

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU051922\  
 Data File : VU048627.D  
 Acq On : 19 May 2022 12:17  
 Operator : SY/MD  
 Sample : N2849-13  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EXXX6

Quant Time: May 20 04:40:02 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM051622WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 20 04:37:51 2022  
 Response via : Initial Calibration

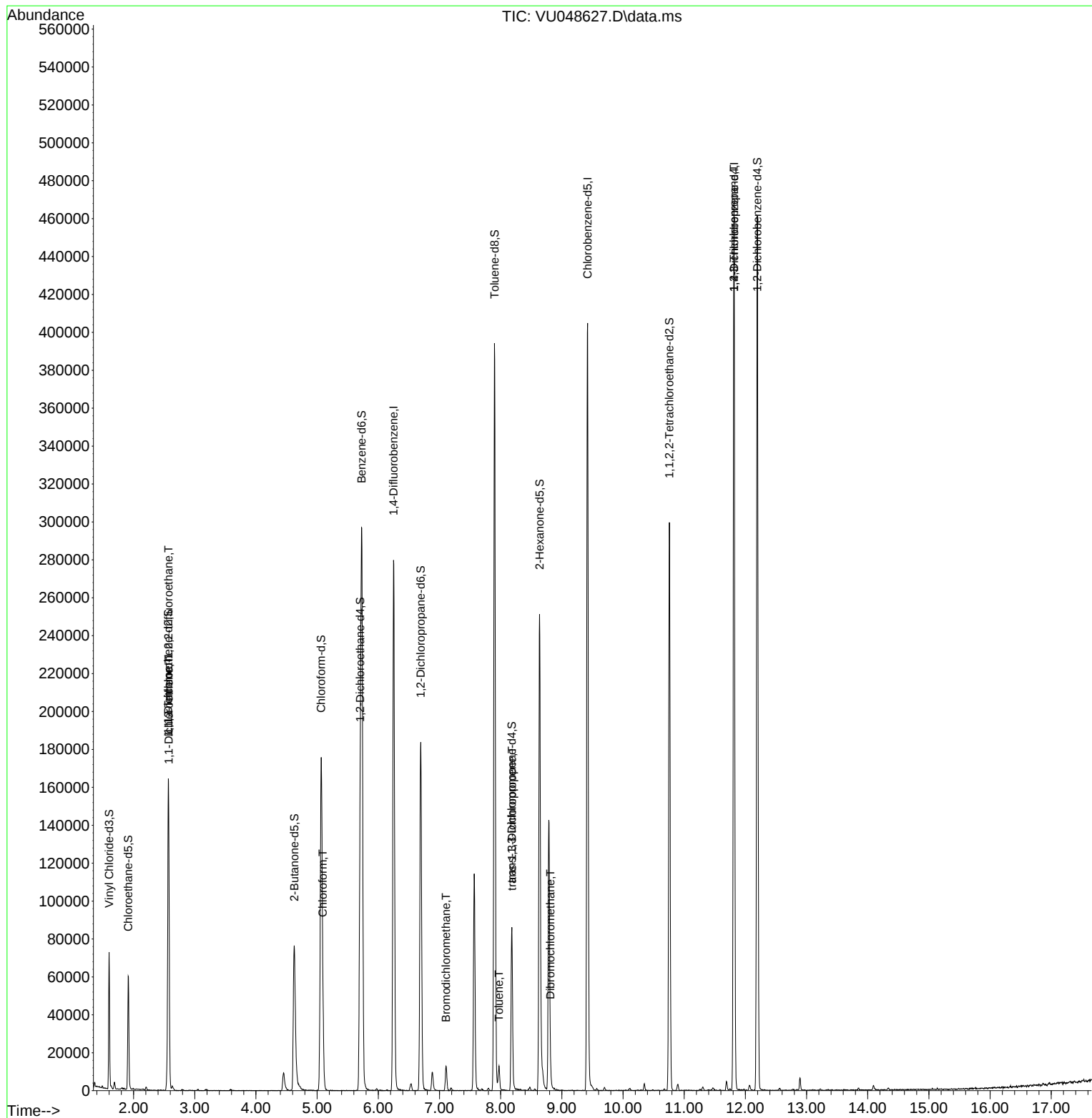
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 225393   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420   | 117   | 230954   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.815  | 152   | 129580   | 50.000   | ug/L   | 0.00     |
|                               |         |       |          |          |        |          |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600   | 65    | 47999    | 34.769   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 69.540%  |
| 7) Chloroethane-d5            | 1.912   | 69    | 41536    | 40.160   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 80.320%  |
| 11) 1,1-Dichloroethene-d2     | 2.568   | 63    | 97854    | 31.342   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 62.680%  |
| 21) 2-Butanone-d5             | 4.626   | 46    | 110287   | 83.949   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 83.950%  |
| 24) Chloroform-d              | 5.067   | 84    | 159407   | 45.694   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 91.380%  |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 118458   | 48.132   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.260%  |
| 32) Benzene-d6                | 5.729   | 84    | 272262   | 42.358   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 84.720%  |
