

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV060624\  
 Data File : VV035981.D  
 Acq On : 06 Jun 2024 12:47  
 Operator : SY/MD  
 Sample : P2695-25  
 Misc : 5.4g/10.0mL/MSVOA\_V/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jun 07 02:18:02 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 07 02:16:44 2024  
 Response via : Initial Calibration

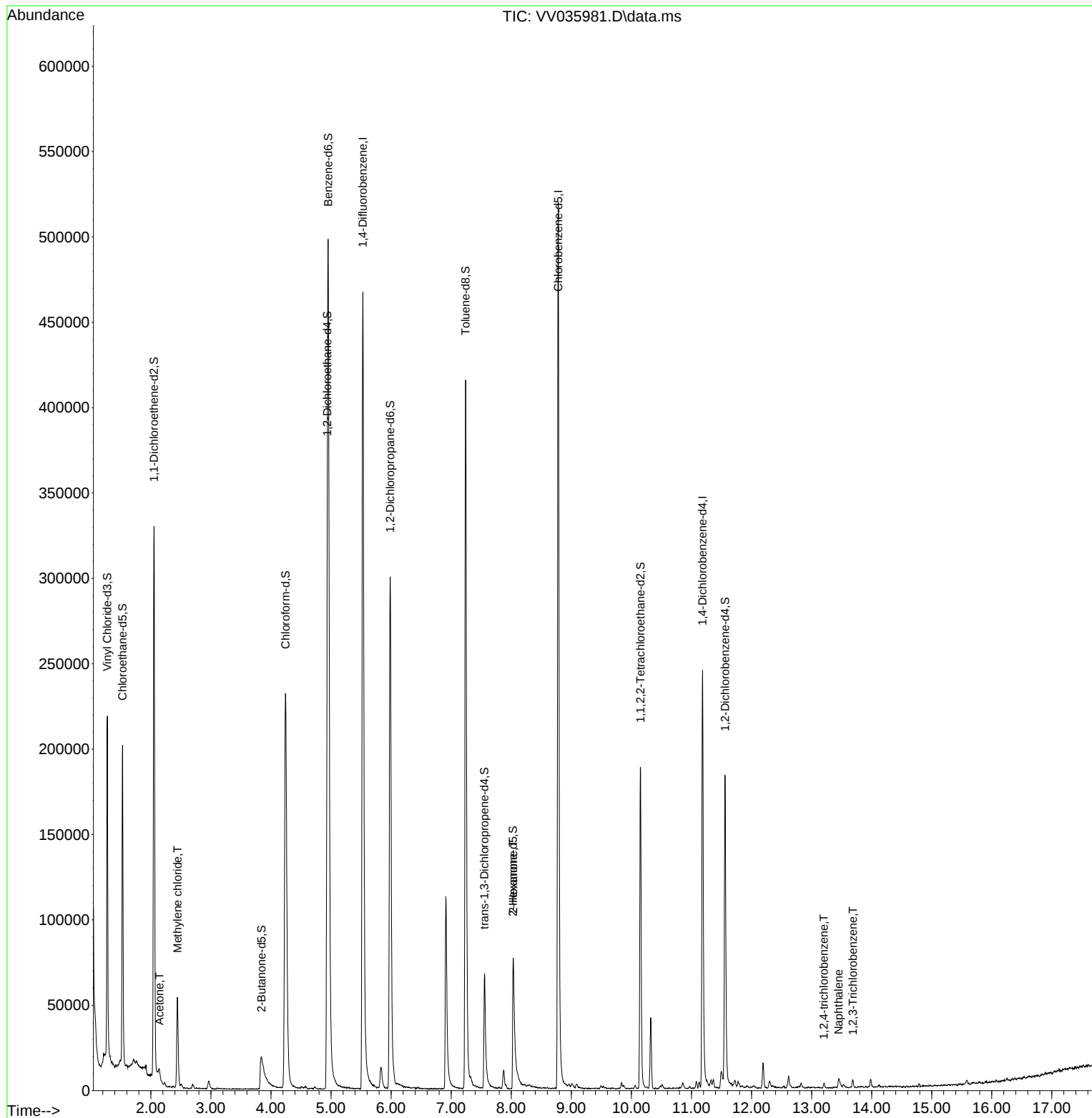
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114   | 419831   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783  | 117   | 301446   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185 | 152   | 66929    | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.275  | 65    | 132578   | 17.176   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 68.720%  |
| 7) Chloroethane-d5            | 1.529  | 69    | 122001   | 19.823   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 79.280%  |
| 11) 1,1-Dichloroethene-d2     | 2.053  | 65    | 56361    | 16.402   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 65.600%  |
| 21) 2-Butanone-d5             | 3.841  | 46    | 43912    | 24.796   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 49.600%  |
| 24) Chloroform-d              | 4.243  | 84    | 261380   | 19.583   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 78.320%  |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65    | 136539   | 19.511   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 78.040%  |
| 32) Benzene-d6                | 4.953  | 84    | 451224   | 25.182   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 100.720% |
