

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD040323\  
 Data File : VD075564.D  
 Acq On : 03 Apr 2023 10:49  
 Operator : KP/SY  
 Sample : VD0403SBL01  
 Misc : 5.00G/10.00ml/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VBLK116

Quant Time: Apr 04 01:48:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM033123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Apr 01 00:08:20 2023  
 Response via : Initial Calibration

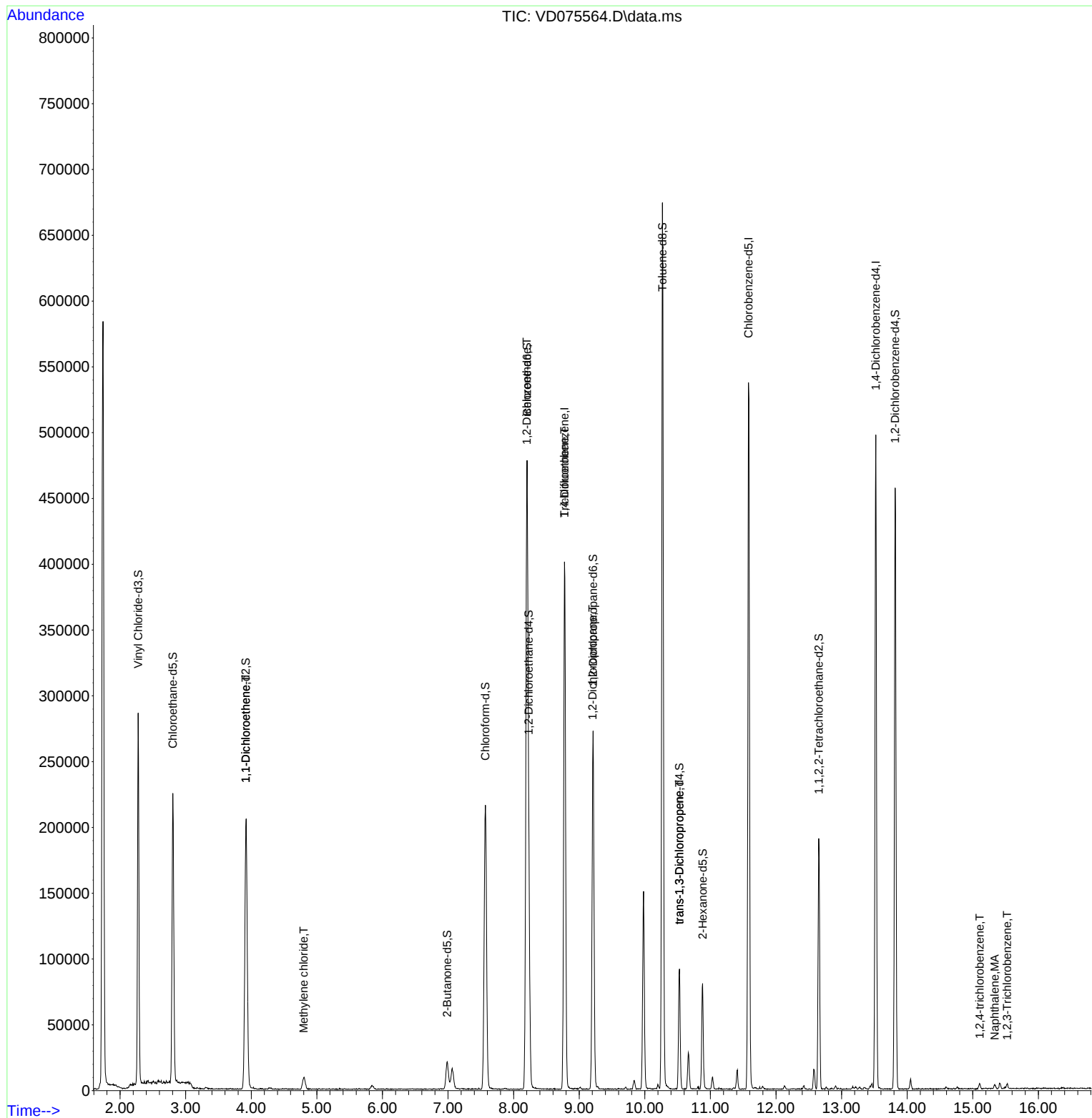
| Compound                      | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|--------|----------|
| -----                         |           |       |          |          |        |          |
| Internal Standards            |           |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.775     | 114   | 395688   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581    | 117   | 346419   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.522    | 152   | 141365   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |           |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.275     | 65    | 267703   | 29.058   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | =      | 116.240% |
| 7) Chloroethane-d5            | 2.805     | 69    | 237347   | 28.952   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | =      | 115.800% |
| 11) 1,1-Dichloroethene-d2     | 3.917     | 63    | 171711   | 23.107   | ug/L   | -0.01    |
| Spiked Amount                 | 25.000    | Range | 45 - 110 | Recovery | =      | 92.440%  |
| 21) 2-Butanone-d5             | 6.987     | 46    | 33987    | 56.649   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | =      | 113.300% |
| 24) Chloroform-d              | 7.569     | 84    | 241617   | 25.900   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000    | Range | 40 - 150 | Recovery | =      | 103.600% |
| 26) 1,2-Dichloroethane-d4     | 8.228     | 65    | 101958   | 24.662   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 130 | Recovery | =      | 98.640%  |
| 32) Benzene-d6                | 8.205     | 84    | 528545   | 26.098   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000    | Range | 20 - 135 | Recovery | =      | 104.400% |
