

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW121521\  
 Data File : VW023985.D  
 Acq On : 15 Dec 2021 16:51  
 Operator : SY/MD  
 Sample : M4971-02  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG3D8

Quant Time: Dec 16 04:50:36 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR121021WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Dec 16 04:44:29 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114   | 93780    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 99759    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 50104    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 16753    | 3.323    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 66.400%  |
| 7) Chloroethane-d5            | 1.565  | 69    | 17809    | 4.234    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 84.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 24027    | 2.442    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 48.800%# |
| 20) 2-Butanone-d5             | 3.902  | 46    | 44019    | 44.691   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 89.380%  |
| 24) Chloroform-d              | 4.349  | 84    | 53263    | 4.664    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 26382    | 4.962    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 99.200%  |
| 32) Benzene-d6                | 5.050  | 84    | 80153    | 4.057    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 81.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67    | 27355    | 4.589    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 91.800%  |
| 41) Toluene-d8                | 7.317  | 98    | 59156    | 3.325    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 66.600%# |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 10437    | 4.220    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 84.400%  |
| 46) 2-Hexanone-d5             | 8.092  | 63    | 53611    | 48.426   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 96.860%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 24324    | 4.919    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 98.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 32426    | 4.845    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 96.800%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 3) Chloromethane              | 1.237  | 50    | 1251     | 0.179    | ug/L   | 83       |
| 13) Acetone                   | 2.188  | 43    | 7264     | 9.218    | ug/L   | 84       |
| 14) Carbon disulfide          | 2.291  | 76    | 919      | 0.050    | ug/L # | 74       |
| 17) Methyl tert-butyl Ether   | 2.767  | 73    | 1395     | 0.098    | ug/L # | 83       |
| 33) Benzene                   | 5.101  | 78    | 27587    | 0.978    | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.072  | 83    | 7546     | 0.644    | ug/L # | 18       |
| 37) 1,2-Dichloropropane       | 6.066  | 63    | 3359     | 0.501    | ug/L # | 84       |
| 39) cis-1,3-Dichloropropene   | 6.992  | 75    | 800      | 0.080    | ug/L # | 40       |
| 42) Toluene                   | 7.391  | 91    | 49706    | 1.565    | ug/L   | 99       |
| 48) 2-Hexanone                | 8.143  | 43    | 3827     | 1.638    | ug/L # | 63       |
| 52) Ethylbenzene              | 9.021  | 91    | 3768     | 0.112    | ug/L   | 99       |
| 53) m,p-xylene                | 9.140  | 106   | 4833     | 0.365    | ug/L   | 85       |
| 54) o-xylene                  | 9.545  | 106   | 4179     | 0.326    | ug/L   | 91       |
| 60) Isopropylbenzene          | 10.738 | 105   | 2236     | 0.076    | ug/L   | 92       |
| 61) 1,2,3-Trichloropropane    | 11.249 | 75    | 5099     | 1.494    | ug/L # | 61       |
| 62) 1,3,5-Trimethylbenzene    | 10.542 | 105   | 1721     | 0.071    | ug/L   | 94       |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105   | 7668     | 0.315    | ug/L   | 96       |
| 71) Naphthalene               | 13.509 | 128   | 2375     | 0.170    | ug/L # | 83       |
| -----                         |        |       |          |          |        |          |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV121521\  
Data File : VV023985.D  
Acq On : 15 Dec 2021 16:51  
Operator : SY/MD  
Sample : M4971-02  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3D8

Quant Time: Dec 16 04:50:36 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR121021WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Dec 16 04:44:29 2021  
Response via : Initial Calibration

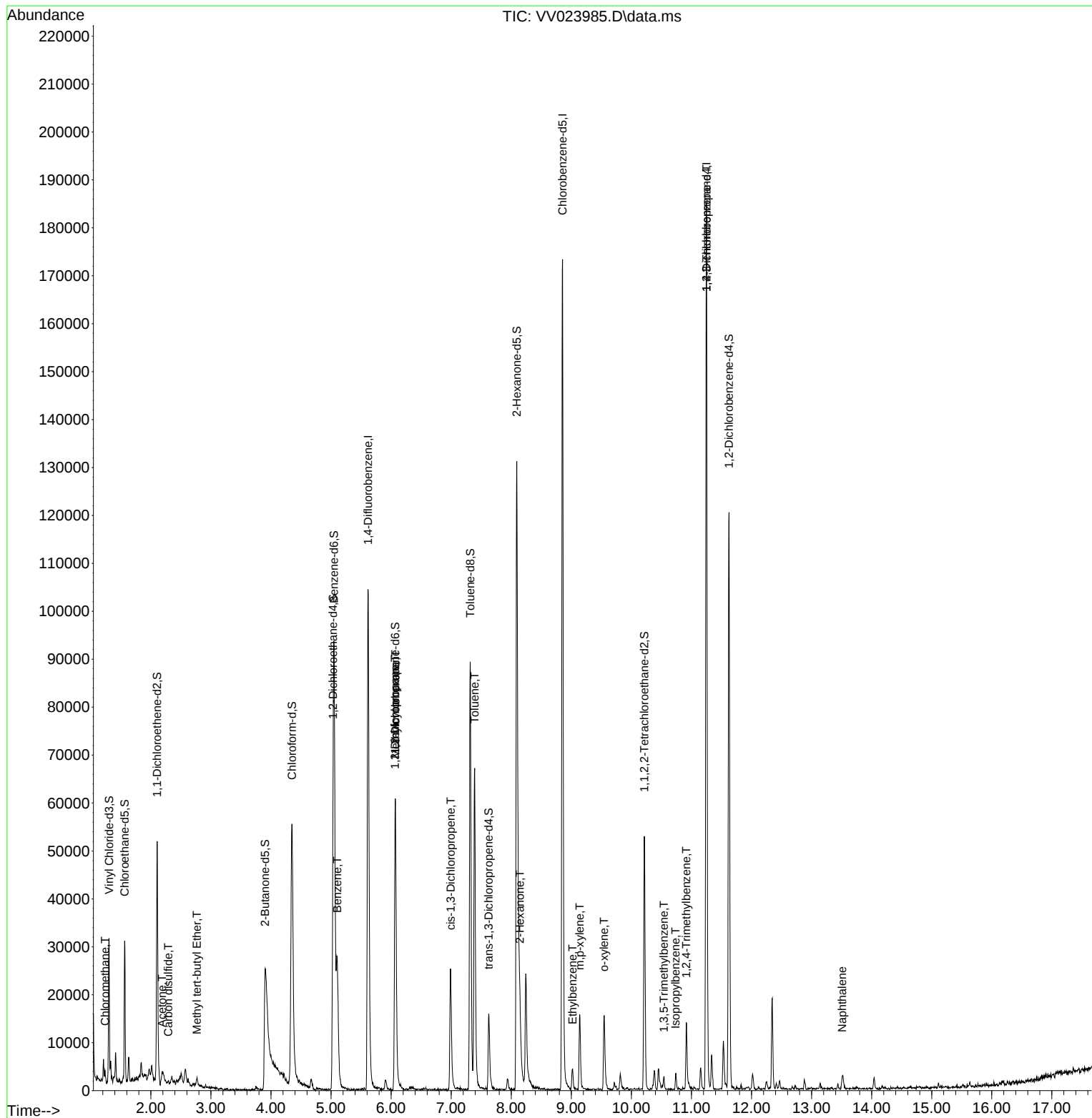
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

