

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV092922\  
 Data File : VV028208.D  
 Acq On : 30 Sep 2022 00:09  
 Operator : SY/MD  
 Sample : N4870-07  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F5H40

Quant Time: Sep 30 01:51:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092222WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Sep 29 01:25:35 2022  
 Response via : Initial Calibration

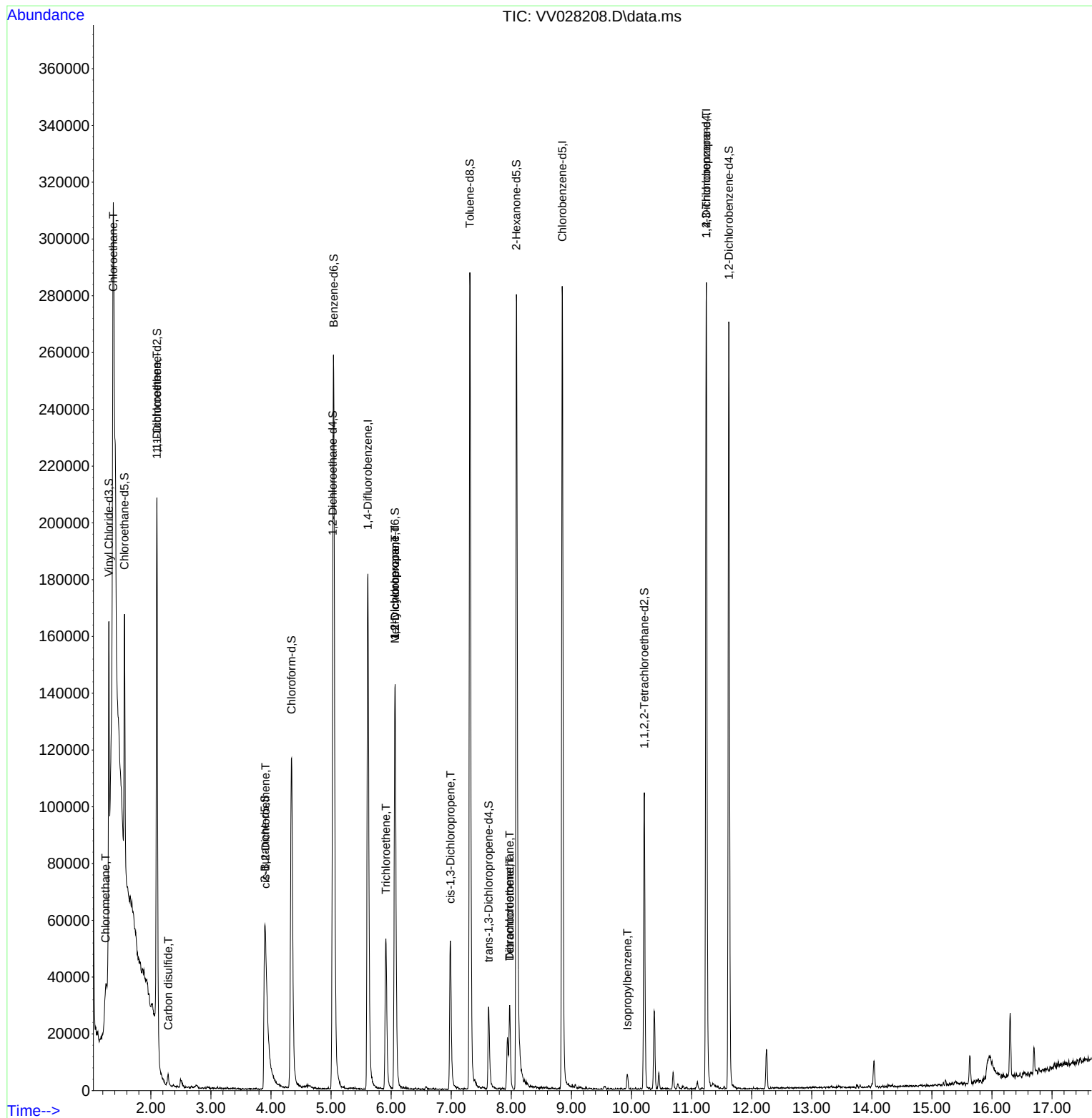
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.613  | 114   | 166994   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.847  | 117   | 165202   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152   | 81754    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.301  | 65    | 69939    | 4.040    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 80.800%  |
| 7) Chloroethane-d5            | 1.561  | 69    | 57339    | 4.166    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 83.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.102  | 63    | 93125    | 3.101    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 62.000%  |
| 20) 2-Butanone-d5             | 3.896  | 46    | 127787   | 43.720   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 87.440%  |
| 24) Chloroform-d              | 4.343  | 84    | 125069   | 4.527    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.027  | 65    | 56946    | 4.332    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 86.600%  |
| 32) Benzene-d6                | 5.044  | 84    | 243829   | 4.501    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 72294    | 4.281    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 85.600%  |
| 41) Toluene-d8                | 7.310  | 98    | 203667   | 4.154    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 83.000%  |
| 43) trans-1,3-Dichloroprop... | 7.622  | 79    | 19287    | 3.162    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 63.200%  |
| 46) 2-Hexanone-d5             | 8.085  | 63    | 106311   | 41.757   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 83.520%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 52265    | 4.528    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 90.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 76509    | 4.771    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 95.400%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.246  | 50    | 1053     | 0.064    | ug/L # | 70       |
| 8) Chloroethane               | 1.375  | 64    | 1161691  | 133.777  | ug/L # | 51       |
| 12) 1,1-Dichloroethene        | 2.098  | 96    | 1036     | 0.090    | ug/L # | 1        |
| 14) Carbon disulfide          | 2.288  | 76    | 4832     | 0.218    | ug/L # | 93       |
| 22) cis-1,2-Dichloroethene    | 3.909  | 96    | 2196     | 0.166    | ug/L   | 93       |
| 34) Trichloroethene           | 5.912  | 95    | 18973    | 1.662    | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.063  | 83    | 17902    | 1.143    | ug/L # | 17       |
| 37) 1,2-Dichloropropane       | 6.066  | 63    | 7937     | 0.617    | ug/L # | 87       |
| 39) cis-1,3-Dichloropropene   | 6.989  | 75    | 1450     | 0.091    | ug/L # | 82       |
| 47) Tetrachloroethene         | 7.973  | 164   | 7179     | 0.788    | ug/L   | 94       |
| 49) Dibromochloromethane      | 7.973  | 129   | 6174     | 0.596    | ug/L # | 11       |
| 60) Isopropylbenzene          | 9.931  | 105   | 4087     | 0.085    | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 11.246 | 75    | 7790     | 1.136    | ug/L # | 68       |
| -----                         |        |       |          |          |        |          |

