

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101322\  
 Data File : VD074523.D  
 Acq On : 13 Oct 2022 12:21  
 Operator : VA/SY  
 Sample : VD1013SBL01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1013SBL01

Quant Time: Oct 13 16:55:05 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101122S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 12 13:14:00 2022  
 Response via : Initial Calibration

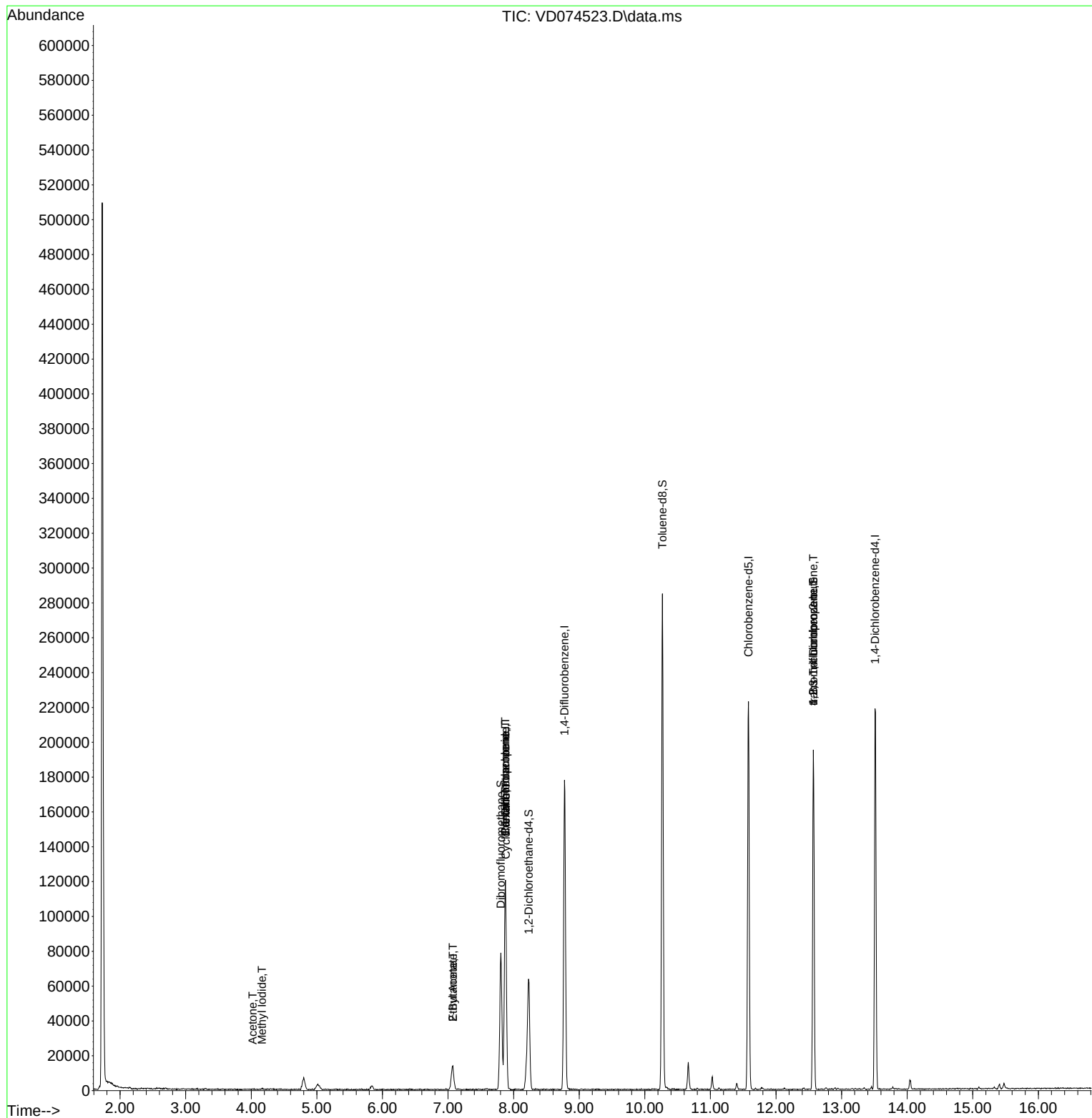
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.875  | 168   | 97310    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.775  | 114   | 168145   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.581 | 117   | 140816   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.510 | 152   | 64965    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.228  | 65    | 46887    | 55.978    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 111.960% |          |
| 35) Dibromofluoromethane      | 7.805  | 113   | 55649    | 55.232    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 110.460% |          |
| 50) Toluene-d8                | 10.269 | 98    | 201314   | 52.220    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 104.440% |          |
| 62) 4-Bromofluorobenzene      | 12.569 | 95    | 58479    | 49.395    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 98.800%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 10) Methyl Iodide             | 4.164  | 142   | 333      | 5.492     | ug/l #     | 64       |
| 11) Tert butyl alcohol        | 4.999  | 59    | 3206     | Below Cal | #          | 84       |
| 16) Acetone                   | 4.023  | 43    | 548      | 3.033     | ug/l #     | 37       |
| 20) Methylene Chloride        | 4.799  | 84    | 5645     | Below Cal |            | 90       |
| 25) 2-Butanone                | 7.075  | 43    | 540      | 2.165     | ug/l #     | 42       |
| 31) Cyclohexane               | 7.881  | 56    | 1962     | 1.101     | ug/l #     | 43       |
| 36) 1,1-Dichloropropene       | 7.875  | 75    | 7100     | 4.400     | ug/l #     | 46       |
| 37) Ethyl Acetate             | 7.075  | 43    | 540      | 1.020     | ug/l #     | 22       |
| 38) Carbon Tetrachloride      | 7.875  | 117   | 9506     | 6.371     | ug/l #     | 19       |
| 76) 1,2,3-Trichloropropane    | 12.569 | 75    | 28648    | 51.600    | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.569 | 75    | 28648    | 130.888   | ug/l #     | 17       |
| -----                         |        |       |          |           |            |          |

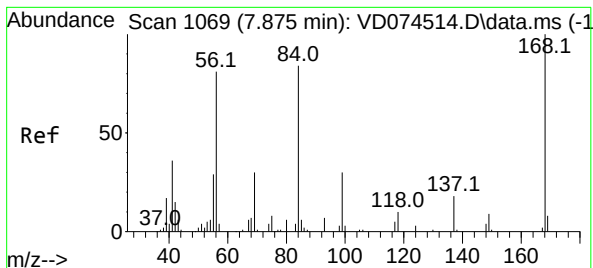
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VD1013SBL01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1013SBL01