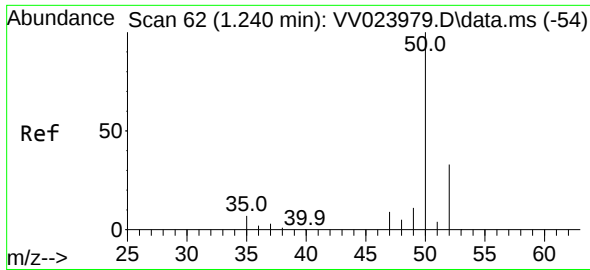
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV121521\  
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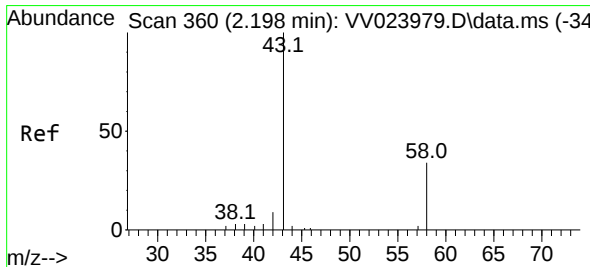
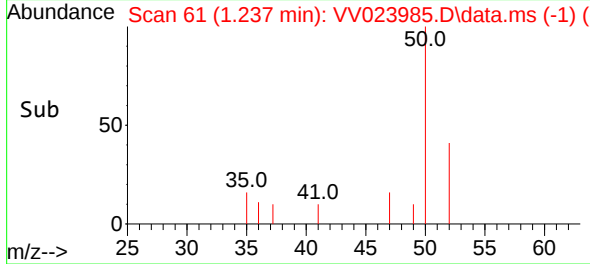
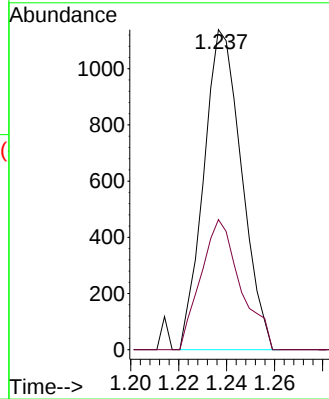
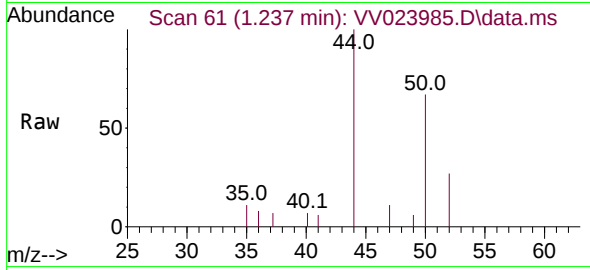




#3  
Chloromethane  
Concen: 0.179 ug/L  
RT: 1.237 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: VV023985.D  
Acq: 15 Dec 2021 16:51

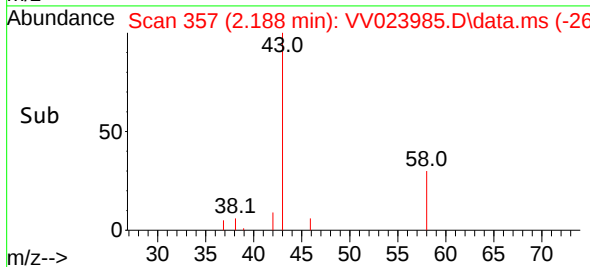
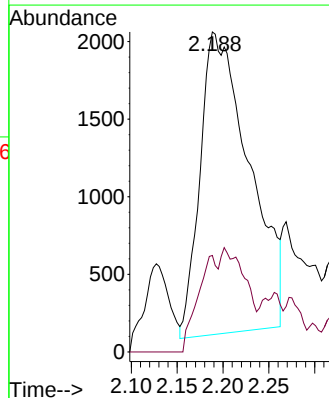
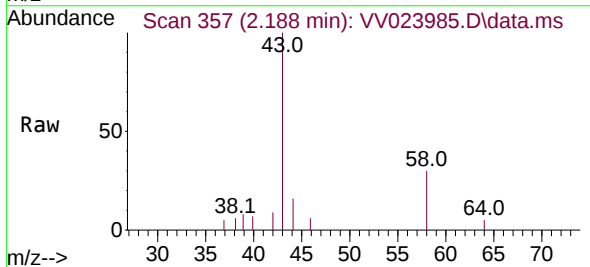
Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3D8

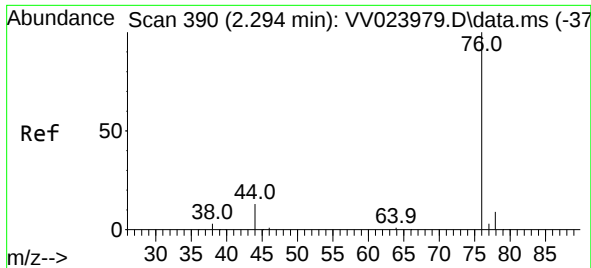
Tgt Ion: 50 Resp: 1251  
Ion Ratio Lower Upper  
50 100  
52 40.6 22.0 41.0



