

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW091522\  
 Data File : VW027861.D  
 Acq On : 15 Sep 2022 17:52  
 Operator : SY/MD  
 Sample : N4652-07  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EXZ30

Quant Time: Sep 16 01:34:31 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR090622WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Sep 16 01:29:01 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114            | 123696   | 5.000  | ug/L     | 0.03     |
| 28) Chlorobenzene-d5          | 8.850  | 117            | 120473   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152            | 59392    | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65             | 31529    | 3.867  | ug/L     | 0.01     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 77.400%  |          |
| 7) Chloroethane-d5            | 1.568  | 69             | 33512    | 4.845  | ug/L     | 0.01     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 97.000%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63             | 53874    | 3.114  | ug/L     | 0.01     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 62.200%  |          |
| 20) 2-Butanone-d5             | 3.889  | 46             | 80793    | 44.711 | ug/L     | -0.05    |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 89.420%  |          |
| 24) Chloroform-d              | 4.346  | 84             | 85726    | 5.135  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 102.600% |          |
| 26) 1,2-Dichloroethane-d4     | 5.030  | 65             | 44958    | 5.057  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 101.200% |          |
| 32) Benzene-d6                | 5.047  | 84             | 154324   | 4.415  | ug/L     | 0.02     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 88.400%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67             | 42373    | 4.141  | ug/L     | 0.02     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 82.800%  |          |
| 41) Toluene-d8                | 7.313  | 98             | 122476   | 4.167  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 83.400%  |          |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79             | 15034    | 4.379  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 87.600%  |          |
| 46) 2-Hexanone-d5             | 8.088  | 63             | 60025    | 47.039 | ug/L     | -0.02    |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 94.080%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84             | 30750    | 4.680  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 93.600%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152            | 50004    | 5.125  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 102.600% |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        | Qvalue   |          |
| 3) Chloromethane              | 1.243  | 50             | 1011     | 0.091  | ug/L     | 96       |
| 6) Bromomethane               | 1.526  | 94             | 617      | 0.103  | ug/L     | 77       |
| 14) Carbon disulfide          | 2.291  | 76             | 6170     | 0.253  | ug/L #   | 94       |
| 25) Chloroform                | 4.378  | 83             | 15541    | 0.862  | ug/L     | 96       |
| 29) 1,1,1-Trichloroethane     | 4.609  | 97             | 3418     | 0.184  | ug/L #   | 89       |
| 31) Carbon tetrachloride      | 4.831  | 117            | 631      | 0.040  | ug/L     | 96       |
| 35) Methylcyclohexane         | 6.066  | 83             | 12031    | 0.787  | ug/L #   | 18       |
| 37) 1,2-Dichloropropane       | 6.069  | 63             | 5469     | 0.579  | ug/L #   | 85       |
| 47) Tetrachloroethene         | 7.979  | 164            | 838      | 0.105  | ug/L #   | 81       |
| 49) Dibromochloromethane      | 7.966  | 129            | 769      | 0.099  | ug/L #   | 10       |
| 51) Chlorobenzene             | 8.886  | 112            | 829      | 0.033  | ug/L #   | 74       |
| 68) 1,2-Dibromo-3-chloropr... | 12.246 | 75             | 171      | 0.169  | ug/L #   | 1        |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180            | 1147     | 0.080  | ug/L     | 94       |
| 70) 1,2,4-trichlorobenzene    | 13.268 | 180            | 1654     | 0.147  | ug/L     | 92       |
| 71) Naphthalene               | 13.506 | 128            | 9130     | 0.516  | ug/L #   | 88       |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180            | 2038     | 0.203  | ug/L     | 98       |

