

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW102122\  
 Data File : VW028653.D  
 Acq On : 21 Oct 2022 11:30  
 Operator : SY/MD  
 Sample : N5216-07  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BHAD1

Quant Time: Oct 21 23:00:36 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR102022WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Oct 21 22:58:36 2022  
 Response via : Initial Calibration

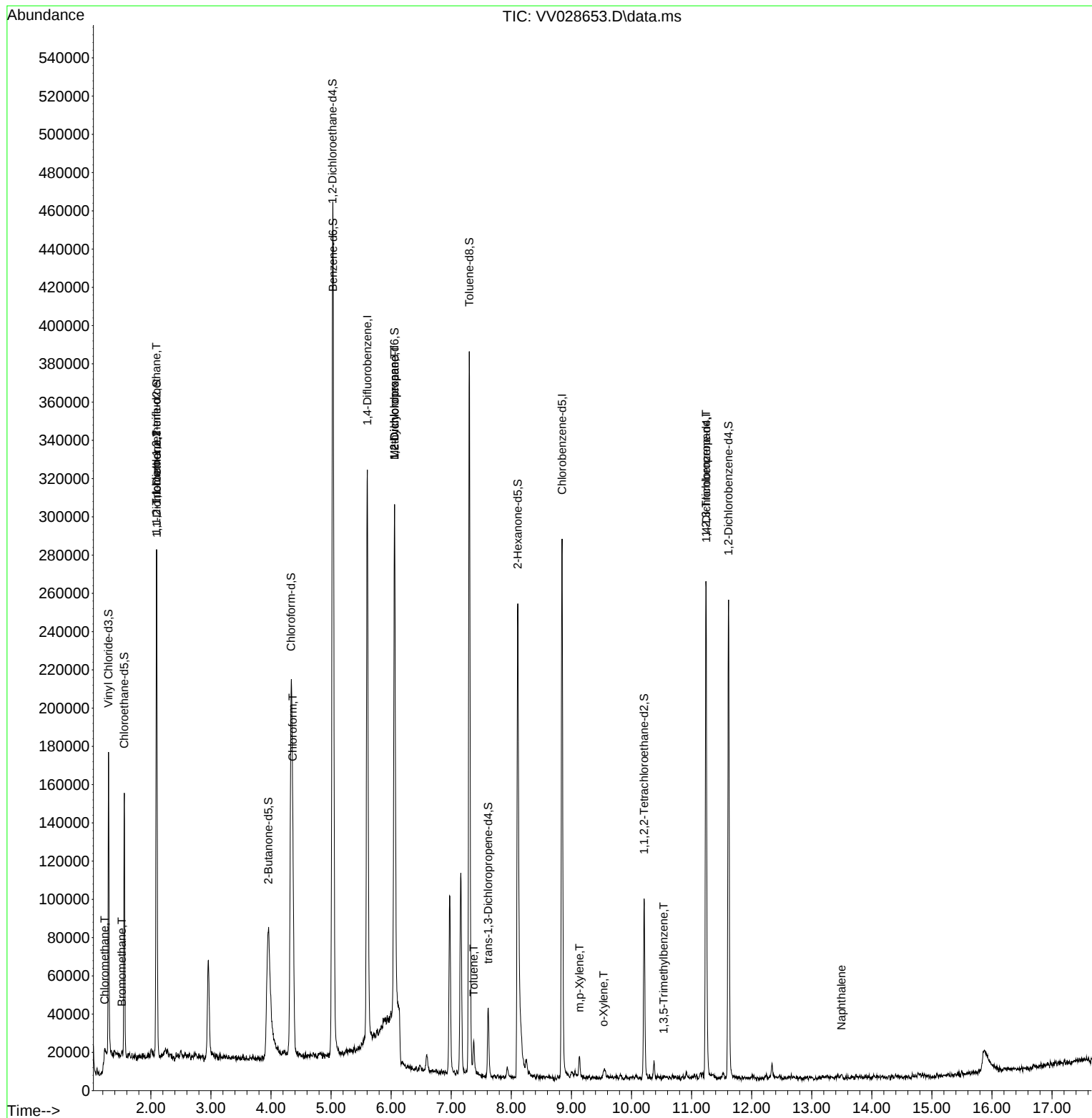
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.603  | 114   | 217670   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.844  | 117   | 140267   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.243 | 152   | 61110    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.294  | 65    | 103650   | 4.810    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 96.200%  |
| 7) Chloroethane-d5            | 1.558  | 69    | 84167    | 4.969    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 99.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.095  | 63    | 146072   | 3.900    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 78.000%  |
| 20) 2-Butanone-d5             | 3.957  | 46    | 203632   | 50.204   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 100.400% |
| 24) Chloroform-d              | 4.333  | 84    | 168228   | 5.263    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 105.200% |
| 26) 1,2-Dichloroethane-d4     | 5.024  | 65    | 87590    | 5.059    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 101.200% |
| 32) Benzene-d6                | 5.031  | 84    | 341885   | 5.602    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 112.000% |
| 36) 1,2-Dichloropropane-d6    | 6.056  | 67    | 118206   | 6.177    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 123.600% |
| 41) Toluene-d8                | 7.301  | 98    | 232948   | 5.278    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 105.600% |
| 43) trans-1,3-Dichloroprop... | 7.616  | 79    | 18786    | 4.044    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 80.800%  |
| 46) 2-Hexanone-d5             | 8.104  | 63    | 90585    | 46.962   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 93.920%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.210 | 84    | 45740    | 5.060    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 101.200% |
| 66) 1,2-Dichlorobenzene-d4    | 11.616 | 152   | 57664    | 5.250    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 105.000% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
| 3) Chloromethane              | 1.230  | 50    | 2694     | 0.128    | ug/L   | 100      |
| 6) Bromomethane               | 1.516  | 94    | 992      | 0.100    | ug/L   | 90       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.092  | 101   | 1763     | 0.118    | ug/L # | 27       |
| 12) 1,1-Dichloroethene        | 2.098  | 96    | 1560     | 0.111    | ug/L # | 1        |
| 25) Chloroform                | 4.362  | 83    | 89038    | 2.626    | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.056  | 83    | 27600    | 1.158    | ug/L # | 15       |
| 37) 1,2-Dichloropropane       | 6.056  | 63    | 14593    | 0.829    | ug/L # | 93       |
| 42) Toluene                   | 7.375  | 91    | 11118    | 0.204    | ug/L   | 97       |
| 53) m,p-Xylene                | 9.133  | 106   | 2175     | 0.106    | ug/L   | 69       |
| 54) o-Xylene                  | 9.535  | 106   | 1154     | 0.057    | ug/L   | 68       |
| 61) 1,2,3-Trichloropropane    | 11.239 | 75    | 9554     | 1.443    | ug/L # | 70       |
| 62) 1,3,5-Trimethylbenzene    | 10.535 | 105   | 489      | 0.033    | ug/L   | 89       |
| 71) Naphthalene               | 13.493 | 128   | 1068     | 0.056    | ug/L # | 92       |
| -----                         |        |       |          |          |        |          |