#13  
Acetone  
Concen: 9.218 ug/L  
RT: 2.188 min Scan# 357  
Delta R.T. -0.010 min  
Lab File: VV023985.D  
Acq: 15 Dec 2021 16:51

Tgt Ion: 43 Resp: 7264  
Ion Ratio Lower Upper  
43 100  
58 13.2 0.0 41.4

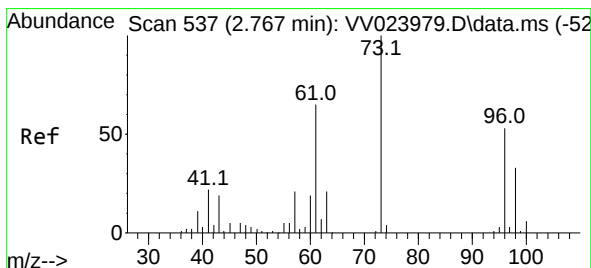
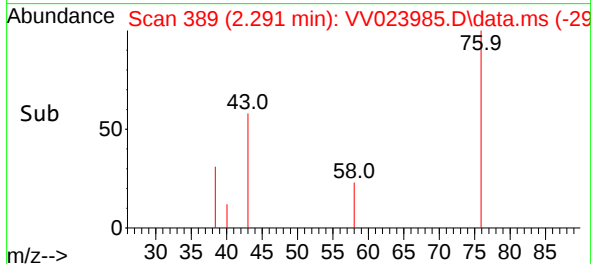
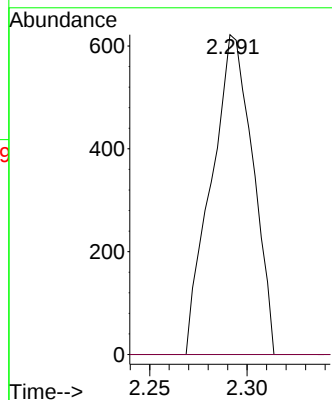
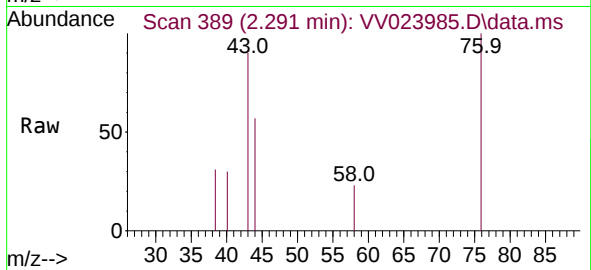




#14  
Carbon disulfide  
Concen: 0.050 ug/L  
RT: 2.291 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VV023985.D  
Acq: 15 Dec 2021 16:51

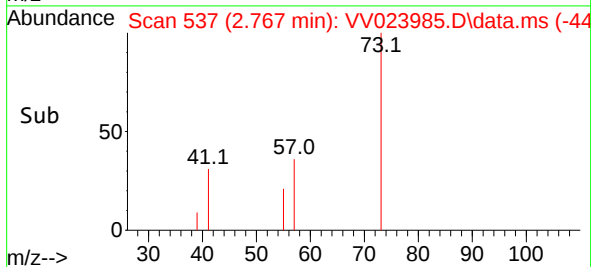
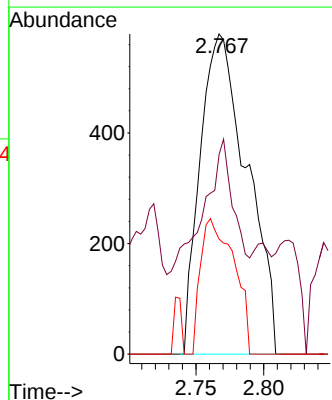
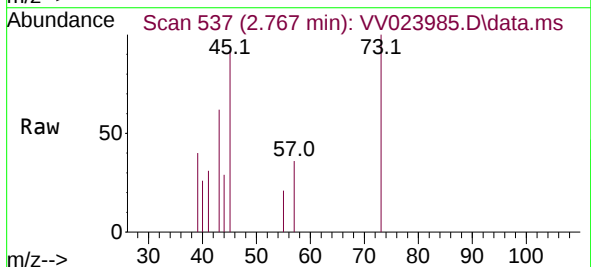
Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3D8

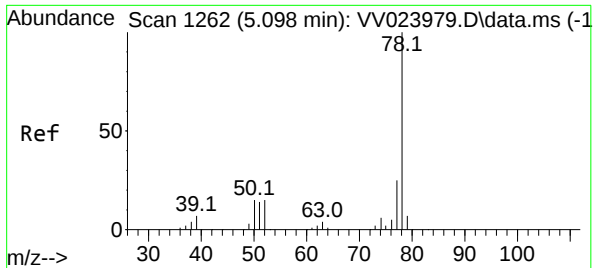
Tgt Ion: 76 Resp: 919  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.5 11.3#



#17  
Methyl tert-butyl Ether  
Concen: 0.098 ug/L  
RT: 2.767 min Scan# 537  
Delta R.T. 0.000 min  
Lab File: VV023985.D  
Acq: 15 Dec 2021 16:51

Tgt Ion: 73 Resp: 1395  
Ion Ratio Lower Upper  
73 100  
43 26.1 15.5 23.3#  
57 30.2 17.1 25.7#

