

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052022\  
 Data File : VD073189.D  
 Acq On : 20 May 2022 17:57  
 Operator : VA/SY  
 Sample : VD0520SBL01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0520SBL01

Quant Time: May 21 00:15:24 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

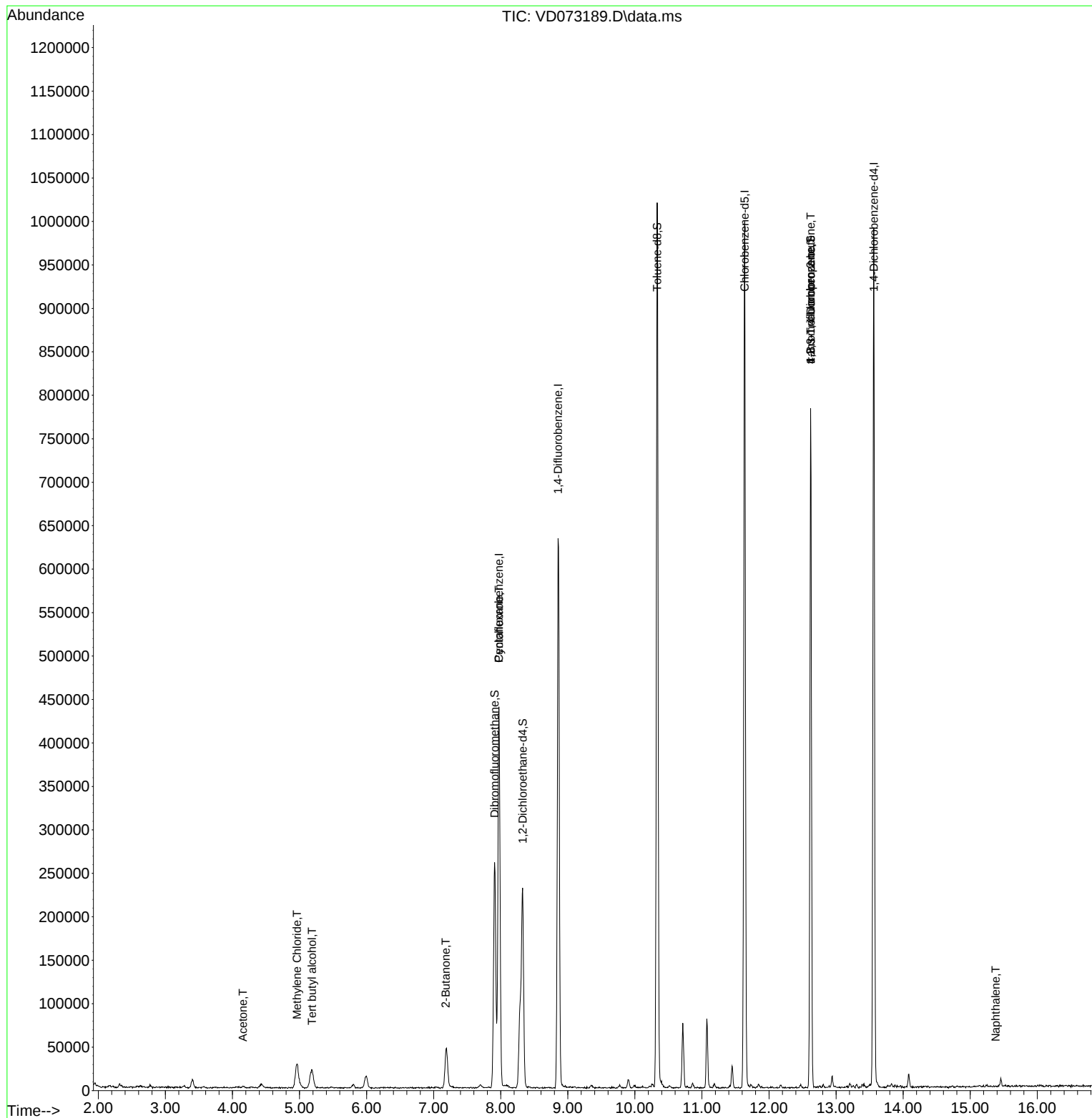
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.973  | 168   | 307480   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.856  | 114   | 549163   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.638 | 117   | 573171   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561 | 152   | 253818   | 50.000    | ug/l       | 0.00     |
|                               |        |       |          |           |            |          |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.326  | 65    | 172387   | 50.731    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 101.460% |          |
| 35) Dibromofluoromethane      | 7.909  | 113   | 185883   | 51.296    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 102.600% |          |
| 50) Toluene-d8                | 10.332 | 98    | 680458   | 50.940    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 101.880% |          |
| 62) 4-Bromofluorobenzene      | 12.620 | 95    | 244349   | 52.124    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 104.240% |          |
|                               |        |       |          |           |            |          |
| Target Compounds              |        |       |          |           |            | Qvalue   |
| 5) Bromomethane               | 2.774  | 94    | 1222     | Below Cal | #          | 60       |
| 11) Tert butyl alcohol        | 5.185  | 59    | 19727    | 37.417    | ug/l #     | 75       |
| 16) Acetone                   | 4.156  | 43    | 1684     | 2.861     | ug/l       | 95       |
| 20) Methylene Chloride        | 4.962  | 84    | 21989    | 2.062     | ug/l #     | 84       |
| 25) 2-Butanone                | 7.179  | 43    | 1683     | 1.954     | ug/l #     | 81       |
| 31) Cyclohexane               | 7.973  | 56    | 8409     | 1.416     | ug/l #     | 4        |
| 76) 1,2,3-Trichloropropane    | 12.620 | 75    | 123766   | 49.697    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.620 | 75    | 123766   | 119.308   | ug/l #     | 7        |
| 95) Naphthalene               | 15.379 | 128   | 493      | 3.597     | ug/l #     | 86       |
| -----                         |        |       |          |           |            |          |

