

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD050323\  
 Data File : VD075977.D  
 Acq On : 03 May 2023 11:15  
 Operator : KP/SY  
 Sample : VD0503SBL01  
 Misc : 5.00G/10.00ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VBLK124

Quant Time: May 04 03:07:20 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM042023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu May 04 02:54:49 2023  
 Response via : Initial Calibration

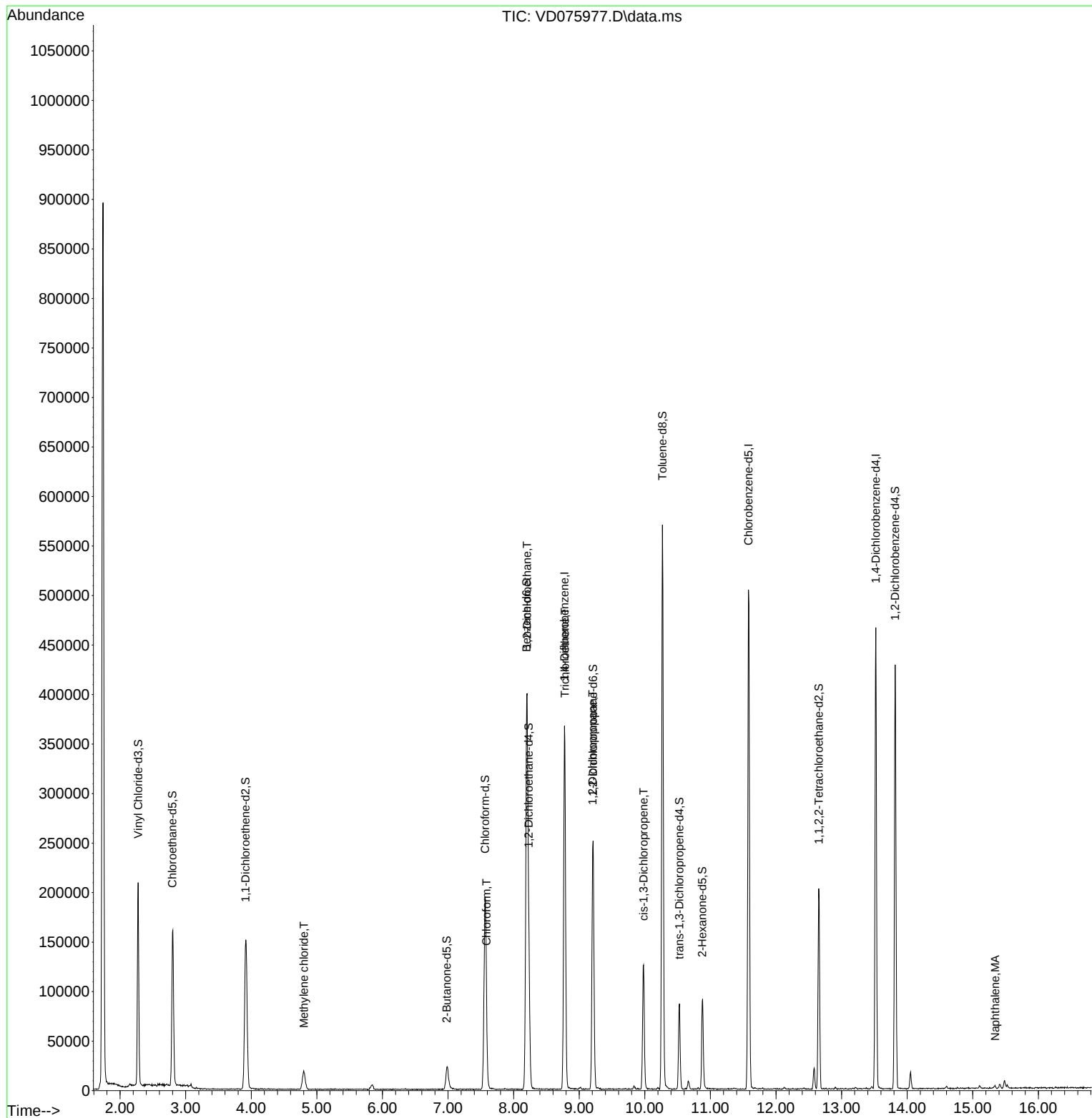
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114   | 358411   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 330740   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.522 | 152   | 134611   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.276  | 65    | 190827   | 24.270   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 97.080%  |
| 7) Chloroethane-d5            | 2.799  | 69    | 172255   | 25.356   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 101.440% |
| 11) 1,1-Dichloroethene-d2     | 3.911  | 65    | 43363    | 23.922   | ug/L   | -0.01    |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 95.680%  |
| 21) 2-Butanone-d5             | 6.981  | 46    | 38720    | 56.727   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 113.460% |
| 24) Chloroform-d              | 7.563  | 84    | 215715   | 24.068   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 96.280%  |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 99362    | 25.960   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 103.840% |
| 32) Benzene-d6                | 8.199  | 84    | 460830   | 23.906   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 95.640%  |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 134680   | 25.241   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 100.960% |
| 41) Toluene-d8                | 10.269 | 98    | 417795   | 23.150   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 92.600%  |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79    | 50873    | 23.067   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 92.280%  |
| 47) 2-Hexanone-d5             | 10.875 | 63    | 32860    | 51.148   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 102.300% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 104762   | 25.658   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 102.640% |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 125238   | 26.303   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 105.200% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Methylene chloride        | 4.805  | 84    | 15741    | 2.165    | ug/L   | 95       |
| 25) Chloroform                | 7.587  | 83    | 5473     | 0.631    | ug/L   | 95       |
| 27) 1,2-Dichloroethane        | 8.205  | 62    | 1350     | 0.301    | ug/L # | 68       |
| 34) Trichloroethene           | 8.781  | 95    | 8452     | 1.634    | ug/L # | 2        |
| 37) 1,2-Dichloropropane       | 9.205  | 63    | 13060    | 2.842    | ug/L # | 85       |
| 39) cis-1,3-Dichloropropene   | 9.981  | 75    | 3544     | 0.485    | ug/L   | 95       |
| 71) Naphthalene               | 15.340 | 128   | 3132     | 0.361    | ug/L # | 94       |
| -----                         |        |       |          |          |        |          |

