

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061022\  
 Data File : VD073531.D  
 Acq On : 10 Jun 2022 16:33  
 Operator : VA/SY  
 Sample : N3299-03  
 Misc : 5.06G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

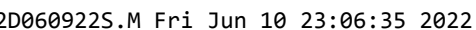
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SC-15

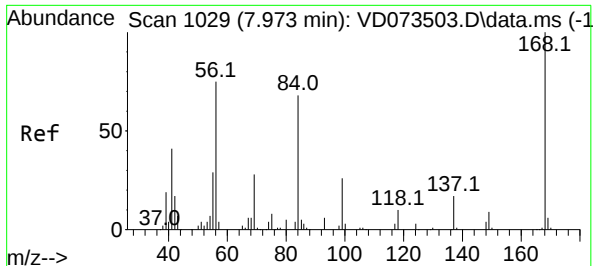
Quant Time: Jun 10 23:06:32 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 09 12:33:32 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.973  | 168   | 239810   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.856  | 114   | 453337   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.632 | 117   | 531809   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561 | 152   | 277601   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.320  | 65    | 134736   | 52.355    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 104.720% |          |
| 35) Dibromofluoromethane      | 7.909  | 113   | 58975    | 20.231    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 40.460%# |          |
| 50) Toluene-d8                | 10.332 | 98    | 580134   | 52.635    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 105.280% |          |
| 62) 4-Bromofluorobenzene      | 12.620 | 95    | 259980   | 64.976    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 129.960% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 10) Methyl Iodide             | 4.315  | 142   | 766      | 4.410     | ug/l #     | 38       |
| 11) Tert butyl alcohol        | 5.185  | 59    | 22526    | Below Cal | #          | 74       |
| 16) Acetone                   | 4.168  | 43    | 7350     | 16.221    | ug/l       | 98       |
| 18) Methyl Acetate            | 4.920  | 43    | 112      | 1.454     | ug/l #     | 55       |
| 25) 2-Butanone                | 7.191  | 43    | 3462     | 5.192     | ug/l #     | 88       |
| 26) 2,2-Dichloropropane       | 7.185  | 77    | 4350     | 1.007     | ug/l #     | 54       |
| 31) Cyclohexane               | 7.961  | 56    | 5594     | 1.290     | ug/l #     | 3        |
| 36) 1,1-Dichloropropene       | 7.967  | 75    | 18665    | 4.263     | ug/l #     | 51       |
| 37) Ethyl Acetate             | 7.191  | 43    | 3462     | 1.958     | ug/l #     | 1        |
| 38) Carbon Tetrachloride      | 7.967  | 117   | 25007    | 5.460     | ug/l #     | 19       |
| 76) 1,2,3-Trichloropropane    | 12.620 | 75    | 131639   | 48.813    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.620 | 75    | 131639   | 114.573   | ug/l #     | 7        |
| 95) Naphthalene               | 15.379 | 128   | 12547    | 5.350     | ug/l       | 100      |
| -----                         |        |       |          |           |            |          |

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

Quant Time: Jun 10 23:06:32 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060922S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 09 12:33:32 2022  
Response via : Initial Calibration

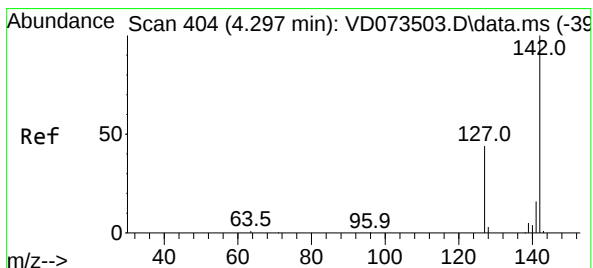
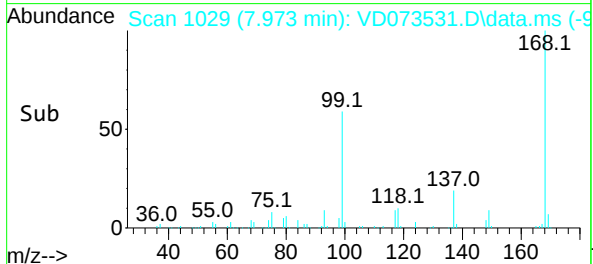
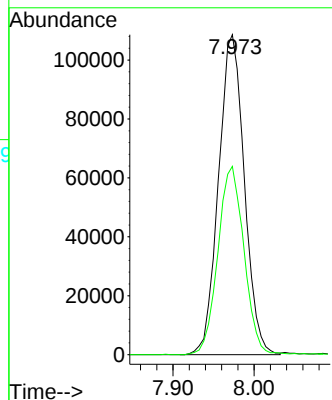
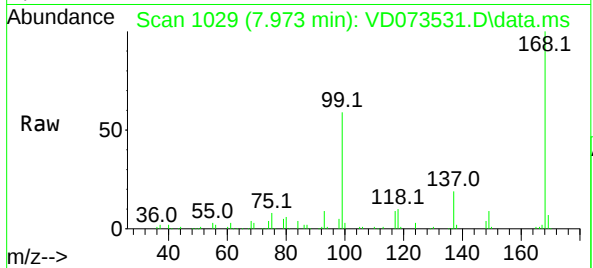




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD073531.D  
Acq: 10 Jun 2022 16:33

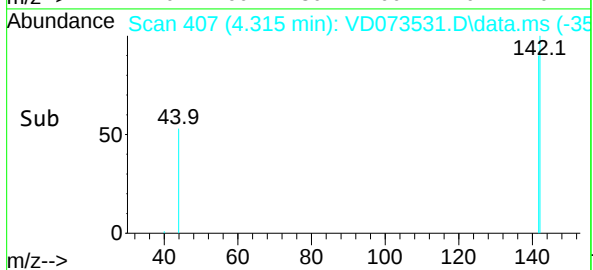
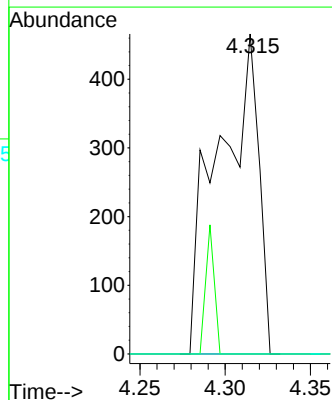
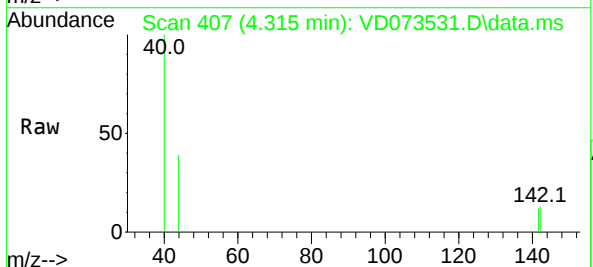
Instrument :  
MSVOA\_D  
ClientSampleId :  
SC-15

