

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053122\  
 Data File : VD073435.D  
 Acq On : 31 May 2022 20:12  
 Operator : VA/SY  
 Sample : N3109-05  
 Misc : 5.24G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Jun 01 01:39:49 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

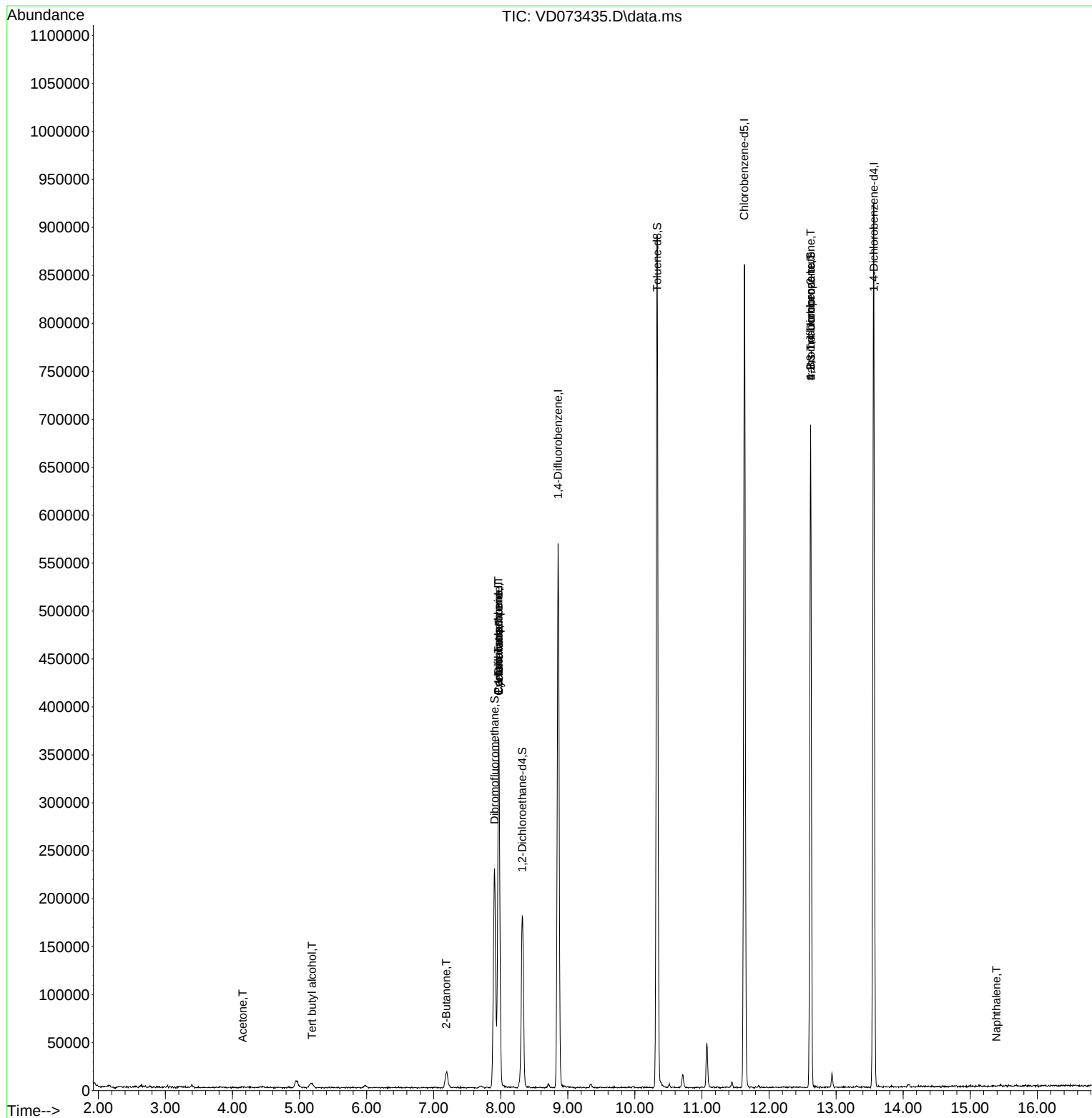
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.967  | 168   | 263807   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.856  | 114   | 480246   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.632 | 117   | 518686   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561 | 152   | 244532   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.320  | 65    | 147292   | 50.521    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 101.040% |          |
| 35) Dibromofluoromethane      | 7.909  | 113   | 164628   | 51.950    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 103.900% |          |
| 50) Toluene-d8                | 10.332 | 98    | 596403   | 51.055    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 102.100% |          |
| 62) 4-Bromofluorobenzene      | 12.620 | 95    | 226861   | 55.338    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 110.680% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 5) Bromomethane               | 2.774  | 94    | 615      | Below Cal | #          | 57       |
| 11) Tert butyl alcohol        | 5.185  | 59    | 4399     | 9.725     | ug/l #     | 74       |
| 16) Acetone                   | 4.150  | 43    | 765      | 1.515     | ug/l #     | 74       |
| 20) Methylene Chloride        | 4.950  | 84    | 3410     | Below Cal | #          | 83       |
| 25) 2-Butanone                | 7.185  | 43    | 1014     | 1.372     | ug/l #     | 52       |
| 31) Cyclohexane               | 7.973  | 56    | 6353     | 1.247     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.967  | 75    | 21564    | 4.524     | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 7.967  | 117   | 28352    | 5.868     | ug/l #     | 19       |
| 76) 1,2,3-Trichloropropane    | 12.620 | 75    | 111856   | 46.621    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.620 | 75    | 111856   | 111.922   | ug/l #     | 7        |
| 95) Naphthalene               | 15.390 | 128   | 169      | 3.561     | ug/l #     | 70       |
| -----                         |        |       |          |           |            |          |

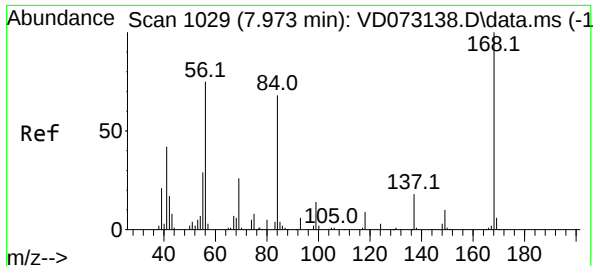
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053122\  
Data File : VD073435.D  
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Operator : VA/SY  
Sample : N3109-05  
Misc : 5.24G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