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

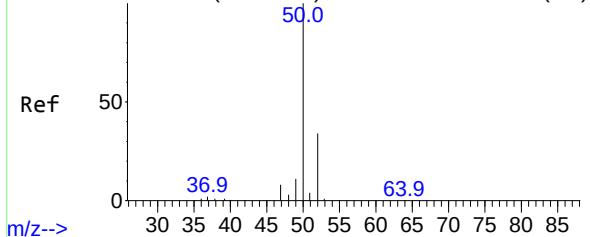
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV092922\  
Data File : VV028208.D  
Acq On : 30 Sep 2022 00:09  
Operator : SY/MD  
Sample : N4870-07  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
F5H40

Quant Time: Sep 30 01:51:22 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092222WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Sep 29 01:25:35 2022  
Response via : Initial Calibration



Abundance Scan 61 (1.237 min): VV028192.D\data.ms (-53)



#3

Chloromethane

Concen: 0.064 ug/L

RT: 1.246 min Scan# 64

Delta R.T. 0.010 min

Lab File: VV028208.D

Acq: 30 Sep 2022 00:09

Instrument :

MSVOA\_V

ClientSampleId :

F5H40

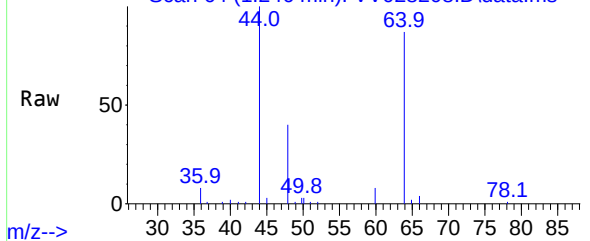
Tgt Ion: 50 Resp: 1053

Ion Ratio Lower Upper

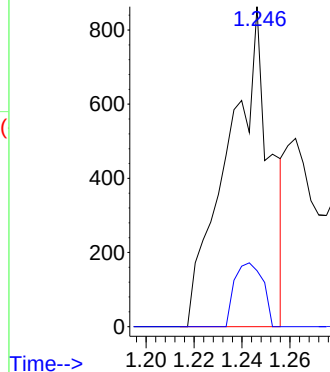
50 100

52 17.5 24.4 45.2#

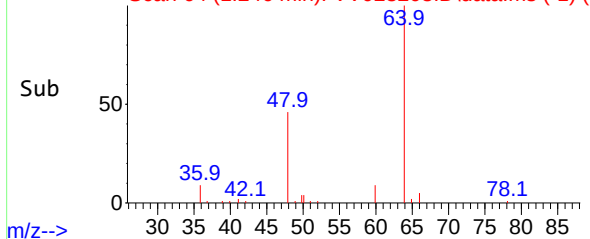
Abundance Scan 64 (1.246 min): VV028208.D\data.ms