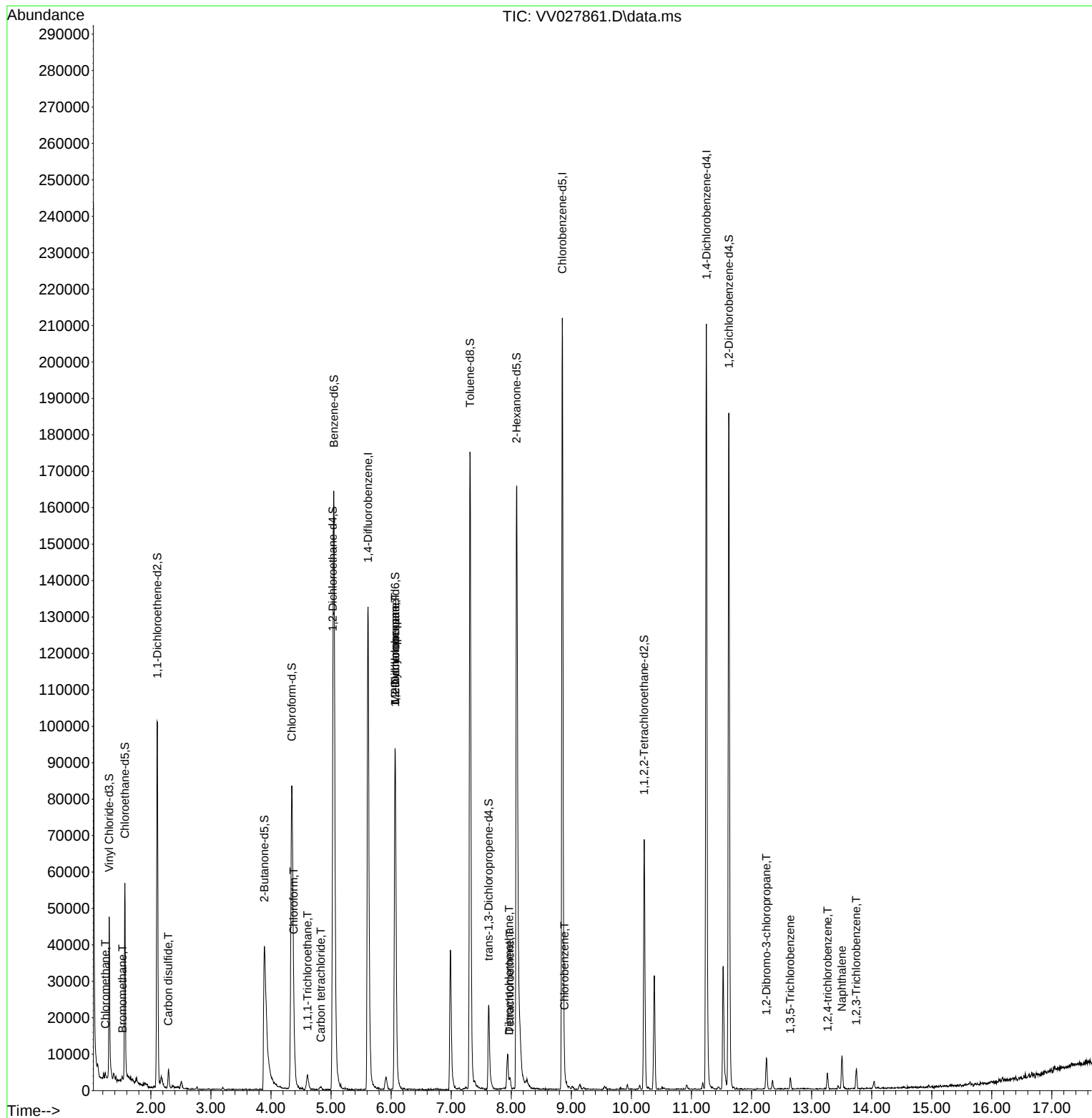
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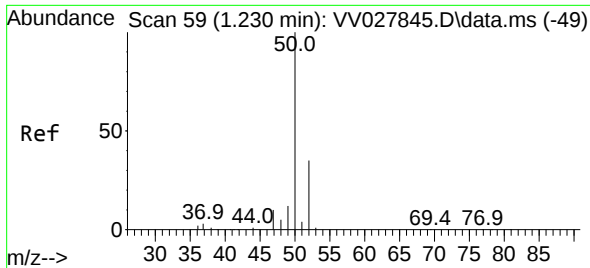
**Instrument :**  
MSVOA\_V  
**ClientSampleId :**  
EXZ30

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV091522\  
Data File : VV027861.D  
Acq On : 15 Sep 2022 17:52  
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Sample : N4652-07  
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ALS Vial : 19 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Quant Time: Sep 16 01:34:31 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR090622WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Sep 16 01:29:01 2022  
Response via : Initial Calibration

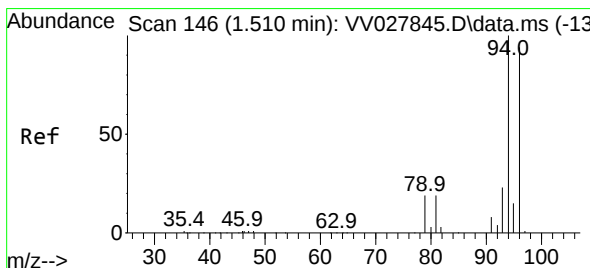
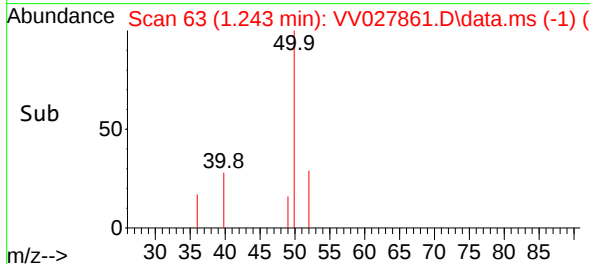
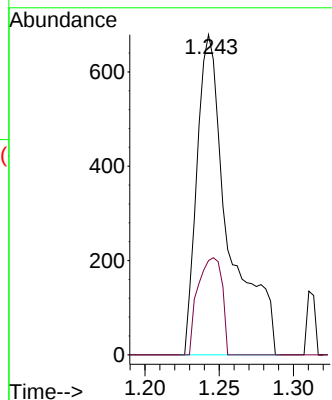
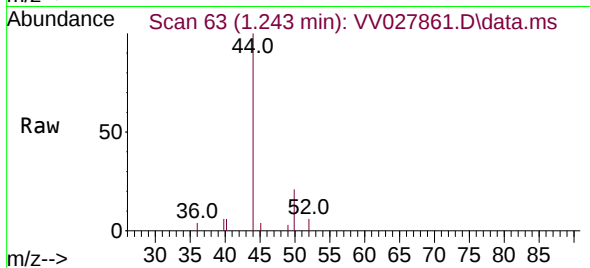




#3  
Chloromethane  
Concen: 0.091 ug/L  
RT: 1.243 min Scan# 61  
Delta R.T. 0.013 min  
Lab File: VV027861.D  
Acq: 15 Sep 2022 17:52

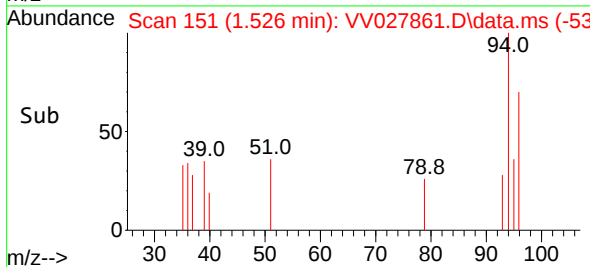
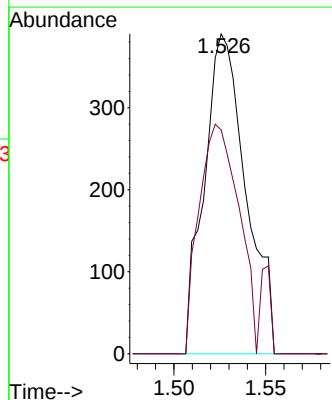
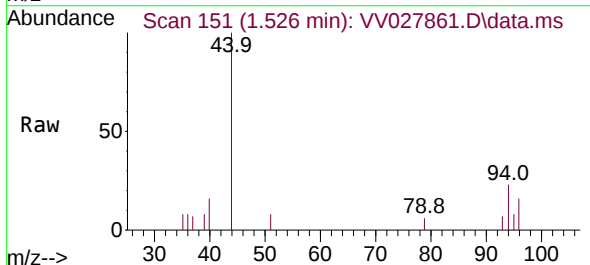
Instrument :  
MSVOA\_V  
ClientSampleId :  
EXZ30

