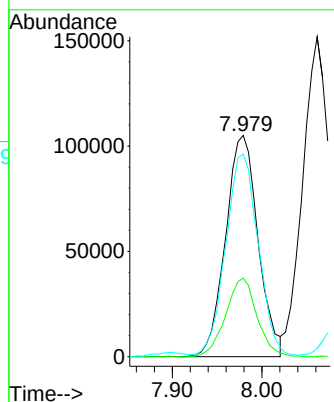
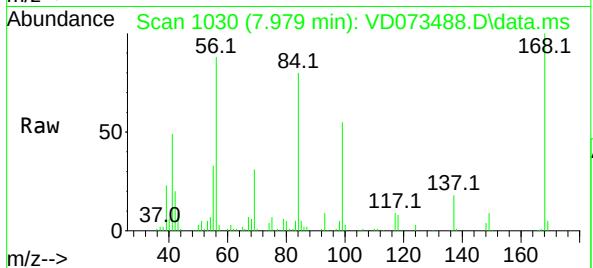
Tgt Ion: 56 Resp: 263660

Ion Ratio Lower Upper

56 100

69 35.5 25.4 38.2

84 90.2 63.0 94.4



#32

1,1,1-Trichloroethane

Concen: 50.553 ug/l

RT: 7.897 min Scan# 1016

Delta R.T. -0.006 min

Lab File: VD073488.D

Acq: 06 Jun 2022 21:43

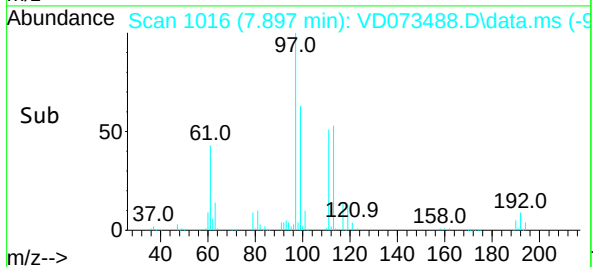
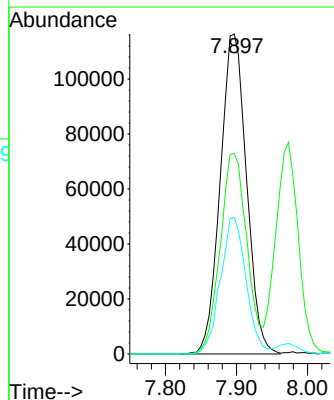
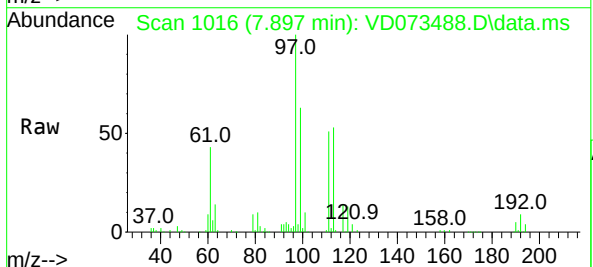
Tgt Ion: 97 Resp: 298596

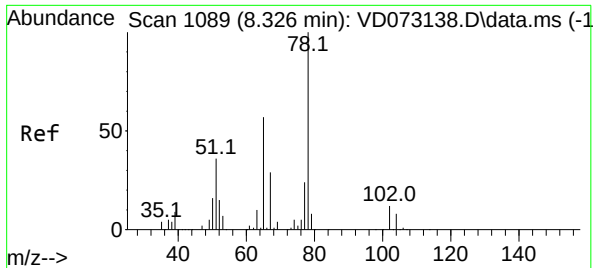
Ion Ratio Lower Upper

97 100

99 64.3 52.4 78.6

61 41.8 38.0 57.0





#33

1,2-Dichloroethane-d4

Concen: 50.827 ug/l

RT: 8.320 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD073488.D

Acq: 06 Jun 2022 21:43

Instrument :

MSVOA\_D

ClientSampleId :

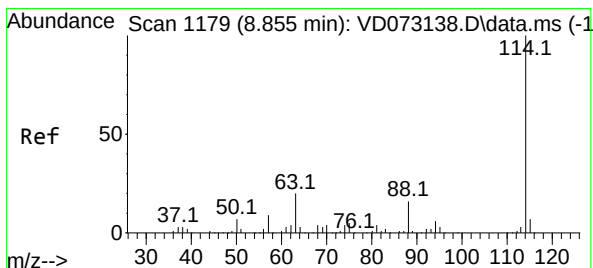
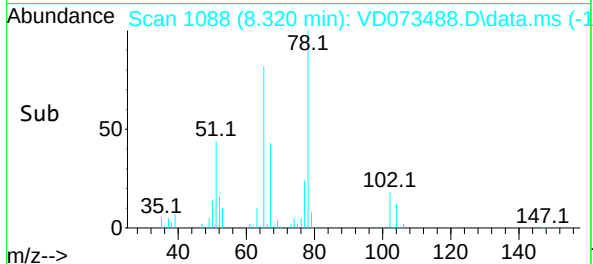
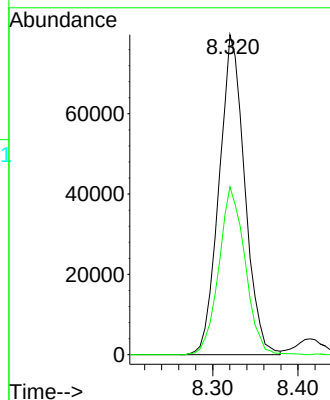
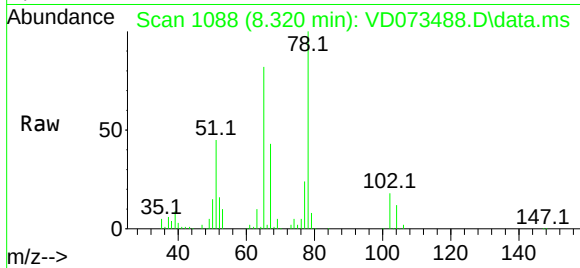
VSTDCCC050EC

Tgt Ion: 65 Resp: 166466

Ion Ratio Lower Upper

65 100

67 53.6 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073488.D

Acq: 06 Jun 2022 21:43

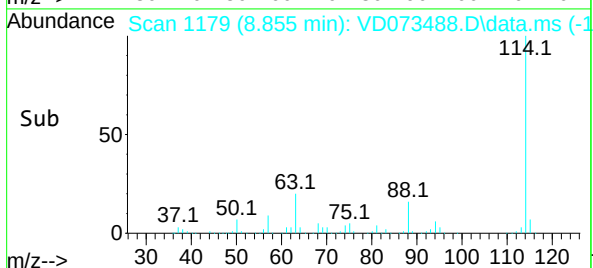
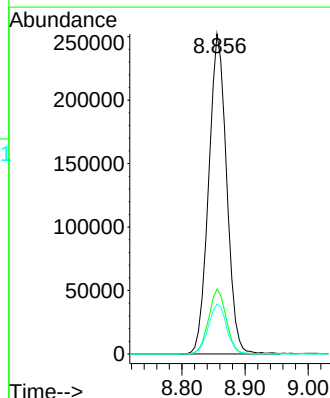
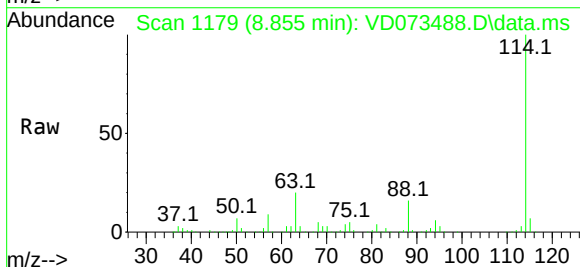
Tgt Ion: 114 Resp: 498276

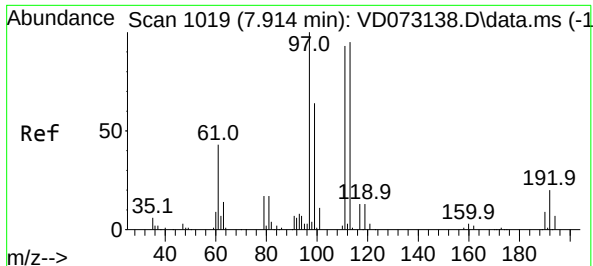
Ion Ratio Lower Upper

114 100

63 20.2 0.0 46.6

88 15.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 54.239 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.011 min

Lab File: VD073488.D

Acq: 06 Jun 2022 21:43

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

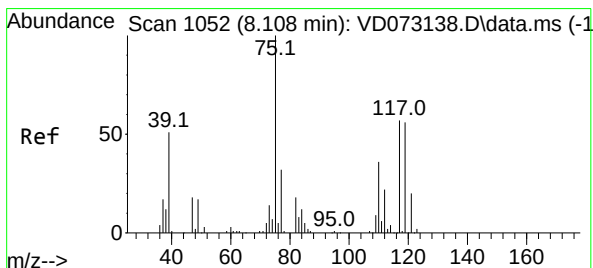
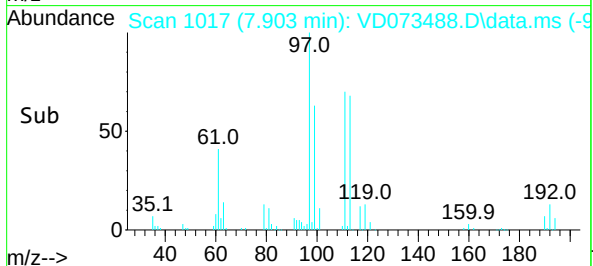
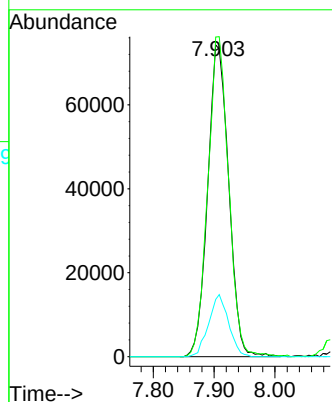
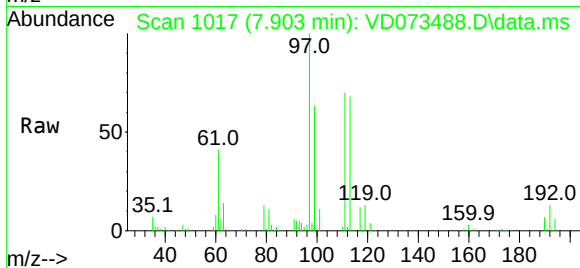
Tgt Ion:113 Resp: 178336

Ion Ratio Lower Upper

113 100

111 101.5 83.8 125.6

192 18.9 14.6 21.8



#36

1,1-Dichloropropene

Concen: 49.741 ug/l

RT: 8.103 min Scan# 1051

Delta R.T. -0.005 min

Lab File: VD073488.D

Acq: 06 Jun 2022 21:43

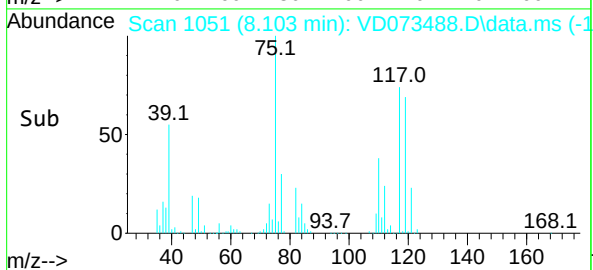
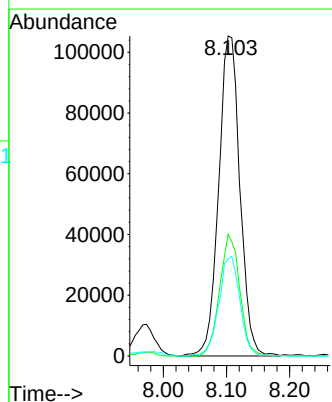
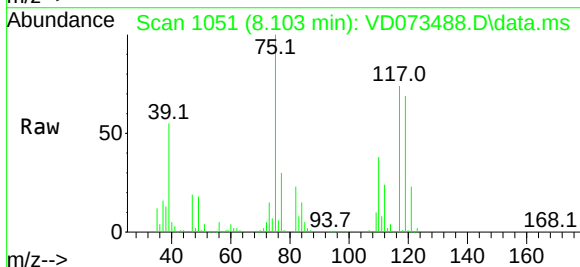
Tgt Ion: 75 Resp: 245969

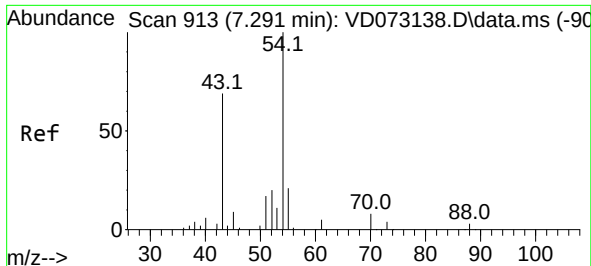
Ion Ratio Lower Upper

75 100

110 36.0 16.4 49.1

77 30.9 24.2 36.2





#37

Ethyl Acetate

Concen: 51.499 ug/l

RT: 7.285 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD073488.D

Acq: 06 Jun 2022 21:43

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

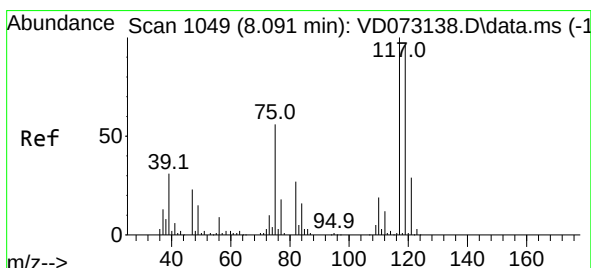
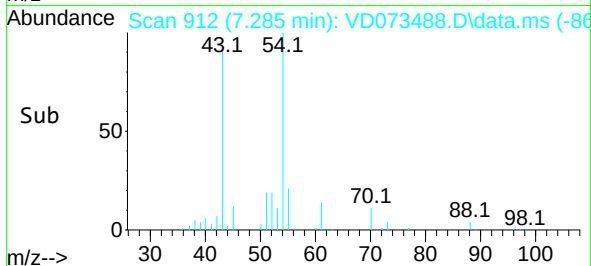
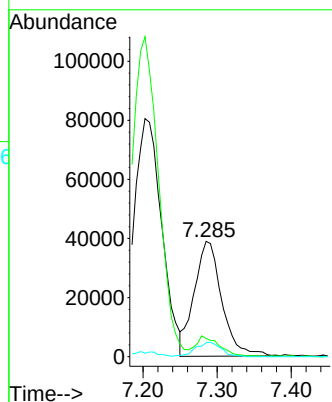
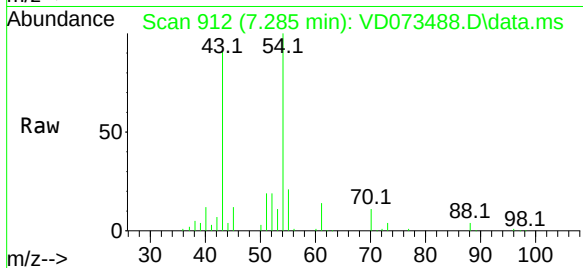
Tgt Ion: 43 Resp: 100591

Ion Ratio Lower Upper

43 100

61 15.5 9.8 14.8#

70 11.7 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 53.428 ug/l

RT: 8.085 min Scan# 1048

Delta R.T. -0.006 min

Lab File: VD073488.D

Acq: 06 Jun 2022 21:43

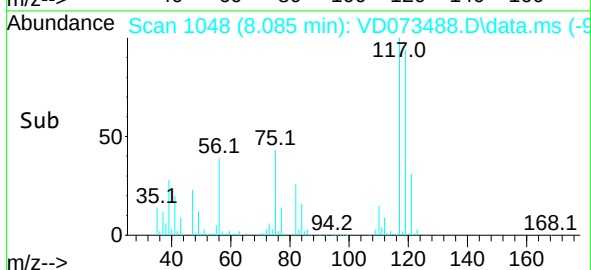
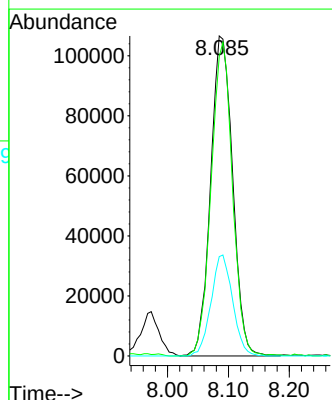
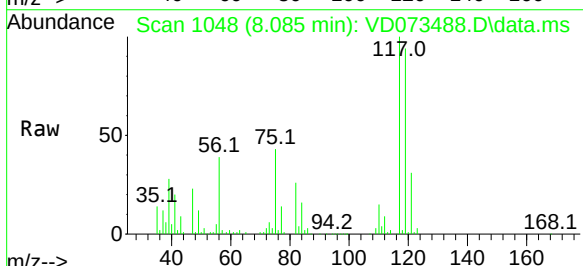
Tgt Ion: 117 Resp: 267818

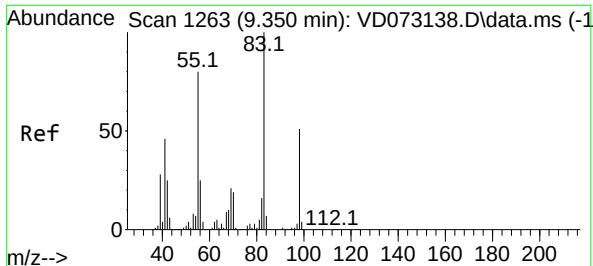
Ion Ratio Lower Upper

117 100

119 93.5 75.8 113.6

121 31.0 24.5 36.7





#39

Methylcyclohexane

Concen: 51.419 ug/l

RT: 9.350 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD073488.D

Acq: 06 Jun 2022 21:43

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

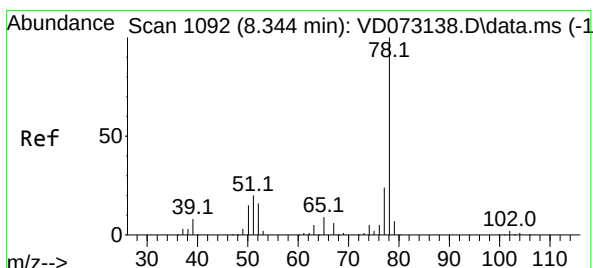
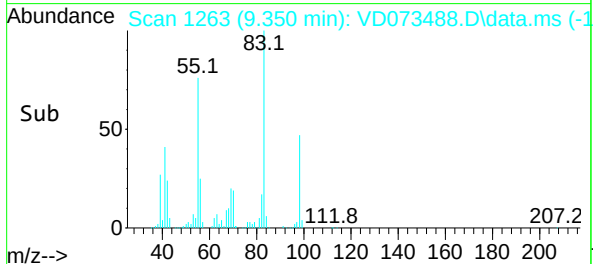
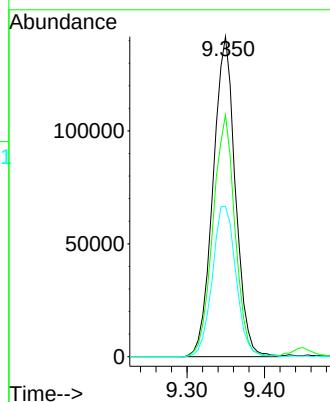
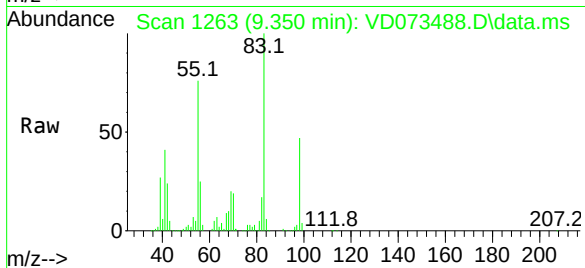
Tgt Ion: 83 Resp: 283370