| 36) 1,2-Dichloropropane-d6    | 6.693   | 67    | 78663    | 41.688   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 83.380%  |
| 41) Toluene-d8                | 7.899   | 98    | 259161   | 42.866   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 85.740%  |
| 43) trans-1,3-Dichloroprop... | 8.182   | 79    | 49345    | 40.895   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 81.800%  |
| 47) 2-Hexanone-d5             | 8.636   | 63    | 81045    | 78.317   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 78.320%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 133126   | 42.636   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 85.280%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 120737   | 45.579   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 91.160%  |
|                               |         |       |          |          |        |          |
| Target Compounds              |         |       |          |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.571   | 101   | 876      | 0.554    | ug/L # | 17       |
| 12) 1,1-Dichloroethene        | 2.575   | 96    | 894      | 0.610    | ug/L # | 1        |
| 25) Chloroform                | 5.092   | 83    | 31343    | 9.273    | ug/L   | 96       |
| 38) Bromodichloromethane      | 7.105   | 83    | 8859     | 3.245    | ug/L   | 97       |
| 42) Toluene                   | 7.973   | 91    | 8587     | 1.168    | ug/L   | 92       |
| 44) trans-1,3-Dichloropropene | 8.185   | 75    | 2527     | 0.832    | ug/L   | 85       |
| 49) Dibromochloromethane      | 8.812   | 129   | 3840     | 1.653    | ug/L   | 97       |
| 60) 1,2,3-Trichloropropane    | 11.812  | 75    | 11551    | 4.495    | ug/L # | 59       |
| -----                         |         |       |          |          |        |          |