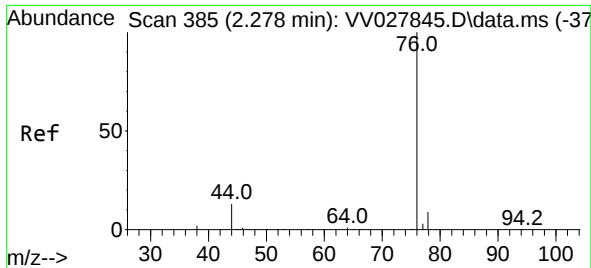
Tgt Ion: 50 Resp: 1011  
Ion Ratio Lower Upper  
50 100  
52 29.5 22.1 41.1



#6  
Bromomethane  
Concen: 0.103 ug/L  
RT: 1.526 min Scan# 151  
Delta R.T. 0.016 min  
Lab File: VV027861.D  
Acq: 15 Sep 2022 17:52

Tgt Ion: 94 Resp: 617  
Ion Ratio Lower Upper  
94 100  
96 70.0 64.2 119.2

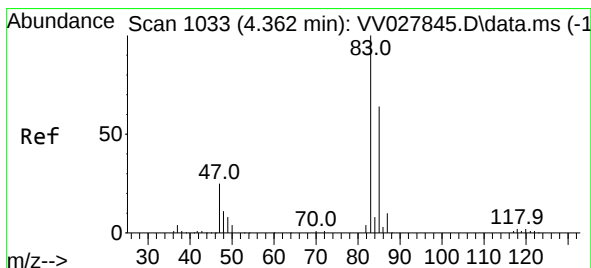
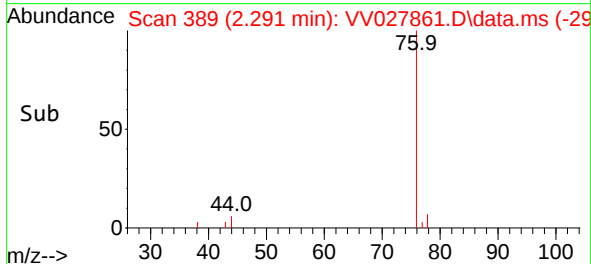
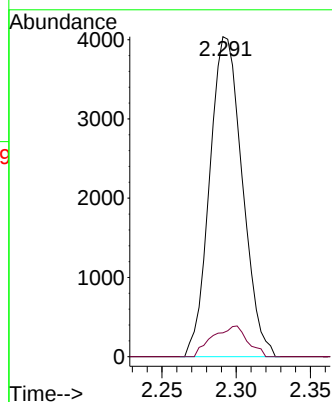
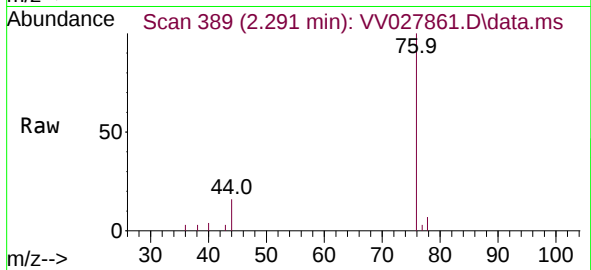




#14  
Carbon disulfide  
Concen: 0.253 ug/L  
RT: 2.291 min Scan# 31  
Delta R.T. 0.013 min  
Lab File: VV027861.D  
Acq: 15 Sep 2022 17:52

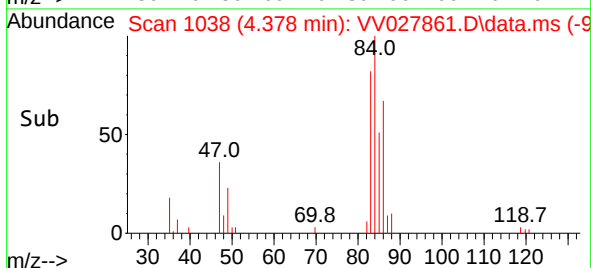
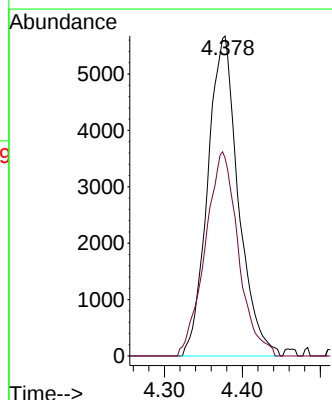
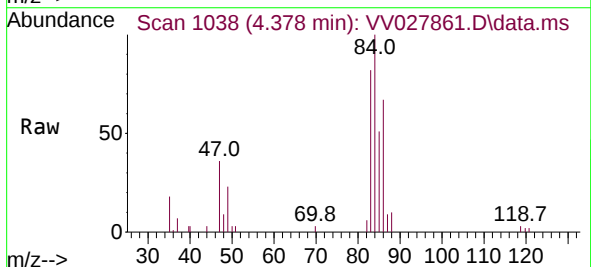
Instrument :  
MSVOA\_V  
ClientSampleId :  
EXZ30