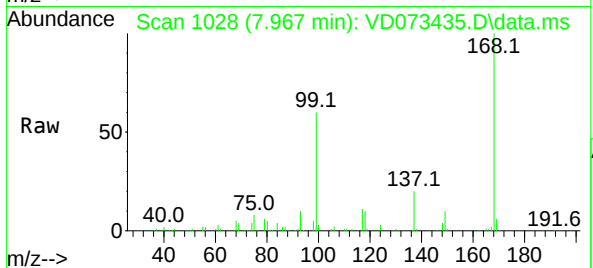
Quant Time: Jun 01 01:39:49 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
Quant Title : SW846 8260  
QLast Update : Thu May 19 15:13:42 2022  
Response via : Initial Calibration



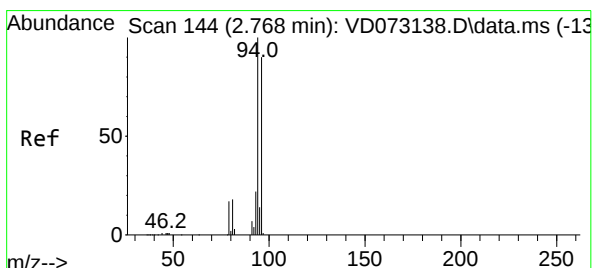
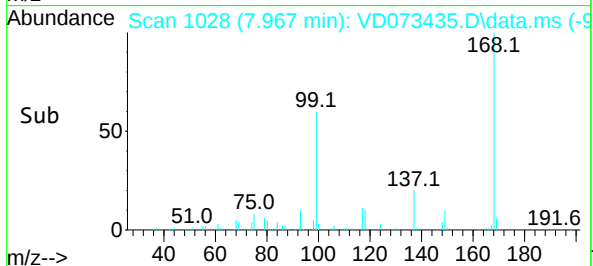
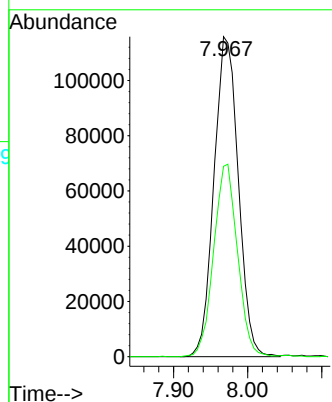


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.967 min Scan# 1028  
Delta R.T. -0.006 min  
Lab File: VD073435.D  
Acq: 31 May 2022 20:12

Instrument :  
MSVOA\_D  
ClientSampleId :

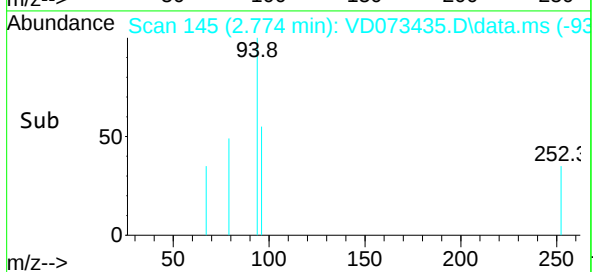
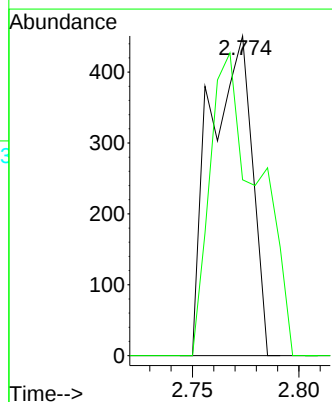
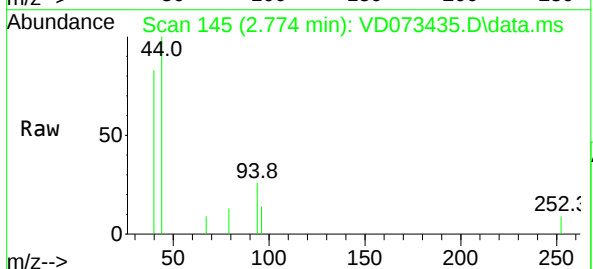


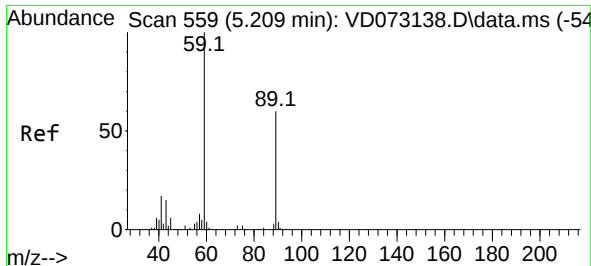
Tgt Ion:168 Resp: 263807  
Ion Ratio Lower Upper  
168 100  
99 59.5 49.8 74.6



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.774 min Scan# 145  
Delta R.T. 0.006 min  
Lab File: VD073435.D  
Acq: 31 May 2022 20:12

Tgt Ion: 94 Resp: 615  
Ion Ratio Lower Upper  
94 100  
96 55.0 77.6 116.4#





#11

Tert butyl alcohol

Concen: 9.725 ug/l

RT: 5.185 min Scan# 51

Delta R.T. -0.024 min

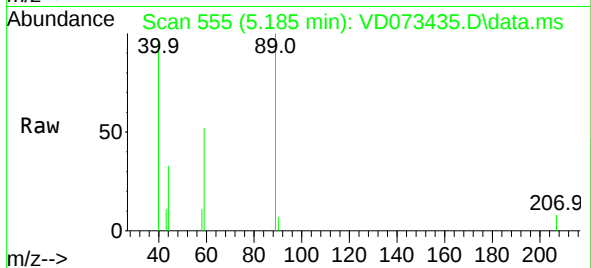
Lab File: VD073435.D

Acq: 31 May 2022 20:12

Instrument :

MSVOA\_D

ClientSampleId :

