

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD072122\  
 Data File : VD073890.D  
 Acq On : 21 Jul 2022 11:55  
 Operator : VA/SY  
 Sample : VD0721SBL01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0721SBL01

Quant Time: Jul 22 01:18:14 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071822S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 20 15:29:08 2022  
 Response via : Initial Calibration

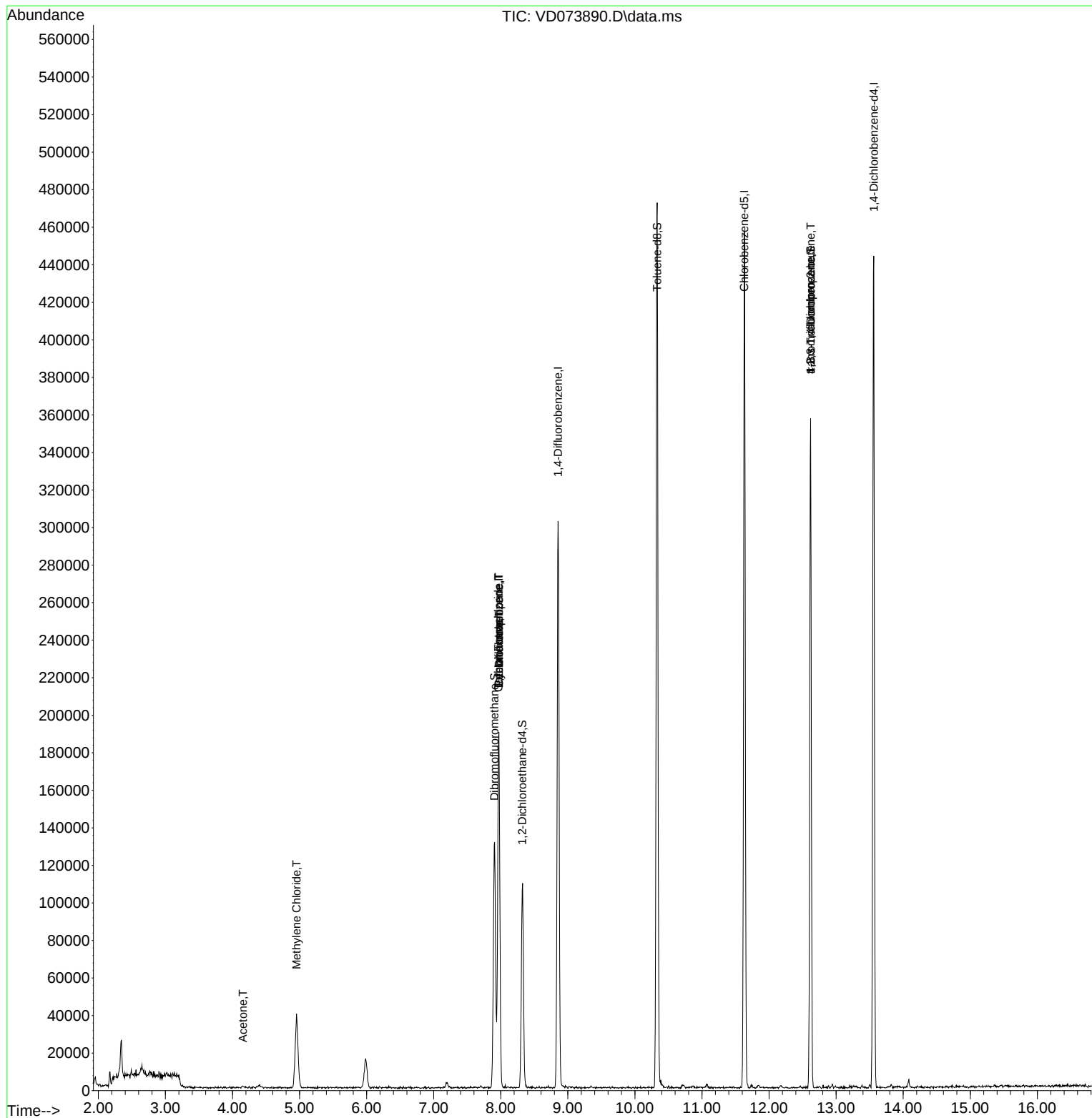
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.973  | 168   | 135801   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.855  | 114   | 261604   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.632 | 117   | 253214   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561 | 152   | 115277   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.320  | 65    | 83876    | 51.724    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 103.440% |          |
| 35) Dibromofluoromethane      | 7.903  | 113   | 91214    | 49.423    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 98.840%  |          |
| 50) Toluene-d8                | 10.332 | 98    | 326986   | 48.805    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 97.620%  |          |
| 62) 4-Bromofluorobenzene      | 12.620 | 95    | 111673   | 48.479    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 96.960%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.991  | 85    | 173      | Below Cal | #          | 43       |
| 3) Chloromethane              | 2.209  | 50    | 1485     | Below Cal |            | 92       |
| 11) Tert butyl alcohol        | 5.185  | 59    | 60       | Below Cal | #          | 74       |
| 16) Acetone                   | 4.156  | 43    | 1284     | 4.825     | ug/l #     | 47       |
| 18) Methyl Acetate            | 4.662  | 43    | 54       | Below Cal | #          | 55       |
| 20) Methylene Chloride        | 4.956  | 84    | 27492    | 2.755     | ug/l #     | 86       |
| 31) Cyclohexane               | 7.973  | 56    | 3947     | 1.532     | ug/l #     | 29       |
| 36) 1,1-Dichloropropene       | 7.973  | 75    | 11998    | 4.506     | ug/l #     | 55       |
| 38) Carbon Tetrachloride      | 7.967  | 117   | 14058    | 4.623     | ug/l #     | 17       |
| 76) 1,2,3-Trichloropropane    | 12.620 | 75    | 61573    | 49.781    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.620 | 75    | 61573    | 134.331   | ug/l #     | 7        |
| -----                         |        |       |          |           |            |          |

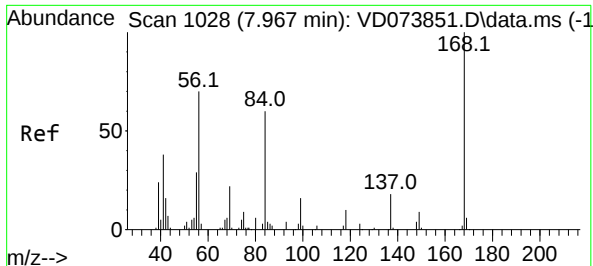
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VD0721SBL01  
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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0721SBL01