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Quant Title : SW846 8260  
QLast Update : Wed Oct 12 13:14:00 2022  
Response via : Initial Calibration

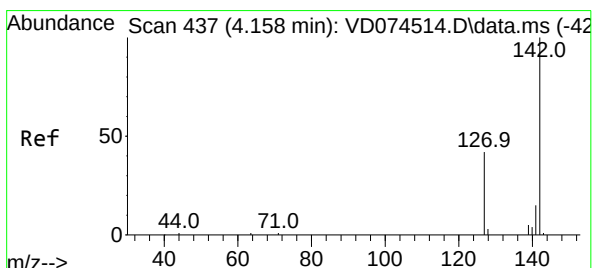
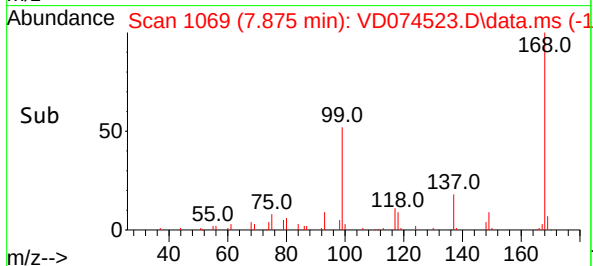
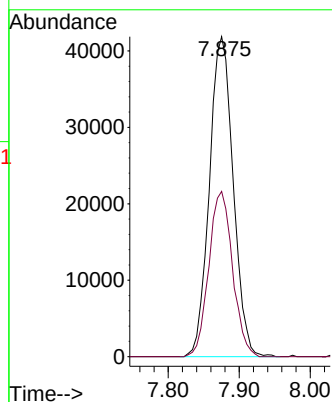
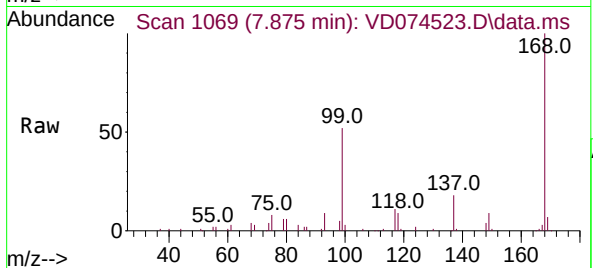




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD074523.D  
Acq: 13 Oct 2022 12:21

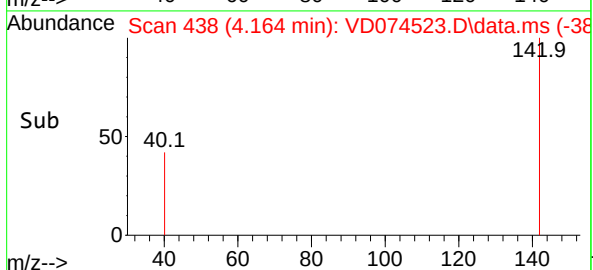
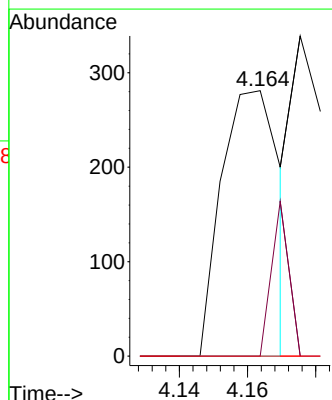
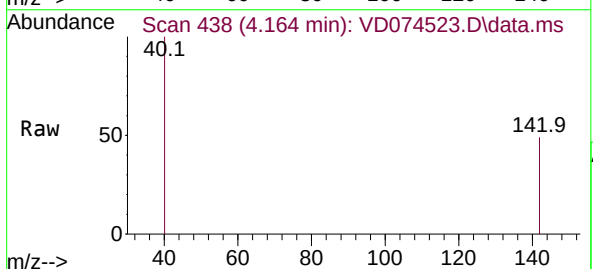
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1013SBL01

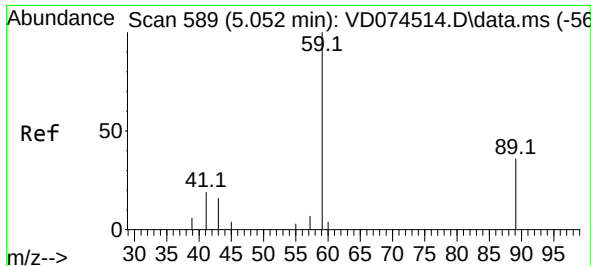
Tgt Ion:168 Resp: 97310  
Ion Ratio Lower Upper  
168 100  
99 51.7 40.9 61.3



#10  
Methyl Iodide  
Concen: 5.492 ug/l  
RT: 4.164 min Scan# 438  
Delta R.T. 0.006 min  
Lab File: VD074523.D  
Acq: 13 Oct 2022 12:21

Tgt Ion:142 Resp: 333  
Ion Ratio Lower Upper  
142 100  
127 17.4 31.9 47.9#  
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.999 min Scan# 51

Delta R.T. -0.053 min

Lab File: VD074523.D

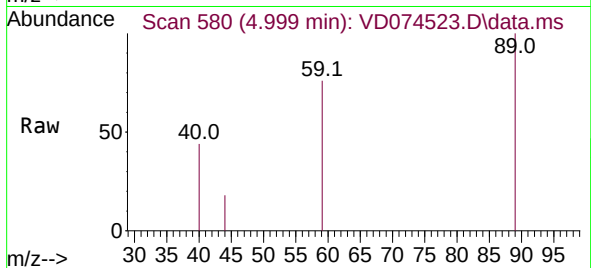
Acq: 13 Oct 2022 12:21

Instrument :

MSVOA\_D

ClientSampleId :