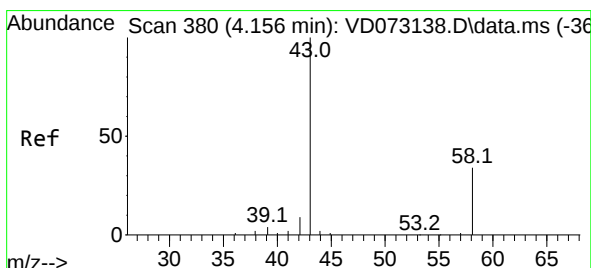
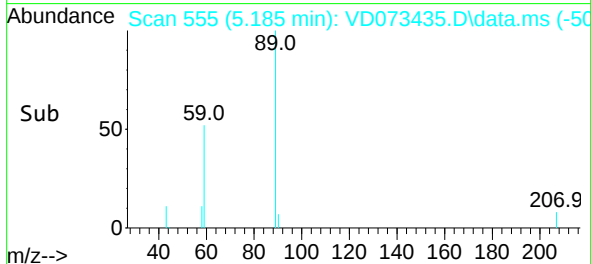
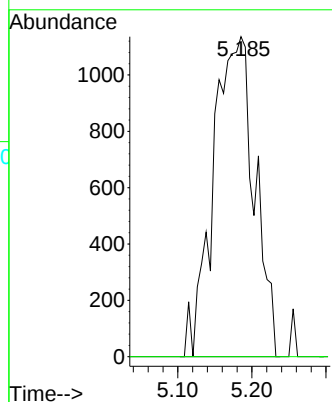


Tgt Ion: 59 Resp: 4399

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 1.515 ug/l

RT: 4.150 min Scan# 379

Delta R.T. -0.006 min

Lab File: VD073435.D

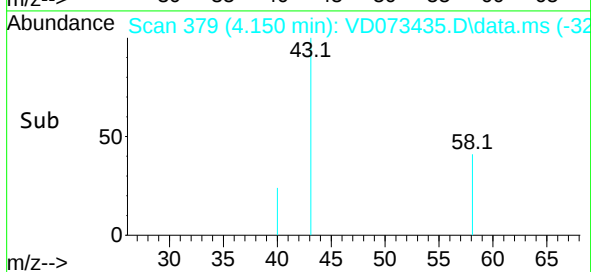
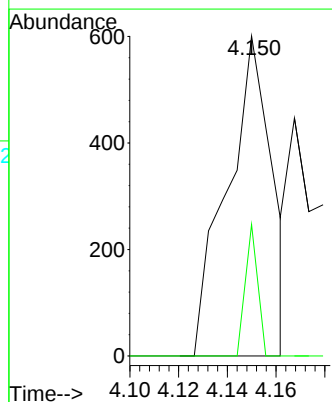
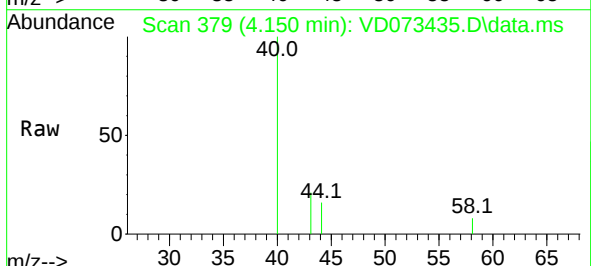
Acq: 31 May 2022 20:12

Tgt Ion: 43 Resp: 765

Ion Ratio Lower Upper

43 100

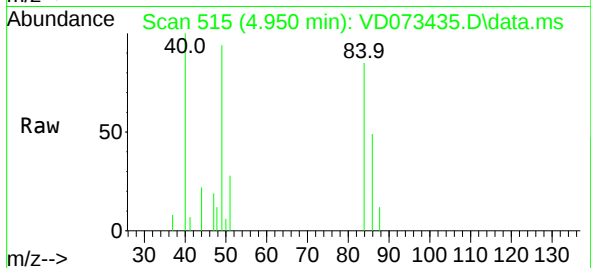
58 41.1 22.1 33.1#



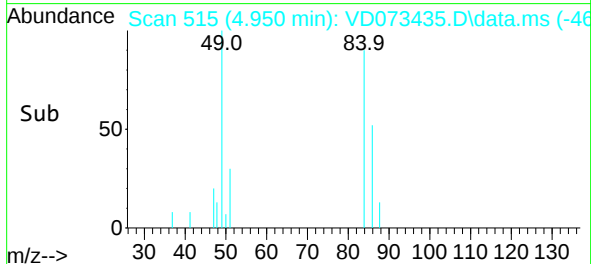
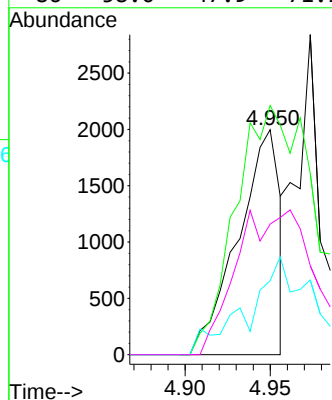


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.950 min Scan# 517  
Delta R.T. -0.012 min  
Lab File: VD073435.D  
Acq: 31 May 2022 20:12

Instrument :  
MSVOA\_D  
ClientSampleId :

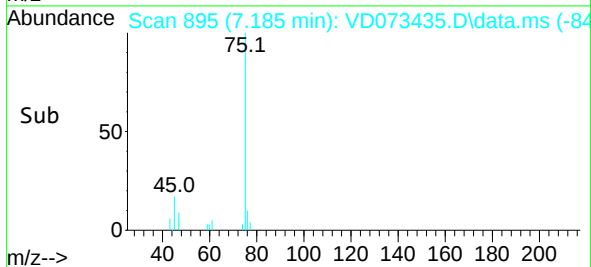
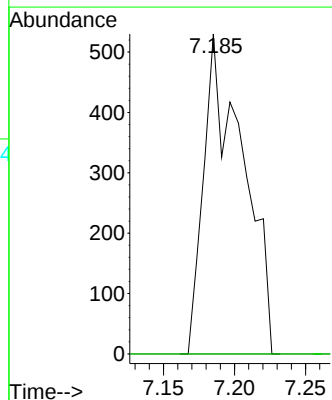
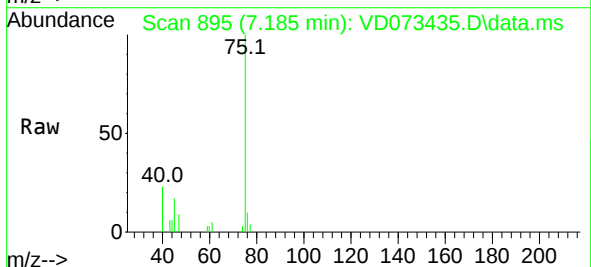


