

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052821\  
 Data File : VX022230.D  
 Acq On : 27 May 2021 14:19  
 Operator : JC/MD  
 Sample : VIBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: May 27 14:45:54 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051921W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 19 14:23:10 2021  
 Response via : Initial Calibration

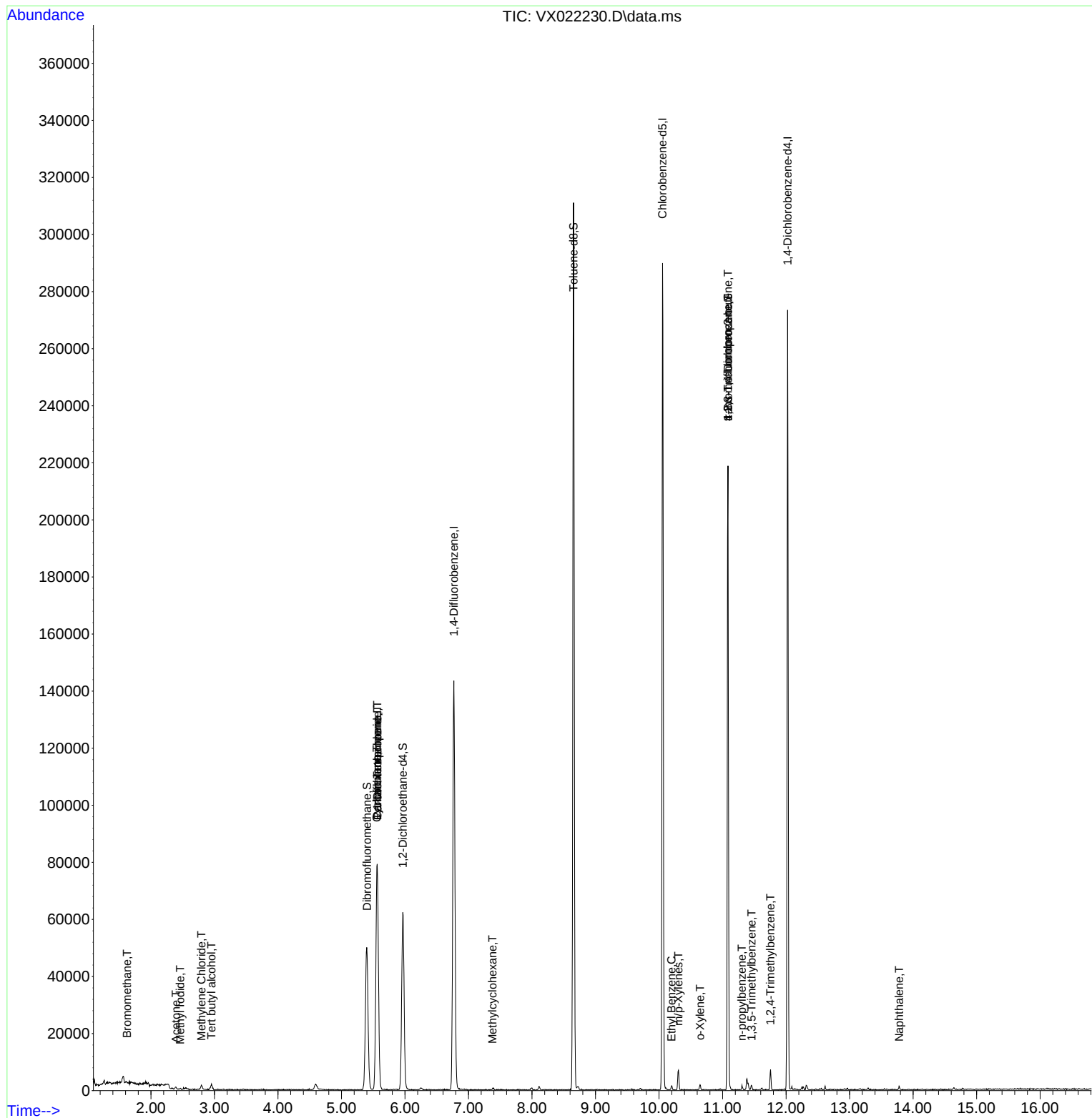
| Compound                      | R.T.           | QIon | Response           | Conc  | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-------|--------|----------|
| -----                         |                |      |                    |       |        |          |
| Internal Standards            |                |      |                    |       |        |          |
| 1) Pentafluorobenzene         | 5.562          | 168  | 69574              | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769          | 114  | 144464             | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 126157             | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 49519              | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds   |                |      |                    |       |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964          | 65   | 56740              | 52.87 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 105.74% |       |        |          |
| 35) Dibromofluoromethane      | 5.403          | 113  | 43085              | 47.03 | ug/l   | 0.01     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 94.06%  |       |        |          |
| 50) Toluene-d8                | 8.653          | 98   | 176922             | 50.13 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 100.26% |       |        |          |
| 62) 4-Bromofluorobenzene      | 11.085         | 95   | 60794              | 46.61 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 93.22%  |       |        |          |
| Target Compounds              |                |      |                    |       |        |          |