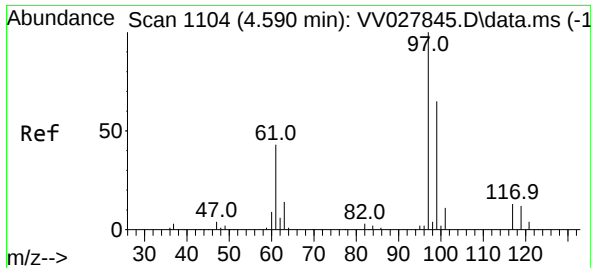
Tgt Ion: 76 Resp: 6170  
Ion Ratio Lower Upper  
76 100  
78 7.5 7.7 11.5#



#25  
Chloroform  
Concen: 0.862 ug/L  
RT: 4.378 min Scan# 1038  
Delta R.T. 0.016 min  
Lab File: VV027861.D  
Acq: 15 Sep 2022 17:52

Tgt Ion: 83 Resp: 15541  
Ion Ratio Lower Upper  
83 100  
85 61.9 45.4 84.2





#29

1,1,1-Trichloroethane

Concen: 0.184 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. 0.019 min

Lab File: VV027861.D

Acq: 15 Sep 2022 17:52

Instrument :

MSVOA\_V

ClientSampleId :

EXZ30

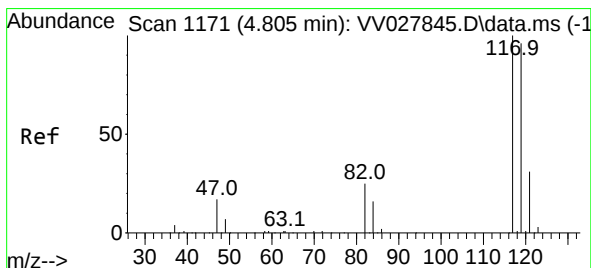
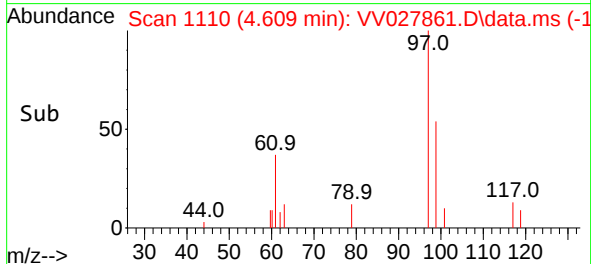
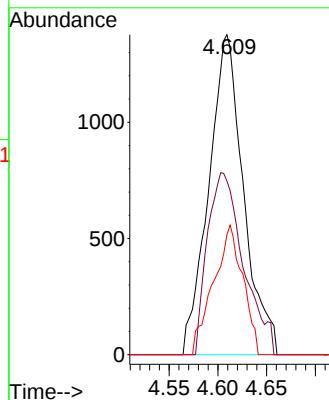
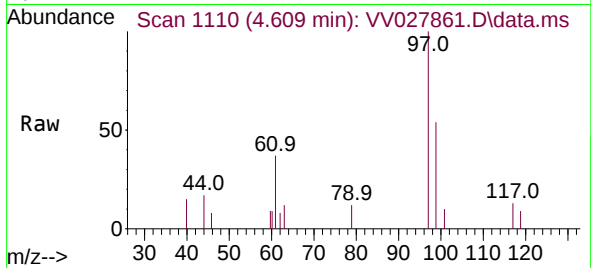
Tgt Ion: 97 Resp: 3418

Ion Ratio Lower Upper

97 100

99 58.8 50.8 76.2

61 34.1 36.2 54.4#



#31

Carbon tetrachloride

Concen: 0.040 ug/L

RT: 4.831 min Scan# 1179

Delta R.T. 0.026 min

Lab File: VV027861.D

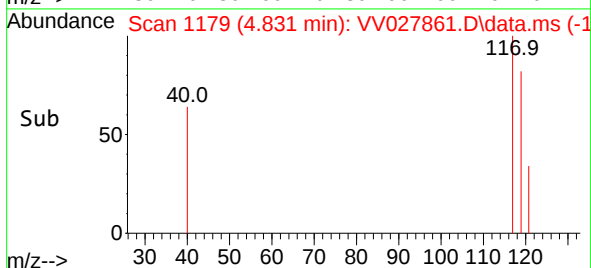
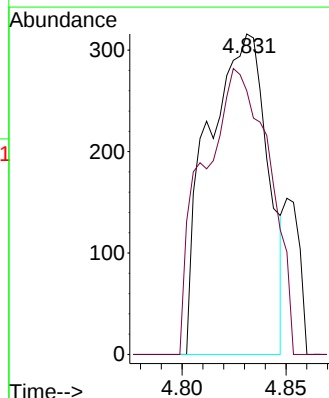
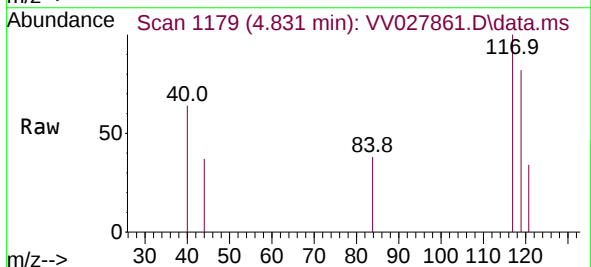
Acq: 15 Sep 2022 17:52