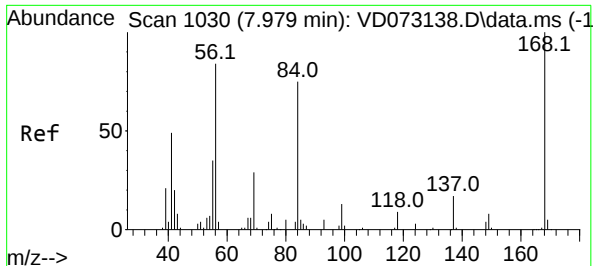
Tgt Ion: 84 Resp: 3410  
Ion Ratio Lower Upper  
84 100  
49 110.7 112.8 169.2#  
51 32.9 32.6 48.8  
86 58.0 47.9 71.9



#25  
2-Butanone  
Concen: 1.372 ug/l  
RT: 7.185 min Scan# 895  
Delta R.T. -0.023 min  
Lab File: VD073435.D  
Acq: 31 May 2022 20:12

Tgt Ion: 43 Resp: 1014  
Ion Ratio Lower Upper  
43 100  
72 0.0 18.6 27.8#





#31

Cyclohexane

Concen: 1.247 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

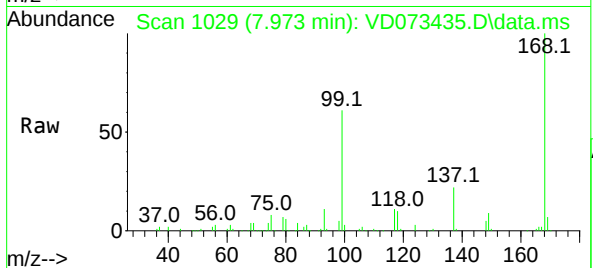
Lab File: VD073435.D

Acq: 31 May 2022 20:12

Instrument :

MSVOA\_D

ClientSampleId :



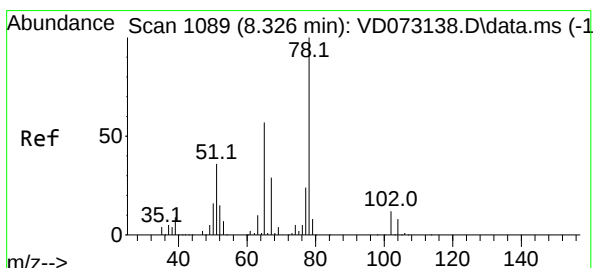
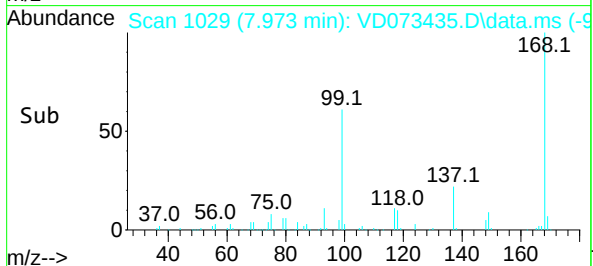
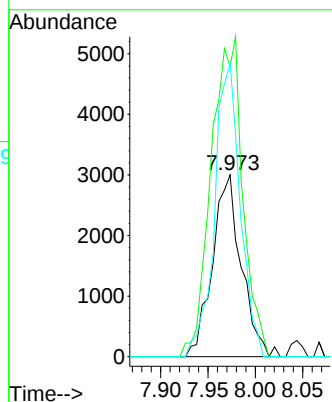
Tgt Ion: 56 Resp: 6353

Ion Ratio Lower Upper

56 100

69 159.5 25.4 38.2#

84 161.4 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 50.521 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD073435.D

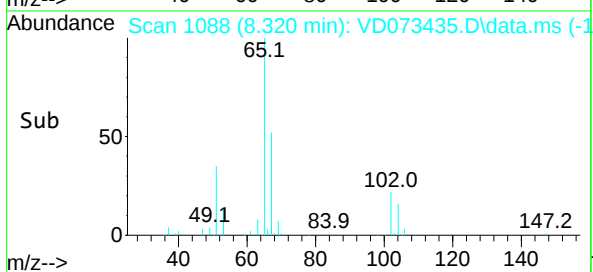
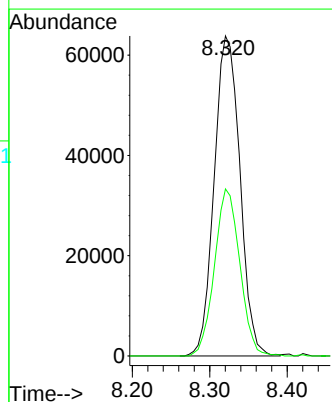
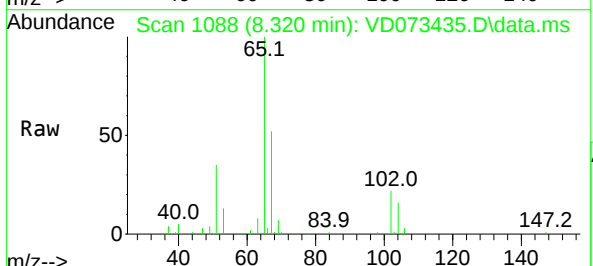
Acq: 31 May 2022 20:12

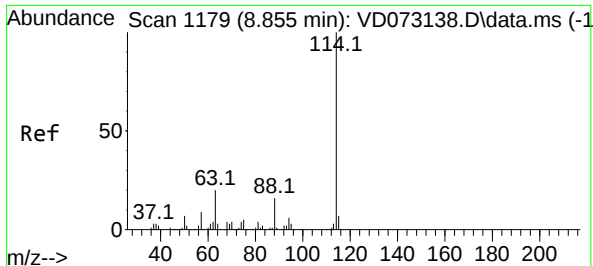
Tgt Ion: 65 Resp: 147292

Ion Ratio Lower Upper

65 100

67 51.4 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073435.D

Acq: 31 May 2022 20:12

Instrument :