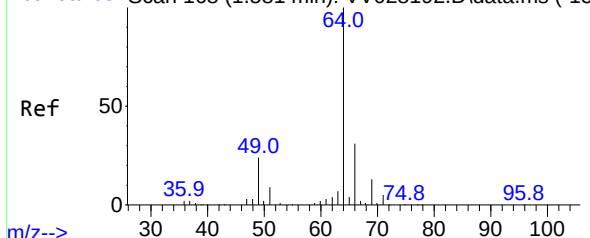
Abundance



Abundance Scan 64 (1.246 min): VV028208.D\data.ms (-1)



Abundance Scan 168 (1.581 min): VV028192.D\data.ms (-15)



#8

Chloroethane

Concen: 133.777 ug/L

RT: 1.375 min Scan# 104

Delta R.T. -0.203 min

Lab File: VV028208.D

Acq: 30 Sep 2022 00:09

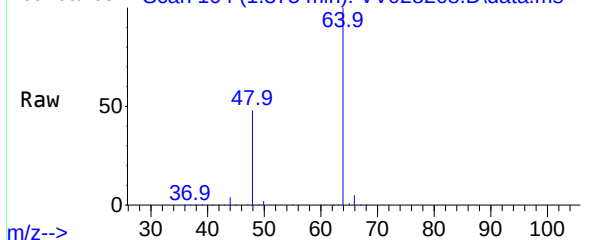
Tgt Ion: 64 Resp: 1161691

Ion Ratio Lower Upper

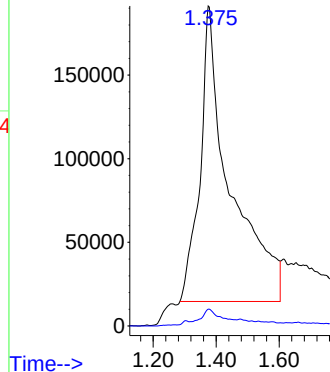
64 100

66 5.2 23.0 42.8#

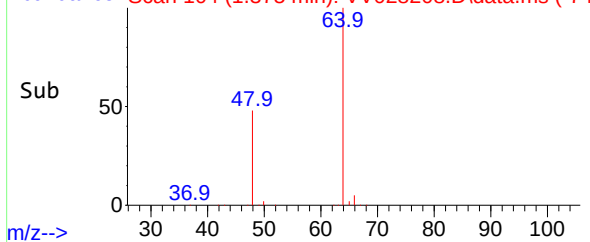
Abundance Scan 104 (1.375 min): VV028208.D\data.ms

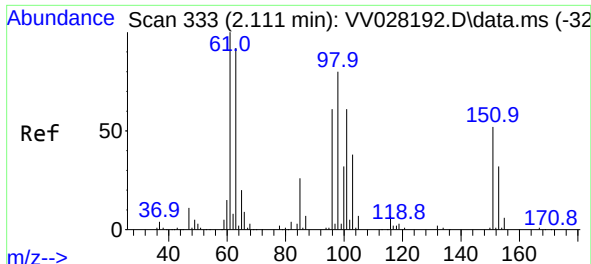


Abundance



Abundance Scan 104 (1.375 min): VV028208.D\data.ms (-74)





#12

1,1-Dichloroethene

Concen: 0.090 ug/L

RT: 2.098 min Scan# 31

Delta R.T. -0.013 min

Lab File: VV028208.D

Acq: 30 Sep 2022 00:09

Instrument :

MSVOA\_V

ClientSampleId :

F5H40

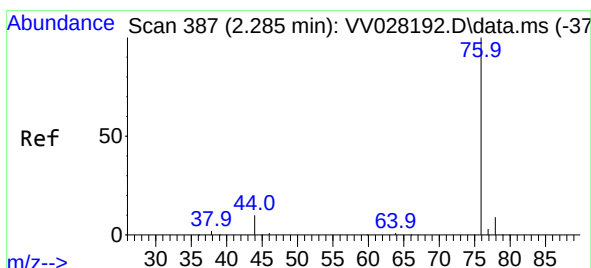
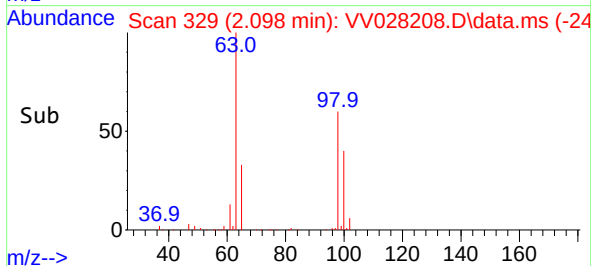
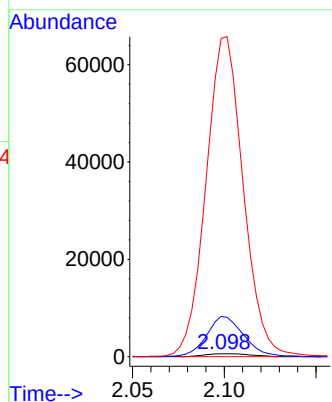
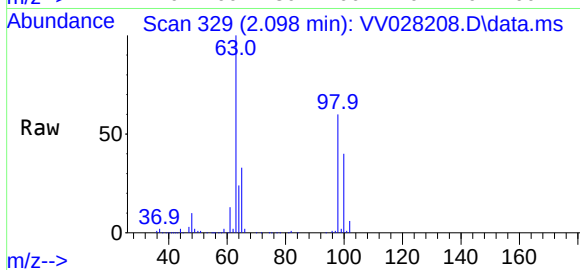
Tgt Ion: 96 Resp: 1036