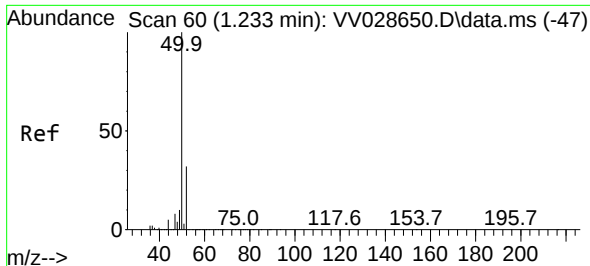
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV102122\  
Data File : VV028653.D  
Acq On : 21 Oct 2022 11:30  
Operator : SY/MD  
Sample : N5216-07  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId :  
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Quant Time: Oct 21 23:00:36 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR102022WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Oct 21 22:58:36 2022  
Response via : Initial Calibration

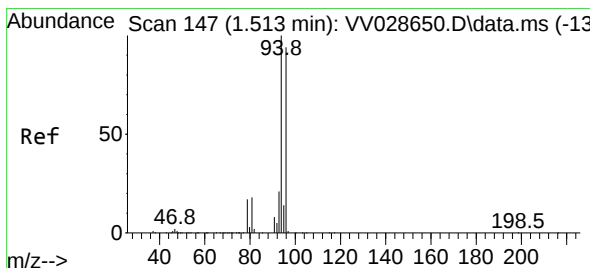
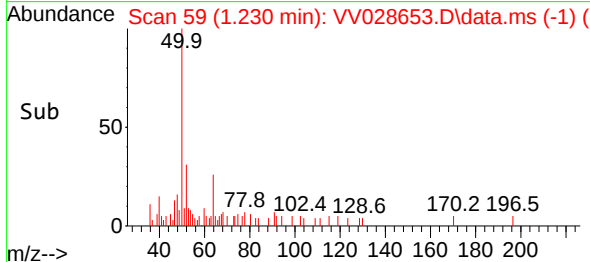
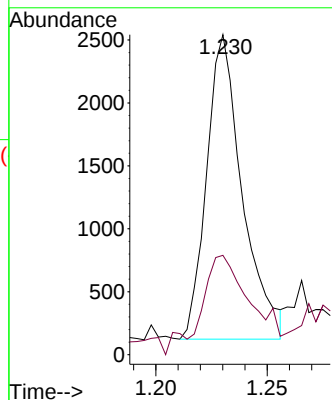
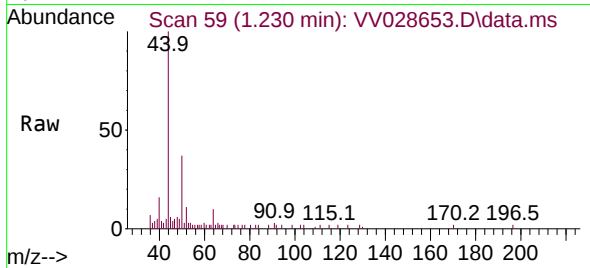