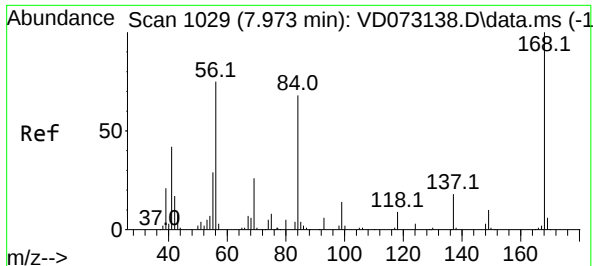
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052022\  
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Sample : VD0520SBL01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0520SBL01

Quant Time: May 21 00:15:24 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

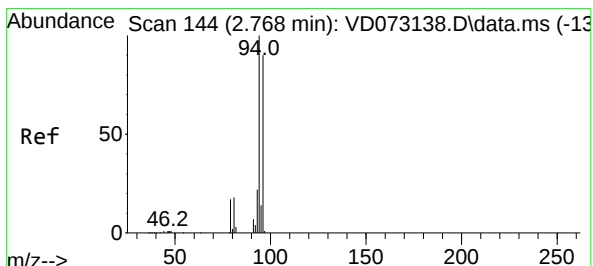
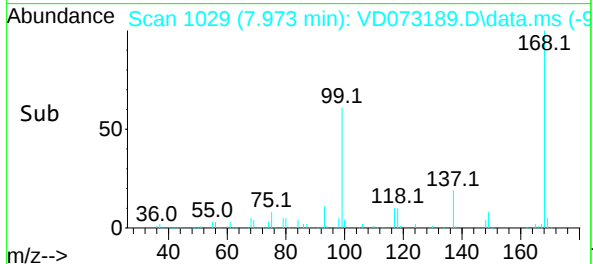
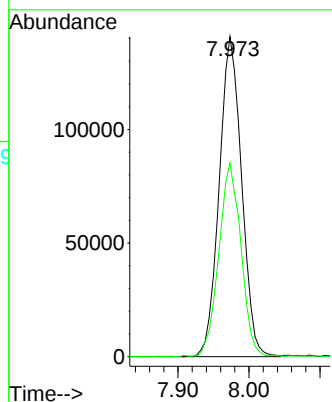
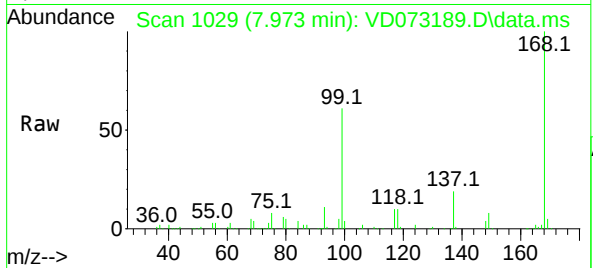




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD073189.D  
Acq: 20 May 2022 17:57

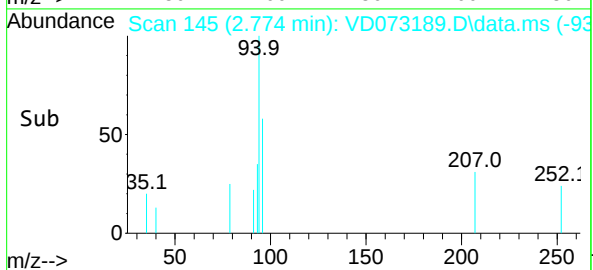
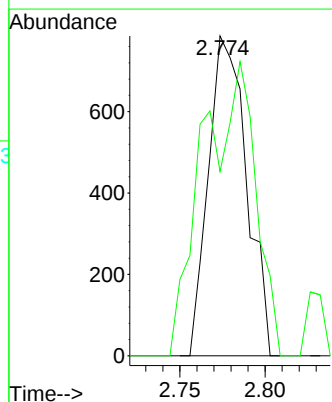
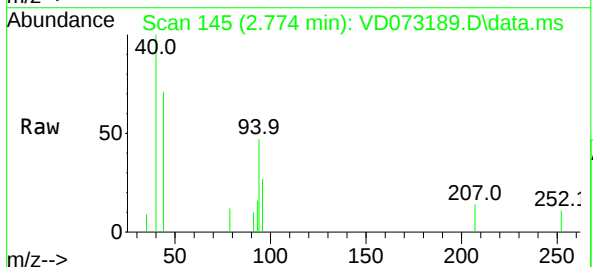
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0520SBL01

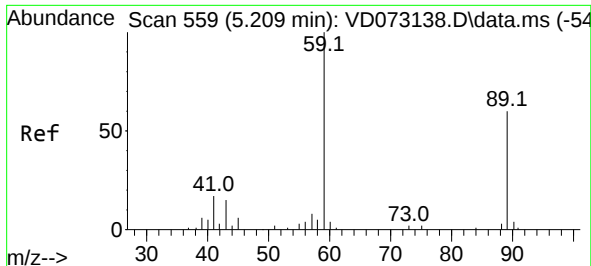
Tgt Ion:168 Resp: 307480  
Ion Ratio Lower Upper  
168 100  
99 60.6 49.8 74.6



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.774 min Scan# 145  
Delta R.T. 0.006 min  
Lab File: VD073189.D  
Acq: 20 May 2022 17:57