| 36) 1,2-Dichloropropane-d6    | 5.986  | 67    | 156586   | 27.750   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 111.000% |
| 41) Toluene-d8                | 7.240  | 98    | 293214   | 18.546   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 74.200%  |
| 43) trans-1,3-Dichloroprop... | 7.555  | 79    | 45088    | 19.488   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 77.960%  |
| 47) 2-Hexanone-d5             | 8.030  | 63    | 30518    | 39.918   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 79.840%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149 | 84    | 96272    | 22.831   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 91.320%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.561 | 152   | 49135    | 20.019   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 80.080%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 13) Acetone                   | 2.143  | 43    | 7166     | 2.598    | ug/L # | 37       |
| 16) Methylene chloride        | 2.442  | 84    | 22637    | 2.383    | ug/L   | 96       |
| 48) 2-Hexanone                | 8.034  | 43    | 3956     | 1.799    | ug/L # | 73       |
| 70) 1,2,4-trichlorobenzene    | 13.204 | 180   | 1186     | 0.447    | ug/L # | 76       |
| 71) Naphthalene               | 13.451 | 128   | 4165     | 0.961    | ug/L # | 92       |
| 72) 1,2,3-Trichlorobenzene    | 13.686 | 180   | 872      | 0.360    | ug/L # | 85       |
| -----                         |        |       |          |          |        |          |