Ion Ratio Lower Upper

83 100

55 75.6 63.2 94.8

98 47.0 38.2 57.4



#40

Benzene

Concen: 50.906 ug/l

RT: 8.344 min Scan# 1092

Delta R.T. -0.000 min

Lab File: VD073488.D

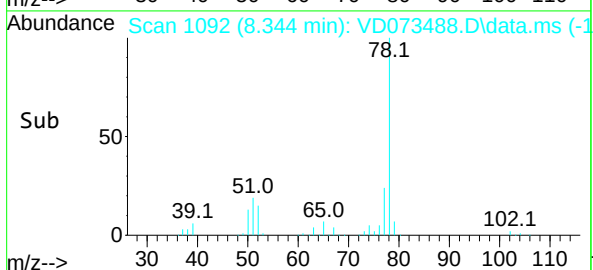
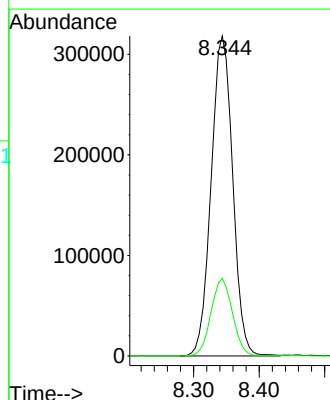
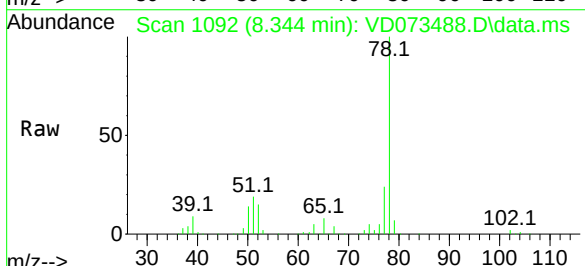
Acq: 06 Jun 2022 21:43

Tgt Ion: 78 Resp: 725495

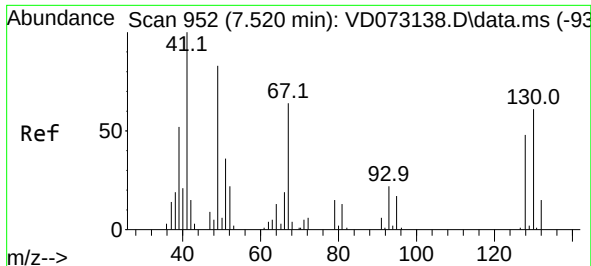
Ion Ratio Lower Upper

78 100

77 24.3 19.1 28.7



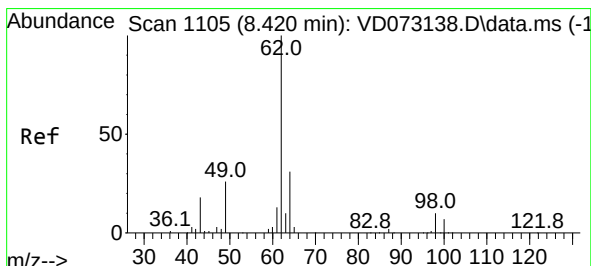
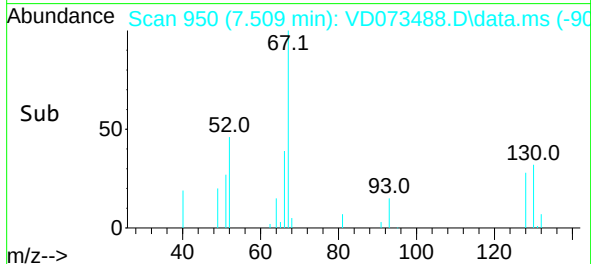
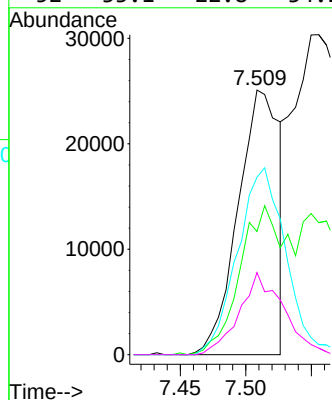
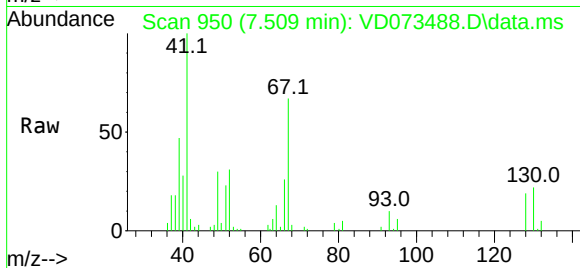




#41  
Methacrylonitrile  
Concen: 48.213 ug/l  
RT: 7.509 min Scan# 91  
Delta R.T. -0.011 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

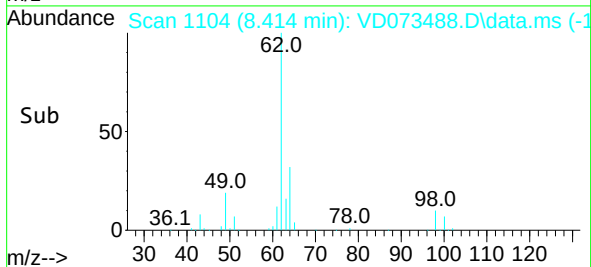
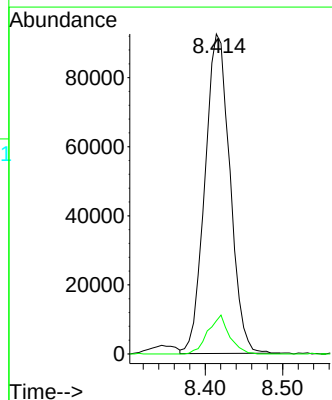
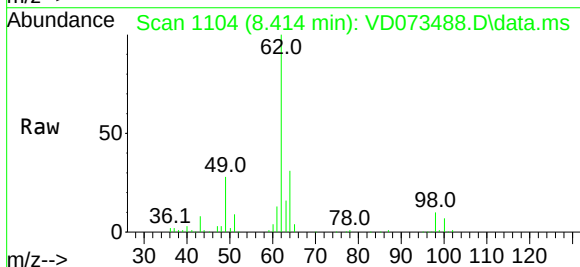
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

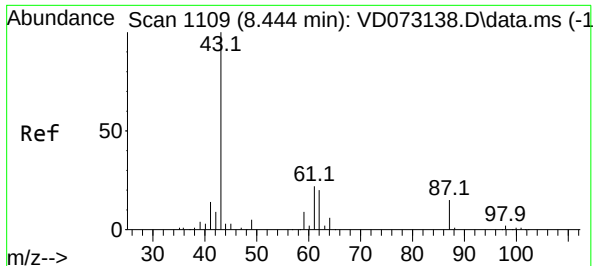
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 54868 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 66.1  | 44.6  | 67.0  |
| 67       | 83.1  | 48.2  | 72.4# |
| 52       | 33.1  | 22.8  | 34.2  |



#42  
1,2-Dichloroethane  
Concen: 52.261 ug/l  
RT: 8.414 min Scan# 1104  
Delta R.T. -0.006 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 207241 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 10.4  | 0.0   | 17.6   |





#43

Isopropyl Acetate

Concen: 54.562 ug/l

RT: 8.444 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VD073488.D

Acq: 06 Jun 2022 21:43

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

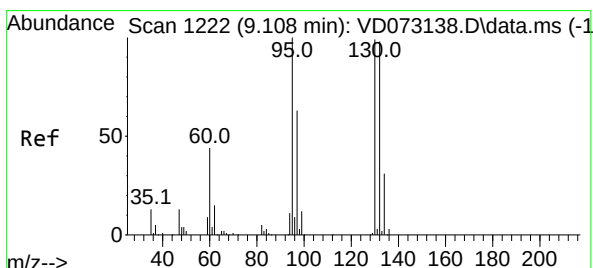
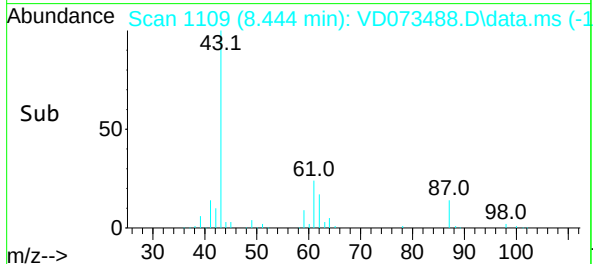
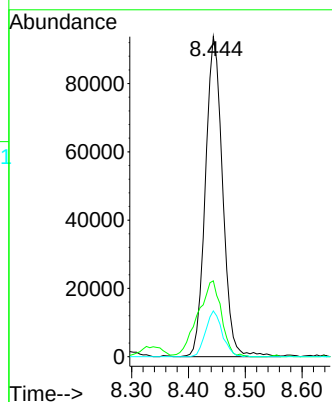
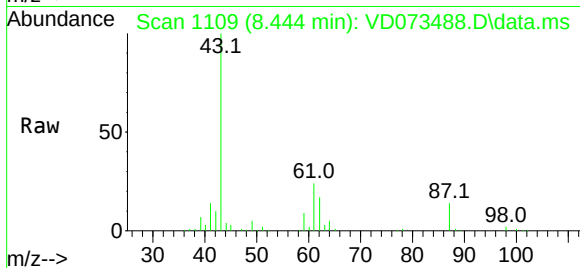
Tgt Ion: 43 Resp: 196986

Ion Ratio Lower Upper

43 100

61 32.6 22.4 33.6

87 13.9 8.7 13.1#



#44

Trichloroethene

Concen: 52.106 ug/l

RT: 9.103 min Scan# 1221

Delta R.T. -0.005 min

Lab File: VD073488.D

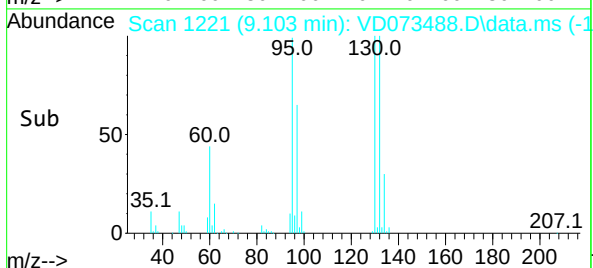
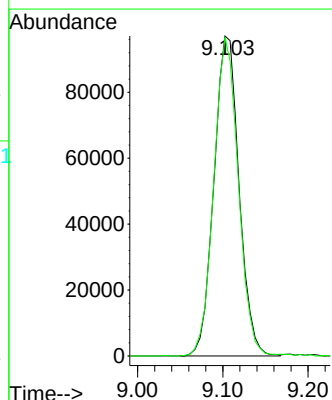
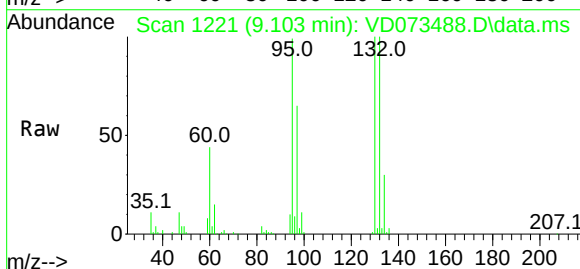
Acq: 06 Jun 2022 21:43

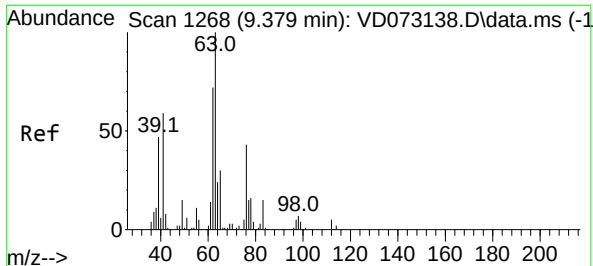
Tgt Ion:130 Resp: 198025

Ion Ratio Lower Upper

130 100

95 99.3 0.0 205.4





#45

1,2-Dichloropropane

Concen: 51.610 ug/l

RT: 9.379 min Scan# 1268

Delta R.T. 0.000 min

Lab File: VD073488.D

Acq: 06 Jun 2022 21:43

Instrument :

MSVOA\_D

ClientSampleId :

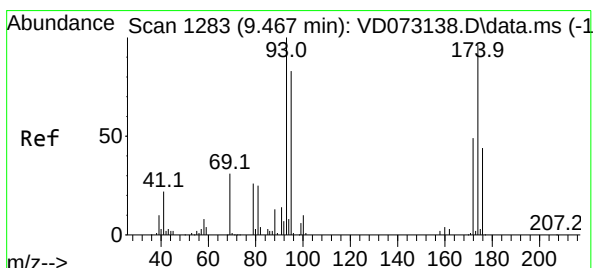
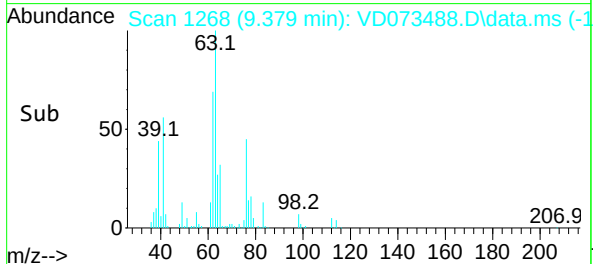
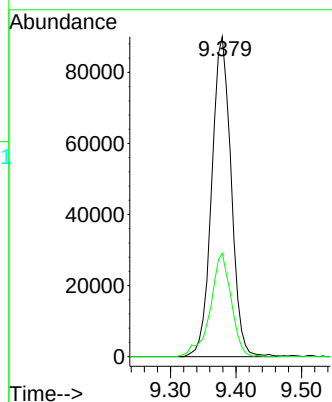
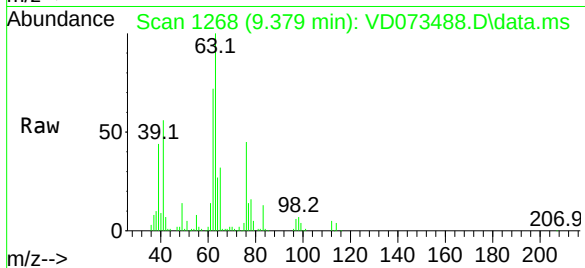
VSTDCCC050EC

Tgt Ion: 63 Resp: 185235

Ion Ratio Lower Upper

63 100

65 32.3 26.2 39.4



#46

Dibromomethane

Concen: 51.900 ug/l

RT: 9.461 min Scan# 1282

Delta R.T. -0.006 min

Lab File: VD073488.D

Acq: 06 Jun 2022 21:43

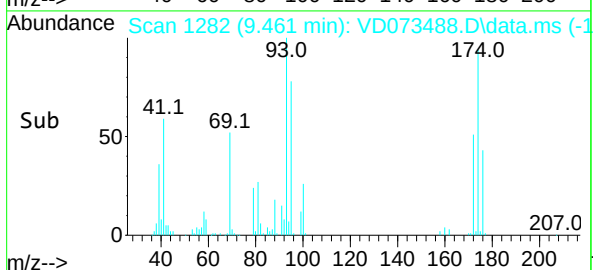
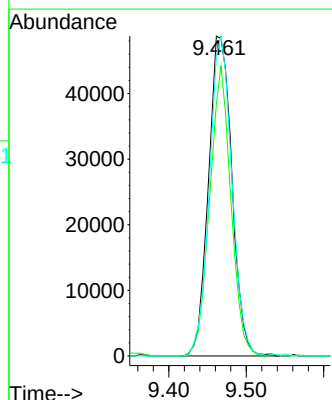
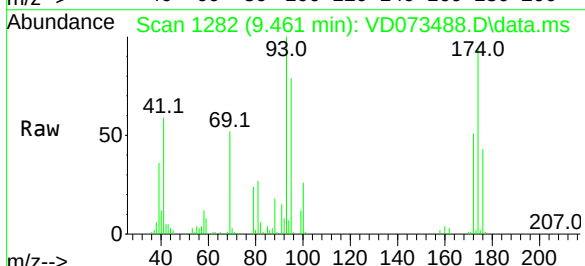
Tgt Ion: 93 Resp: 102305

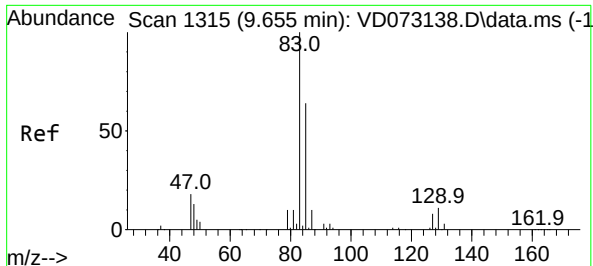
Ion Ratio Lower Upper

93 100

95 81.9 66.7 100.1

174 96.0 71.6 107.4

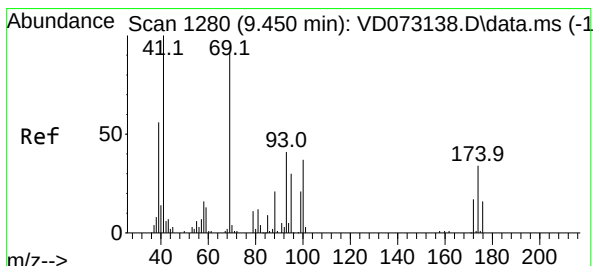
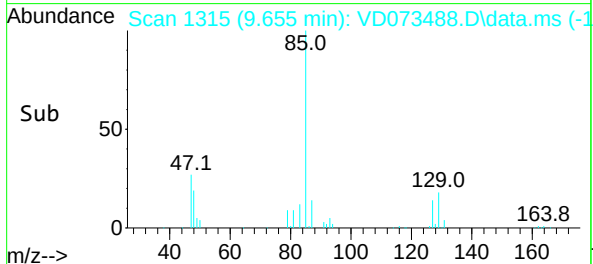
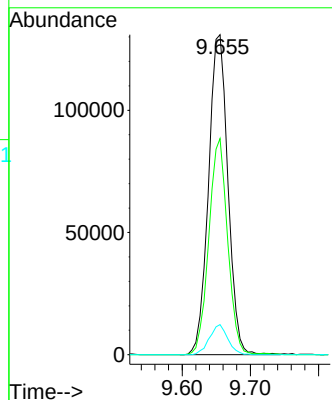
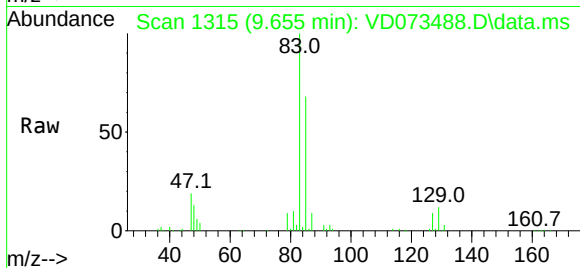