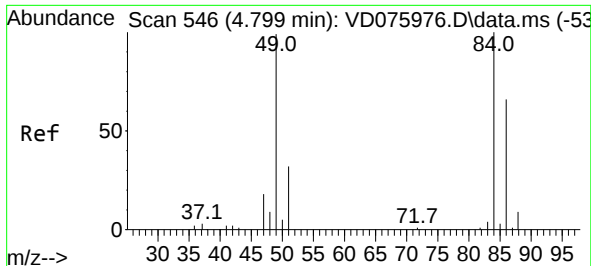
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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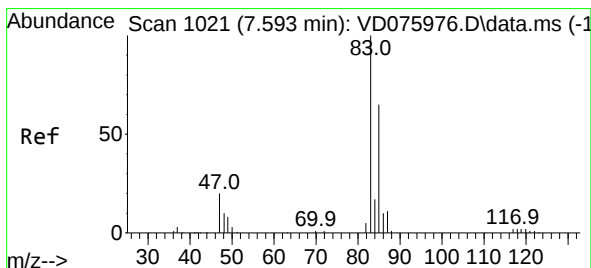
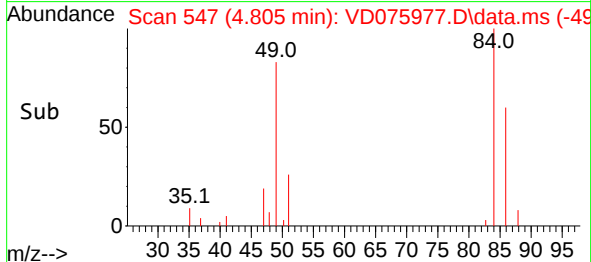
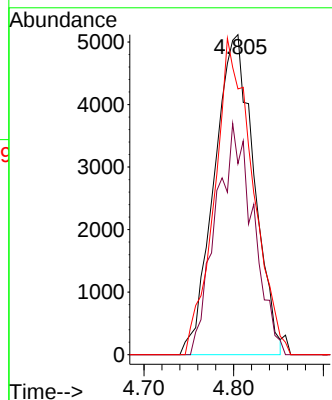
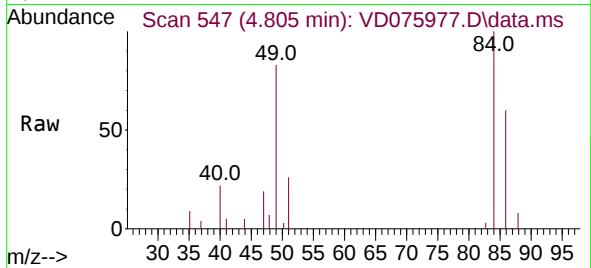