Quant Time: Jul 22 01:18:14 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071822S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jul 20 15:29:08 2022  
Response via : Initial Calibration

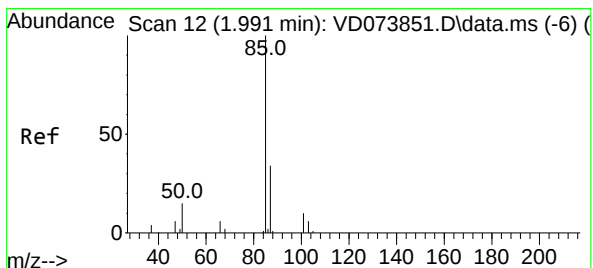
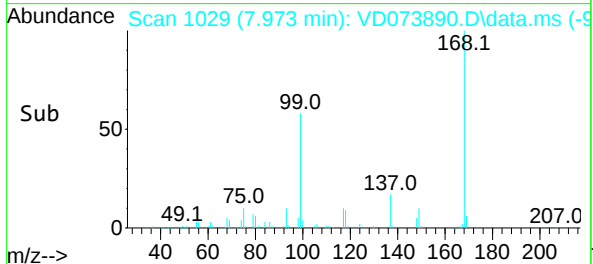
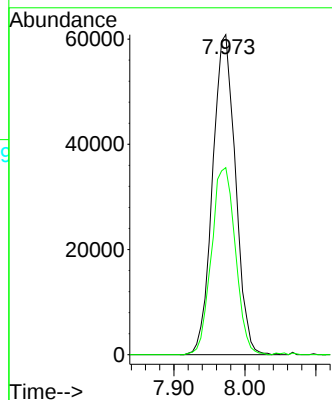
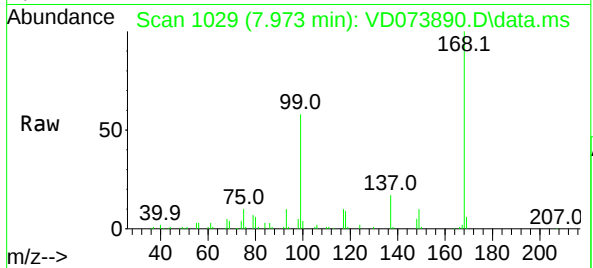




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VD073890.D  
Acq: 21 Jul 2022 11:55

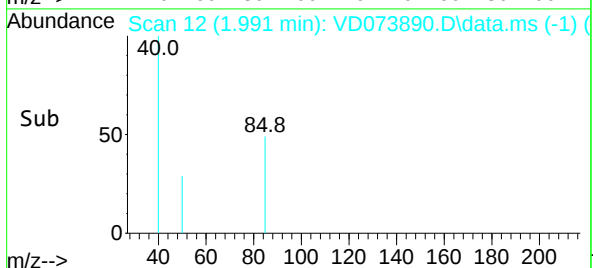
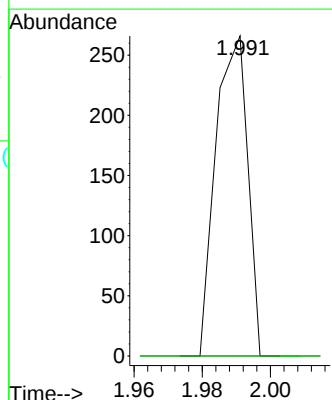
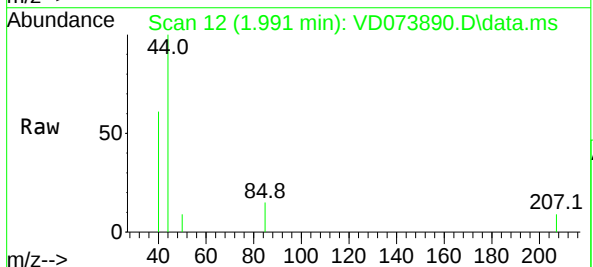
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0721SBL01

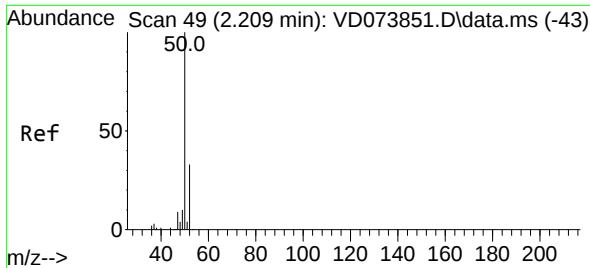
Tgt Ion:168 Resp: 135801  
Ion Ratio Lower Upper  
168 100  
99 58.4 49.8 74.6



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.991 min Scan# 12  
Delta R.T. 0.000 min  
Lab File: VD073890.D  
Acq: 21 Jul 2022 11:55

Tgt Ion: 85 Resp: 173  
Ion Ratio Lower Upper  
85 100  
87 0.0 15.7 47.0#

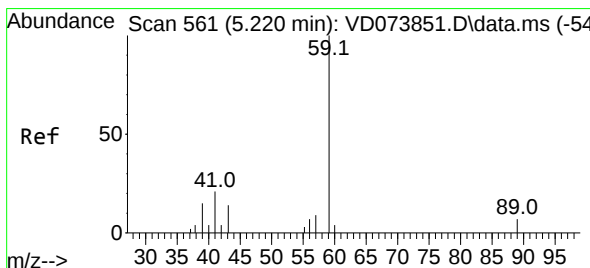
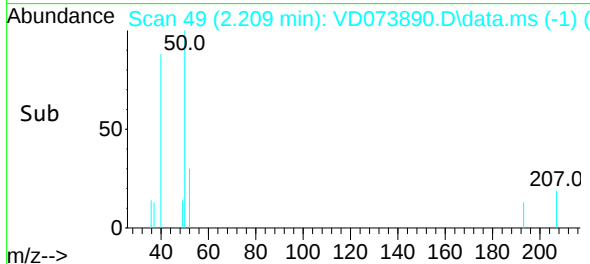
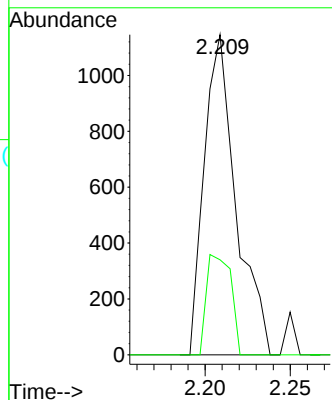
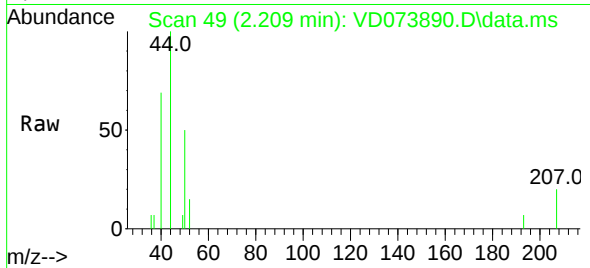