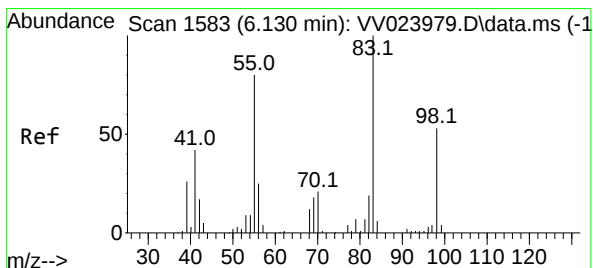
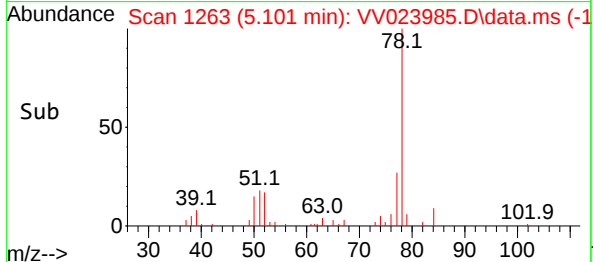
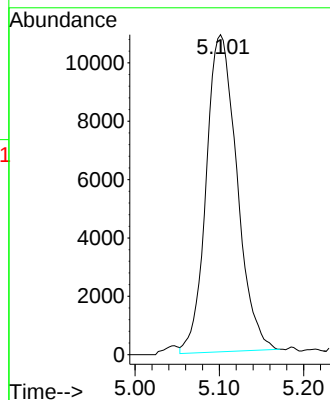
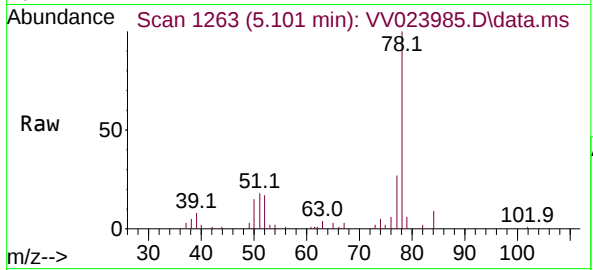




#33  
Benzene  
Concen: 0.978 ug/L  
RT: 5.101 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VV023985.D  
Acq: 15 Dec 2021 16:51

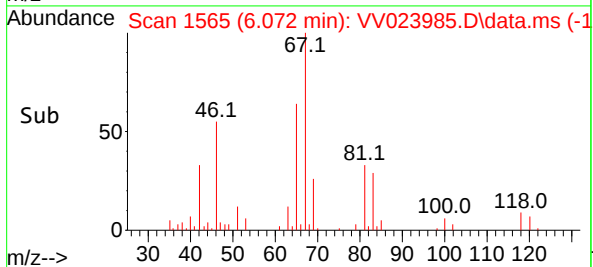
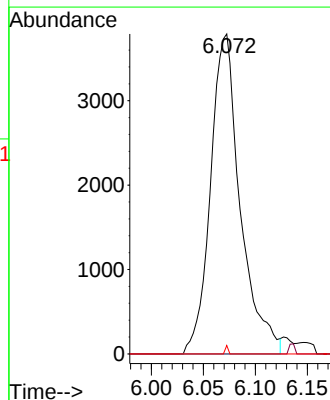
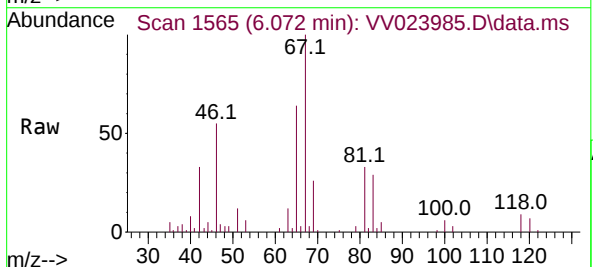
Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3D8

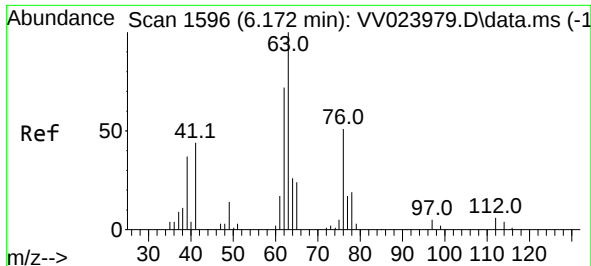
Tgt Ion: 78 Resp: 27587



#35  
Methylcyclohexane  
Concen: 0.644 ug/L  
RT: 6.072 min Scan# 1565  
Delta R.T. -0.058 min  
Lab File: VV023985.D  
Acq: 15 Dec 2021 16:51

Tgt Ion: 83 Resp: 7546  
Ion Ratio Lower Upper  
83 100  
55 0.6 60.2 90.2#  
98 0.3 41.0 61.4#





#37

1,2-Dichloropropane

Concen: 0.501 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.106 min

Lab File: VV023985.D

Acq: 15 Dec 2021 16:51

Instrument :

MSVOA\_V

ClientSampleId :

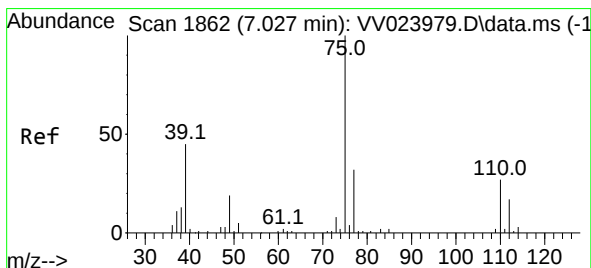
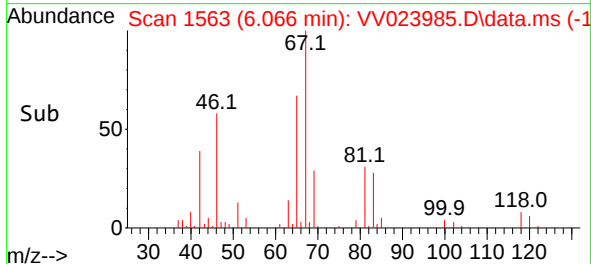
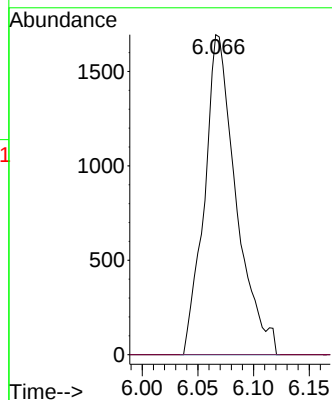
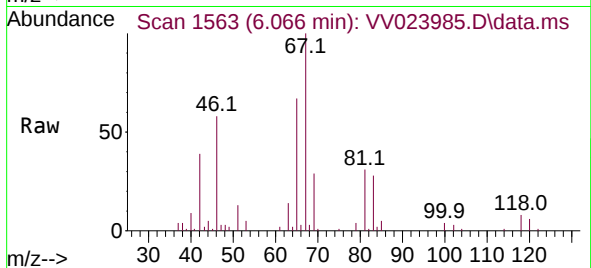
BG3D8