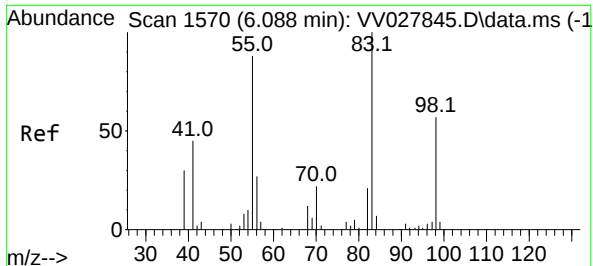
Tgt Ion: 117 Resp: 631

Ion Ratio Lower Upper

117 100

119 98.7 75.8 113.8

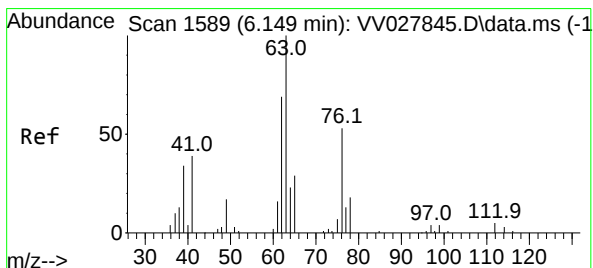
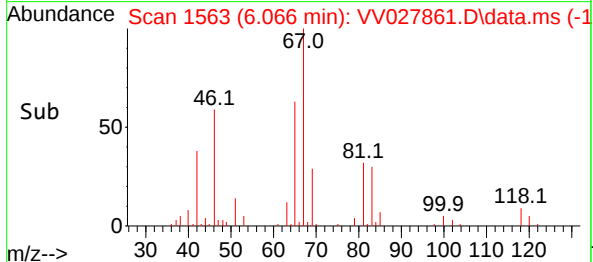
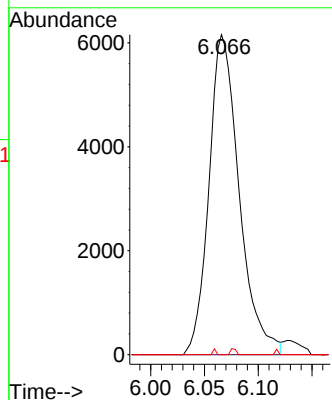
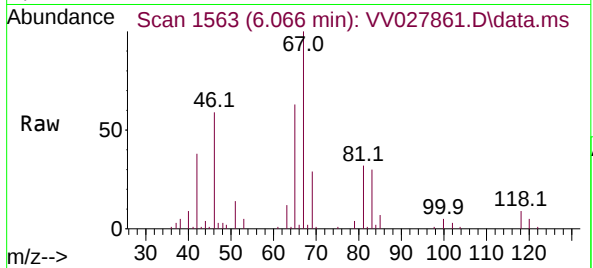




#35  
Methylcyclohexane  
Concen: 0.787 ug/L  
RT: 6.066 min Scan# 1563  
Delta R.T. -0.023 min  
Lab File: VV027861.D  
Acq: 15 Sep 2022 17:52

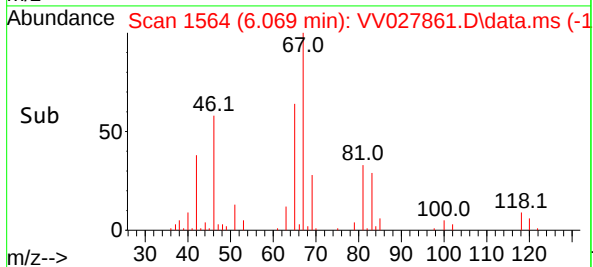
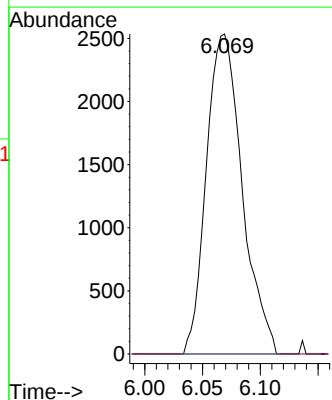
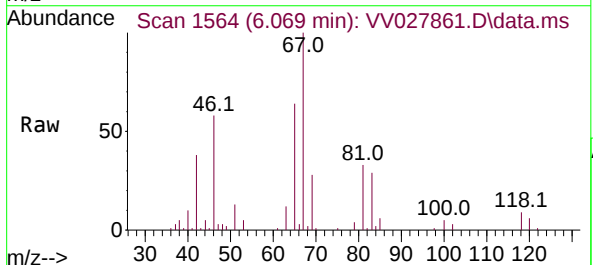
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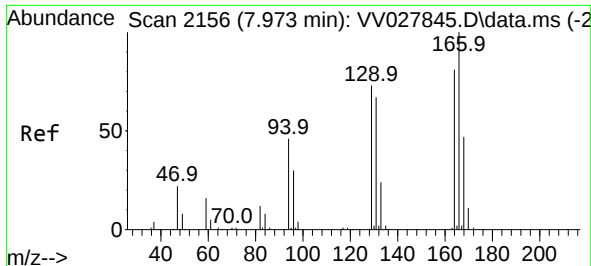
Tgt Ion: 83 Resp: 12031  
Ion Ratio Lower Upper  
83 100  
55 0.0 61.9 92.9#  
98 0.2 37.5 56.3#



#37  
1,2-Dichloropropane  
Concen: 0.579 ug/L  
RT: 6.069 min Scan# 1564  
Delta R.T. -0.080 min  
Lab File: VV027861.D  
Acq: 15 Sep 2022 17:52

