

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121024\  
 Data File : VX044216.D  
 Acq On : 10 Dec 2024 18:20  
 Operator : JC/MD  
 Sample : P5220-03 20X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 GAS-AUD-1610-1611-1612

Quant Time: Dec 11 01:40:10 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

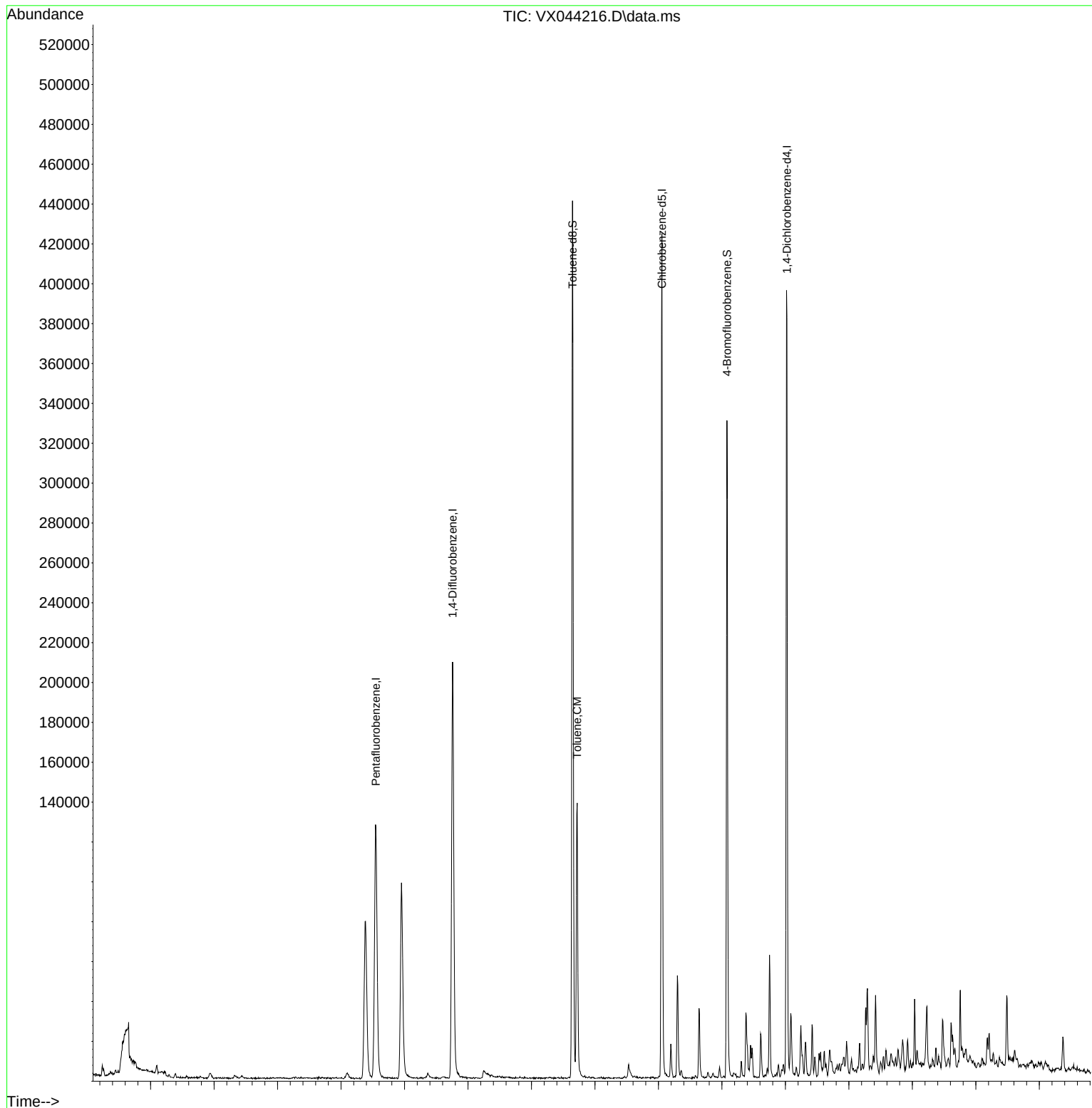
| Compound                    | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                       |                |      |                     |        |        |          |
| Internal Standards          |                |      |                     |        |        |          |
| 1) Pentafluorobenzene       | 5.550          | 168  | 107950              | 50.000 | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene     | 6.757          | 114  | 202303              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 177635              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024         | 152  | 77205               | 50.000 | ug/l   | 0.00     |
|                             |                |      |                     |        |        |          |
| System Monitoring Compounds |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.952          | 65   | 95701               | 51.688 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 103.380% |        |        |          |
| 35) Dibromofluoromethane    | 5.385          | 113  | 68472               | 47.367 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 94.740%  |        |        |          |
| 50) Toluene-d8              | 8.647          | 98   | 252061              | 50.584 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 101.160% |        |        |          |
| 62) 4-Bromofluorobenzene    | 11.079         | 95   | 85790               | 50.588 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = 101.180% |        |        |          |
|                             |                |      |                     |        |        |          |
| Target Compounds            |                |      |                     |        |        |          |
| 16) Acetone                 | 2.392          | 43   | 1813                | 2.132  | ug/l # | 77       |
| 30) Chloroform              | 5.099          | 83   | 2493                | 0.924  | ug/l # | 77       |
| 52) Toluene                 | 8.720          | 92   | 51217               | 15.250 | ug/l   | 99       |
| 67) Ethyl Benzene           | 10.195         | 91   | 9520                | 1.440  | ug/l # | 89       |
| 68) m/p-Xylenes             | 10.299         | 106  | 11910               | 4.831  | ug/l   | 94       |
| 69) o-Xylene                | 10.640         | 106  | 7701                | 3.199  | ug/l   | 93       |
| 73) Isopropylbenzene        | 10.963         | 105  | 2555                | 0.431  | ug/l   | 98       |
| 78) n-propylbenzene         | 11.305         | 91   | 5657                | 0.853  | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene  | 11.451         | 105  | 6744                | 1.381  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene  | 11.750         | 105  | 28257               | 5.813  | ug/l   | 95       |
| 85) sec-Butylbenzene        | 11.890         | 105  | 2389                | 0.403  | ug/l   | 95       |
| 89) n-Butylbenzene          | 12.329         | 91   | 2698                | 0.635  | ug/l # | 46       |
| -----                       |                |      |                     |        |        |          |