| 36) 1,2-Dichloropropane-d6    | 9.210     | 67    | 138073   | 25.582   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 120 | Recovery | =      | 102.320% |
| 41) Toluene-d8                | 10.269    | 98    | 494351   | 26.032   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 130 | Recovery | =      | 104.120% |
| 43) trans-1,3-Dichloroprop... | 10.528    | 79    | 56520    | 25.120   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 135 | Recovery | =      | 100.480% |
| 47) 2-Hexanone-d5             | 10.881    | 63    | 29944    | 46.883   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | =      | 93.760%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651    | 84    | 100263   | 24.797   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 120 | Recovery | =      | 99.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.816    | 152   | 131936   | 27.207   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000    | Range | 75 - 120 | Recovery | =      | 108.840% |
| Target Compounds              |           |       |          |          |        |          |
|                               |           |       |          |          | Qvalue |          |
| 12) 1,1-Dichloroethene        | 3.917     | 96    | 1626     | 0.431    | ug/L # | 1        |
| 16) Methylene chloride        | 4.799     | 84    | 4603     | 0.846    | ug/L   | 94       |
| 27) 1,2-Dichloroethane        | 8.199     | 62    | 2202     | 0.518    | ug/L # | 67       |
| 34) Trichloroethene           | 8.775     | 95    | 10592    | 2.121    | ug/L # | 3        |
| 37) 1,2-Dichloropropane       | 9.204     | 63    | 14688    | 3.502    | ug/L # | 82       |
| 44) trans-1,3-Dichloropropene | 10.528    | 75    | 2695     | 0.477    | ug/L   | 93       |
| 70) 1,2,4-trichlorobenzene    | 15.104    | 180   | 1812     | 0.429    | ug/L # | 82       |
| 71) Naphthalene               | 15.334    | 128   | 4322     | 0.554    | ug/L # | 89       |
| 72) 1,2,3-Trichlorobenzene    | 15.522    | 180   | 2011     | 0.532    | ug/L # | 90       |
| -----                         |           |       |          |          |        |          |