Tgt Ion: 63 Resp: 5469  
Ion Ratio Lower Upper  
63 100  
112 0.0 4.0 6.0#

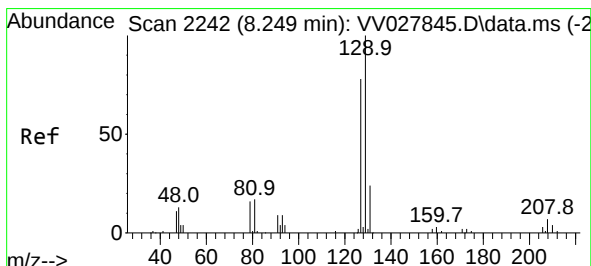
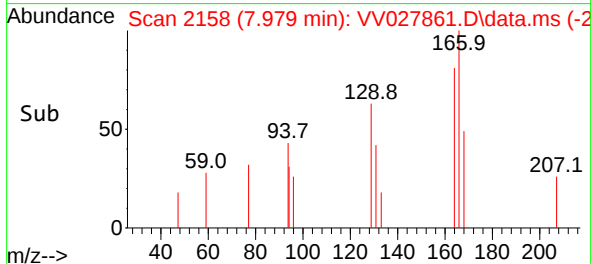
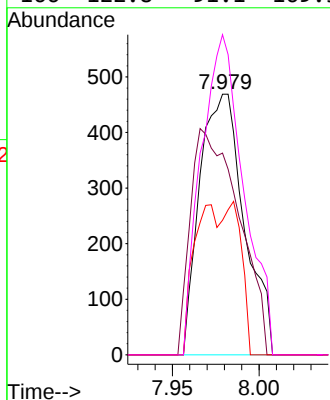
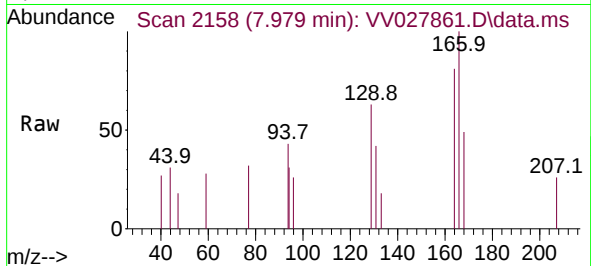




#47  
Tetrachloroethene  
Concen: 0.105 ug/L  
RT: 7.979 min Scan# 2158  
Delta R.T. 0.006 min  
Lab File: VV027861.D  
Acq: 15 Sep 2022 17:52

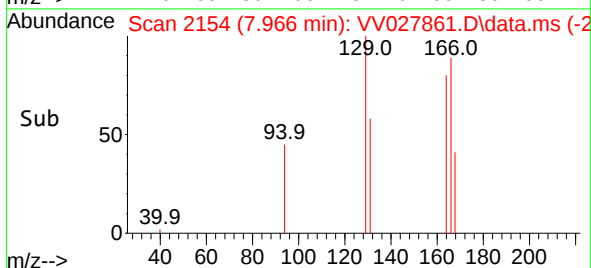
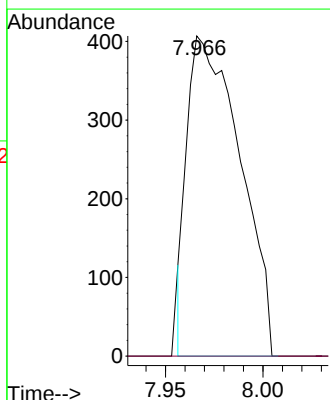
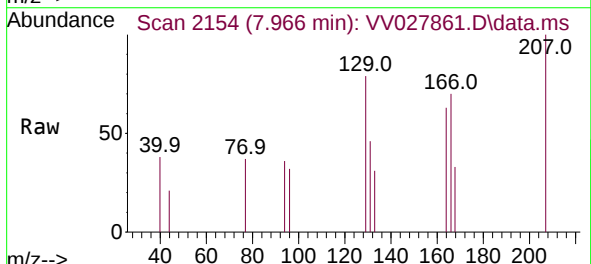
Instrument :  
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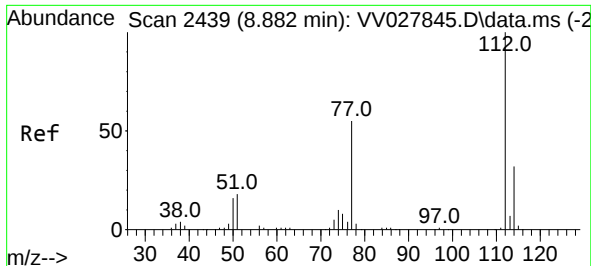
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|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 838   |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 77.4  | 67.2  | 124.8 |
| 131      | 51.6  | 61.5  | 114.3 |
| 166      | 122.8 | 91.1  | 169.3 |



#49  
Dibromochloromethane  
Concen: 0.099 ug/L  
RT: 7.966 min Scan# 2154  
Delta R.T. -0.283 min  
Lab File: VV027861.D  
Acq: 15 Sep 2022 17:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 769   |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 0.0   | 55.2  | 102.6 |

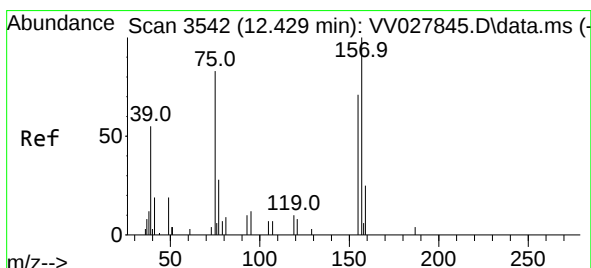
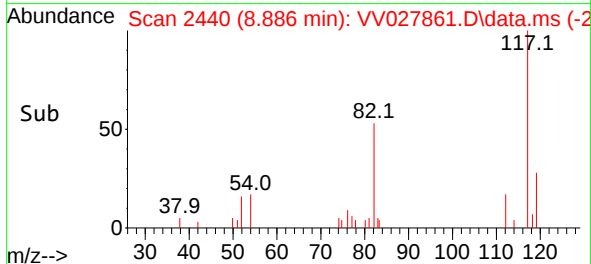
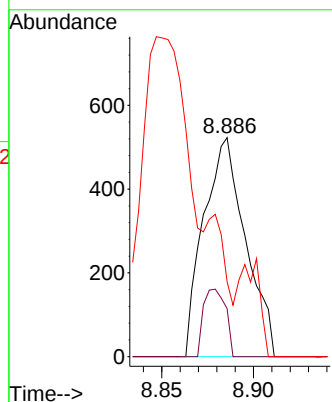
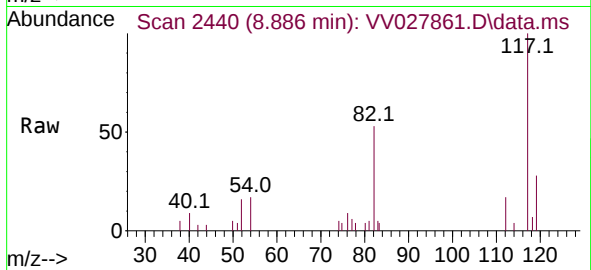




