

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032823\  
 Data File : VX034794.D  
 Acq On : 28 Mar 2023 15:41  
 Operator : JC/MD  
 Sample : 02052-02  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 AUD-1525

Quant Time: Mar 28 16:10:17 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 13 10:29:32 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 271738   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 462289   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 409801   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 189274   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 194046   | 49.085   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 98.180% |
| 35) Dibromofluoromethane    | 5.385  | 113   | 134323   | 44.008   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 88.020% |
| 50) Toluene-d8              | 8.647  | 98    | 558129   | 48.983   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 97.960% |
| 62) 4-Bromofluorobenzene    | 11.085 | 95    | 201477   | 43.776   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 87.560% |

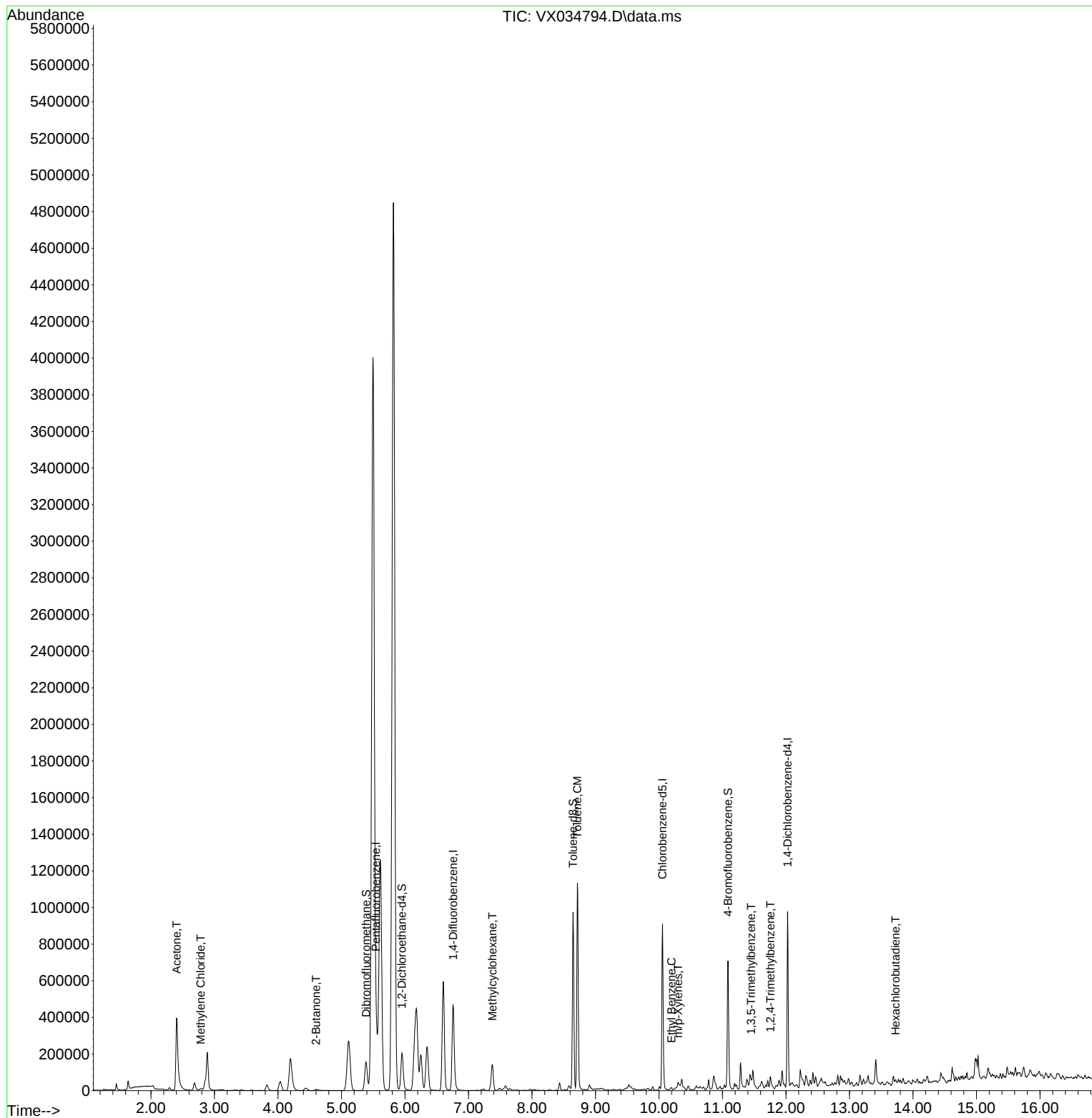
| Target Compounds           |        |     |        |         |      | Qvalue |
|----------------------------|--------|-----|--------|---------|------|--------|
| 16) Acetone                | 2.404  | 43  | 625884 | 336.104 | ug/l | 96     |
| 20) Methylene Chloride     | 2.782  | 84  | 3780   | 1.046   | ug/l | 86     |
| 25) 2-Butanone             | 4.599  | 43  | 14986  | 5.624   | ug/l | 93     |
| 39) Methylcyclohexane      | 7.379  | 83  | 62281  | 11.101  | ug/l | 95     |
| 52) Toluene                | 8.714  | 92  | 414804 | 48.854  | ug/l | 100    |
| 67) Ethyl Benzene          | 10.195 | 91  | 7558   | 0.470   | ug/l | 97     |
| 68) m/p-Xylenes            | 10.299 | 106 | 7378   | 1.193   | ug/l | 94     |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 13419  | 1.094   | ug/l | 98     |
| 84) 1,2,4-Trimethylbenzene | 11.756 | 105 | 26050  | 2.077   | ug/l | 99     |
| 94) Hexachlorobutadiene    | 13.725 | 225 | 2583   | 1.543   | ug/l | 91     |

