

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111524\  
 Data File : VD080030.D  
 Acq On : 15 Nov 2024 17:40  
 Operator : RP/MD  
 Sample : P4836-03  
 Misc : 5.08G/5ml/MSVOA\_D/SOIL/A  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Nov 15 18:35:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D111524S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 15 16:25:47 2024  
 Response via : Initial Calibration

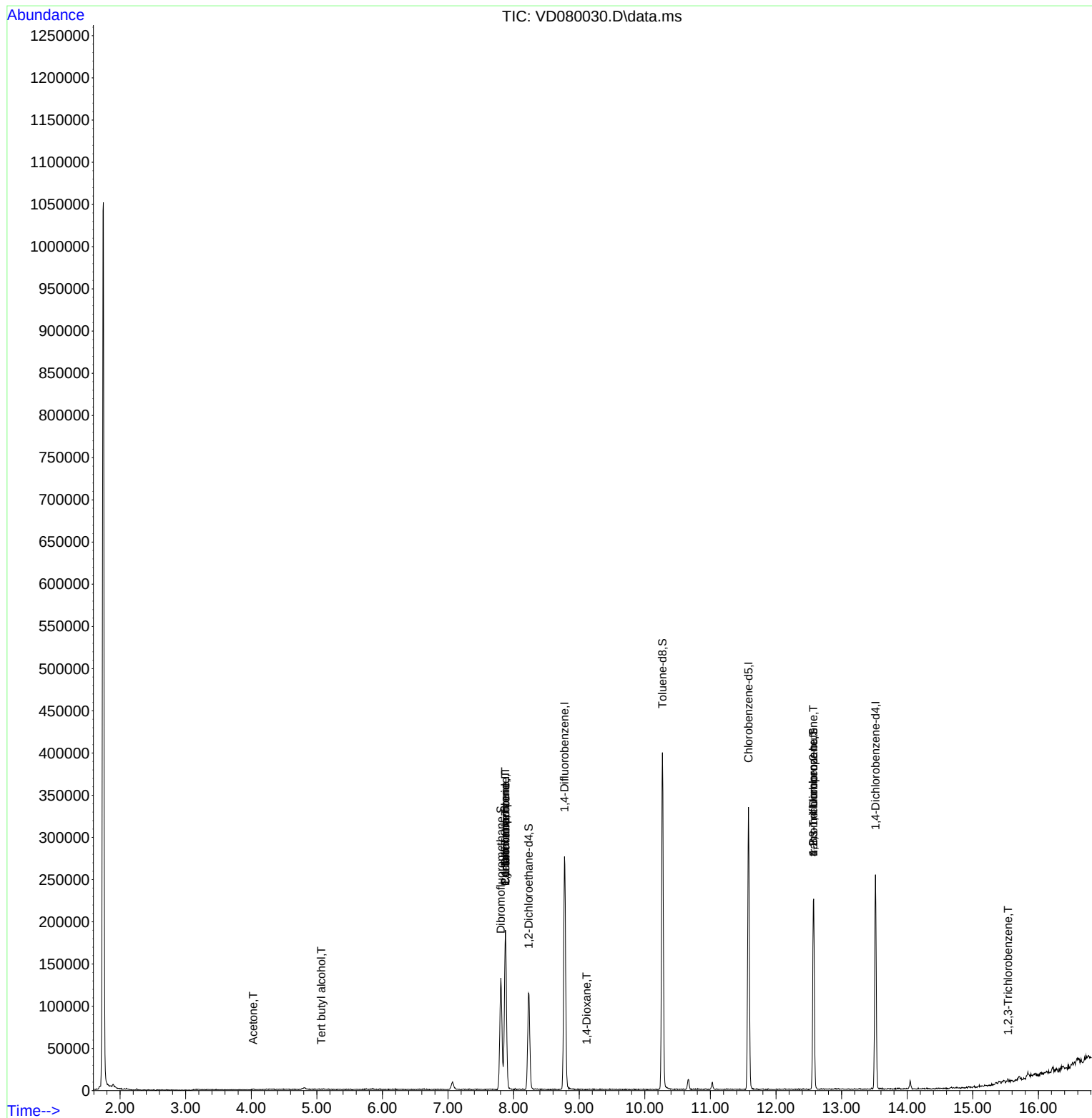
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.875  | 168   | 147596   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.775  | 114   | 250602   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.581 | 117   | 192066   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 70888    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.228  | 65    | 89722    | 59.041    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 118.080% |          |
| 35) Dibromofluoromethane      | 7.805  | 113   | 92260    | 55.317    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 110.640% |          |
| 50) Toluene-d8                | 10.269 | 98    | 281432   | 44.771    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 89.540%  |          |
| 62) 4-Bromofluorobenzene      | 12.569 | 95    | 71772    | 34.800    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 69.600%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 5) Bromomethane               | 2.705  | 94    | 95       | Below Cal | #          | 21       |
| 11) Tert butyl alcohol        | 5.069  | 59    | 318      | 4.021     | ug/l #     | 82       |
| 16) Acetone                   | 4.028  | 43    | 783      | 2.375     | ug/l #     | 64       |
| 31) Cyclohexane               | 7.875  | 56    | 3226     | 1.304     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.875  | 75    | 10687    | 4.686     | ug/l #     | 46       |
| 38) Carbon Tetrachloride      | 7.875  | 117   | 13634    | 5.472     | ug/l #     | 19       |
| 49) 1,4-Dioxane               | 9.110  | 88    | 66       | 7.241     | ug/l #     | 21       |
| 76) 1,2,3-Trichloropropane    | 12.569 | 75    | 35732    | 57.084    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.569 | 75    | 35732    | 116.830   | ug/l #     | 15       |
| 96) 1,2,3-Trichlorobenzene    | 15.539 | 180   | 1245     | 1.078     | ug/l #     | 27       |
| -----                         |        |       |          |           |            |          |