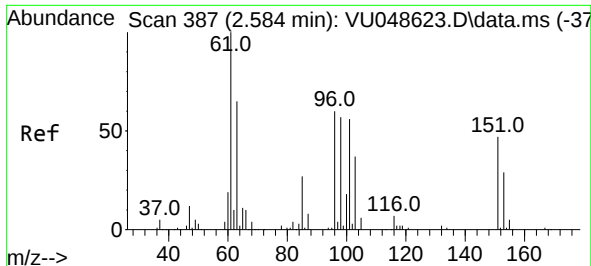
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri May 20 04:37:51 2022  
Response via : Initial Calibration

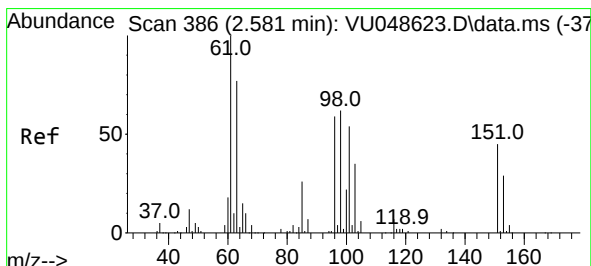
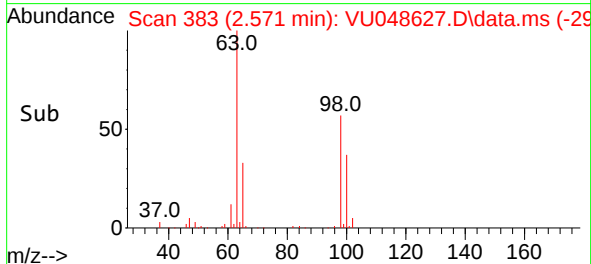
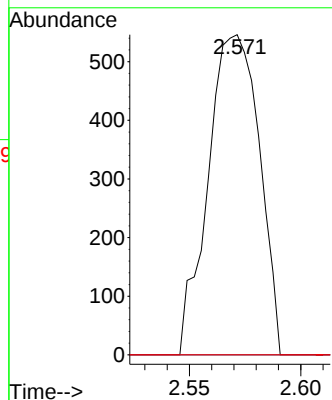
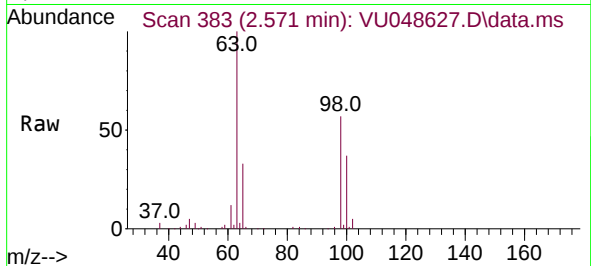




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.554 ug/L  
RT: 2.571 min Scan# 383  
Delta R.T. -0.013 min  
Lab File: VU048627.D  
Acq: 19 May 2022 12:17

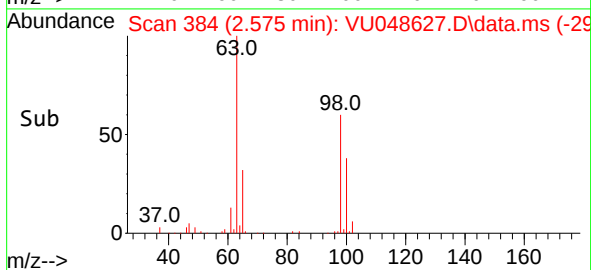
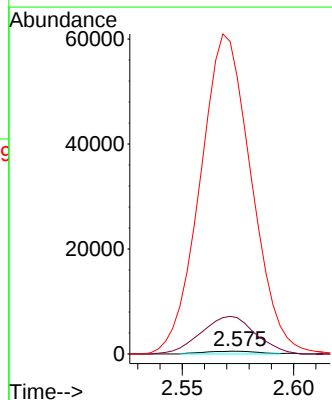
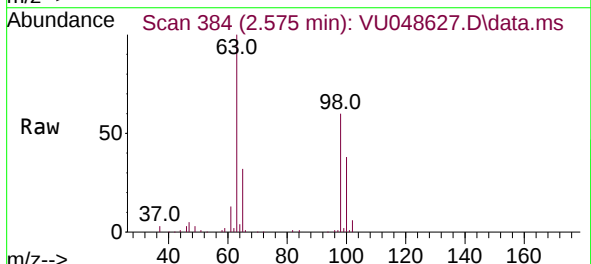
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXXX6

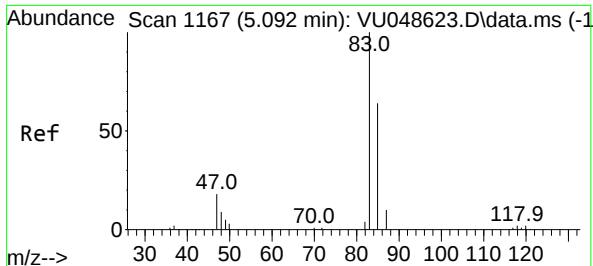
Tgt Ion:101 Resp: 876  
Ion Ratio Lower Upper  
101 100  
85 0.0 35.7 53.5#  
151 0.0 64.4 96.6#



#12  
1,1-Dichloroethene  
Concen: 0.610 ug/L  
RT: 2.575 min Scan# 384  
Delta R.T. -0.006 min  
Lab File: VU048627.D  
Acq: 19 May 2022 12:17

Tgt Ion: 96 Resp: 894  
Ion Ratio Lower Upper  
96 100  
61 1305.3 120.6 224.0#  
63 9969.8 82.3 152.9#





#25

Chloroform

Concen: 9.273 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU048627.D

Acq: 19 May 2022 12:17

Instrument :

