

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD033023\  
 Data File : VD075543.D  
 Acq On : 30 Mar 2023 12:31  
 Operator : KP/SY  
 Sample : 02121-14RE  
 Misc : 4.77G/10.00ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Mar 31 01:29:40 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM030123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Mar 31 01:28:39 2023  
 Response via : Initial Calibration

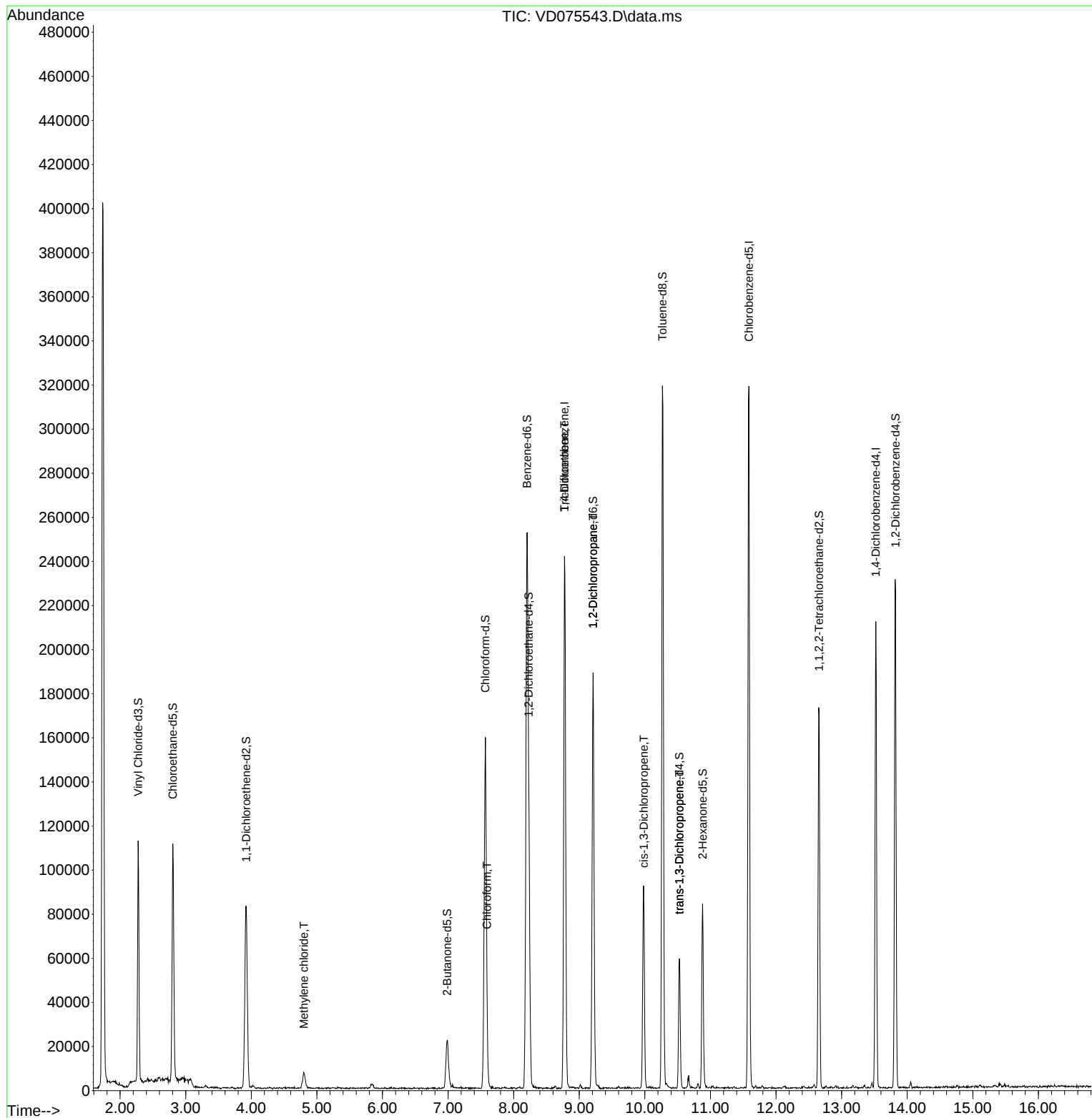
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.775  | 114   | 236234   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.586 | 117   | 201727   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.521 | 152   | 61900    | 25.000   | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.275  | 65    | 101623   | 17.325   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 69.320%   |
| 7) Chloroethane-d5            | 2.804  | 69    | 113740   | 22.407   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 89.640%   |
| 11) 1,1-Dichloroethene-d2     | 3.922  | 63    | 71808    | 13.106   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 52.440%   |
| 21) 2-Butanone-d5             | 6.986  | 46    | 36114    | 66.440   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 132.880%  |
| 24) Chloroform-d              | 7.569  | 84    | 166286   | 26.860   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 107.440%  |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 76642    | 28.576   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 114.320%  |
| 32) Benzene-d6                | 8.204  | 84    | 290282   | 24.230   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 96.920%   |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 97819    | 28.889   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 115.560%  |
| 41) Toluene-d8                | 10.269 | 98    | 240383   | 21.995   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 87.960%   |
| 43) trans-1,3-Dichloroprop... | 10.527 | 79    | 36239    | 26.190   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 104.760%  |
| 47) 2-Hexanone-d5             | 10.880 | 63    | 31278    | 64.032   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 128.060%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.657 | 84    | 94184    | 33.253   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 133.000%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.821 | 152   | 67194    | 31.034   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 124.120%# |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        | Qvalue    |
| 16) Methylene chloride        | 4.804  | 84    | 6120     | 1.227    | ug/L   | 92        |
| 25) Chloroform                | 7.592  | 83    | 1978     | 0.286    | ug/L   | 82        |
| 34) Trichloroethene           | 8.775  | 95    | 6043     | 1.596    | ug/L # | 4         |
| 37) 1,2-Dichloropropane       | 9.210  | 63    | 9462     | 2.656    | ug/L # | 86        |
| 39) cis-1,3-Dichloropropene   | 9.986  | 75    | 2430     | 0.446    | ug/L   | 92        |
| 44) trans-1,3-Dichloropropene | 10.527 | 75    | 1802     | 0.401    | ug/L # | 79        |
| -----                         |        |       |          |          |        |           |

