

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053124\  
 Data File : VD079112.D  
 Acq On : 31 May 2024 17:14  
 Operator : RP/MD  
 Sample : P2642-01  
 Misc : 4.96G/10ml/MSVOA\_D/SOIL/A  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Jun 01 00:37:56 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Jun 01 00:34:30 2024  
 Response via : Initial Calibration

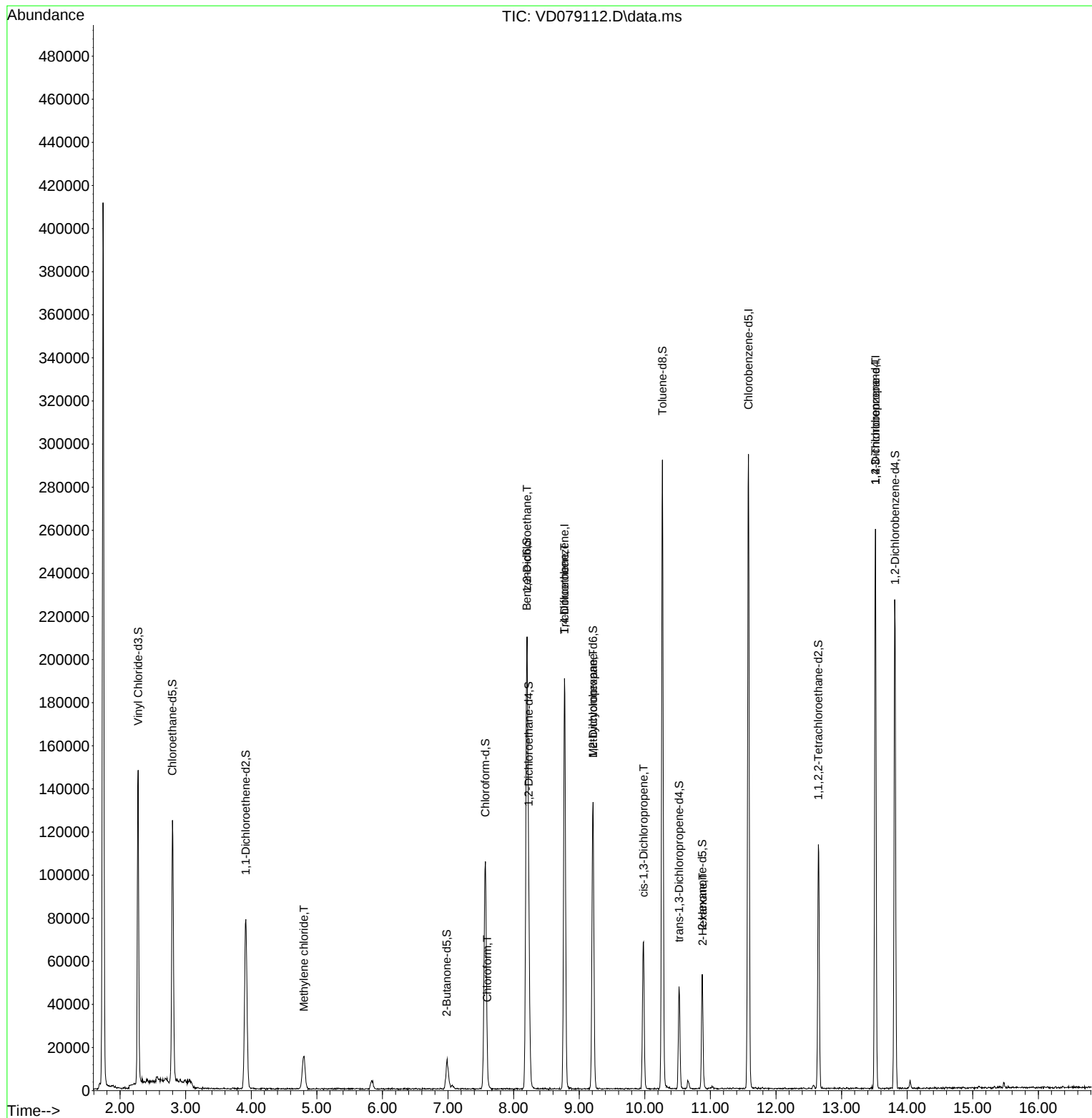
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114            | 183178   | 25.000 | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117            | 187365   | 25.000 | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152            | 76057    | 25.000 | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 2.275  | 65             | 137786   | 24.444 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range 30 - 150 | Recovery | =      | 97.760%  |          |
| 7) Chloroethane-d5            | 2.799  | 69             | 128216   | 23.524 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range 30 - 150 | Recovery | =      | 94.080%  |          |
| 11) 1,1-Dichloroethene-d2     | 3.917  | 65             | 22518    | 22.503 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range 45 - 110 | Recovery | =      | 90.000%  |          |
| 21) 2-Butanone-d5             | 6.981  | 46             | 22480    | 52.139 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 20 - 135 | Recovery | =      | 104.280% |          |
| 24) Chloroform-d              | 7.569  | 84             | 116428   | 22.732 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range 40 - 150 | Recovery | =      | 90.920%  |          |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65             | 57549    | 24.357 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range 70 - 130 | Recovery | =      | 97.440%  |          |
| 32) Benzene-d6                | 8.199  | 84             | 240258   | 23.131 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range 20 - 135 | Recovery | =      | 92.520%  |          |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67             | 68610    | 22.931 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range 70 - 120 | Recovery | =      | 91.720%  |          |