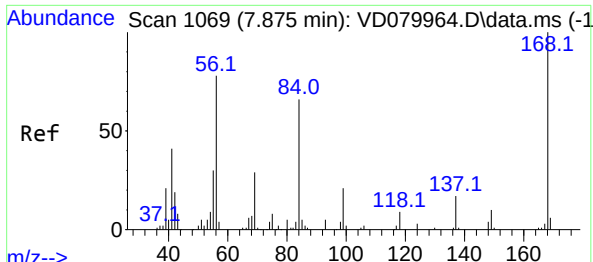
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111524\  
Data File : VD080030.D  
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Sample : P4836-03  
Misc : 5.08G/5ml/MSVOA\_D/SOIL/A  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

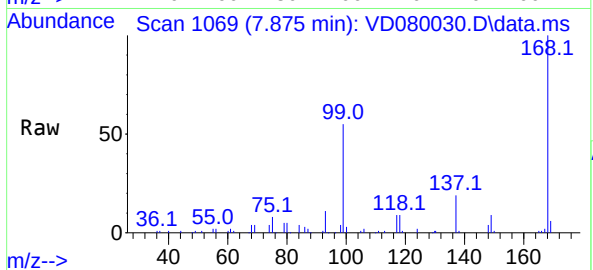
Quant Time: Nov 15 18:35:58 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D111524S.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 15 16:25:47 2024  
Response via : Initial Calibration



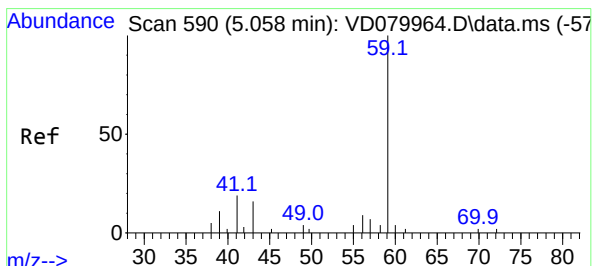
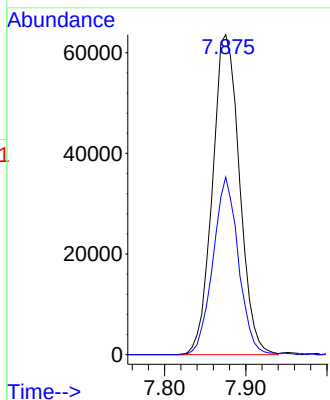
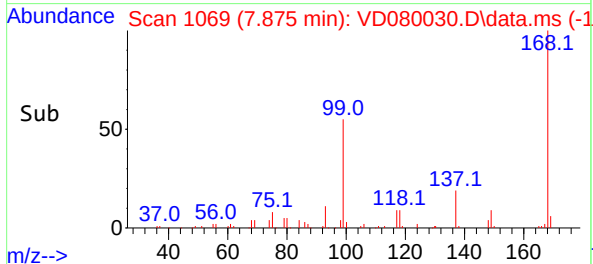


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD080030.D  
Acq: 15 Nov 2024 17:40

Instrument :  
MSVOA\_D  
ClientSampleId :

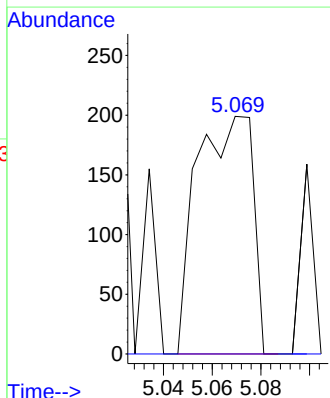
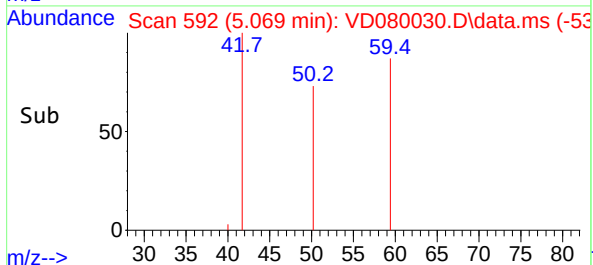
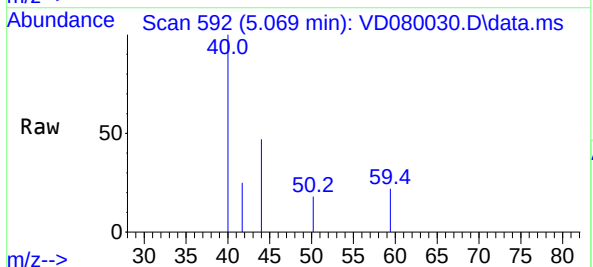


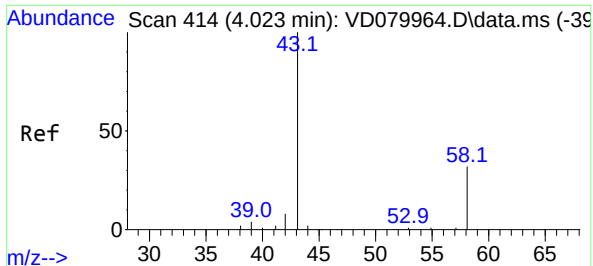
Tgt Ion:168 Resp: 147596  
Ion Ratio Lower Upper  
168 100  
99 55.5 46.0 69.0



#11  
Tert butyl alcohol  
Concen: 4.021 ug/l  
RT: 5.069 min Scan# 592  
Delta R.T. 0.011 min  
Lab File: VD080030.D  
Acq: 15 Nov 2024 17:40

