

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW121222\  
 Data File : VW029602.D  
 Acq On : 12 Dec 2022 17:48  
 Operator : SY/MD  
 Sample : N5950-01  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EYF48

Quant Time: Dec 13 03:39:54 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM120722WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Dec 13 03:35:01 2022  
 Response via : Initial Calibration

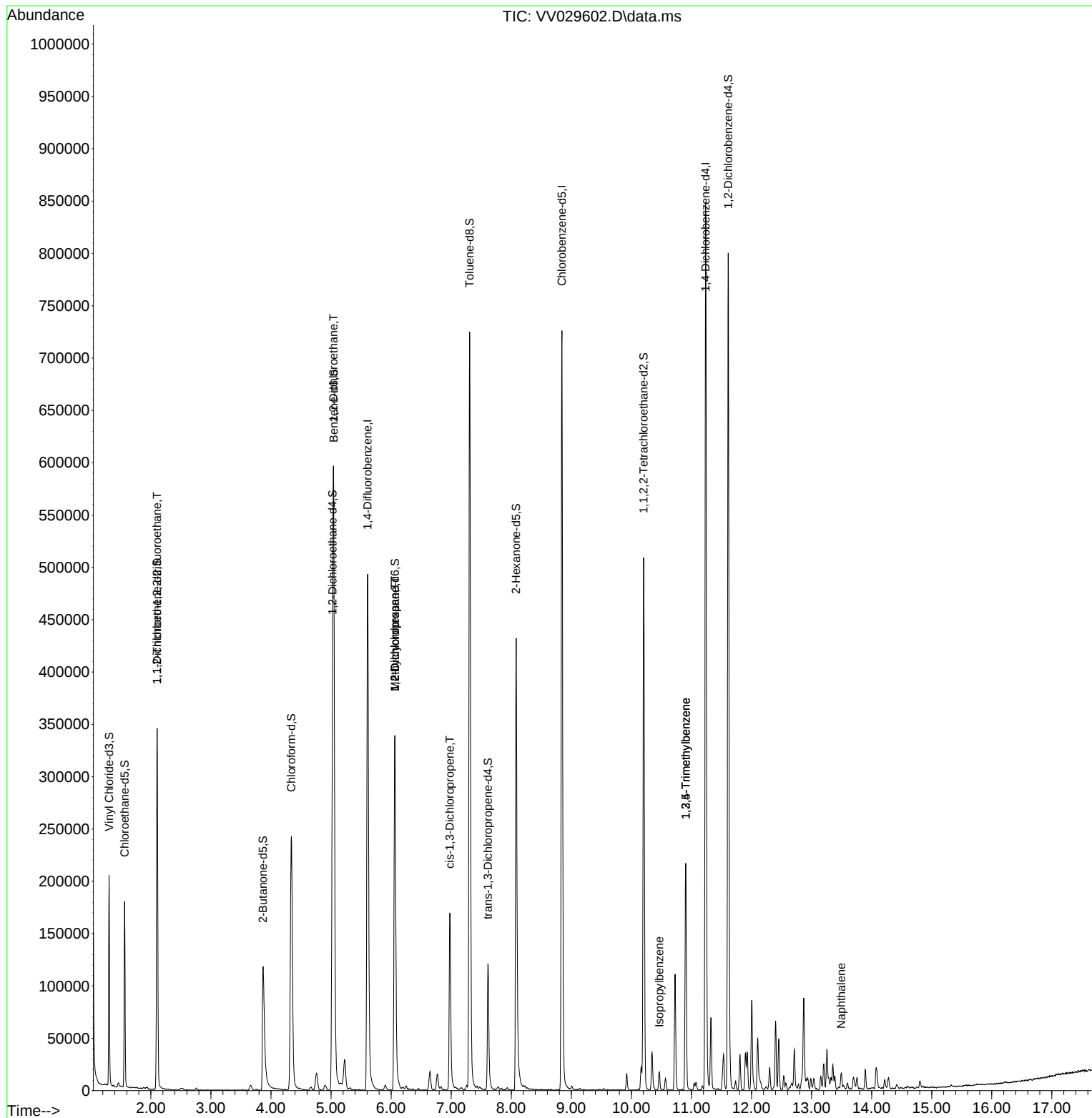
| Compound                      | R.T.    | QIon           | Response | Conc    | Units    | Dev(Min) |
|-------------------------------|---------|----------------|----------|---------|----------|----------|
| -----                         |         |                |          |         |          |          |
| Internal Standards            |         |                |          |         |          |          |
| 1) 1,4-Difluorobenzene        | 5.609   | 114            | 458765   | 50.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.844   | 117            | 427601   | 50.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.236  | 152            | 228030   | 50.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |         |                |          |         |          |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65             | 126010   | 44.855  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 135 | Recovery | =       | 89.700%  |          |
| 7) Chloroethane-d5            | 1.564   | 69             | 115022   | 53.694  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 130 | Recovery | =       | 107.380% |          |
| 11) 1,1-Dichloroethene-d2     | 2.105   | 63             | 176169   | 40.205  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =       | 80.420%  |          |
| 21) 2-Butanone-d5             | 3.867   | 46             | 190605   | 111.222 | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 40 - 130 | Recovery | =       | 111.220% |          |
| 24) Chloroform-d              | 4.339   | 84             | 265684   | 50.257  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 100.520% |          |
| 26) 1,2-Dichloroethane-d4     | 5.024   | 65             | 160637   | 53.203  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 106.400% |          |
| 32) Benzene-d6                | 5.043   | 84             | 569788   | 50.430  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 100.860% |          |