| 41) Toluene-d8                | 10.269 | 98             | 209830   | 21.576 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range 30 - 130 | Recovery | =      | 86.320%  |          |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79             | 27827    | 22.127 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range 30 - 135 | Recovery | =      | 88.520%  |          |
| 47) 2-Hexanone-d5             | 10.875 | 63             | 19224    | 49.701 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 20 - 135 | Recovery | =      | 99.400%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.645 | 84             | 59541    | 22.467 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range 45 - 120 | Recovery | =      | 89.880%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152            | 66824    | 25.458 | ug/L     | 0.00     |
| Spiked Amount                 | 25.000 | Range 75 - 120 | Recovery | =      | 101.840% |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          | Qvalue   |
| 16) Methylene chloride        | 4.805  | 84             | 13870    | 4.249  | ug/L     | 86       |
| 25) Chloroform                | 7.599  | 83             | 961      | 0.192  | ug/L     | 94       |
| 27) 1,2-Dichloroethane        | 8.204  | 62             | 1117     | 0.384  | ug/L #   | 72       |
| 34) Trichloroethene           | 8.775  | 95             | 4934     | 1.717  | ug/L #   | 1        |
| 35) Methylcyclohexane         | 9.210  | 83             | 16466    | 3.457  | ug/L #   | 24       |
| 39) cis-1,3-Dichloropropene   | 9.981  | 75             | 1960     | 0.459  | ug/L #   | 65       |
| 48) 2-Hexanone                | 10.881 | 43             | 1759     | 1.781  | ug/L #   | 55       |
| 61) 1,2,3-Trichloropropane    | 13.516 | 75             | 8785     | 6.542  | ug/L #   | 59       |
| -----                         |        |                |          |        |          |          |