Ion Ratio Lower Upper

96 100

61 1383.0 128.3 238.3#

63 10908.0 112.7 209.3#



#14

Carbon disulfide

Concen: 0.218 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.003 min

Lab File: VV028208.D

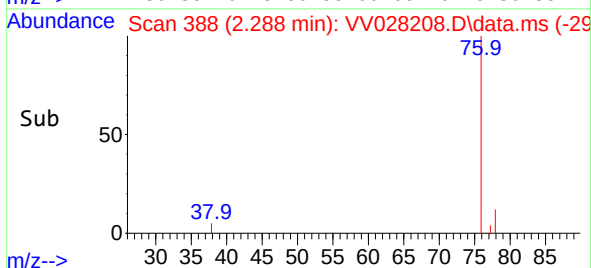
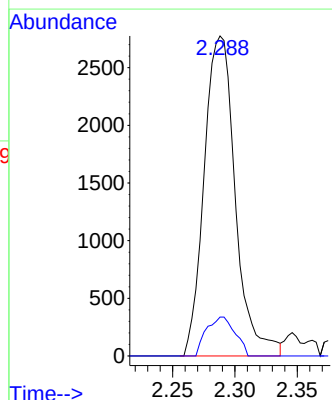
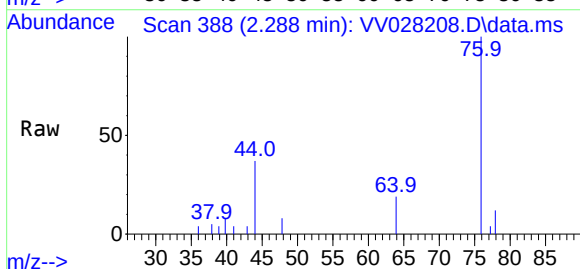
Acq: 30 Sep 2022 00:09

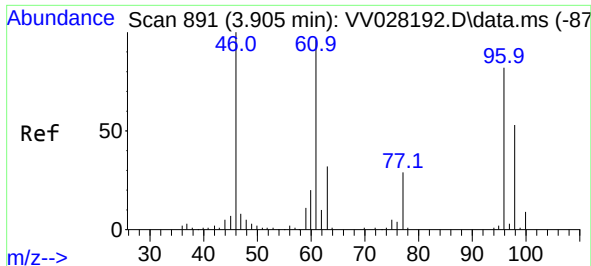
Tgt Ion: 76 Resp: 4832

Ion Ratio Lower Upper

76 100

78 12.2 7.6 11.4#

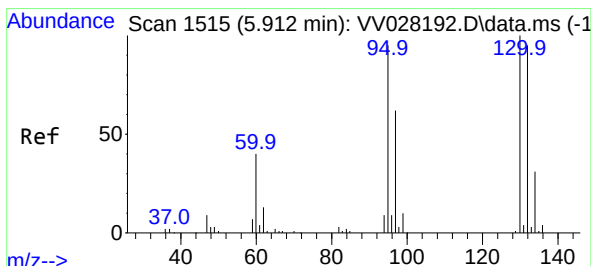
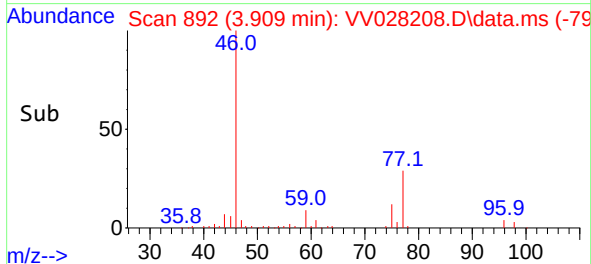
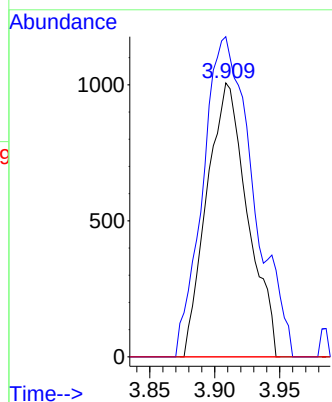
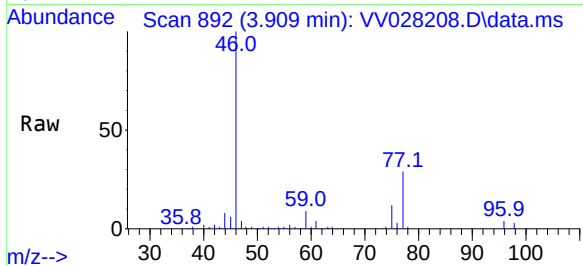