| 36) 1,2-Dichloropropane-d6    | 6.063   | 67             | 179949   | 52.141  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 120 | Recovery | =       | 104.280% |          |
| 41) Toluene-d8                | 7.307   | 98             | 514798   | 48.357  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =       | 96.720%  |          |
| 43) trans-1,3-Dichloroprop... | 7.612   | 79             | 74578    | 42.794  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =       | 85.580%  |          |
| 47) 2-Hexanone-d5             | 8.082   | 63             | 161711   | 109.728 | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 45 - 130 | Recovery | =       | 109.730% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.204  | 84             | 252875   | 51.275  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 65 - 120 | Recovery | =       | 102.540% |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.612  | 152            | 207302   | 47.756  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =       | 95.520%  |          |
| Target Compounds              |         |                |          |         |          |          |
|                               |         |                |          |         | Qvalue   |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.105   | 101            | 1776     | 0.741   | ug/L #   | 18       |
| 27) 1,2-Dichloroethane        | 5.040   | 62             | 2861     | 0.807   | ug/L     | 100      |
| 35) Methylcyclohexane         | 6.063   | 83             | 42084    | 8.204   | ug/L #   | 21       |
| 37) 1,2-Dichloropropane       | 6.063   | 63             | 17775    | 6.110   | ug/L #   | 86       |
| 39) cis-1,3-Dichloropropene   | 6.979   | 75             | 4281     | 0.895   | ug/L #   | 52       |
| 60) Isopropylbenzene          | 10.464  | 105            | 11865    | 0.886   | ug/L     | 94       |
| 62) 1,3,5-Trimethylbenzene    | 10.905  | 105            | 120666   | 10.194  | ug/L     | 95       |
| 63) 1,2,4-Trimethylbenzene    | 10.905  | 105            | 120666   | 10.283  | ug/L     | 99       |
| 71) Naphthalene               | 13.493  | 128            | 14260    | 1.357   | ug/L     | 98       |
| -----                         |         |                |          |         |          |          |