#16  
Methylene chloride  
Concen: 2.165 ug/L  
RT: 4.805 min Scan# 546  
Delta R.T. 0.006 min  
Lab File: VD075977.D  
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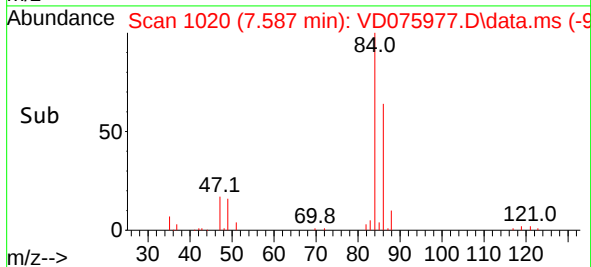
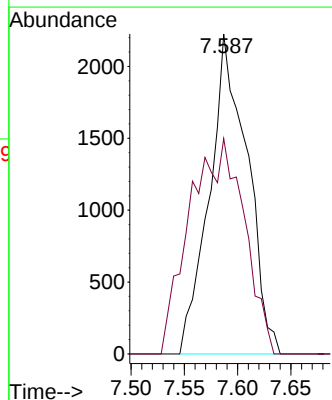
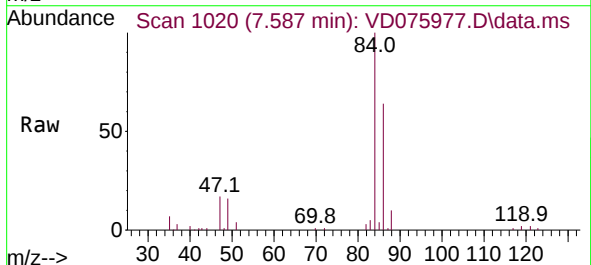
Instrument :  
MSVOA\_D  
ClientSampleId :  
VBLK124

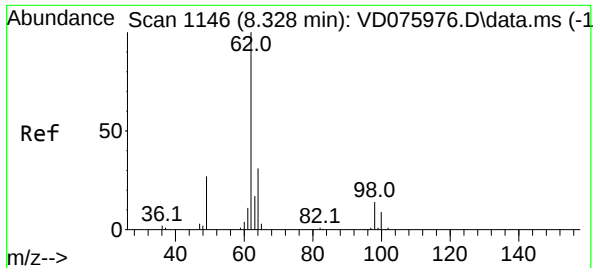
Tgt Ion: 84 Resp: 15741  
Ion Ratio Lower Upper  
84 100  
86 59.7 45.8 85.2  
49 83.1 60.8 112.8



#25  
Chloroform  
Concen: 0.631 ug/L  
RT: 7.587 min Scan# 1020  
Delta R.T. -0.006 min  
Lab File: VD075977.D  
Acq: 03 May 2023 11:15

Tgt Ion: 83 Resp: 5473  
Ion Ratio Lower Upper  
83 100  
85 67.3 44.4 82.5





#27

1,2-Dichloroethane

Concen: 0.301 ug/L

RT: 8.205 min Scan# 1125

Delta R.T. -0.124 min

Lab File: VD075977.D

Acq: 03 May 2023 11:15

Instrument :

MSVOA\_D

ClientSampleId :

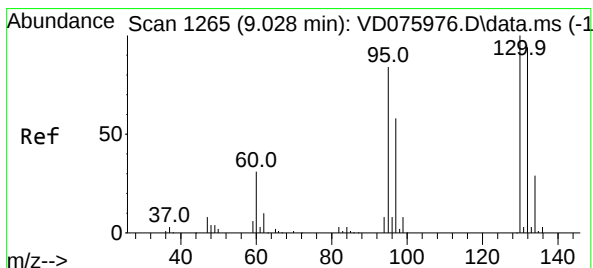
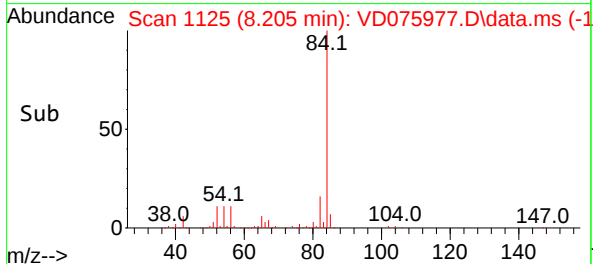
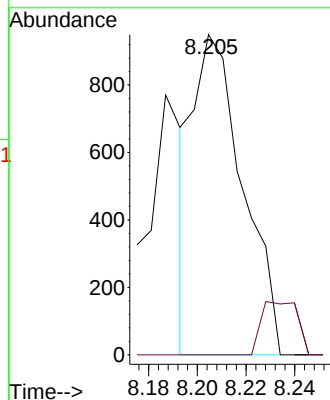
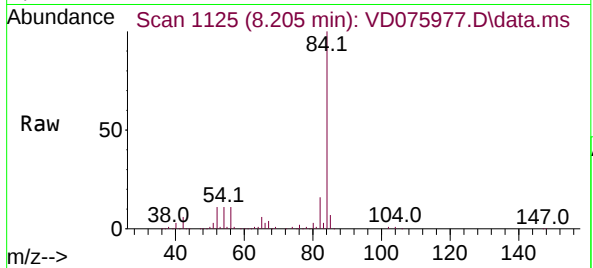
VBLK124