#3  
Chloromethane  
Concen: 0.128 ug/L  
RT: 1.230 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: VV028653.D  
Acq: 21 Oct 2022 11:30

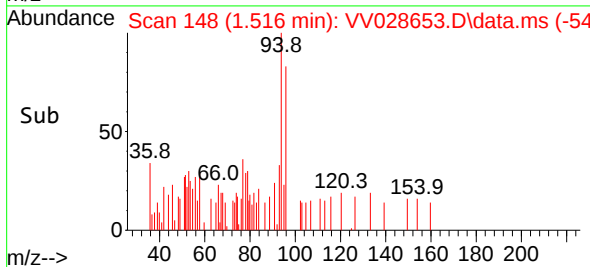
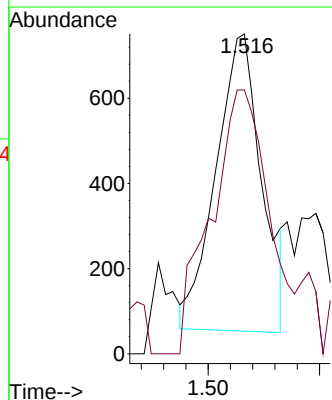
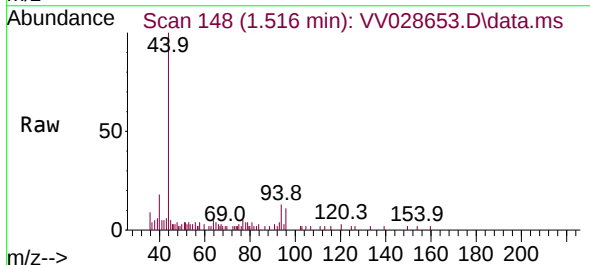
Instrument :  
MSVOA\_V  
ClientSampleId :  
BHAD1

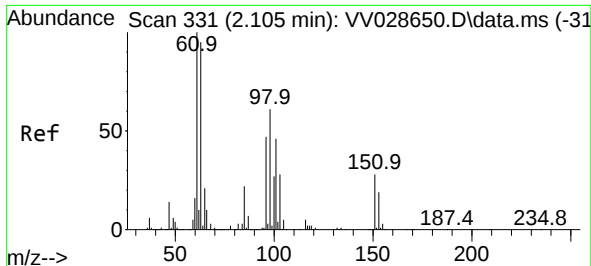
Tgt Ion: 50 Resp: 2694  
Ion Ratio Lower Upper  
50 100  
52 31.0 21.8 40.6



#6  
Bromomethane  
Concen: 0.100 ug/L  
RT: 1.516 min Scan# 148  
Delta R.T. 0.003 min  
Lab File: VV028653.D  
Acq: 21 Oct 2022 11:30

Tgt Ion: 94 Resp: 992  
Ion Ratio Lower Upper  
94 100  
96 82.6 64.3 119.3

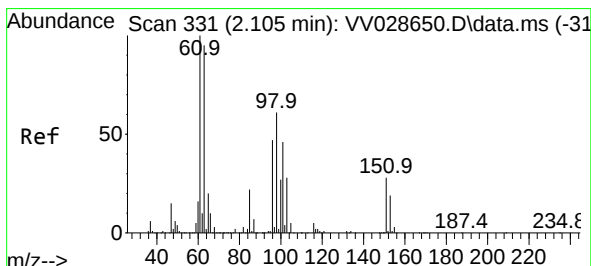
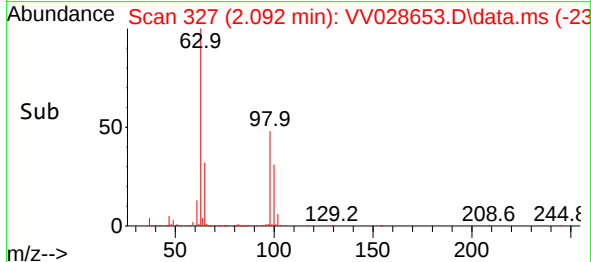
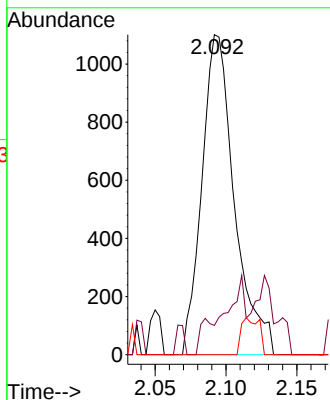
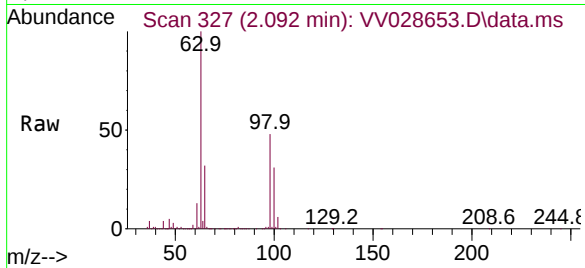