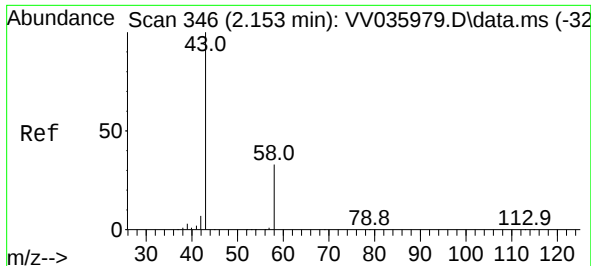
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 6 Sample Multiplier: 1

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MSVOA\_V  
ClientSampleId :

Quant Time: Jun 07 02:18:02 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Jun 07 02:16:44 2024  
Response via : Initial Calibration





#13

Acetone

Concen: 2.598 ug/L

RT: 2.143 min Scan# 346

Delta R.T. -0.009 min

Lab File: VV035981.D

Acq: 06 Jun 2024 12:47

Instrument :

MSVOA\_V

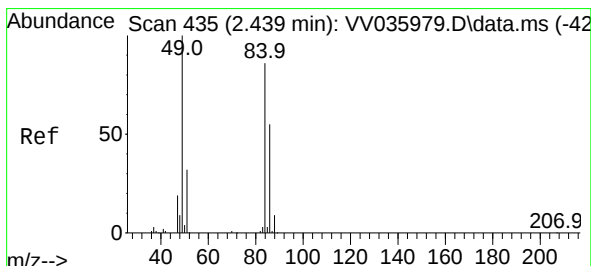
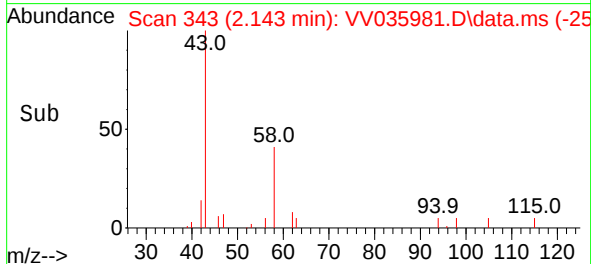
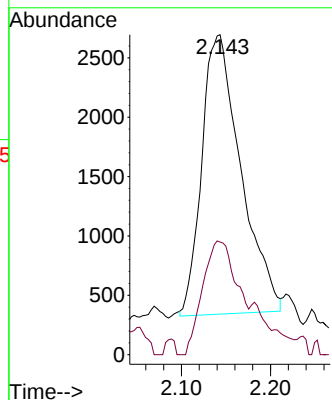
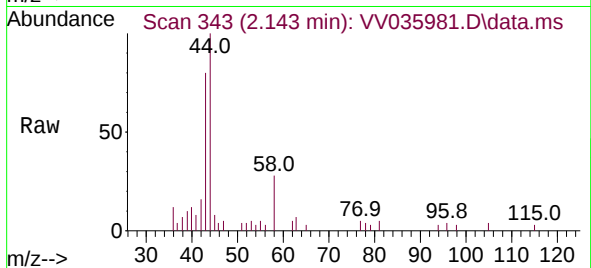
ClientSampleId :

Tgt Ion: 43 Resp: 7166

Ion Ratio Lower Upper

43 100

58 36.5 0.0 24.2#



#16

Methylene chloride

Concen: 2.383 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.003 min

Lab File: VV035981.D

Acq: 06 Jun 2024 12:47

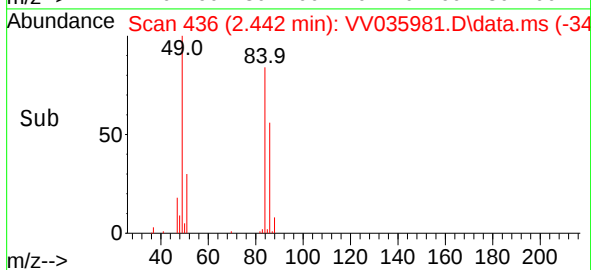
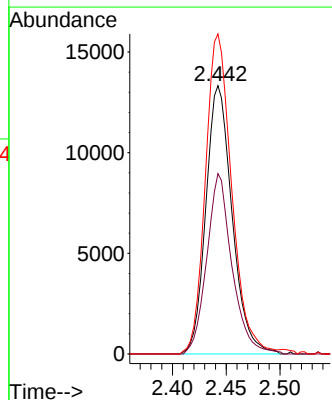
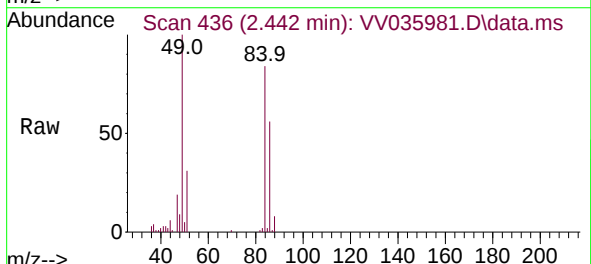
Tgt Ion: 84 Resp: 22637