MSVOA\_U

ClientSampleId :

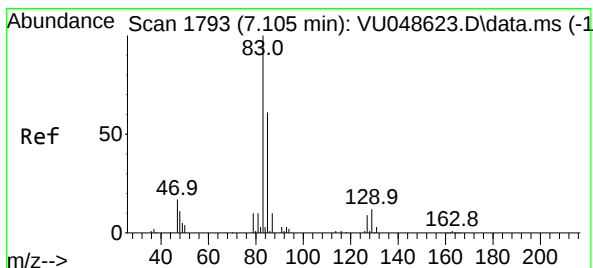
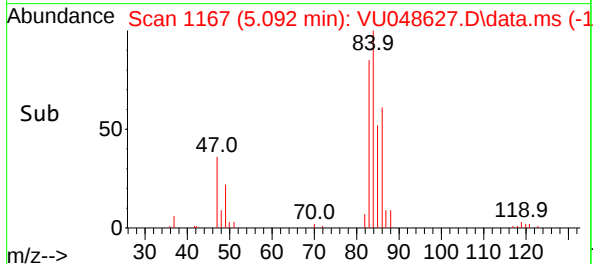
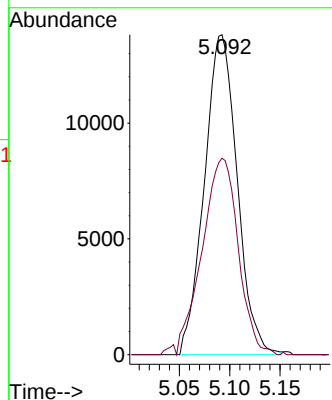
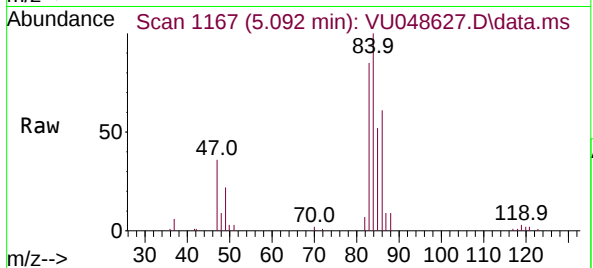
EXXX6

Tgt Ion: 83 Resp: 31343

Ion Ratio Lower Upper

83 100

85 61.4 45.1 83.7



#38

Bromodichloromethane

Concen: 3.245 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU048627.D

Acq: 19 May 2022 12:17

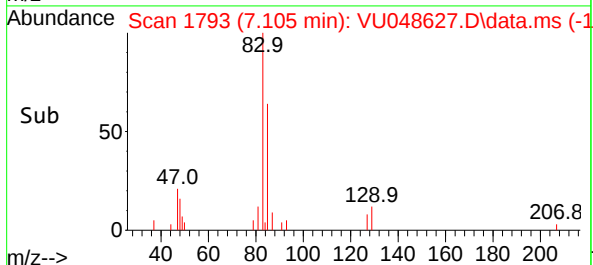
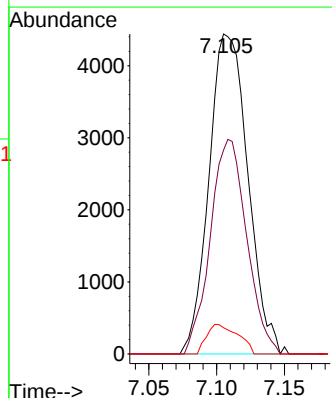
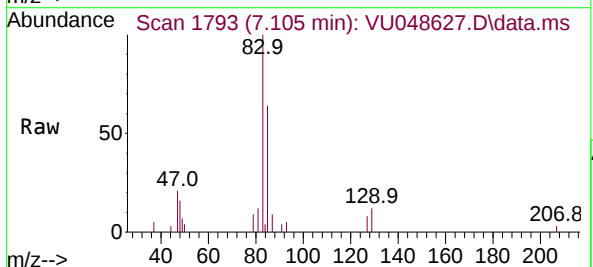
Tgt Ion: 83 Resp: 8859