Tgt Ion: 62 Resp: 1350

Ion Ratio Lower Upper

62 100

98 0.0 10.2 15.2#



#34

Trichloroethene

Concen: 1.634 ug/L

RT: 8.781 min Scan# 1223

Delta R.T. -0.247 min

Lab File: VD075977.D

Acq: 03 May 2023 11:15

Tgt Ion: 95 Resp: 8452

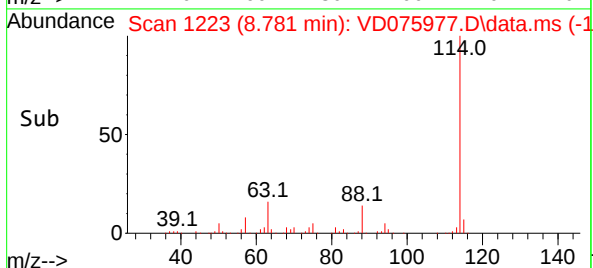
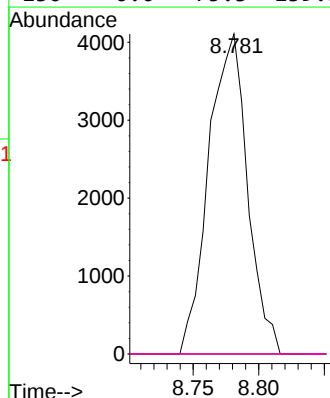
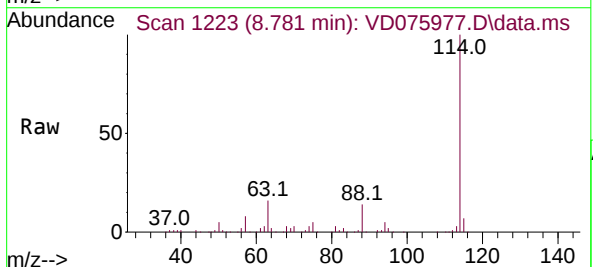
Ion Ratio Lower Upper

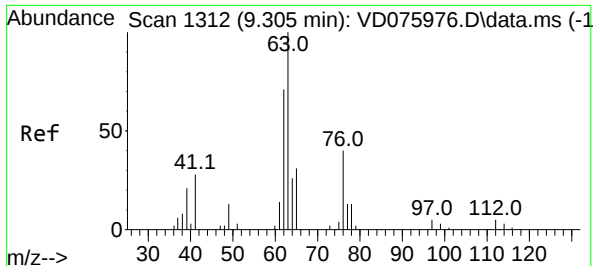
95 100

97 0.0 46.0 85.4#

132 0.0 73.3 136.1#

130 0.0 75.3 139.9#





#37

1,2-Dichloropropane

Concen: 2.842 ug/L

RT: 9.205 min Scan# 11

Delta R.T. -0.100 min

Lab File: VD075977.D

Acq: 03 May 2023 11:15

Instrument :

MSVOA\_D

ClientSampleId :