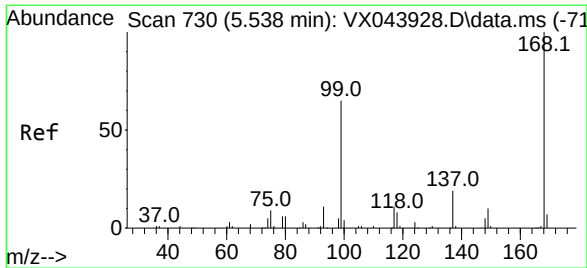
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121024\  
Data File : VX044216.D  
Acq On : 10 Dec 2024 18:20  
Operator : JC/MD  
Sample : P5220-03 20X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GAS-AUD-1610-1611-1612

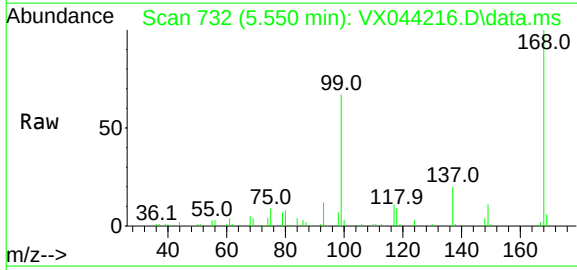
Quant Time: Dec 11 01:40:10 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration



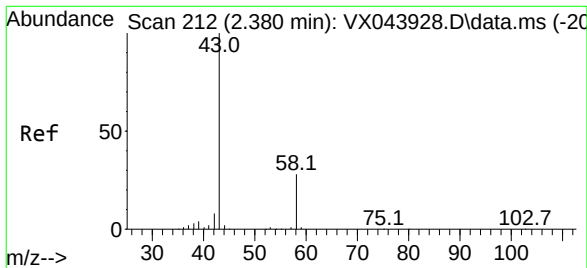
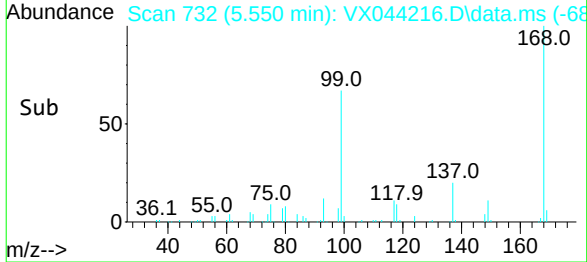
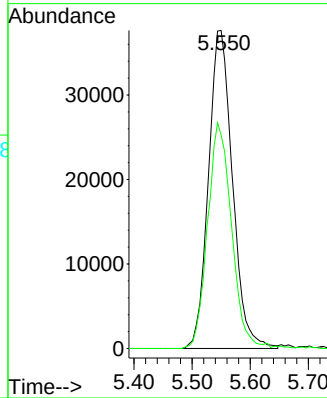


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 730  
Delta R.T. 0.012 min  
Lab File: VX044216.D  
Acq: 10 Dec 2024 18:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
GAS-AUD-1610-1611-1612

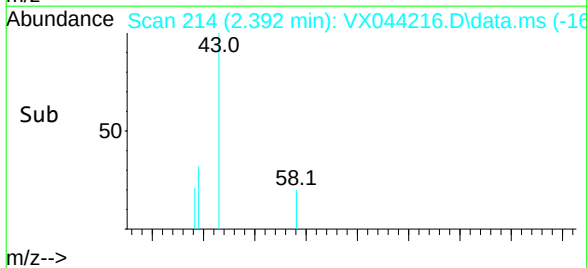
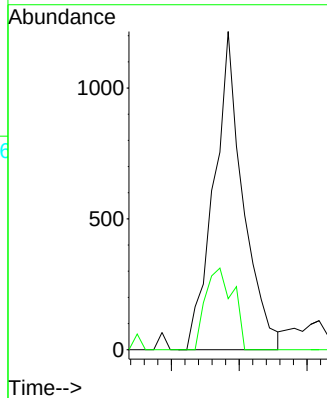
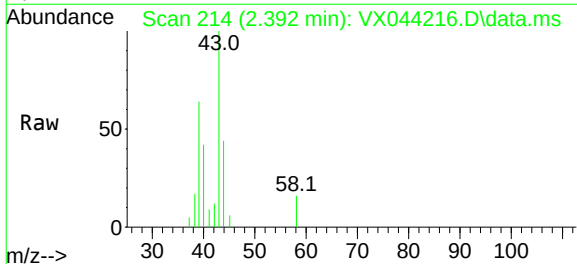


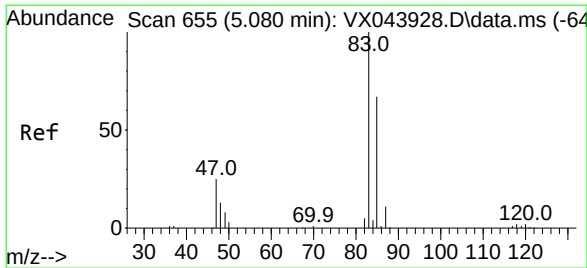
Tgt Ion: 168 Resp: 107950  
Ion Ratio Lower Upper  
168 100  
99 67.1 51.8 77.8



#16  
Acetone  
Concen: 2.132 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. 0.012 min  
Lab File: VX044216.D  
Acq: 10 Dec 2024 18:20

Tgt Ion: 43 Resp: 1813  
Ion Ratio Lower Upper  
43 100  
58 16.0 22.7 34.1#





#30

Chloroform

Concen: 0.924 ug/l

RT: 5.099 min Scan# 65

Delta R.T. 0.018 min

Lab File: VX044216.D

Acq: 10 Dec 2024 18:20

Instrument :

MSVOA\_X

ClientSampleId :