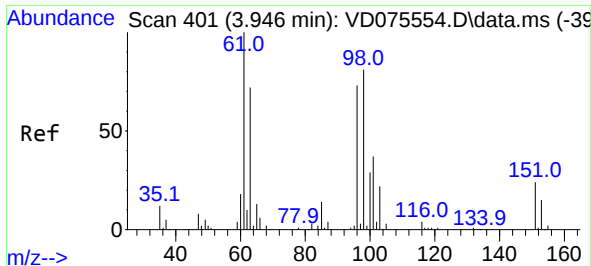
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VBLK116

Quant Time: Apr 04 01:48:47 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM033123SMA.M  
Quant Title : SFAM01.0  
QLast Update : Sat Apr 01 00:08:20 2023  
Response via : Initial Calibration

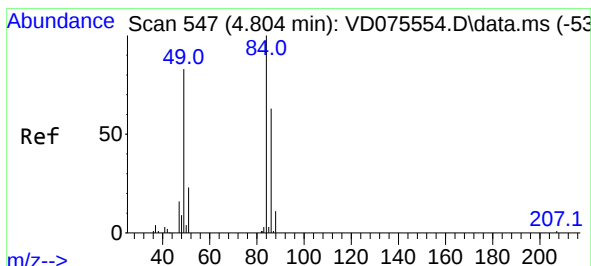
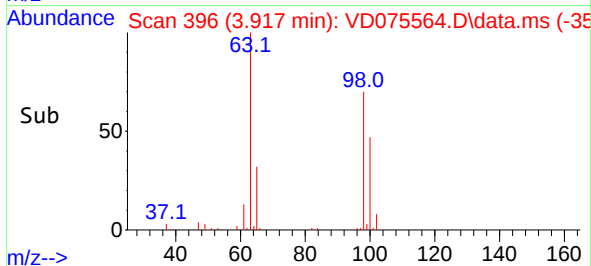
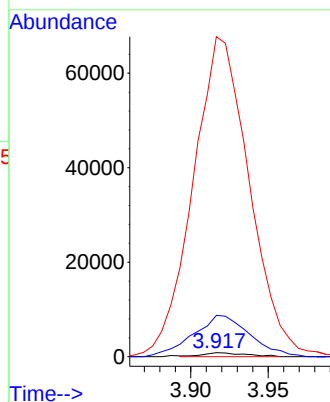
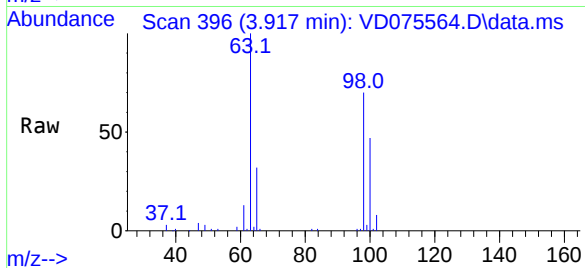




#12  
1,1-Dichloroethene  
Concen: 0.431 ug/L  
RT: 3.917 min Scan# 396  
Delta R.T. -0.029 min  
Lab File: VD075564.D  
Acq: 03 Apr 2023 10:49

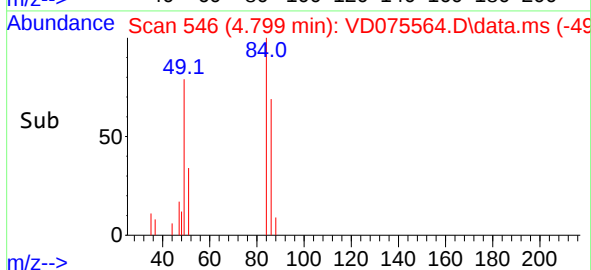
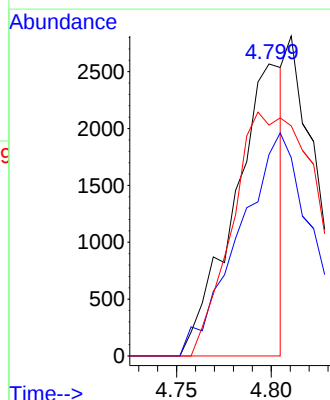
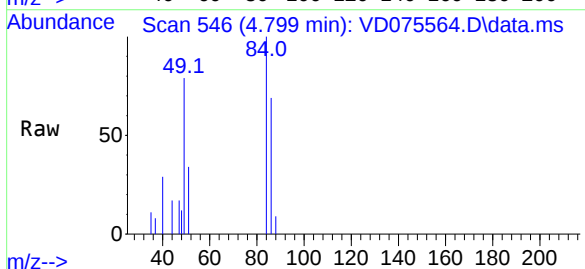
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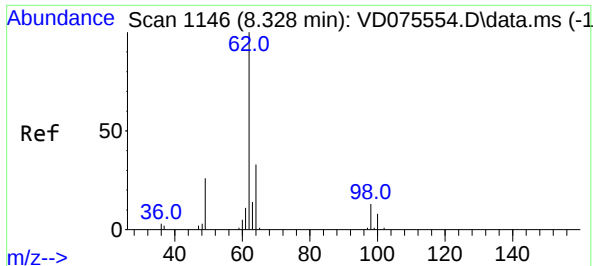
Tgt Ion: 96 Resp: 1626  
Ion Ratio Lower Upper  
96 100  
61 1030.8 96.7 179.7#  
63 7997.2 76.0 141.2#