Tgt Ion: 59 Resp: 318  
Ion Ratio Lower Upper  
59 100  
57 0.0 4.8 7.2#

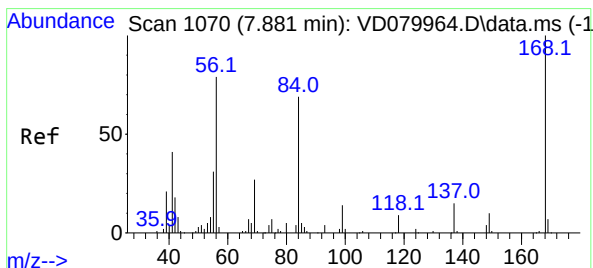
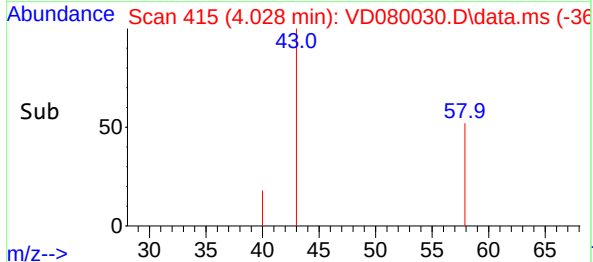
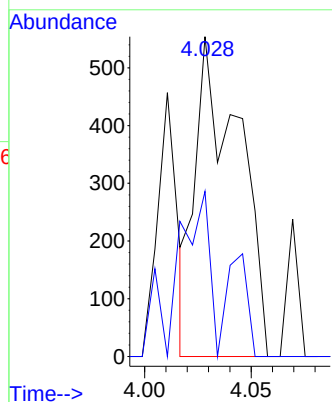
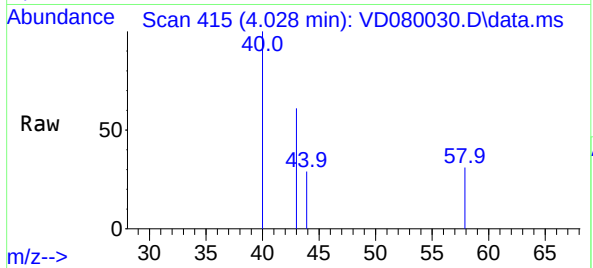




#16  
Acetone  
Concen: 2.375 ug/l  
RT: 4.028 min Scan# 41  
Delta R.T. 0.005 min  
Lab File: VD080030.D  
Acq: 15 Nov 2024 17:40

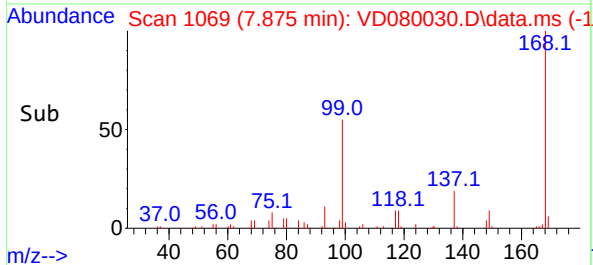
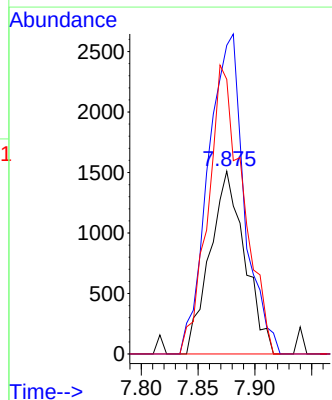
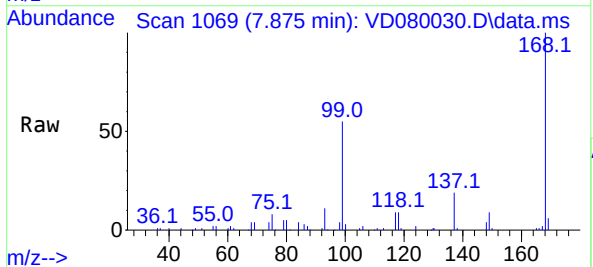
Instrument :  
MSVOA\_D  
ClientSampleId :

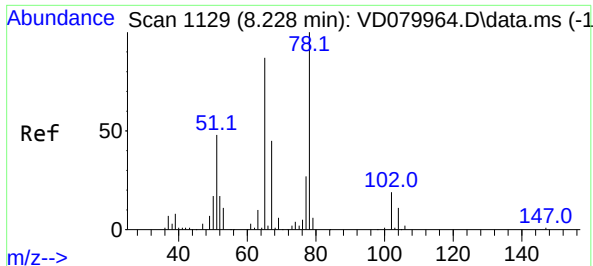
Tgt Ion: 43 Resp: 783  
Ion Ratio Lower Upper  
43 100  
58 51.6 25.4 38.2#



#31  
Cyclohexane  
Concen: 1.304 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.006 min  
Lab File: VD080030.D  
Acq: 15 Nov 2024 17:40

Tgt Ion: 56 Resp: 3226  
Ion Ratio Lower Upper  
56 100  
69 168.8 27.3 40.9#  
84 150.2 70.2 105.4#