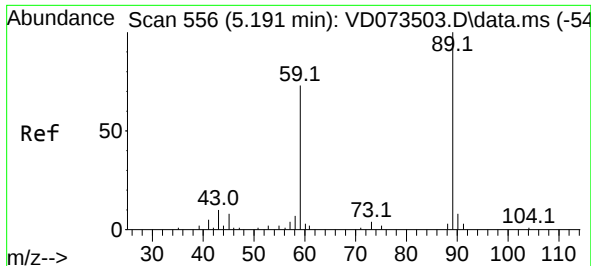
Tgt Ion:168 Resp: 239810  
Ion Ratio Lower Upper  
168 100  
99 58.9 49.8 74.6



#10  
Methyl Iodide  
Concen: 4.410 ug/l  
RT: 4.315 min Scan# 407  
Delta R.T. 0.018 min  
Lab File: VD073531.D  
Acq: 10 Jun 2022 16:33

Tgt Ion:142 Resp: 766  
Ion Ratio Lower Upper  
142 100  
127 0.0 37.3 55.9#  
141 0.0 11.7 17.5#

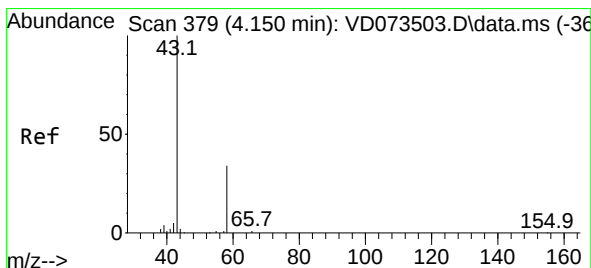
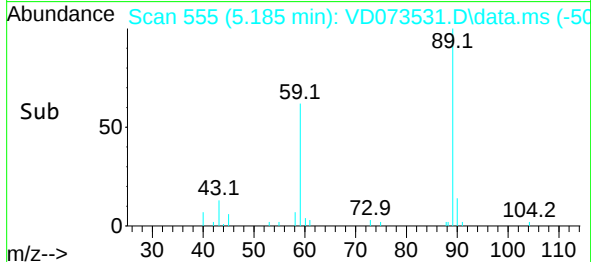
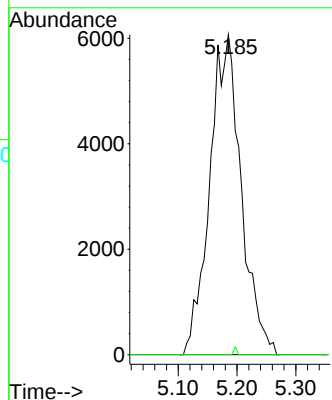
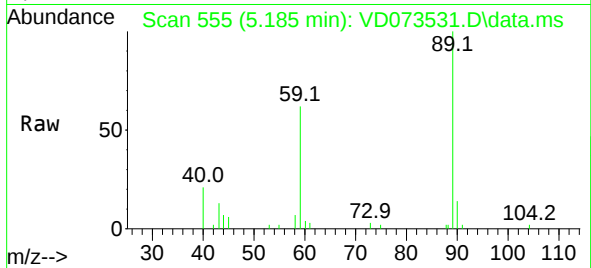




#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 5.185 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VD073531.D  
Acq: 10 Jun 2022 16:33

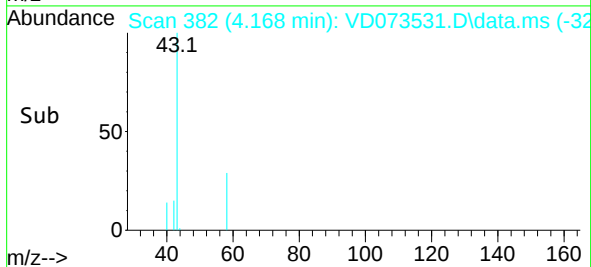
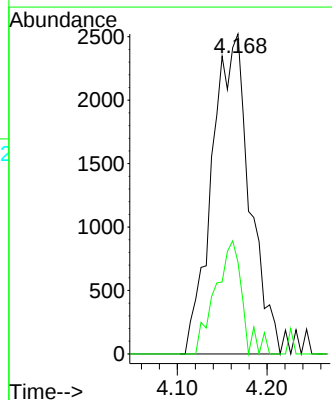
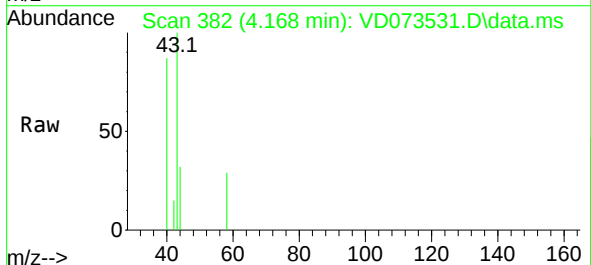
Instrument :  
MSVOA\_D  
ClientSampleId :  
SC-15

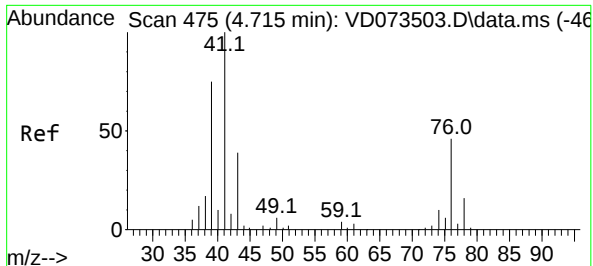
Tgt Ion: 59 Resp: 22526  
Ion Ratio Lower Upper  
59 100  
57 0.2 7.8 11.6#



#16  
Acetone  
Concen: 16.221 ug/l  
RT: 4.168 min Scan# 382  
Delta R.T. 0.018 min  
Lab File: VD073531.D  
Acq: 10 Jun 2022 16:33