Tgt Ion: 63 Resp: 3359

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#



#39

cis-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 6.992 min Scan# 1851

Delta R.T. -0.035 min

Lab File: VV023985.D

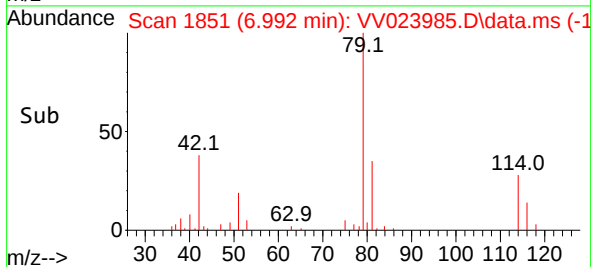
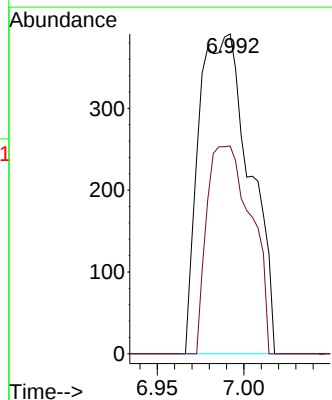
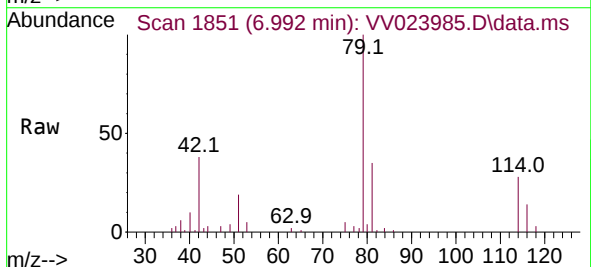
Acq: 15 Dec 2021 16:51

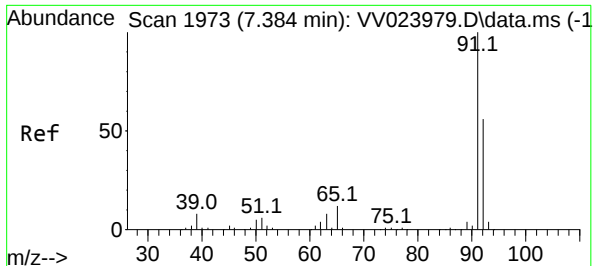
Tgt Ion: 75 Resp: 800

Ion Ratio Lower Upper

75 100

77 65.0 22.0 41.0#





#42

Toluene

Concen: 1.565 ug/L

RT: 7.391 min Scan# 1973

Delta R.T. 0.007 min

Lab File: VV023985.D

Acq: 15 Dec 2021 16:51

Instrument :

MSVOA\_V

ClientSampleId :

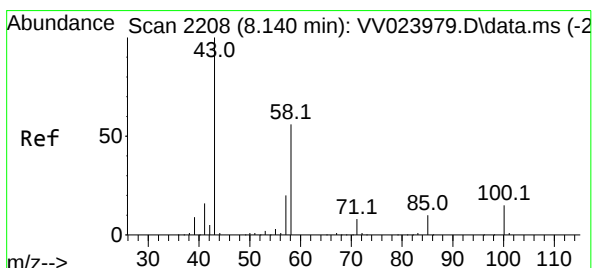
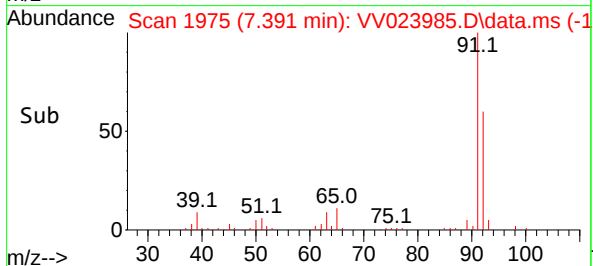
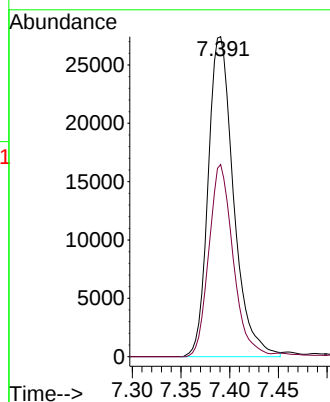
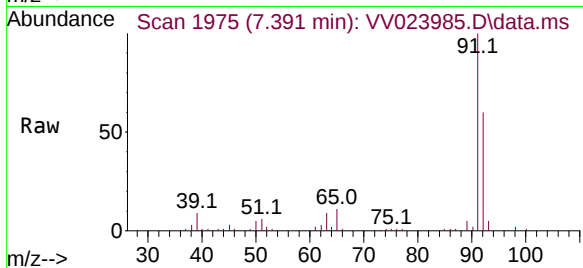
BG3D8

Tgt Ion: 91 Resp: 49706

Ion Ratio Lower Upper

91 100

92 60.0 41.5 77.1



#48

2-Hexanone

Concen: 1.638 ug/L

RT: 8.143 min Scan# 2209

Delta R.T. 0.003 min

Lab File: VV023985.D

Acq: 15 Dec 2021 16:51

Tgt Ion: 43 Resp: 3827

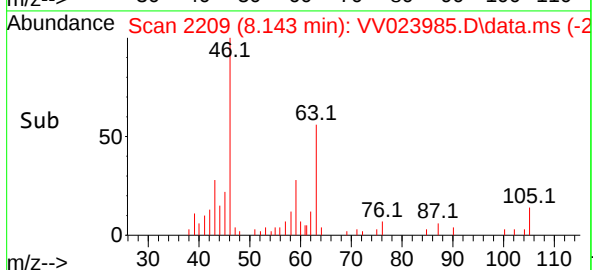
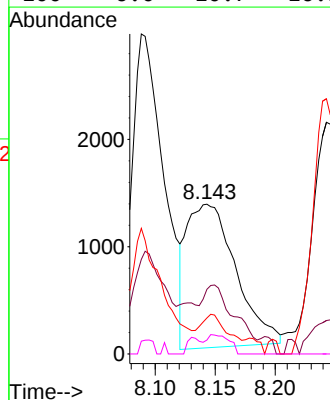
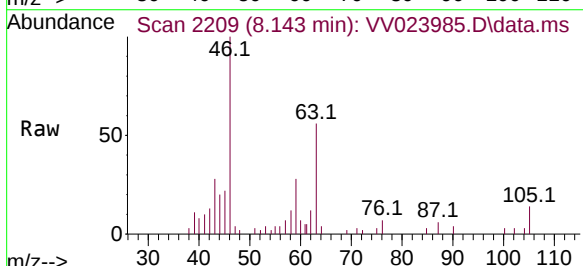
Ion Ratio Lower Upper