VD1013SBL01

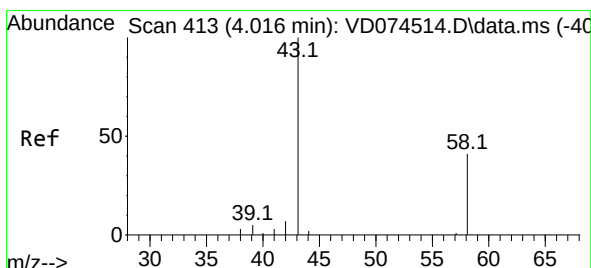
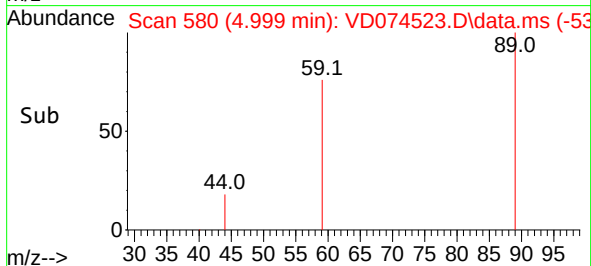
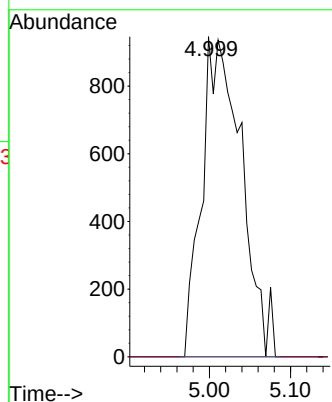


Tgt Ion: 59 Resp: 3206

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 3.033 ug/l

RT: 4.023 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD074523.D

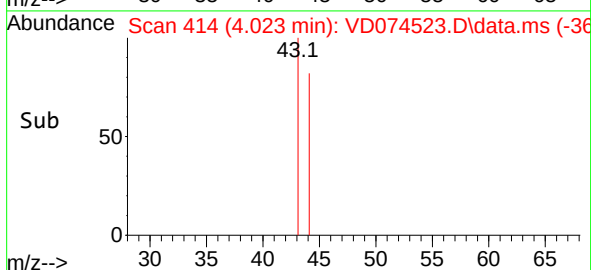
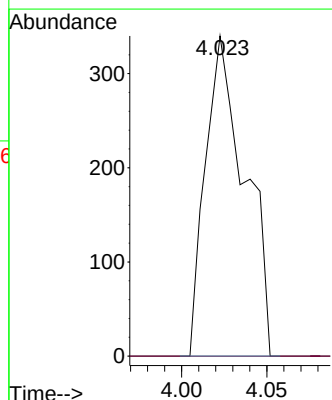
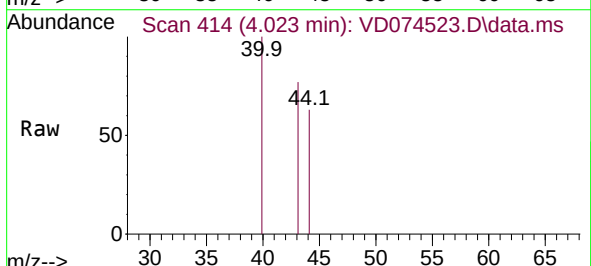
Acq: 13 Oct 2022 12:21

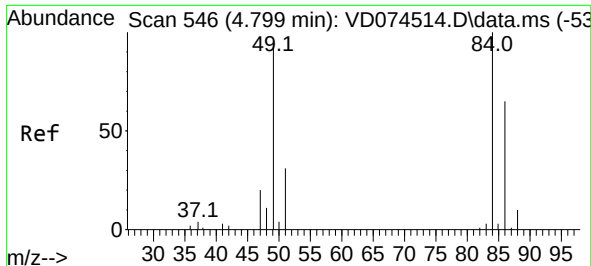
Tgt Ion: 43 Resp: 548

Ion Ratio Lower Upper

43 100

58 0.0 30.2 45.2#

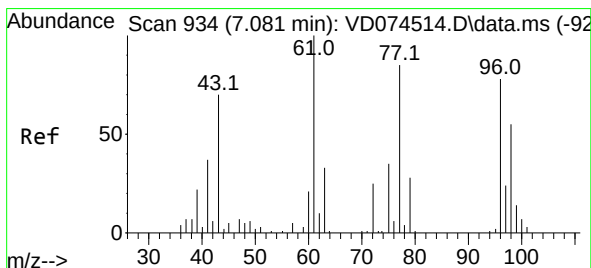
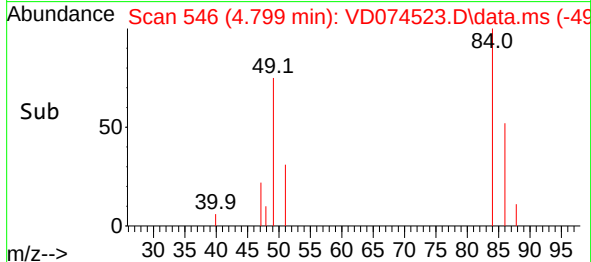
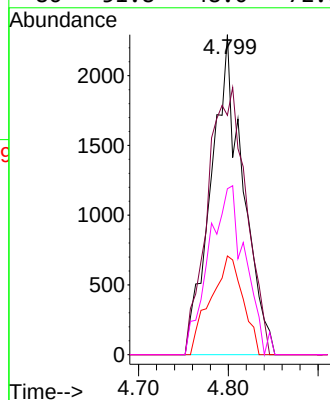
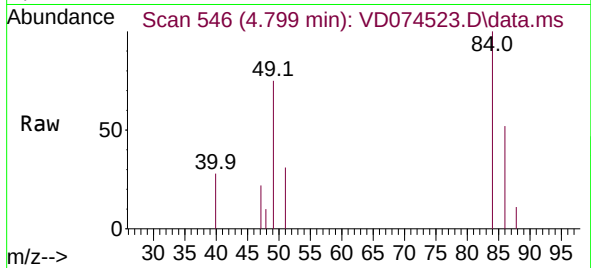




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.799 min Scan# 54  
Delta R.T. -0.000 min  
Lab File: VD074523.D  
Acq: 13 Oct 2022 12:21