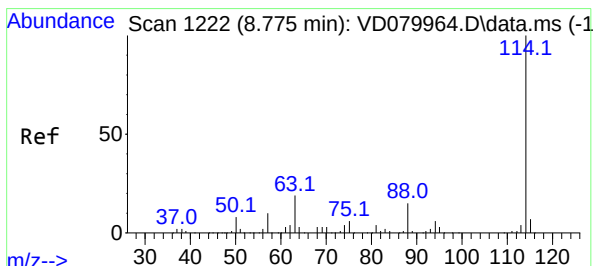
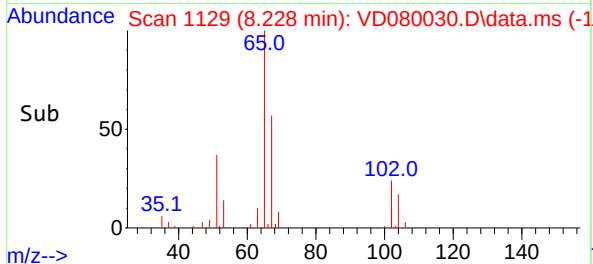
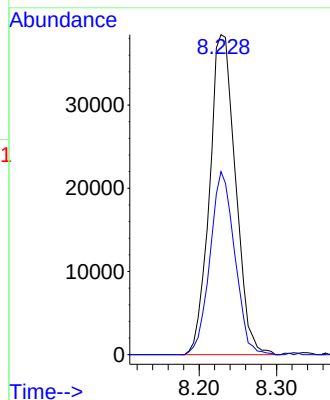
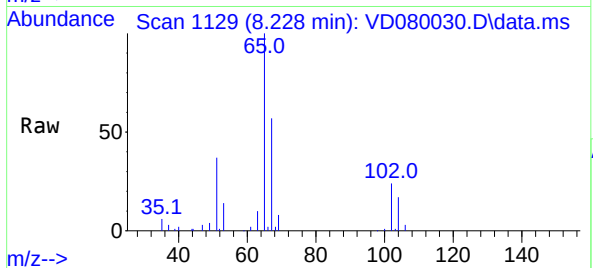




#33  
1,2-Dichloroethane-d4  
Concen: 59.041 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. 0.000 min  
Lab File: VD080030.D  
Acq: 15 Nov 2024 17:40

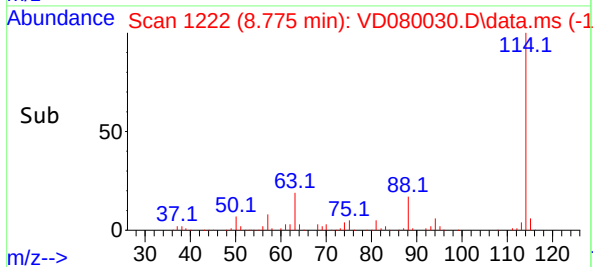
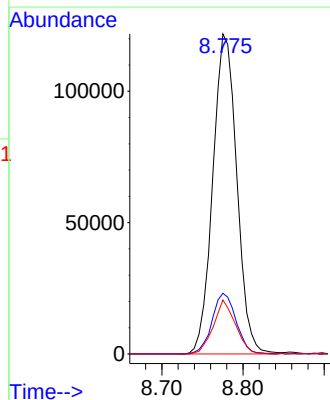
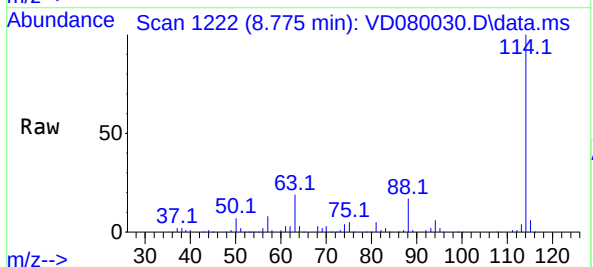
Instrument :  
MSVOA\_D  
ClientSampleId :

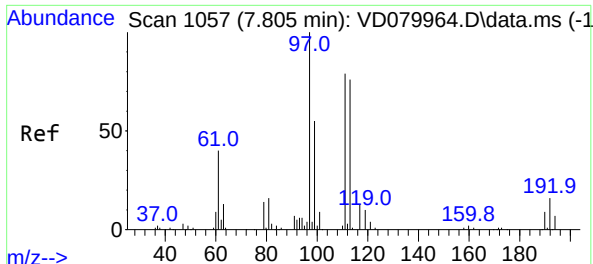
Tgt Ion: 65 Resp: 89722  
Ion Ratio Lower Upper  
65 100  
67 54.5 0.0 109.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 1222  
Delta R.T. 0.000 min  
Lab File: VD080030.D  
Acq: 15 Nov 2024 17:40

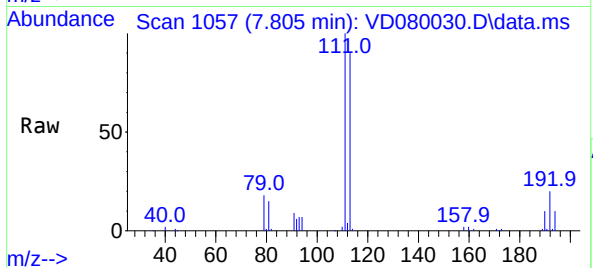
Tgt Ion: 114 Resp: 250602  
Ion Ratio Lower Upper  
114 100  
63 19.0 0.0 38.8  
88 16.9 0.0 30.6



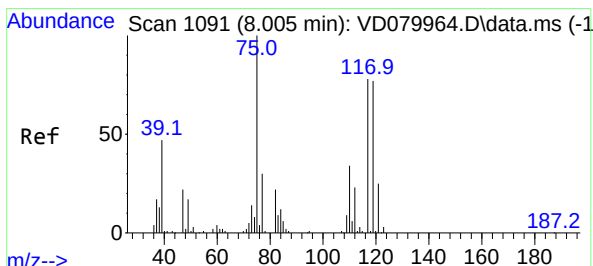
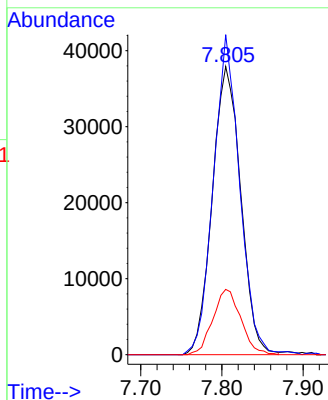
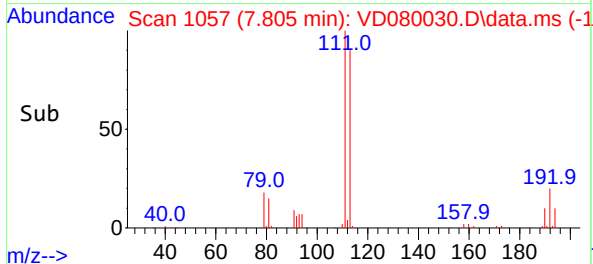