Tgt Ion: 43 Resp: 7350  
Ion Ratio Lower Upper  
43 100  
58 28.7 22.1 33.1

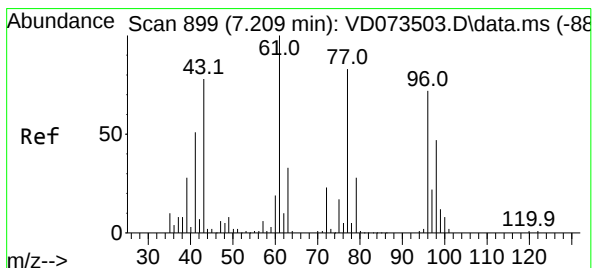
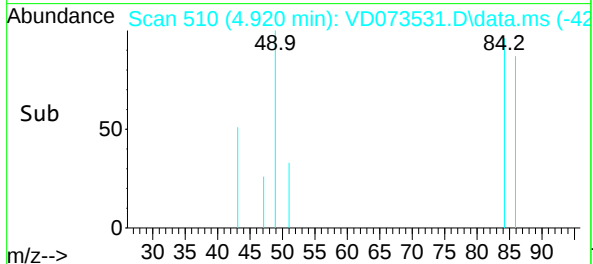
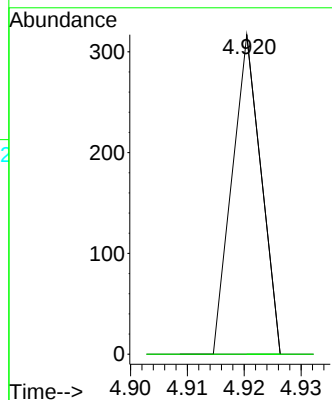
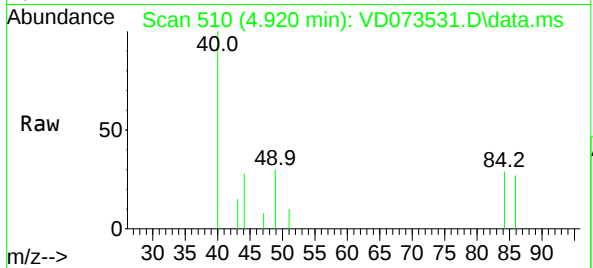




#18  
Methyl Acetate  
Concen: 1.454 ug/l  
RT: 4.920 min Scan# 511  
Delta R.T. 0.205 min  
Lab File: VD073531.D  
Acq: 10 Jun 2022 16:33

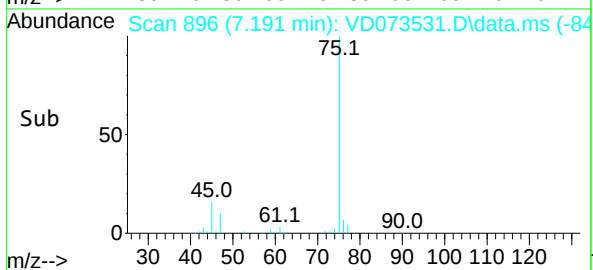
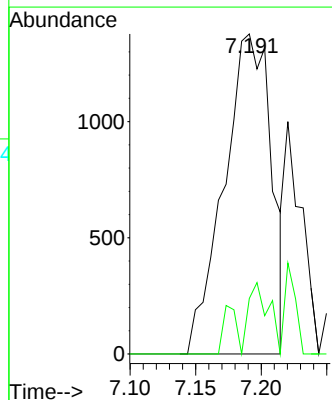
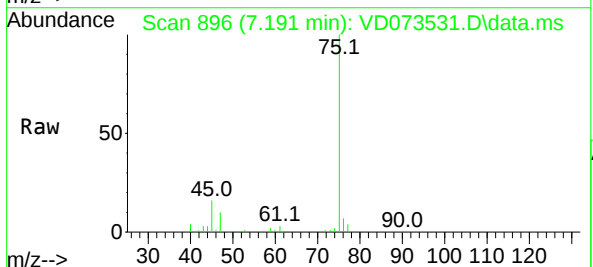
Instrument :  
MSVOA\_D  
ClientSampleId :  
SC-15

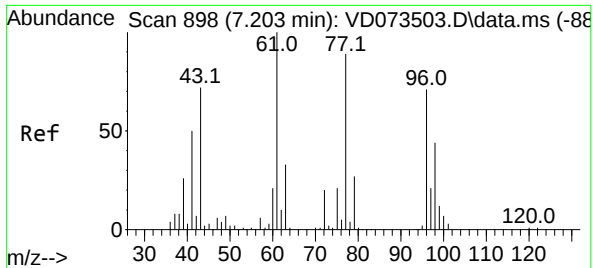
Tgt Ion: 43 Resp: 112  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.7 25.1#



#25  
2-Butanone  
Concen: 5.192 ug/l  
RT: 7.191 min Scan# 896  
Delta R.T. -0.018 min  
Lab File: VD073531.D  
Acq: 10 Jun 2022 16:33

Tgt Ion: 43 Resp: 3462  
Ion Ratio Lower Upper  
43 100  
72 17.4 18.6 27.8#





#26

2,2-Dichloropropane

Concen: 1.007 ug/l

RT: 7.185 min Scan# 89

Delta R.T. -0.018 min

Lab File: VD073531.D

Acq: 10 Jun 2022 16:33

Instrument :

MSVOA\_D

ClientSampleId :

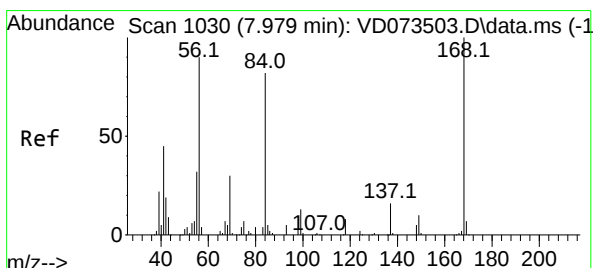
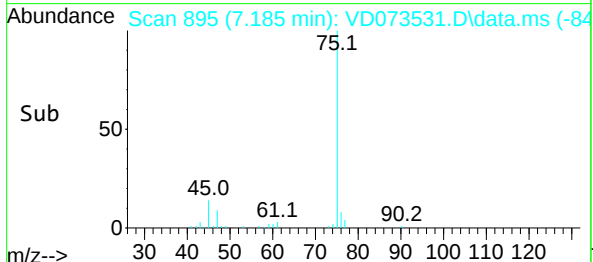
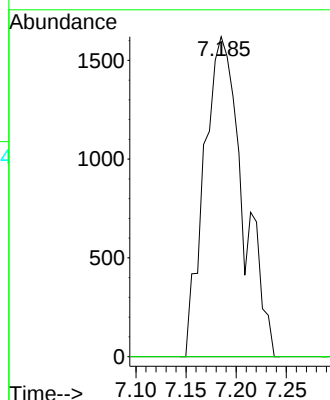
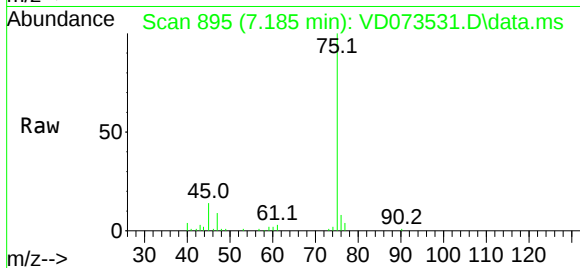
SC-15