Tgt Ion: 94 Resp: 1222  
Ion Ratio Lower Upper  
94 100  
96 57.6 77.6 116.4#





#11

Tert butyl alcohol

Concen: 37.417 ug/l

RT: 5.185 min Scan# 51

Delta R.T. -0.024 min

Lab File: VD073189.D

Acq: 20 May 2022 17:57

Instrument :

MSVOA\_D

ClientSampleId :

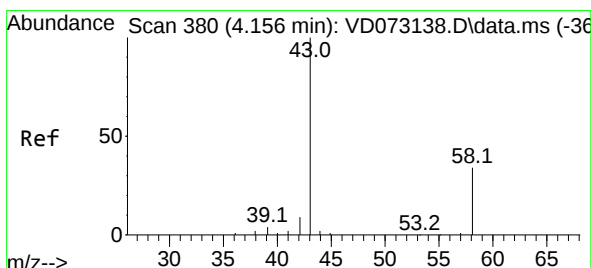
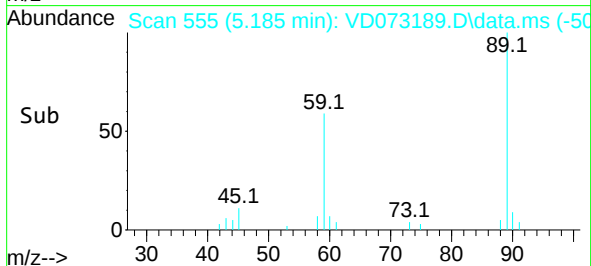
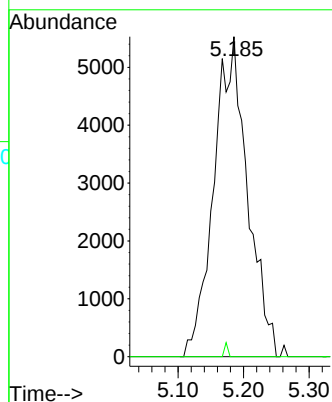
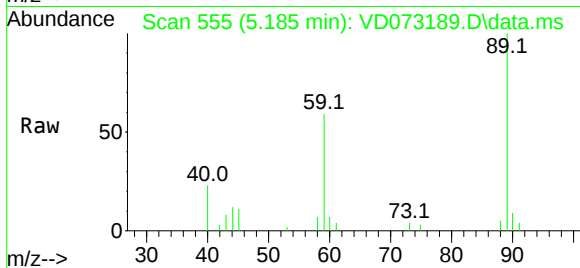
VD0520SBL01

Tgt Ion: 59 Resp: 19727

Ion Ratio Lower Upper

59 100

57 0.4 7.8 11.6#



#16

Acetone

Concen: 2.861 ug/l

RT: 4.156 min Scan# 380

Delta R.T. -0.000 min

Lab File: VD073189.D

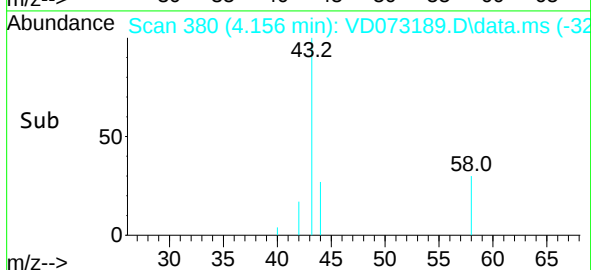
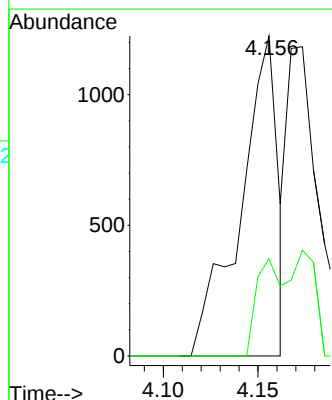
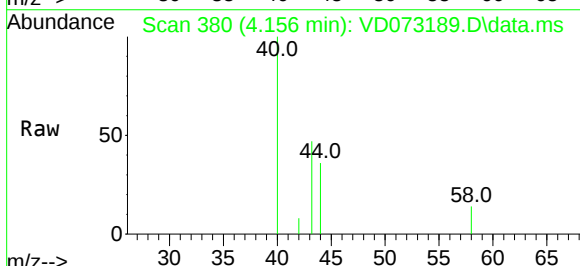
Acq: 20 May 2022 17:57