#3  
Chloromethane  
Concen: Below Cal  
RT: 2.209 min Scan# 49  
Delta R.T. -0.000 min  
Lab File: VD073890.D  
Acq: 21 Jul 2022 11:55

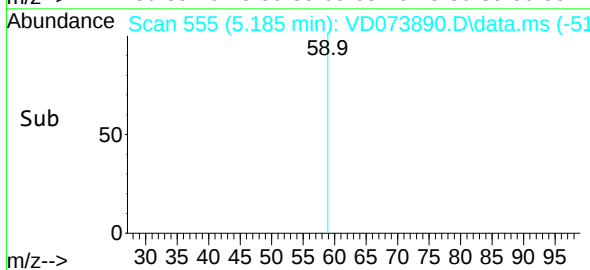
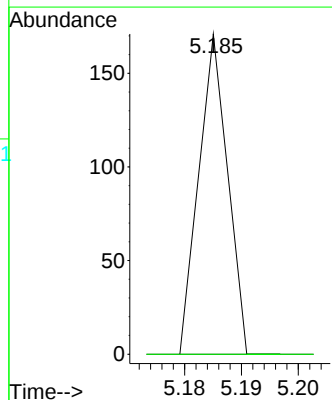
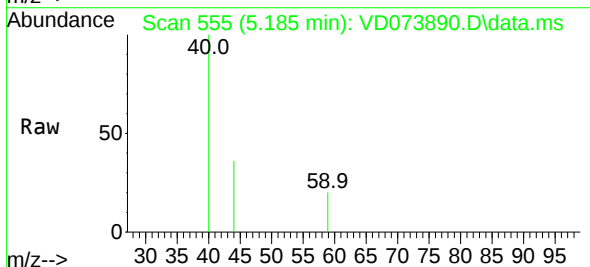
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0721SBL01

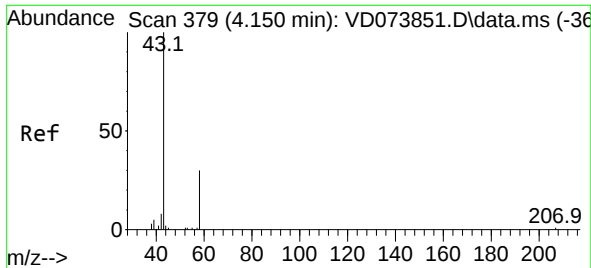
Tgt Ion: 50 Resp: 1485  
Ion Ratio Lower Upper  
50 100  
52 29.7 27.4 41.0



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 5.185 min Scan# 555  
Delta R.T. -0.035 min  
Lab File: VD073890.D  
Acq: 21 Jul 2022 11:55

Tgt Ion: 59 Resp: 60  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.6#

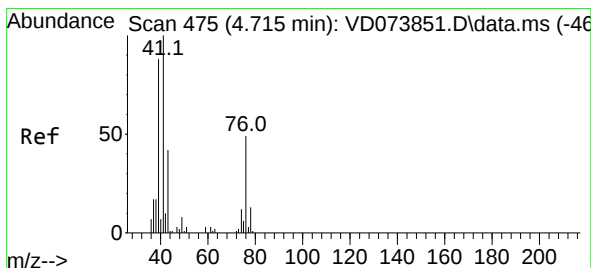
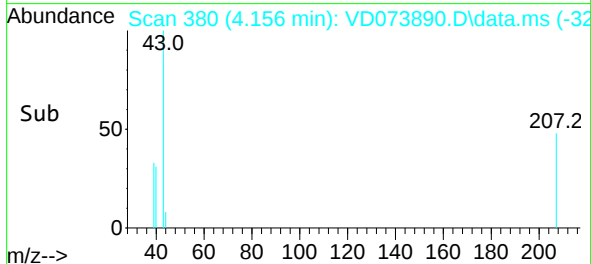
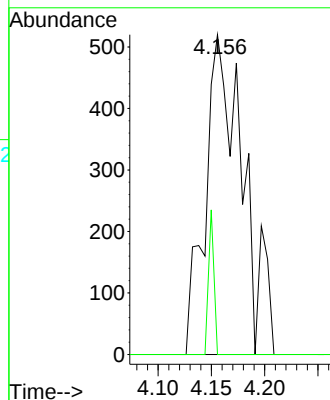
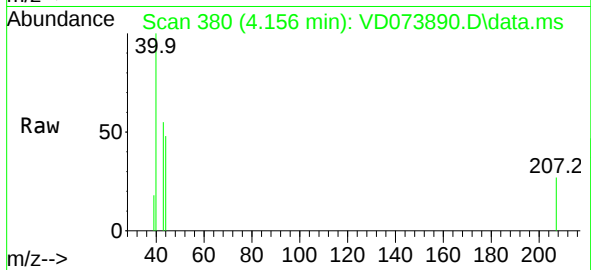




#16  
Acetone  
Concen: 4.825 ug/l  
RT: 4.156 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VD073890.D  
Acq: 21 Jul 2022 11:55