#16  
Methylene chloride  
Concen: 0.846 ug/L  
RT: 4.799 min Scan# 546  
Delta R.T. -0.006 min  
Lab File: VD075564.D  
Acq: 03 Apr 2023 10:49

Tgt Ion: 84 Resp: 4603  
Ion Ratio Lower Upper  
84 100  
86 69.0 44.4 82.4  
49 79.0 58.5 108.7

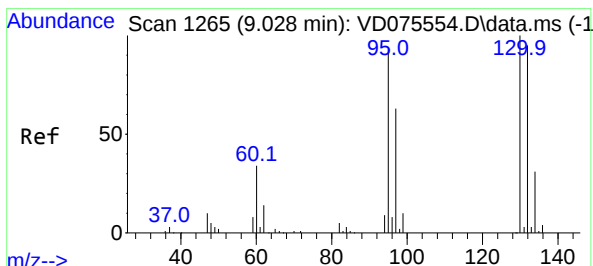
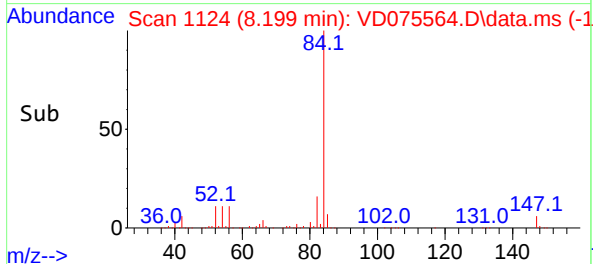
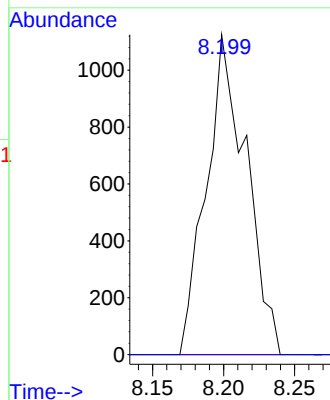
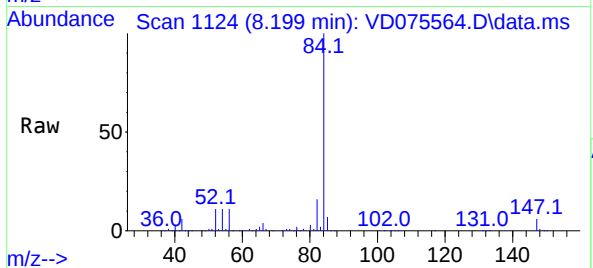




#27  
1,2-Dichloroethane  
Concen: 0.518 ug/L  
RT: 8.199 min Scan# 1146  
Delta R.T. -0.129 min  
Lab File: VD075554.D  
Acq: 03 Apr 2023 10:49