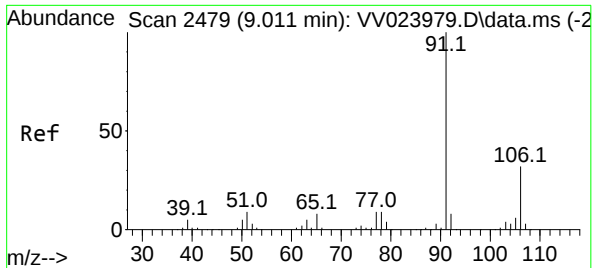
43 100

58 21.0 44.5 66.7#

57 9.6 15.1 22.7#

100 6.0 10.7 16.1#





#52

Ethylbenzene

Concen: 0.112 ug/L

RT: 9.021 min Scan# 24

Delta R.T. 0.010 min

Lab File: VV023985.D

Acq: 15 Dec 2021 16:51

Instrument :

MSVOA\_V

ClientSampleId :

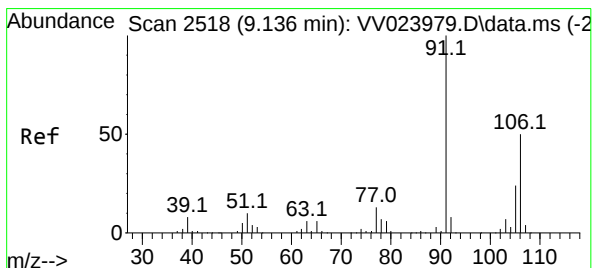
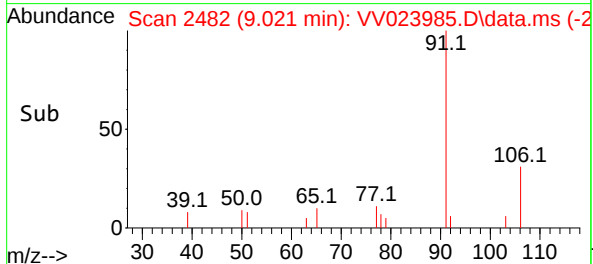
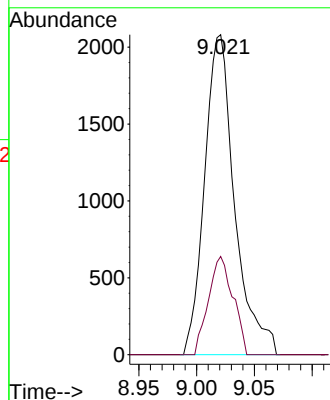
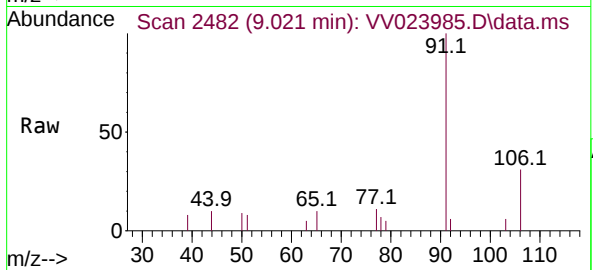
BG3D8

Tgt Ion: 91 Resp: 3768

Ion Ratio Lower Upper

91 100

106 30.7 22.0 41.0



#53

m,p-xylene

Concen: 0.365 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.003 min

Lab File: VV023985.D

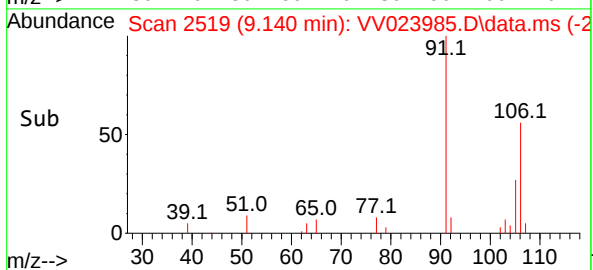
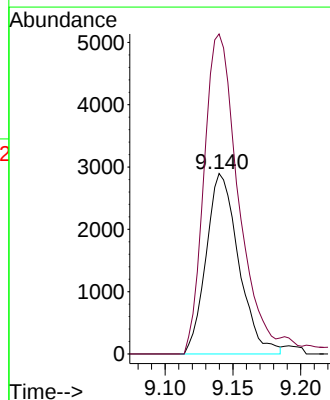
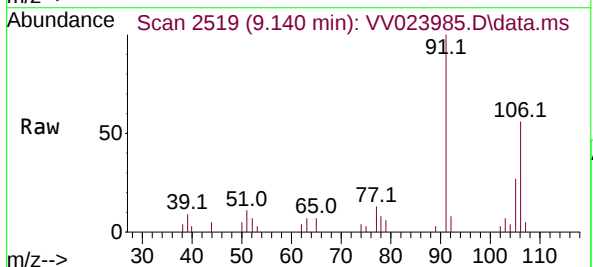
Acq: 15 Dec 2021 16:51