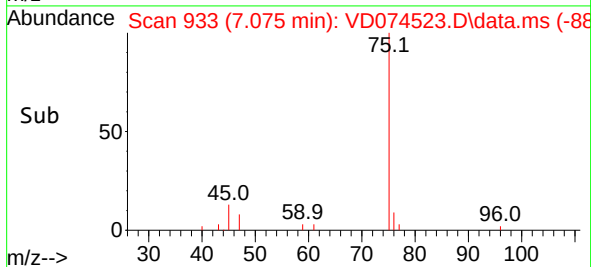
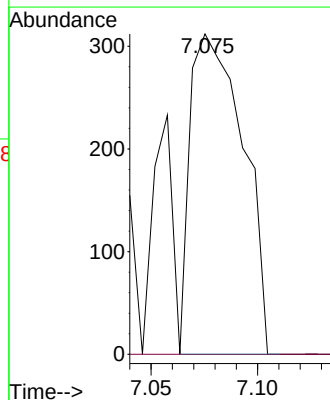
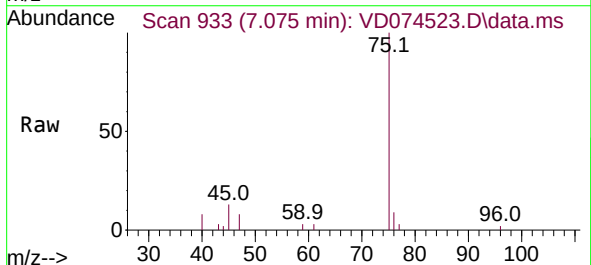
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1013SBL01

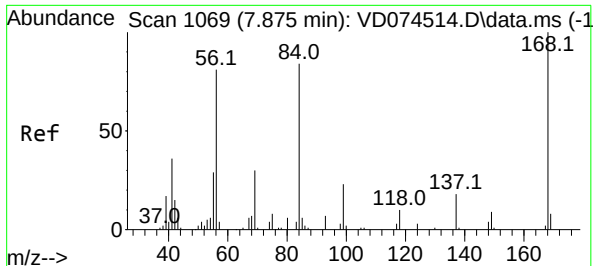
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 5645  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 74.8  | 68.0  | 102.0 |
| 51       | 30.9  | 23.2  | 34.8  |
| 86       | 51.8  | 48.0  | 72.0  |



#25  
2-Butanone  
Concen: 2.165 ug/l  
RT: 7.075 min Scan# 933  
Delta R.T. -0.006 min  
Lab File: VD074523.D  
Acq: 13 Oct 2022 12:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 540   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 0.0   | 25.8  | 38.8# |

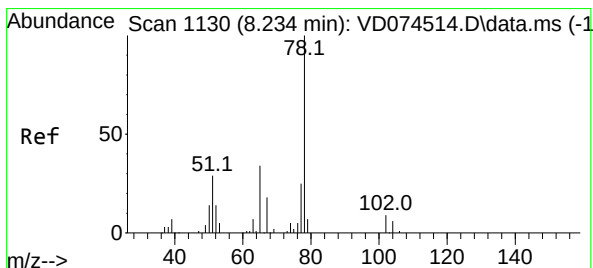
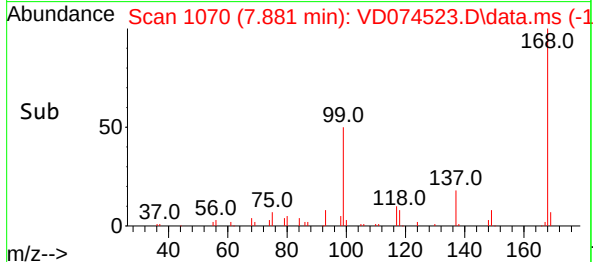
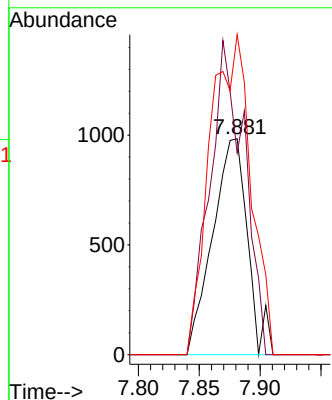
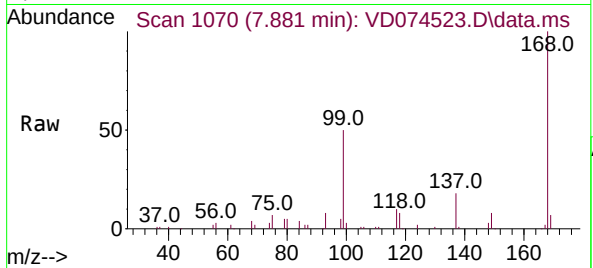




#31  
Cyclohexane  
Concen: 1.101 ug/l  
RT: 7.881 min Scan# 1109  
Delta R.T. 0.006 min  
Lab File: VD074523.D  
Acq: 13 Oct 2022 12:21

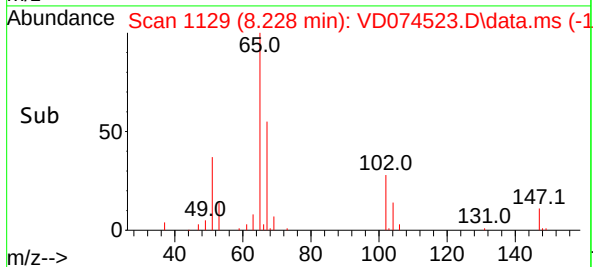
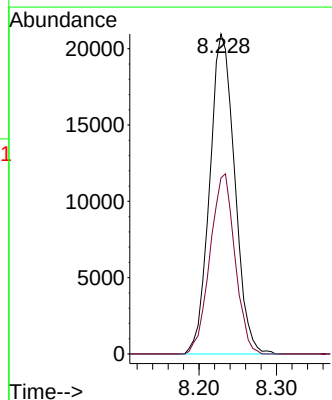
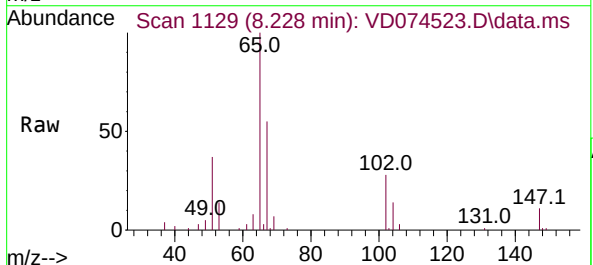
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1013SBL01