Tgt Ion: 43 Resp: 1684

Ion Ratio Lower Upper

43 100

58 30.3 22.1 33.1

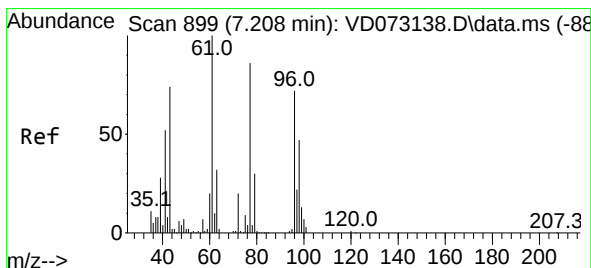
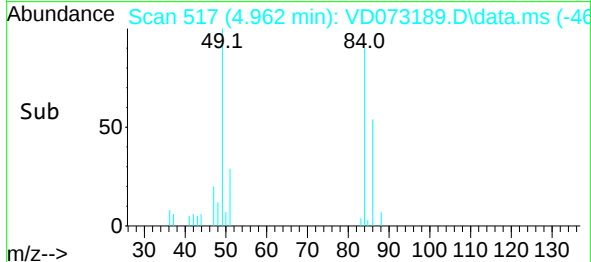
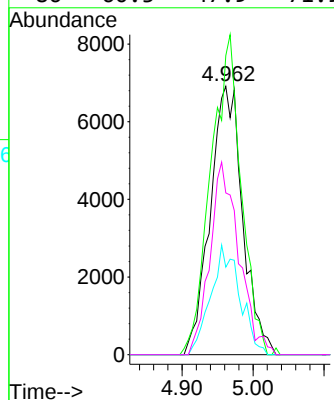
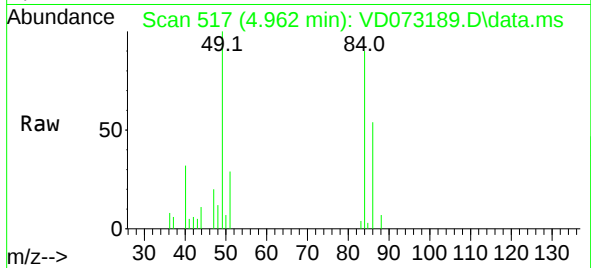




#20  
Methylene Chloride  
Concen: 2.062 ug/l  
RT: 4.962 min Scan# 517  
Delta R.T. -0.000 min  
Lab File: VD073189.D  
Acq: 20 May 2022 17:57

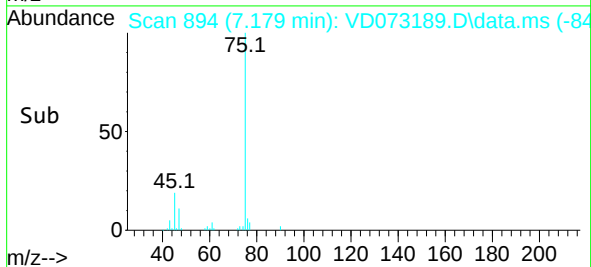
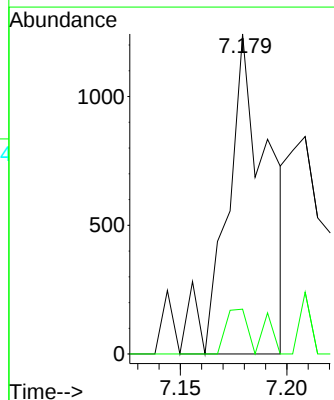
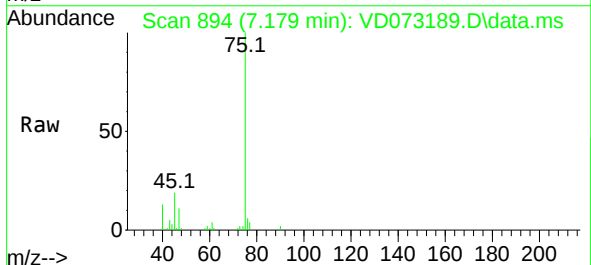
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0520SBL01

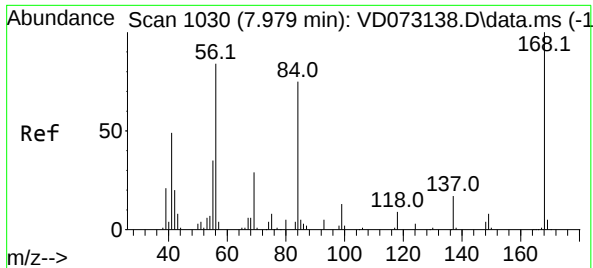
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 21989  |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 111.4 | 112.8 | 169.2# |
| 51       | 32.6  | 32.6  | 48.8   |
| 86       | 60.3  | 47.9  | 71.9   |



#25  
2-Butanone  
Concen: 1.954 ug/l  
RT: 7.179 min Scan# 894  
Delta R.T. -0.029 min  
Lab File: VD073189.D  
Acq: 20 May 2022 17:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 1683  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 14.0  | 18.6  | 27.8# |





#31

Cyclohexane

Concen: 1.416 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073189.D

Acq: 20 May 2022 17:57

Instrument :

MSVOA\_D

ClientSampleId :

VD0520SBL01

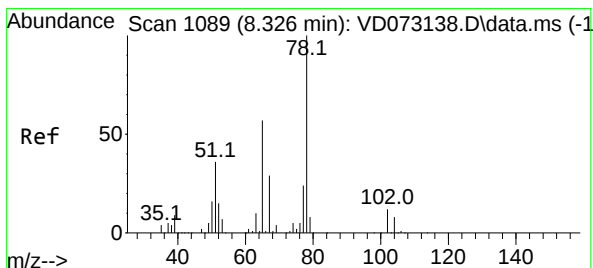
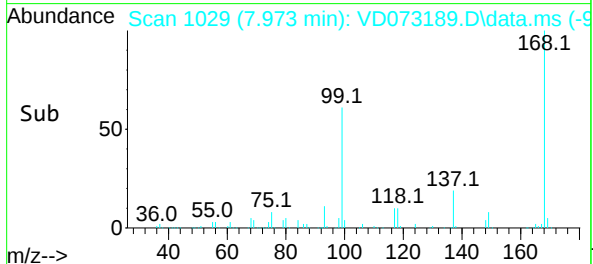
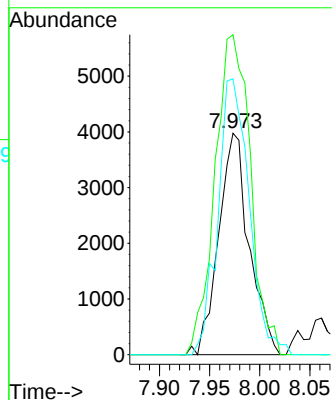
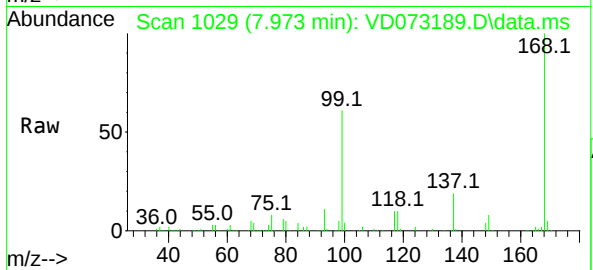
Tgt Ion: 56 Resp: 8409