#35  
Dibromofluoromethane  
Concen: 55.317 ug/l  
RT: 7.805 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VD080030.D  
Acq: 15 Nov 2024 17:40

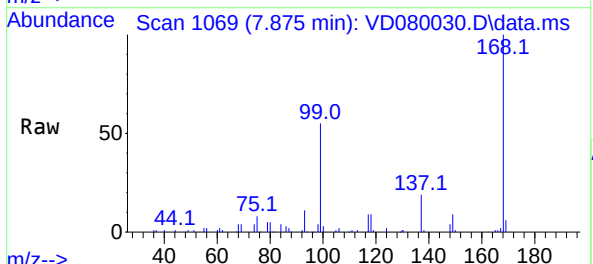
Instrument :  
MSVOA\_D  
ClientSampleId :



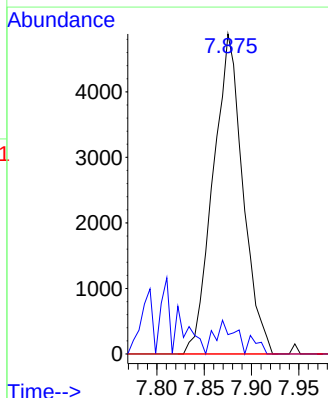
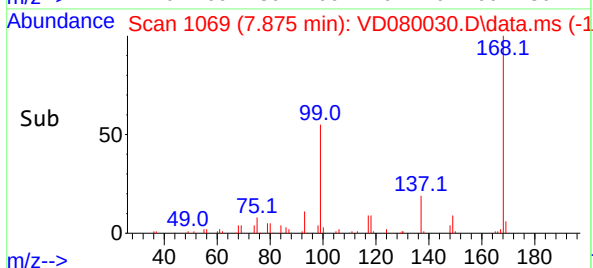
Tgt Ion:113 Resp: 92260  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.5 123.7  
192 22.3 16.6 25.0

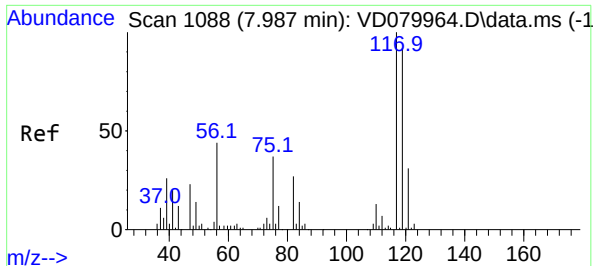


#36  
1,1-Dichloropropene  
Concen: 4.686 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.130 min  
Lab File: VD080030.D  
Acq: 15 Nov 2024 17:40



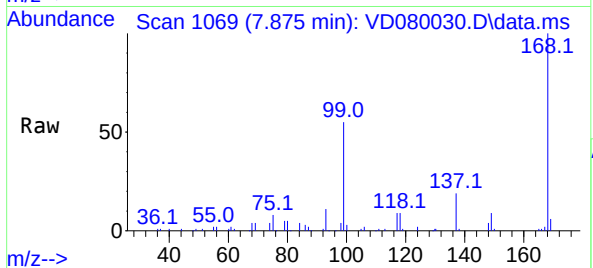
Tgt Ion: 75 Resp: 10687  
Ion Ratio Lower Upper  
75 100  
110 6.8 18.4 55.0#  
77 0.0 25.6 38.4#



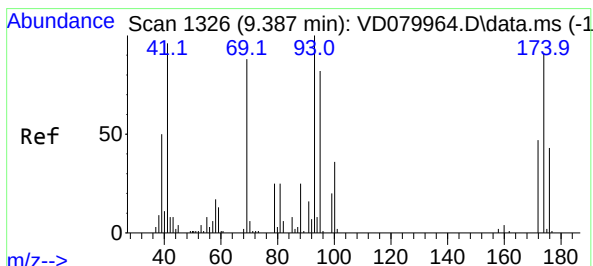
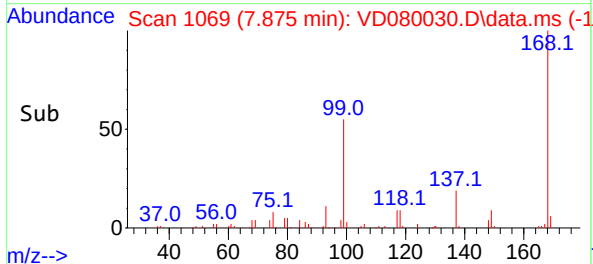
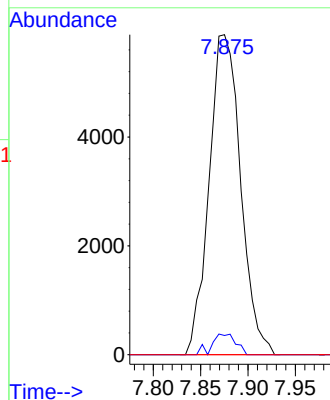


#38  
Carbon Tetrachloride  
Concen: 5.472 ug/l  
RT: 7.875 min Scan# 10  
Delta R.T. -0.112 min  
Lab File: VD080030.D  
Acq: 15 Nov 2024 17:40

Instrument :  
MSVOA\_D  
ClientSampleId :