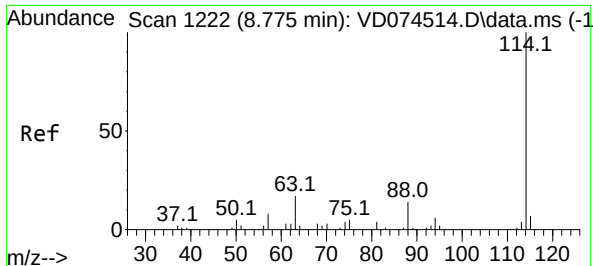
Tgt Ion: 56 Resp: 1962  
Ion Ratio Lower Upper  
56 100  
69 93.4 29.2 43.8#  
84 148.2 83.4 125.2#



#33  
1,2-Dichloroethane-d4  
Concen: 55.978 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. 0.000 min  
Lab File: VD074523.D  
Acq: 13 Oct 2022 12:21

Tgt Ion: 65 Resp: 46887  
Ion Ratio Lower Upper  
65 100  
67 56.2 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD074523.D

Acq: 13 Oct 2022 12:21

Instrument :

MSVOA\_D

ClientSampleId :

VD1013SBL01

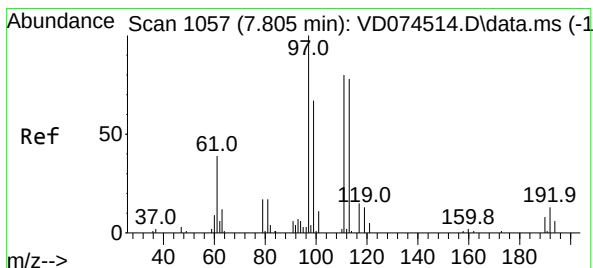
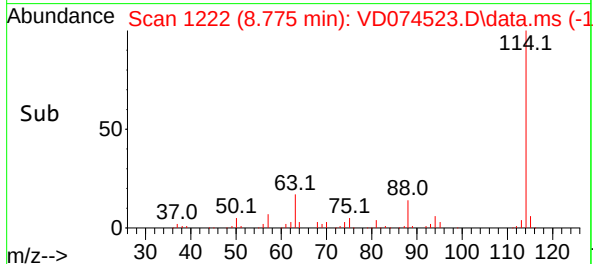
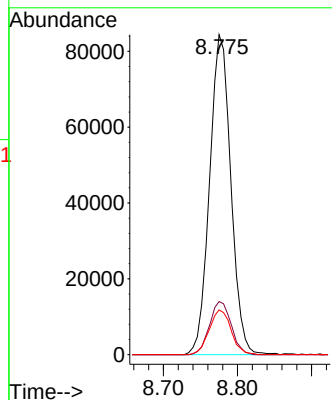
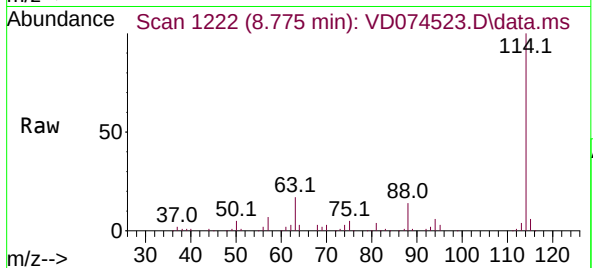
Tgt Ion:114 Resp: 168145

Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.2

88 14.0 0.0 28.2



#35

Dibromofluoromethane

Concen: 55.232 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD074523.D

Acq: 13 Oct 2022 12:21

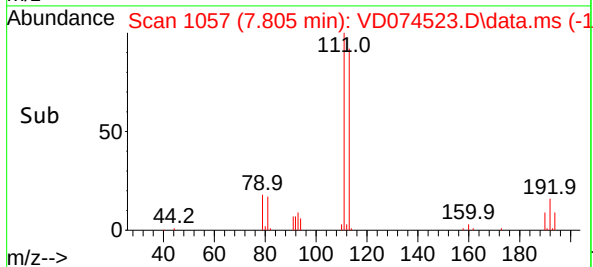
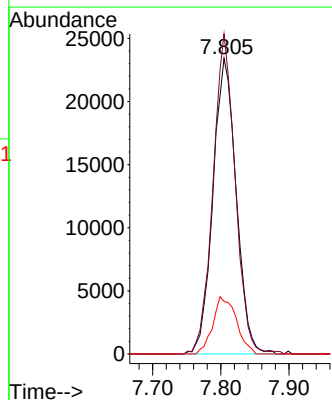
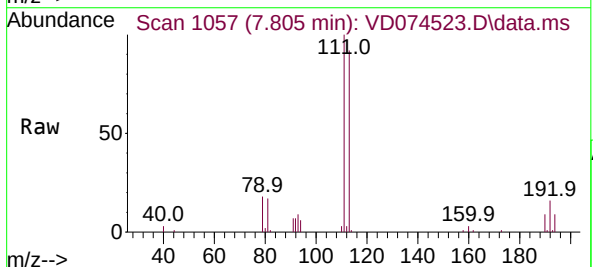
Tgt Ion:113 Resp: 55649

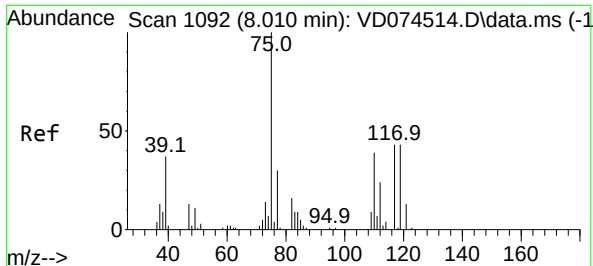
Ion Ratio Lower Upper

113 100

111 103.4 82.3 123.5

192 19.5 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.400 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD074523.D

Acq: 13 Oct 2022 12:21

Instrument :

MSVOA\_D

ClientSampleId :