Tgt Ion: 77 Resp: 4350

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#31

Cyclohexane

Concen: 1.290 ug/l

RT: 7.961 min Scan# 1027

Delta R.T. -0.018 min

Lab File: VD073531.D

Acq: 10 Jun 2022 16:33

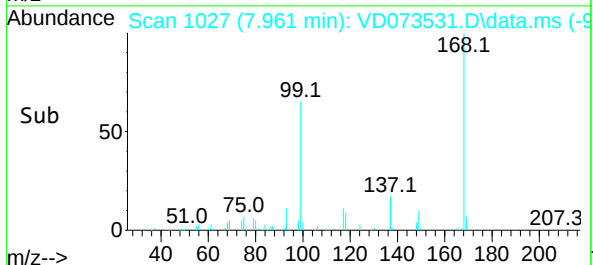
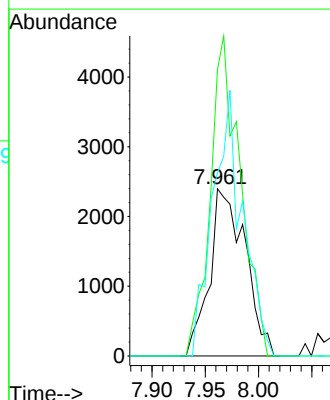
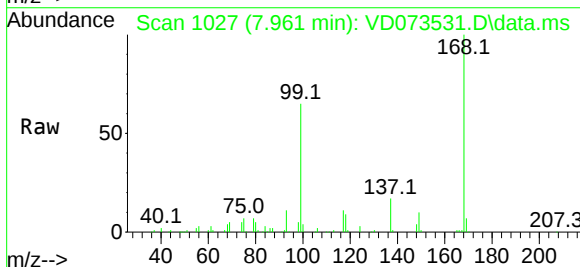
Tgt Ion: 56 Resp: 5594

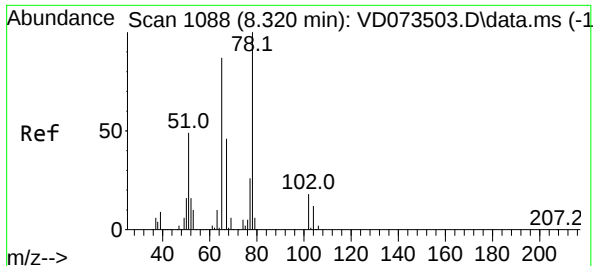
Ion Ratio Lower Upper

56 100

69 171.2 25.4 38.2#

84 109.5 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 52.355 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD073531.D

Acq: 10 Jun 2022 16:33

Instrument :

MSVOA\_D

ClientSampleId :

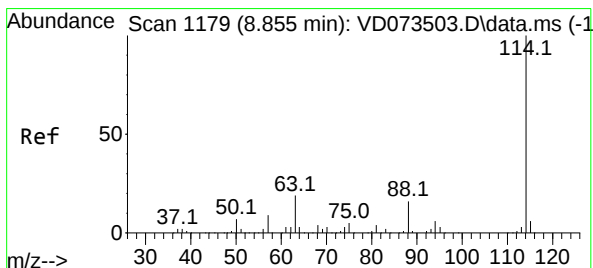
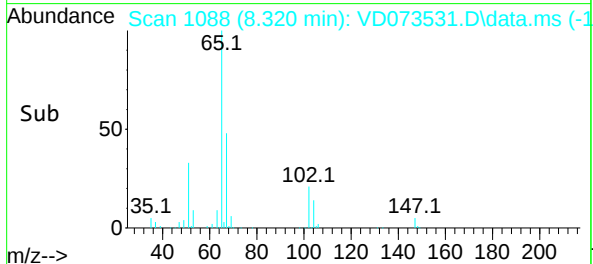
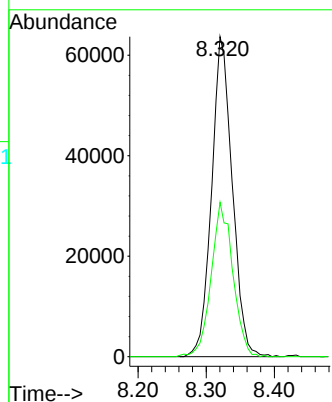
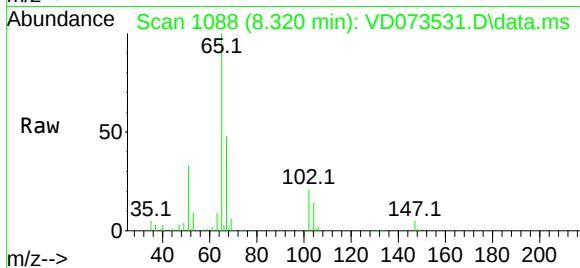
SC-15

Tgt Ion: 65 Resp: 134736

Ion Ratio Lower Upper

65 100

67 50.5 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: VD073531.D

Acq: 10 Jun 2022 16:33

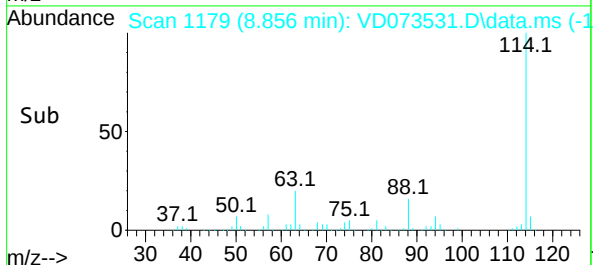
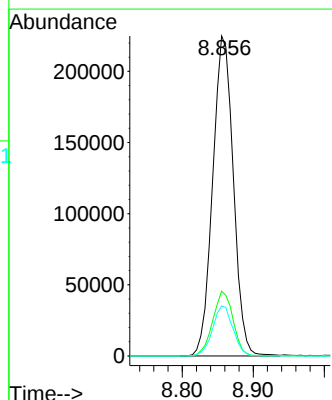
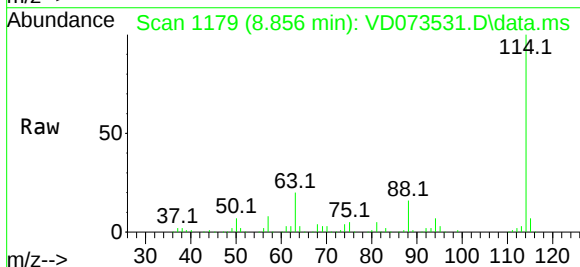
Tgt Ion: 114 Resp: 453337