#22  
cis-1,2-Dichloroethene  
Concen: 0.166 ug/L  
RT: 3.909 min Scan# 891  
Delta R.T. 0.010 min  
Lab File: VV028208.D  
Acq: 30 Sep 2022 00:09

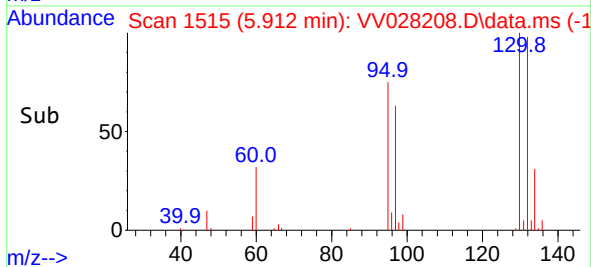
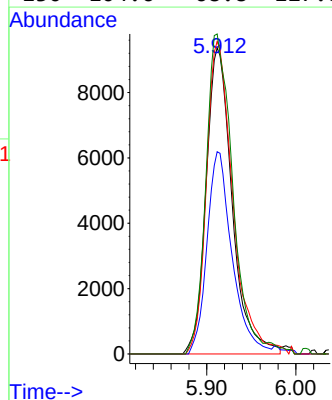
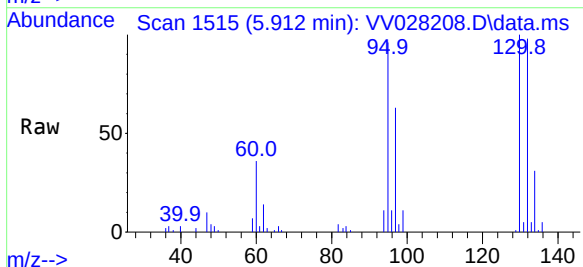
Instrument :  
MSVOA\_V  
ClientSampleId :  
F5H40

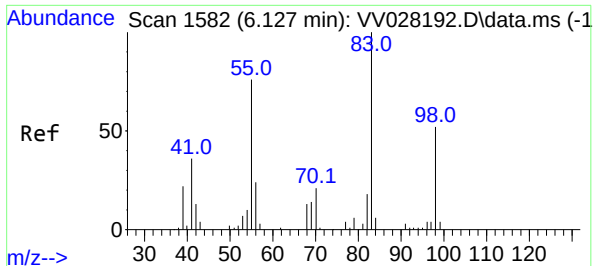
Tgt Ion: 96 Resp: 2196  
Ion Ratio Lower Upper  
96 100  
61 116.9 87.2 161.9  
68 0.0 0.0 0.0



#34  
Trichloroethene  
Concen: 1.662 ug/L  
RT: 5.912 min Scan# 1515  
Delta R.T. 0.006 min  
Lab File: VV028208.D  
Acq: 30 Sep 2022 00:09

Tgt Ion: 95 Resp: 18973  
Ion Ratio Lower Upper  
95 100  
97 66.1 44.2 82.0  
132 102.1 67.8 126.0  
130 104.6 68.8 127.8





#35

Methylcyclohexane

Concen: 1.143 ug/L

RT: 6.063 min Scan# 1

Delta R.T. -0.058 min

Lab File: VV028208.D

Acq: 30 Sep 2022 00:09

Instrument :

MSVOA\_V

ClientSampleId :