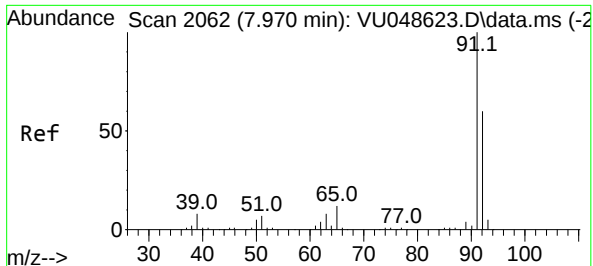
Ion Ratio Lower Upper

83 100

85 63.7 46.1 85.5

127 8.2 7.8 11.6





#42

Toluene

Concen: 1.168 ug/L

RT: 7.973 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU048627.D

Acq: 19 May 2022 12:17

Instrument :

MSVOA\_U

ClientSampleId :

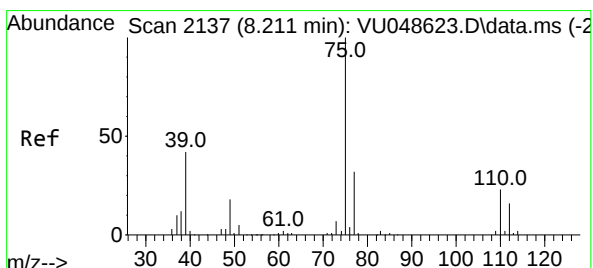
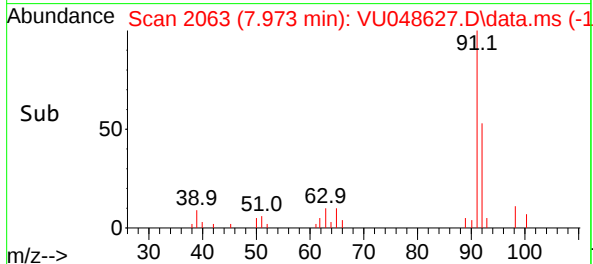
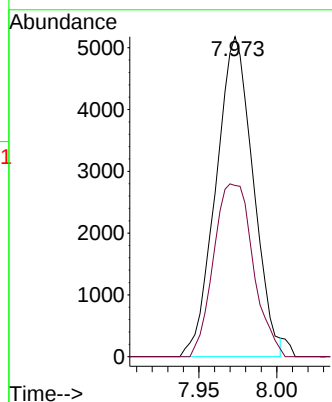
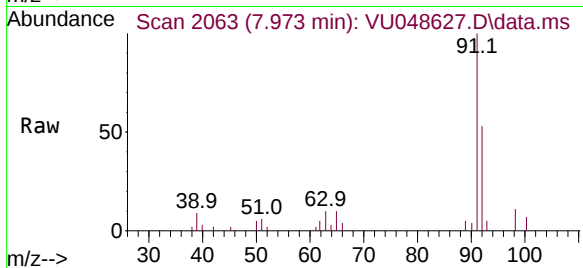
EXXX6

Tgt Ion: 91 Resp: 8587

Ion Ratio Lower Upper

91 100

92 53.5 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 0.832 ug/L

RT: 8.185 min Scan# 2129

Delta R.T. -0.026 min

Lab File: VU048627.D

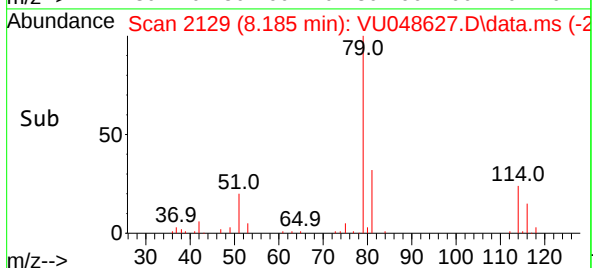
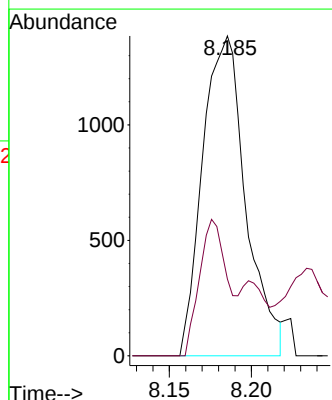
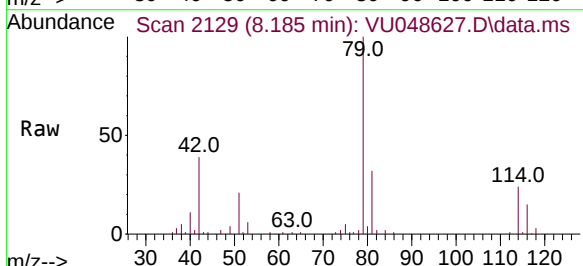
Acq: 19 May 2022 12:17