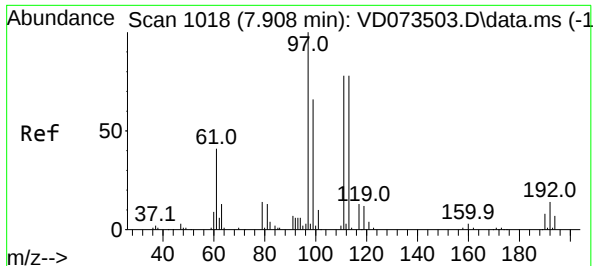
Ion Ratio Lower Upper

114 100

63 20.3 0.0 46.6

88 15.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 20.231 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.001 min

Lab File: VD073531.D

Acq: 10 Jun 2022 16:33

Instrument :

MSVOA\_D

ClientSampleId :

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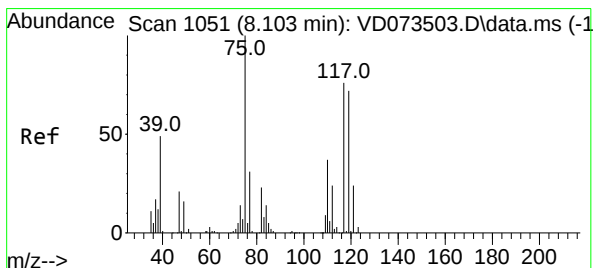
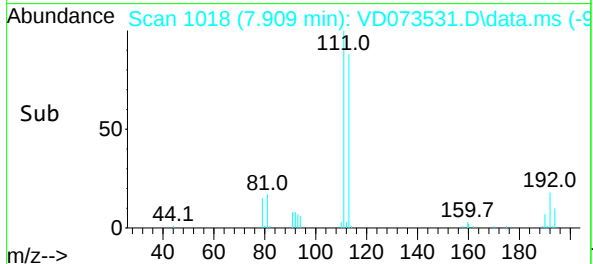
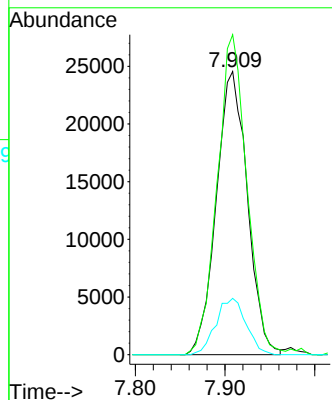
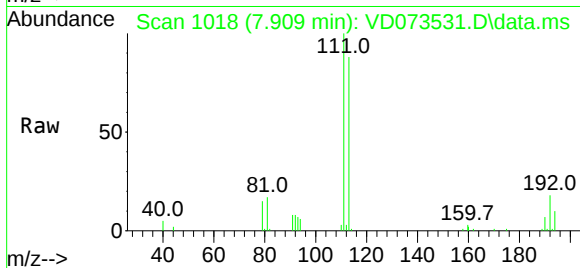
Tgt Ion:113 Resp: 58975

Ion Ratio Lower Upper

113 100

111 107.8 83.8 125.6

192 19.4 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.263 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.136 min

Lab File: VD073531.D

Acq: 10 Jun 2022 16:33

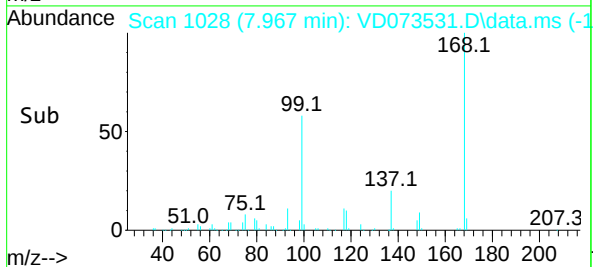
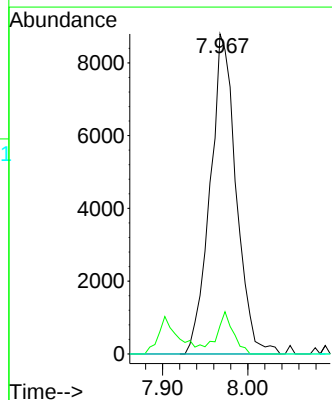
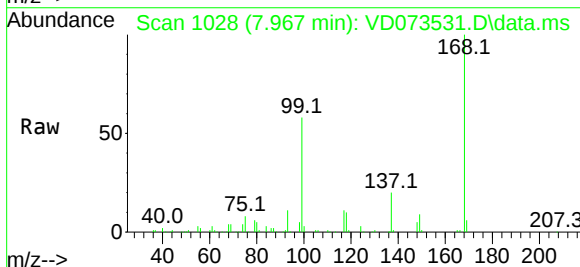
Tgt Ion: 75 Resp: 18665

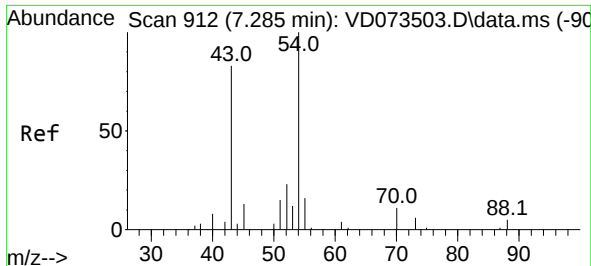
Ion Ratio Lower Upper

75 100

110 8.1 16.4 49.1#

77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 1.958 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.094 min