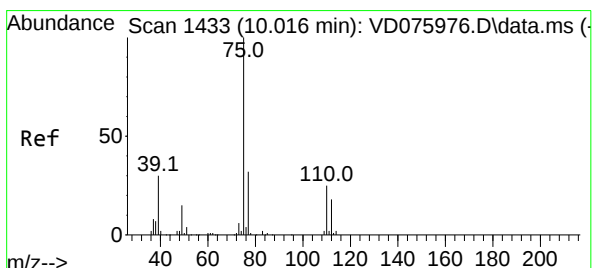
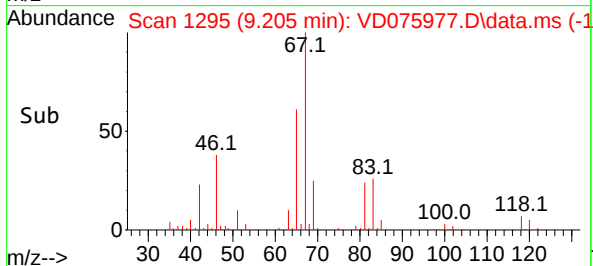
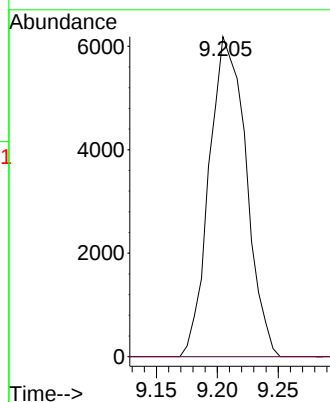
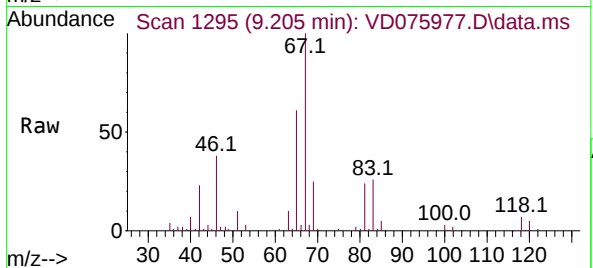
VBLK124

Tgt Ion: 63 Resp: 13060

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 0.485 ug/L

RT: 9.981 min Scan# 1427

Delta R.T. -0.035 min

Lab File: VD075977.D

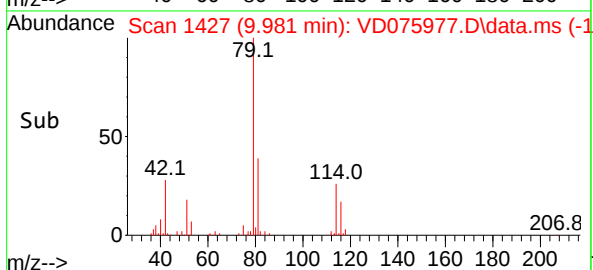
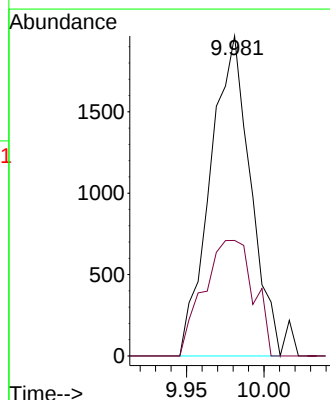
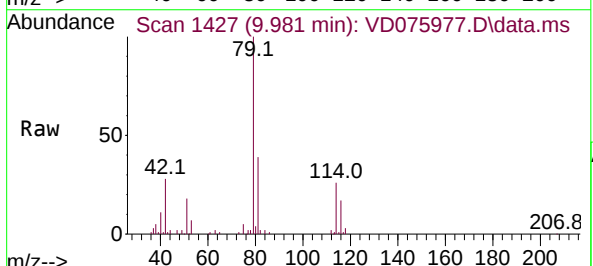
Acq: 03 May 2023 11:15

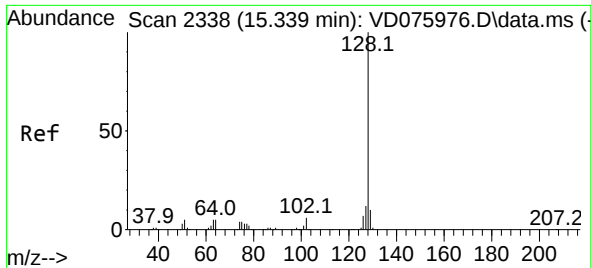
Tgt Ion: 75 Resp: 3544

Ion Ratio Lower Upper

75 100

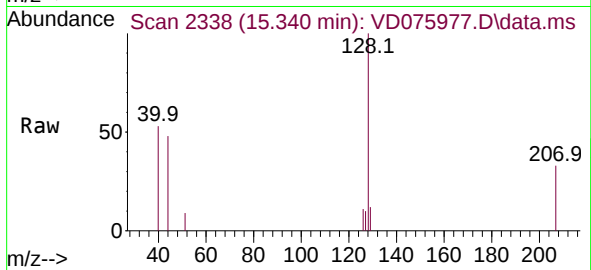
77 36.1 23.4 43.6





#71  
Naphthalene  
Concen: 0.361 ug/L  
RT: 15.340 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VD075977.D  
Acq: 03 May 2023 11:15

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MSVOA\_D  
ClientSampleId :  
VBLK124



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 3132  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 9.7   | 10.5  | 15.7# |
| 129      | 10.4  | 9.1   | 13.7  |