#47  
Bromodichloromethane  
Concen: 51.460 ug/l  
RT: 9.655 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

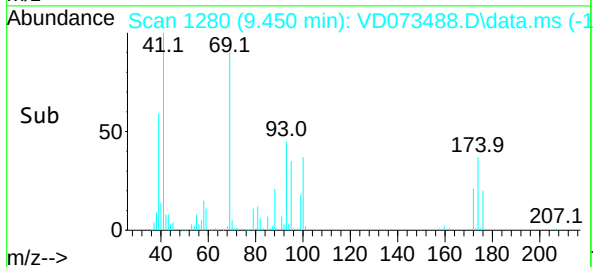
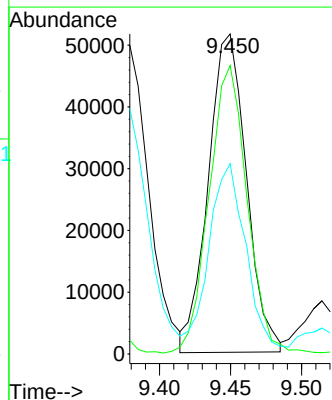
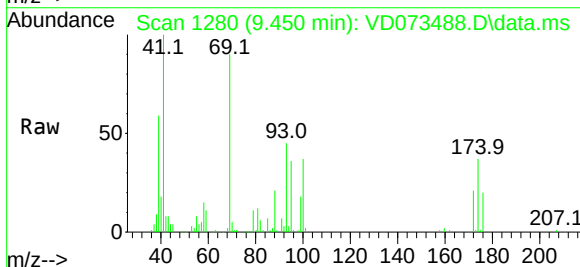
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

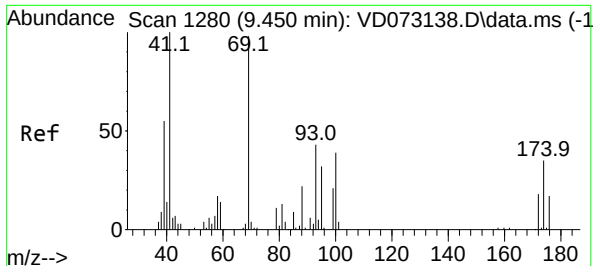
Tgt Ion: 83 Resp: 259548  
Ion Ratio Lower Upper  
83 100  
85 67.6 51.4 77.0  
127 9.4 6.1 9.1#



#48  
Methyl methacrylate  
Concen: 52.967 ug/l  
RT: 9.450 min Scan# 1280  
Delta R.T. -0.000 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

Tgt Ion: 41 Resp: 96209  
Ion Ratio Lower Upper  
41 100  
69 90.4 56.7 85.1#  
39 53.8 42.7 64.1





#49

1,4-Dioxane

Concen: 1184.576 ug/l

RT: 9.455 min Scan# 11

Delta R.T. 0.005 min

Lab File: VD073488.D

Acq: 06 Jun 2022 21:43

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

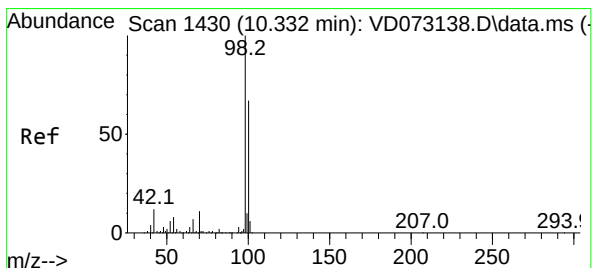
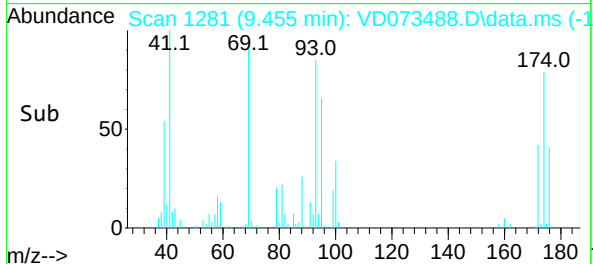
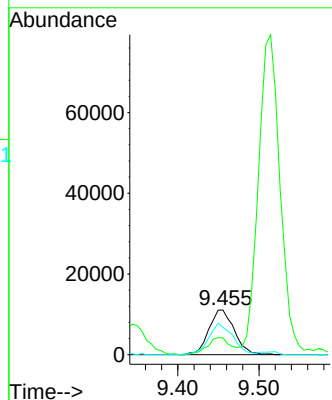
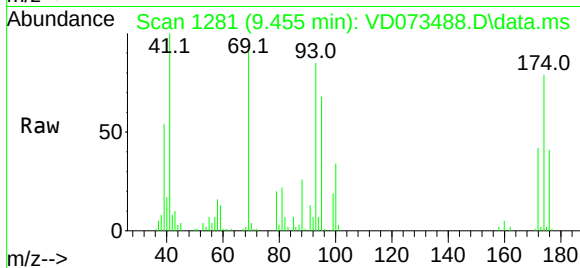
Tgt Ion: 88 Resp: 24114

Ion Ratio Lower Upper

88 100

43 35.3 31.0 46.4

58 66.8 58.1 87.1



#50

Toluene-d8

Concen: 51.905 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073488.D

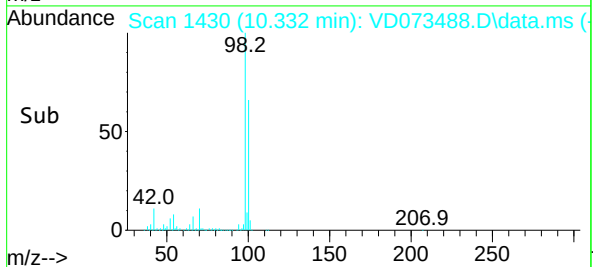
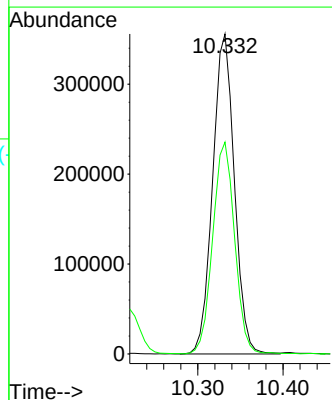
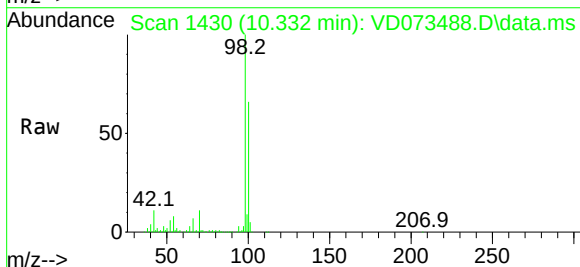
Acq: 06 Jun 2022 21:43

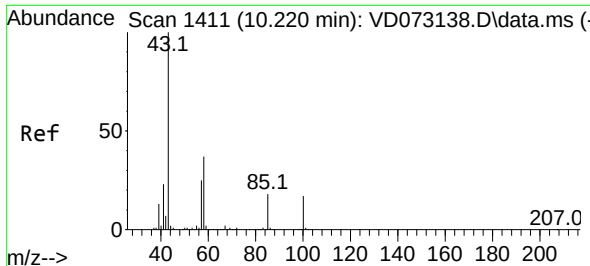
Tgt Ion: 98 Resp: 629098

Ion Ratio Lower Upper

98 100

100 66.8 52.4 78.6

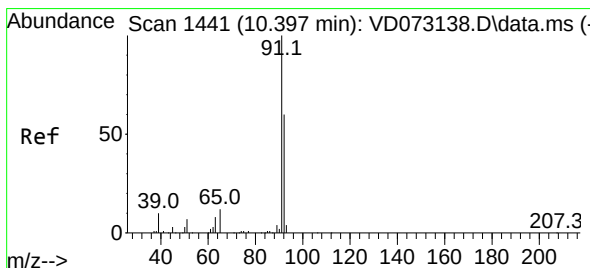
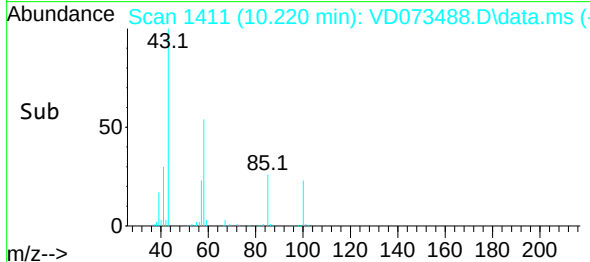
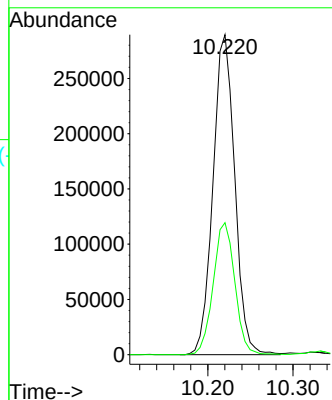
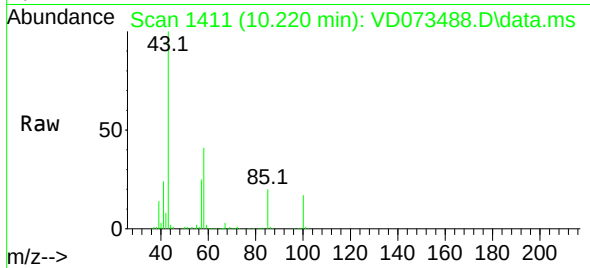




#51  
4-Methyl-2-Pentanone  
Concen: 274.624 ug/l  
RT: 10.220 min Scan# 1411  
Delta R.T. 0.000 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

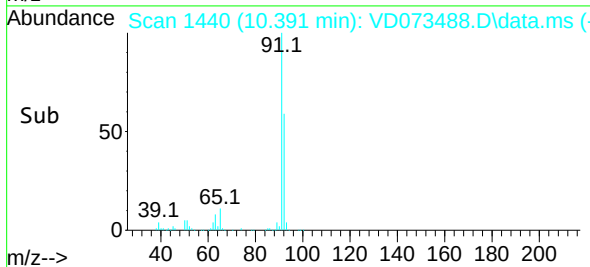
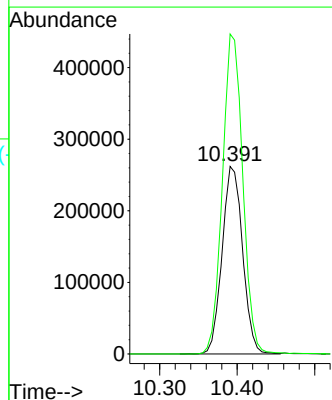
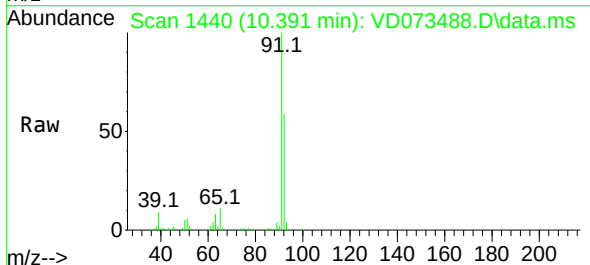
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

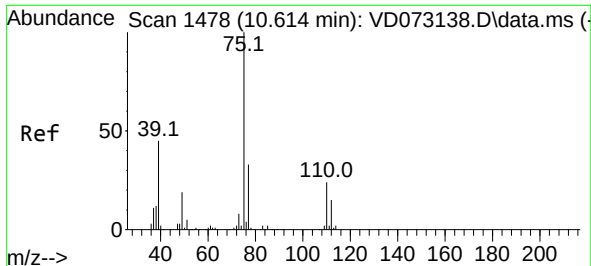
Tgt Ion: 43 Resp: 514958  
Ion Ratio Lower Upper  
43 100  
58 41.0 28.6 43.0



#52  
Toluene  
Concen: 53.551 ug/l  
RT: 10.391 min Scan# 1440  
Delta R.T. -0.006 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

Tgt Ion: 92 Resp: 482271  
Ion Ratio Lower Upper  
92 100  
91 169.6 139.6 209.4

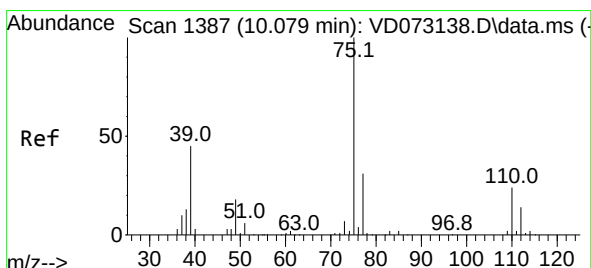
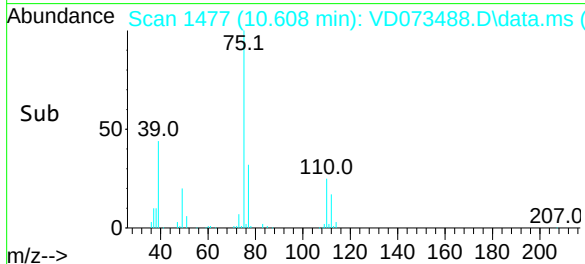
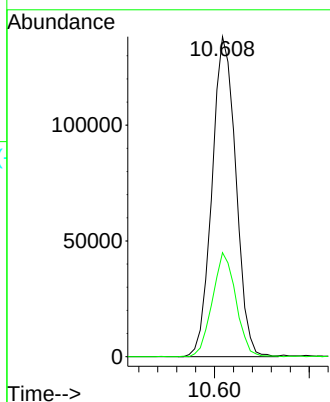
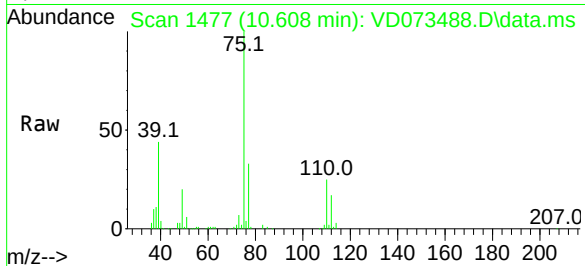




#53  
t-1,3-Dichloropropene  
Concen: 53.005 ug/l  
RT: 10.608 min Scan# 1477  
Delta R.T. -0.006 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

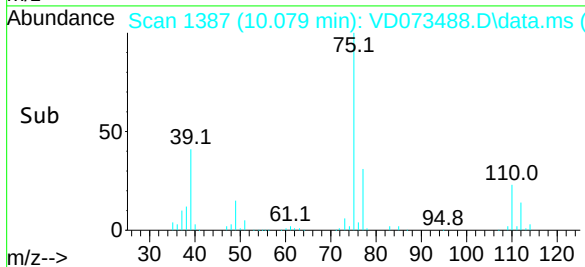
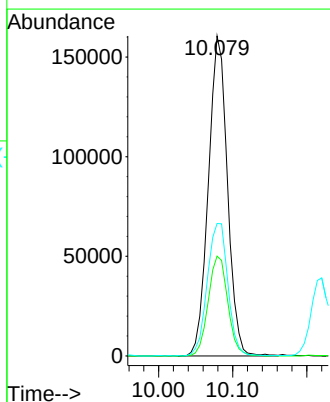
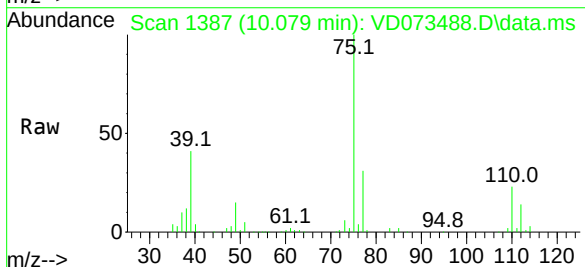
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

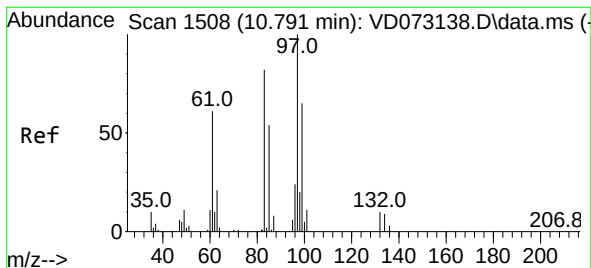
Tgt Ion: 75 Resp: 241522  
Ion Ratio Lower Upper  
75 100  
77 32.5 24.5 36.7



#54  
cis-1,3-Dichloropropene  
Concen: 52.703 ug/l  
RT: 10.079 min Scan# 1387  
Delta R.T. -0.000 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

Tgt Ion: 75 Resp: 287379  
Ion Ratio Lower Upper  
75 100  
77 31.2 24.8 37.2  
39 41.3 46.8 70.2#



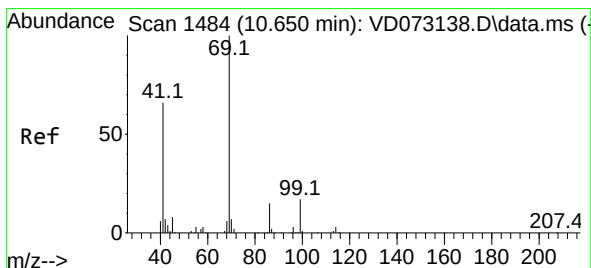
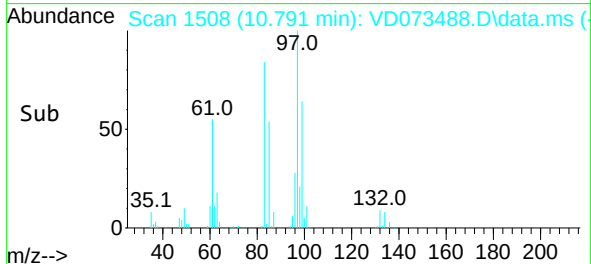
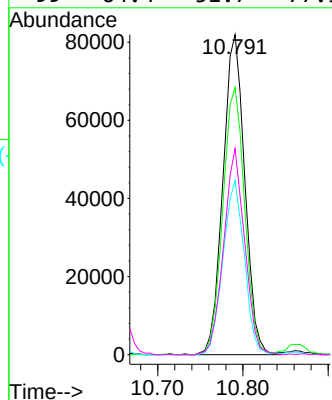
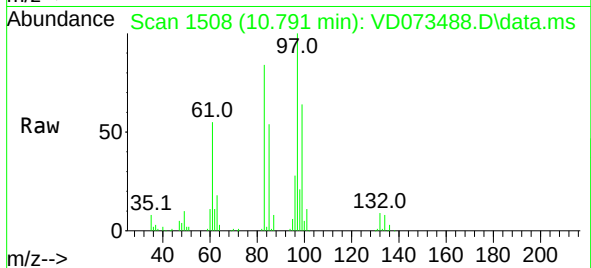