Ion Ratio Lower Upper

56 100

69 144.5 25.4 38.2#

84 124.6 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 50.731 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073189.D

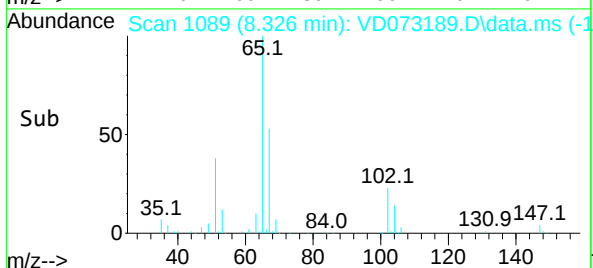
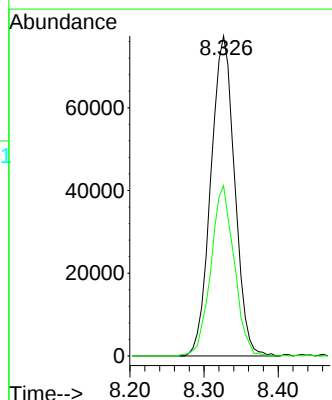
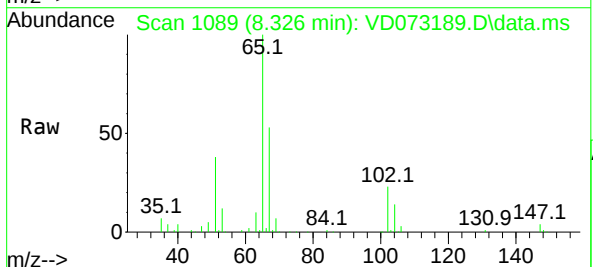
Acq: 20 May 2022 17:57

Tgt Ion: 65 Resp: 172387

Ion Ratio Lower Upper

65 100

67 52.0 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: VD073189.D

Acq: 20 May 2022 17:57

Instrument :

MSVOA\_D

ClientSampleId :

VD0520SBL01

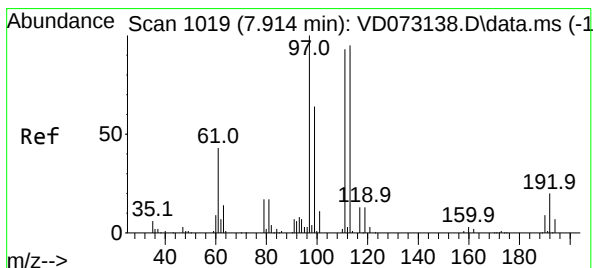
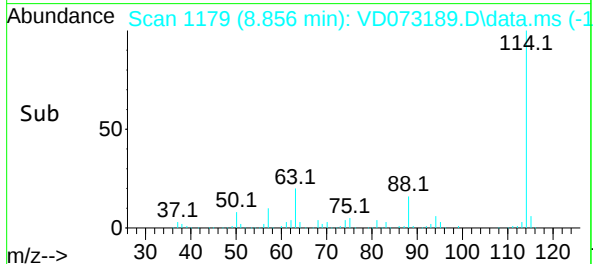
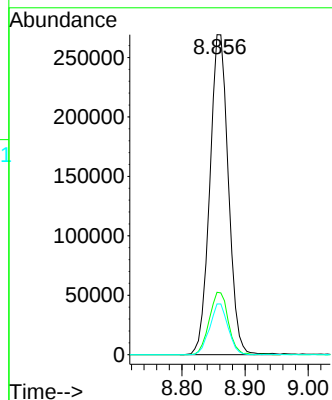
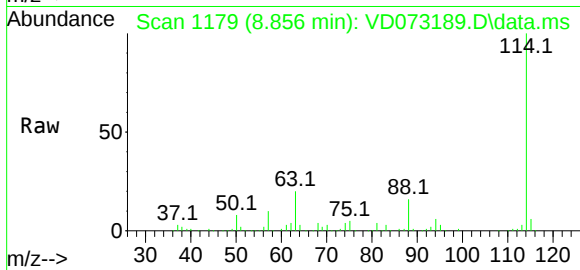
Tgt Ion:114 Resp: 549163