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.118 ug/L  
RT: 2.092 min Scan# 31  
Delta R.T. -0.013 min  
Lab File: VV028653.D  
Acq: 21 Oct 2022 11:30

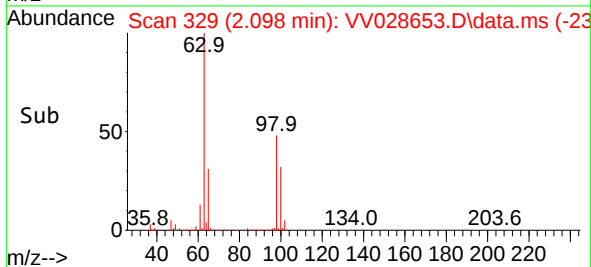
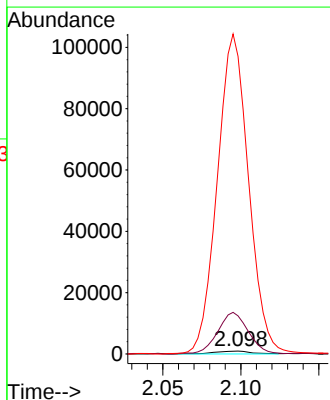
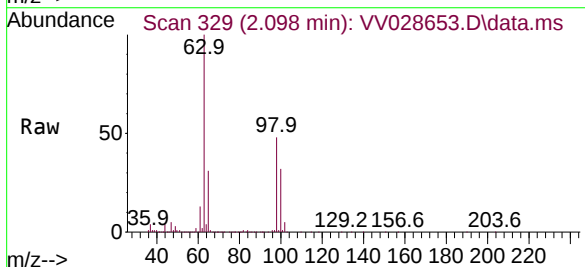
Instrument :  
MSVOA\_V  
ClientSampleId :  
BHAD1

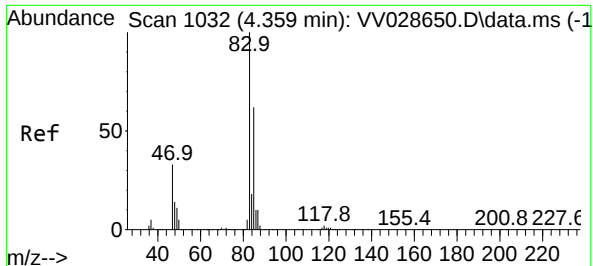
Tgt Ion:101 Resp: 1763  
Ion Ratio Lower Upper  
101 100  
85 4.8 37.0 55.6#  
151 0.0 50.2 75.2#



#12  
1,1-Dichloroethene  
Concen: 0.111 ug/L  
RT: 2.098 min Scan# 329  
Delta R.T. -0.006 min  
Lab File: VV028653.D  
Acq: 21 Oct 2022 11:30

Tgt Ion: 96 Resp: 1560  
Ion Ratio Lower Upper  
96 100  
61 1347.1 148.1 275.1#  
63 10503.9 133.3 247.7#

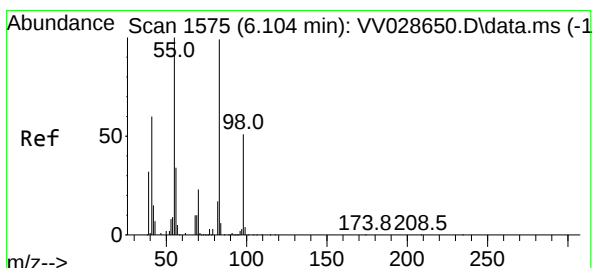
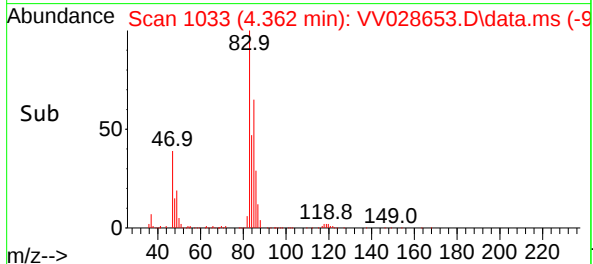
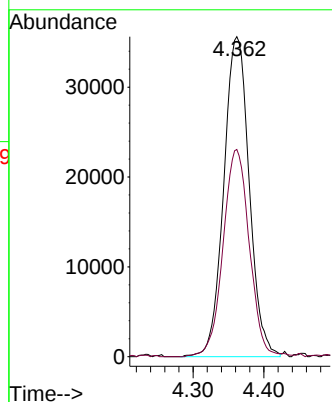
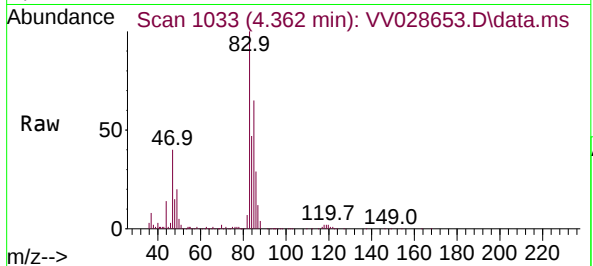