#55  
1,1,2-Trichloroethane  
Concen: 54.714 ug/l  
RT: 10.791 min Scan# 1508  
Delta R.T. -0.000 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 97 Resp: 145844

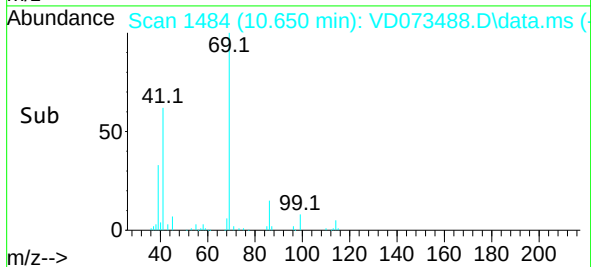
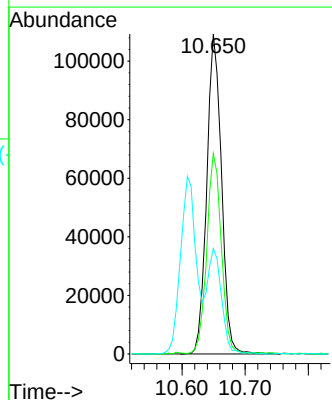
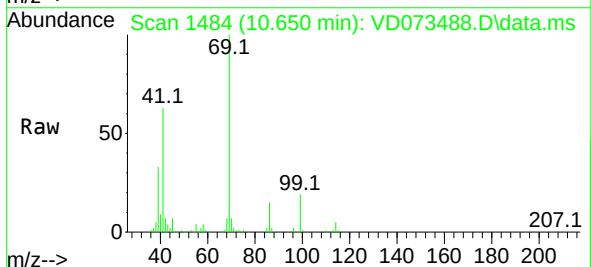
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 83.5  | 69.0  | 103.4 |
| 85  | 54.5  | 42.6  | 63.8  |
| 99  | 64.4  | 51.7  | 77.5  |



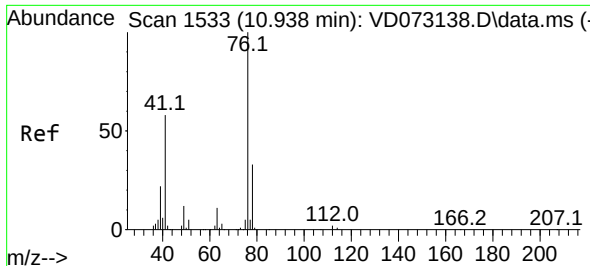
#56  
Ethyl methacrylate  
Concen: 59.604 ug/l  
RT: 10.650 min Scan# 1484  
Delta R.T. -0.000 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

Tgt Ion: 69 Resp: 176650

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 61.7  | 63.0  | 94.6# |
| 39  | 32.2  | 33.8  | 50.8# |







#57

1,3-Dichloropropane

Concen: 54.160 ug/l

RT: 10.938 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VD073488.D

Acq: 06 Jun 2022 21:43

Instrument :

MSVOA\_D

ClientSampleId :

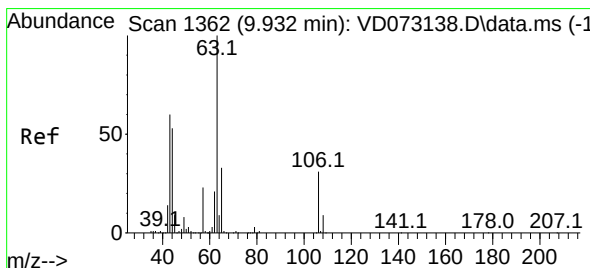
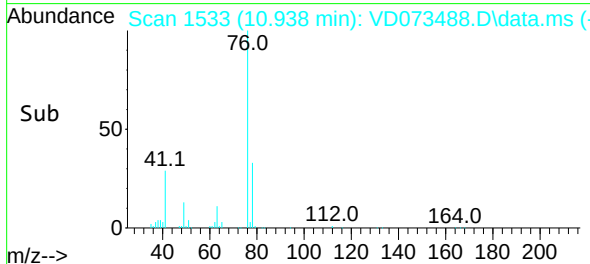
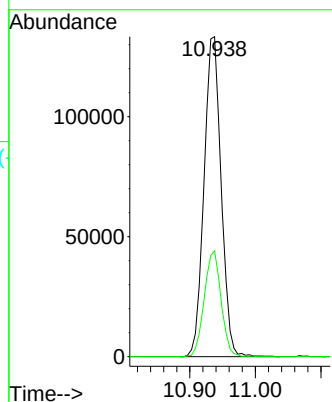
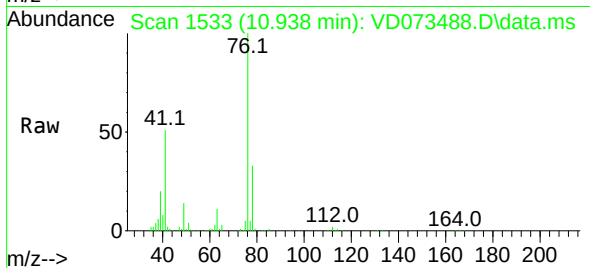
VSTDCCC050EC

Tgt Ion: 76 Resp: 242235

Ion Ratio Lower Upper

76 100

78 32.5 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 264.301 ug/l

RT: 9.932 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VD073488.D

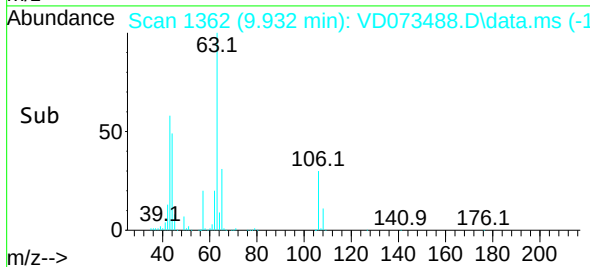
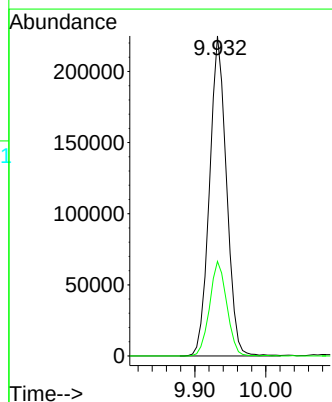
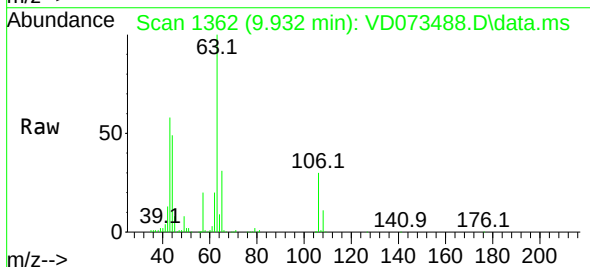
Acq: 06 Jun 2022 21:43

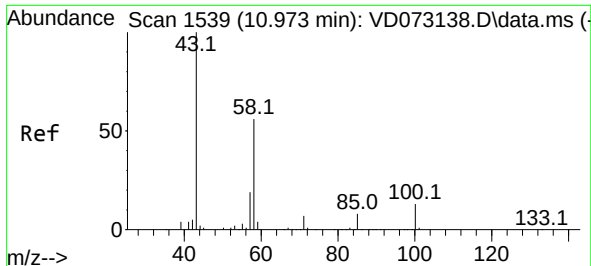
Tgt Ion: 63 Resp: 374061

Ion Ratio Lower Upper

63 100

106 29.8 21.4 32.0

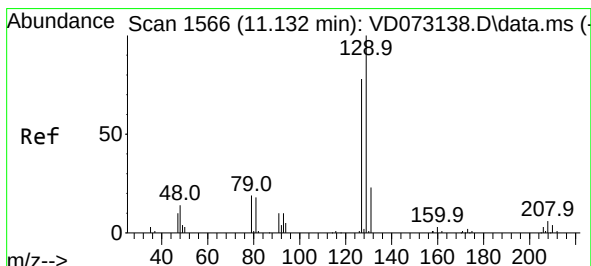
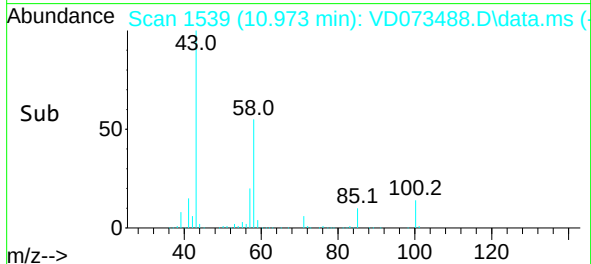
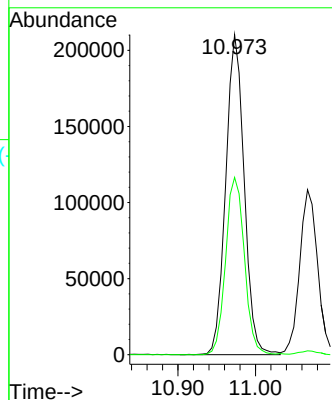
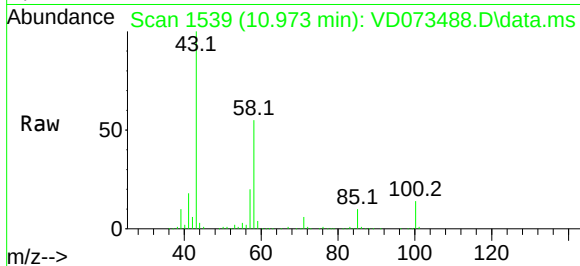




#59  
2-Hexanone  
Concen: 282.424 ug/l  
RT: 10.973 min Scan# 1539  
Delta R.T. 0.000 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

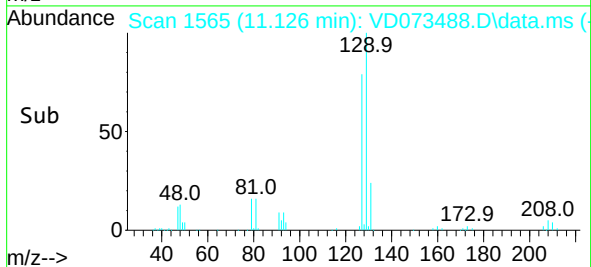
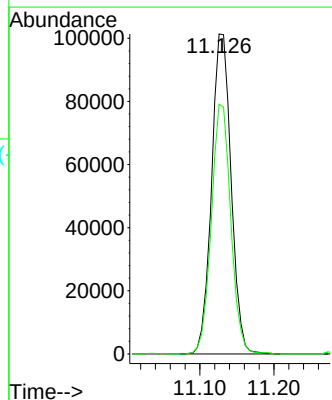
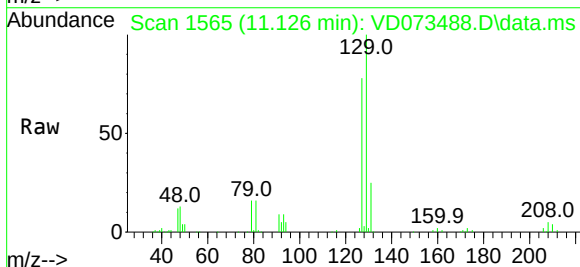
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

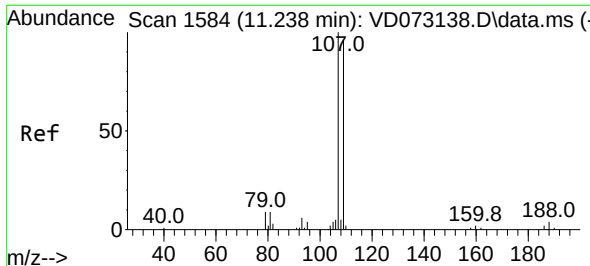
Tgt Ion: 43 Resp: 349147  
Ion Ratio Lower Upper  
43 100  
58 56.3 25.3 75.9



#60  
Dibromochloromethane  
Concen: 55.718 ug/l  
RT: 11.126 min Scan# 1565  
Delta R.T. -0.006 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

Tgt Ion: 129 Resp: 185195  
Ion Ratio Lower Upper  
129 100  
127 77.9 39.2 117.6

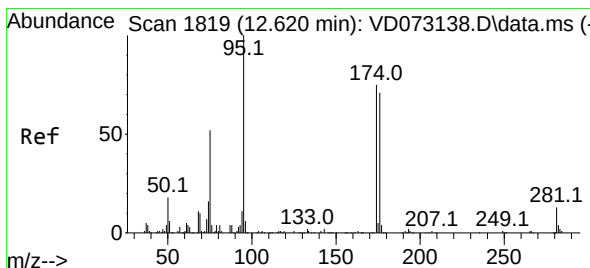
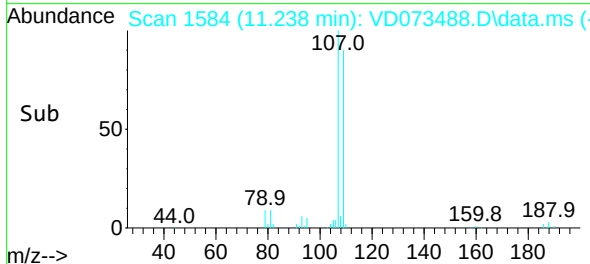
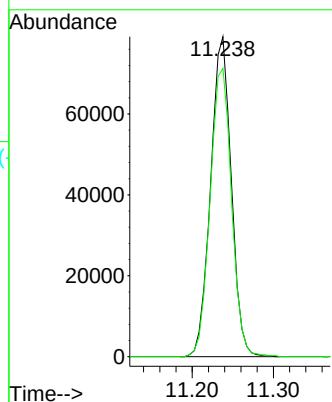
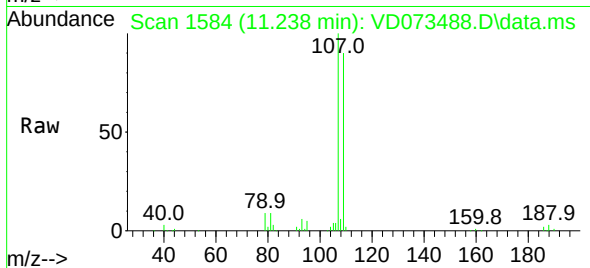




#61  
1,2-Dibromoethane  
Concen: 54.845 ug/l  
RT: 11.238 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

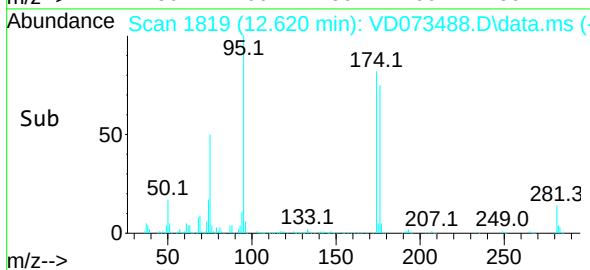
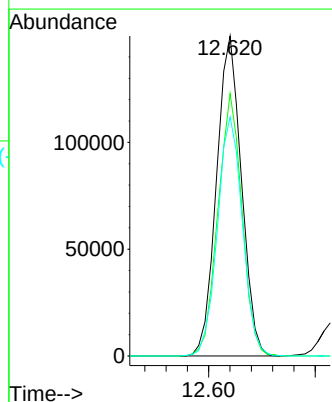
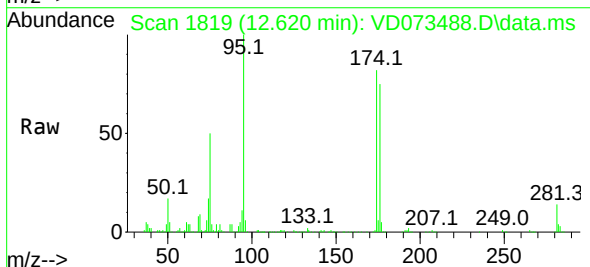
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

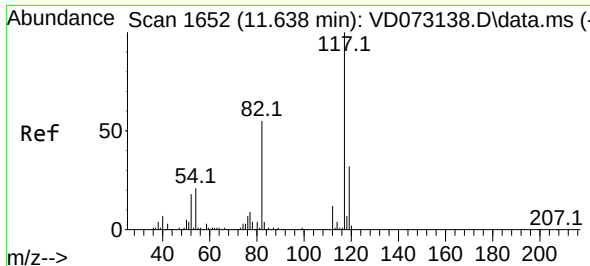
Tgt Ion:107 Resp: 139698  
Ion Ratio Lower Upper  
107 100  
109 93.5 74.2 111.4



#62  
4-Bromofluorobenzene  
Concen: 57.037 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

Tgt Ion: 95 Resp: 242607  
Ion Ratio Lower Upper  
95 100  
174 79.1 0.0 152.8  
176 74.9 0.0 145.4

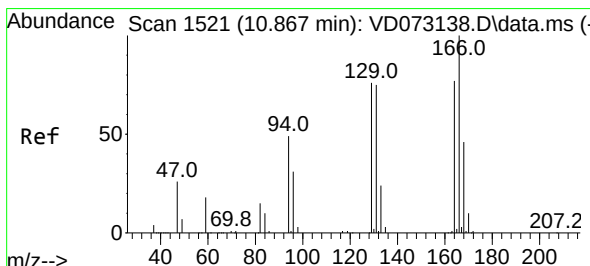
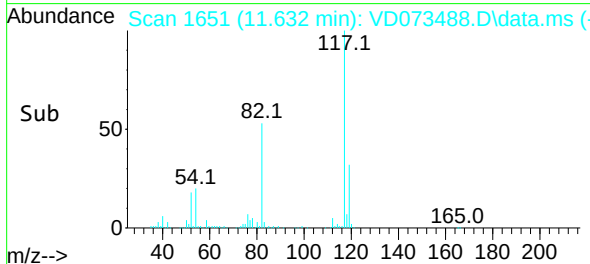
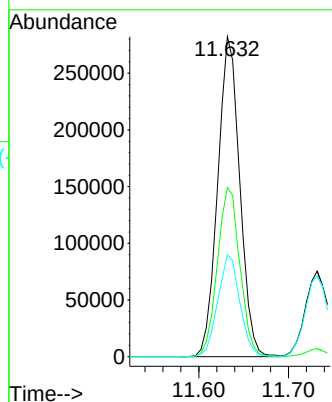
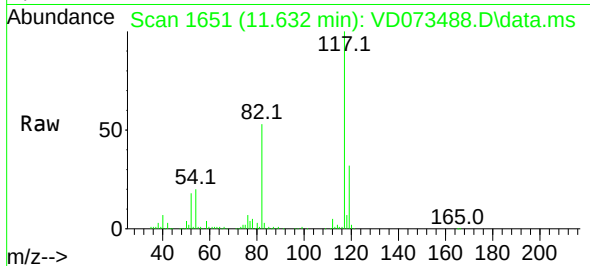




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.632 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