F5H40

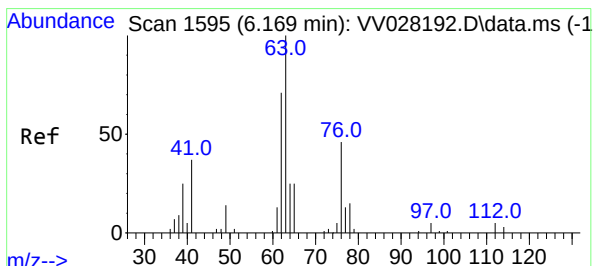
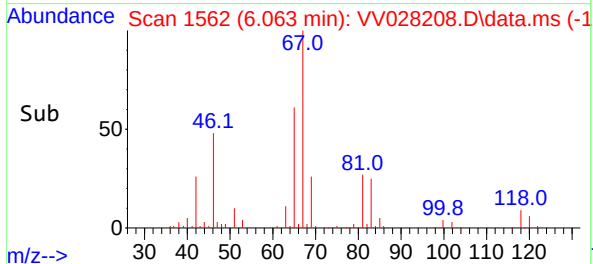
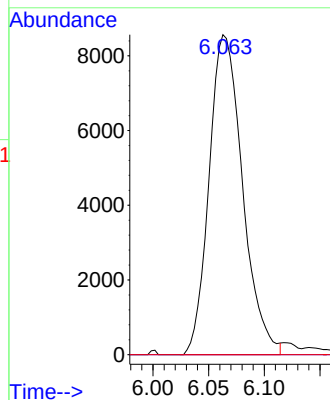
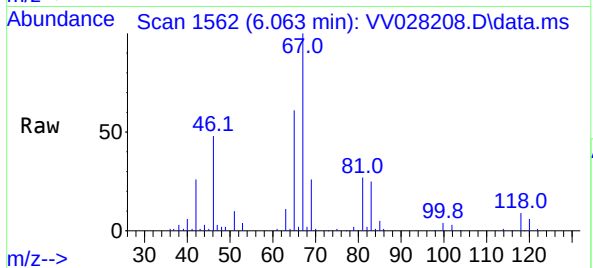
Tgt Ion: 83 Resp: 17902

Ion Ratio Lower Upper

83 100

55 0.1 64.7 97.1#

98 1.9 39.5 59.3#



#37

1,2-Dichloropropane

Concen: 0.617 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.100 min

Lab File: VV028208.D

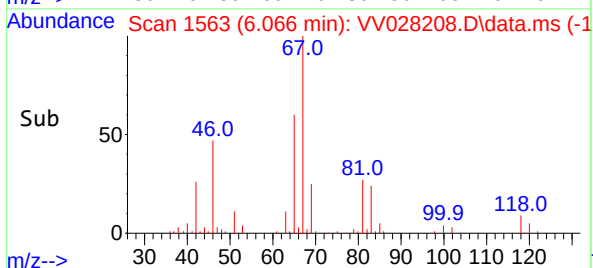
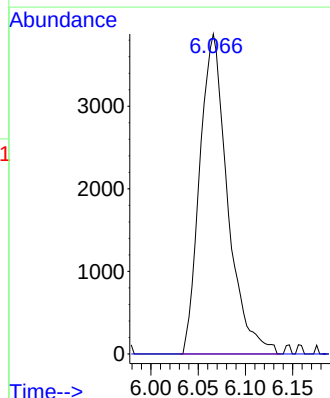
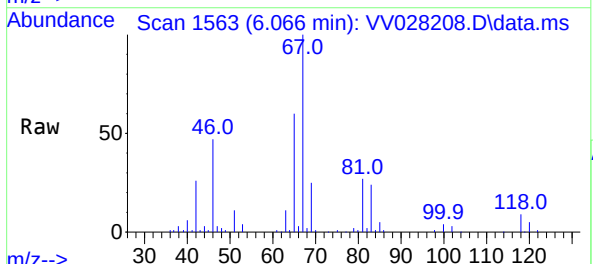
Acq: 30 Sep 2022 00:09

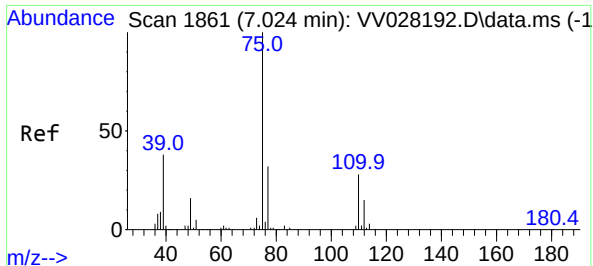
Tgt Ion: 63 Resp: 7937

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#





#39

cis-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 6.989 min Scan# 11

Delta R.T. -0.032 min

Lab File: VV028208.D

Acq: 30 Sep 2022 00:09

Instrument :

MSVOA\_V

ClientSampleId :