VD1013SBL01

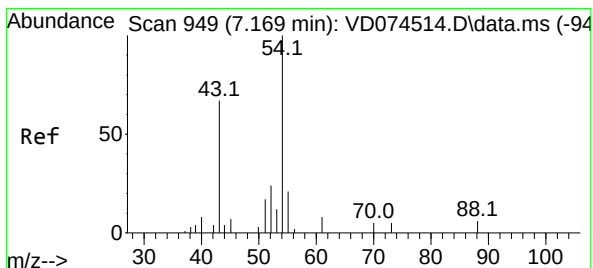
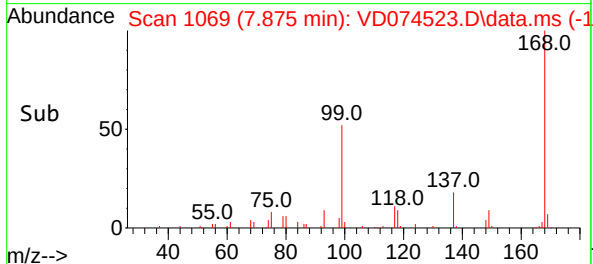
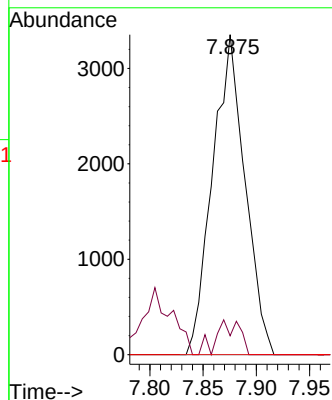
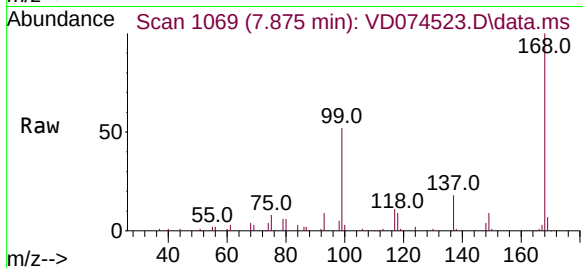
Tgt Ion: 75 Resp: 7100

Ion Ratio Lower Upper

75 100

110 7.8 19.7 59.0#

77 0.0 25.4 38.2#



#37

Ethyl Acetate

Concen: 1.020 ug/l

RT: 7.075 min Scan# 933

Delta R.T. -0.094 min

Lab File: VD074523.D

Acq: 13 Oct 2022 12:21

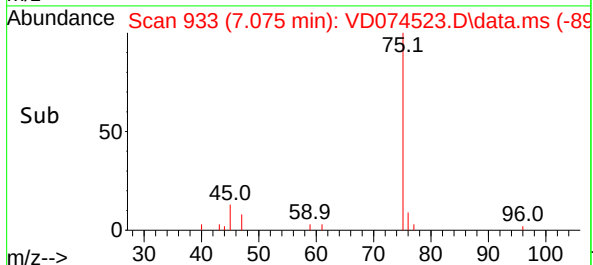
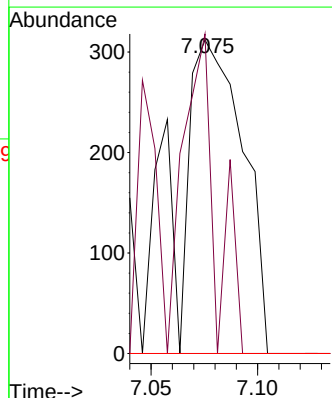
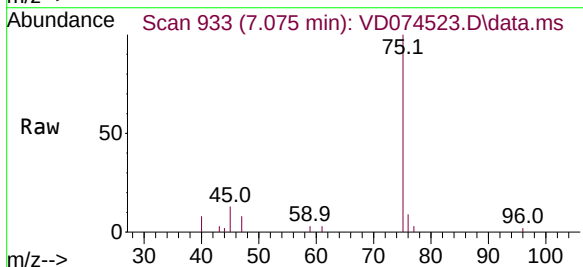
Tgt Ion: 43 Resp: 540

Ion Ratio Lower Upper

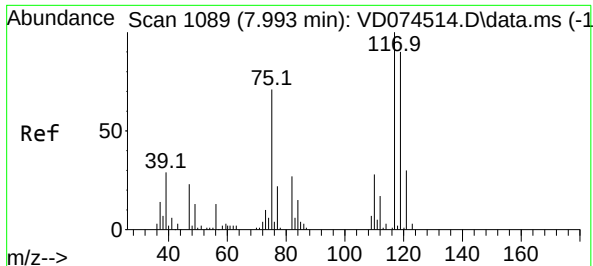
43 100

61 63.1 12.2 18.4#

70 0.0 9.6 14.4#

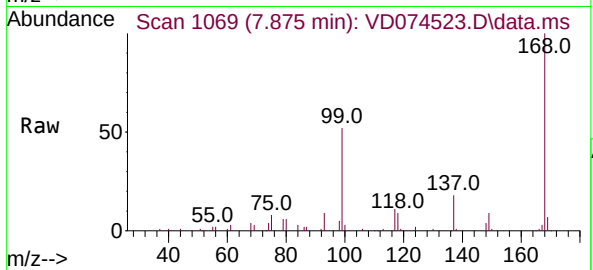




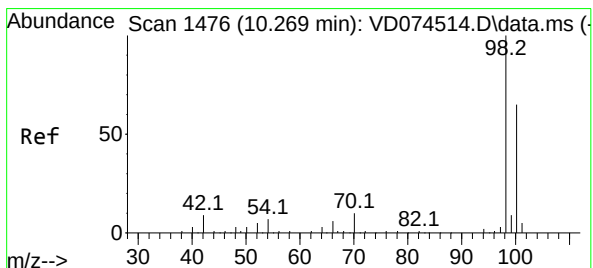
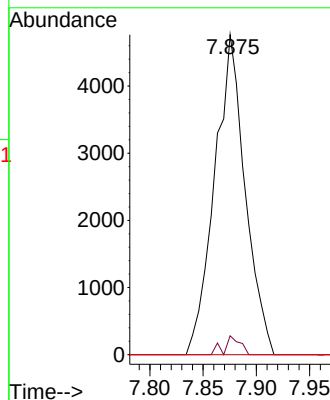
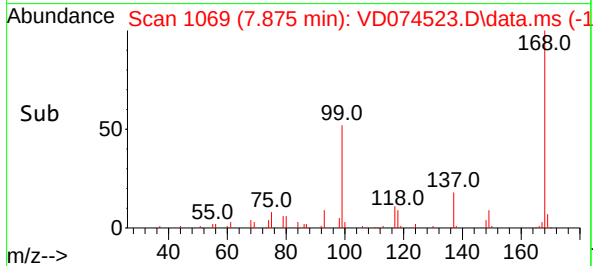