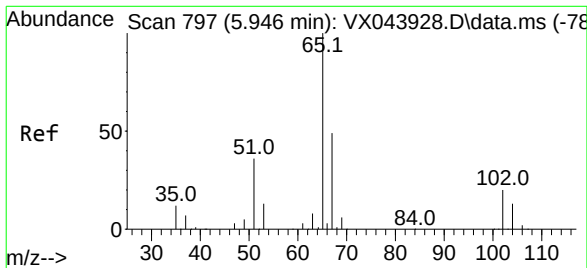
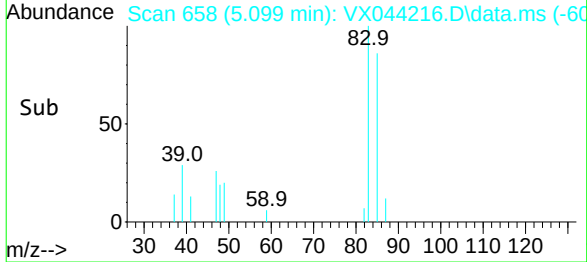
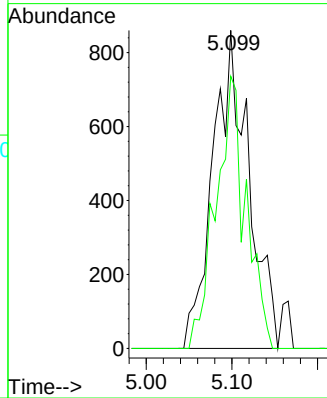
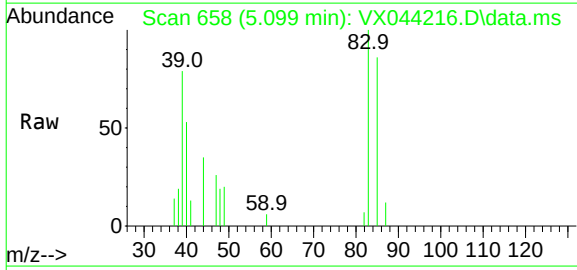
GAS-AUD-1610-1611-1612

Tgt Ion: 83 Resp: 2493

Ion Ratio Lower Upper

83 100

85 85.6 53.5 80.3#



#33

1,2-Dichloroethane-d4

Concen: 51.688 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX044216.D

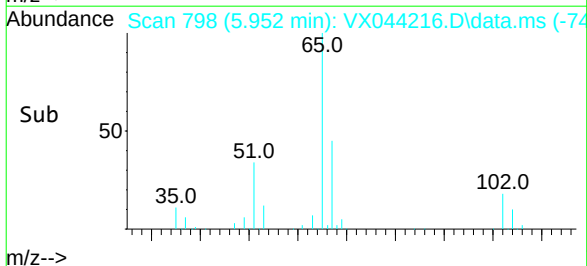
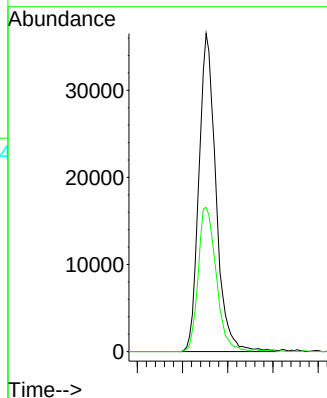
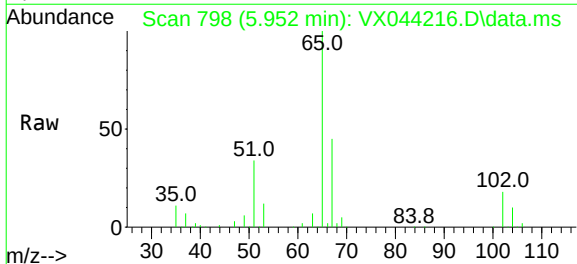
Acq: 10 Dec 2024 18:20

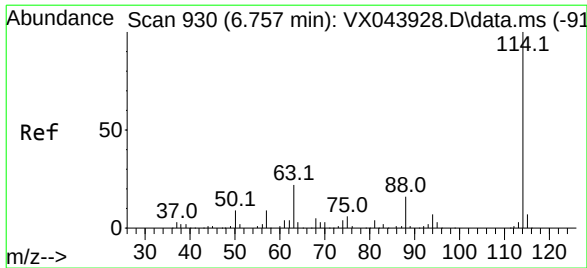
Tgt Ion: 65 Resp: 95701

Ion Ratio Lower Upper

65 100

67 47.8 0.0 100.8

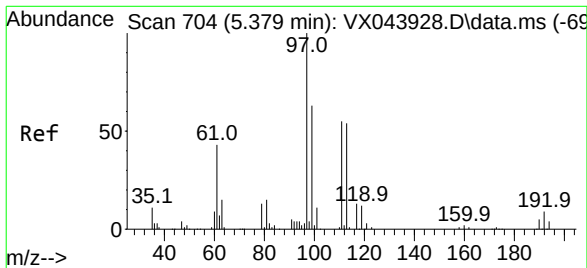
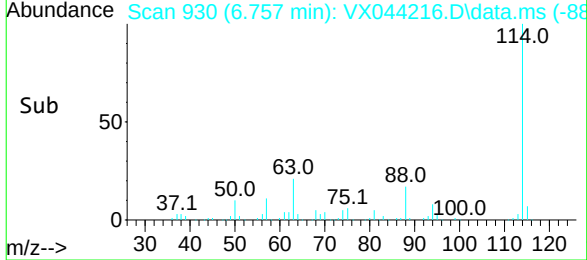
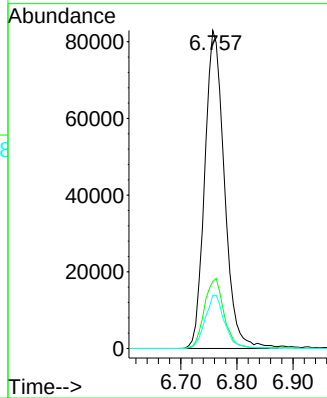
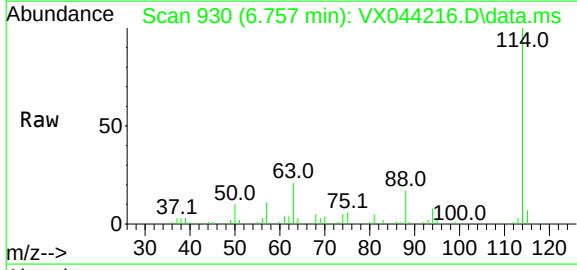




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 93  
Delta R.T. -0.000 min  
Lab File: VX044216.D  
Acq: 10 Dec 2024 18:20