|                               |                |      |                    |       | Qvalue |          |
| 5) Bromomethane               | 1.624          | 94   | 319                | 0.57  | ug/l # | 69       |
| 10) Methyl Iodide             | 2.459          | 142  | 245                | 0.28  | ug/l # | 80       |
| 11) Tert butyl alcohol        | 2.953          | 59   | 1066               | 4.34  | ug/l # | 73       |
| 16) Acetone                   | 2.392          | 43   | 617                | 1.32  | ug/l # | 40       |
| 20) Methylene Chloride        | 2.794          | 84   | 635                | 0.61  | ug/l # | 85       |
| 31) Cyclohexane               | 5.556          | 56   | 1923               | 1.43  | ug/l # | 26       |
| 36) 1,1-Dichloropropene       | 5.562          | 75   | 6964               | 5.21  | ug/l # | 46       |
| 38) Carbon Tetrachloride      | 5.562          | 117  | 8006               | 6.13  | ug/l # | 15       |
| 39) Methylcyclohexane         | 7.379          | 83   | 374                | 0.25  | ug/l # | 49       |
| 67) Ethyl Benzene             | 10.195         | 91   | 1102               | 0.23  | ug/l # | 88       |
| 68) m/p-Xylenes               | 10.305         | 106  | 1751               | 0.96  | ug/l   | 92       |
| 69) o-Xylene                  | 10.646         | 106  | 468                | 0.26  | ug/l   | 94       |
| 76) 1,2,3-Trichloropropane    | 11.085         | 75   | 31706              | 25.95 | ug/l # | 39       |
| 78) n-propylbenzene           | 11.305         | 91   | 1012               | 0.21  | ug/l   | 92       |
| 80) 1,3,5-Trimethylbenzene    | 11.457         | 105  | 905                | 0.26  | ug/l   | 84       |
| 81) trans-1,4-Dichloro-2-b... | 11.085         | 75   | 31706              | 61.49 | ug/l # | 12       |
| 84) 1,2,4-Trimethylbenzene    | 11.756         | 105  | 2947               | 0.84  | ug/l   | 100      |
| 95) Naphthalene               | 13.780         | 128  | 874                | 0.23  | ug/l # | 86       |
| -----                         |                |      |                    |       |        |          |