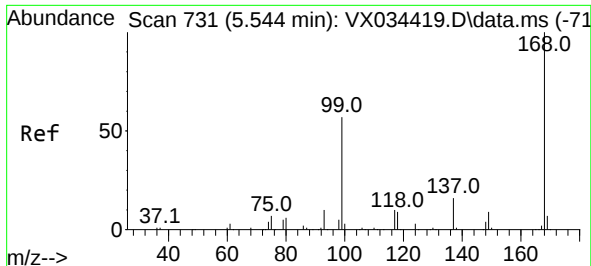
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_X  
ClientSampleId :  
AUD-1525

Quant Time: Mar 28 16:10:17 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031023W.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 13 10:29:32 2023  
Response via : Initial Calibration

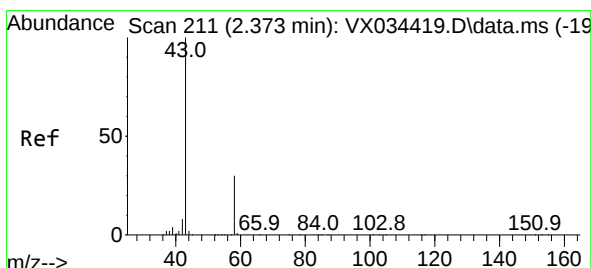
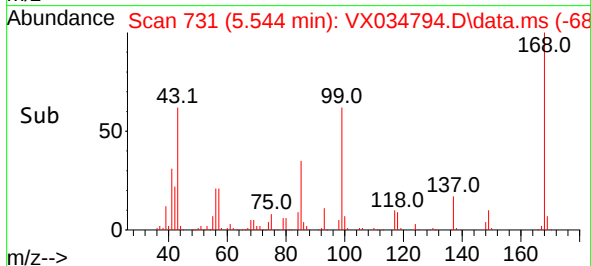
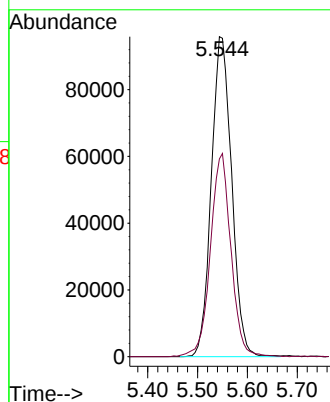
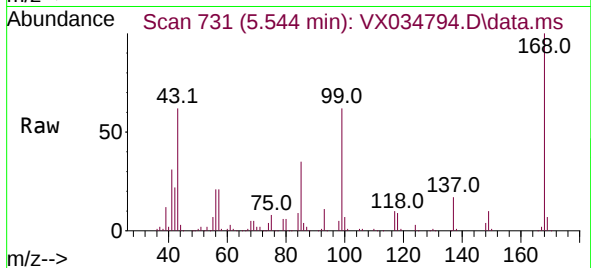




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.000 min  
Lab File: VX034794.D  
Acq: 28 Mar 2023 15:41

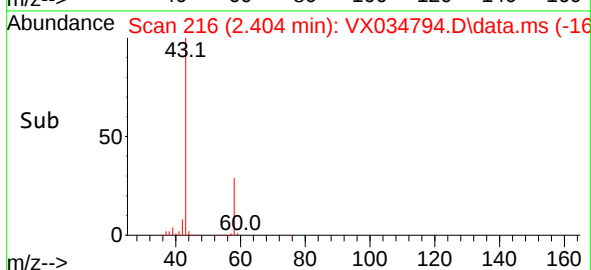
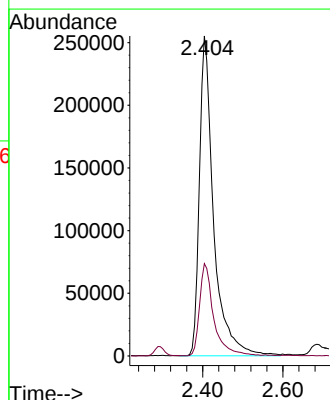
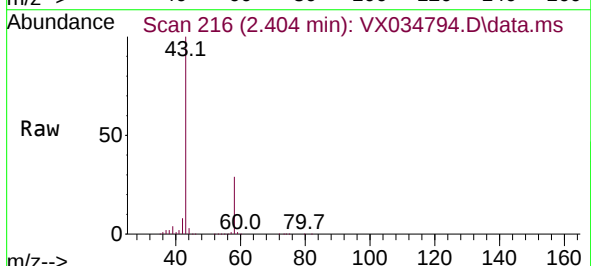
Instrument :  
MSVOA\_X  
ClientSampleId :  
AUD-1525

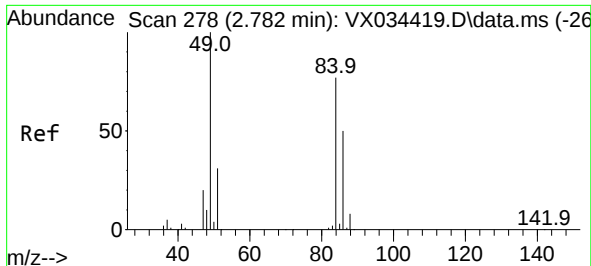
Tgt Ion:168 Resp: 271738  
Ion Ratio Lower Upper  
168 100  
99 61.6 45.7 68.5



#16  
Acetone  
Concen: 336.104 ug/l  
RT: 2.404 min Scan# 216  
Delta R.T. 0.031 min  
Lab File: VX034794.D  
Acq: 28 Mar 2023 15:41