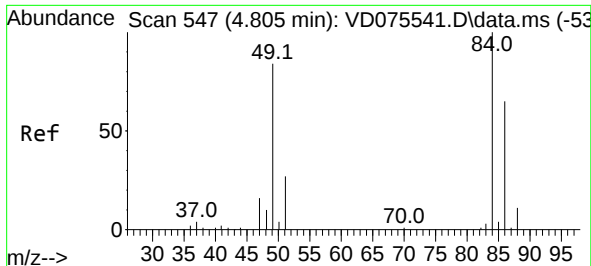
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : 02121-14RE  
Misc : 4.77G/10.00ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

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MSVOA\_D  
ClientSampleId :

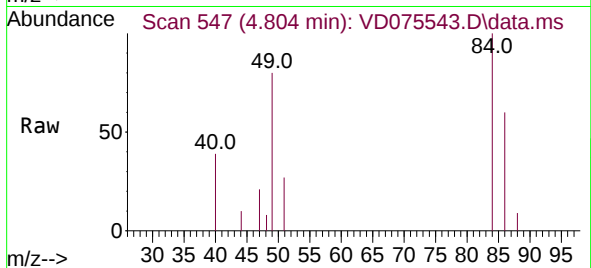
Quant Time: Mar 31 01:29:40 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM030123SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Mar 31 01:28:39 2023  
Response via : Initial Calibration