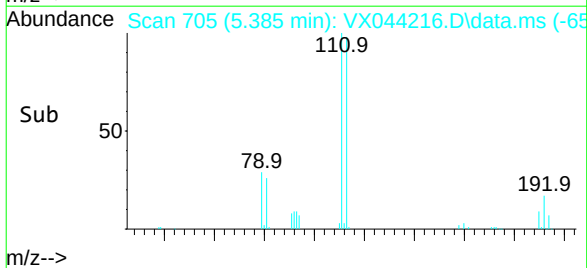
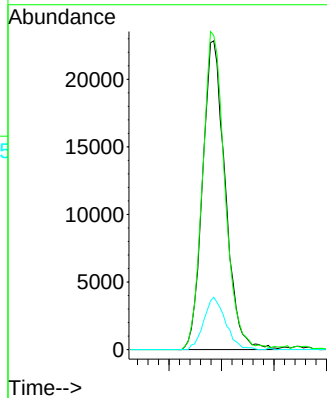
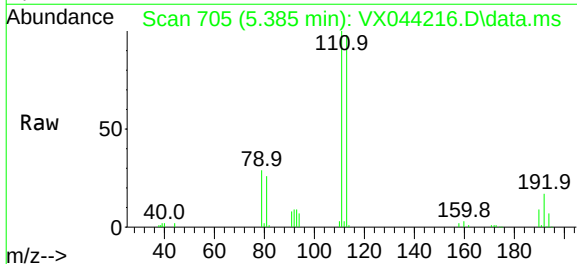
Instrument :  
MSVOA\_X  
ClientSampleId :  
GAS-AUD-1610-1611-1612

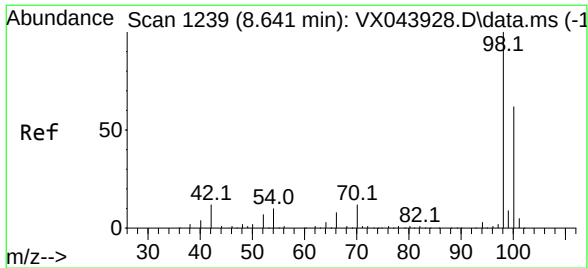
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 202303 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 21.0  | 0.0   | 44.0   |
| 88       | 16.7  | 0.0   | 32.4   |



#35  
Dibromofluoromethane  
Concen: 47.367 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX044216.D  
Acq: 10 Dec 2024 18:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 68472 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.4 | 81.0  | 121.4 |
| 192      | 16.3  | 13.0  | 19.6  |

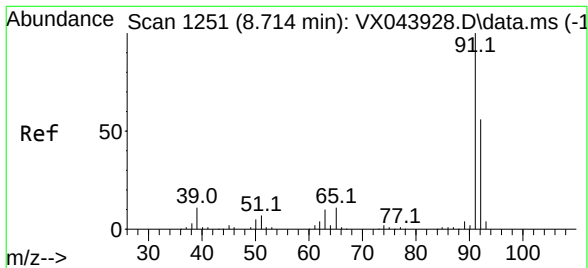
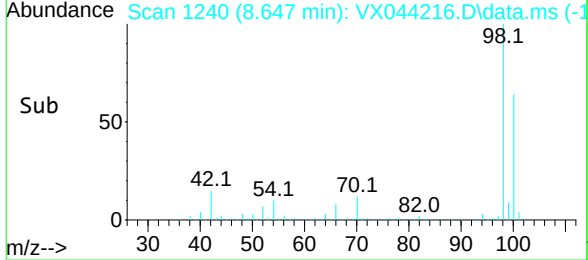
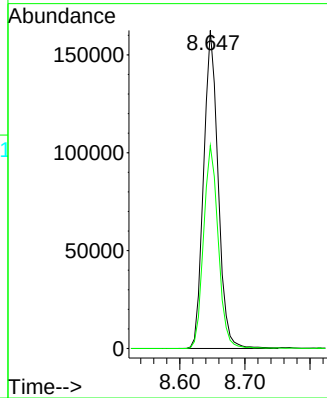
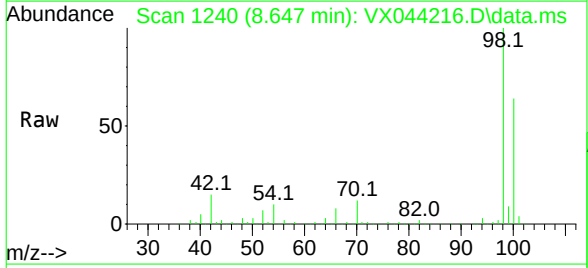




#50  
Toluene-d8  
Concen: 50.584 ug/l  
RT: 8.647 min Scan# 1239  
Delta R.T. 0.006 min  
Lab File: VX044216.D  
Acq: 10 Dec 2024 18:20

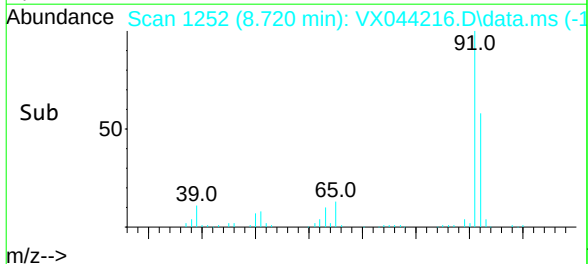
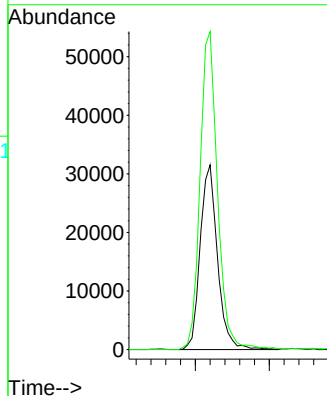
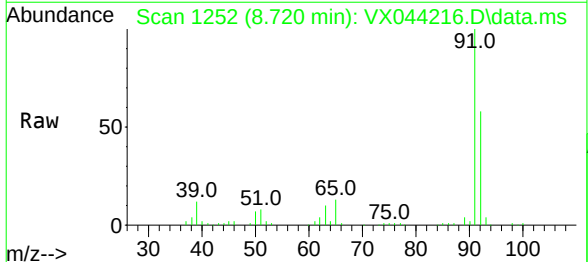
Instrument :  
MSVOA\_X  
ClientSampleId :  
GAS-AUD-1610-1611-1612

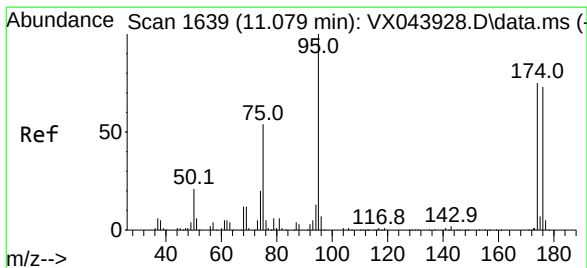
Tgt Ion: 98 Resp: 252061  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.6 79.0