Tgt Ion: 43 Resp: 625884  
Ion Ratio Lower Upper  
43 100  
58 28.8 24.7 37.1

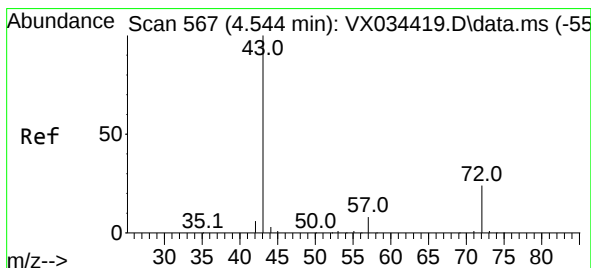
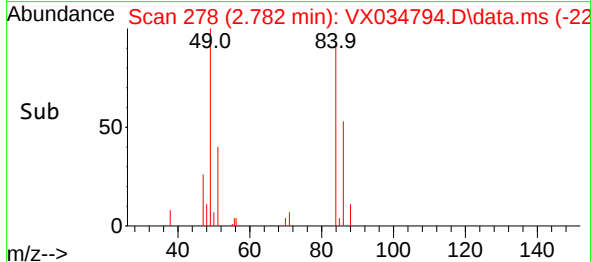
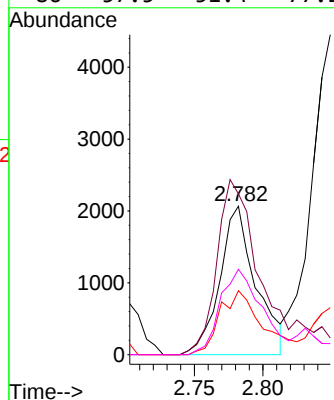
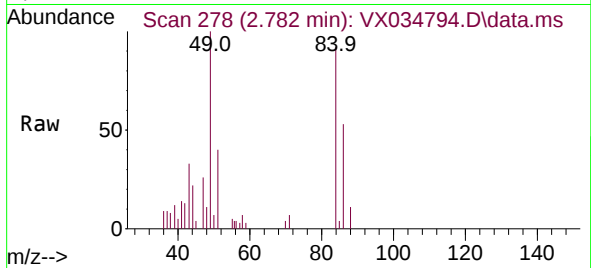




#20  
Methylene Chloride  
Concen: 1.046 ug/l  
RT: 2.782 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX034794.D  
Acq: 28 Mar 2023 15:41

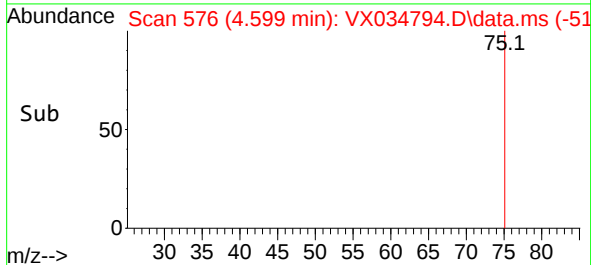
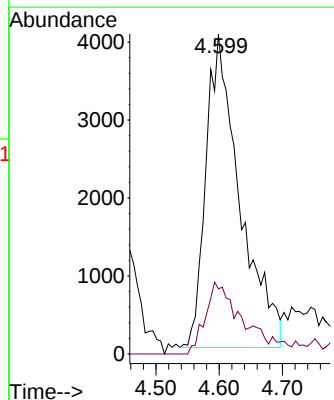
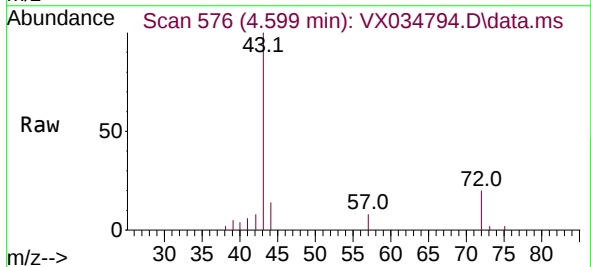
Instrument :  
MSVOA\_X  
ClientSampleId :  
AUD-1525

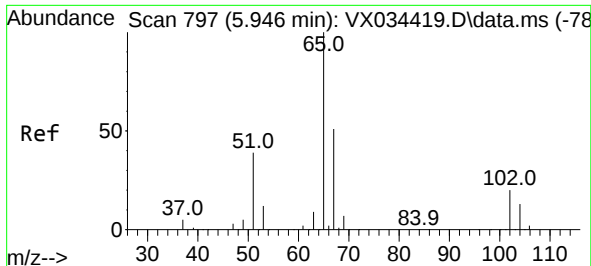
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 3780  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 108.3 | 103.8 | 155.8 |
| 51       | 43.1  | 31.8  | 47.8  |
| 86       | 57.5  | 51.4  | 77.2  |



#25  
2-Butanone  
Concen: 5.624 ug/l  
RT: 4.599 min Scan# 576  
Delta R.T. 0.055 min  
Lab File: VX034794.D  
Acq: 28 Mar 2023 15:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 14986 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 20.8  | 19.3  | 28.9  |

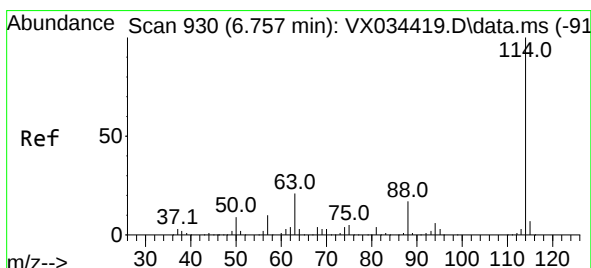
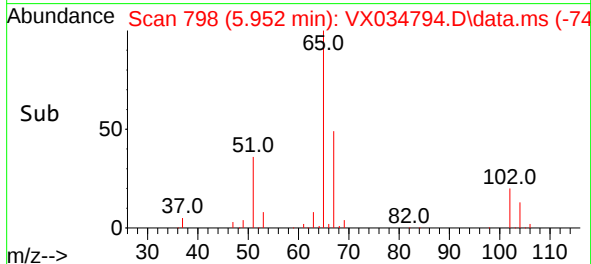
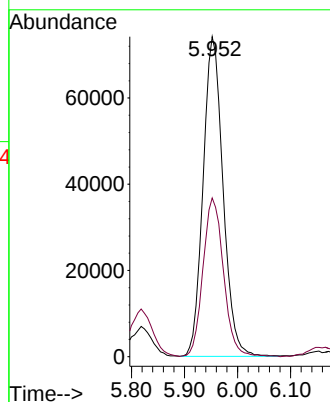
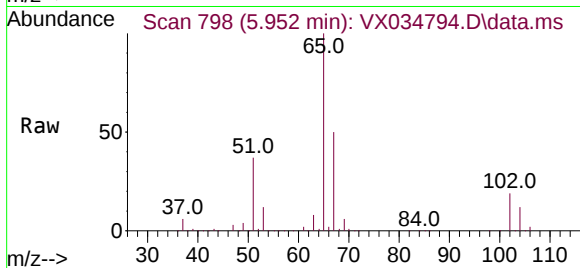