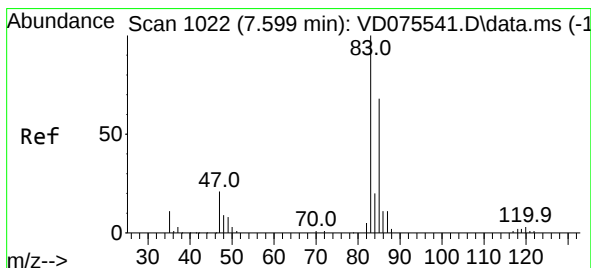
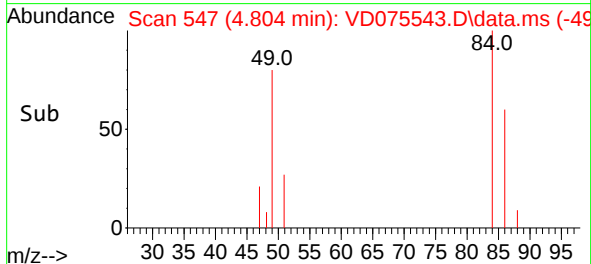
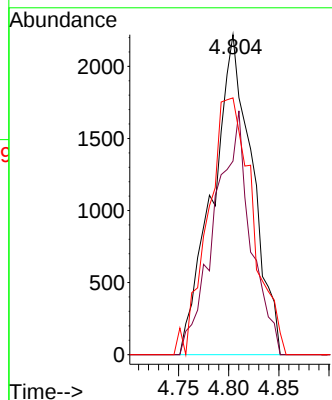
#16  
Methylene chloride  
Concen: 1.227 ug/L  
RT: 4.804 min Scan# 54  
Delta R.T. -0.000 min  
Lab File: VD075543.D  
Acq: 30 Mar 2023 12:31

Instrument :  
MSVOA\_D  
ClientSampleId :



Tgt Ion: 84 Resp: 6120

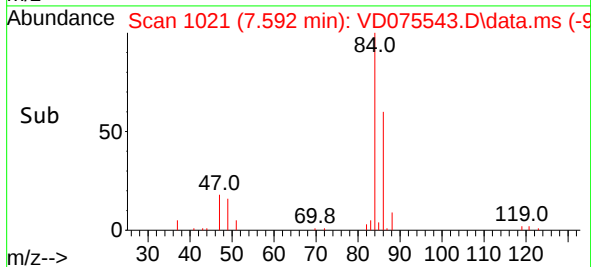
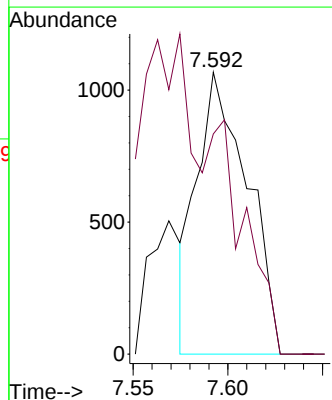
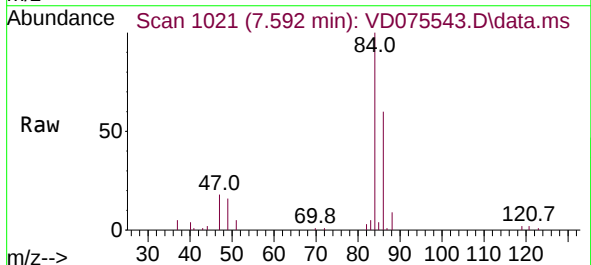
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 86  | 60.5  | 44.2  | 82.2  |
| 49  | 80.2  | 63.6  | 118.2 |

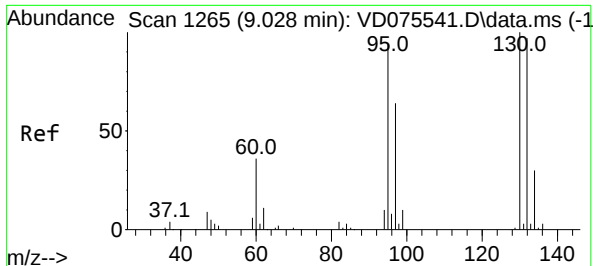


#25  
Chloroform  
Concen: 0.286 ug/L  
RT: 7.592 min Scan# 1021  
Delta R.T. -0.006 min  
Lab File: VD075543.D  
Acq: 30 Mar 2023 12:31