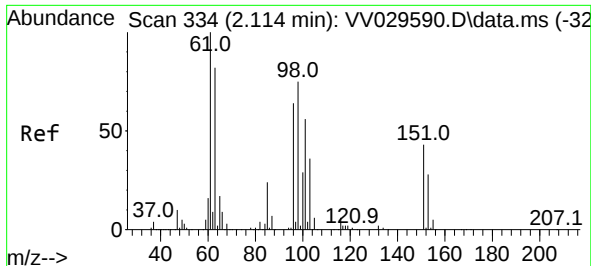
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV121222\  
Data File : VV029602.D  
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Sample : N5950-01  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EYF48

Quant Time: Dec 13 03:39:54 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM120722WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Dec 13 03:35:01 2022  
Response via : Initial Calibration

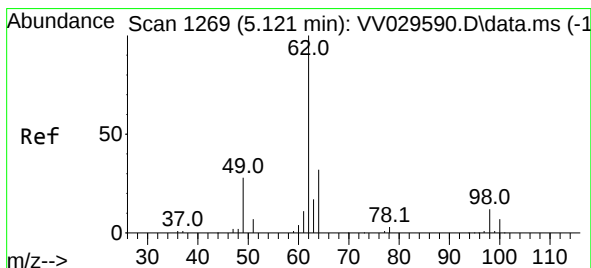
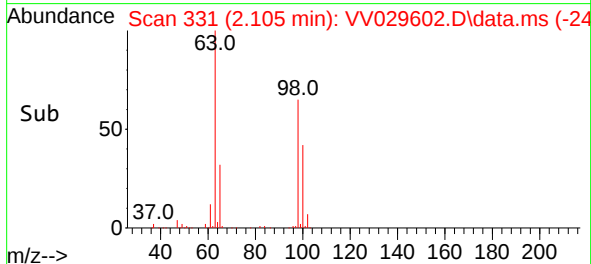
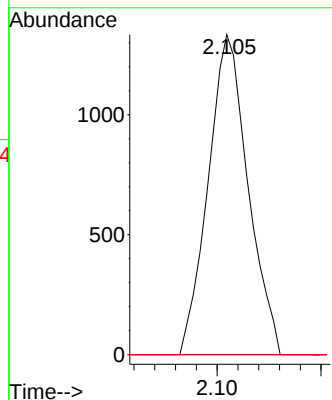
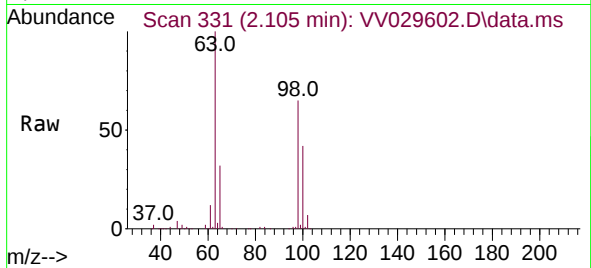




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.741 ug/L  
 RT: 2.105 min Scan# 31  
 Delta R.T. -0.010 min  
 Lab File: VV029602.D  
 Acq: 12 Dec 2022 17:48

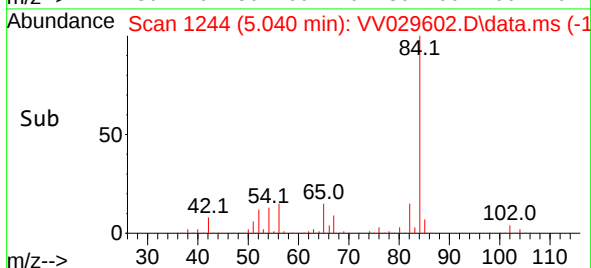
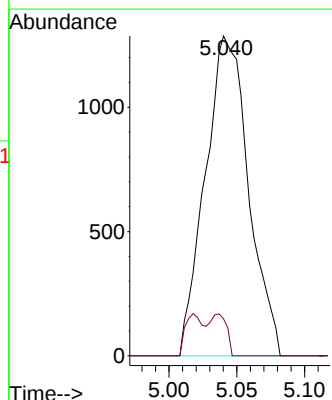
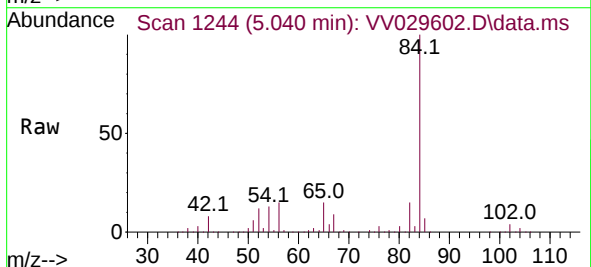
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EYF48