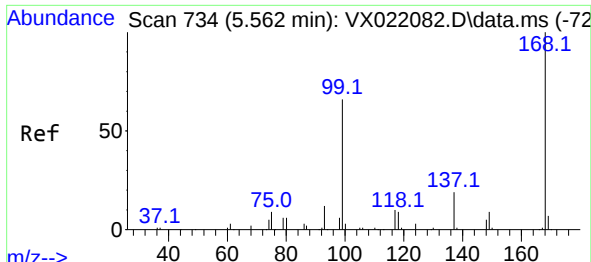
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052821\  
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Sample : VIBLK  
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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: May 27 14:45:54 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051921W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 19 14:23:10 2021  
Response via : Initial Calibration

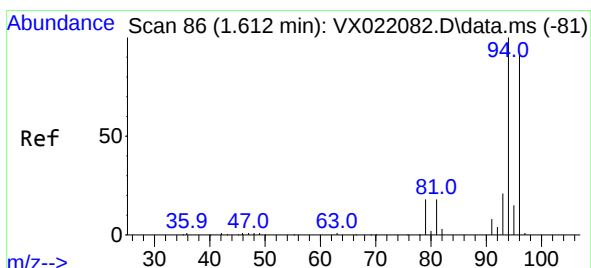
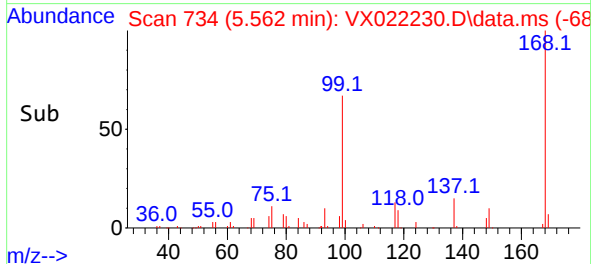
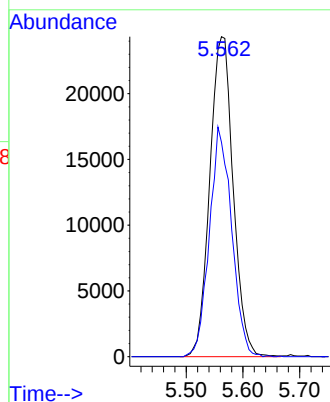
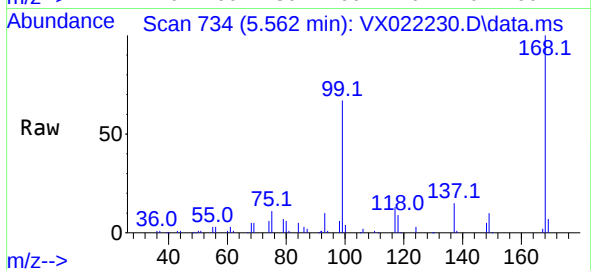




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.000 min  
Lab File: VX022230.D  
Acq: 27 May 2021 14:19

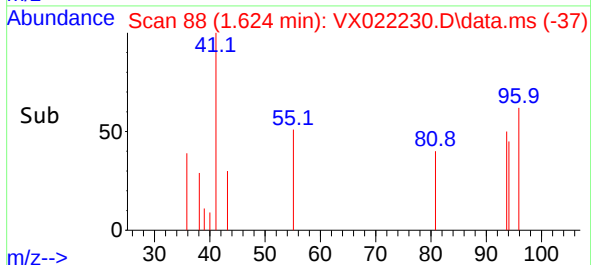
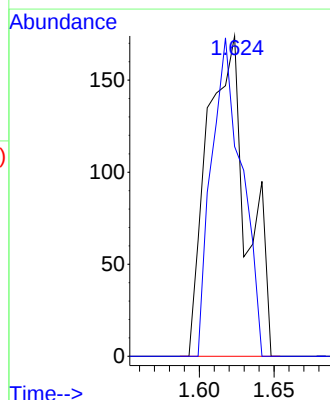
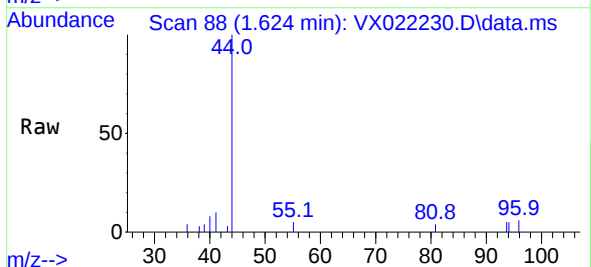
Instrument :  
MSVOA\_X  
ClientSampled :

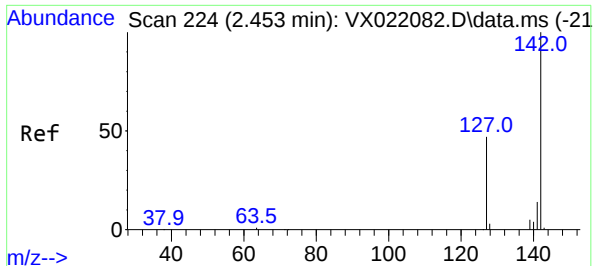
Tgt Ion:168 Resp: 69574  
Ion Ratio Lower Upper  
168 100  
99 67.0 45.8 68.6



#5  
Bromomethane  
Concen: 0.57 ug/l  
RT: 1.624 min Scan# 88  
Delta R.T. 0.012 min  
Lab File: VX022230.D  
Acq: 27 May 2021 14:19