#52  
Toluene  
Concen: 15.250 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. 0.006 min  
Lab File: VX044216.D  
Acq: 10 Dec 2024 18:20

Tgt Ion: 92 Resp: 51217  
Ion Ratio Lower Upper  
92 100  
91 173.9 139.7 209.5





#62

4-Bromofluorobenzene

Concen: 50.588 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044216.D

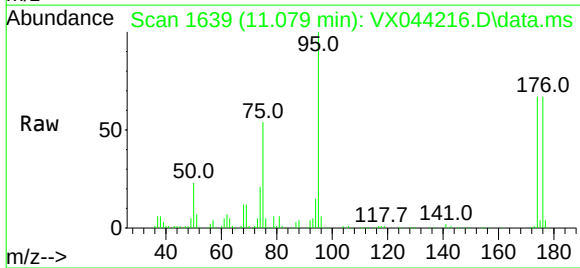
Acq: 10 Dec 2024 18:20

Instrument :

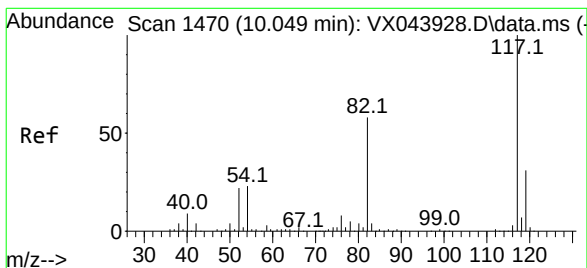
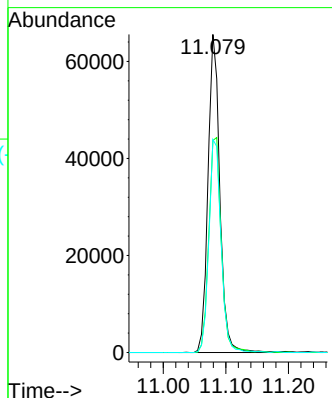
MSVOA\_X

ClientSampleId :

GAS-AUD-1610-1611-1612



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 85790 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 71.1  | 0.0   | 150.4 |
| 176      | 69.2  | 0.0   | 146.0 |



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

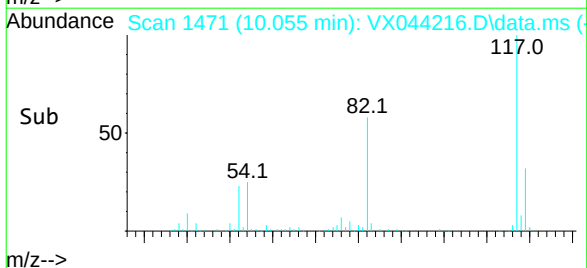
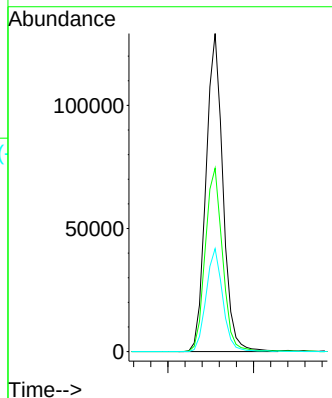
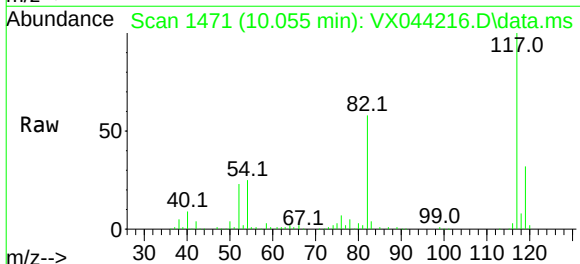
RT: 10.055 min Scan# 1471

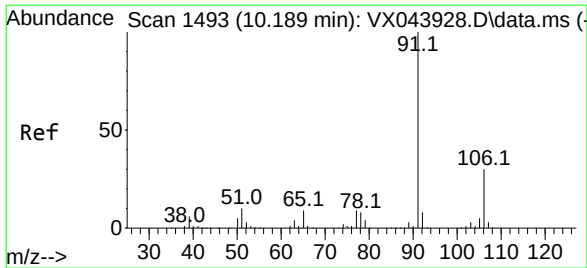
Delta R.T. 0.006 min

Lab File: VX044216.D

Acq: 10 Dec 2024 18:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 177635 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 57.7  | 46.4  | 69.6   |
| 119      | 32.4  | 24.6  | 37.0   |





#67

Ethyl Benzene

Concen: 1.440 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX044216.D

Acq: 10 Dec 2024 18:20

Instrument :

MSVOA\_X

ClientSampleId :

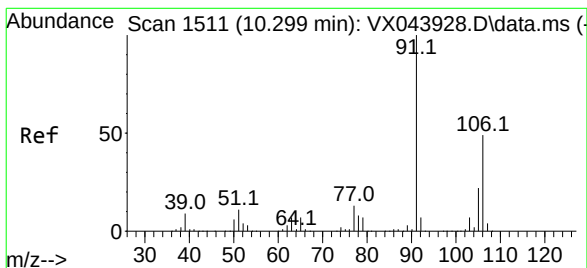
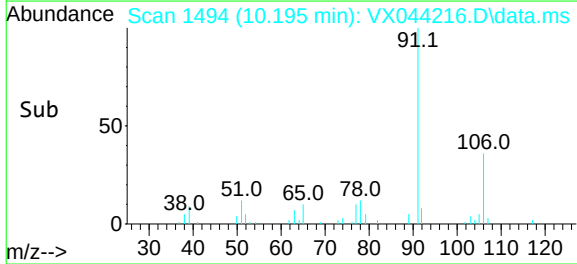
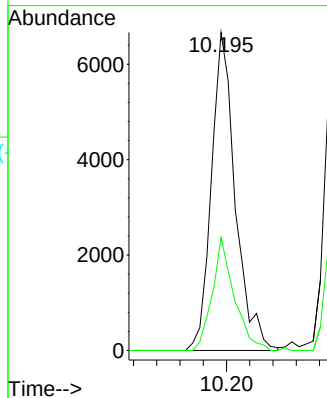
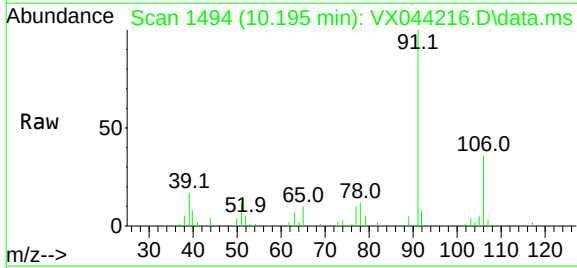
GAS-AUD-1610-1611-1612