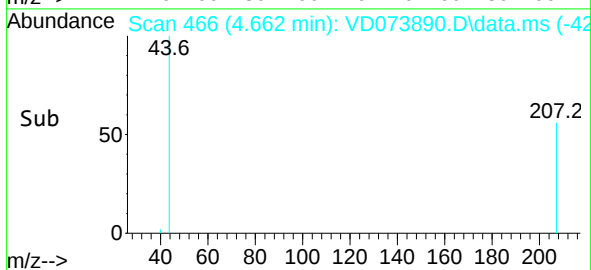
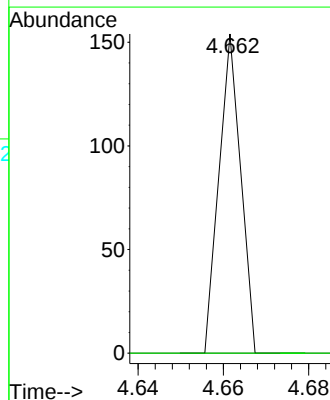
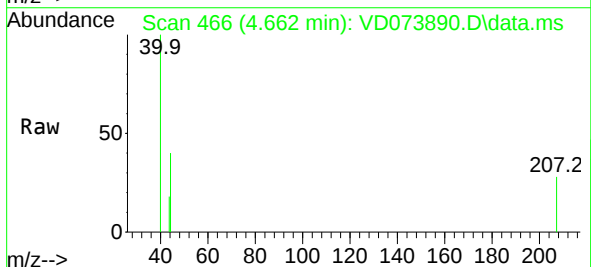
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0721SBL01

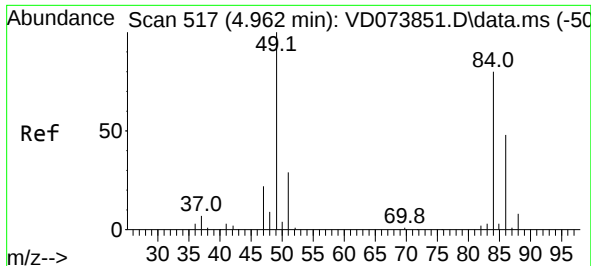
Tgt Ion: 43 Resp: 1284  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.1 33.1#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.662 min Scan# 466  
Delta R.T. -0.053 min  
Lab File: VD073890.D  
Acq: 21 Jul 2022 11:55

Tgt Ion: 43 Resp: 54  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.7 25.1#





#20

Methylene Chloride

Concen: 2.755 ug/l

RT: 4.956 min Scan# 517

Delta R.T. -0.006 min

Lab File: VD073890.D

Acq: 21 Jul 2022 11:55

Instrument :

MSVOA\_D

ClientSampleId :

VD0721SBL01

Tgt Ion: 84 Resp: 27492

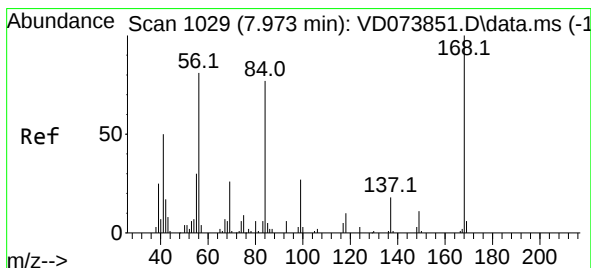
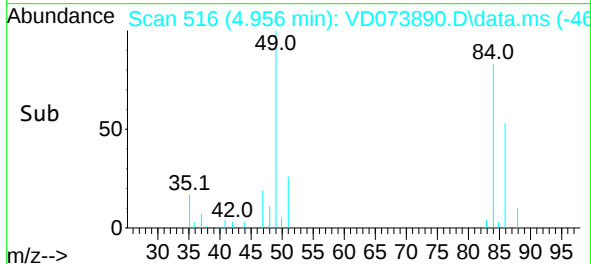
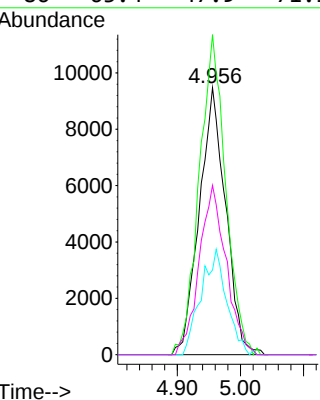
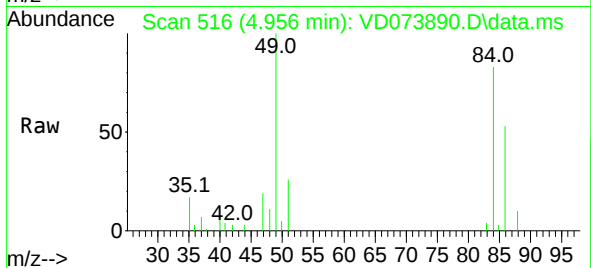
Ion Ratio Lower Upper

84 100

49 119.8 112.8 169.2

51 31.7 32.6 48.8#

86 63.4 47.9 71.9



#31

Cyclohexane

Concen: 1.532 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.000 min

Lab File: VD073890.D

Acq: 21 Jul 2022 11:55

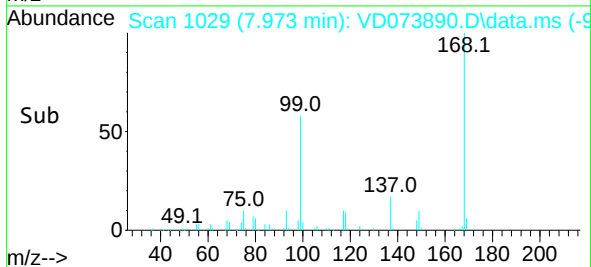
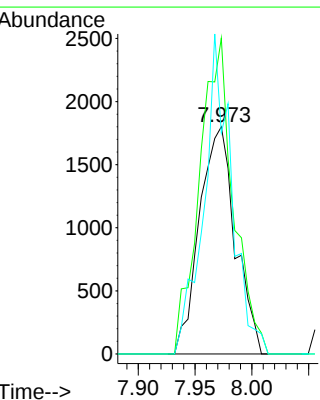
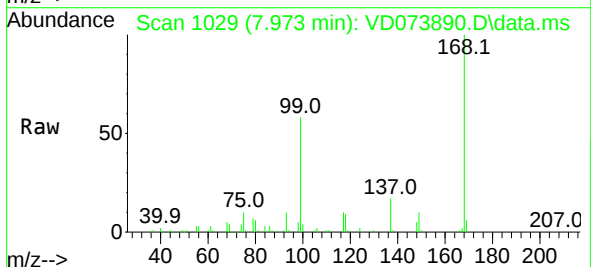
Tgt Ion: 56 Resp: 3947