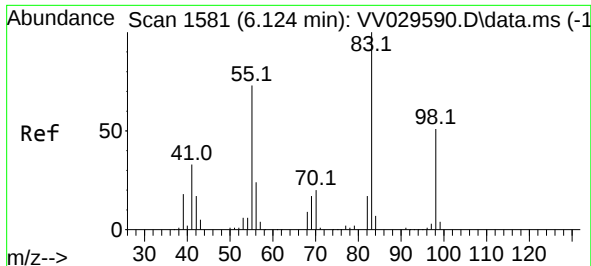
Tgt Ion:101 Resp: 1776  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 33.6 50.4#  
 151 0.0 63.5 95.3#



#27  
 1,2-Dichloroethane  
 Concen: 0.807 ug/L  
 RT: 5.040 min Scan# 1244  
 Delta R.T. -0.080 min  
 Lab File: VV029602.D  
 Acq: 12 Dec 2022 17:48

Tgt Ion: 62 Resp: 2861  
 Ion Ratio Lower Upper  
 62 100  
 98 11.6 9.4 14.0

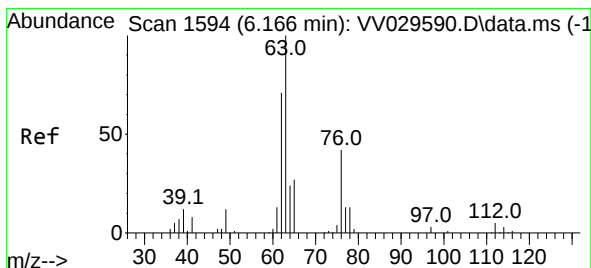
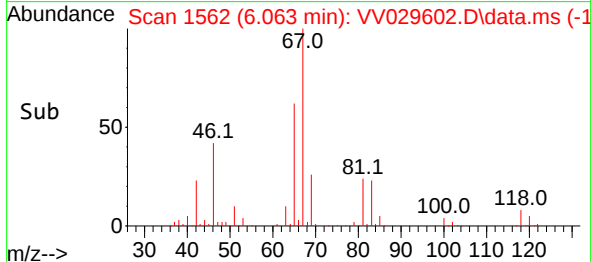
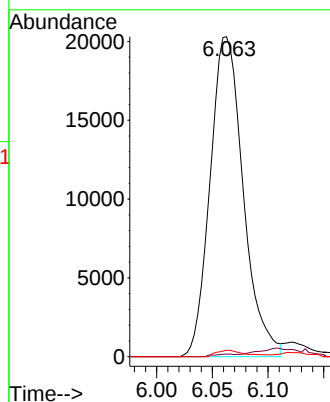
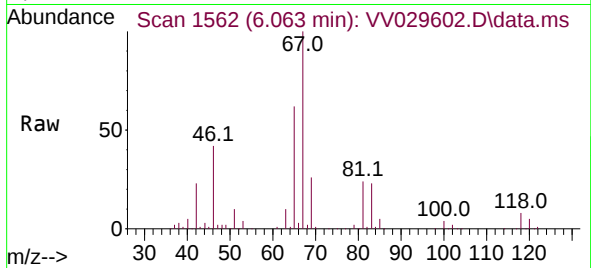




#35  
Methylcyclohexane  
Concen: 8.204 ug/L  
RT: 6.063 min Scan# 1562  
Delta R.T. -0.061 min  
Lab File: VV029602.D  
Acq: 12 Dec 2022 17:48