Tgt Ion: 91 Resp: 9520

Ion Ratio Lower Upper

91 100

106 35.5 23.6 35.4#



#68

m/p-Xylenes

Concen: 4.831 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX044216.D

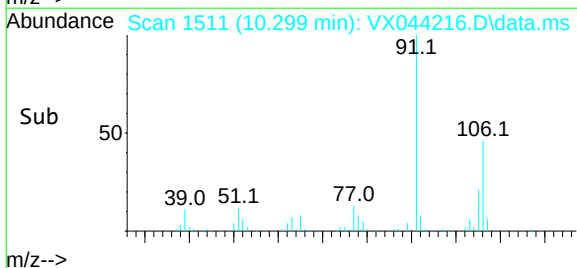
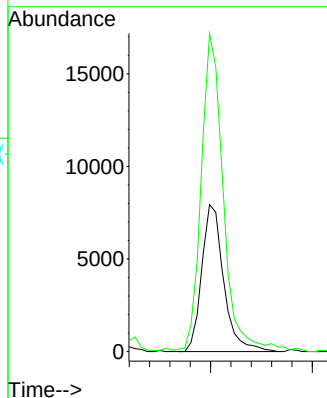
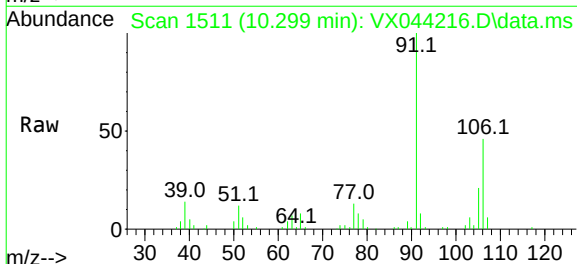
Acq: 10 Dec 2024 18:20

Tgt Ion: 106 Resp: 11910

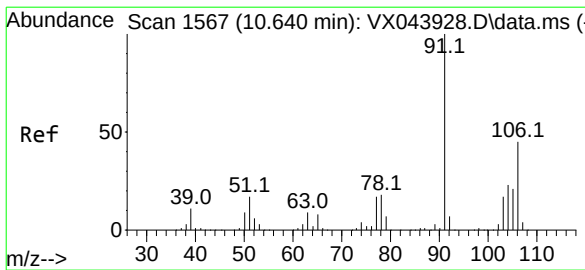
Ion Ratio Lower Upper

106 100

91 218.9 168.1 252.1







#69

o-Xylene

Concen: 3.199 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX044216.D

Acq: 10 Dec 2024 18:20

Instrument :

MSVOA\_X

ClientSampleId :

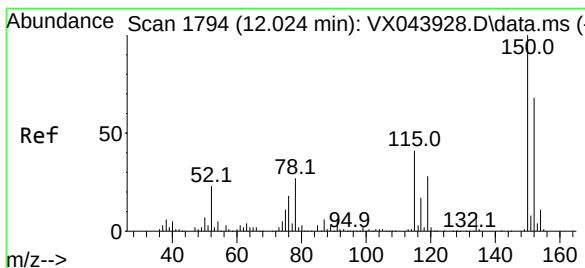
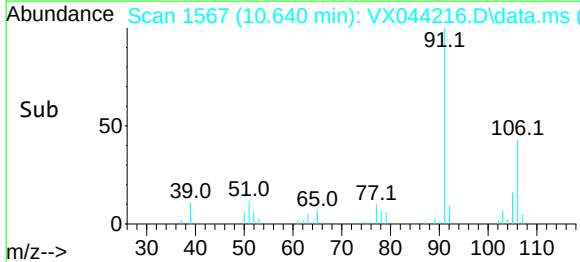
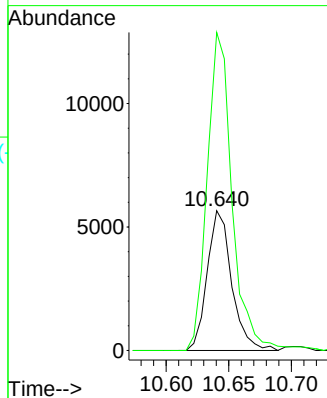
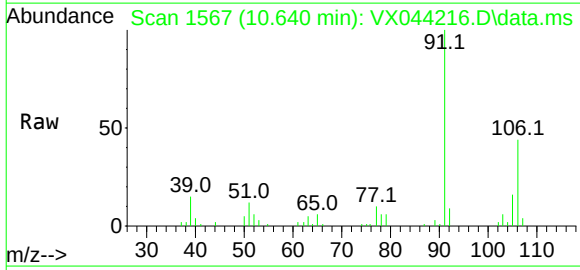
GAS-AUD-1610-1611-1612

Tgt Ion:106 Resp: 7701

Ion Ratio Lower Upper

106 100

91 232.0 110.2 330.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX044216.D

Acq: 10 Dec 2024 18:20

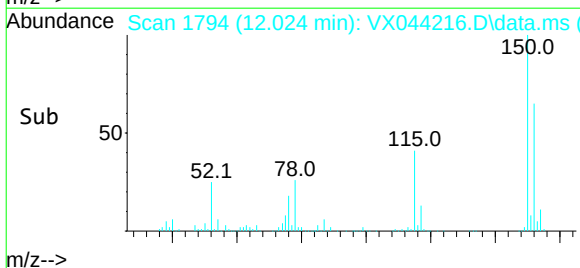
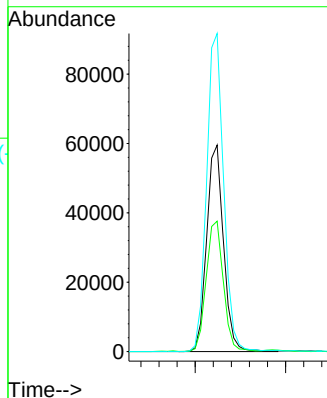
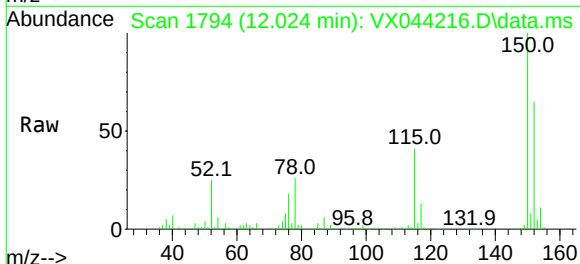
Tgt Ion:152 Resp: 77205