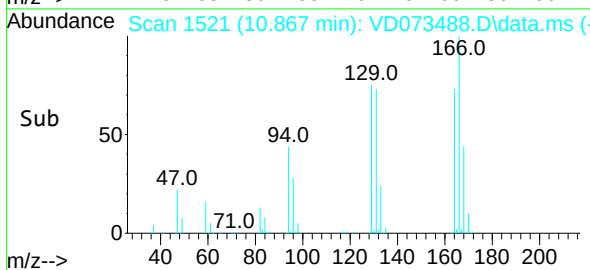
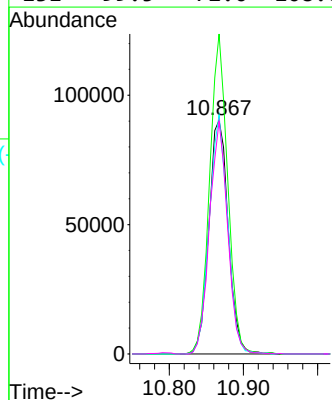
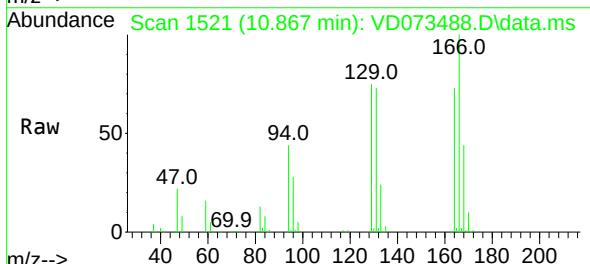
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MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

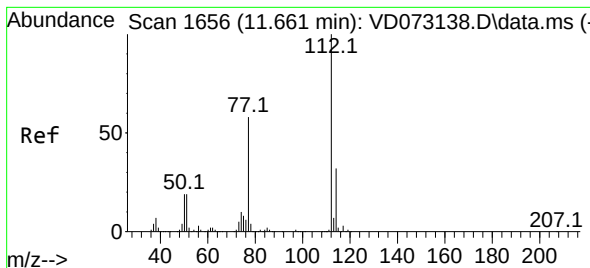
Tgt Ion:117 Resp: 481813  
Ion Ratio Lower Upper  
117 100  
82 52.9 45.3 67.9  
119 31.8 26.6 40.0



#64  
Tetrachloroethene  
Concen: 52.080 ug/l  
RT: 10.867 min Scan# 1521  
Delta R.T. 0.000 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

Tgt Ion:164 Resp: 164353  
Ion Ratio Lower Upper  
164 100  
166 136.9 98.5 147.7  
129 102.2 74.6 111.8  
131 99.5 72.0 108.0

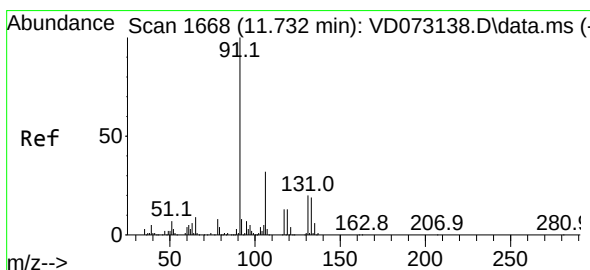
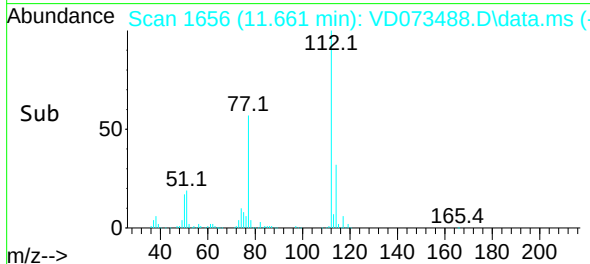
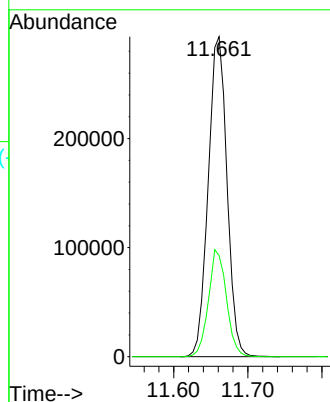
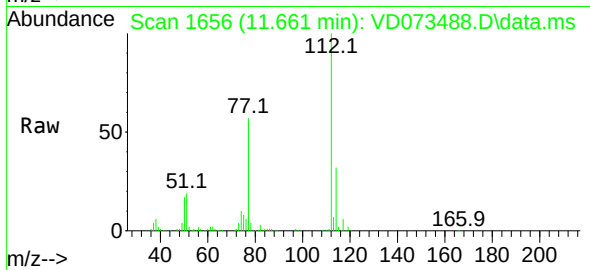




#65  
Chlorobenzene  
Concen: 52.175 ug/l  
RT: 11.661 min Scan# 1656  
Delta R.T. 0.000 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

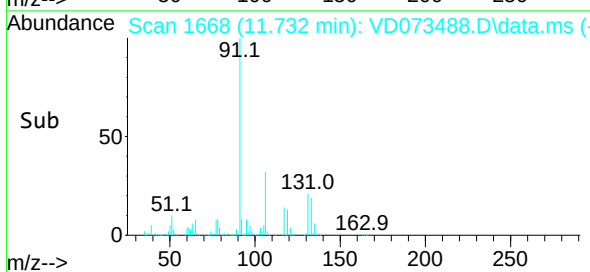
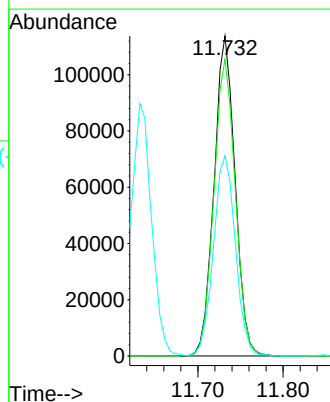
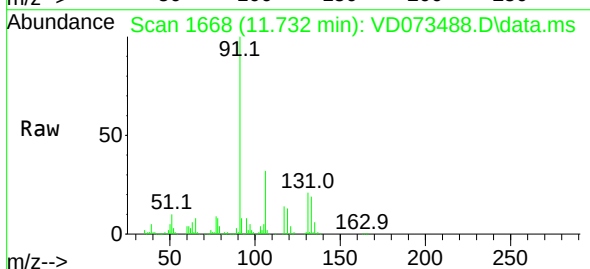
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

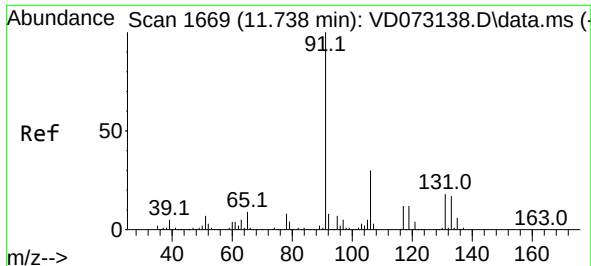
Tgt Ion:112 Resp: 515712  
Ion Ratio Lower Upper  
112 100  
114 31.6 25.8 38.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 53.334 ug/l  
RT: 11.732 min Scan# 1668  
Delta R.T. -0.000 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

Tgt Ion:131 Resp: 195510  
Ion Ratio Lower Upper  
131 100  
133 94.5 48.1 144.3  
119 65.4 31.9 95.9





#67

Ethyl Benzene

Concen: 52.235 ug/l

RT: 11.732 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD073488.D

Acq: 06 Jun 2022 21:43

Instrument :

MSVOA\_D

ClientSampleId :

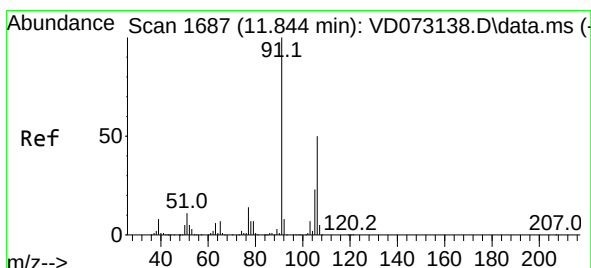
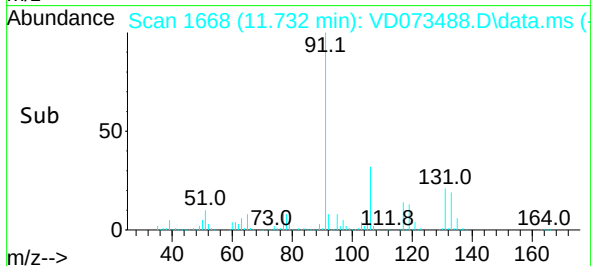
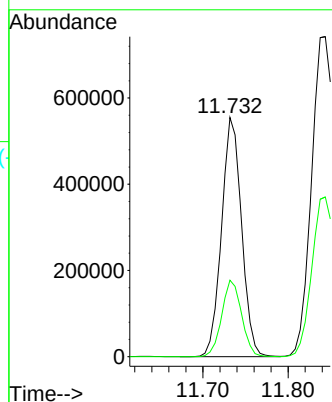
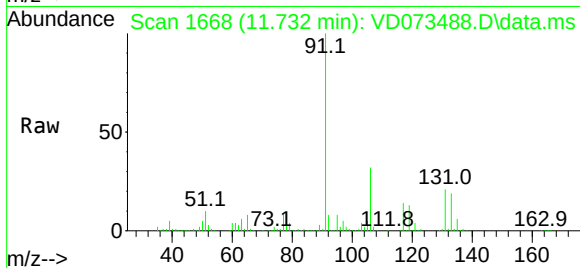
VSTDCCC050EC

Tgt Ion: 91 Resp: 906364

Ion Ratio Lower Upper

91 100

106 32.0 24.2 36.4



#68

m/p-Xylenes

Concen: 106.487 ug/l

RT: 11.844 min Scan# 1687

Delta R.T. -0.000 min

Lab File: VD073488.D

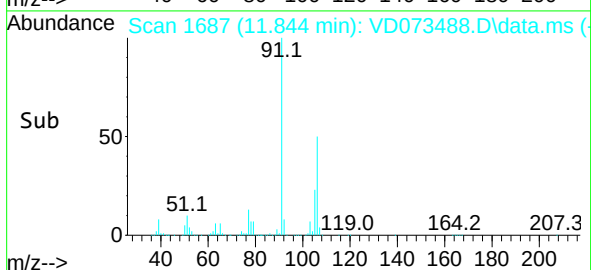
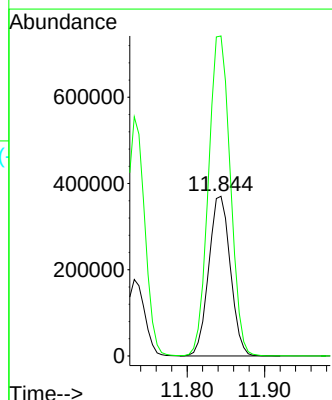
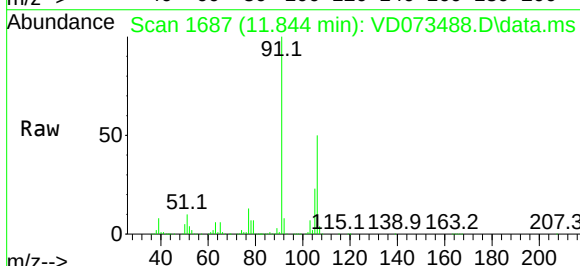
Acq: 06 Jun 2022 21:43

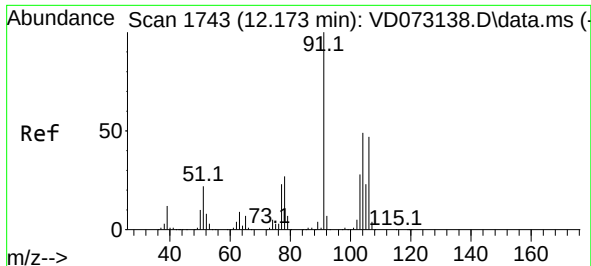
Tgt Ion:106 Resp: 717862

Ion Ratio Lower Upper

106 100

91 202.4 163.7 245.5

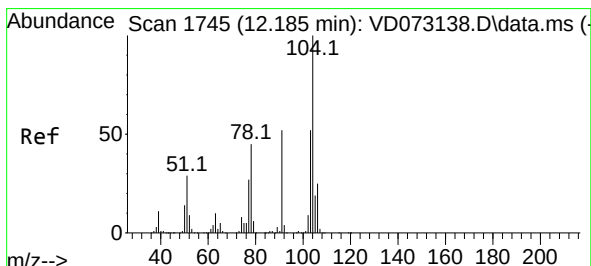
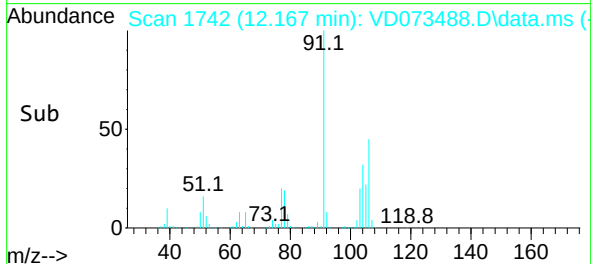
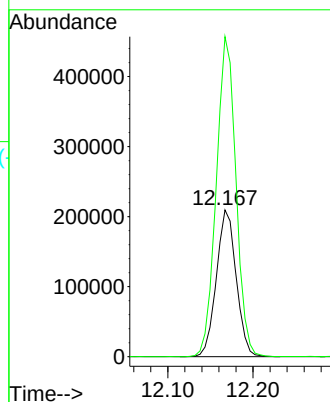
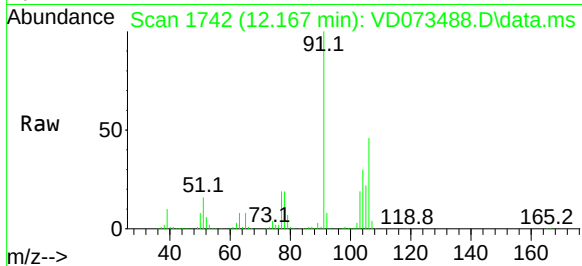




#69  
o-Xylene  
Concen: 54.669 ug/l  
RT: 12.167 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

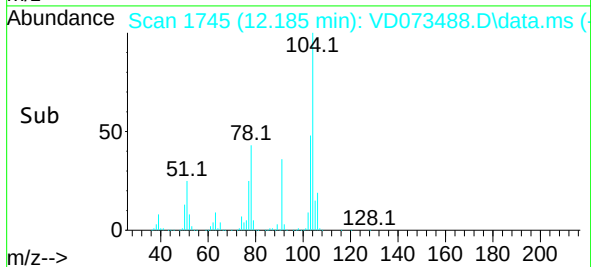
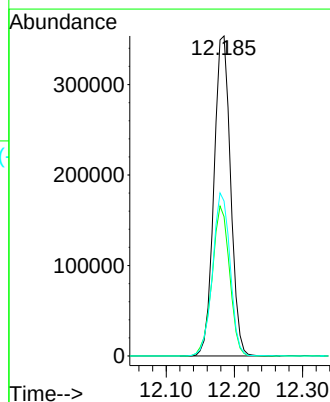
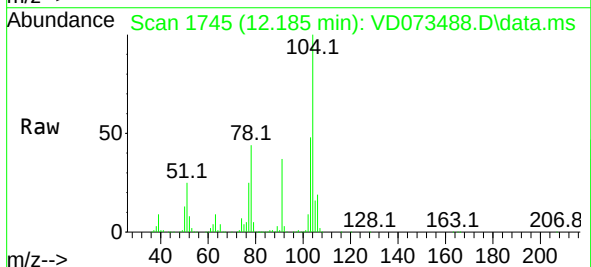
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

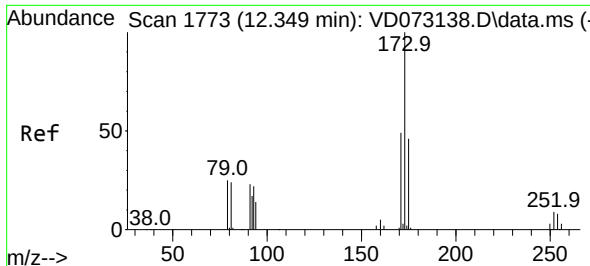
Tgt Ion:106 Resp: 338562  
Ion Ratio Lower Upper  
106 100  
91 216.7 110.4 331.2



#70  
Styrene  
Concen: 56.309 ug/l  
RT: 12.185 min Scan# 1745  
Delta R.T. -0.000 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

Tgt Ion:104 Resp: 599963  
Ion Ratio Lower Upper  
104 100  
78 49.3 41.8 62.8  
103 53.6 44.2 66.4

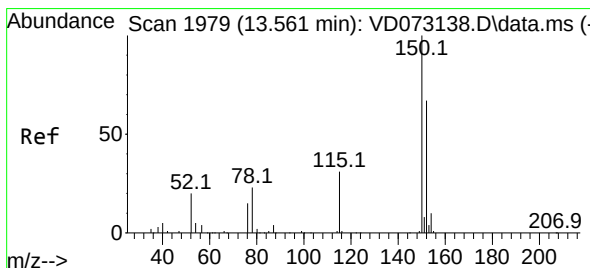
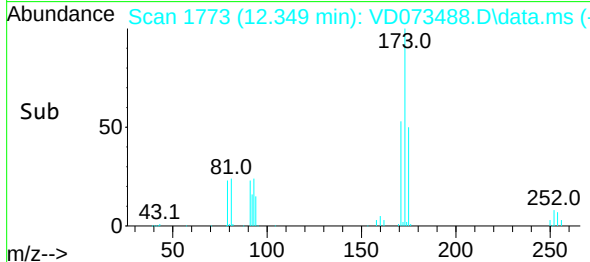
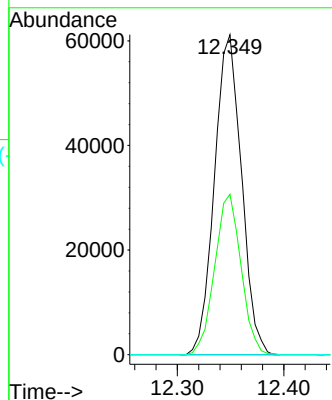
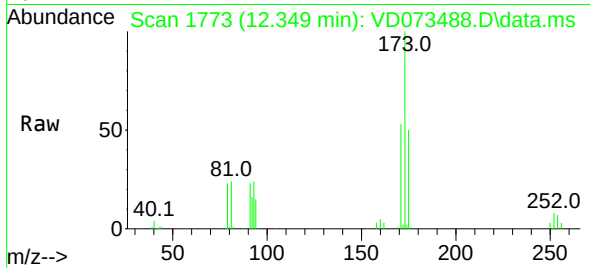




#71  
Bromoform  
Concen: 57.122 ug/l  
RT: 12.349 min Scan# 1773  
Delta R.T. 0.000 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