#25  
Chloroform  
Concen: 2.626 ug/L  
RT: 4.362 min Scan# 1033  
Delta R.T. 0.003 min  
Lab File: VV028653.D  
Acq: 21 Oct 2022 11:30

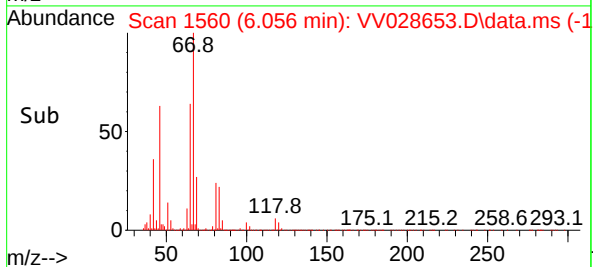
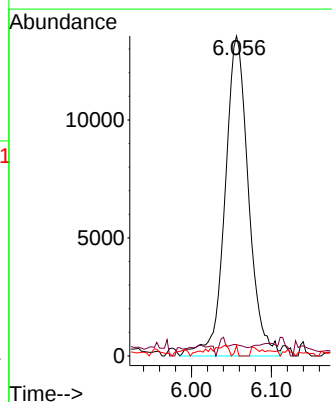
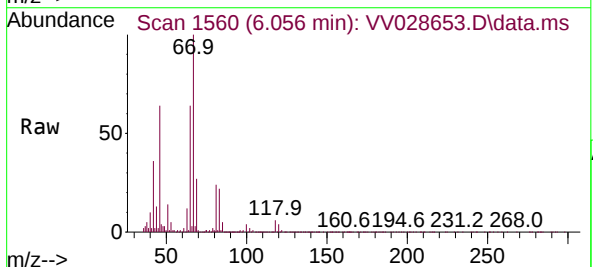
Instrument :  
MSVOA\_V  
ClientSampleId :  
BHAD1

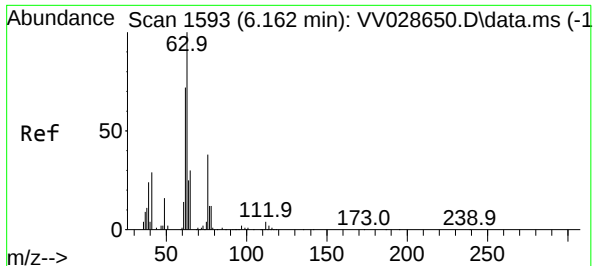
Tgt Ion: 83 Resp: 89038  
Ion Ratio Lower Upper  
83 100  
85 64.8 44.1 81.9



#35  
Methylcyclohexane  
Concen: 1.158 ug/L  
RT: 6.056 min Scan# 1560  
Delta R.T. -0.048 min  
Lab File: VV028653.D  
Acq: 21 Oct 2022 11:30

Tgt Ion: 83 Resp: 27600  
Ion Ratio Lower Upper  
83 100  
55 0.9 70.0 105.0#  
98 0.4 35.6 53.4#





#37

1,2-Dichloropropane

Concen: 0.829 ug/L

RT: 6.056 min Scan# 11

Delta R.T. -0.106 min

Lab File: VV028653.D

Acq: 21 Oct 2022 11:30

Instrument :

MSVOA\_V

ClientSampleId :