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.085 ug/l  
 RT: 5.952 min Scan# 797  
 Delta R.T. 0.006 min  
 Lab File: VX034794.D  
 Acq: 28 Mar 2023 15:41

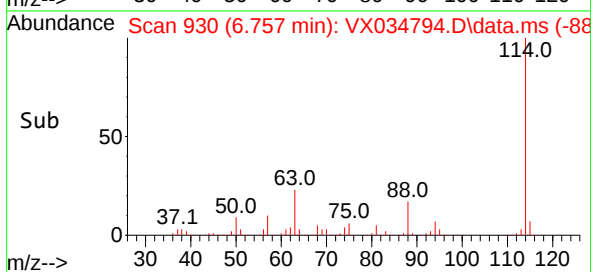
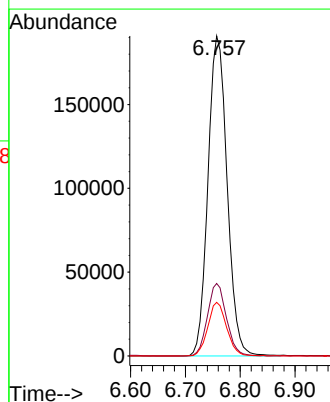
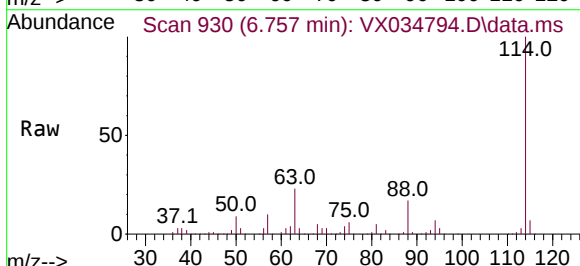
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 AUD-1525

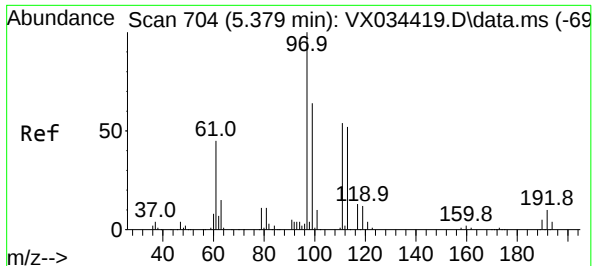
Tgt Ion: 65 Resp: 194046  
 Ion Ratio Lower Upper  
 65 100  
 67 51.1 0.0 104.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.757 min Scan# 930  
 Delta R.T. 0.000 min  
 Lab File: VX034794.D  
 Acq: 28 Mar 2023 15:41

Tgt Ion: 114 Resp: 462289  
 Ion Ratio Lower Upper  
 114 100  
 63 22.7 0.0 42.2  
 88 16.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 44.008 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX034794.D

Acq: 28 Mar 2023 15:41

Instrument :

MSVOA\_X

ClientSampleId :

AUD-1525

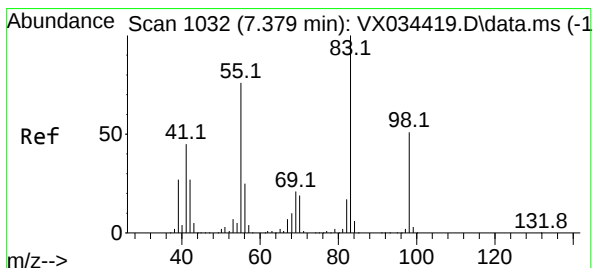
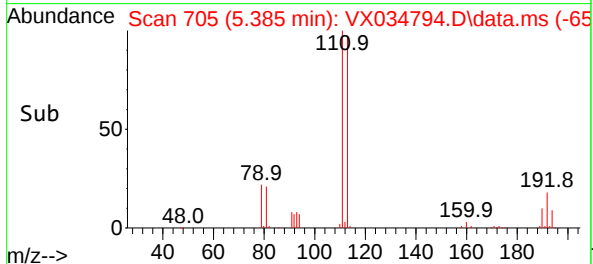
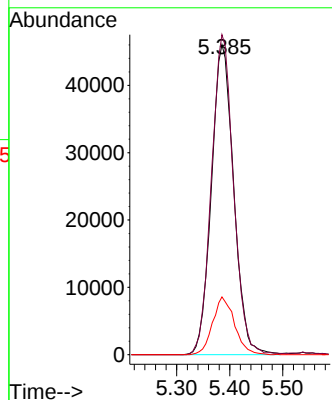
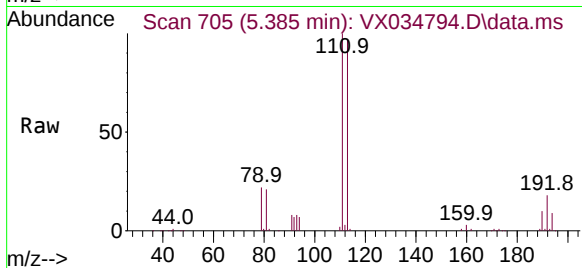
Tgt Ion:113 Resp: 134323