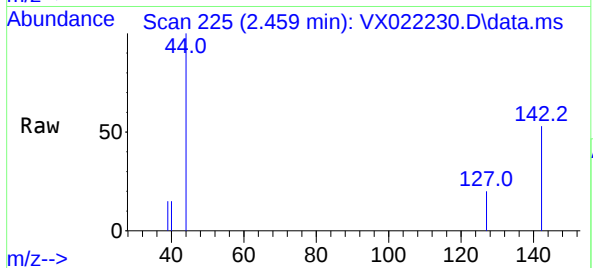
Tgt Ion: 94 Resp: 319  
Ion Ratio Lower Upper  
94 100  
96 65.5 76.4 114.6#



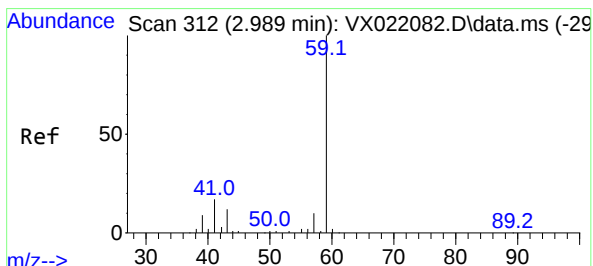
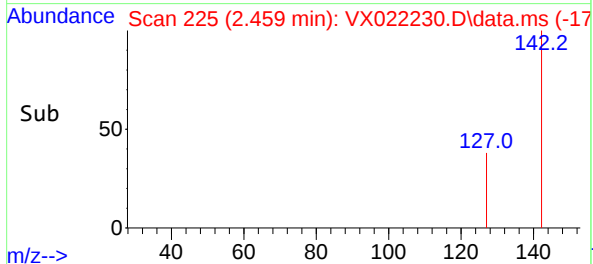
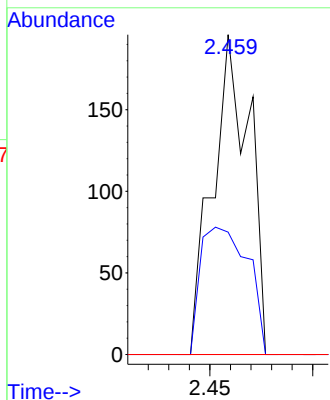


#10  
Methyl Iodide  
Concen: 0.28 ug/l  
RT: 2.459 min Scan# 225  
Delta R.T. 0.006 min  
Lab File: VX022230.D  
Acq: 27 May 2021 14:19

Instrument :  
MSVOA\_X  
ClientSampleId :

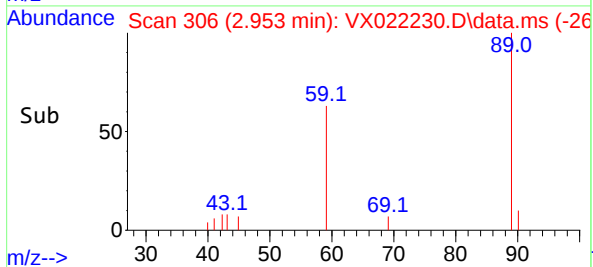
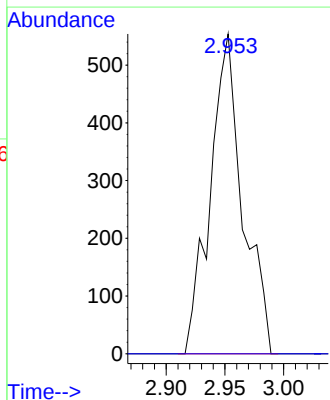
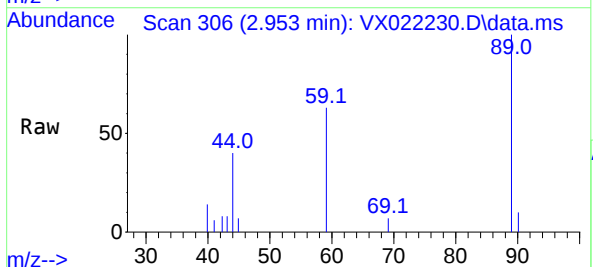


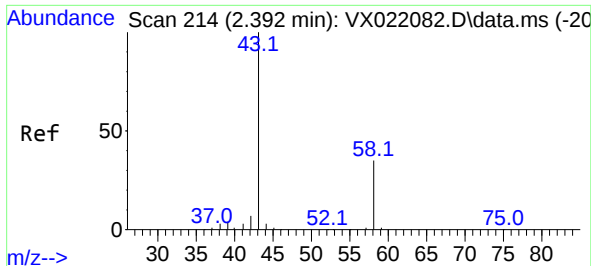
Tgt Ion:142 Resp: 245  
Ion Ratio Lower Upper  
142 100  
127 51.0 33.3 49.9#  
141 0.0 11.4 17.0#