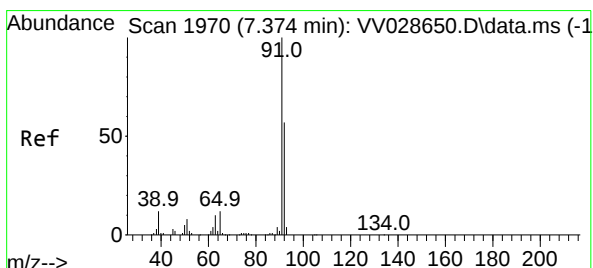
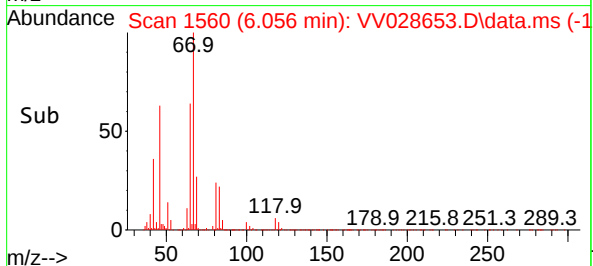
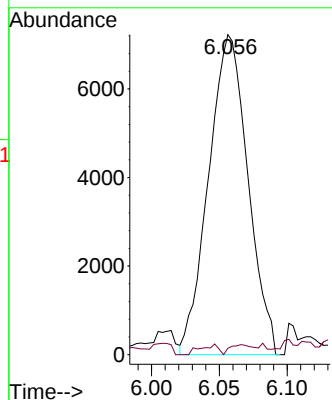
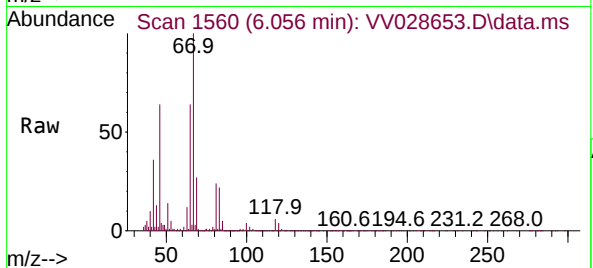
BHAD1

Tgt Ion: 63 Resp: 14593

Ion Ratio Lower Upper

63 100

112 1.9 3.4 5.2#



#42

Toluene

Concen: 0.204 ug/L

RT: 7.375 min Scan# 1970

Delta R.T. 0.000 min

Lab File: VV028653.D

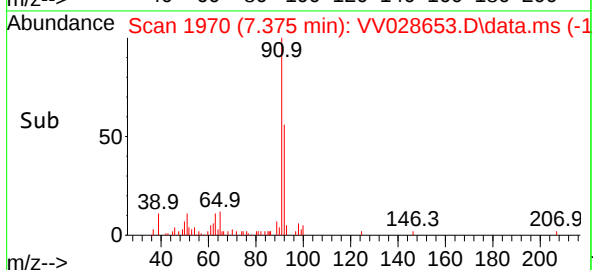
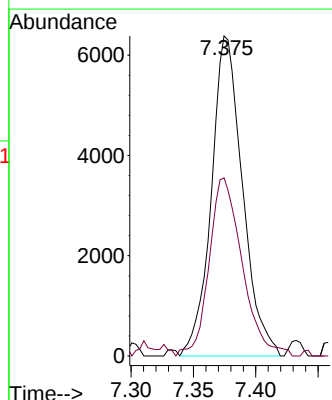
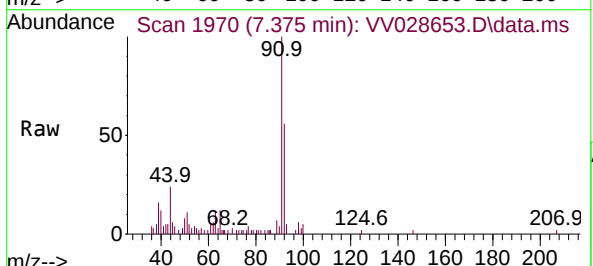
Acq: 21 Oct 2022 11:30