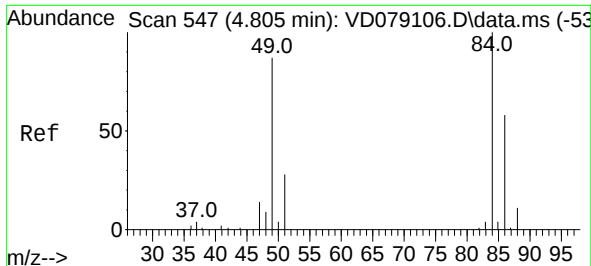
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Sat Jun 01 00:34:30 2024  
Response via : Initial Calibration





#16

Methylene chloride

Concen: 4.249 ug/L

RT: 4.805 min Scan# 547

Delta R.T. 0.000 min

Lab File: VD079112.D

Acq: 31 May 2024 17:14

Instrument :

MSVOA\_D

ClientSampleId :

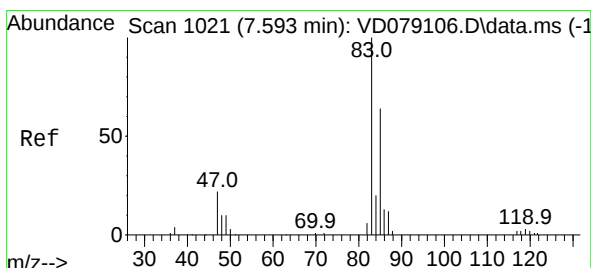
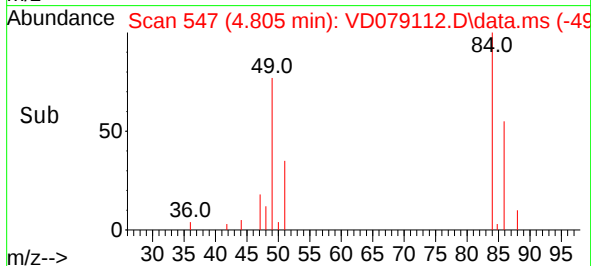
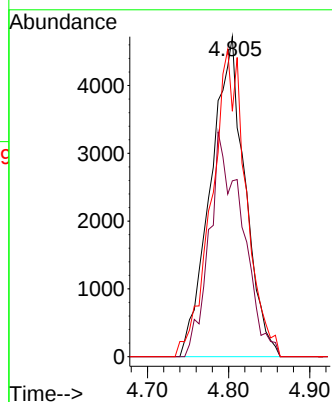
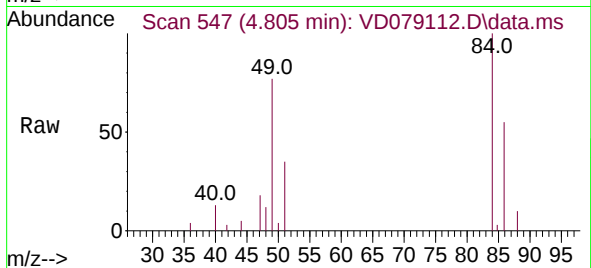
Tgt Ion: 84 Resp: 13870

Ion Ratio Lower Upper

84 100

86 54.9 40.9 76.0

49 76.7 67.5 125.3



#25

Chloroform

Concen: 0.192 ug/L

RT: 7.599 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VD079112.D

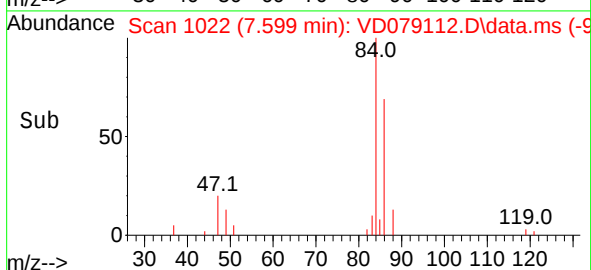
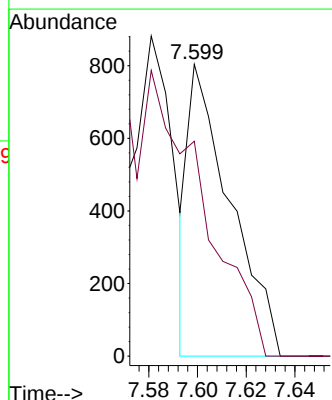
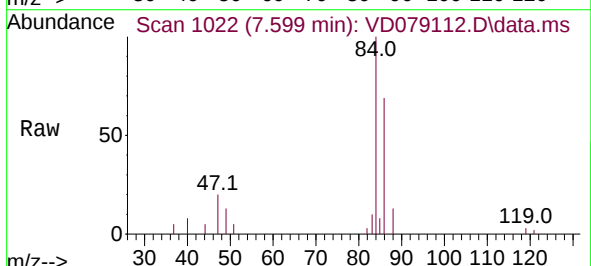
Acq: 31 May 2024 17:14