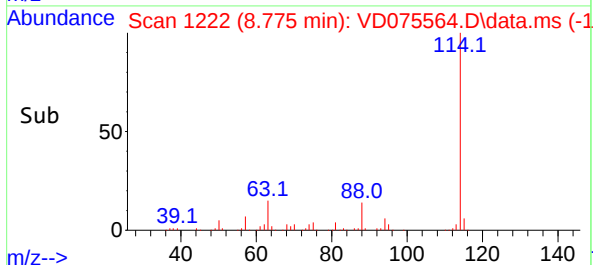
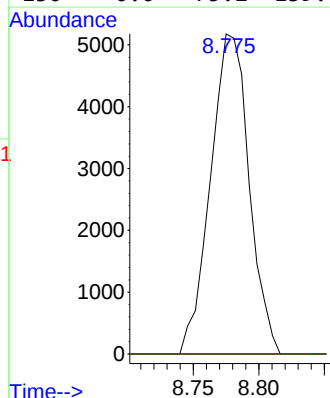
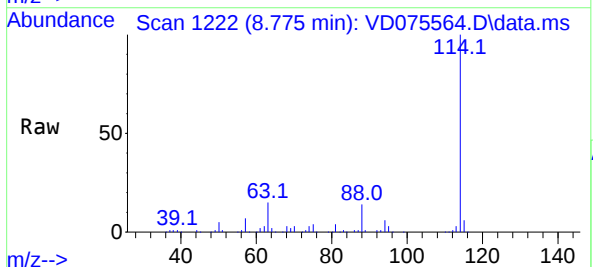
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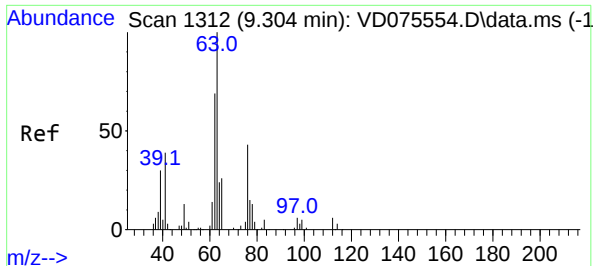
Tgt Ion: 62 Resp: 2202  
Ion Ratio Lower Upper  
62 100  
98 0.0 10.5 15.7#



#34  
Trichloroethene  
Concen: 2.121 ug/L  
RT: 8.775 min Scan# 1222  
Delta R.T. -0.253 min  
Lab File: VD075564.D  
Acq: 03 Apr 2023 10:49

Tgt Ion: 95 Resp: 10592  
Ion Ratio Lower Upper  
95 100  
97 0.0 47.0 87.2#  
132 0.0 71.2 132.2#  
130 0.0 75.2 139.6#

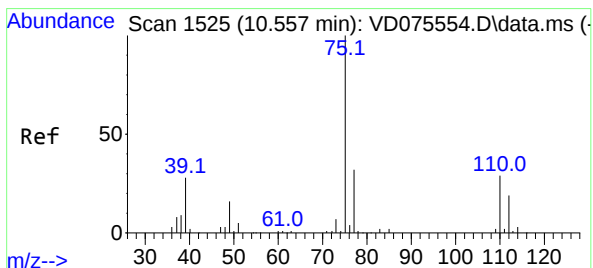
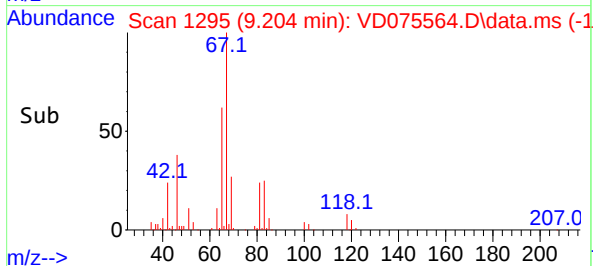
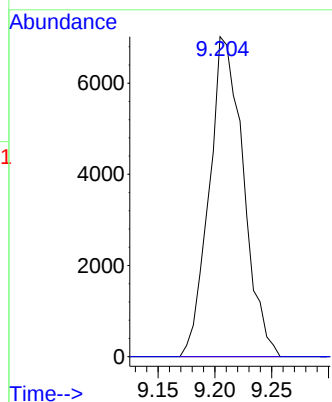
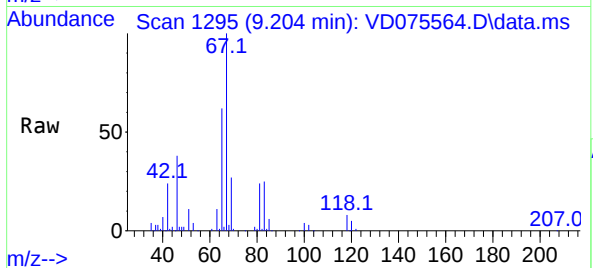




#37  
1,2-Dichloropropane  
Concen: 3.502 ug/L  
RT: 9.204 min Scan# 11  
Delta R.T. -0.100 min  
Lab File: VD075564.D  
Acq: 03 Apr 2023 10:49