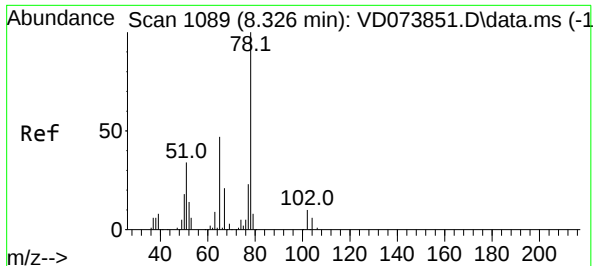
Ion Ratio Lower Upper

56 100

69 139.1 25.4 38.2#

84 97.4 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 51.724 ug/l

RT: 8.320 min Scan# 1108

Delta R.T. -0.006 min

Lab File: VD073890.D

Acq: 21 Jul 2022 11:55

Instrument :

MSVOA\_D

ClientSampleId :

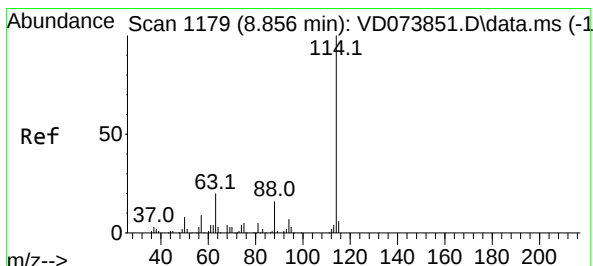
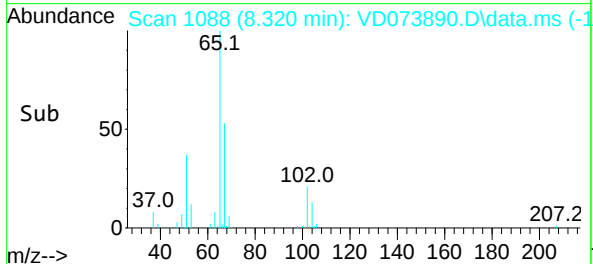
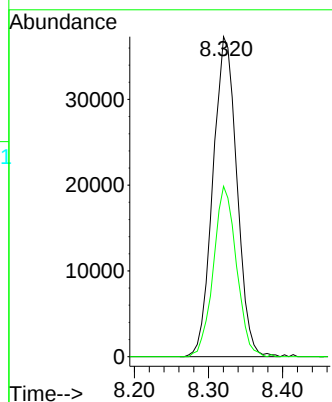
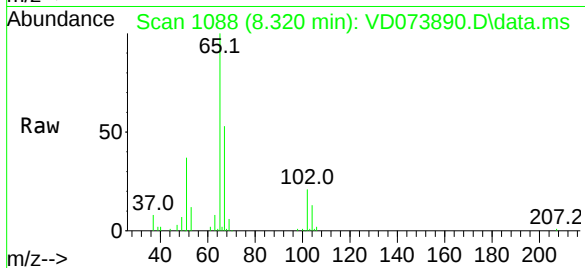
VD0721SBL01

Tgt Ion: 65 Resp: 83876

Ion Ratio Lower Upper

65 100

67 51.0 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: VD073890.D

Acq: 21 Jul 2022 11:55

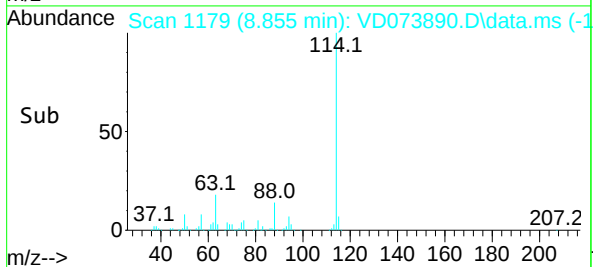
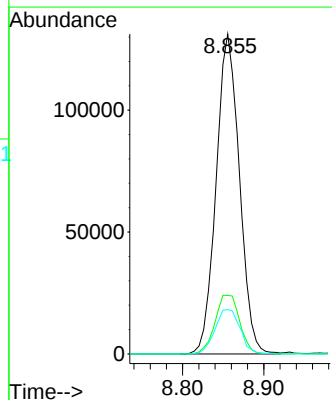
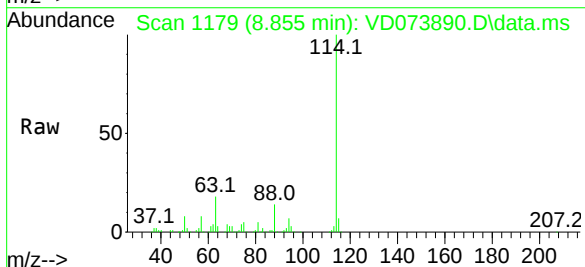
Tgt Ion: 114 Resp: 261604

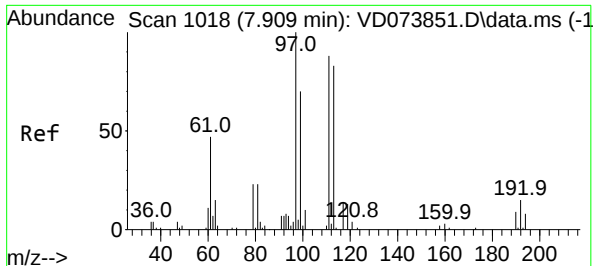
Ion Ratio Lower Upper

114 100

63 18.3 0.0 46.6

88 13.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.423 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.006 min

Lab File: VD073890.D

Acq: 21 Jul 2022 11:55

Instrument :