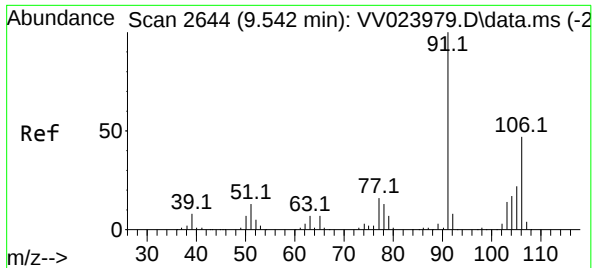
Tgt Ion:106 Resp: 4833

Ion Ratio Lower Upper

106 100

91 177.3 139.5 259.1

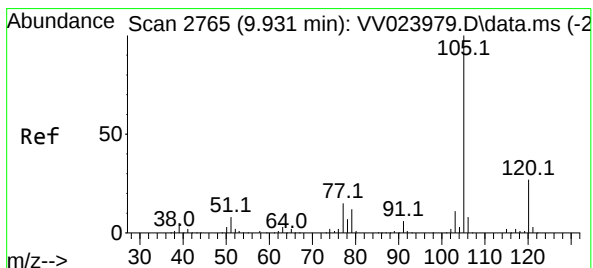
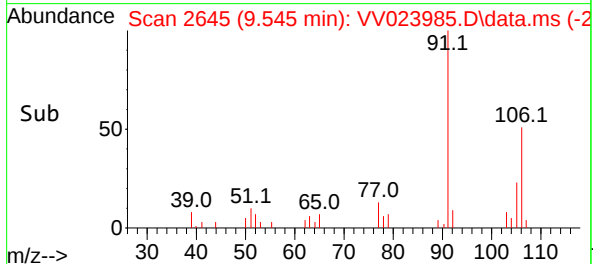
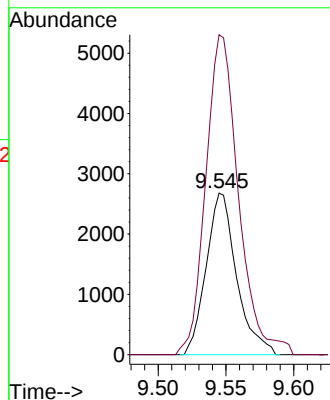
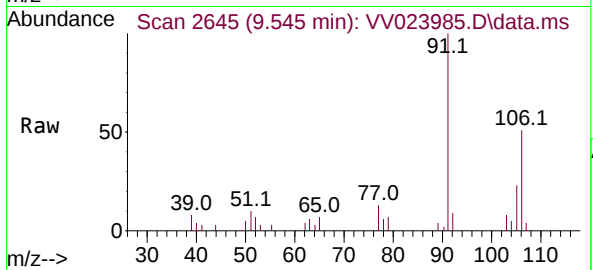




#54  
o-xylene  
Concen: 0.326 ug/L  
RT: 9.545 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV023985.D  
Acq: 15 Dec 2021 16:51

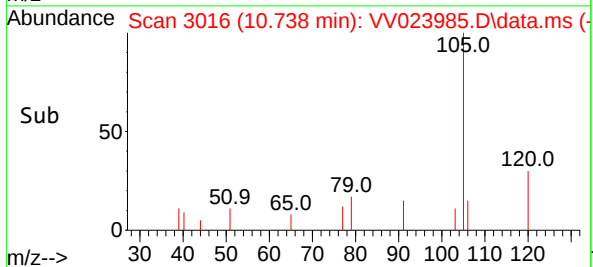
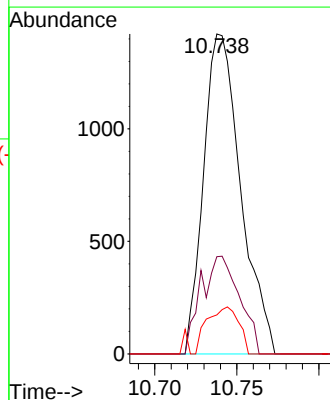
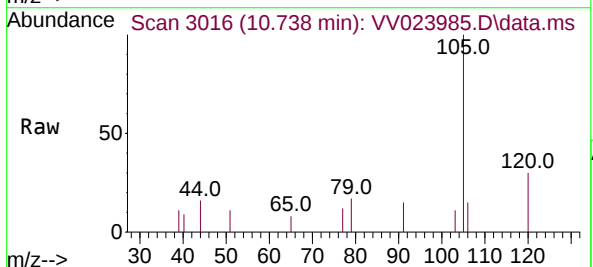
Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3D8

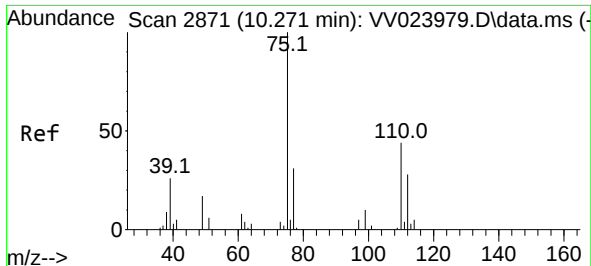
Tgt Ion:106 Resp: 4179  
Ion Ratio Lower Upper  
106 100  
91 197.9 147.9 274.7



#60  
Isopropylbenzene  
Concen: 0.076 ug/L  
RT: 10.738 min Scan# 3016  
Delta R.T. 0.807 min  
Lab File: VV023985.D  
Acq: 15 Dec 2021 16:51

Tgt Ion:105 Resp: 2236  
Ion Ratio Lower Upper  
105 100  
120 31.6 21.4 32.0  
77 12.6 12.2 18.4

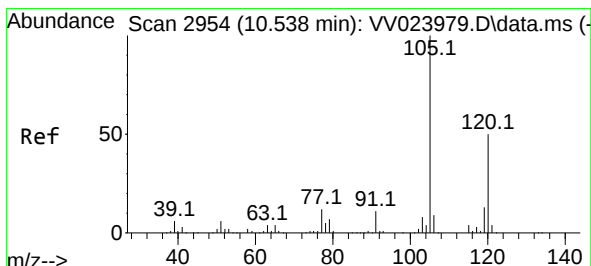
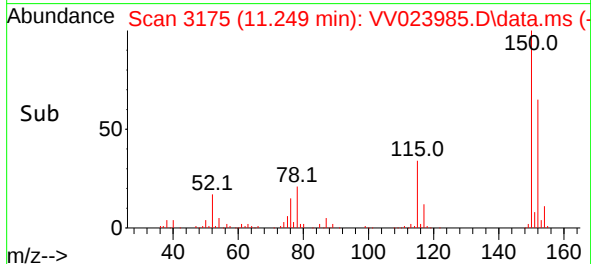
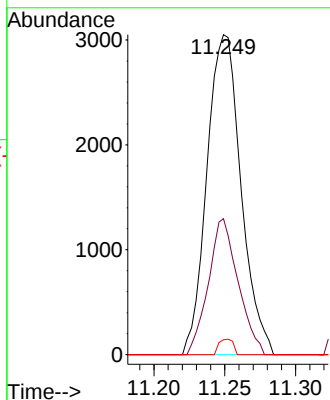
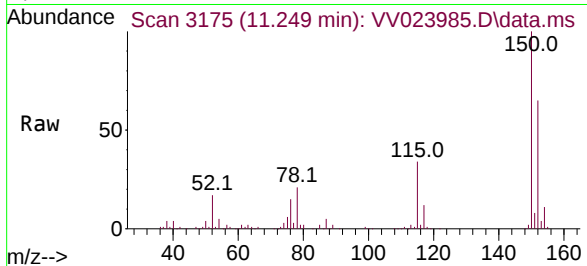