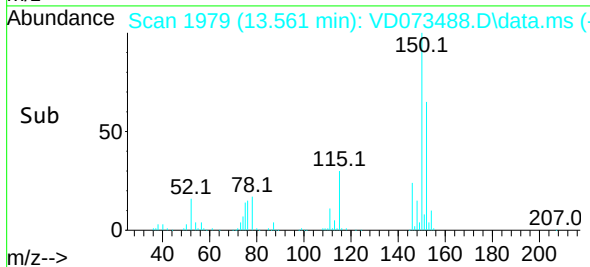
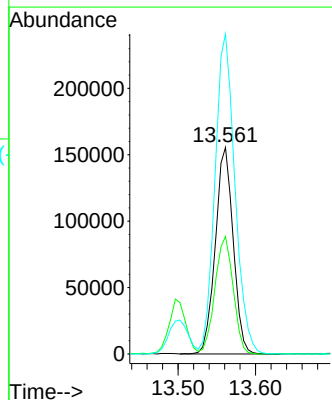
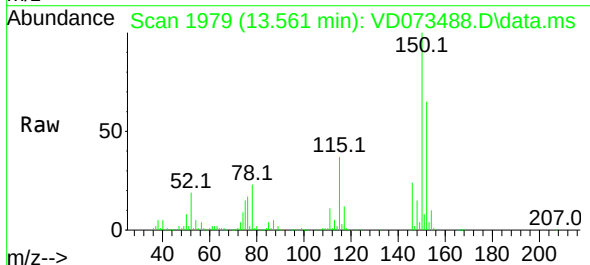
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:173 Resp: 107769  
Ion Ratio Lower Upper  
173 100  
175 48.9 23.9 71.8  
254 0.0 0.0 0.0

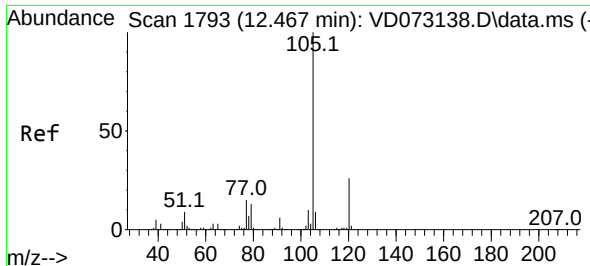


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. 0.000 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

Tgt Ion:152 Resp: 249186  
Ion Ratio Lower Upper  
152 100  
115 57.9 31.3 93.8  
150 172.5 0.0 348.6



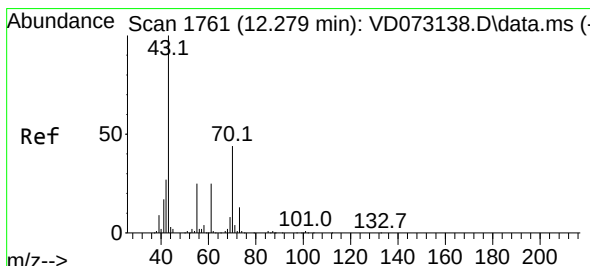
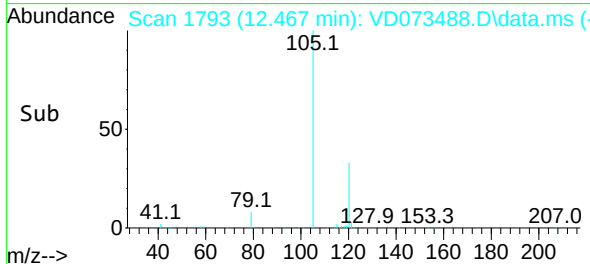
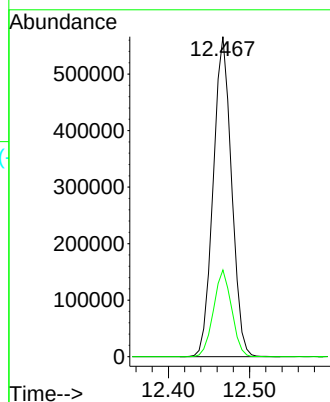
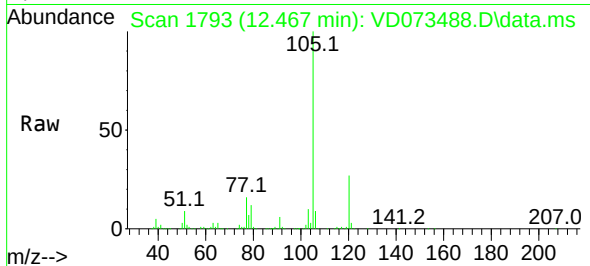




#73  
Isopropylbenzene  
Concen: 50.009 ug/l  
RT: 12.467 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

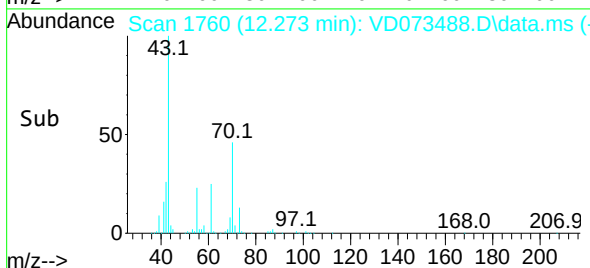
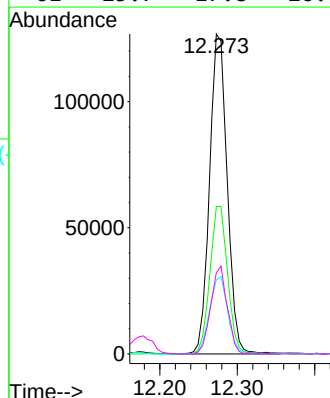
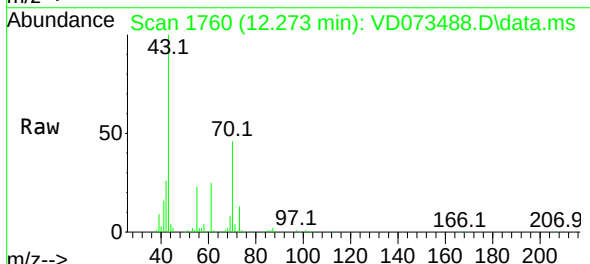
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

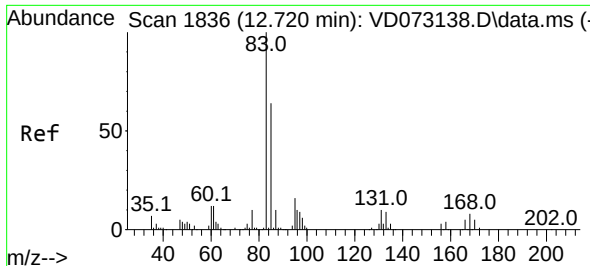
Tgt Ion:105 Resp: 888374  
Ion Ratio Lower Upper  
105 100  
120 26.7 13.0 38.9



#74  
N-ethyl acetate  
Concen: 51.891 ug/l  
RT: 12.273 min Scan# 1760  
Delta R.T. -0.006 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

Tgt Ion: 43 Resp: 201093  
Ion Ratio Lower Upper  
43 100  
70 46.3 31.3 46.9  
55 25.2 20.0 30.0  
61 25.7 17.8 26.8

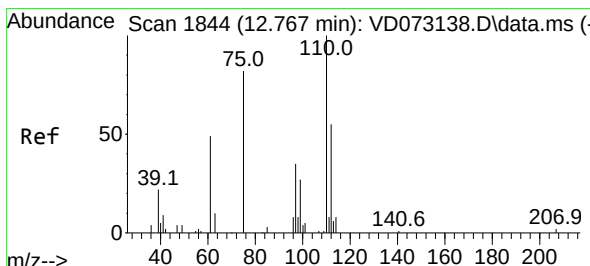
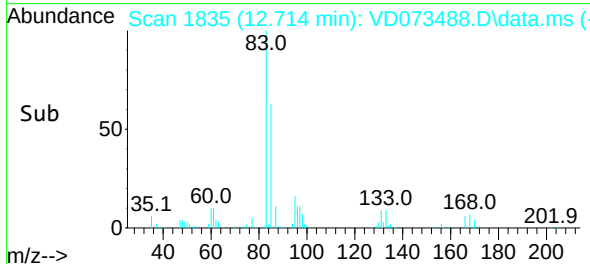
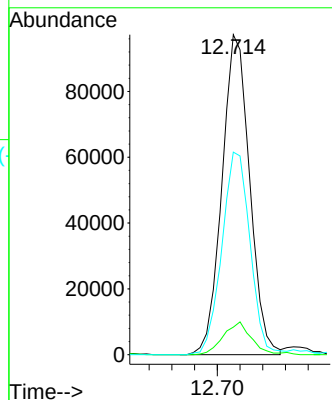
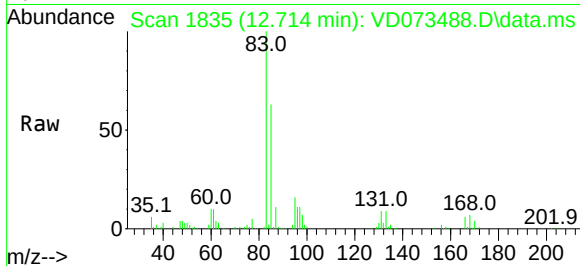




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 50.208 ug/l  
 RT: 12.714 min Scan# 1835  
 Delta R.T. -0.006 min  
 Lab File: VD073488.D  
 Acq: 06 Jun 2022 21:43

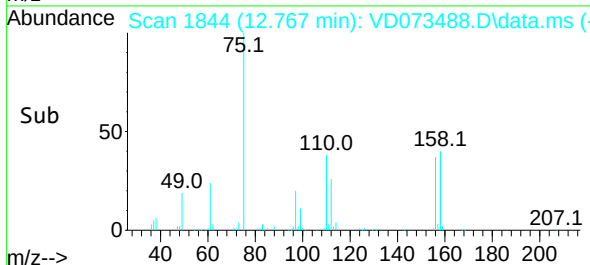
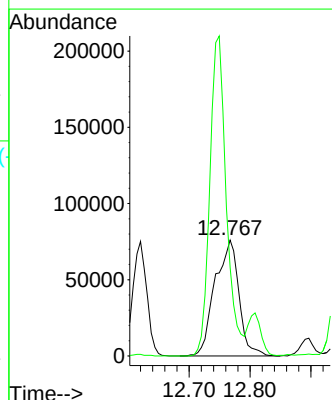
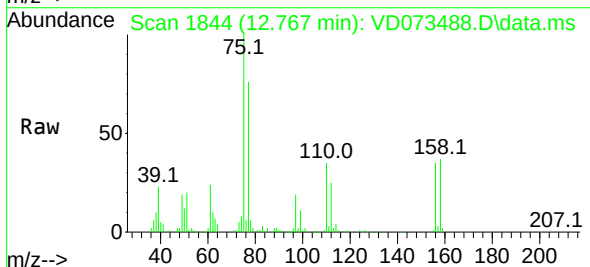
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
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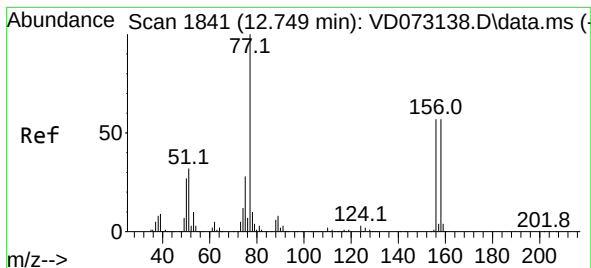
Tgt Ion: 83 Resp: 164496  
 Ion Ratio Lower Upper  
 83 100  
 131 10.5 5.0 14.9  
 85 64.5 32.6 98.0



#76  
 1,2,3-Trichloropropane  
 Concen: 84.882 ug/l  
 RT: 12.767 min Scan# 1844  
 Delta R.T. 0.000 min  
 Lab File: VD073488.D  
 Acq: 06 Jun 2022 21:43

Tgt Ion: 75 Resp: 207533  
 Ion Ratio Lower Upper  
 75 100  
 77 190.5 0.0 0.0#





#77

Bromobenzene

Concen: 50.350 ug/l

RT: 12.749 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VD073488.D

Acq: 06 Jun 2022 21:43

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

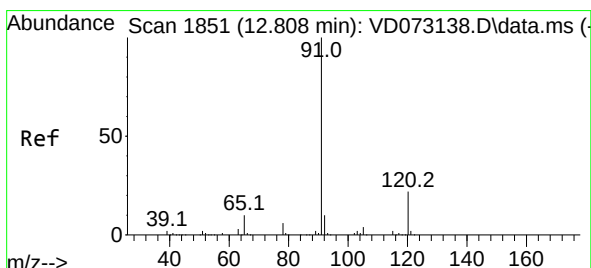
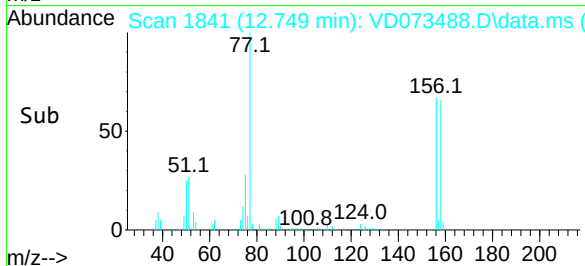
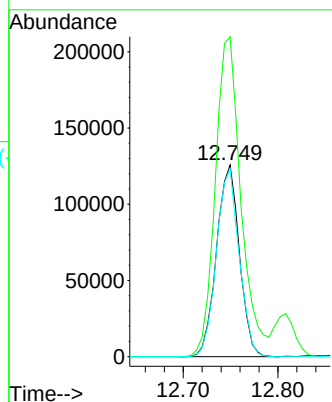
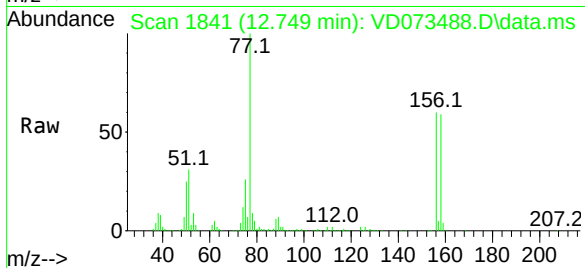
Tgt Ion:156 Resp: 210549

Ion Ratio Lower Upper

156 100

77 187.8 102.8 308.3

158 97.4 48.7 146.1



#78

n-propylbenzene

Concen: 49.508 ug/l

RT: 12.808 min Scan# 1851

Delta R.T. 0.000 min

Lab File: VD073488.D

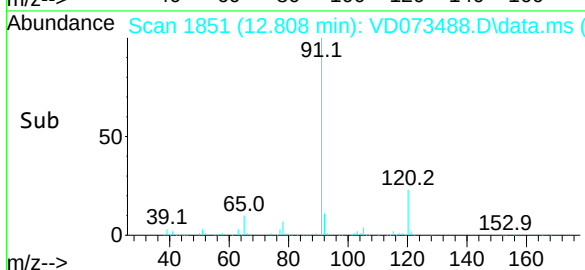
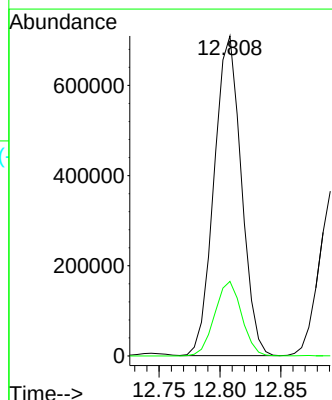
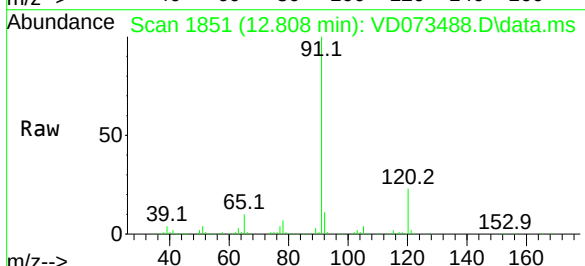
Acq: 06 Jun 2022 21:43

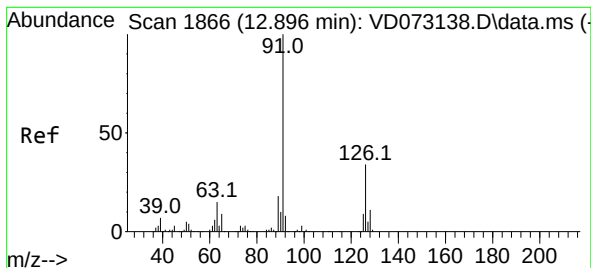
Tgt Ion: 91 Resp: 1104107

Ion Ratio Lower Upper

91 100

120 23.1 10.9 32.9

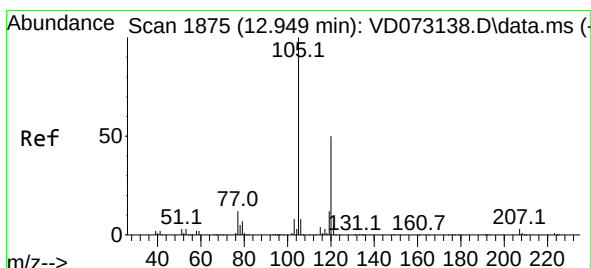
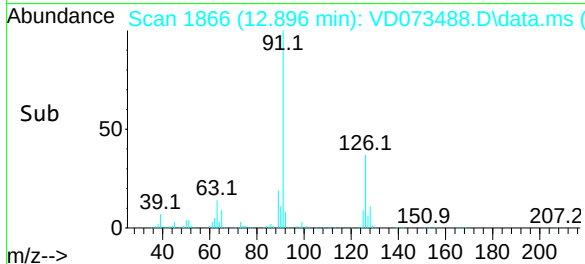
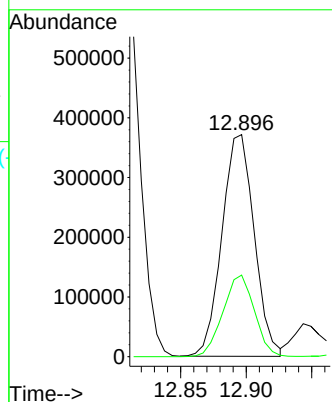
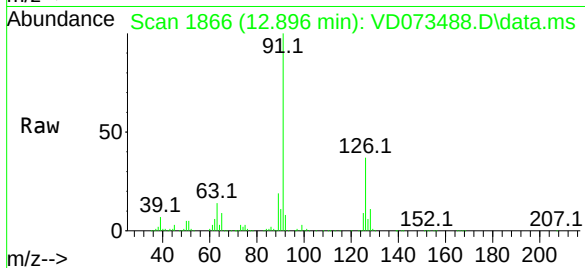




#79  
2-Chlorotoluene  
Concen: 49.347 ug/l  
RT: 12.896 min Scan# 1866  
Delta R.T. 0.000 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