#11  
Tert butyl alcohol  
Concen: 4.34 ug/l  
RT: 2.953 min Scan# 306  
Delta R.T. -0.036 min  
Lab File: VX022230.D  
Acq: 27 May 2021 14:19

Tgt Ion: 59 Resp: 1066  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

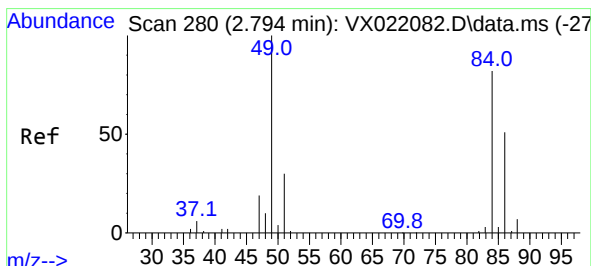
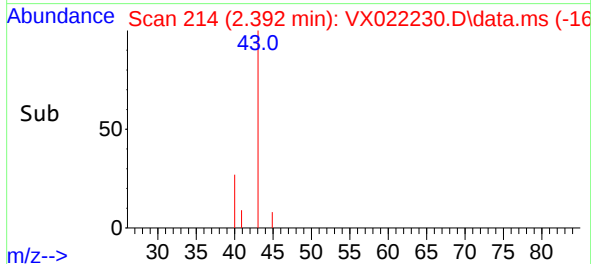
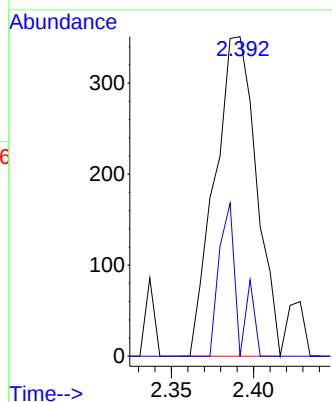
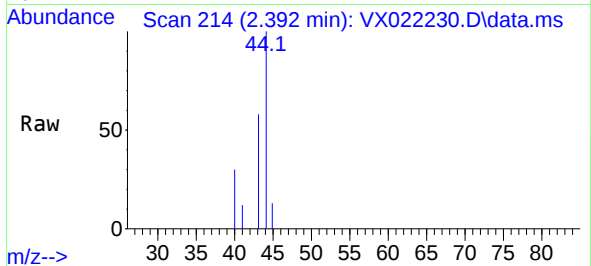




#16  
Acetone  
Concen: 1.32 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX022230.D  
Acq: 27 May 2021 14:19

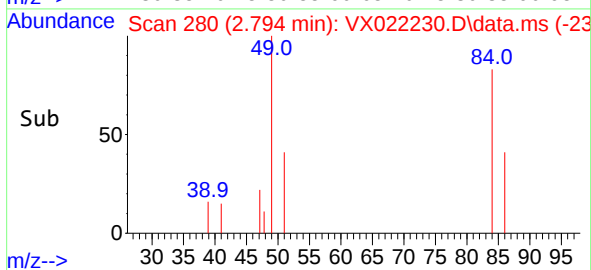
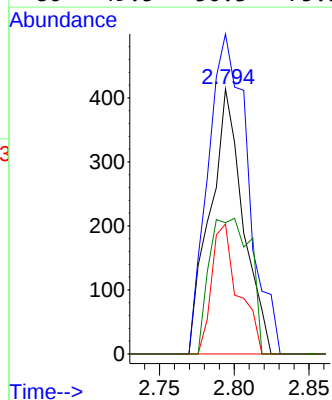
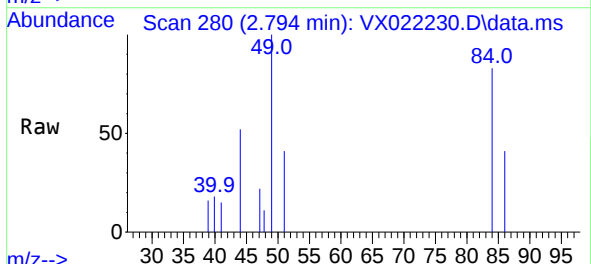
Instrument :  
MSVOA\_X  
ClientSampleId :