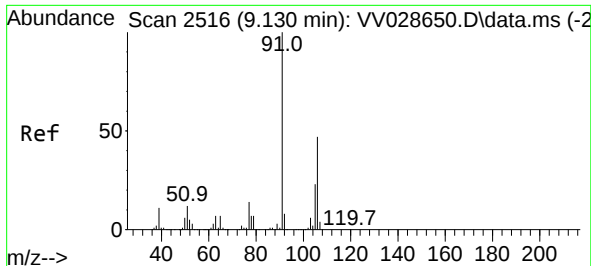
Tgt Ion: 91 Resp: 11118

Ion Ratio Lower Upper

91 100

92 55.6 40.5 75.3

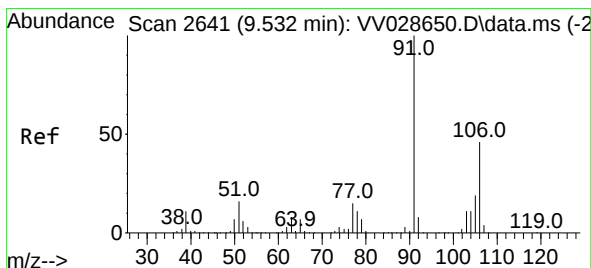
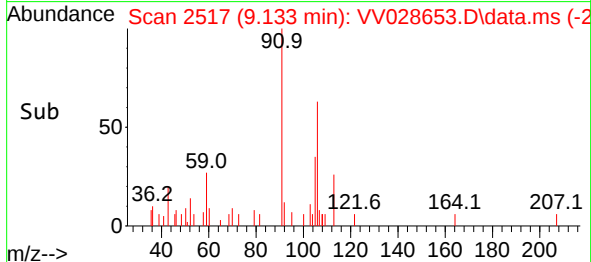
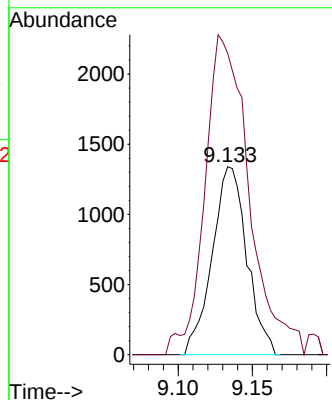
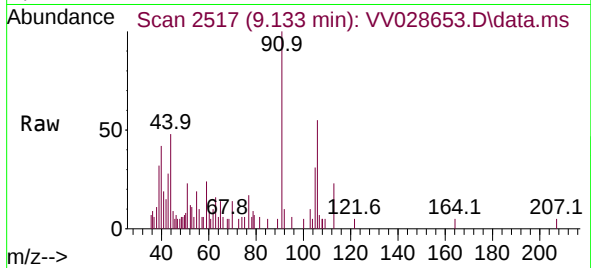




#53  
m,p-Xylene  
Concen: 0.106 ug/L  
RT: 9.133 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV028653.D  
Acq: 21 Oct 2022 11:30

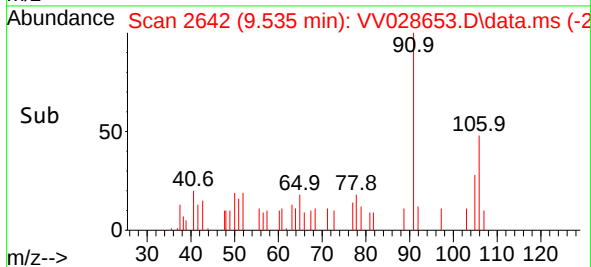
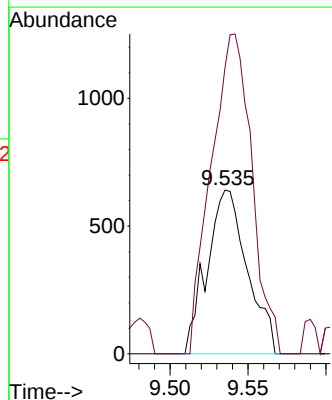
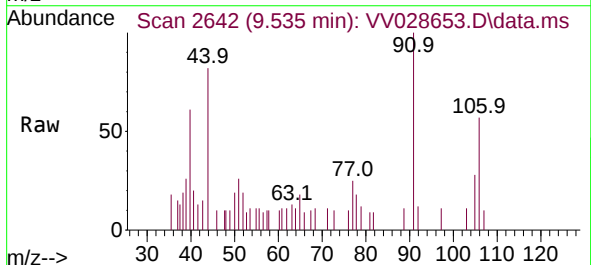
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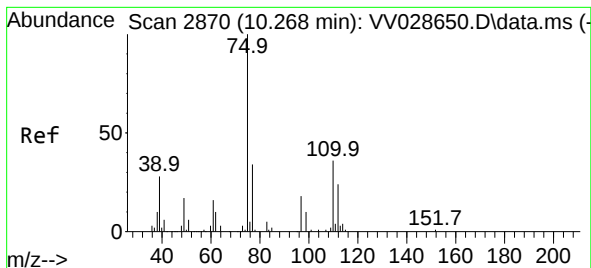
Tgt Ion:106 Resp: 2175  
Ion Ratio Lower Upper  
106 100  
91 160.3 145.5 270.1



#54  
o-Xylene  
Concen: 0.057 ug/L  
RT: 9.535 min Scan# 2642  
Delta R.T. 0.003 min  
Lab File: VV028653.D  
Acq: 21 Oct 2022 11:30

Tgt Ion:106 Resp: 1154  
Ion Ratio Lower Upper  
106 100  
91 174.9 159.0 295.4





#61

1,2,3-Trichloropropane

Concen: 1.443 ug/L

RT: 11.239 min Scan# 3172

Delta R.T. 0.971 min

Lab File: VV028653.D

Acq: 21 Oct 2022 11:30

Instrument :

MSVOA\_V

ClientSampleId :