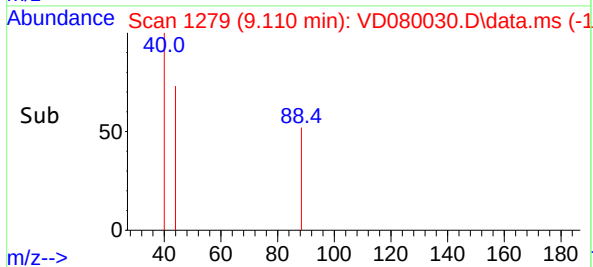
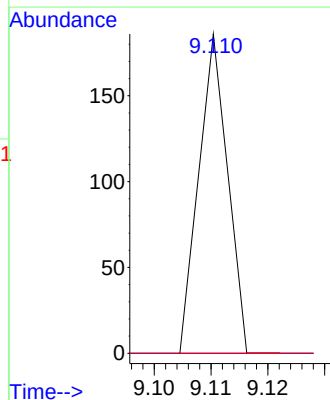
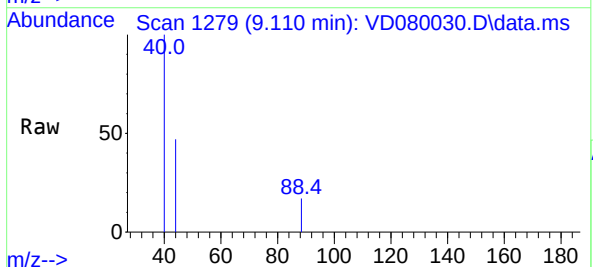


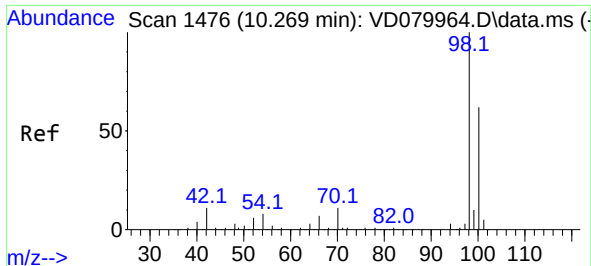
Tgt Ion:117 Resp: 13634  
Ion Ratio Lower Upper  
117 100  
119 6.0 73.4 110.0#  
121 0.0 24.5 36.7#



#49  
1,4-Dioxane  
Concen: 7.241 ug/l  
RT: 9.110 min Scan# 1279  
Delta R.T. -0.277 min  
Lab File: VD080030.D  
Acq: 15 Nov 2024 17:40

Tgt Ion: 88 Resp: 66  
Ion Ratio Lower Upper  
88 100  
43 0.0 29.1 43.7#  
58 0.0 59.9 89.9#

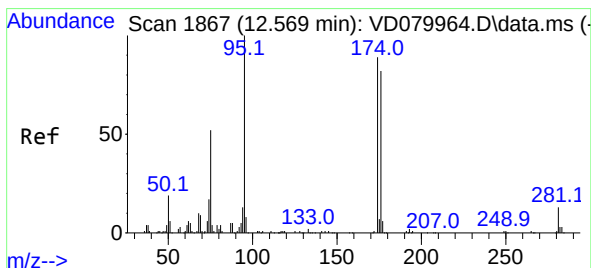
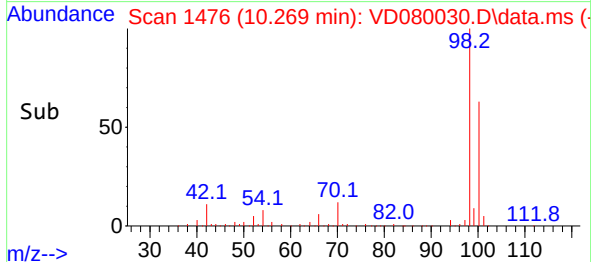
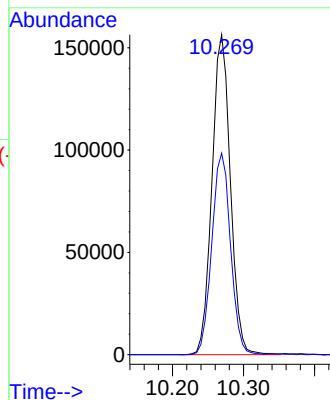
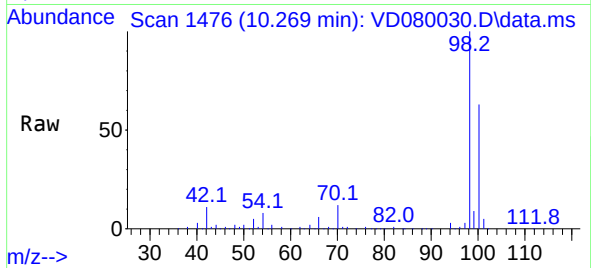




#50  
Toluene-d8  
Concen: 44.771 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD080030.D  
Acq: 15 Nov 2024 17:40

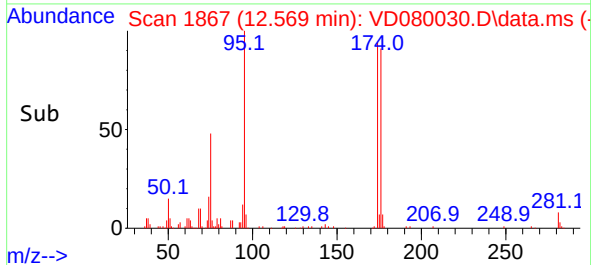
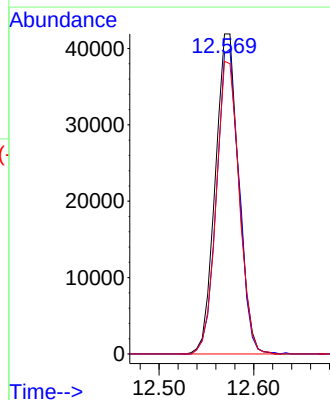
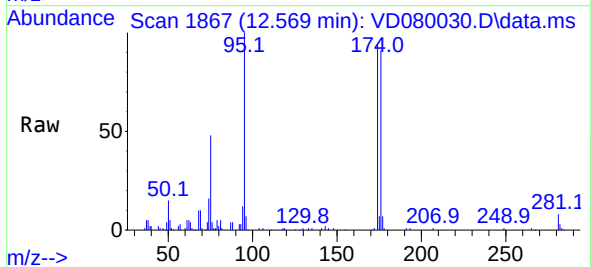
Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 98 Resp: 281432  
Ion Ratio Lower Upper  
98 100  
100 64.0 50.2 75.4