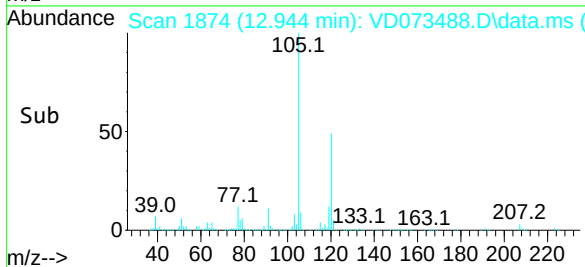
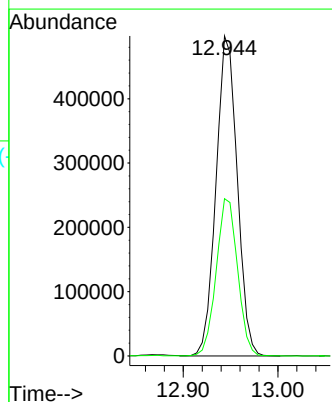
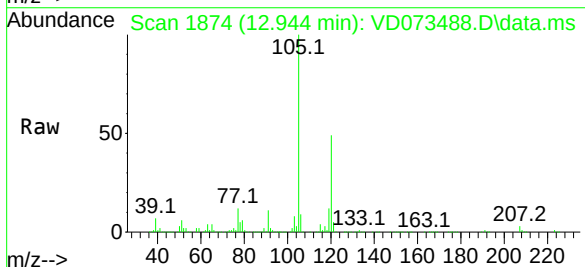
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

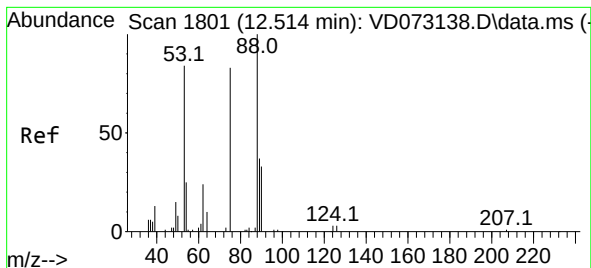
Tgt Ion: 91 Resp: 635424  
Ion Ratio Lower Upper  
91 100  
126 35.9 16.2 48.6



#80  
1,3,5-Trimethylbenzene  
Concen: 51.522 ug/l  
RT: 12.944 min Scan# 1874  
Delta R.T. -0.005 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

Tgt Ion: 105 Resp: 775315  
Ion Ratio Lower Upper  
105 100  
120 49.6 24.3 72.8

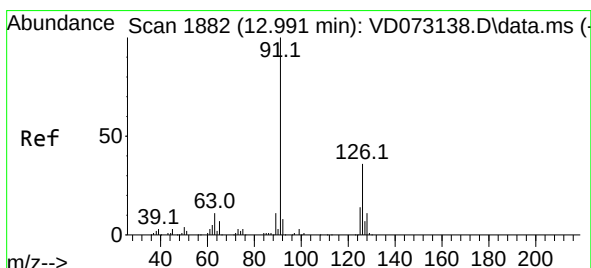
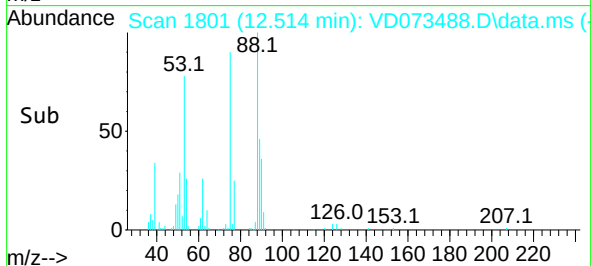
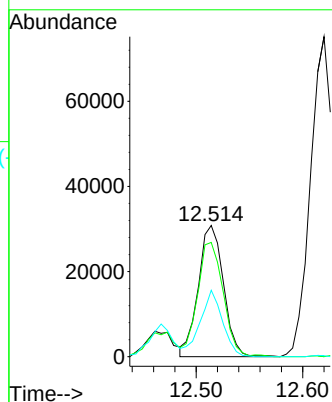
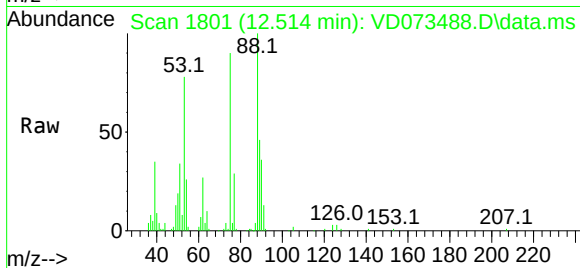




#81  
trans-1,4-Dichloro-2-butene  
Concen: 49.734 ug/l  
RT: 12.514 min Scan# 1801  
Delta R.T. 0.000 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

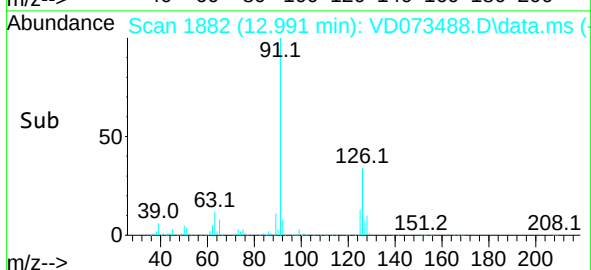
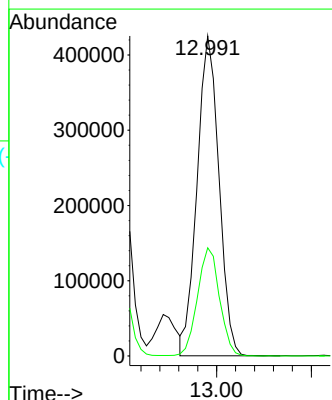
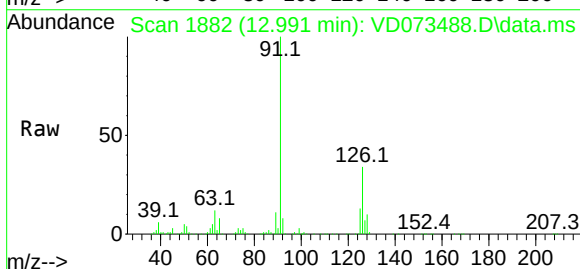
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

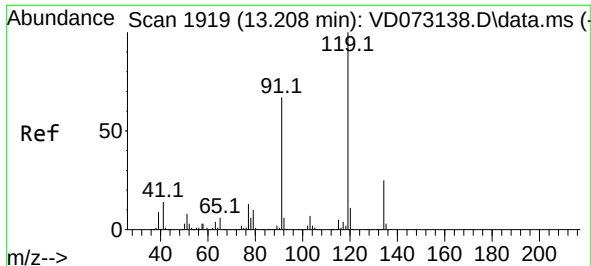
Tgt Ion: 75 Resp: 50651  
Ion Ratio Lower Upper  
75 100  
53 89.2 86.5 129.7  
89 45.4 33.9 50.9



#82  
4-Chlorotoluene  
Concen: 50.319 ug/l  
RT: 12.991 min Scan# 1882  
Delta R.T. -0.000 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

Tgt Ion: 91 Resp: 679147  
Ion Ratio Lower Upper  
91 100  
126 34.2 16.5 49.5

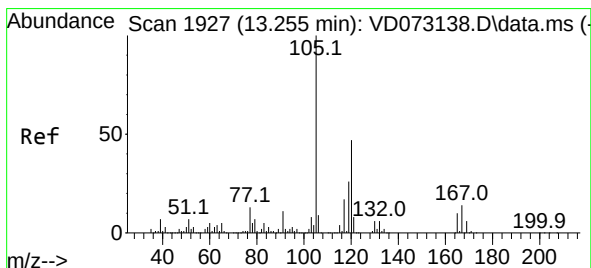
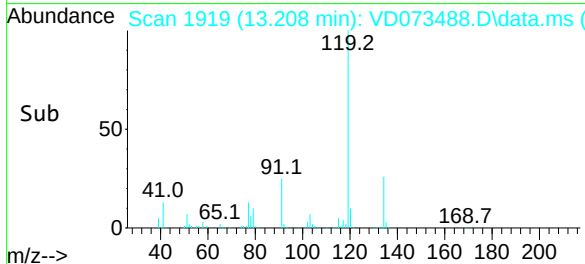
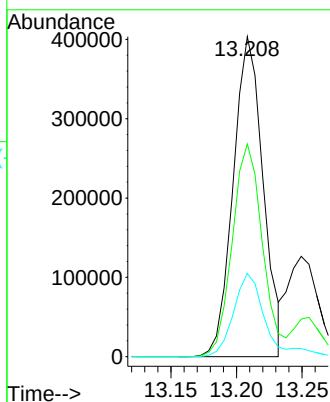
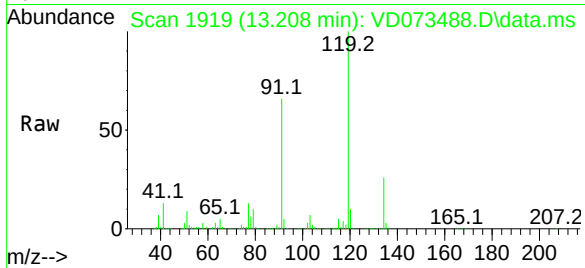




#83  
 tert-Butylbenzene  
 Concen: 50.620 ug/l  
 RT: 13.208 min Scan# 1919  
 Delta R.T. 0.000 min  
 Lab File: VD073488.D  
 Acq: 06 Jun 2022 21:43

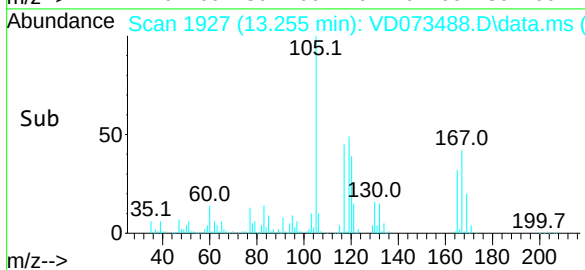
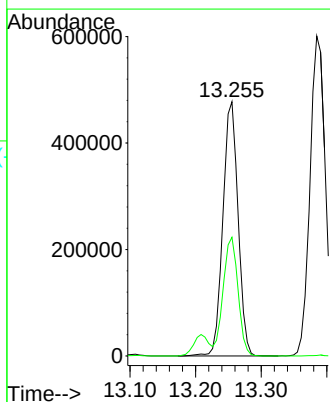
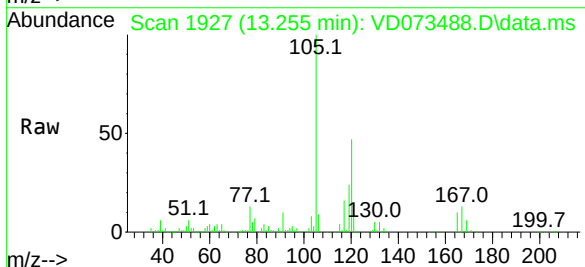
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

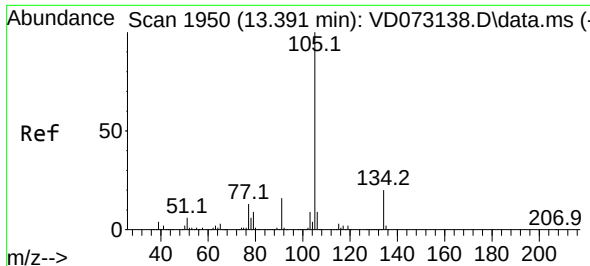
Tgt Ion:119 Resp: 641990  
 Ion Ratio Lower Upper  
 119 100  
 91 67.2 34.8 104.5  
 134 27.5 13.3 39.9



#84  
 1,2,4-Trimethylbenzene  
 Concen: 51.515 ug/l  
 RT: 13.255 min Scan# 1927  
 Delta R.T. 0.000 min  
 Lab File: VD073488.D  
 Acq: 06 Jun 2022 21:43

Tgt Ion:105 Resp: 765831  
 Ion Ratio Lower Upper  
 105 100  
 120 45.7 22.3 66.8

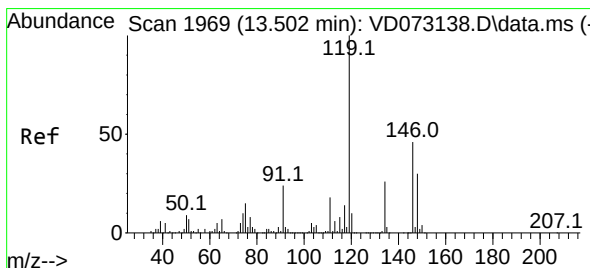
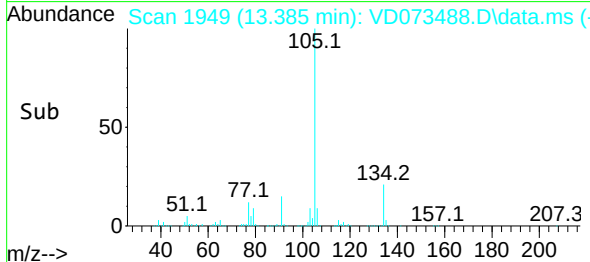
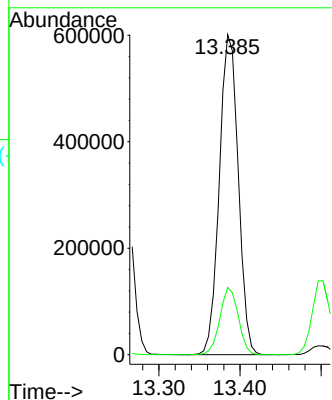
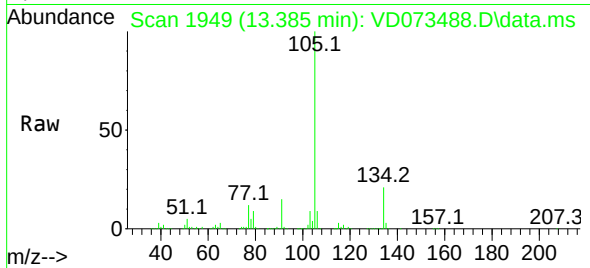




#85  
 sec-Butylbenzene  
 Concen: 50.335 ug/l  
 RT: 13.385 min Scan# 1949  
 Delta R.T. -0.006 min  
 Lab File: VD073488.D  
 Acq: 06 Jun 2022 21:43

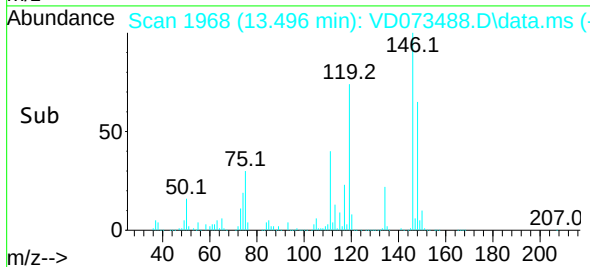
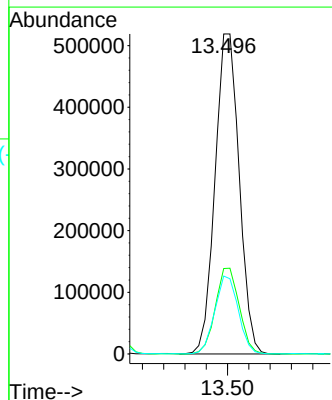
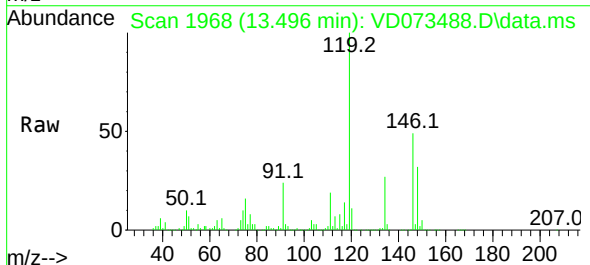
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

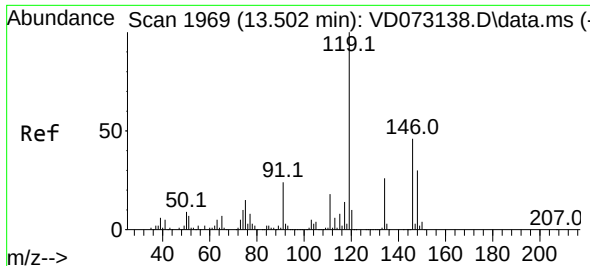
Tgt Ion:105 Resp: 974738  
 Ion Ratio Lower Upper  
 105 100  
 134 20.4 9.8 29.3



#86  
 p-Isopropyltoluene  
 Concen: 51.669 ug/l  
 RT: 13.496 min Scan# 1968  
 Delta R.T. -0.006 min  
 Lab File: VD073488.D  
 Acq: 06 Jun 2022 21:43

Tgt Ion:119 Resp: 815632  
 Ion Ratio Lower Upper  
 119 100  
 134 26.5 12.9 38.6  
 91 23.6 12.1 36.3

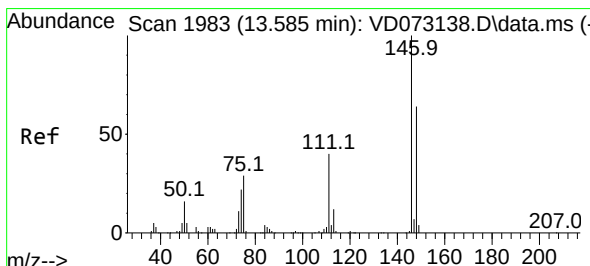
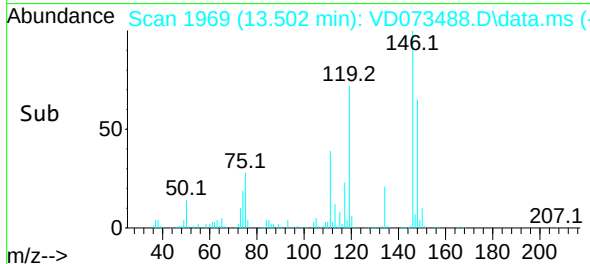
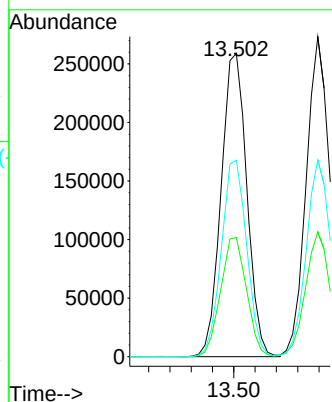
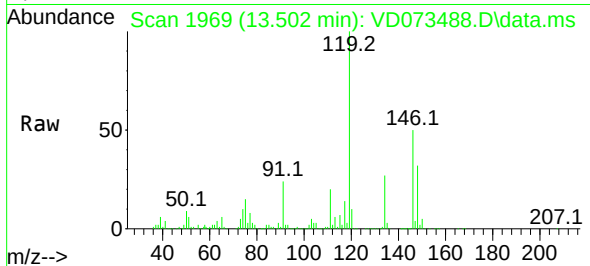




#87  
1,3-Dichlorobenzene  
Concen: 51.449 ug/l  
RT: 13.502 min Scan# 1969  
Delta R.T. 0.000 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