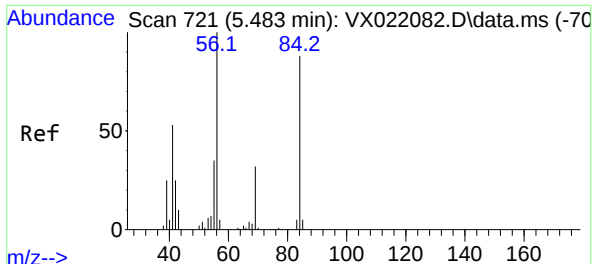
Tgt Ion: 43 Resp: 617  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.8 41.8#



#20  
Methylene Chloride  
Concen: 0.61 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.000 min  
Lab File: VX022230.D  
Acq: 27 May 2021 14:19

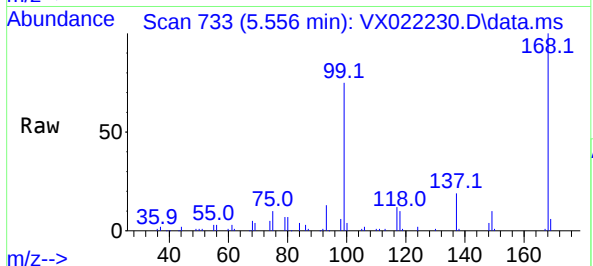
Tgt Ion: 84 Resp: 635  
Ion Ratio Lower Upper  
84 100  
49 120.8 88.6 132.8  
51 49.0 27.0 40.6#  
86 49.5 50.3 75.5#



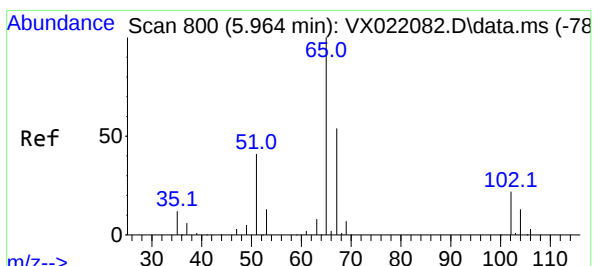
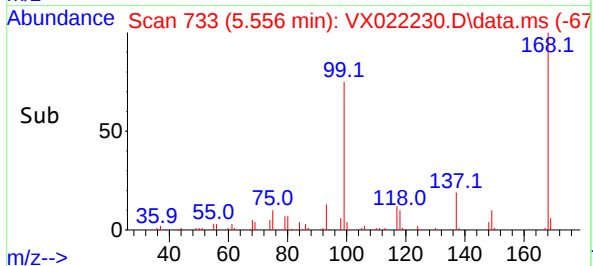
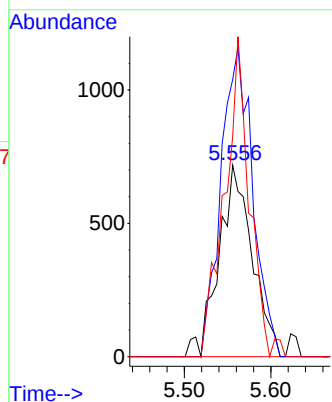


#31  
Cyclohexane  
Concen: 1.43 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.073 min  
Lab File: VX022230.D  
Acq: 27 May 2021 14:19

Instrument :  
MSVOA\_X  
ClientSampleId :

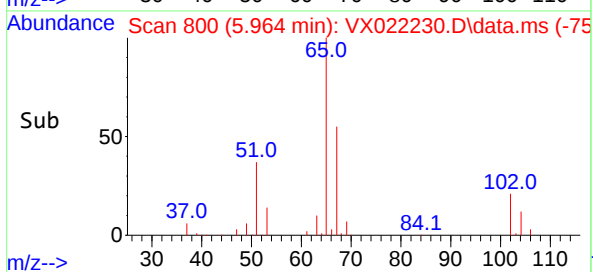
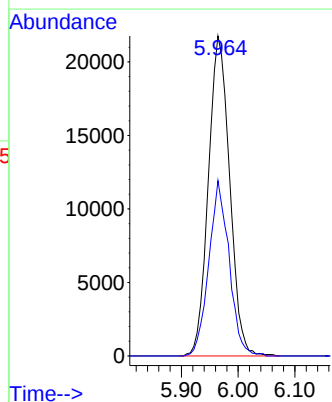
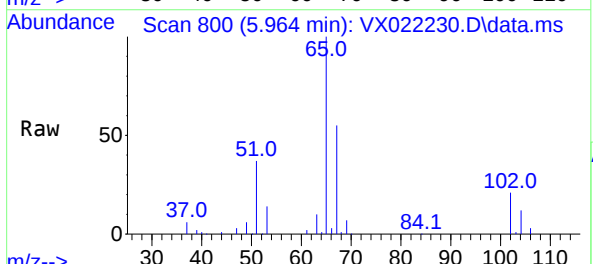