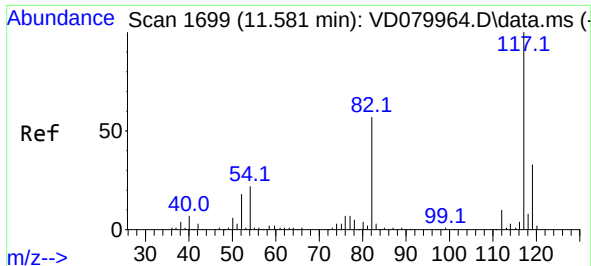


#62  
4-Bromofluorobenzene  
Concen: 34.800 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VD080030.D  
Acq: 15 Nov 2024 17:40

Tgt Ion: 95 Resp: 71772  
Ion Ratio Lower Upper  
95 100  
174 91.8 0.0 173.4  
176 90.0 0.0 166.6

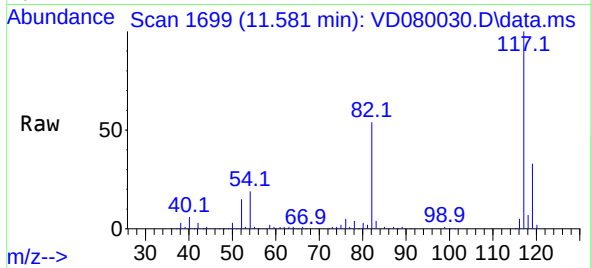




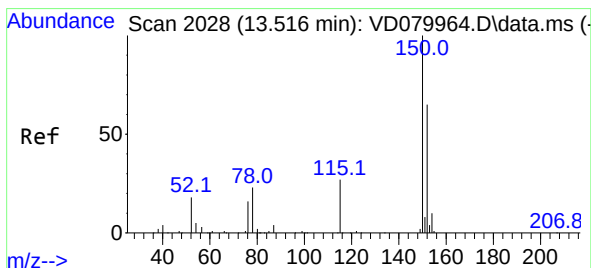
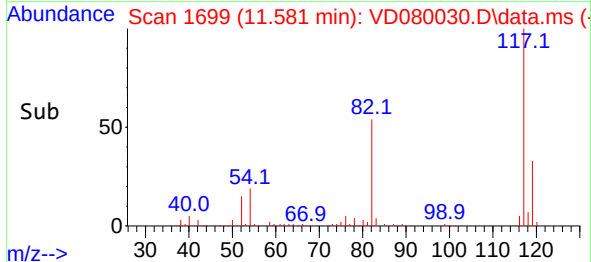
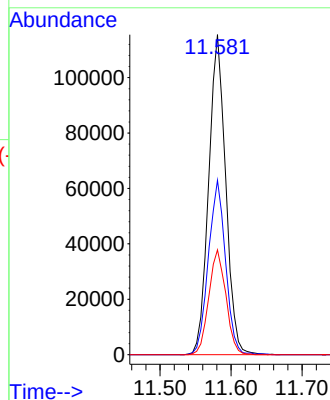


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD080030.D  
Acq: 15 Nov 2024 17:40

Instrument :  
MSVOA\_D  
ClientSampleId :

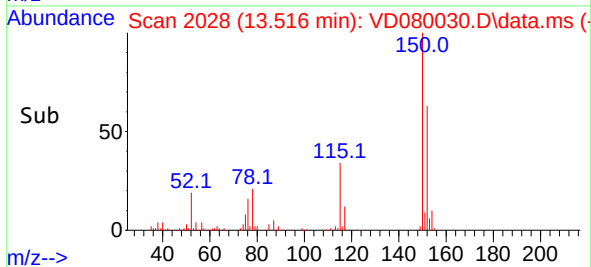
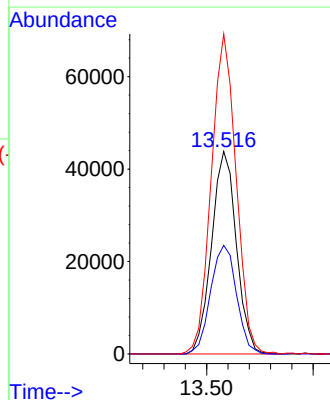
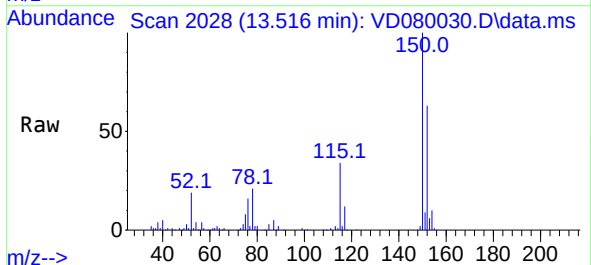


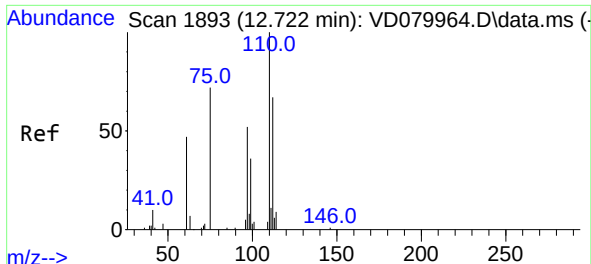
Tgt Ion:117 Resp: 192066  
Ion Ratio Lower Upper  
117 100  
82 54.5 45.8 68.6  
119 32.7 26.2 39.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.000 min  
Lab File: VD080030.D  
Acq: 15 Nov 2024 17:40

Tgt Ion:152 Resp: 70888  
Ion Ratio Lower Upper  
152 100  
115 55.8 28.9 86.8  
150 157.9 0.0 354.8