Lab File: VD073531.D

Acq: 10 Jun 2022 16:33

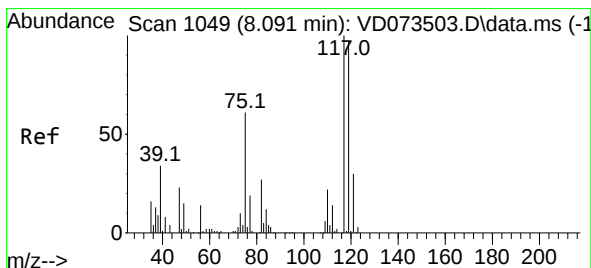
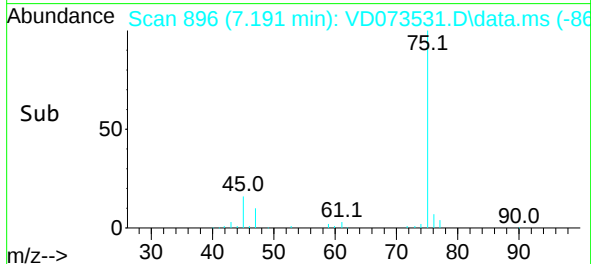
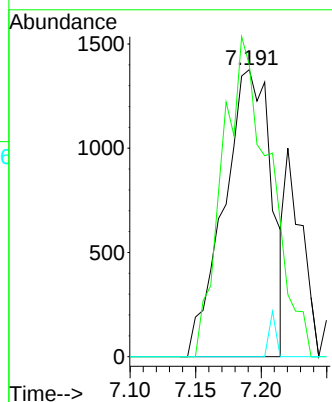
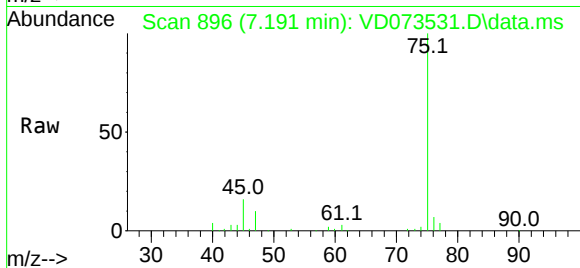
Instrument :

MSVOA\_D

ClientSampleId :

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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 3462  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 111.7 | 9.8   | 14.8# |
| 70       | 0.0   | 6.9   | 10.3# |



#38

Carbon Tetrachloride

Concen: 5.460 ug/l

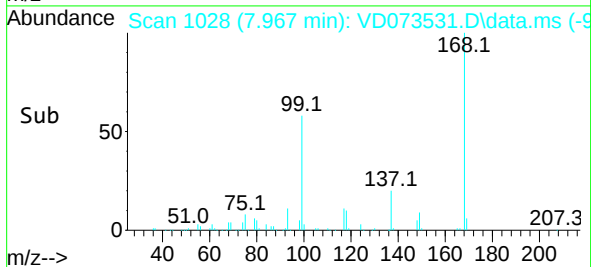
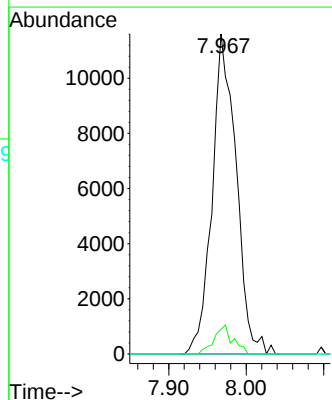
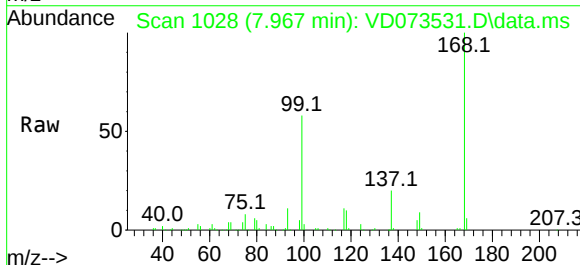
RT: 7.967 min Scan# 1028

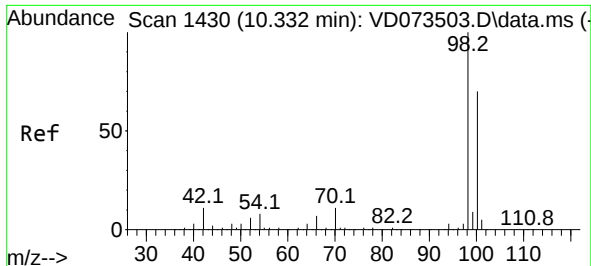
Delta R.T. -0.124 min

Lab File: VD073531.D

Acq: 10 Jun 2022 16:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 25007  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 7.7   | 75.8  | 113.6# |
| 121      | 0.0   | 24.5  | 36.7#  |

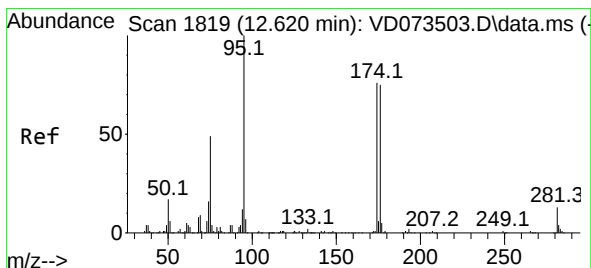
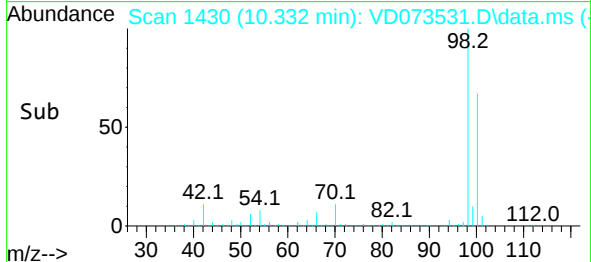
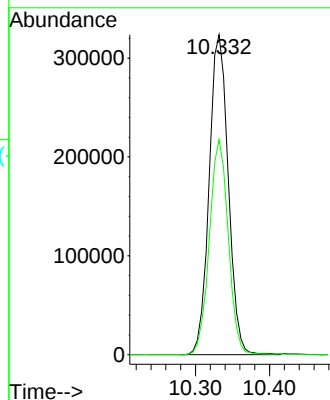
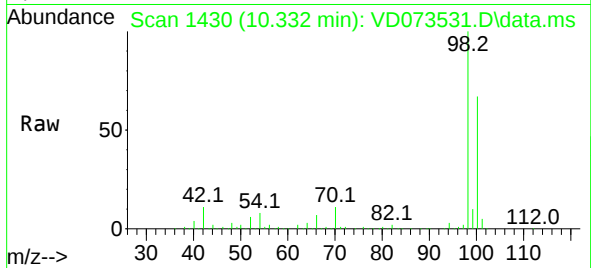