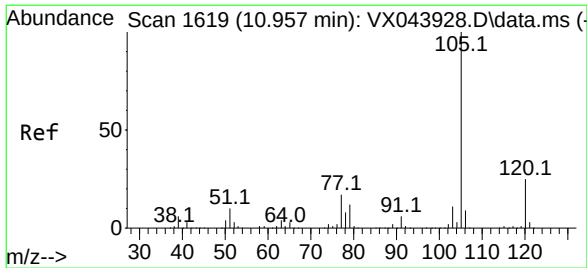
Ion Ratio Lower Upper

152 100

115 64.1 45.4 136.2

150 156.2 0.0 353.0





#73

Isopropylbenzene

Concen: 0.431 ug/l

RT: 10.963 min Scan# 1619

Delta R.T. 0.006 min

Lab File: VX044216.D

Acq: 10 Dec 2024 18:20

Instrument :

MSVOA\_X

ClientSampleId :

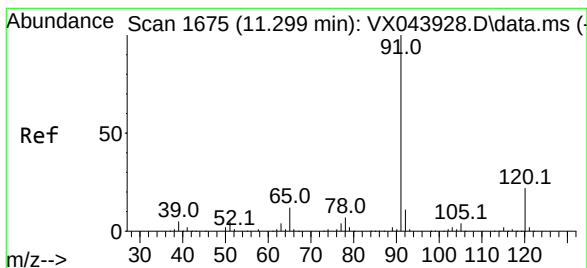
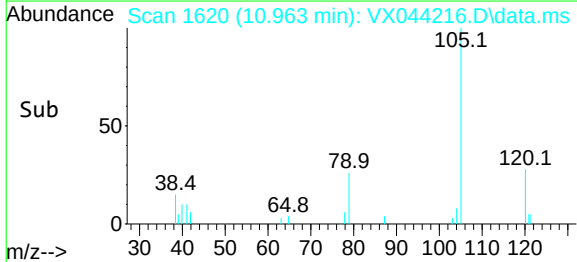
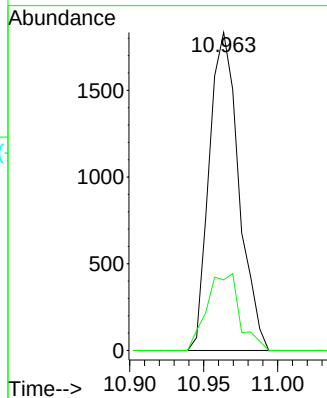
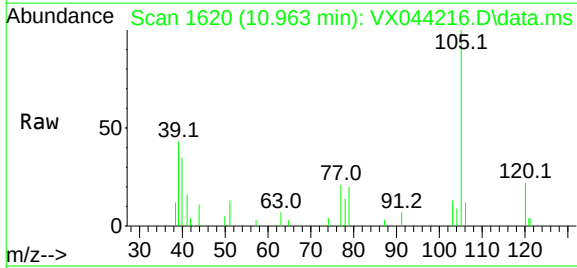
GAS-AUD-1610-1611-1612

Tgt Ion:105 Resp: 2555

Ion Ratio Lower Upper

105 100

120 26.8 13.0 38.9



#78

n-propylbenzene

Concen: 0.853 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX044216.D

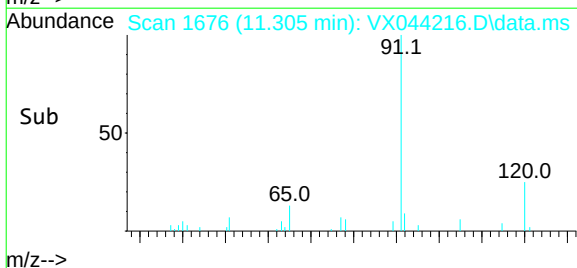
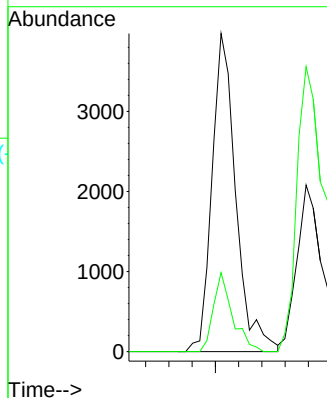
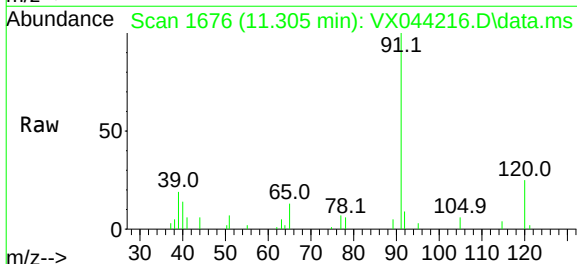
Acq: 10 Dec 2024 18:20

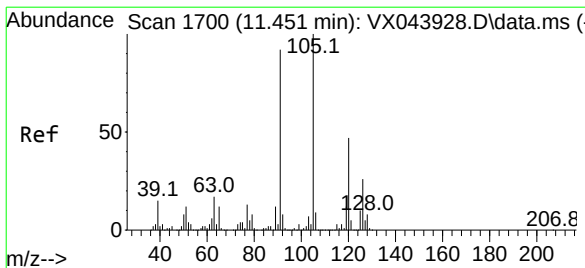
Tgt Ion: 91 Resp: 5657

Ion Ratio Lower Upper

91 100

120 20.0 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 1.381 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044216.D

Acq: 10 Dec 2024 18:20

Instrument :

MSVOA\_X

ClientSampleId :