Ion Ratio Lower Upper

114 100

63 19.5 0.0 46.6

88 15.9 0.0 33.2



#35

Dibromofluoromethane

Concen: 51.296 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073189.D

Acq: 20 May 2022 17:57

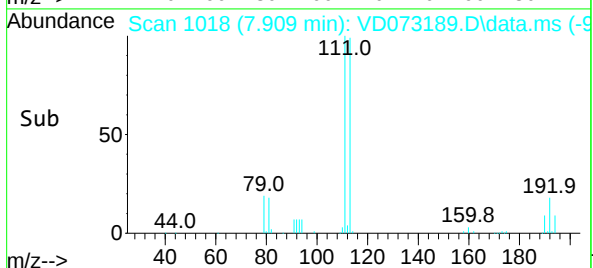
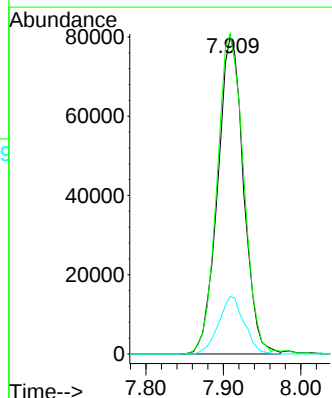
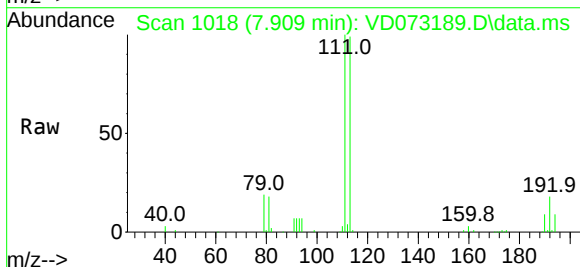
Tgt Ion:113 Resp: 185883

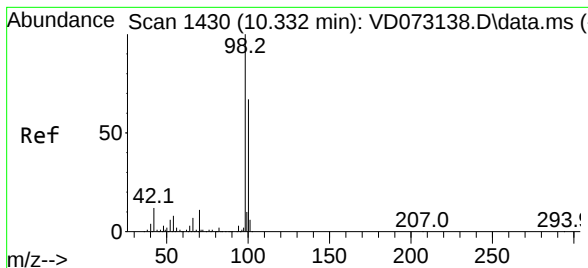
Ion Ratio Lower Upper

113 100

111 104.0 83.8 125.6

192 17.9 14.6 21.8

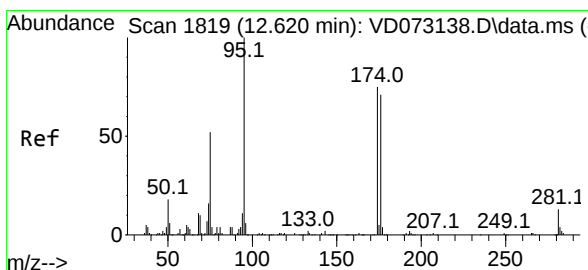
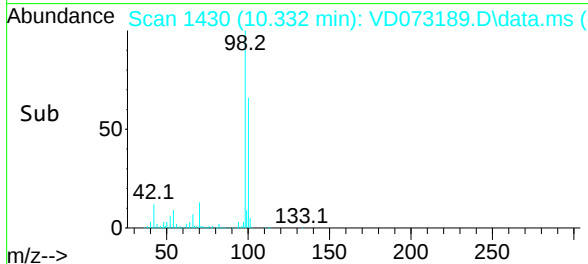
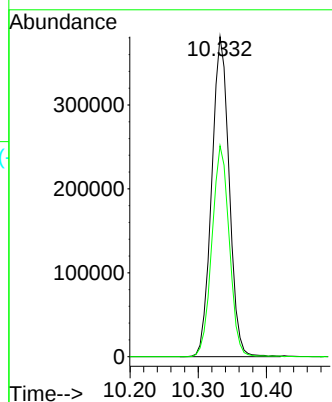
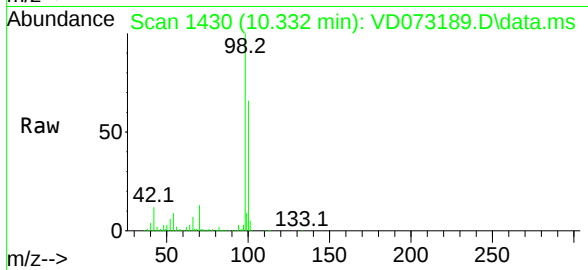




#50  
Toluene-d8  
Concen: 50.940 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073189.D  
Acq: 20 May 2022 17:57

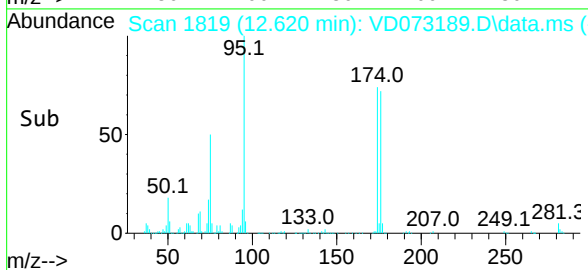
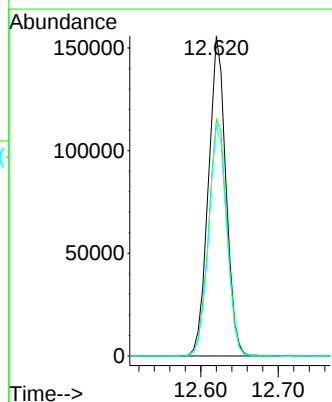
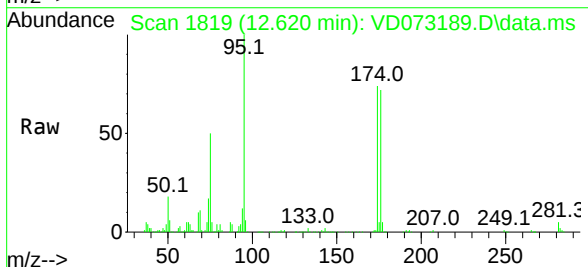
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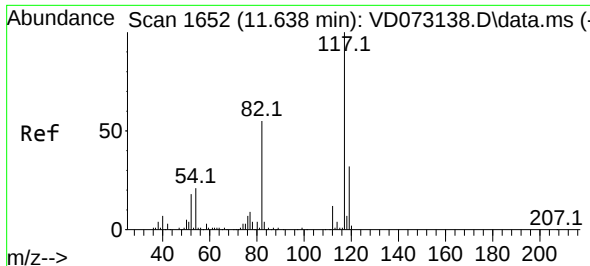
Tgt Ion: 98 Resp: 680458  
Ion Ratio Lower Upper  
98 100  
100 65.5 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 52.124 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VD073189.D  
Acq: 20 May 2022 17:57