Ion Ratio Lower Upper

113 100

111 102.2 83.7 125.5

192 18.3 15.4 23.2



#39

Methylcyclohexane

Concen: 11.101 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VX034794.D

Acq: 28 Mar 2023 15:41

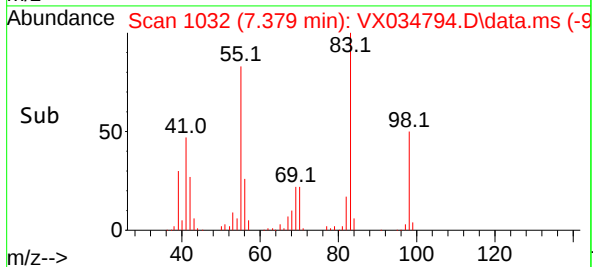
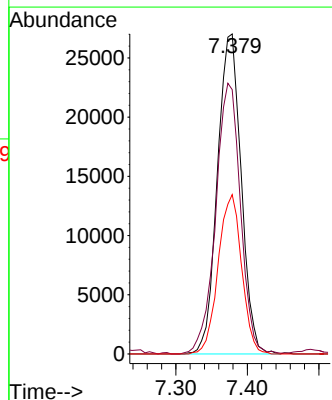
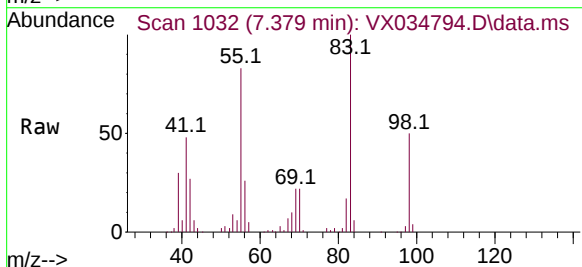
Tgt Ion: 83 Resp: 62281

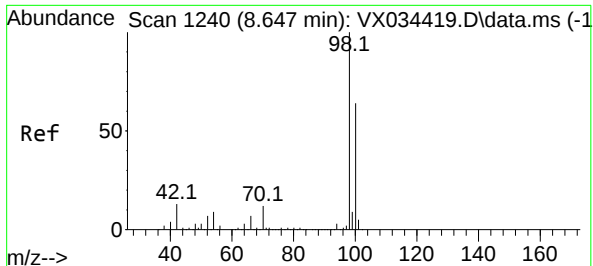
Ion Ratio Lower Upper

83 100

55 82.6 60.5 90.7

98 49.8 40.4 60.6

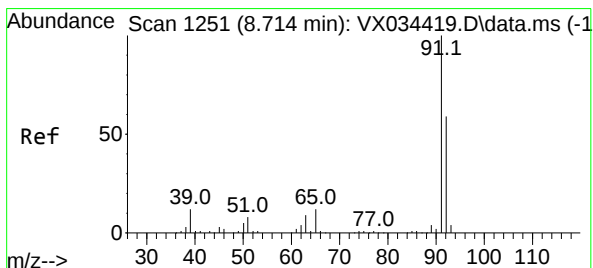
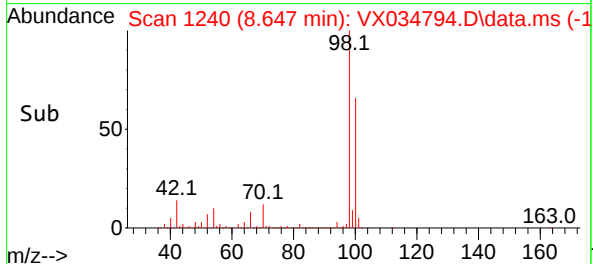
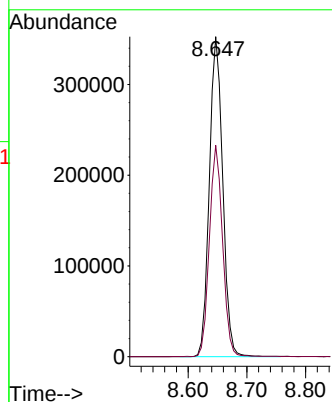
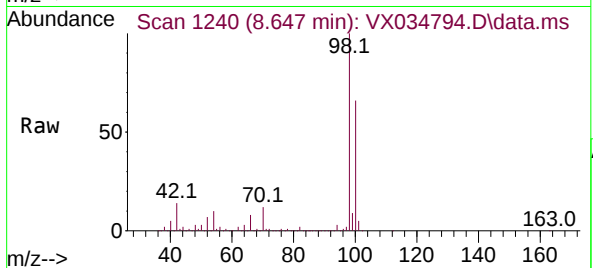




#50  
Toluene-d8  
Concen: 48.983 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX034794.D  
Acq: 28 Mar 2023 15:41

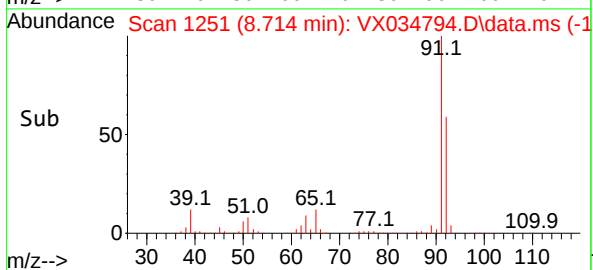
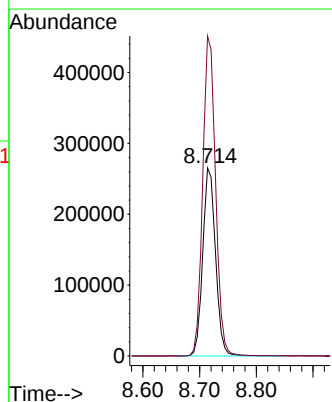
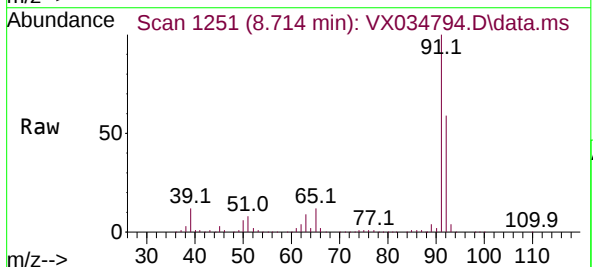
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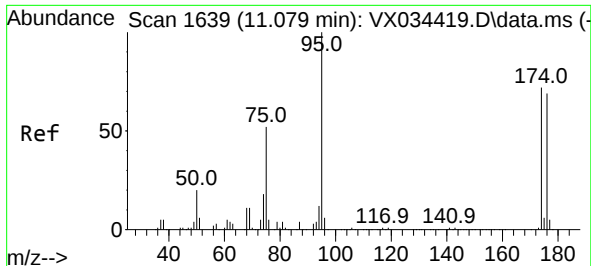
Tgt Ion: 98 Resp: 558129  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.5 78.7