Tgt Ion: 83 Resp: 1978

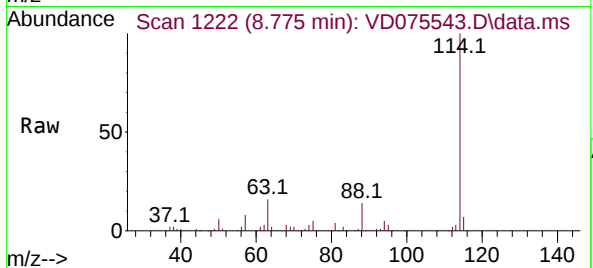
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 78.1  | 44.9  | 83.3  |





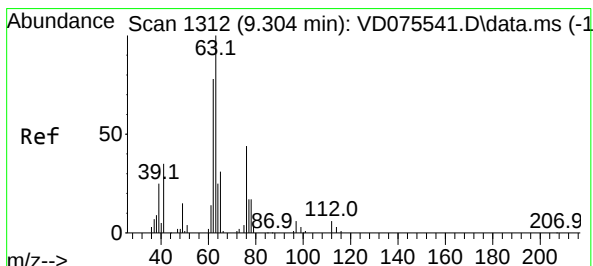
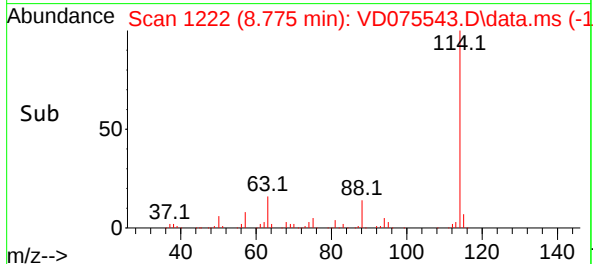
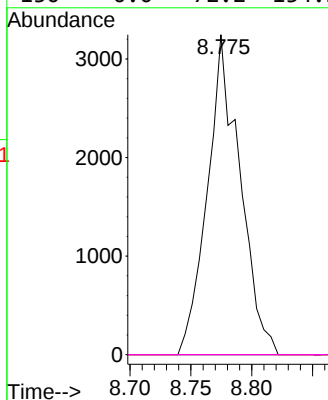
#34  
 Trichloroethene  
 Concen: 1.596 ug/L  
 RT: 8.775 min Scan# 11  
 Delta R.T. -0.253 min  
 Lab File: VD075543.D  
 Acq: 30 Mar 2023 12:31

Instrument :  
 MSVOA\_D  
 ClientSampleId :



Tgt Ion: 95 Resp: 6043

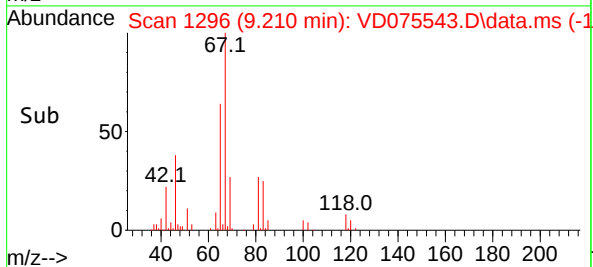
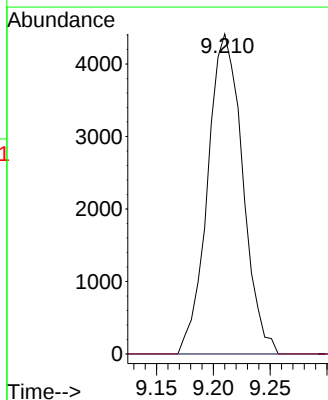
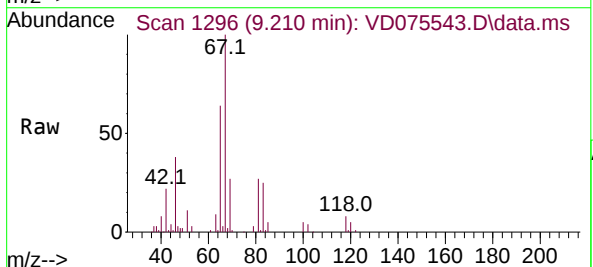
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 95  | 100   |       |        |
| 97  | 0.0   | 44.7  | 83.1#  |
| 132 | 0.0   | 70.0  | 130.0# |
| 130 | 0.0   | 72.2  | 134.2# |