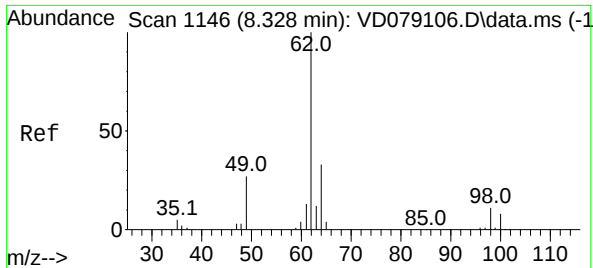
Tgt Ion: 83 Resp: 961

Ion Ratio Lower Upper

83 100

85 73.6 47.9 89.1

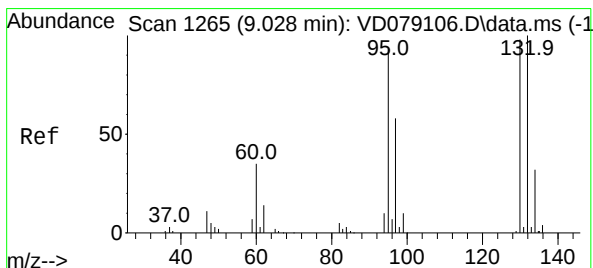
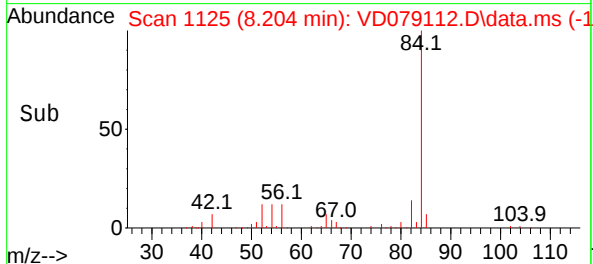
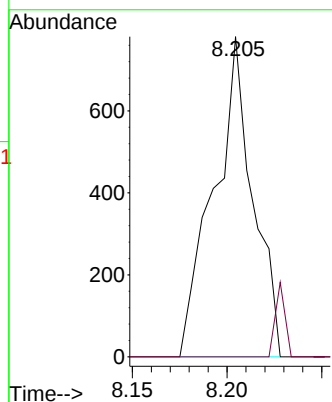
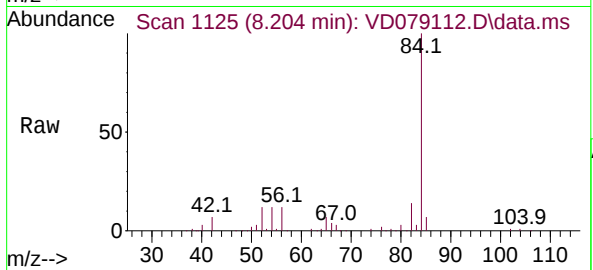




#27  
1,2-Dichloroethane  
Concen: 0.384 ug/L  
RT: 8.204 min Scan# 1117  
Delta R.T. -0.123 min  
Lab File: VD079112.D  
Acq: 31 May 2024 17:14

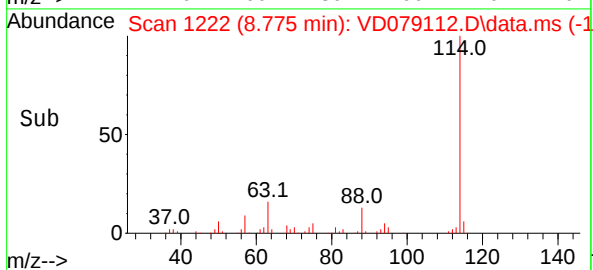
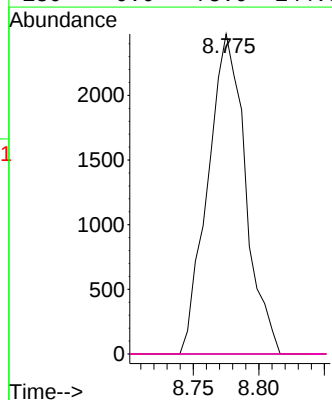
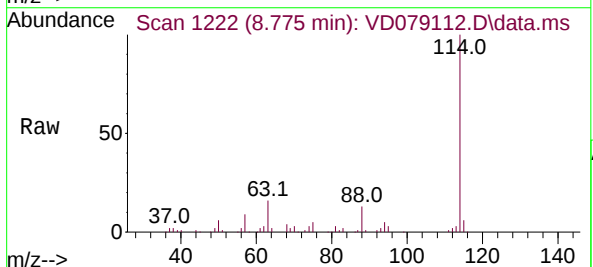
Instrument :  
MSVOA\_D  
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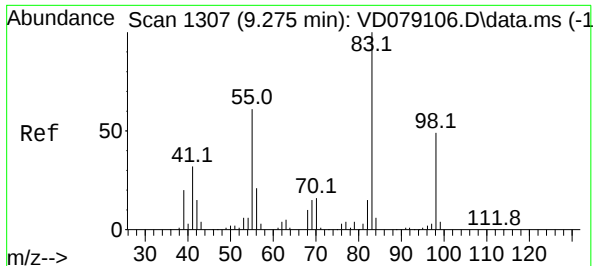
Tgt Ion: 62 Resp: 1117  
Ion Ratio Lower Upper  
62 100  
98 0.0 8.2 12.4#