Tgt Ion: 95 Resp: 244349  
Ion Ratio Lower Upper  
95 100  
174 77.6 0.0 152.8  
176 74.3 0.0 145.4

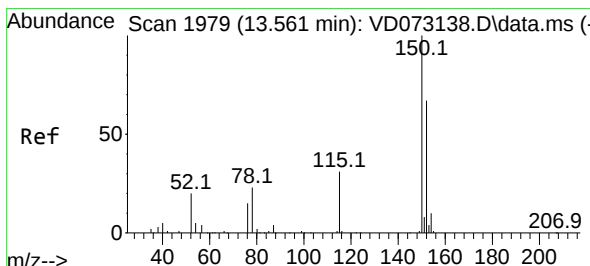
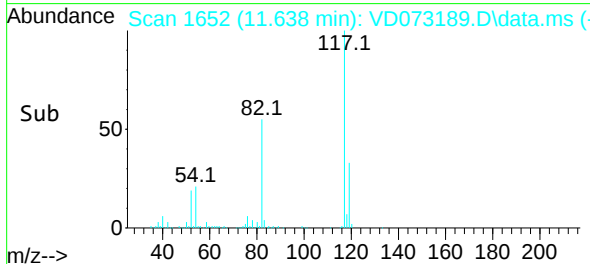
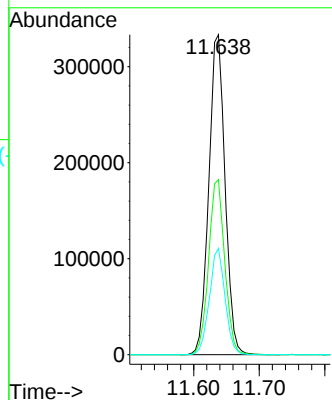
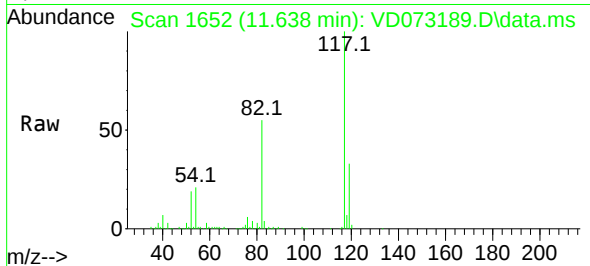




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD073189.D  
Acq: 20 May 2022 17:57

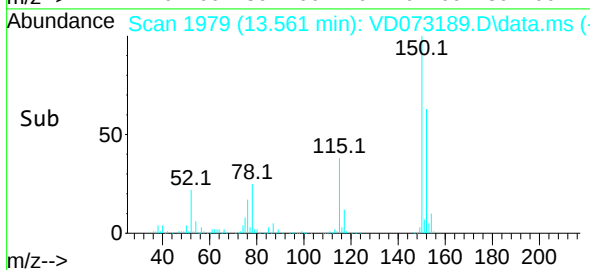
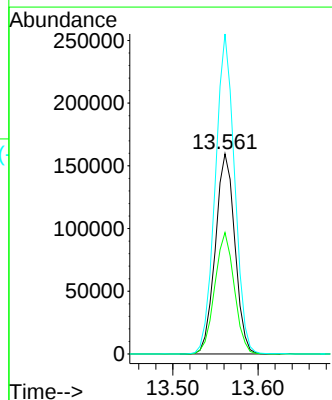
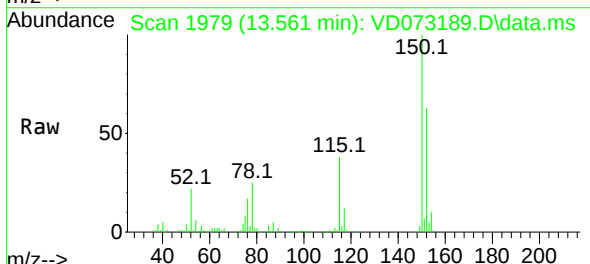
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0520SBL01

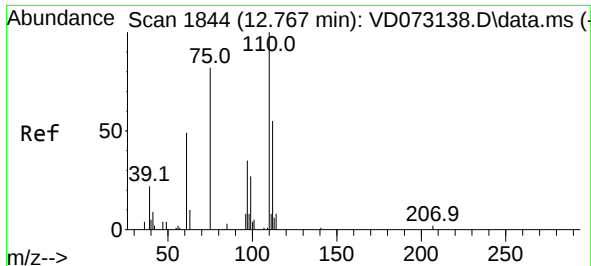
Tgt Ion:117 Resp: 573171  
Ion Ratio Lower Upper  
117 100  
82 54.7 45.3 67.9  
119 33.2 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. 0.000 min  
Lab File: VD073189.D  
Acq: 20 May 2022 17:57

Tgt Ion:152 Resp: 253818  
Ion Ratio Lower Upper  
152 100  
115 60.8 31.3 93.8  
150 158.6 0.0 348.6