#52  
Toluene  
Concen: 48.854 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. 0.000 min  
Lab File: VX034794.D  
Acq: 28 Mar 2023 15:41

Tgt Ion: 92 Resp: 414804  
Ion Ratio Lower Upper  
92 100  
91 171.1 136.8 205.2

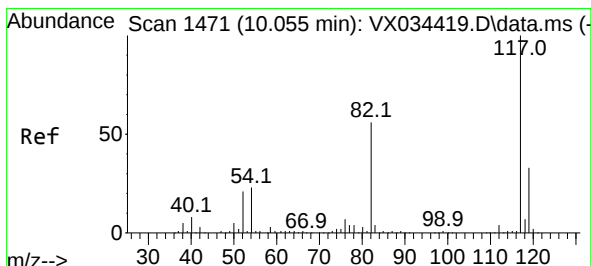
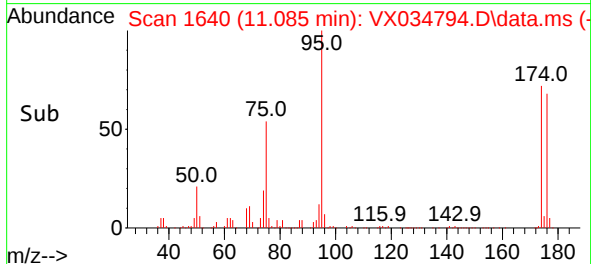
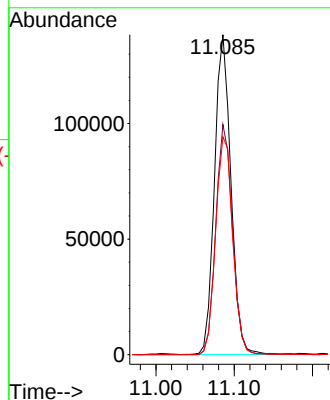
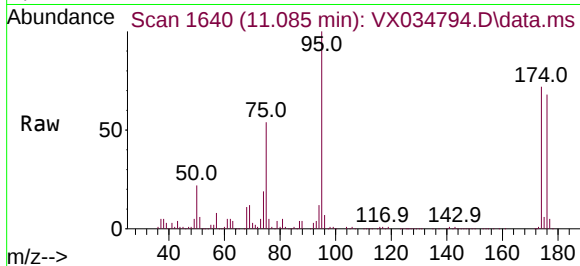




#62  
4-Bromofluorobenzene  
Concen: 43.776 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.006 min  
Lab File: VX034794.D  
Acq: 28 Mar 2023 15:41

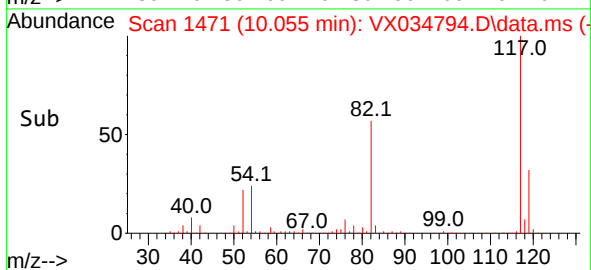
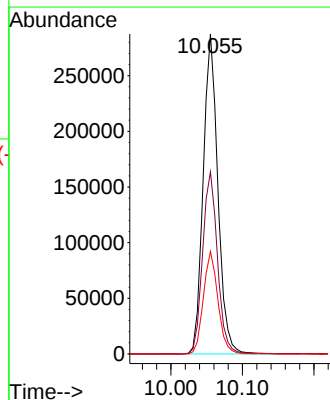
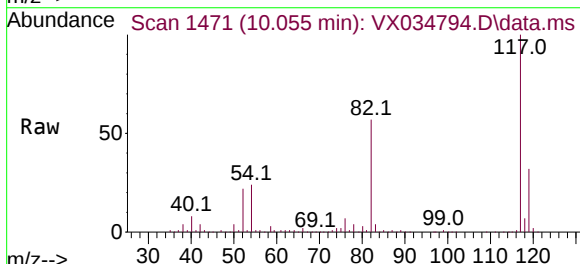
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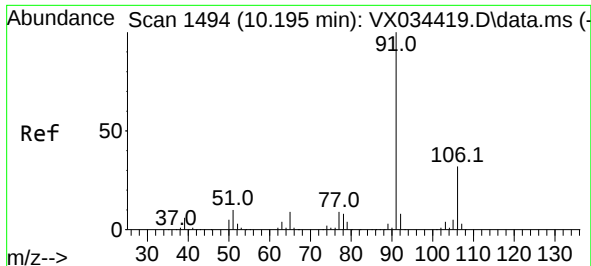
Tgt Ion: 95 Resp: 201477  
Ion Ratio Lower Upper  
95 100  
174 73.3 0.0 147.4  
176 71.0 0.0 140.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX034794.D  
Acq: 28 Mar 2023 15:41

Tgt Ion: 117 Resp: 409801  
Ion Ratio Lower Upper  
117 100  
82 56.9 45.0 67.4  
119 32.1 26.0 39.0





#67

Ethyl Benzene

Concen: 0.470 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX034794.D

Acq: 28 Mar 2023 15:41

Instrument :

MSVOA\_X

ClientSampleId :