MSVOA\_D

ClientSampleId :

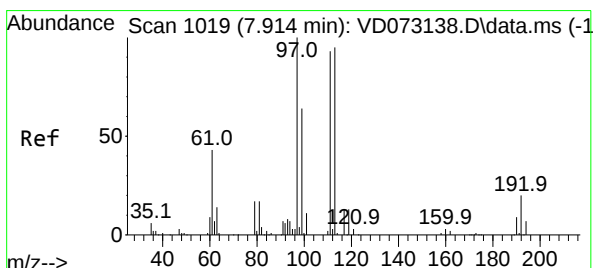
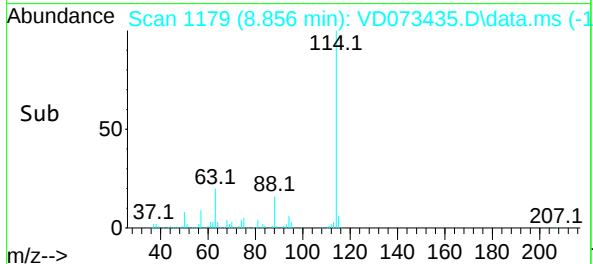
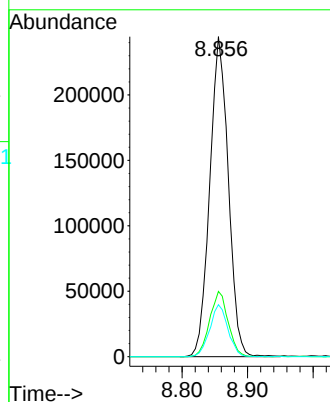
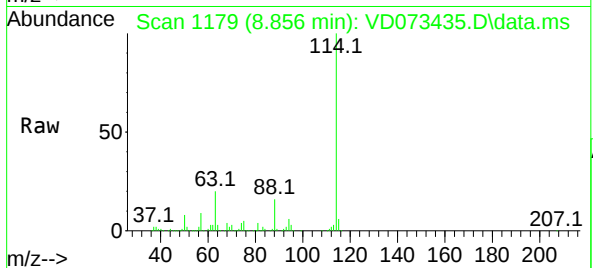
Tgt Ion:114 Resp: 480246

Ion Ratio Lower Upper

114 100

63 20.4 0.0 46.6

88 16.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 51.950 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073435.D

Acq: 31 May 2022 20:12

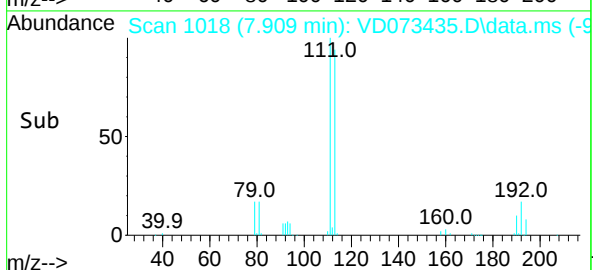
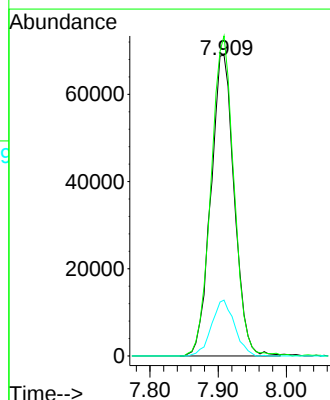
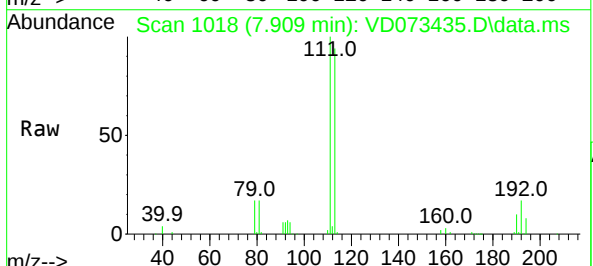
Tgt Ion:113 Resp: 164628

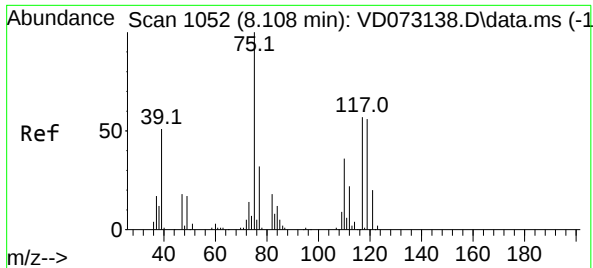
Ion Ratio Lower Upper

113 100

111 104.4 83.8 125.6

192 18.2 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.524 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

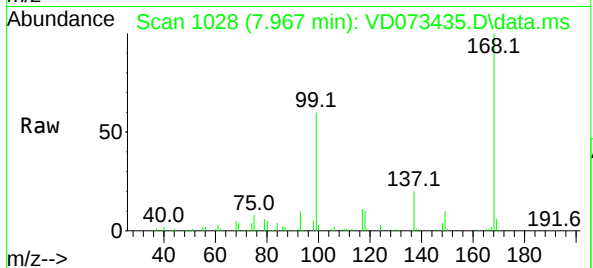
Lab File: VD073435.D

Acq: 31 May 2022 20:12

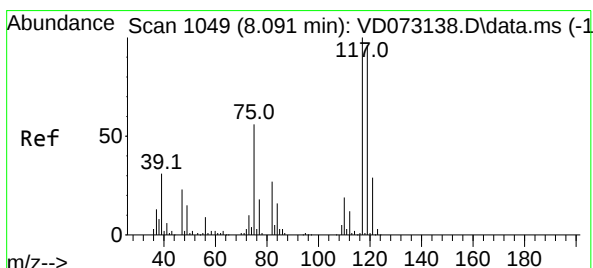
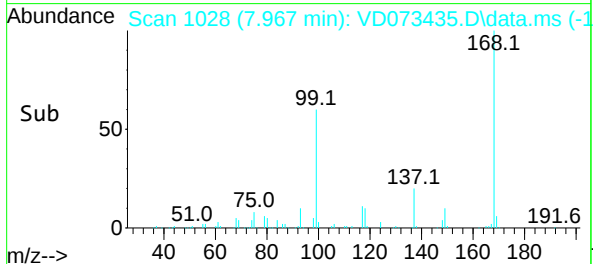
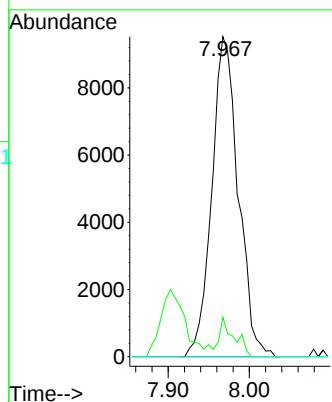
Instrument :