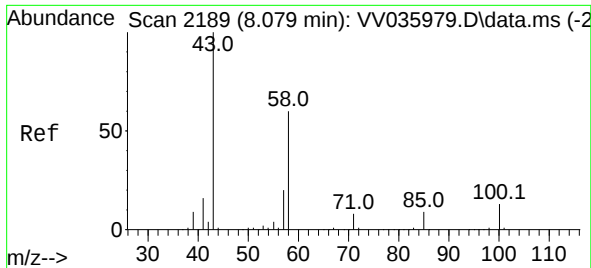
Ion Ratio Lower Upper

84 100

86 67.2 44.6 82.8

49 119.3 81.1 150.5





#48

2-Hexanone

Concen: 1.799 ug/L

RT: 8.034 min Scan# 2189

Delta R.T. -0.045 min

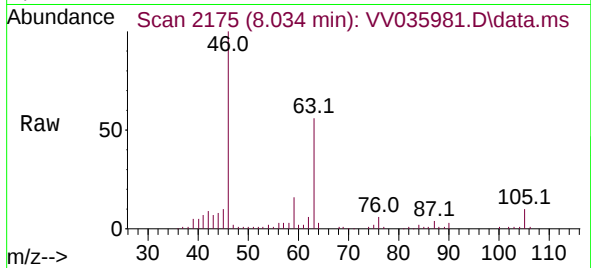
Lab File: VV035981.D

Acq: 06 Jun 2024 12:47

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion: 43 Resp: 3956

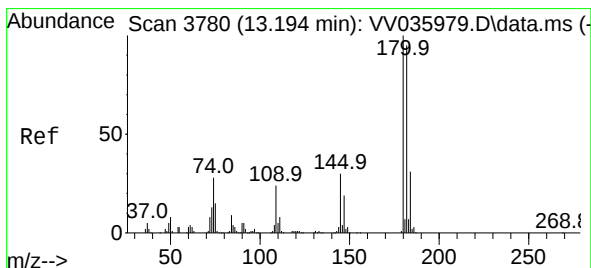
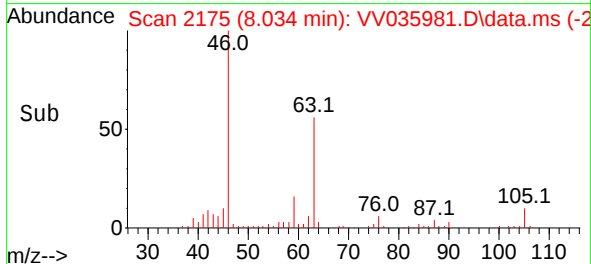
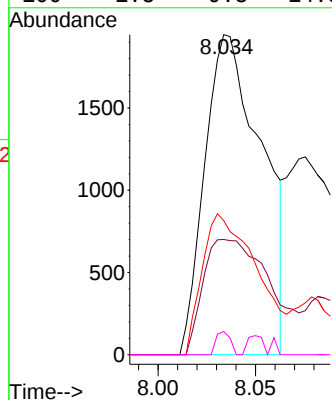
Ion Ratio Lower Upper

43 100

58 42.7 45.4 68.0#

57 42.8 15.8 23.8#

100 1.8 9.8 14.8#



#70

1,2,4-trichlorobenzene

Concen: 0.447 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.010 min

Lab File: VV035981.D

Acq: 06 Jun 2024 12:47

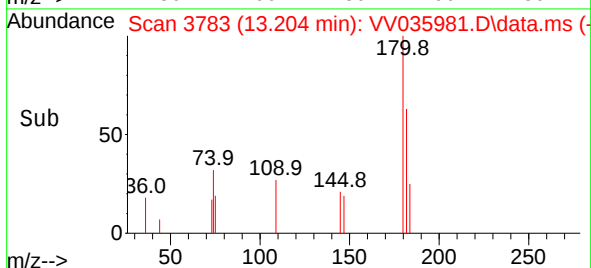
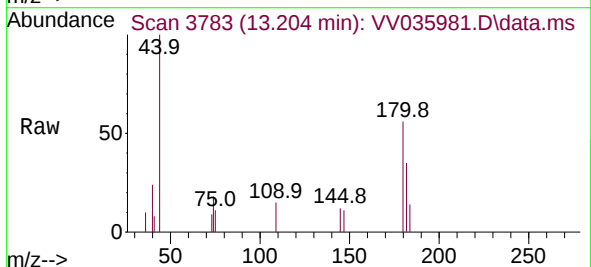
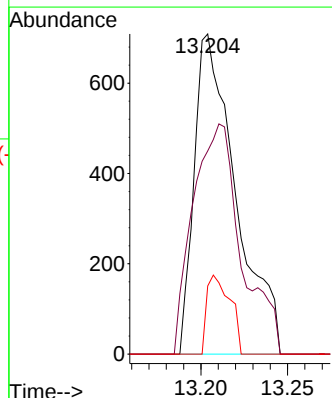
Tgt Ion: 180 Resp: 1186