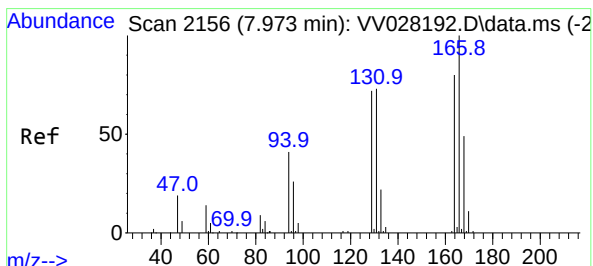
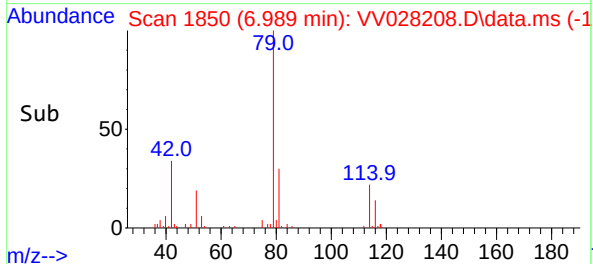
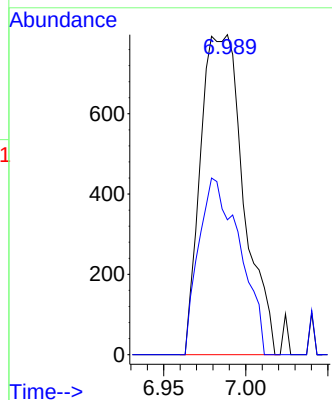
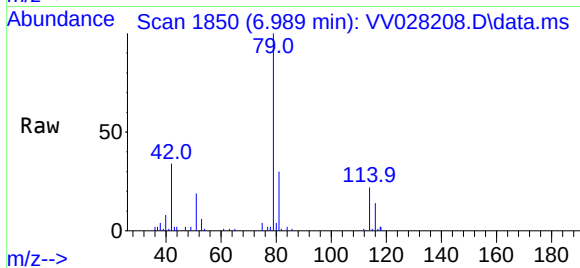
F5H40

Tgt Ion: 75 Resp: 1450

Ion Ratio Lower Upper

75 100

77 42.2 22.4 41.6#



#47

Tetrachloroethene

Concen: 0.788 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.003 min

Lab File: VV028208.D

Acq: 30 Sep 2022 00:09

Tgt Ion: 164 Resp: 7179

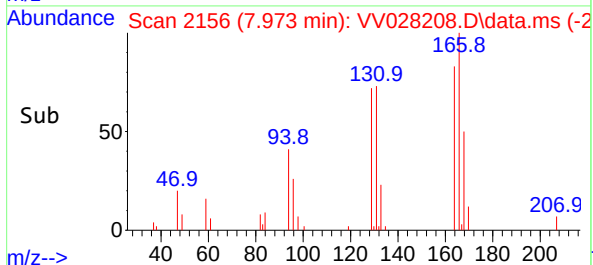
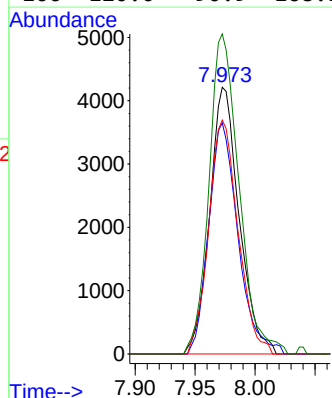
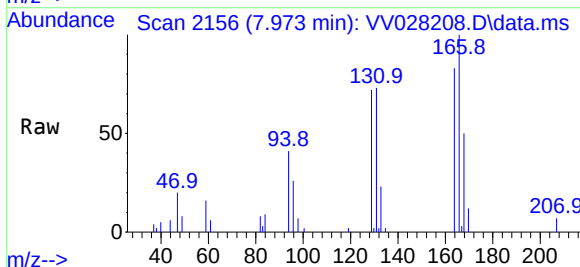
Ion Ratio Lower Upper

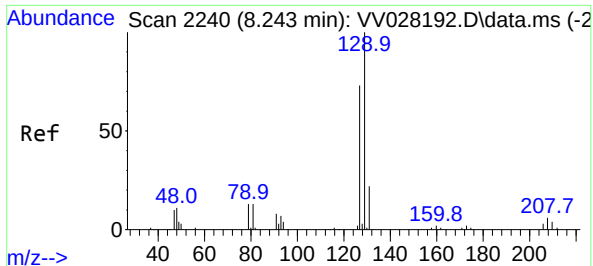
164 100

129 86.6 66.7 123.9

131 87.7 61.7 114.5

166 120.0 90.9 168.9





#49

Dibromochloromethane

Concen: 0.596 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.267 min

Lab File: VV028208.D

Acq: 30 Sep 2022 00:09

Instrument :

MSVOA\_V

ClientSampleId :