#34  
Trichloroethene  
Concen: 1.717 ug/L  
RT: 8.775 min Scan# 1222  
Delta R.T. -0.253 min  
Lab File: VD079112.D  
Acq: 31 May 2024 17:14

Tgt Ion: 95 Resp: 4934  
Ion Ratio Lower Upper  
95 100  
97 0.0 44.6 82.8#  
132 0.0 74.9 139.1#  
130 0.0 78.0 144.8#

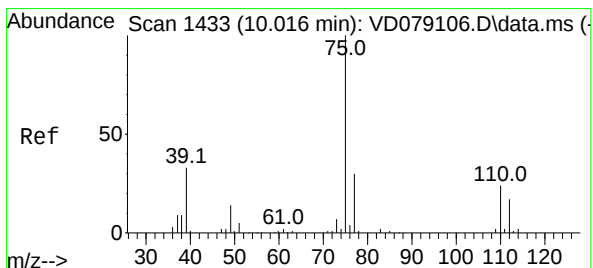
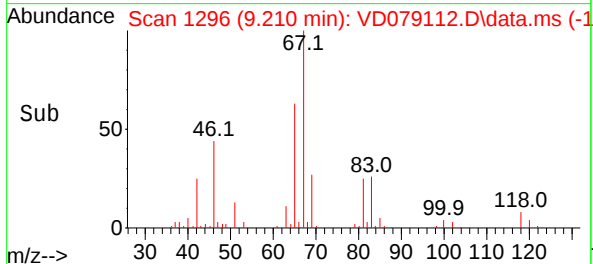
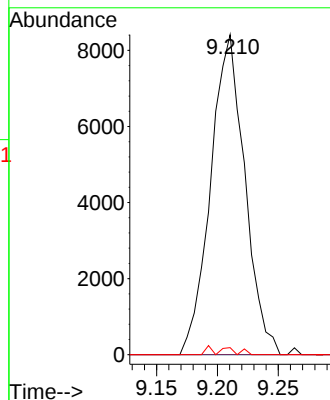
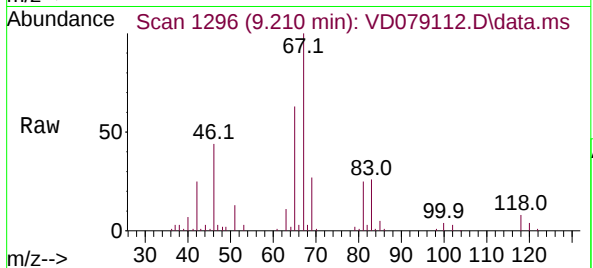




#35  
Methylcyclohexane  
Concen: 3.457 ug/L  
RT: 9.210 min Scan# 1427  
Delta R.T. -0.065 min  
Lab File: VD079112.D  
Acq: 31 May 2024 17:14

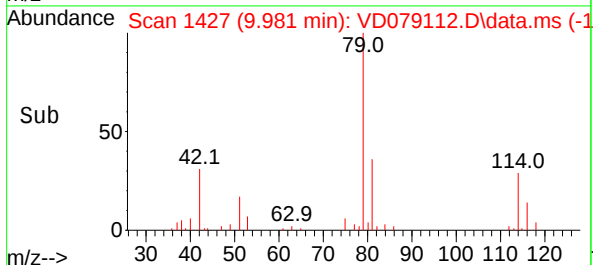
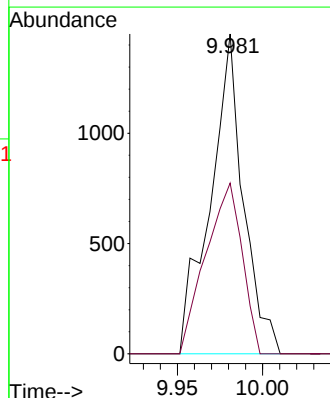
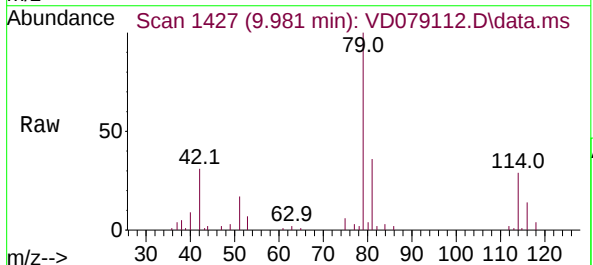
Instrument :  
MSVOA\_D  
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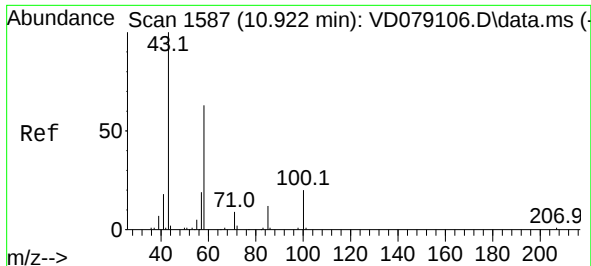
| Tgt Ion: | 83    | Resp: | 16466 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.0   | 48.6  | 72.8# |
| 98       | 0.7   | 40.2  | 60.2# |