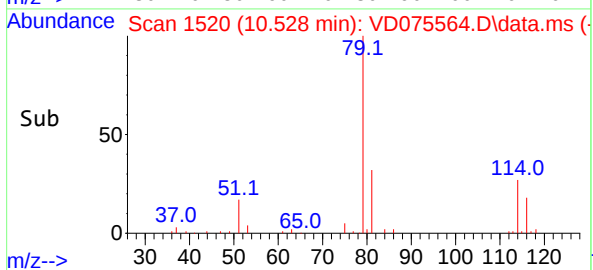
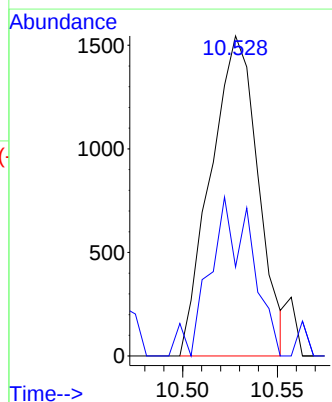
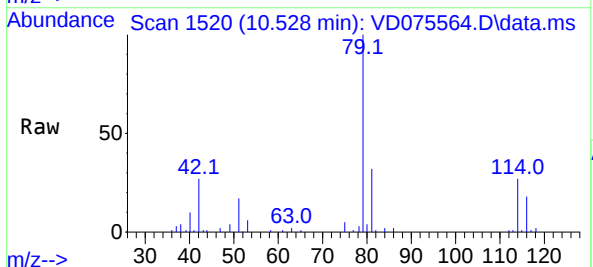
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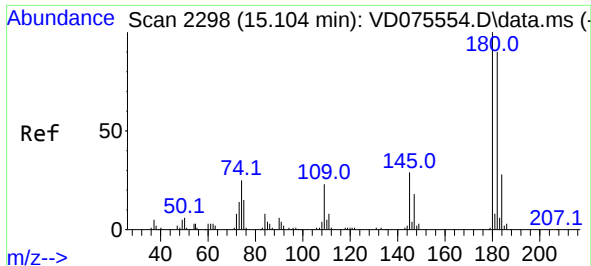
Tgt Ion: 63 Resp: 14688  
Ion Ratio Lower Upper  
63 100  
112 0.0 4.7 7.1#



#44  
trans-1,3-Dichloropropene  
Concen: 0.477 ug/L  
RT: 10.528 min Scan# 1520  
Delta R.T. -0.029 min  
Lab File: VD075564.D  
Acq: 03 Apr 2023 10:49

Tgt Ion: 75 Resp: 2695  
Ion Ratio Lower Upper  
75 100  
77 27.8 22.1 41.1

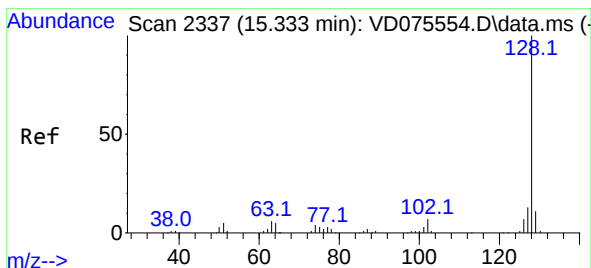
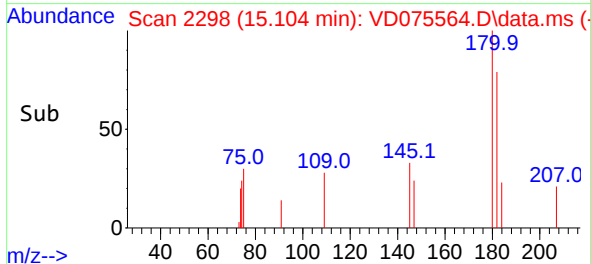
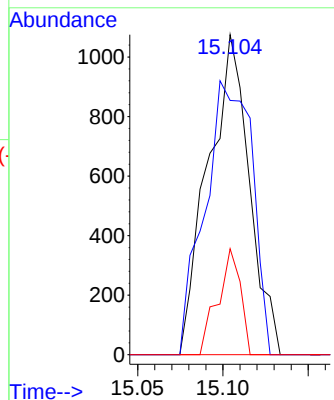
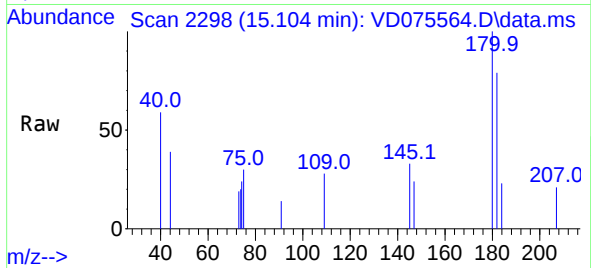