#61  
1,2,3-Trichloropropane  
Concen: 1.494 ug/L  
RT: 11.249 min Scan# 3175  
Delta R.T. 0.978 min  
Lab File: VV023985.D  
Acq: 15 Dec 2021 16:51

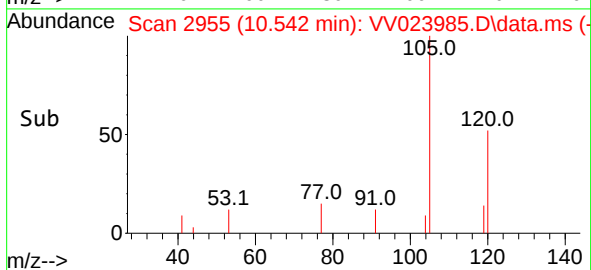
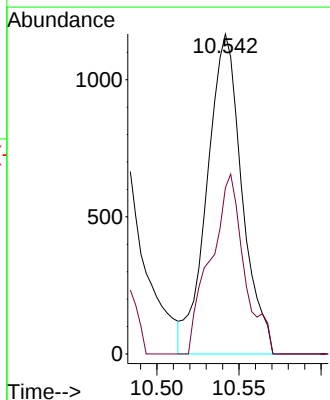
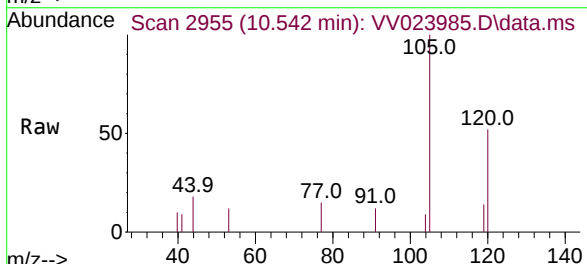
Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3D8

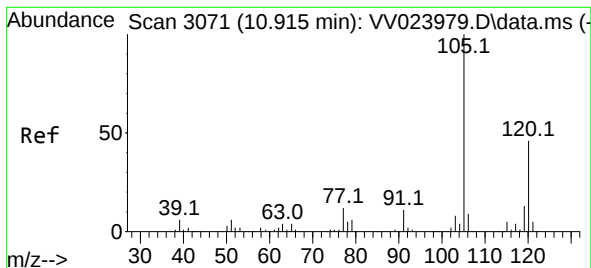
Tgt Ion: 75 Resp: 5099  
Ion Ratio Lower Upper  
75 100  
77 37.0 26.4 39.6  
110 2.0 34.2 51.2#



#62  
1,3,5-Trimethylbenzene  
Concen: 0.071 ug/L  
RT: 10.542 min Scan# 2955  
Delta R.T. 0.003 min  
Lab File: VV023985.D  
Acq: 15 Dec 2021 16:51

Tgt Ion: 105 Resp: 1721  
Ion Ratio Lower Upper  
105 100  
120 54.4 40.1 60.1





#63

1,2,4-Trimethylbenzene

Concen: 0.315 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.000 min

Lab File: VV023985.D

Acq: 15 Dec 2021 16:51

Instrument :

MSVOA\_V

ClientSampleId :

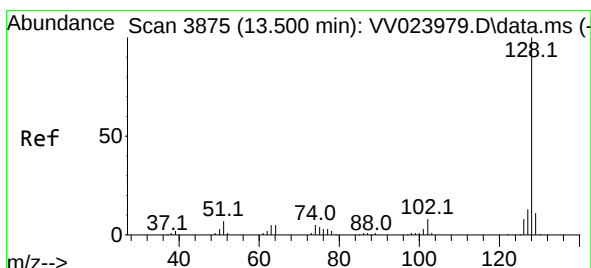
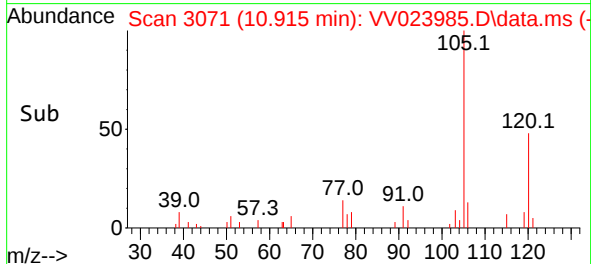
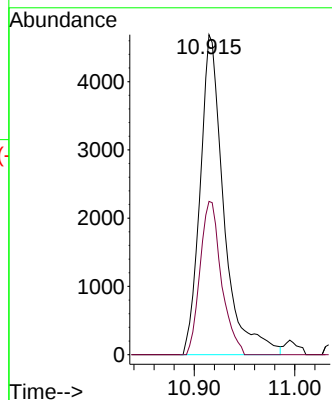
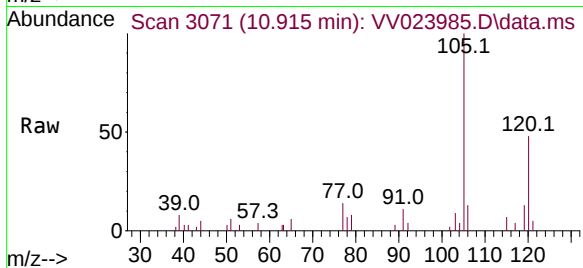
BG3D8

Tgt Ion:105 Resp: 7668

Ion Ratio Lower Upper

105 100

120 43.0 36.7 55.1



#71

Naphthalene

Concen: 0.170 ug/L

RT: 13.509 min Scan# 3878

Delta R.T. 0.010 min

Lab File: VV023985.D

Acq: 15 Dec 2021 16:51

Tgt Ion:128 Resp: 2375

Ion Ratio Lower Upper

128 100

129 2.9 9.0 13.4#

127 7.9 10.2 15.4#