MSVOA\_D

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VD0721SBL01

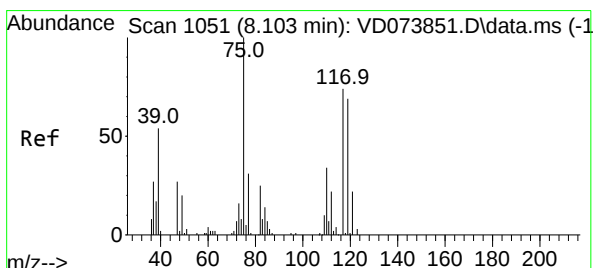
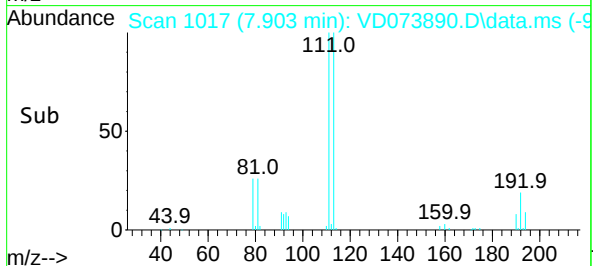
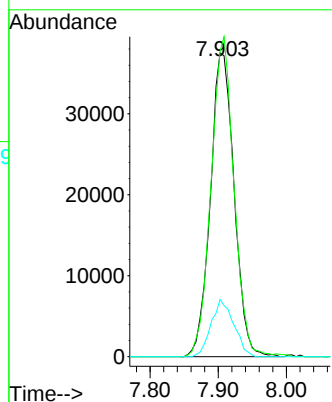
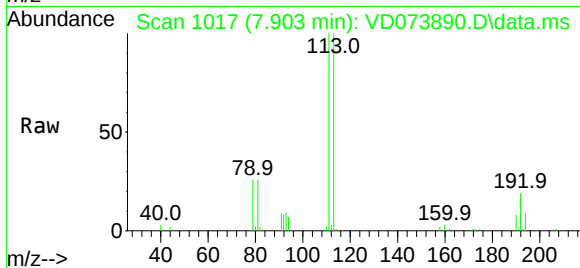
Tgt Ion:113 Resp: 91214

Ion Ratio Lower Upper

113 100

111 101.7 83.8 125.6

192 17.9 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.506 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.130 min

Lab File: VD073890.D

Acq: 21 Jul 2022 11:55

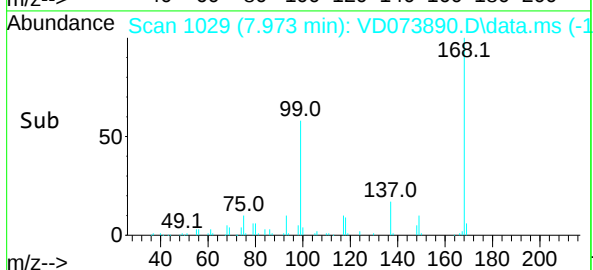
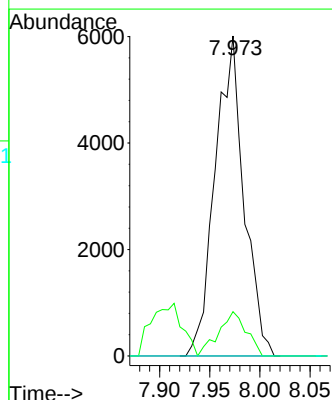
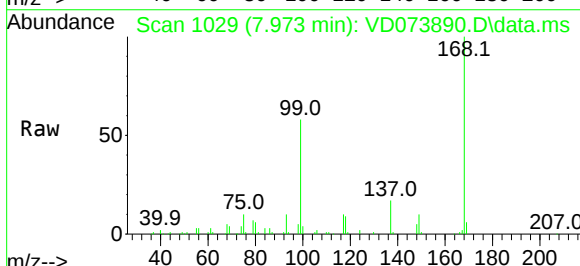
Tgt Ion: 75 Resp: 11998

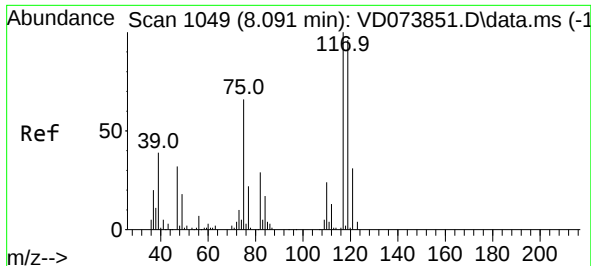
Ion Ratio Lower Upper

75 100

110 13.4 16.4 49.1#

77 0.0 24.2 36.2#

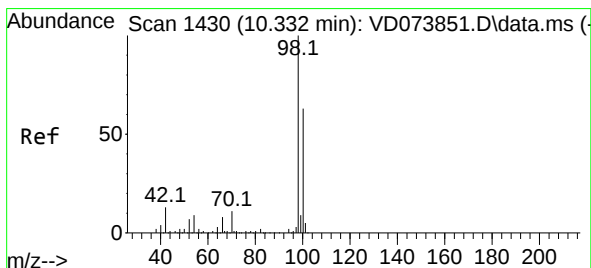
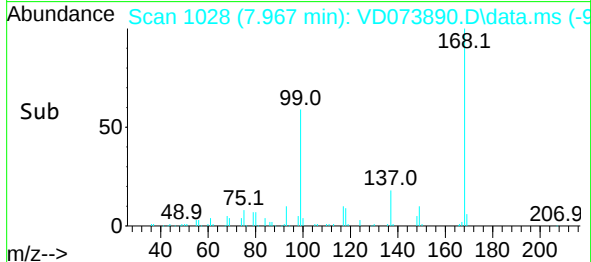
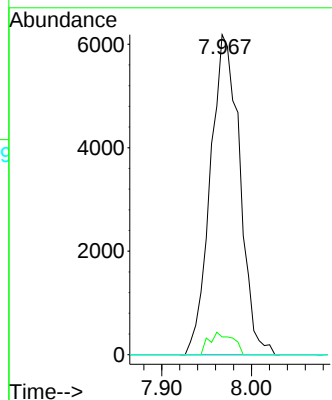
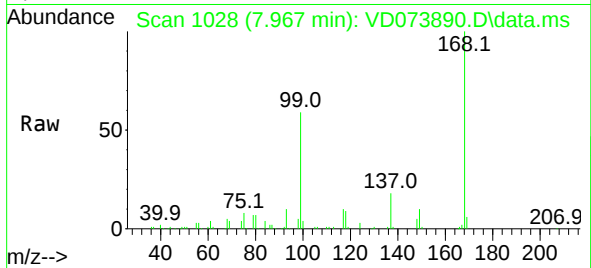




#38  
Carbon Tetrachloride  
Concen: 4.623 ug/l  
RT: 7.967 min Scan# 1028  
Delta R.T. -0.124 min  
Lab File: VD073890.D  
Acq: 21 Jul 2022 11:55