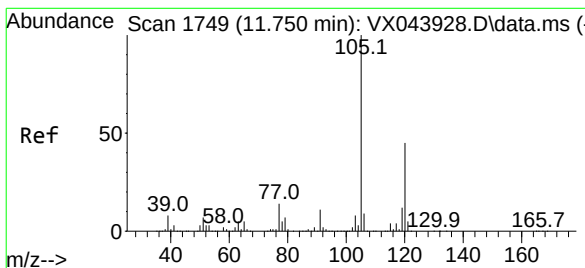
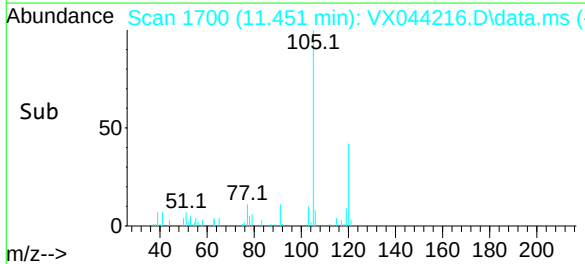
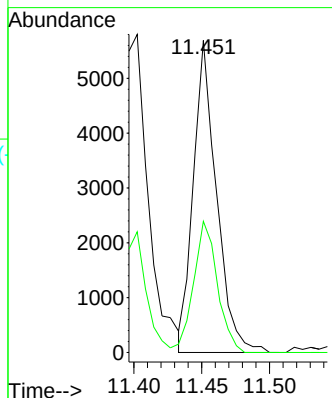
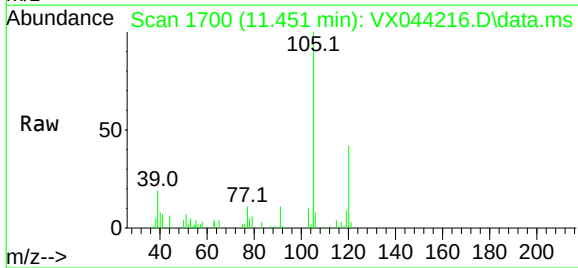
GAS-AUD-1610-1611-1612

Tgt Ion:105 Resp: 6744

Ion Ratio Lower Upper

105 100

120 43.5 23.3 69.8



#84

1,2,4-Trimethylbenzene

Concen: 5.813 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX044216.D

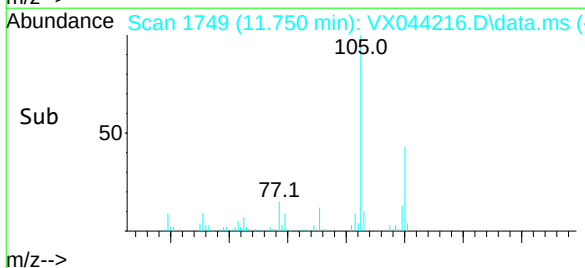
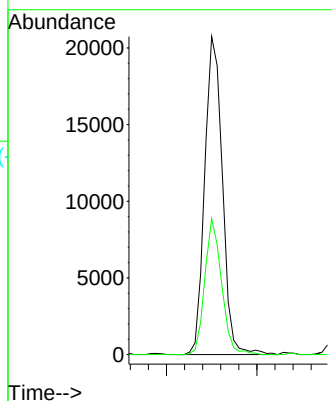
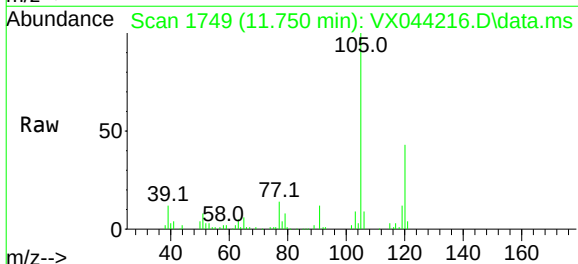
Acq: 10 Dec 2024 18:20

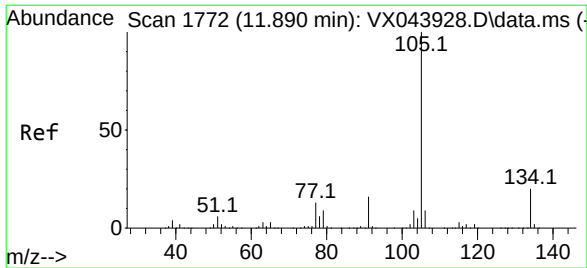
Tgt Ion:105 Resp: 28257

Ion Ratio Lower Upper

105 100

120 40.4 21.9 65.7





#85

sec-Butylbenzene

Concen: 0.403 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX044216.D

Acq: 10 Dec 2024 18:20

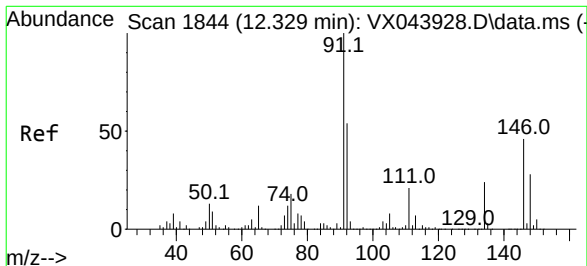
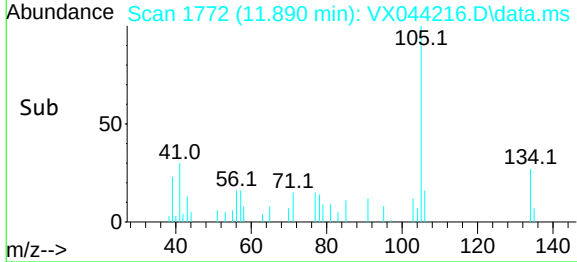
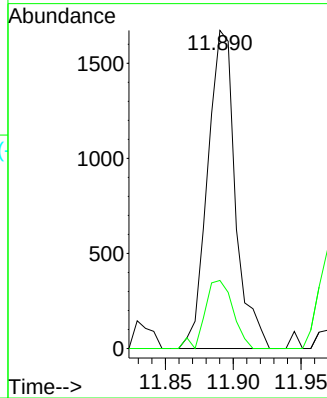
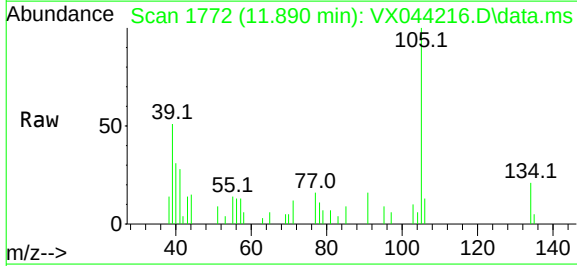
Instrument :

MSVOA\_X

ClientSampleId :

GAS-AUD-1610-1611-1612

Tgt Ion: 105 Resp: 2389  
 Ion Ratio Lower Upper  
 105 100  
 134 21.6 9.7 29.1



#89

n-Butylbenzene

Concen: 0.635 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX044216.D

Acq: 10 Dec 2024 18:20

Tgt Ion: 91 Resp: 2698  
 Ion Ratio Lower Upper  
 91 100  
 92 35.9 26.6 79.8  
 134 84.0 12.4 37.2#