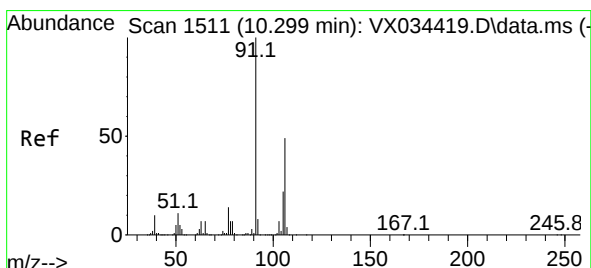
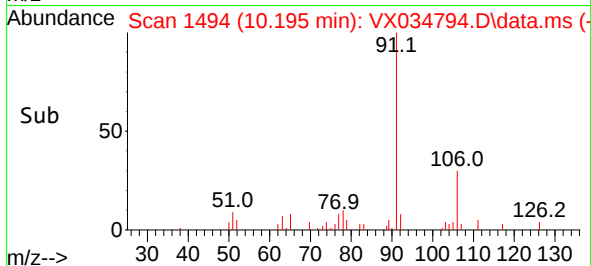
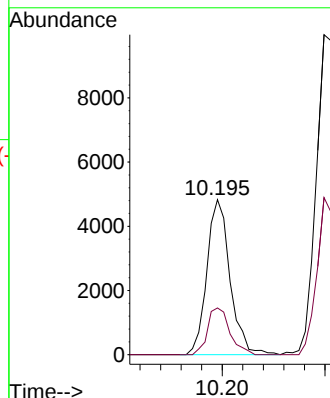
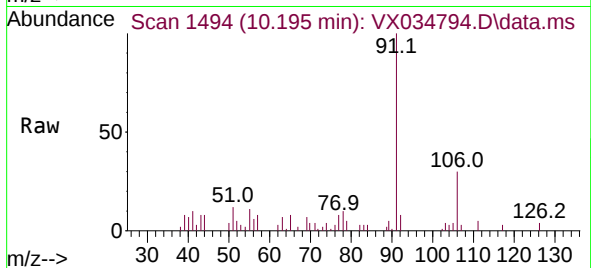
AUD-1525

Tgt Ion: 91 Resp: 7558

Ion Ratio Lower Upper

91 100

106 30.2 25.6 38.4



#68

m/p-Xylenes

Concen: 1.193 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX034794.D

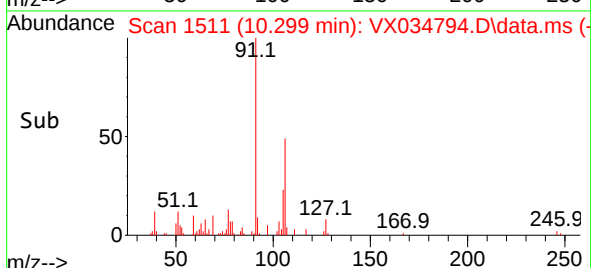
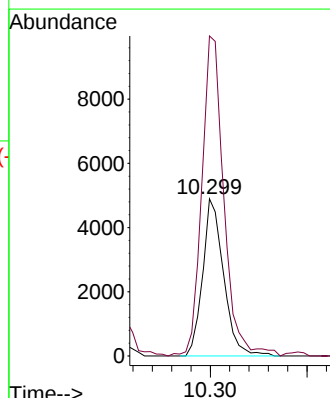
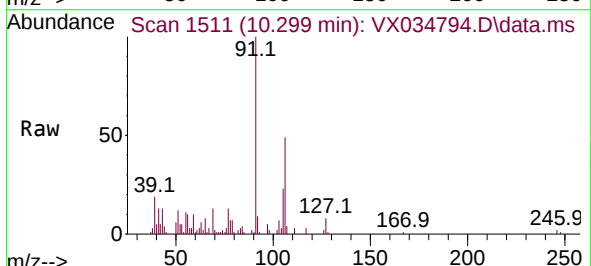
Acq: 28 Mar 2023 15:41

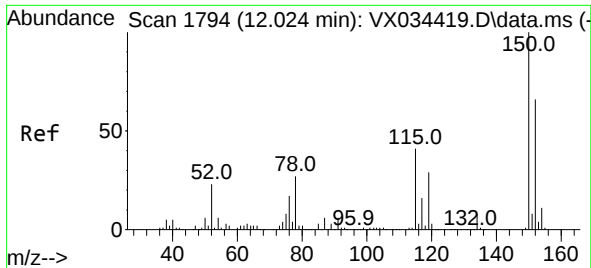
Tgt Ion: 106 Resp: 7378

Ion Ratio Lower Upper

106 100

91 213.8 164.0 246.0

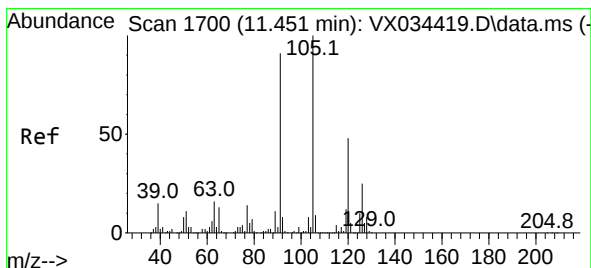
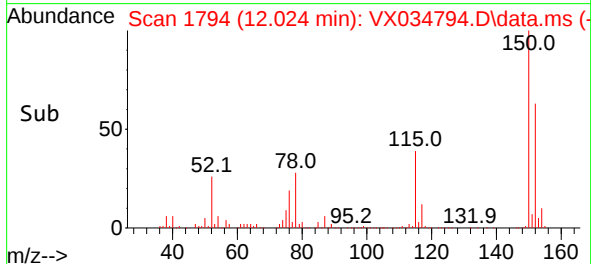
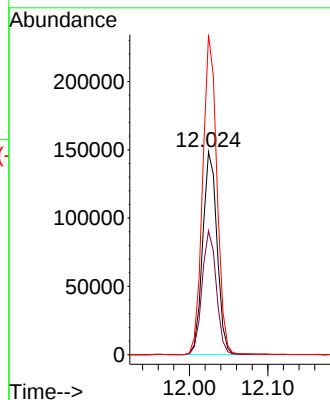
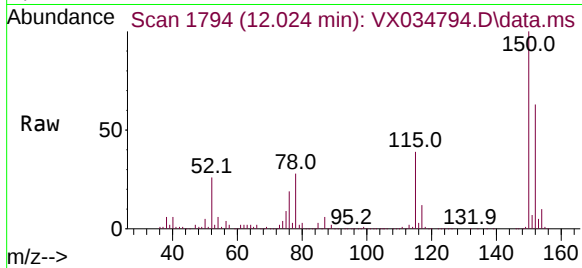