#51  
Chlorobenzene  
Concen: 0.033 ug/L  
RT: 8.886 min Scan# 2439  
Delta R.T. 0.003 min  
Lab File: VV027861.D  
Acq: 15 Sep 2022 17:52

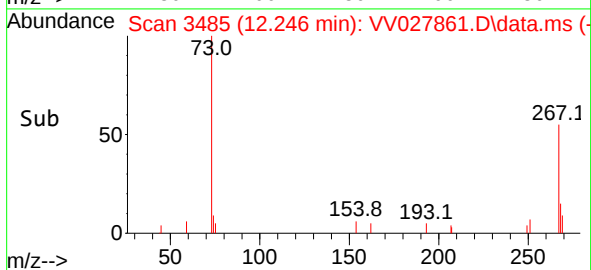
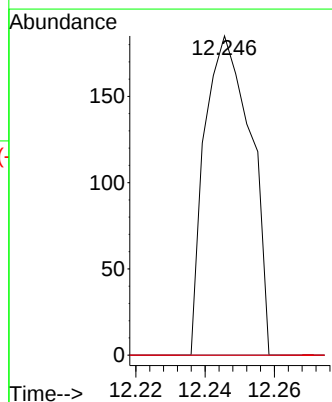
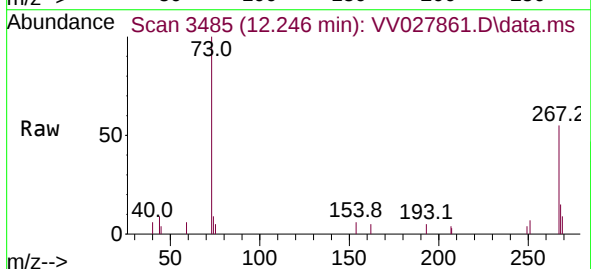
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MSVOA\_V  
ClientSampleId :  
EXZ30

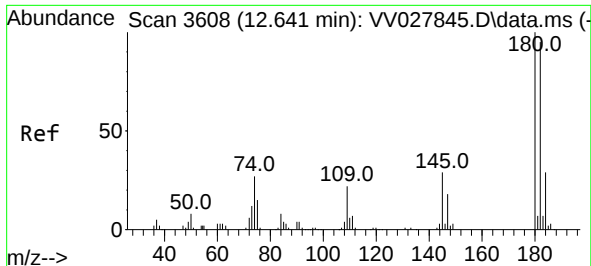
Tgt Ion: 112 Resp: 829  
Ion Ratio Lower Upper  
112 100  
114 22.0 21.7 40.3  
77 34.2 45.3 67.9#



#68  
1,2-Dibromo-3-chloropropane  
Concen: 0.169 ug/L  
RT: 12.246 min Scan# 3485  
Delta R.T. -0.183 min  
Lab File: VV027861.D  
Acq: 15 Sep 2022 17:52

Tgt Ion: 75 Resp: 171  
Ion Ratio Lower Upper  
75 100  
155 0.0 71.9 107.9#  
157 0.0 95.1 142.7#





#69

1,3,5-Trichlorobenzene

Concen: 0.080 ug/L

RT: 12.644 min Scan# 3608

Delta R.T. 0.003 min

Lab File: VV027861.D

Acq: 15 Sep 2022 17:52

Instrument :

MSVOA\_V

ClientSampleId :

EXZ30

Tgt Ion:180 Resp: 1147

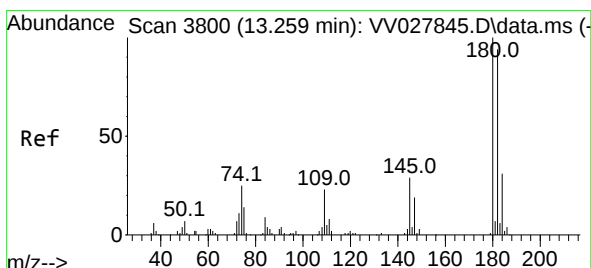
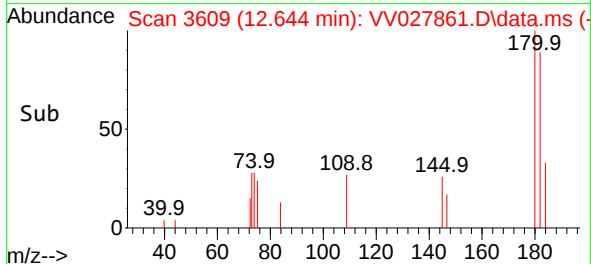
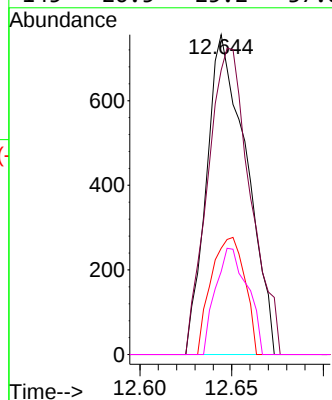
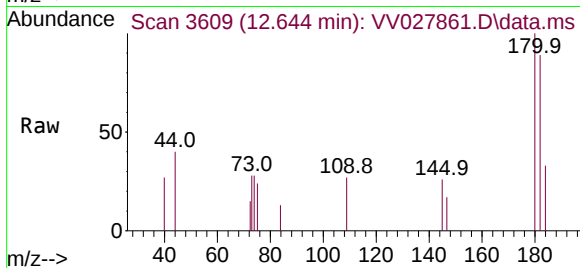
Ion Ratio Lower Upper