#39  
cis-1,3-Dichloropropene  
Concen: 0.459 ug/L  
RT: 9.981 min Scan# 1427  
Delta R.T. -0.035 min  
Lab File: VD079112.D  
Acq: 31 May 2024 17:14

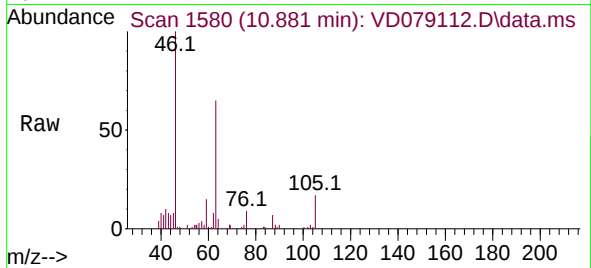
| Tgt Ion: | 75    | Resp: | 1960  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 53.4  | 23.4  | 43.4# |



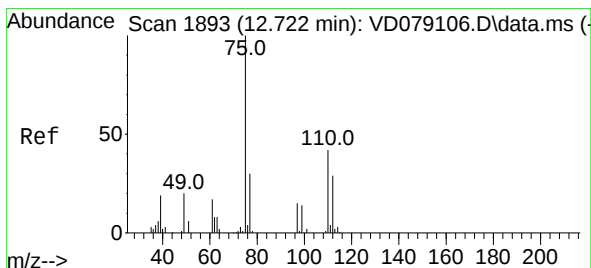
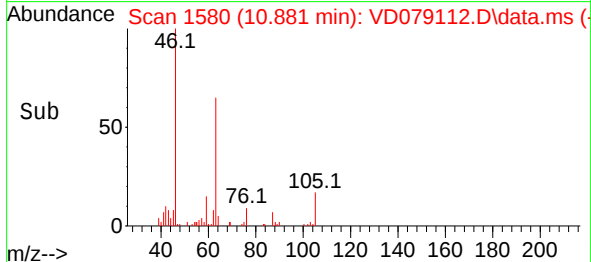
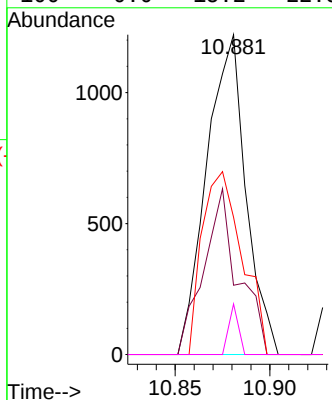


#48  
2-Hexanone  
Concen: 1.781 ug/L  
RT: 10.881 min Scan# 1759  
Delta R.T. -0.041 min  
Lab File: VD079112.D  
Acq: 31 May 2024 17:14

Instrument :  
MSVOA\_D  
ClientSampleId :



Tgt Ion: 43 Resp: 1759  
Ion Ratio Lower Upper  
43 100  
58 35.8 50.1 75.1#  
57 58.4 16.5 24.7#  
100 0.0 15.2 22.8#



#61  
1,2,3-Trichloropropane  
Concen: 6.542 ug/L  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.794 min  
Lab File: VD079112.D  
Acq: 31 May 2024 17:14

Tgt Ion: 75 Resp: 8785  
Ion Ratio Lower Upper  
75 100  
77 28.7 25.9 38.9  
110 0.0 34.2 51.4#