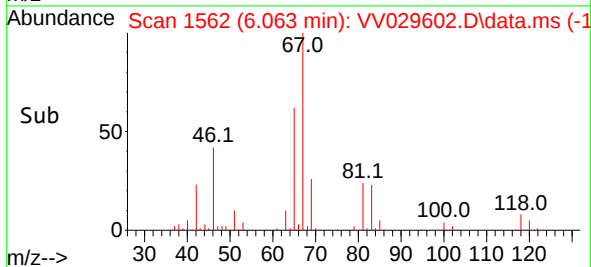
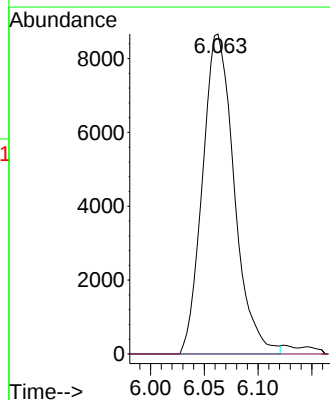
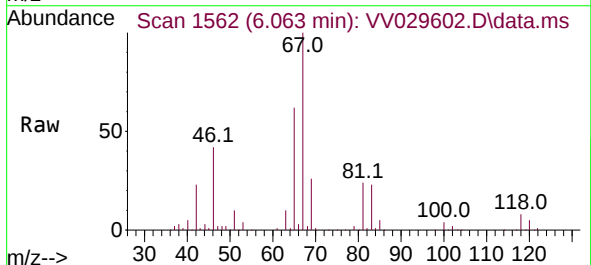
Instrument :  
MSVOA\_V  
ClientSampleId :  
EYF48

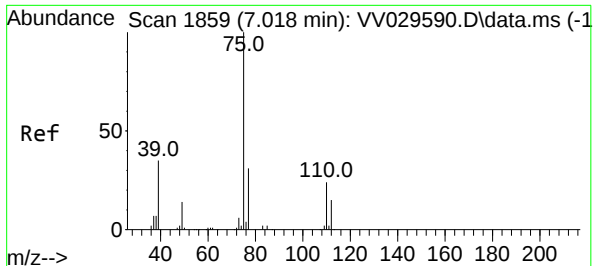
Tgt Ion: 83 Resp: 42084  
Ion Ratio Lower Upper  
83 100  
55 0.4 55.5 83.3#  
98 1.5 39.8 59.8#



#37  
1,2-Dichloropropane  
Concen: 6.110 ug/L  
RT: 6.063 min Scan# 1562  
Delta R.T. -0.103 min  
Lab File: VV029602.D  
Acq: 12 Dec 2022 17:48

Tgt Ion: 63 Resp: 17775  
Ion Ratio Lower Upper  
63 100  
112 0.2 3.9 5.9#





#39

cis-1,3-Dichloropropene

Concen: 0.895 ug/L

RT: 6.979 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV029602.D

Acq: 12 Dec 2022 17:48

Instrument :

MSVOA\_V

ClientSampleId :

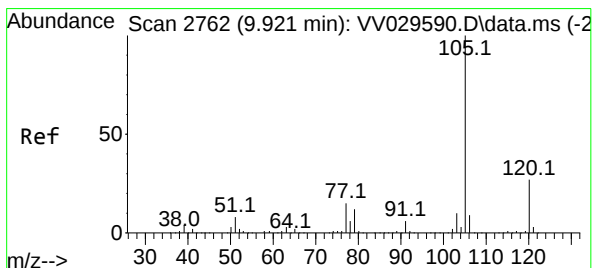
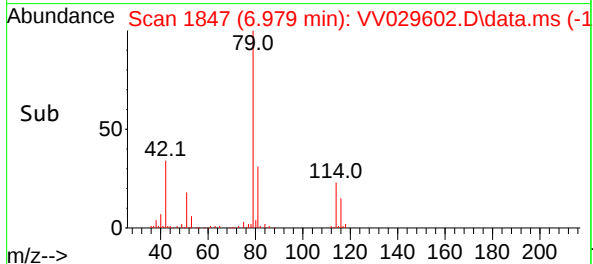
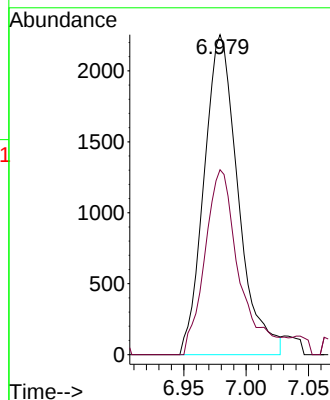
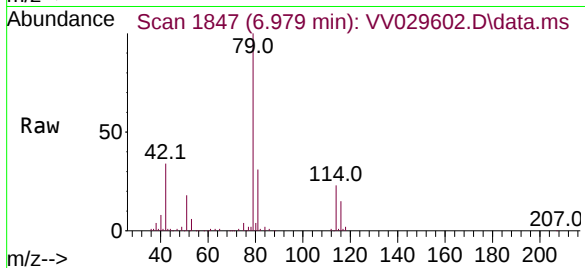
EYF48