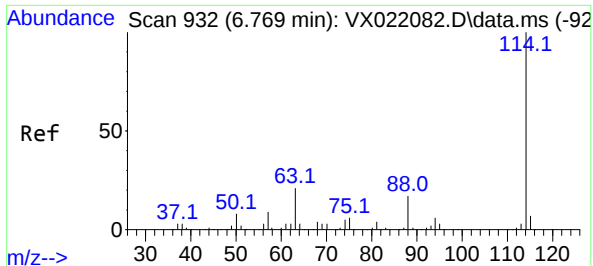
Tgt Ion: 56 Resp: 1923  
Ion Ratio Lower Upper  
56 100  
69 144.7 25.3 37.9#  
84 114.9 71.4 107.0#



#33  
1,2-Dichloroethane-d4  
Concen: 52.87 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX022230.D  
Acq: 27 May 2021 14:19

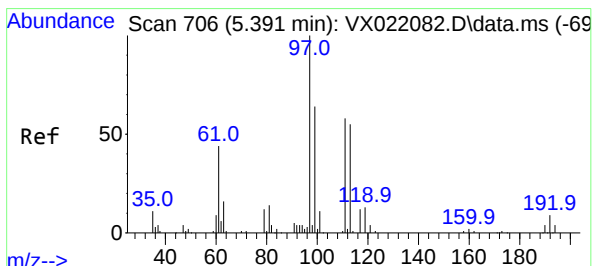
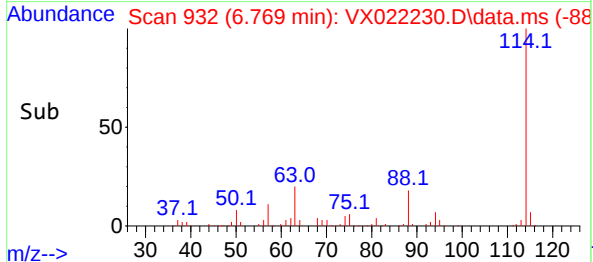
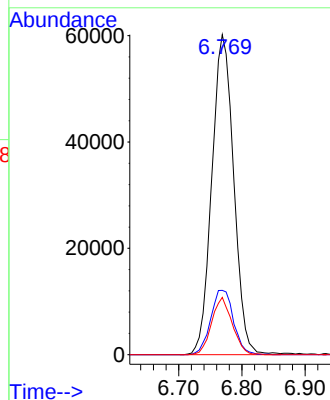
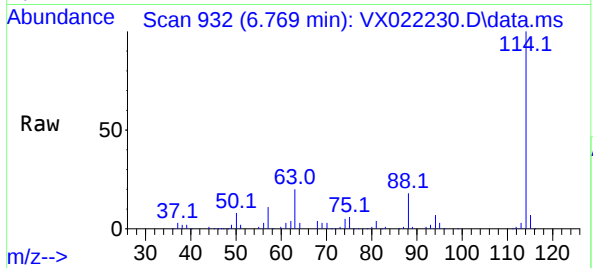
Tgt Ion: 65 Resp: 56740  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 105.4