MSVOA\_D

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 21564 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 6.8   | 16.4  | 49.1# |
| 77       | 0.0   | 24.2  | 36.2# |



#38

Carbon Tetrachloride

Concen: 5.868 ug/l

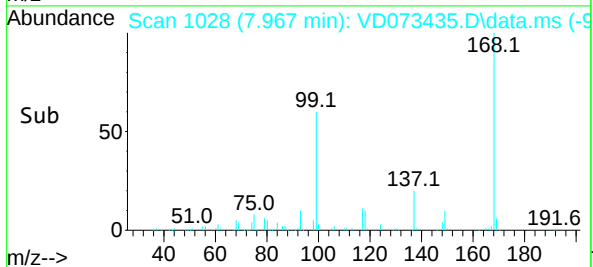
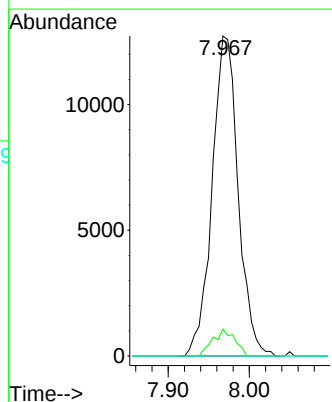
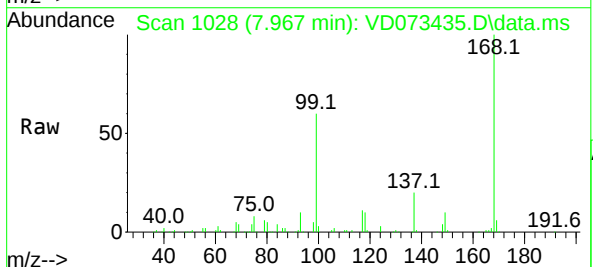
RT: 7.967 min Scan# 1028

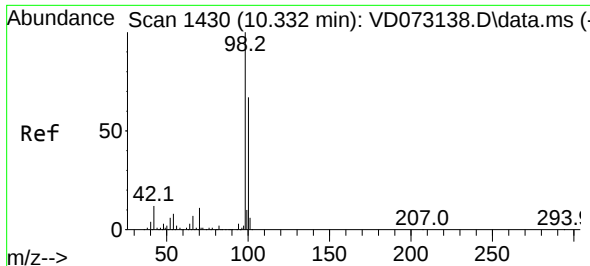
Delta R.T. -0.124 min

Lab File: VD073435.D

Acq: 31 May 2022 20:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 28352  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 8.4   | 75.8  | 113.6# |
| 121      | 0.0   | 24.5  | 36.7#  |

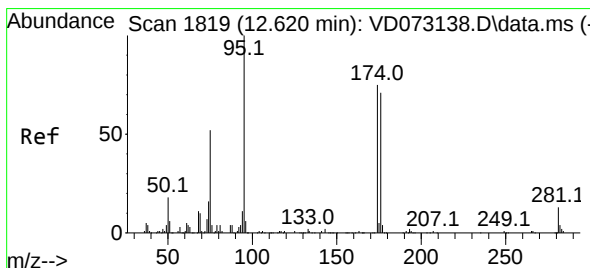
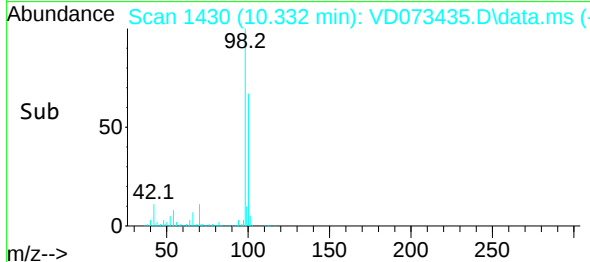
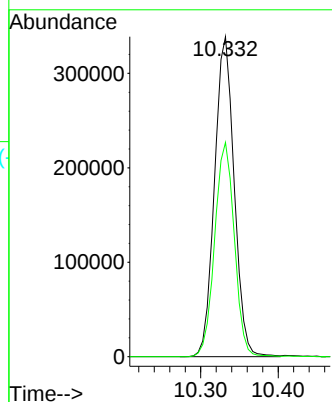
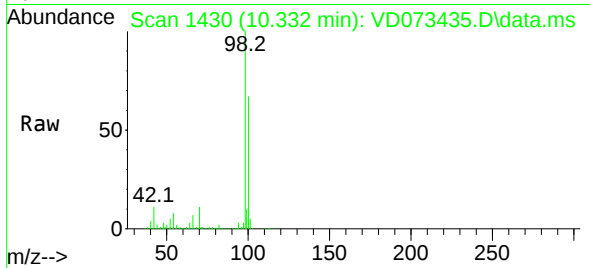




#50  
Toluene-d8  
Concen: 51.055 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073435.D  
Acq: 31 May 2022 20:12