Tgt Ion: 75 Resp: 4281

Ion Ratio Lower Upper

75 100

77 57.8 21.9 40.7#



#60

Isopropylbenzene

Concen: 0.886 ug/L

RT: 10.464 min Scan# 2931

Delta R.T. 0.543 min

Lab File: VV029602.D

Acq: 12 Dec 2022 17:48

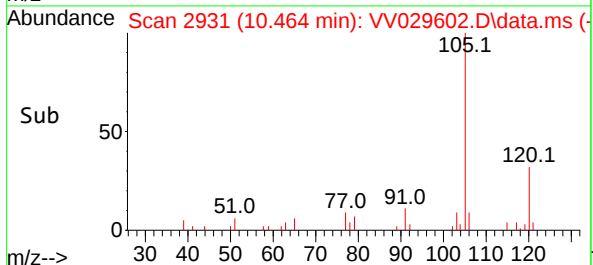
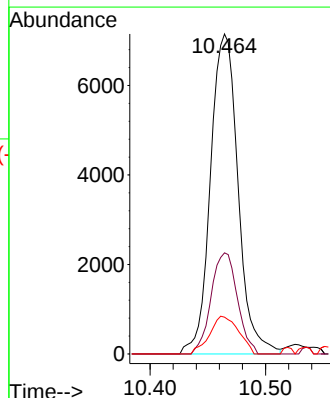
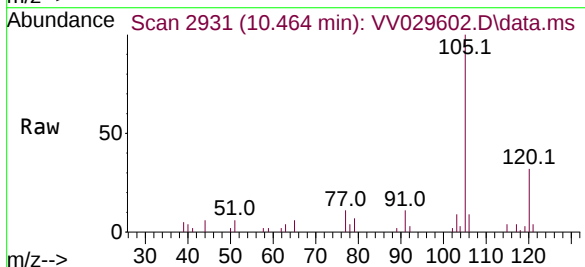
Tgt Ion: 105 Resp: 11865

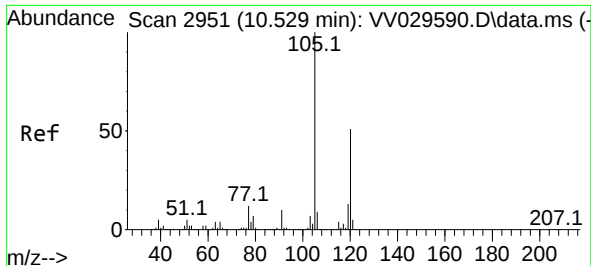
Ion Ratio Lower Upper

105 100

120 30.1 21.1 31.7

77 12.4 11.6 17.4





#62

1,3,5-Trimethylbenzene

Concen: 10.194 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. 0.376 min

Lab File: VV029602.D

Acq: 12 Dec 2022 17:48

Instrument :

MSVOA\_V

ClientSampleId :