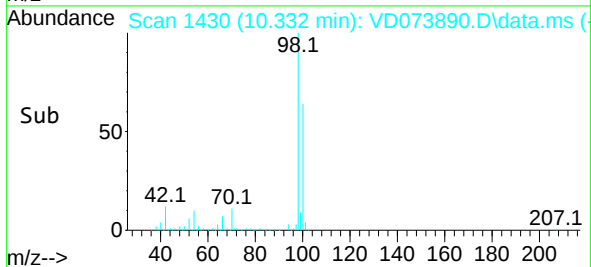
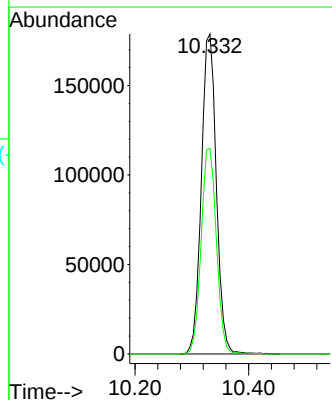
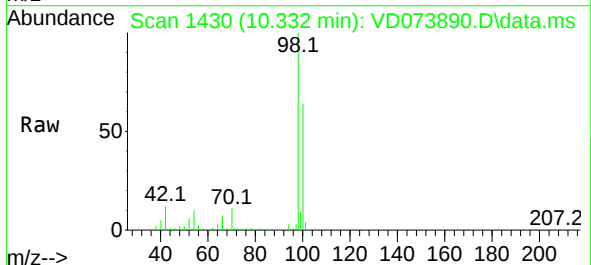
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0721SBL01

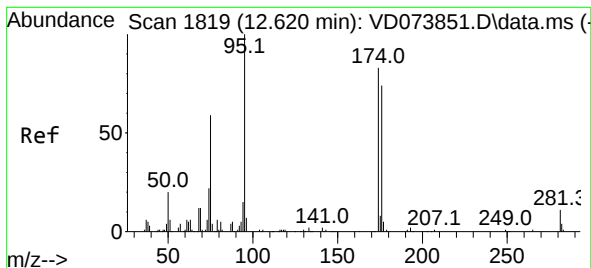
Tgt Ion:117 Resp: 14058  
Ion Ratio Lower Upper  
117 100  
119 5.5 75.8 113.6#  
121 0.0 24.5 36.7#



#50  
Toluene-d8  
Concen: 48.805 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073890.D  
Acq: 21 Jul 2022 11:55

Tgt Ion: 98 Resp: 326986  
Ion Ratio Lower Upper  
98 100  
100 65.6 52.4 78.6

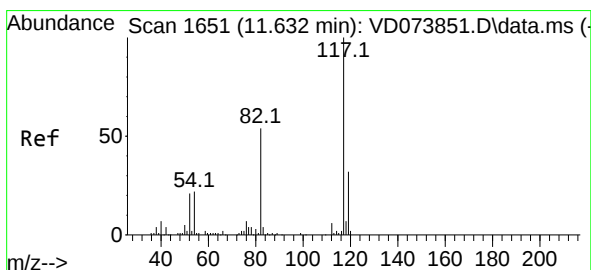
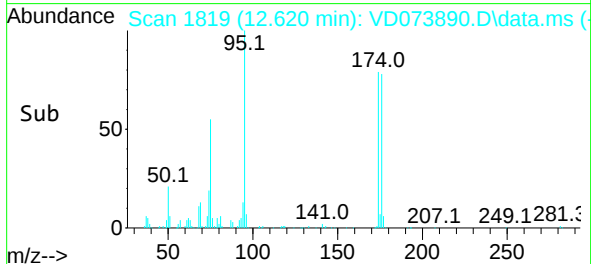
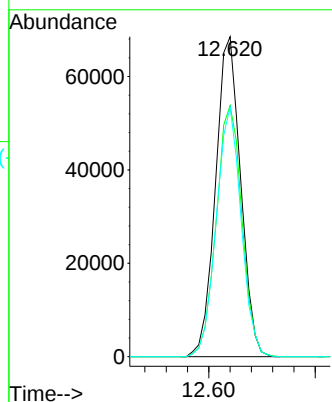
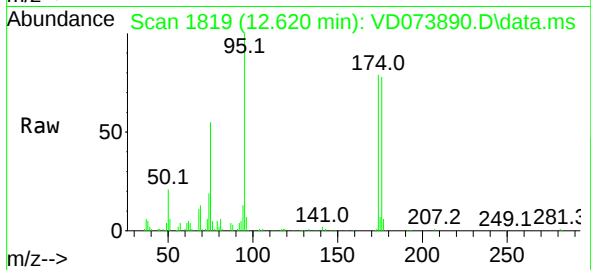




#62  
4-Bromofluorobenzene  
Concen: 48.479 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD073890.D  
Acq: 21 Jul 2022 11:55

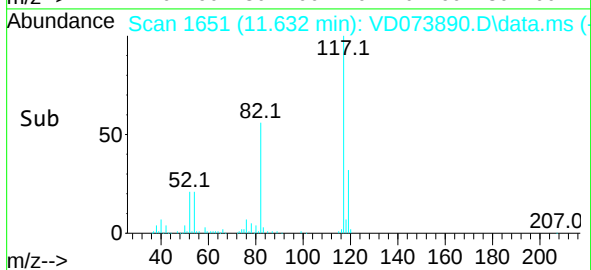
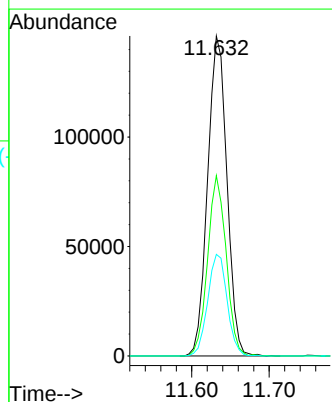
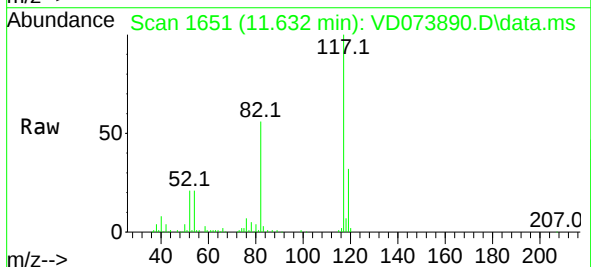
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0721SBL01