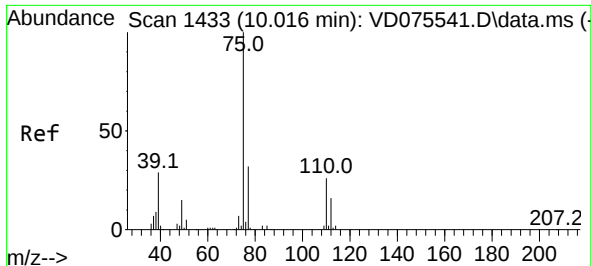


#37  
 1,2-Dichloropropane  
 Concen: 2.656 ug/L  
 RT: 9.210 min Scan# 1296  
 Delta R.T. -0.094 min  
 Lab File: VD075543.D  
 Acq: 30 Mar 2023 12:31

Tgt Ion: 63 Resp: 9462

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 112 | 0.0   | 3.8   | 5.6#  |





#39

cis-1,3-Dichloropropene

Concen: 0.446 ug/L

RT: 9.986 min Scan# 1433

Delta R.T. -0.030 min

Lab File: VD075543.D

Acq: 30 Mar 2023 12:31

Instrument :

MSVOA\_D

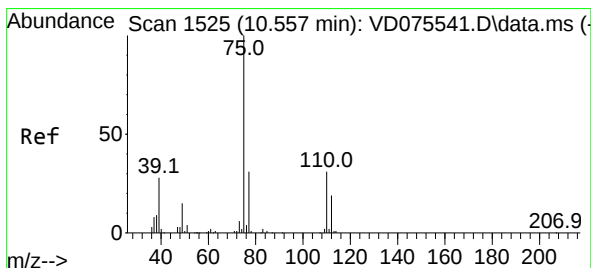
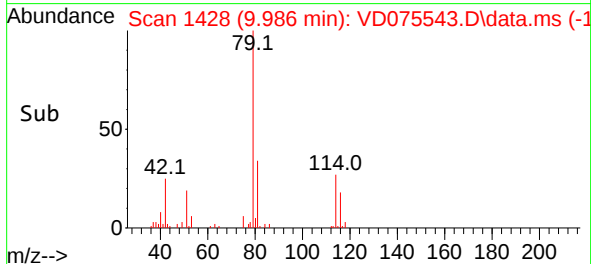
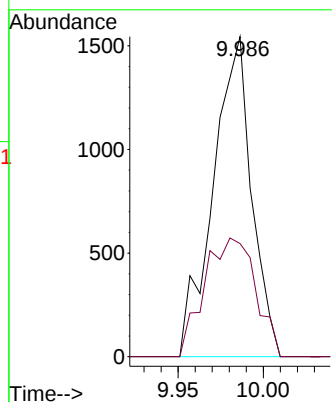
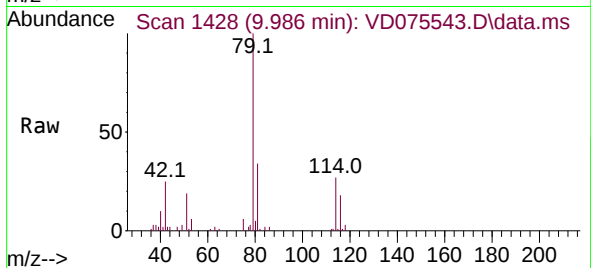
ClientSampleId :

Tgt Ion: 75 Resp: 2430

Ion Ratio Lower Upper

75 100

77 35.4 21.6 40.0



#44

trans-1,3-Dichloropropene

Concen: 0.401 ug/L

RT: 10.527 min Scan# 1520

Delta R.T. -0.030 min

Lab File: VD075543.D

Acq: 30 Mar 2023 12:31

Tgt Ion: 75 Resp: 1802

Ion Ratio Lower Upper

75 100

77 43.5 22.4 41.6#