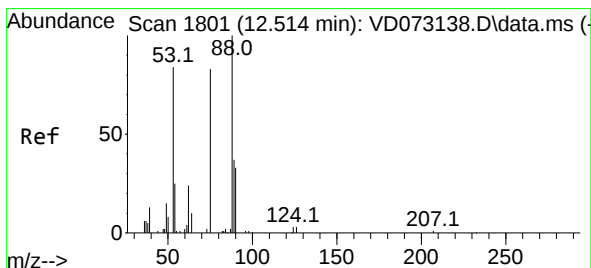
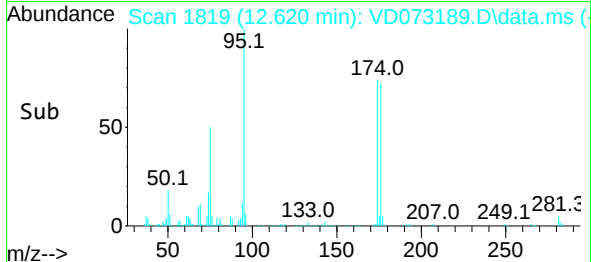
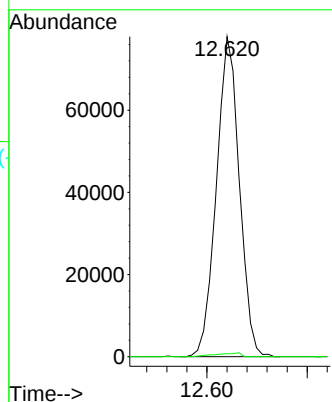
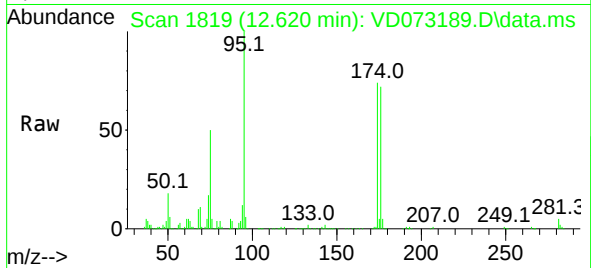




#76  
1,2,3-Trichloropropane  
Concen: 49.697 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.147 min  
Lab File: VD073189.D  
Acq: 20 May 2022 17:57

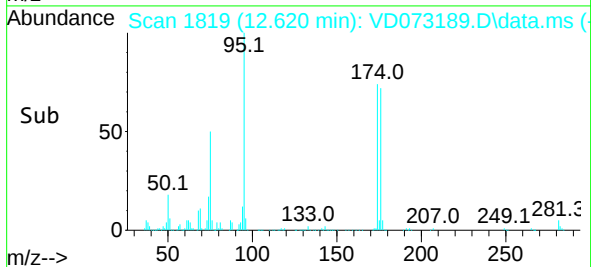
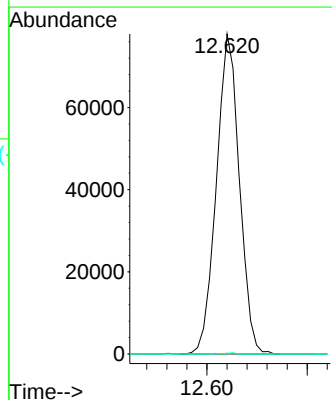
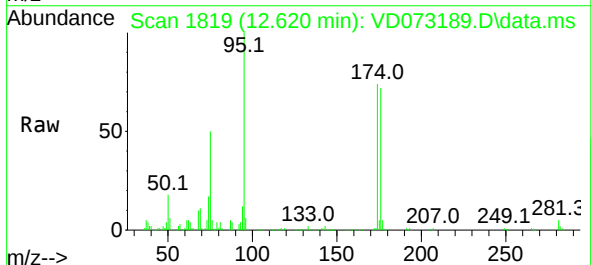
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0520SBL01

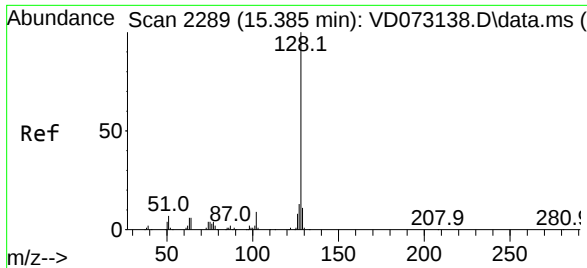
Tgt Ion: 75 Resp: 123766  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 119.308 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.106 min  
Lab File: VD073189.D  
Acq: 20 May 2022 17:57

Tgt Ion: 75 Resp: 123766  
Ion Ratio Lower Upper  
75 100  
53 0.1 86.5 129.7#  
89 0.1 33.9 50.9#





#95

Naphthalene

Concen: 3.597 ug/l

RT: 15.379 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD073189.D

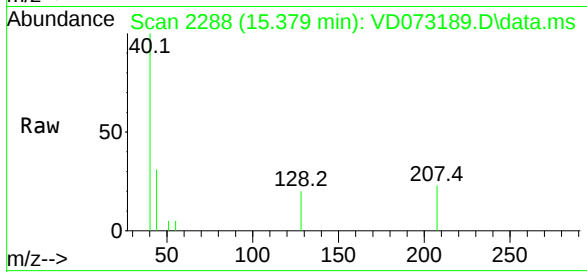
Acq: 20 May 2022 17:57

Instrument :

MSVOA\_D

ClientSampleId :

VD0520SBL01



Tgt Ion:128 Resp: 493

Ion Ratio Lower Upper

128 100

127 14.0 10.3 15.5

129 0.0 8.4 12.6#