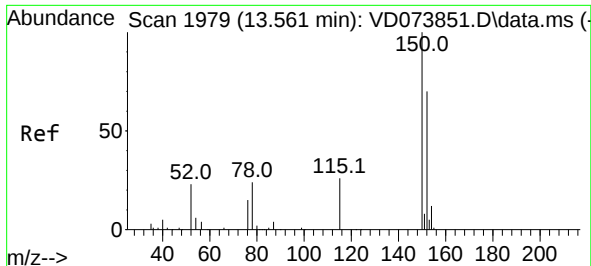
Tgt Ion: 95 Resp: 111673  
Ion Ratio Lower Upper  
95 100  
174 80.5 0.0 152.8  
176 77.4 0.0 145.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.632 min Scan# 1651  
Delta R.T. -0.000 min  
Lab File: VD073890.D  
Acq: 21 Jul 2022 11:55

Tgt Ion: 117 Resp: 253214  
Ion Ratio Lower Upper  
117 100  
82 56.3 45.3 67.9  
119 31.8 26.6 40.0

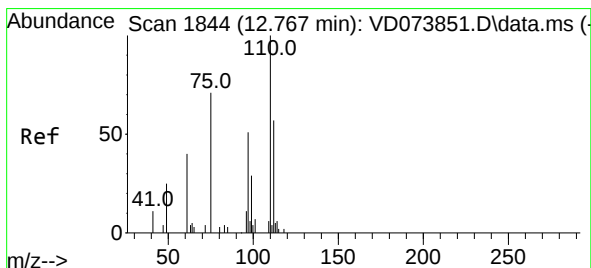
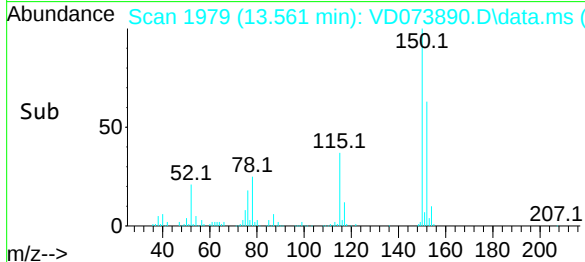
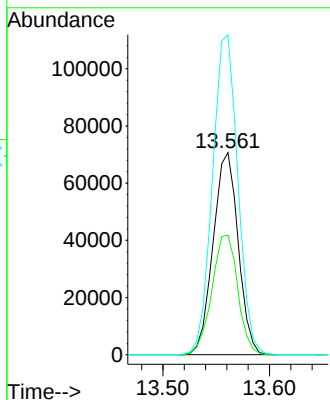
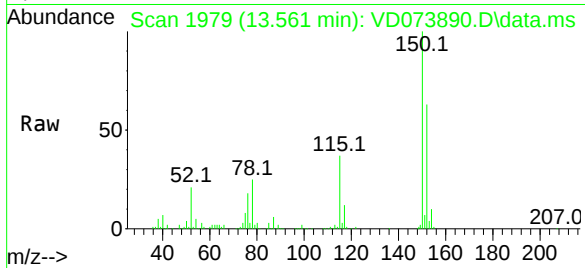




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.561 min Scan# 1819  
 Delta R.T. -0.000 min  
 Lab File: VD073890.D  
 Acq: 21 Jul 2022 11:55

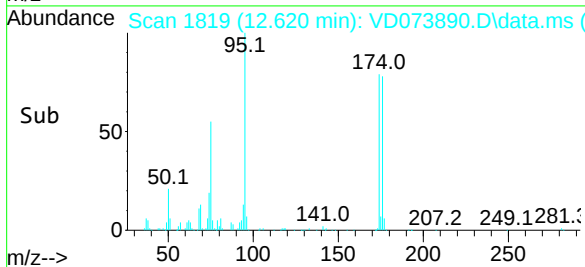
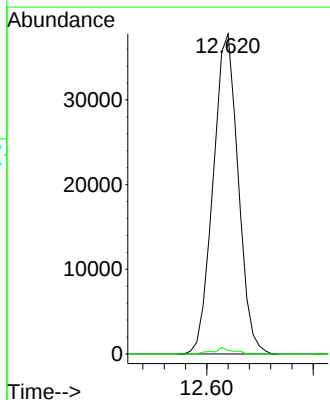
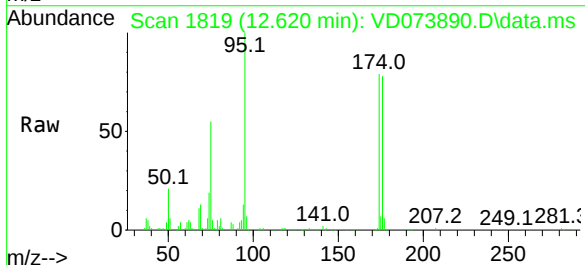
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0721SBL01

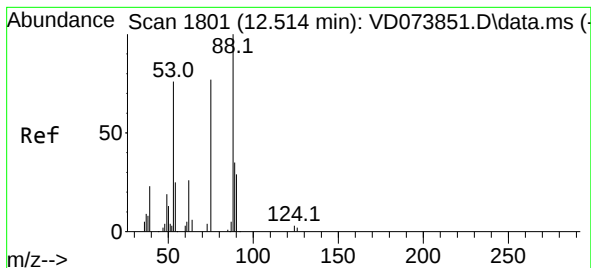
Tgt Ion:152 Resp: 115277  
 Ion Ratio Lower Upper  
 152 100  
 115 61.0 31.3 93.8  
 150 160.4 0.0 348.6



#76  
 1,2,3-Trichloropropane  
 Concen: 49.781 ug/l  
 RT: 12.620 min Scan# 1819  
 Delta R.T. -0.147 min  
 Lab File: VD073890.D  
 Acq: 21 Jul 2022 11:55

Tgt Ion: 75 Resp: 61573  
 Ion Ratio Lower Upper  
 75 100  
 77 1.5 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 134.331 ug/l  
 RT: 12.620 min Scan# 11  
 Delta R.T. 0.106 min  
 Lab File: VD073890.D  
 Acq: 21 Jul 2022 11:55

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0721SBL01

Tgt Ion: 75 Resp: 61573  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 86.5 129.7#  
 89 0.0 33.9 50.9#