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX034794.D  
 Acq: 28 Mar 2023 15:41

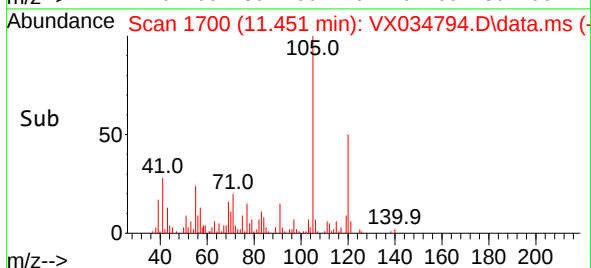
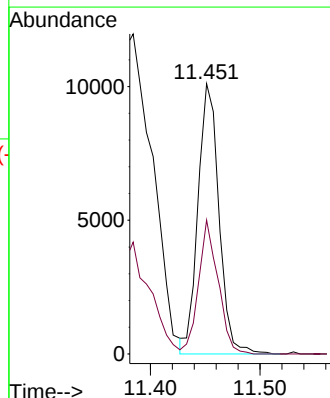
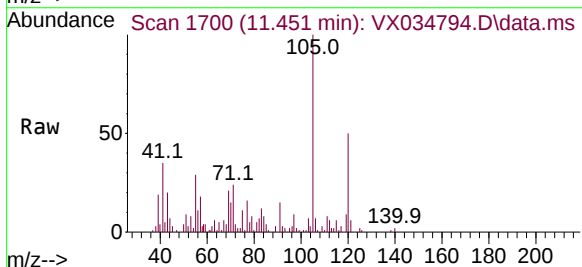
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 AUD-1525

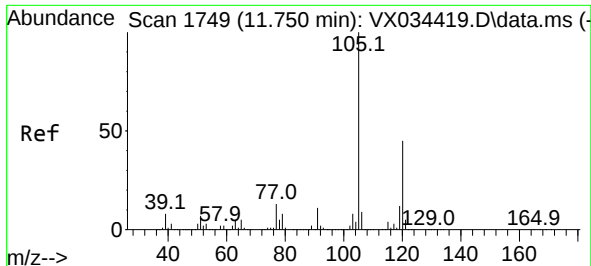
Tgt Ion:152 Resp: 189274  
 Ion Ratio Lower Upper  
 152 100  
 115 60.7 45.0 135.0  
 150 155.9 0.0 352.4



#80  
 1,3,5-Trimethylbenzene  
 Concen: 1.094 ug/l  
 RT: 11.451 min Scan# 1700  
 Delta R.T. 0.000 min  
 Lab File: VX034794.D  
 Acq: 28 Mar 2023 15:41

Tgt Ion:105 Resp: 13419  
 Ion Ratio Lower Upper  
 105 100  
 120 46.2 23.7 71.1

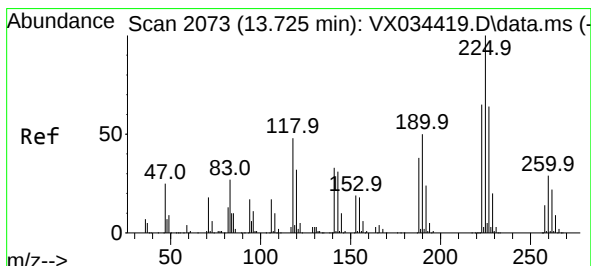
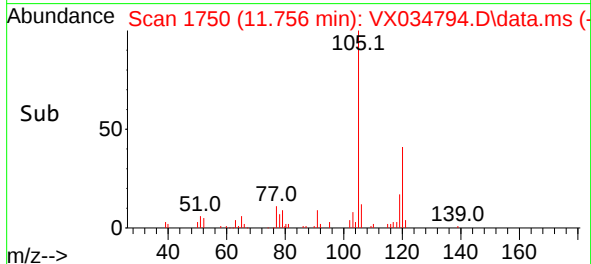
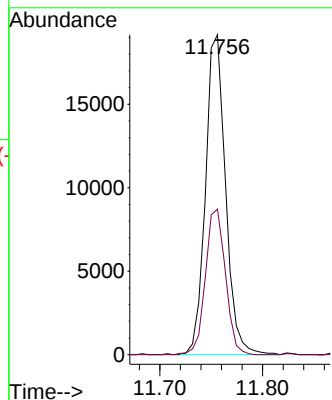
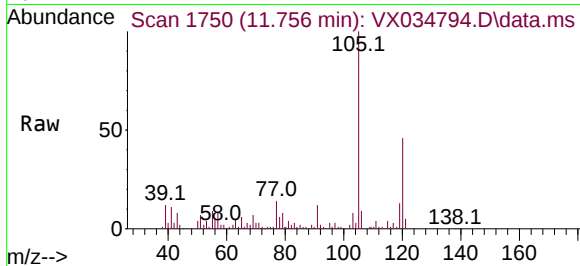




#84  
 1,2,4-Trimethylbenzene  
 Concen: 2.077 ug/l  
 RT: 11.756 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VX034794.D  
 Acq: 28 Mar 2023 15:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 AUD-1525

Tgt Ion:105 Resp: 26050  
 Ion Ratio Lower Upper  
 105 100  
 120 45.3 22.4 67.0



#94  
 Hexachlorobutadiene  
 Concen: 1.543 ug/l  
 RT: 13.725 min Scan# 2073  
 Delta R.T. 0.000 min  
 Lab File: VX034794.D  
 Acq: 28 Mar 2023 15:41

Tgt Ion:225 Resp: 2583  
 Ion Ratio Lower Upper  
 225 100  
 223 52.6 32.1 96.5  
 227 60.5 31.8 95.4