BHAD1

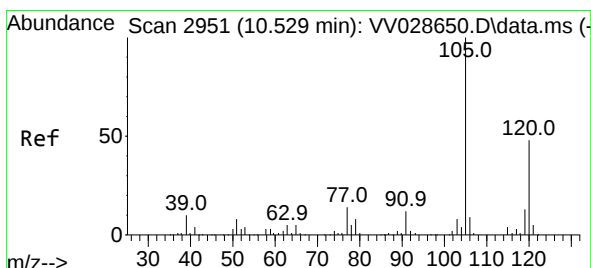
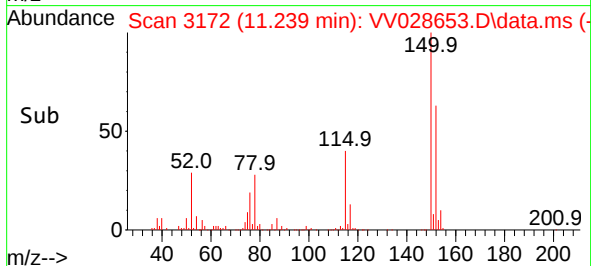
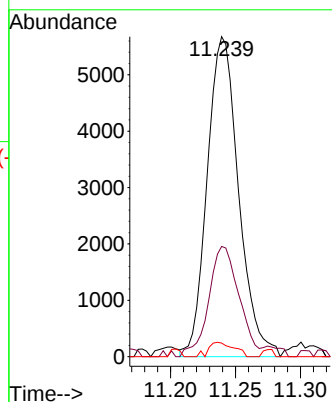
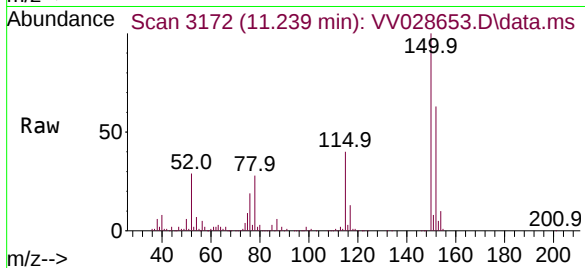
Tgt Ion: 75 Resp: 9554

Ion Ratio Lower Upper

75 100

77 33.1 25.2 37.8

110 3.6 27.9 41.9#



#62

1,3,5-Trimethylbenzene

Concen: 0.033 ug/L

RT: 10.535 min Scan# 2953

Delta R.T. 0.006 min

Lab File: VV028653.D

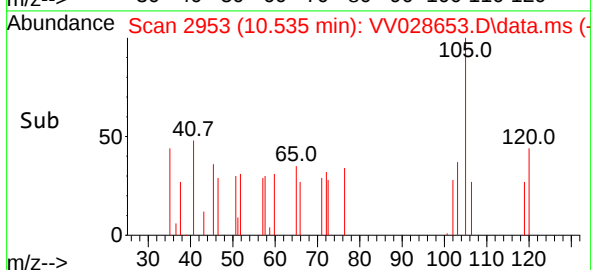
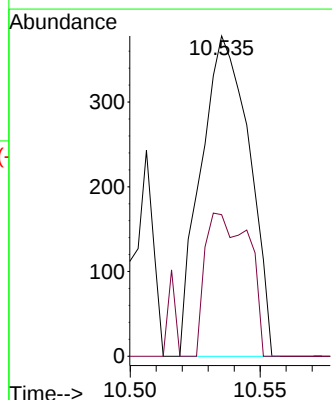
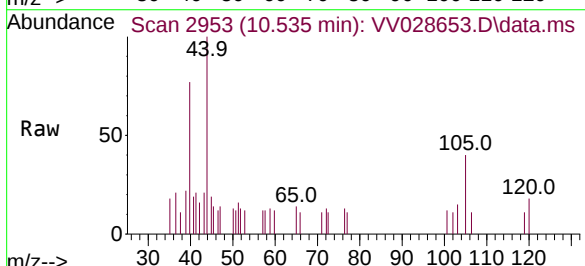
Acq: 21 Oct 2022 11:30

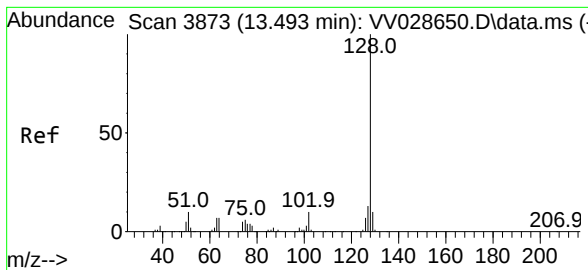
Tgt Ion: 105 Resp: 489

Ion Ratio Lower Upper

105 100

120 40.3 38.3 57.5





#71  
Naphthalene  
Concen: 0.056 ug/L  
RT: 13.493 min Scan# 3873  
Delta R.T. 0.000 min  
Lab File: VV028653.D  
Acq: 21 Oct 2022 11:30

Instrument :  
MSVOA\_V  
ClientSampleId :  
BHAD1

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 1068  |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 5.8   | 8.9   | 13.3# |
| 127       | 13.9  | 10.2  | 15.4  |