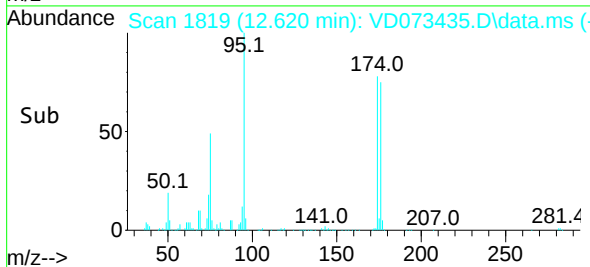
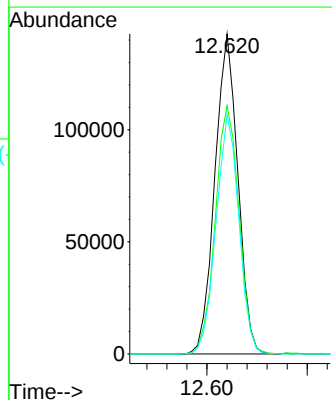
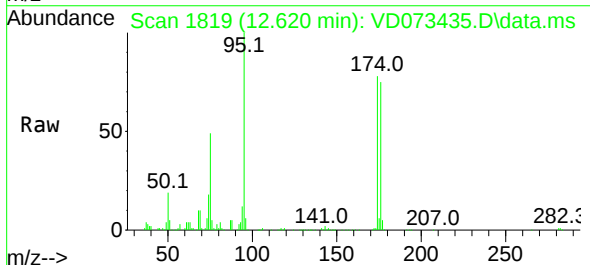
Instrument :  
MSVOA\_D  
ClientSampleId :

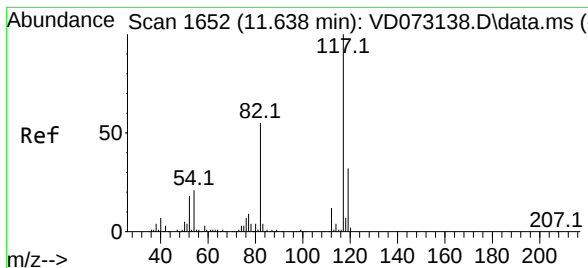
Tgt Ion: 98 Resp: 596403  
Ion Ratio Lower Upper  
98 100  
100 66.9 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 55.338 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VD073435.D  
Acq: 31 May 2022 20:12

Tgt Ion: 95 Resp: 226861  
Ion Ratio Lower Upper  
95 100  
174 80.2 0.0 152.8  
176 74.3 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.632 min Scan# 11

Delta R.T. -0.006 min

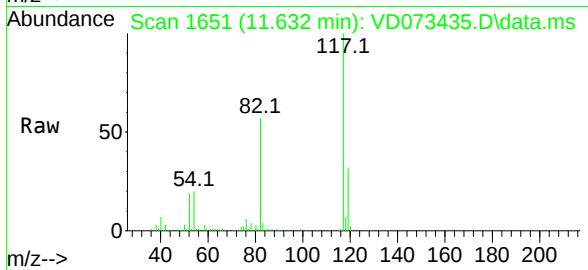
Lab File: VD073435.D

Acq: 31 May 2022 20:12

Instrument :

MSVOA\_D

ClientSampleId :



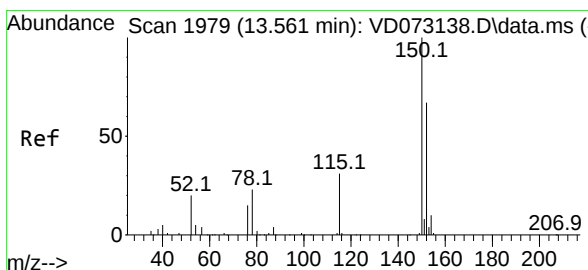
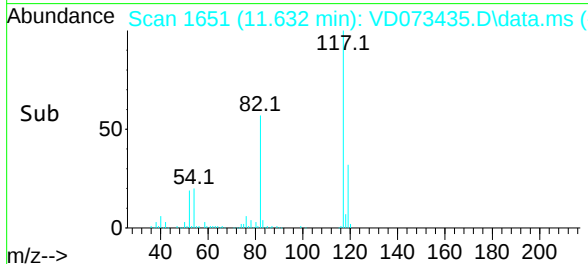
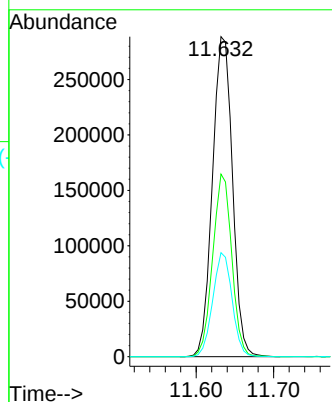
Tgt Ion:117 Resp: 518686

Ion Ratio Lower Upper

117 100

82 57.1 45.3 67.9

119 32.5 26.6 40.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VD073435.D

Acq: 31 May 2022 20:12

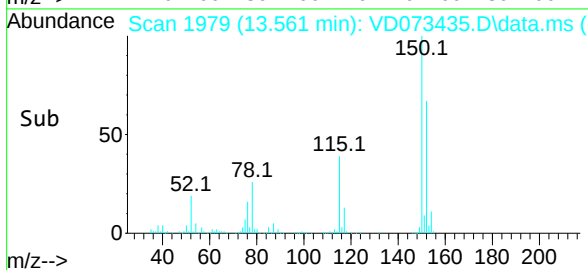
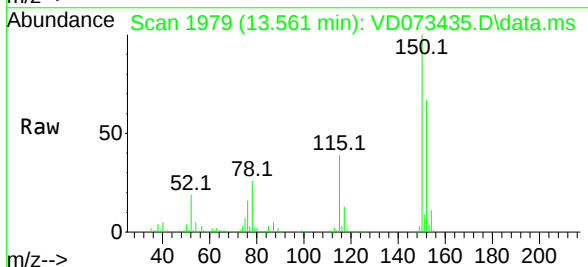
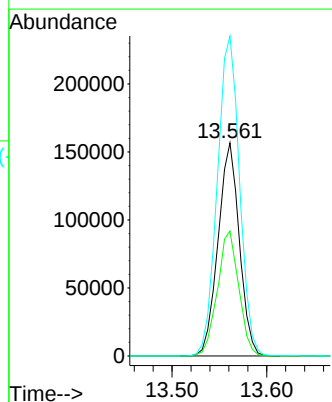
Tgt Ion:152 Resp: 244532