#50  
Toluene-d8  
Concen: 52.635 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073531.D  
Acq: 10 Jun 2022 16:33

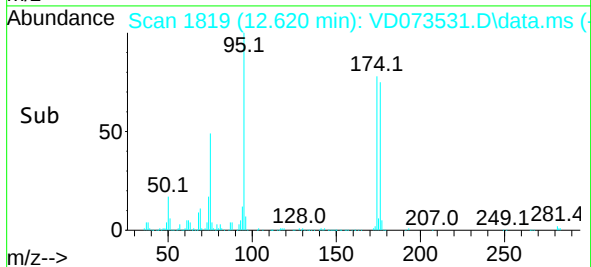
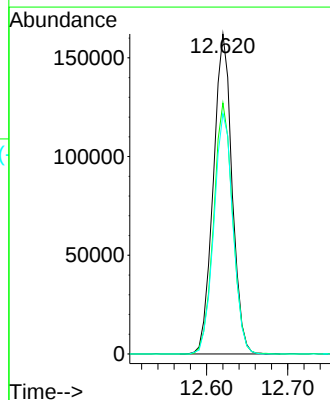
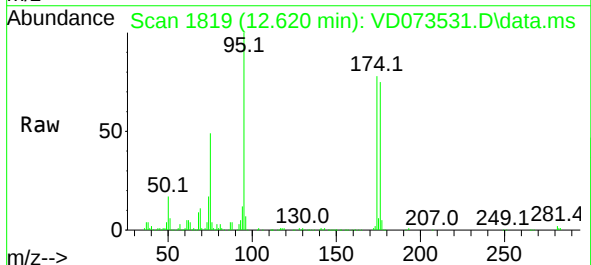
Instrument :  
MSVOA\_D  
ClientSampleId :  
SC-15

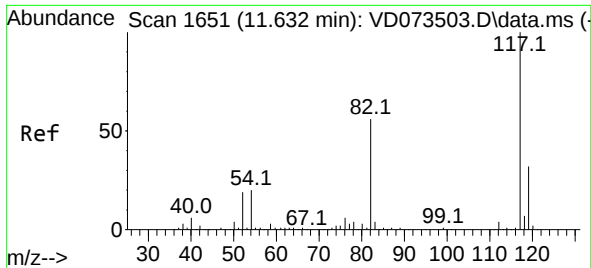
Tgt Ion: 98 Resp: 580134  
Ion Ratio Lower Upper  
98 100  
100 66.3 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 64.976 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VD073531.D  
Acq: 10 Jun 2022 16:33

Tgt Ion: 95 Resp: 259980  
Ion Ratio Lower Upper  
95 100  
174 79.4 0.0 152.8  
176 76.5 0.0 145.4

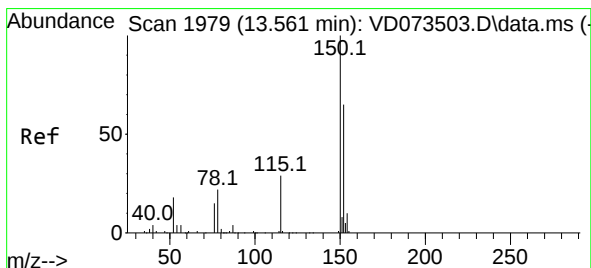
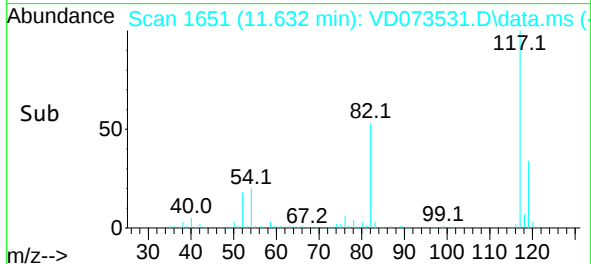
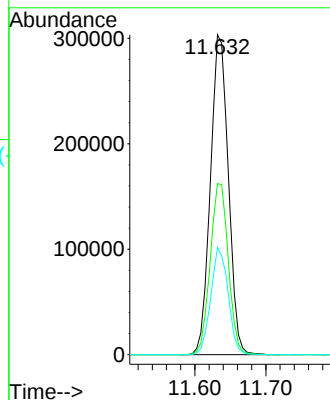
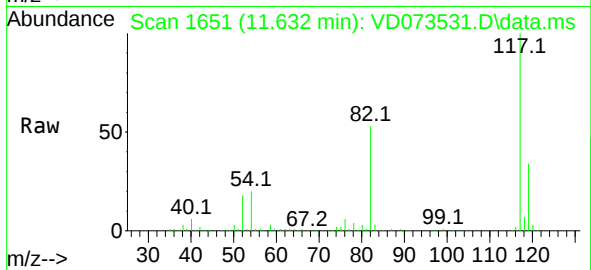




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.632 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD073531.D  
Acq: 10 Jun 2022 16:33

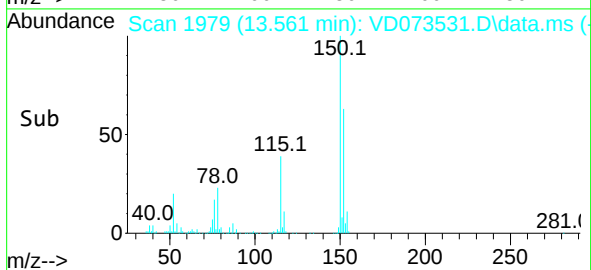
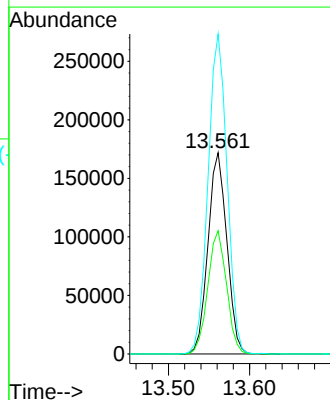
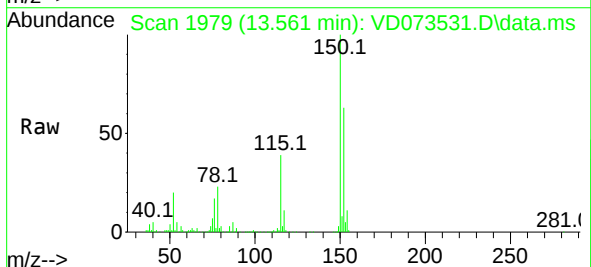
Instrument :  
MSVOA\_D  
ClientSampleId :  
SC-15