180 100

182 101.6 75.8 113.8

184 30.8 23.8 35.6

145 26.5 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 0.147 ug/L

RT: 13.268 min Scan# 3803

Delta R.T. 0.010 min

Lab File: VV027861.D

Acq: 15 Sep 2022 17:52

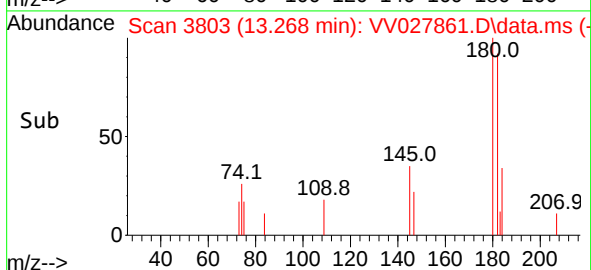
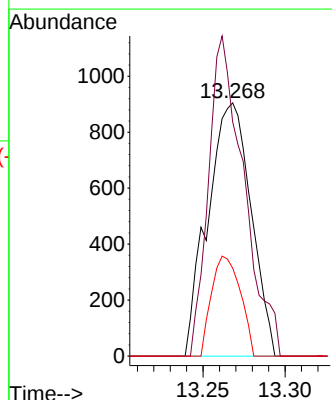
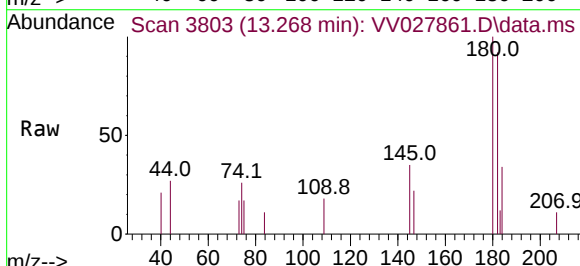
Tgt Ion:180 Resp: 1654

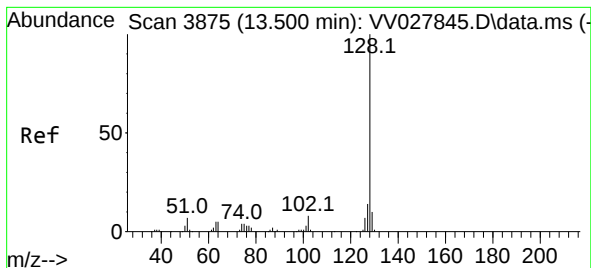
Ion Ratio Lower Upper

180 100

182 103.2 76.6 114.8

145 26.3 24.6 37.0





#71

Naphthalene

Concen: 0.516 ug/L

RT: 13.506 min Scan# 3875

Delta R.T. 0.006 min

Lab File: VV027861.D

Acq: 15 Sep 2022 17:52

Instrument :

MSVOA\_V

ClientSampleId :

EXZ30

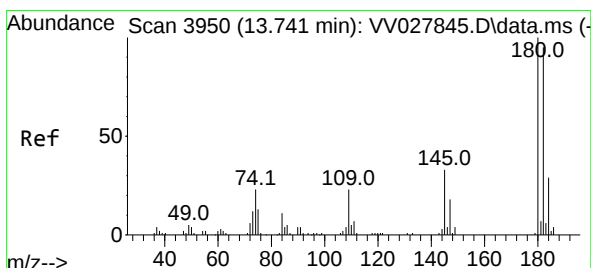
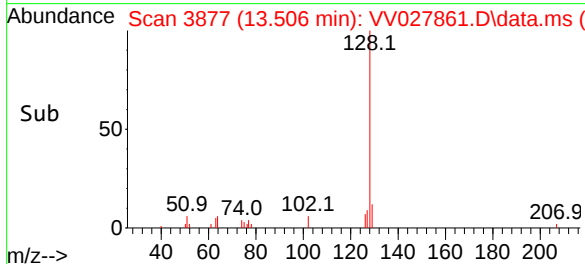
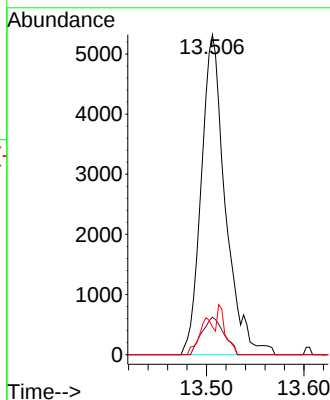
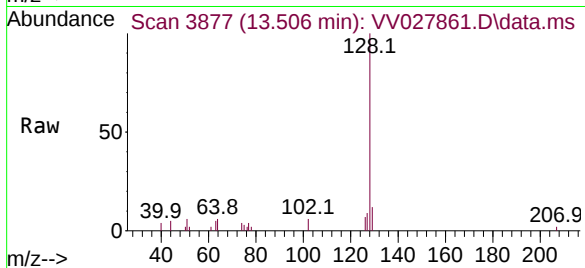
Tgt Ion:128 Resp: 9130

Ion Ratio Lower Upper

128 100

129 10.8 9.2 13.8

127 5.3 10.6 16.0#



#72

1,2,3-Trichlorobenzene

Concen: 0.203 ug/L

RT: 13.744 min Scan# 3951

Delta R.T. 0.003 min

Lab File: VV027861.D

Acq: 15 Sep 2022 17:52

Tgt Ion:180 Resp: 2038

Ion Ratio Lower Upper

180 100

182 97.4 76.5 114.7

145 32.0 26.5 39.7