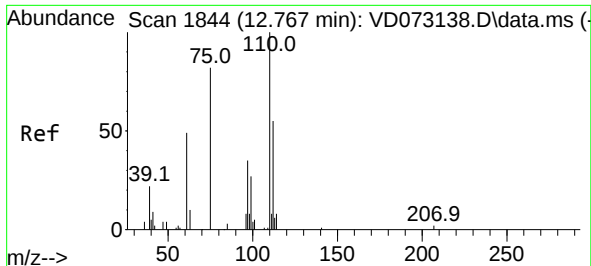
Ion Ratio Lower Upper

152 100

115 58.9 31.3 93.8

150 156.7 0.0 348.6

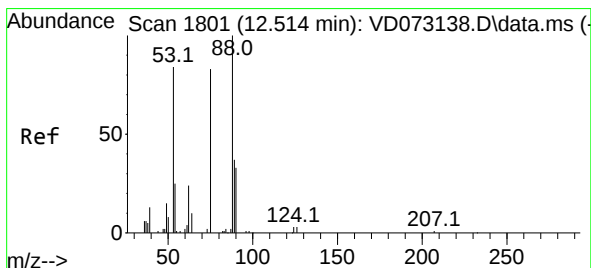
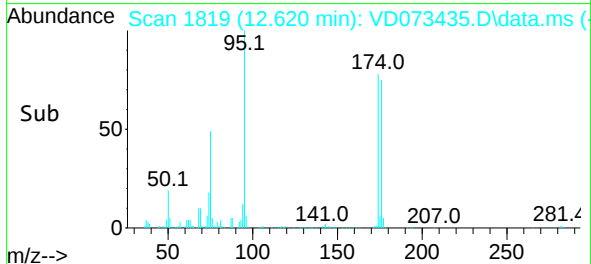
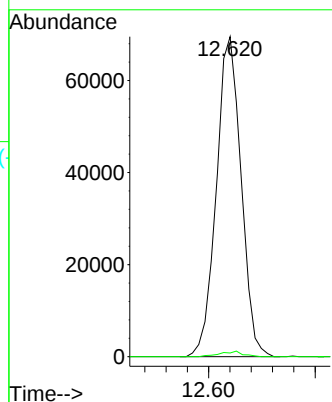
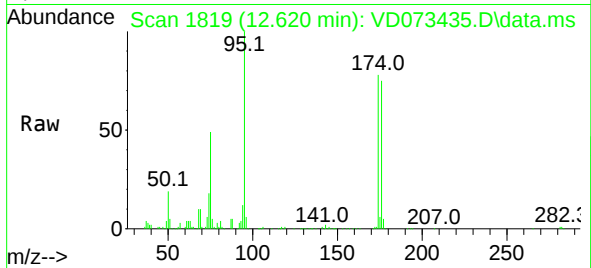




#76  
1,2,3-Trichloropropane  
Concen: 46.621 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.147 min  
Lab File: VD073435.D  
Acq: 31 May 2022 20:12

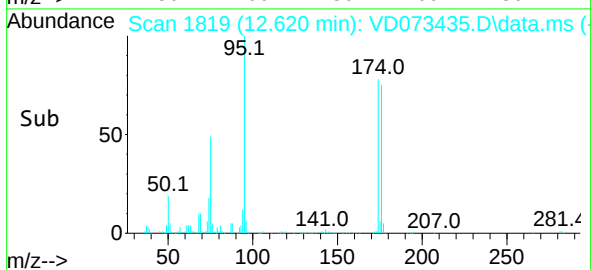
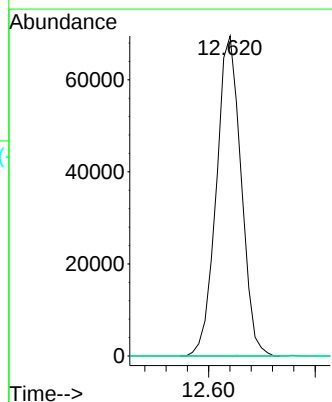
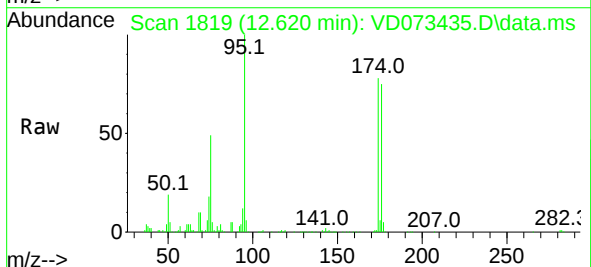
Instrument :  
MSVOA\_D  
ClientSampleId :

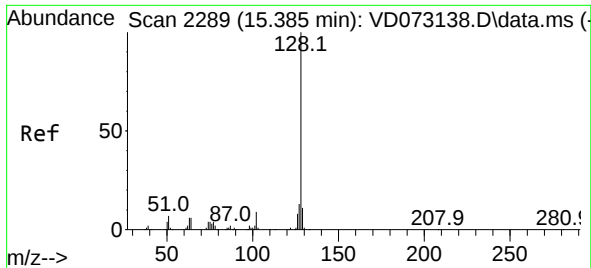
Tgt Ion: 75 Resp: 111856  
Ion Ratio Lower Upper  
75 100  
77 1.6 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 111.922 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.106 min  
Lab File: VD073435.D  
Acq: 31 May 2022 20:12

Tgt Ion: 75 Resp: 111856  
Ion Ratio Lower Upper  
75 100  
53 0.1 86.5 129.7#  
89 0.0 33.9 50.9#





#95

Naphthalene

Concen: 3.561 ug/l

RT: 15.390 min Scan# 21

Delta R.T. 0.005 min

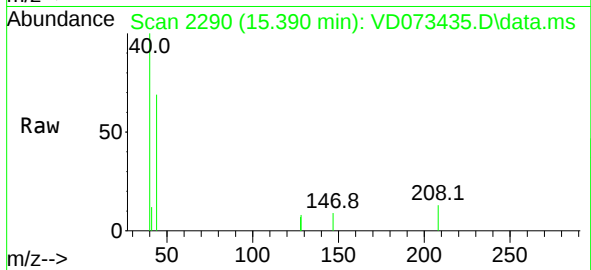
Lab File: VD073435.D

Acq: 31 May 2022 20:12

Instrument :

MSVOA\_D

ClientSampleId :



Tgt Ion:128 Resp: 169

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.4 12.6#