#38  
Carbon Tetrachloride  
Concen: 6.371 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.112 min  
Lab File: VD074523.D  
Acq: 13 Oct 2022 12:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1013SBL01

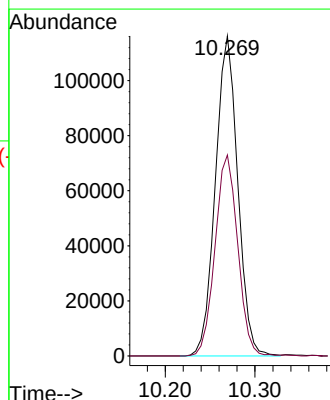
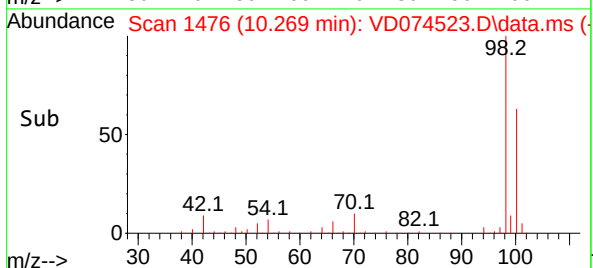
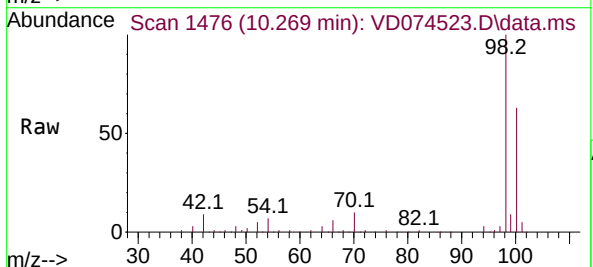


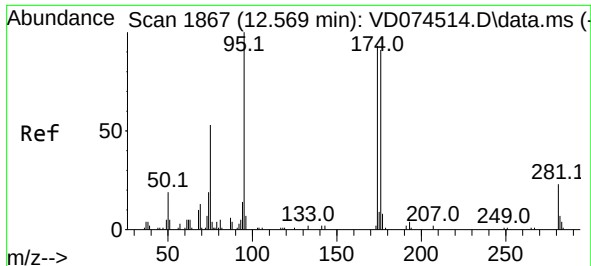
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Ion Ratio Lower Upper  
117 100  
119 5.9 73.1 109.7#  
121 0.0 25.0 37.6#



#50  
Toluene-d8  
Concen: 52.220 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD074523.D  
Acq: 13 Oct 2022 12:21

Tgt Ion: 98 Resp: 201314  
Ion Ratio Lower Upper  
98 100  
100 63.7 51.4 77.0

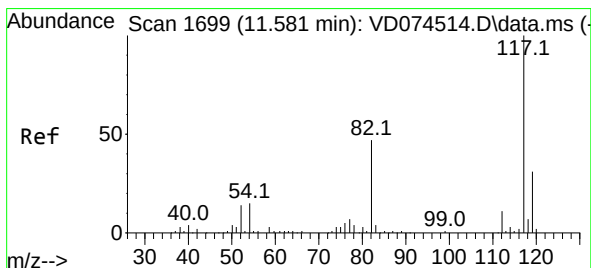
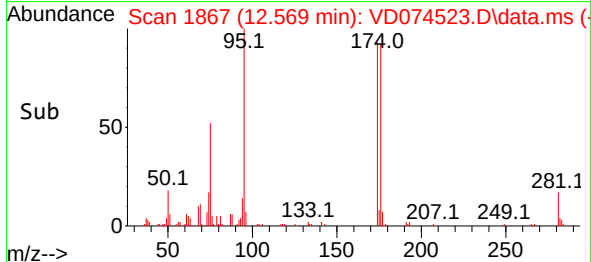
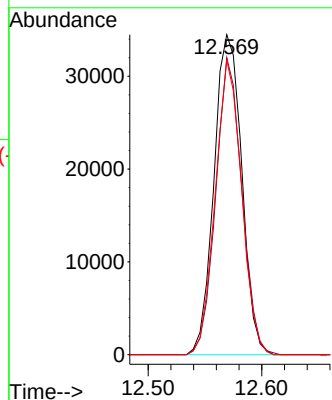
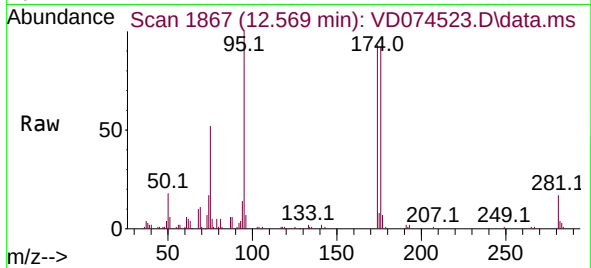




#62  
4-Bromofluorobenzene  
Concen: 49.395 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VD074523.D  
Acq: 13 Oct 2022 12:21

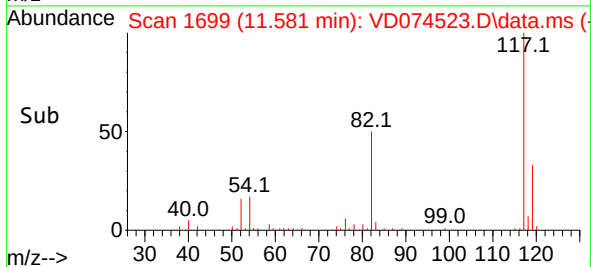
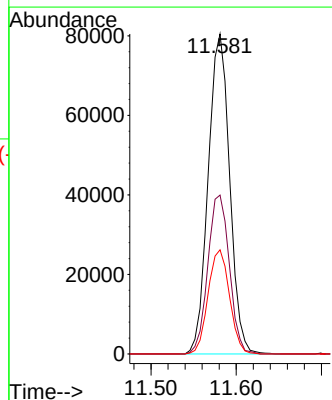
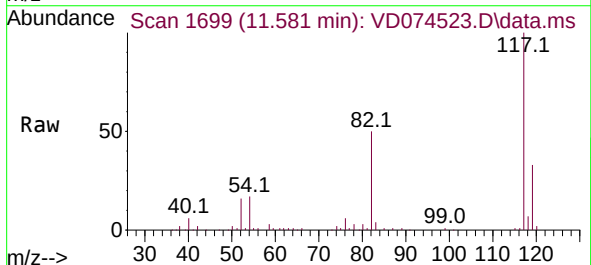
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1013SBL01