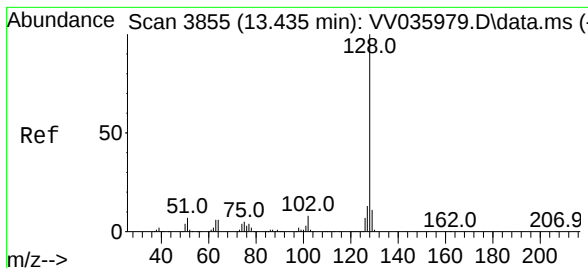
Ion Ratio Lower Upper

180 100

182 74.9 76.1 114.1#

145 12.0 23.5 35.3#





#71

Naphthalene

Concen: 0.961 ug/L

RT: 13.451 min Scan# 3860

Delta R.T. 0.016 min

Lab File: VV035981.D

Acq: 06 Jun 2024 12:47

Instrument :

MSVOA\_V

ClientSampleId :

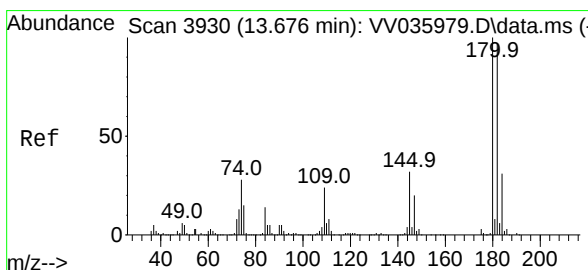
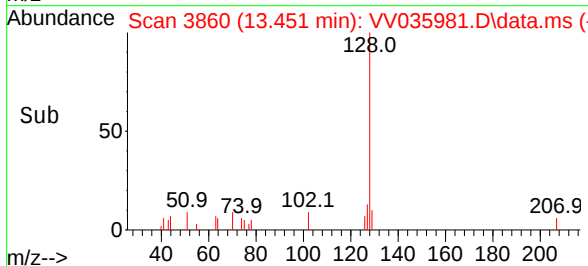
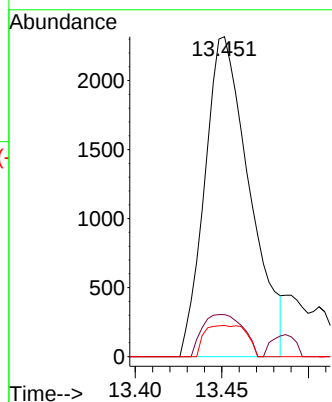
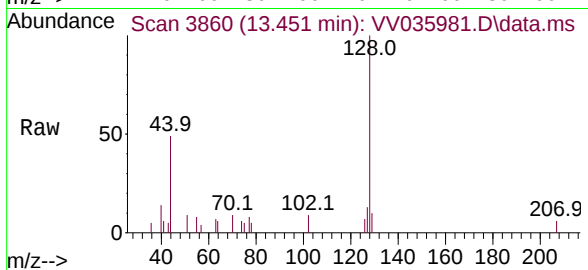
Tgt Ion:128 Resp: 4165

Ion Ratio Lower Upper

128 100

127 12.0 10.6 16.0

129 5.8 8.8 13.2#



#72

1,2,3-Trichlorobenzene

Concen: 0.360 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.010 min

Lab File: VV035981.D

Acq: 06 Jun 2024 12:47

Tgt Ion:180 Resp: 872

Ion Ratio Lower Upper

180 100

182 95.3 75.1 112.7

145 0.0 25.2 37.8#