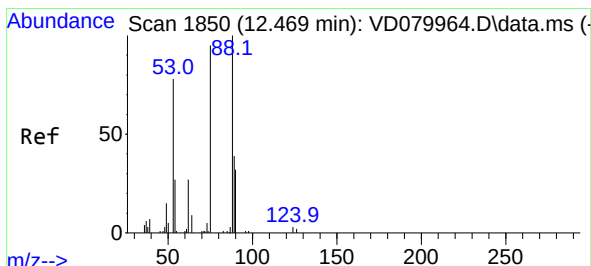
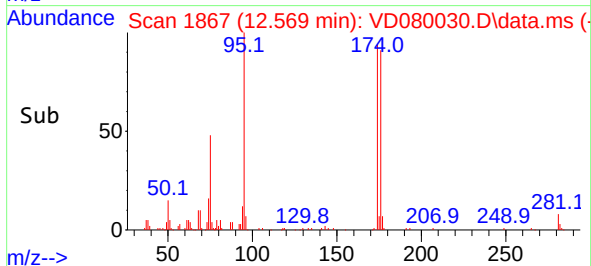
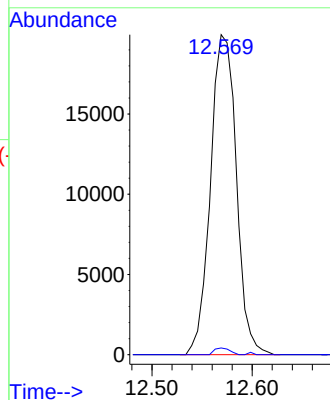
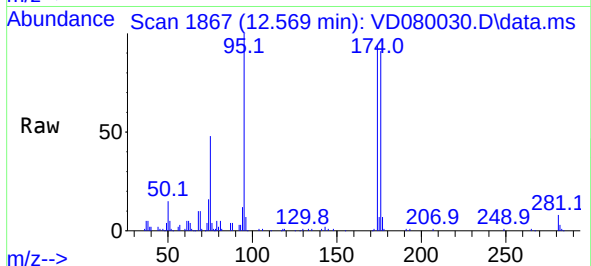




#76  
1,2,3-Trichloropropane  
Concen: 57.084 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.153 min  
Lab File: VD080030.D  
Acq: 15 Nov 2024 17:40

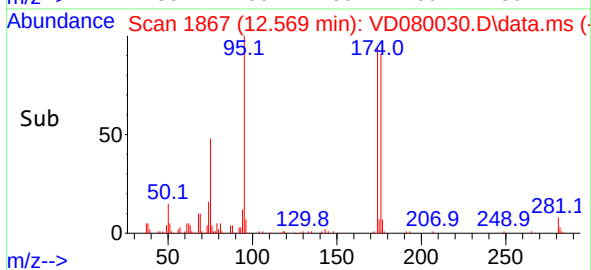
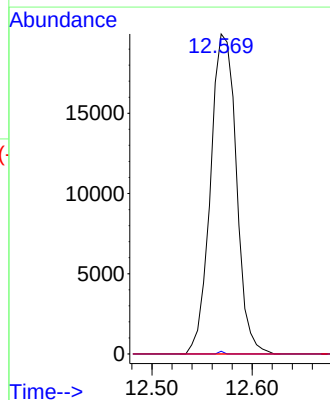
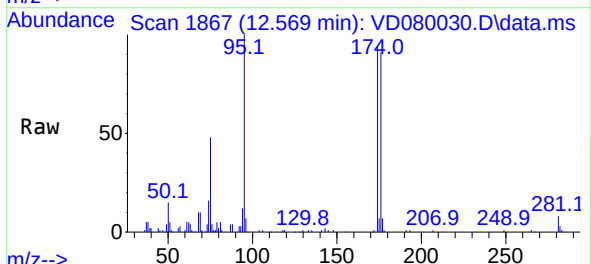
Instrument :  
MSVOA\_D  
ClientSampleId :

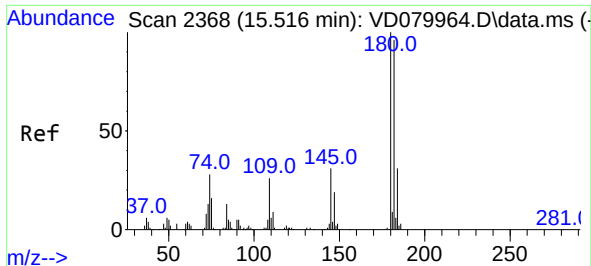
Tgt Ion: 75 Resp: 35732  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 116.830 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.100 min  
Lab File: VD080030.D  
Acq: 15 Nov 2024 17:40

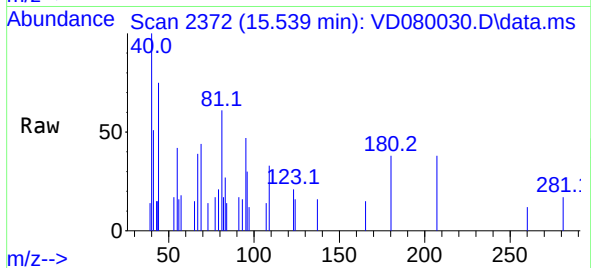
Tgt Ion: 75 Resp: 35732  
Ion Ratio Lower Upper  
75 100  
53 0.2 68.7 103.1#  
89 0.0 36.1 54.1#





#96  
1,2,3-Trichlorobenzene  
Concen: 1.078 ug/l  
RT: 15.539 min Scan# 21  
Delta R.T. 0.023 min  
Lab File: VD080030.D  
Acq: 15 Nov 2024 17:40

Instrument :  
MSVOA\_D  
ClientSampleId :



Tgt Ion:180 Resp: 1245  
Ion Ratio Lower Upper  
180 100  
182 16.2 47.5 142.6#  
145 4.3 15.7 47.0#