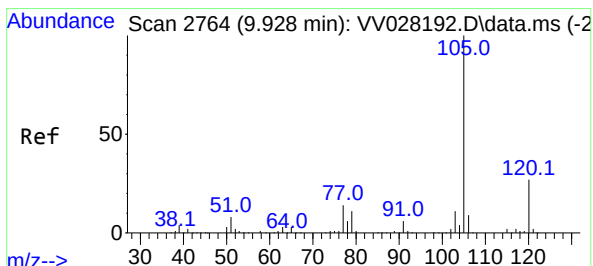
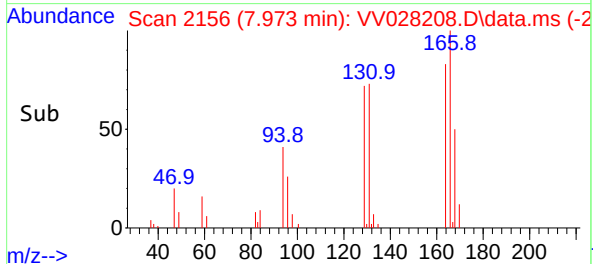
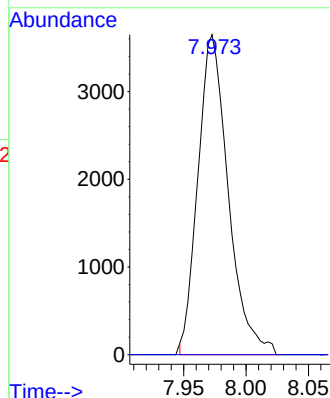
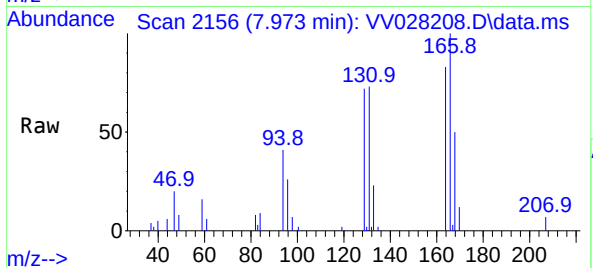
F5H40

Tgt Ion:129 Resp: 6174

Ion Ratio Lower Upper

129 100

127 0.0 54.3 100.9#



#60

Isopropylbenzene

Concen: 0.085 ug/L

RT: 9.931 min Scan# 2765

Delta R.T. 0.003 min

Lab File: VV028208.D

Acq: 30 Sep 2022 00:09

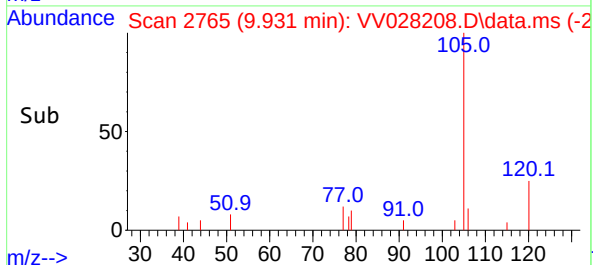
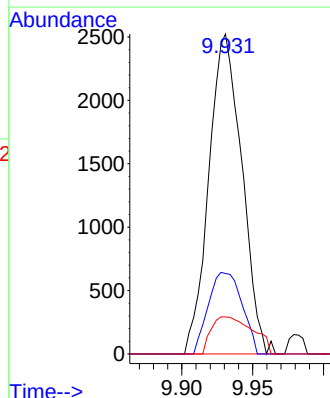
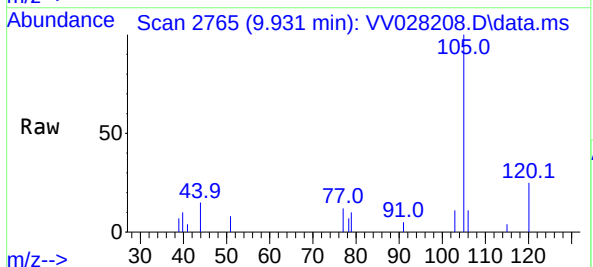
Tgt Ion:105 Resp: 4087

Ion Ratio Lower Upper

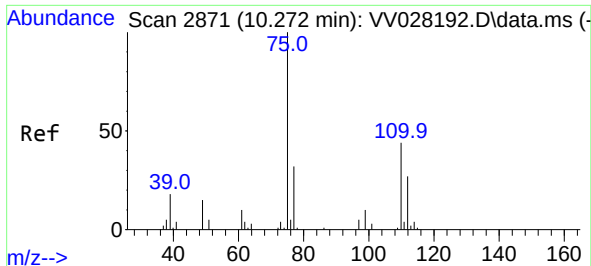
105 100

120 25.9 21.4 32.0

77 14.6 12.2 18.4







#61  
1,2,3-Trichloropropane  
Concen: 1.136 ug/L  
RT: 11.246 min Scan# 31  
Delta R.T. 0.978 min  
Lab File: VV028208.D  
Acq: 30 Sep 2022 00:09

Instrument :  
MSVOA\_V  
ClientSampleId :  
F5H40

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 75 | Resp: | 7790        |
| Ion         | Ratio | Lower Upper |
| 75          | 100   |             |
| 77          | 33.9  | 26.7 40.1   |
| 110         | 2.0   | 30.1 45.1#  |