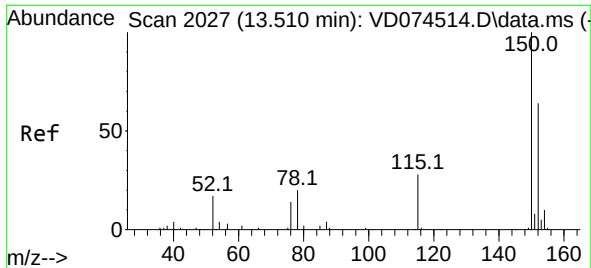
Tgt Ion: 95 Resp: 58479  
Ion Ratio Lower Upper  
95 100  
174 87.3 0.0 197.0  
176 87.3 0.0 182.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD074523.D  
Acq: 13 Oct 2022 12:21

Tgt Ion: 117 Resp: 140816  
Ion Ratio Lower Upper  
117 100  
82 49.7 41.6 62.4  
119 32.5 25.2 37.8

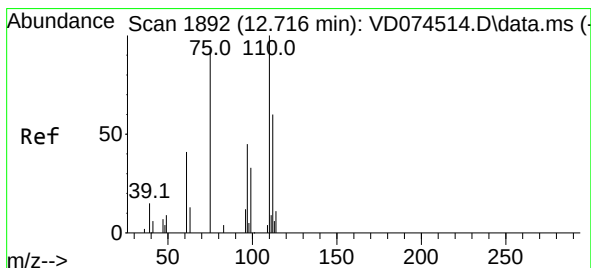
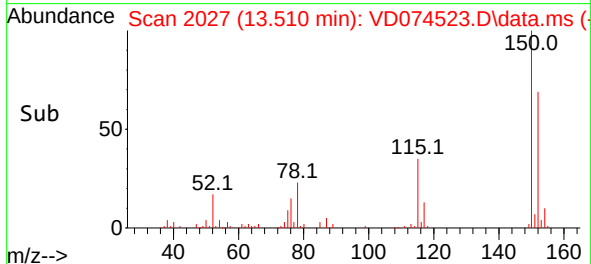
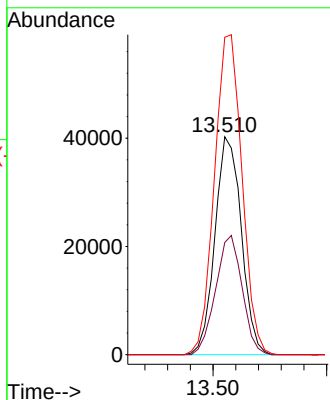
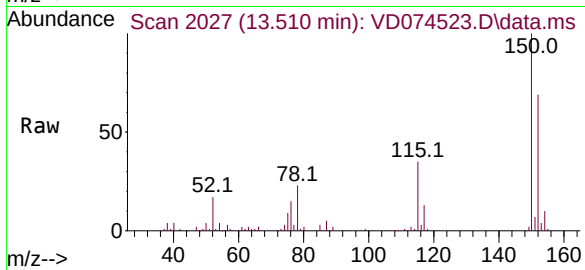




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.510 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VD074523.D  
 Acq: 13 Oct 2022 12:21

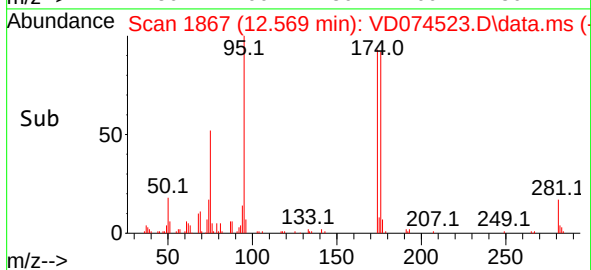
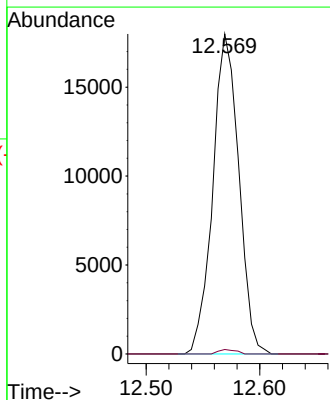
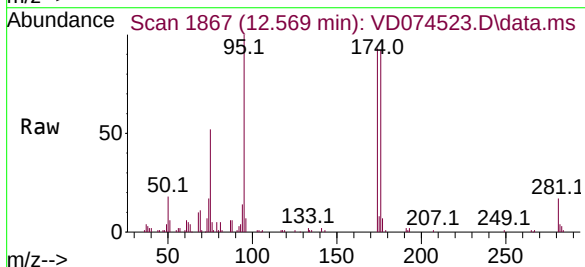
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
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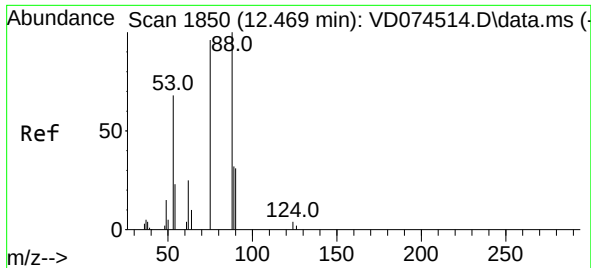
Tgt Ion:152 Resp: 64965  
 Ion Ratio Lower Upper  
 152 100  
 115 54.9 26.8 80.4  
 150 153.5 0.0 348.2



#76  
 1,2,3-Trichloropropane  
 Concen: 51.600 ug/l  
 RT: 12.569 min Scan# 1867  
 Delta R.T. -0.147 min  
 Lab File: VD074523.D  
 Acq: 13 Oct 2022 12:21

Tgt Ion: 75 Resp: 28648  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 185.8 557.5#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 130.888 ug/l  
RT: 12.569 min Scan# 11  
Delta R.T. 0.106 min  
Lab File: VD074523.D  
Acq: 13 Oct 2022 12:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1013SBL01

Tgt Ion: 75 Resp: 28648  
Ion Ratio Lower Upper  
75 100  
53 0.0 63.8 95.6#  
89 0.0 38.2 57.4#