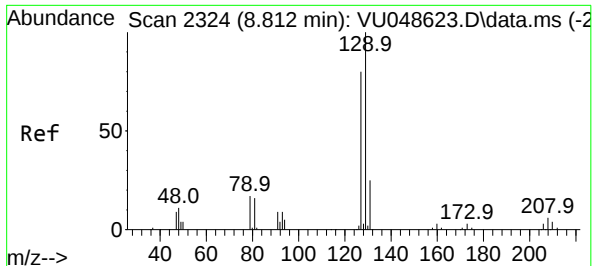
Tgt Ion: 75 Resp: 2527

Ion Ratio Lower Upper

75 100

77 24.0 22.7 42.1





#49

Dibromochloromethane

Concen: 1.653 ug/L

RT: 8.812 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU048627.D

Acq: 19 May 2022 12:17

Instrument :

MSVOA\_U

ClientSampleId :

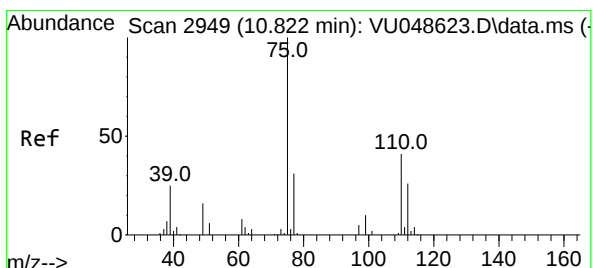
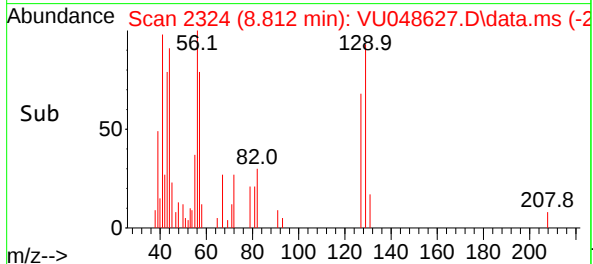
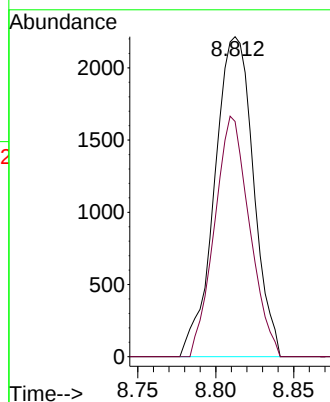
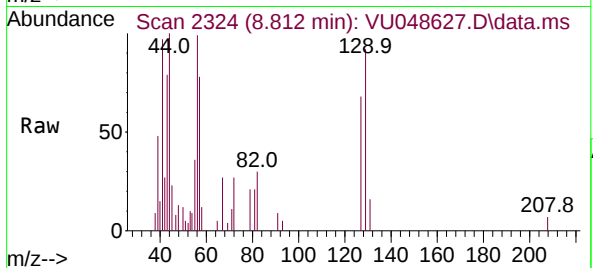
EXXX6

Tgt Ion:129 Resp: 3840

Ion Ratio Lower Upper

129 100

127 73.5 53.1 98.5



#60

1,2,3-Trichloropropane

Concen: 4.495 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.990 min

Lab File: VU048627.D

Acq: 19 May 2022 12:17

Tgt Ion: 75 Resp: 11551

Ion Ratio Lower Upper

75 100

77 39.6 25.4 38.0#

110 1.8 32.1 48.1#