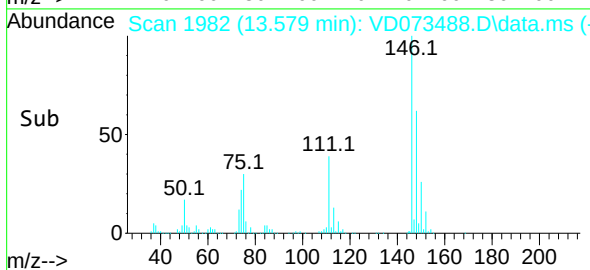
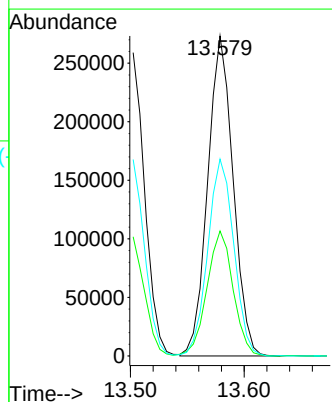
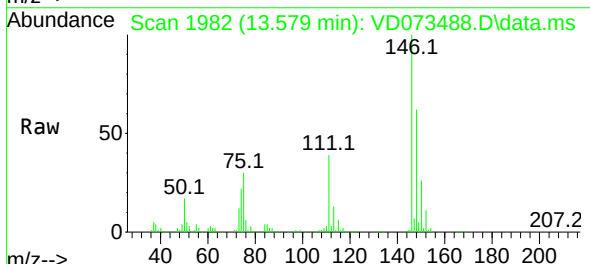
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:146 Resp: 433655  
Ion Ratio Lower Upper  
146 100  
111 39.7 20.4 61.3  
148 64.0 31.9 95.7

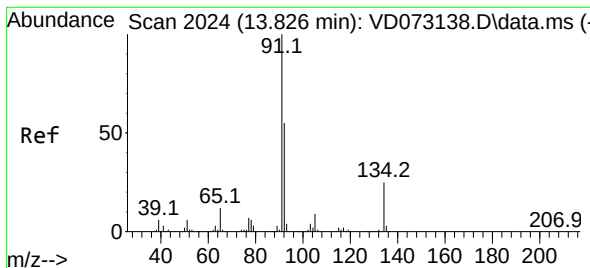


#88  
1,4-Dichlorobenzene  
Concen: 49.951 ug/l  
RT: 13.579 min Scan# 1982  
Delta R.T. -0.006 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

Tgt Ion:146 Resp: 425012  
Ion Ratio Lower Upper  
146 100  
111 40.2 20.3 60.9  
148 63.2 31.7 95.1







#89

n-Butylbenzene

Concen: 50.846 ug/l

RT: 13.826 min Scan# 2024

Delta R.T. -0.000 min

Lab File: VD073488.D

Acq: 06 Jun 2022 21:43

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

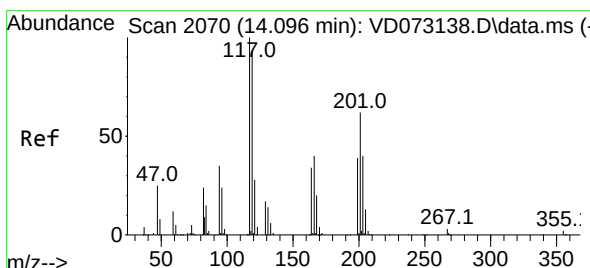
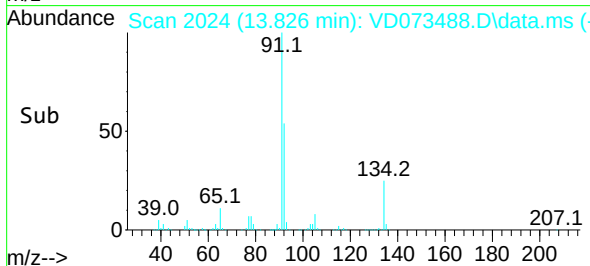
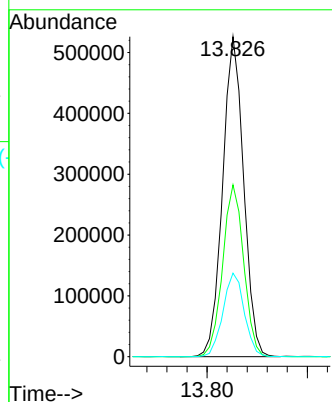
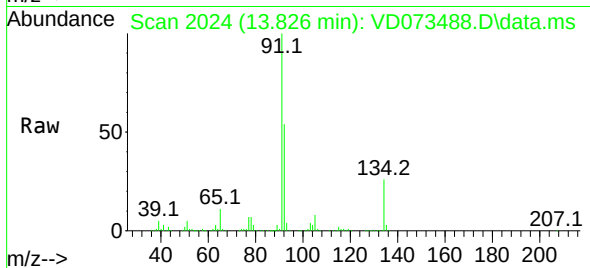
Tgt Ion: 91 Resp: 764769

Ion Ratio Lower Upper

91 100

92 53.8 26.6 79.8

134 26.4 12.3 36.9



#90

Hexachloroethane

Concen: 50.035 ug/l

RT: 14.096 min Scan# 2070

Delta R.T. 0.000 min

Lab File: VD073488.D

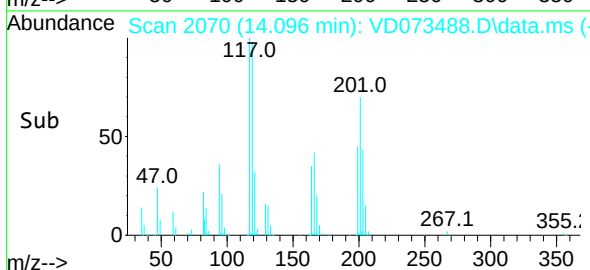
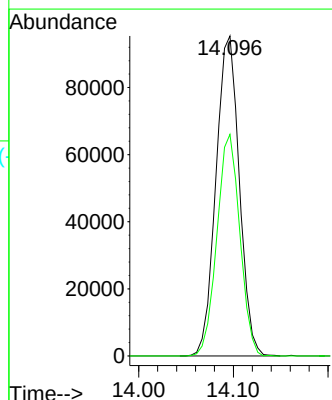
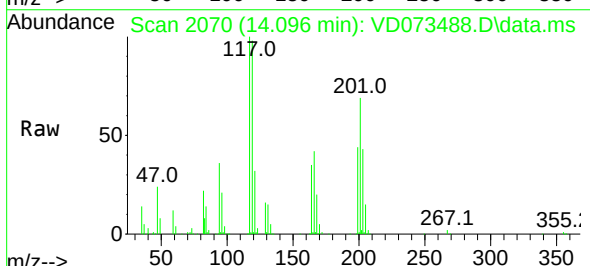
Acq: 06 Jun 2022 21:43

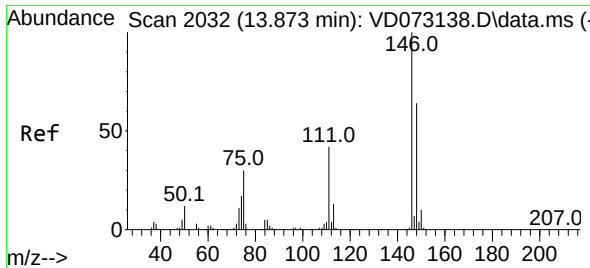
Tgt Ion: 117 Resp: 163430

Ion Ratio Lower Upper

117 100

201 67.9 33.4 100.2

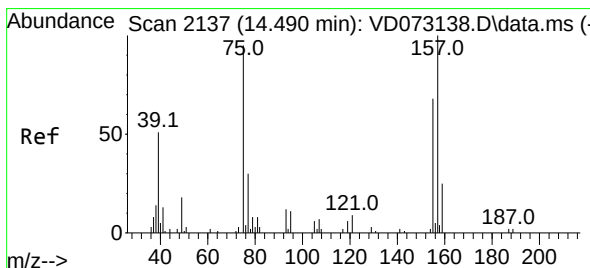
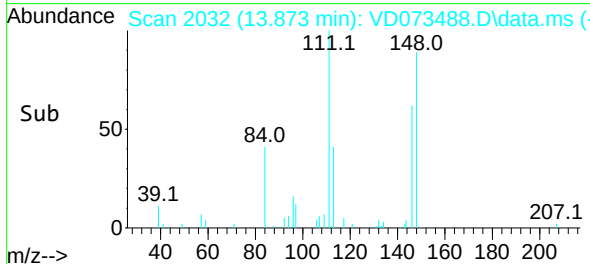
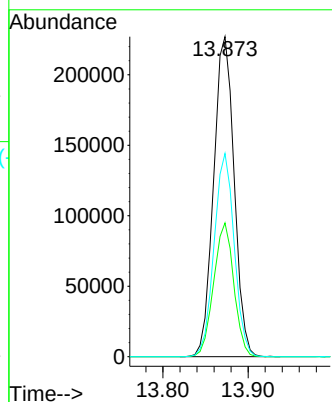
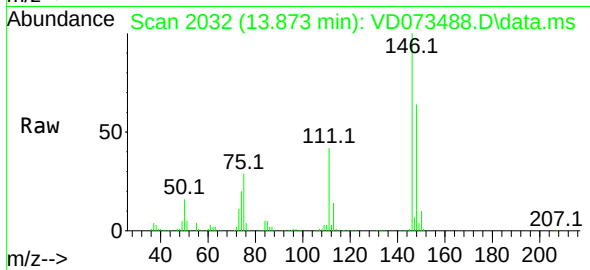




#91  
1,2-Dichlorobenzene  
Concen: 52.150 ug/l  
RT: 13.873 min Scan# 2032  
Delta R.T. -0.000 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

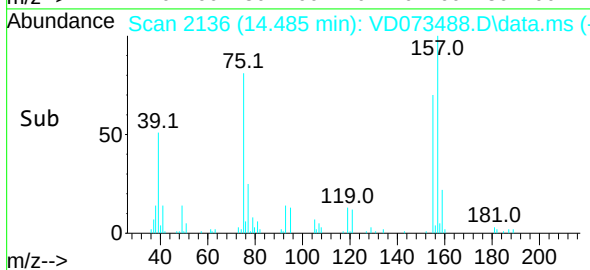
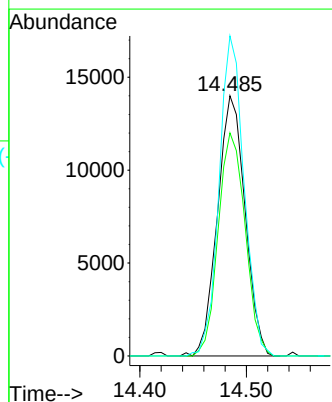
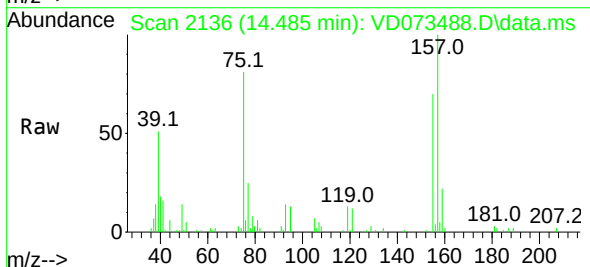
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

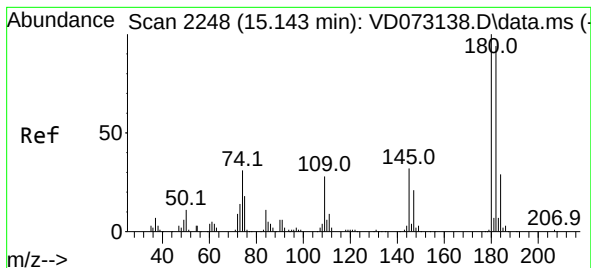
Tgt Ion:146 Resp: 380328  
Ion Ratio Lower Upper  
146 100  
111 41.0 21.1 63.3  
148 62.3 31.7 95.1



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 50.212 ug/l  
RT: 14.485 min Scan# 2136  
Delta R.T. -0.005 min  
Lab File: VD073488.D  
Acq: 06 Jun 2022 21:43

Tgt Ion: 75 Resp: 25193  
Ion Ratio Lower Upper  
75 100  
155 83.7 36.8 110.3  
157 111.0 48.4 145.0





#93

1,2,4-Trichlorobenzene

Concen: 55.894 ug/l

RT: 15.138 min Scan# 21

Delta R.T. -0.005 min

Lab File: VD073488.D

Acq: 06 Jun 2022 21:43

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

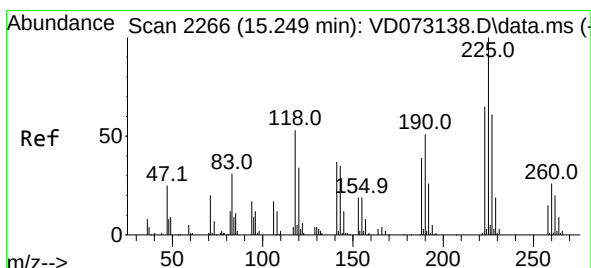
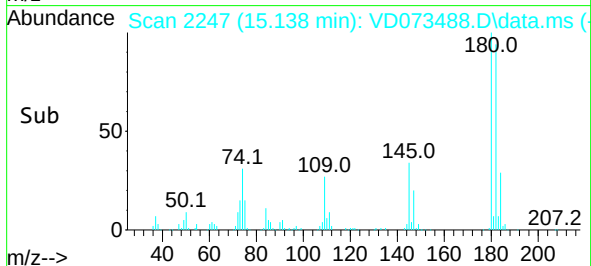
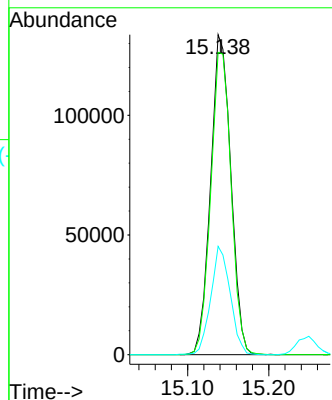
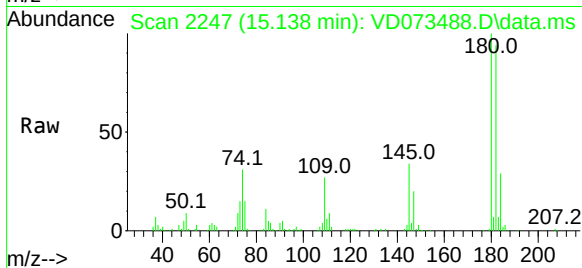
Tgt Ion:180 Resp: 231426

Ion Ratio Lower Upper

180 100

182 95.3 47.3 142.0

145 32.6 16.2 48.5



#94

Hexachlorobutadiene

Concen: 51.289 ug/l

RT: 15.249 min Scan# 2266

Delta R.T. 0.000 min

Lab File: VD073488.D

Acq: 06 Jun 2022 21:43

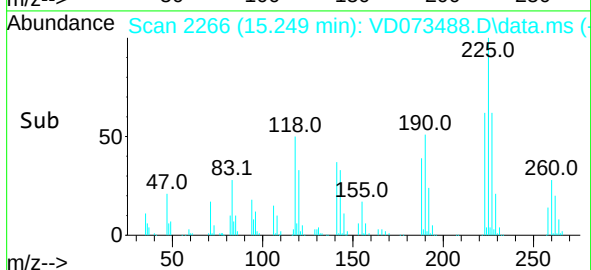
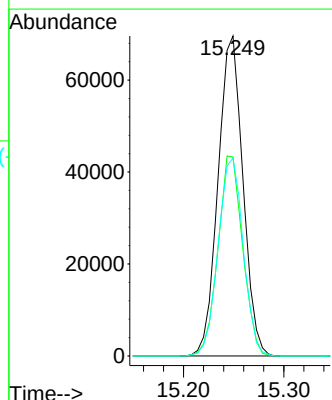
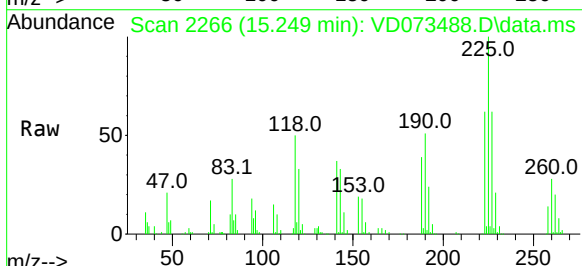
Tgt Ion:225 Resp: 119665

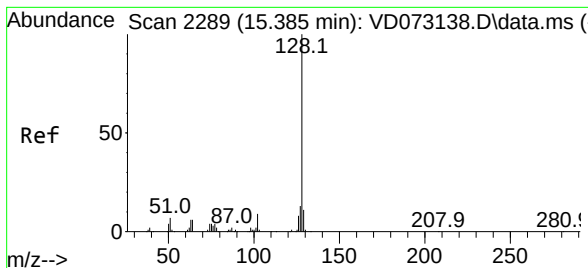
Ion Ratio Lower Upper

225 100

223 62.1 31.1 93.2

227 62.4 32.4 97.0





#95

Naphthalene

Concen: 53.729 ug/l

RT: 15.379 min Scan# 2288

Delta R.T. -0.006 min

Lab File: VD073488.D

Acq: 06 Jun 2022 21:43

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

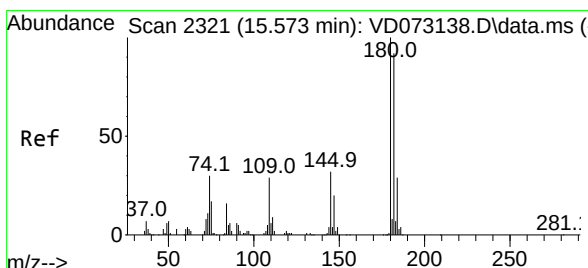
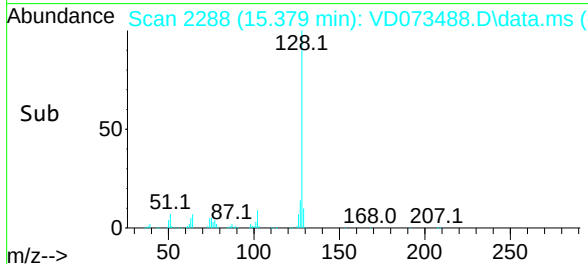
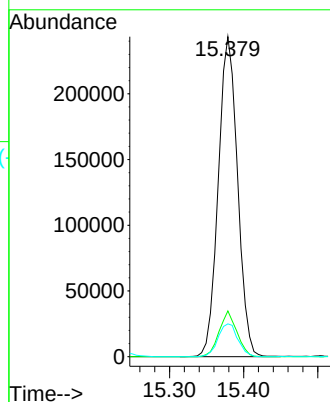
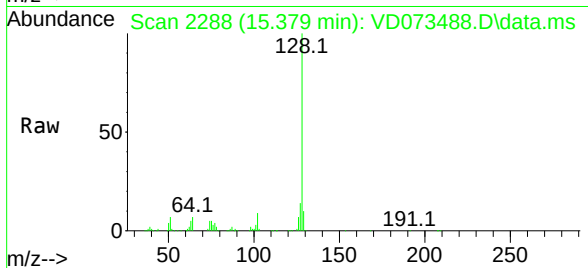
Tgt Ion:128 Resp: 440446

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 10.6 8.4 12.6



#96

1,2,3-Trichlorobenzene

Concen: 55.026 ug/l

RT: 15.573 min Scan# 2321

Delta R.T. -0.000 min

Lab File: VD073488.D

Acq: 06 Jun 2022 21:43

Tgt Ion:180 Resp: 201977

Ion Ratio Lower Upper

180 100

182 94.2 47.6 142.9

145 35.0 17.1 51.3