#70  
1,2,4-trichlorobenzene  
Concen: 0.429 ug/L  
RT: 15.104 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VD075564.D  
Acq: 03 Apr 2023 10:49

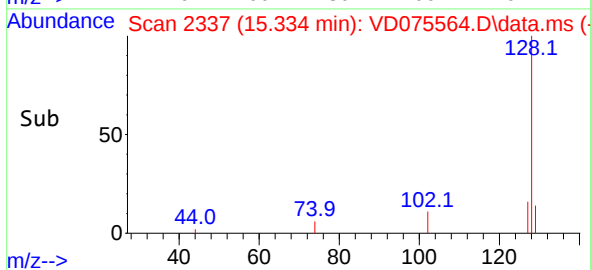
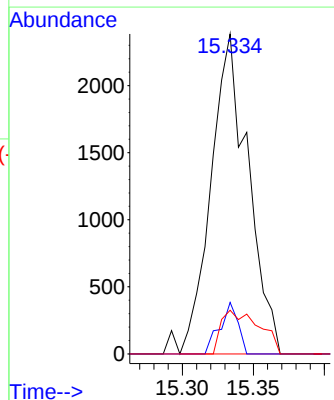
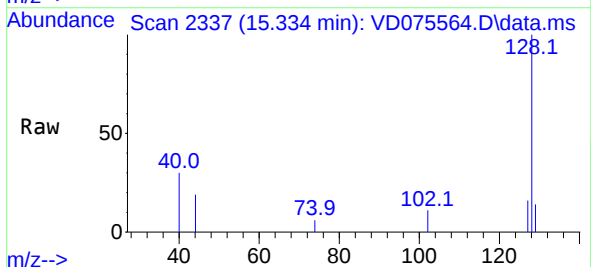
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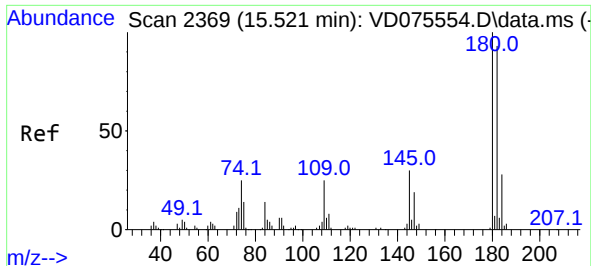
Tgt Ion:180 Resp: 1812  
Ion Ratio Lower Upper  
180 100  
182 76.2 74.2 111.2  
145 18.2 22.9 34.3#



#71  
Naphthalene  
Concen: 0.554 ug/L  
RT: 15.334 min Scan# 2337  
Delta R.T. 0.000 min  
Lab File: VD075564.D  
Acq: 03 Apr 2023 10:49

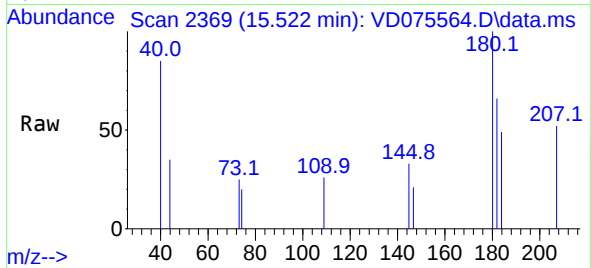
Tgt Ion:128 Resp: 4322  
Ion Ratio Lower Upper  
128 100  
127 7.9 10.3 15.5#  
129 14.0 8.5 12.7#





#72  
 1,2,3-Trichlorobenzene  
 Concen: 0.532 ug/L  
 RT: 15.522 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VD075554.D  
 Acq: 03 Apr 2023 10:49

Instrument :  
 MSVOA\_D  
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Tgt Ion:180 Resp: 2011  
 Ion Ratio Lower Upper  
 180 100  
 182 86.7 75.4 113.0  
 145 22.1 25.2 37.8#