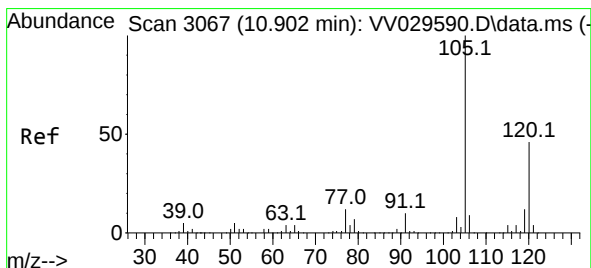
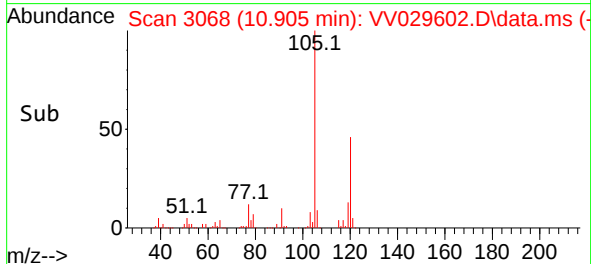
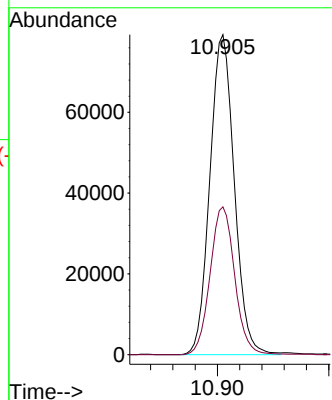
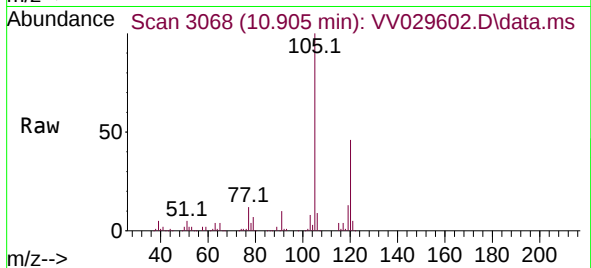
EYF48

Tgt Ion:105 Resp: 120666

Ion Ratio Lower Upper

105 100

120 46.5 40.0 60.0



#63

1,2,4-Trimethylbenzene

Concen: 10.283 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. 0.003 min

Lab File: VV029602.D

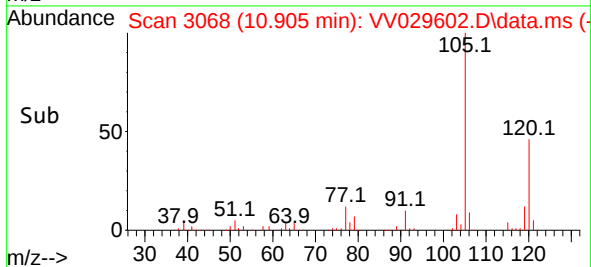
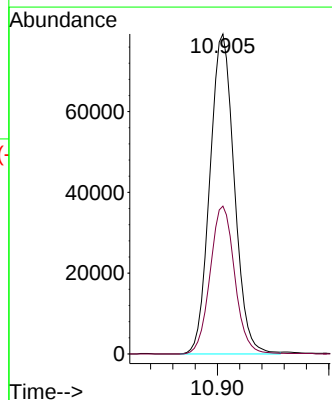
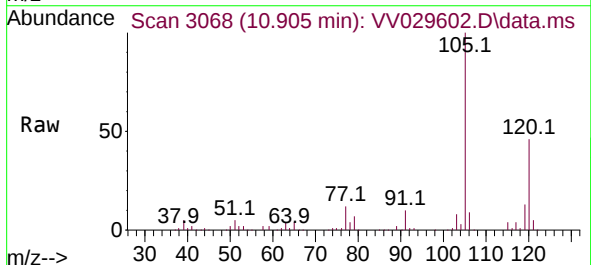
Acq: 12 Dec 2022 17:48

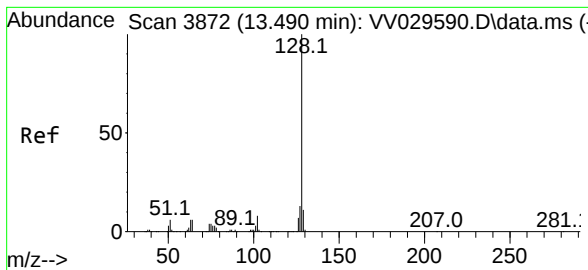
Tgt Ion:105 Resp: 120666

Ion Ratio Lower Upper

105 100

120 46.5 36.7 55.1





#71  
 Naphthalene  
 Concen: 1.357 ug/L  
 RT: 13.493 min Scan# 3873  
 Delta R.T. 0.003 min  
 Lab File: VV029602.D  
 Acq: 12 Dec 2022 17:48

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EYF48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 14260 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 12.1  | 10.2  | 15.4  |
| 129      | 11.7  | 8.5   | 12.7  |