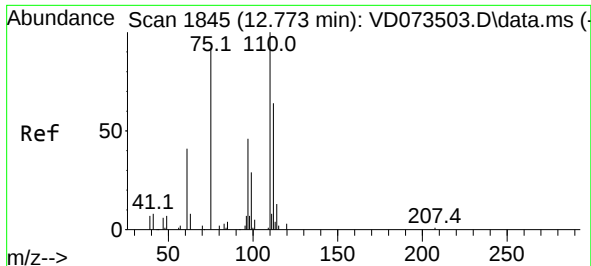
Tgt Ion:117 Resp: 531809  
Ion Ratio Lower Upper  
117 100  
82 53.5 45.3 67.9  
119 33.5 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. 0.000 min  
Lab File: VD073531.D  
Acq: 10 Jun 2022 16:33

Tgt Ion:152 Resp: 277601  
Ion Ratio Lower Upper  
152 100  
115 60.7 31.3 93.8  
150 160.1 0.0 348.6

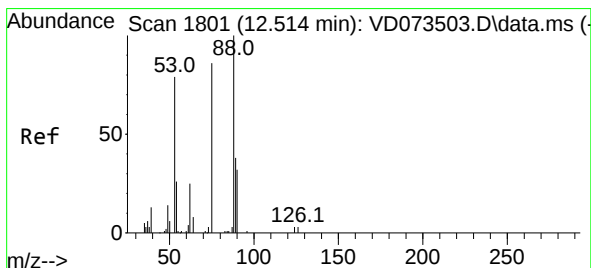
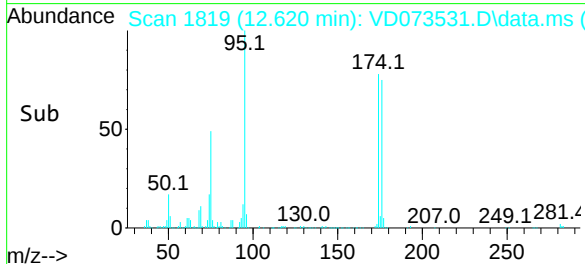
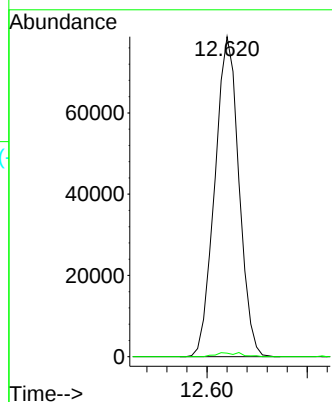
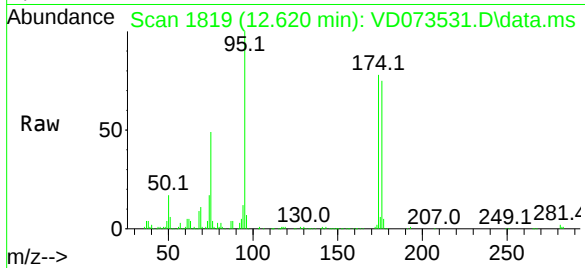




#76  
1,2,3-Trichloropropane  
Concen: 48.813 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.153 min  
Lab File: VD073531.D  
Acq: 10 Jun 2022 16:33

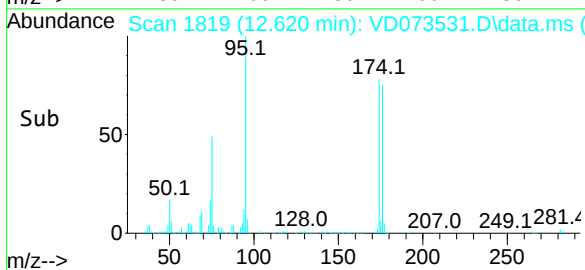
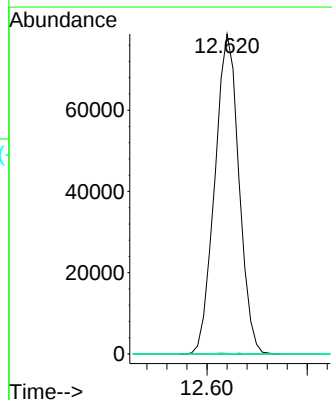
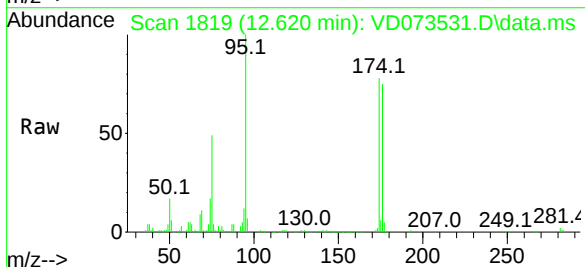
Instrument :  
MSVOA\_D  
ClientSampleId :  
SC-15

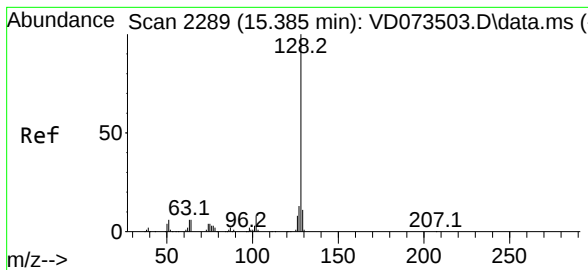
Tgt Ion: 75 Resp: 131639  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 114.573 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.106 min  
Lab File: VD073531.D  
Acq: 10 Jun 2022 16:33

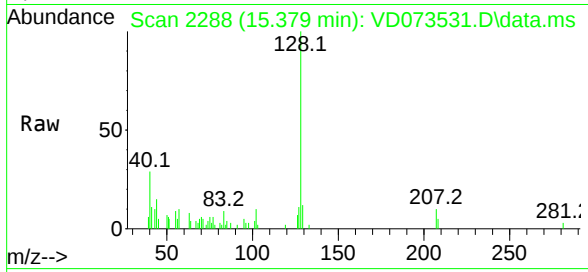
Tgt Ion: 75 Resp: 131639  
Ion Ratio Lower Upper  
75 100  
53 0.2 86.5 129.7#  
89 0.1 33.9 50.9#





#95  
Naphthalene  
Concen: 5.350 ug/l  
RT: 15.379 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VD073531.D  
Acq: 10 Jun 2022 16:33

Instrument :  
MSVOA\_D  
ClientSampleId :  
SC-15



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 12547 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 12.9  | 10.3  | 15.5  |
| 129      | 10.8  | 8.4   | 12.6  |