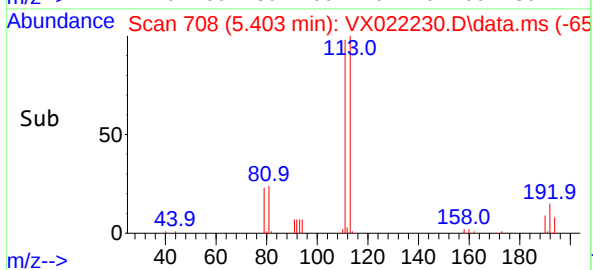
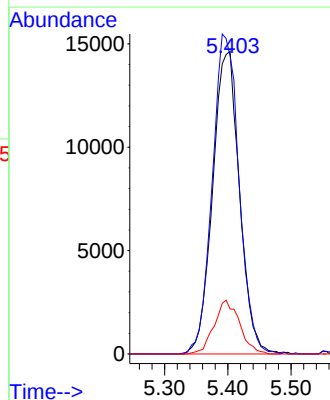
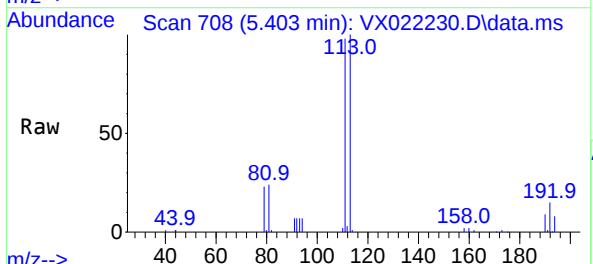
#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX022230.D  
Acq: 27 May 2021 14:19

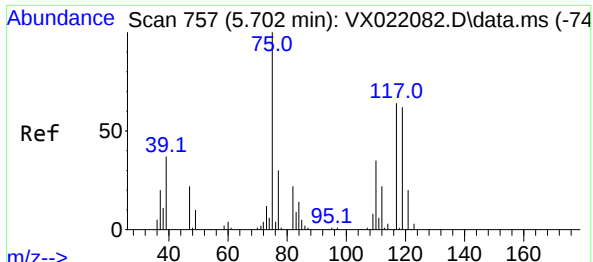
Tgt Ion:114 Resp: 144464  
Ion Ratio Lower Upper  
114 100  
63 20.1 0.0 40.8  
88 17.9 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 47.03 ug/l  
RT: 5.403 min Scan# 708  
Delta R.T. 0.012 min  
Lab File: VX022230.D  
Acq: 27 May 2021 14:19

Tgt Ion:113 Resp: 43085  
Ion Ratio Lower Upper  
113 100  
111 105.2 81.9 122.9  
192 16.9 16.7 25.1

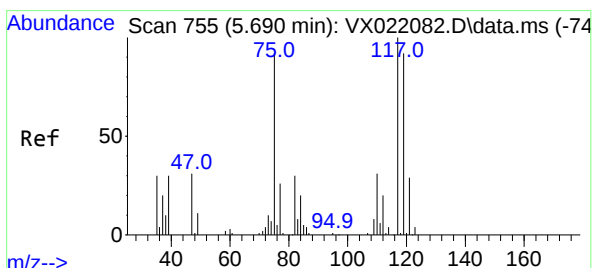
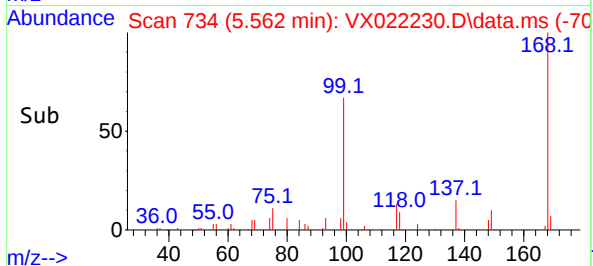
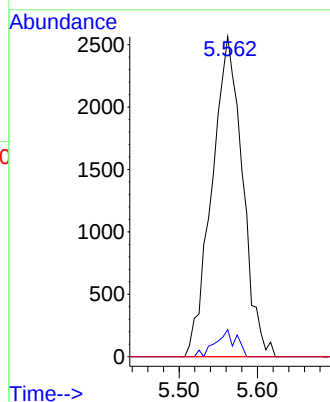
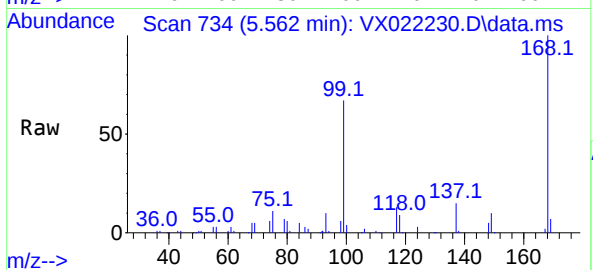




#36  
1,1-Dichloropropene  
Concen: 5.21 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.140 min  
Lab File: VX022230.D  
Acq: 27 May 2021 14:19

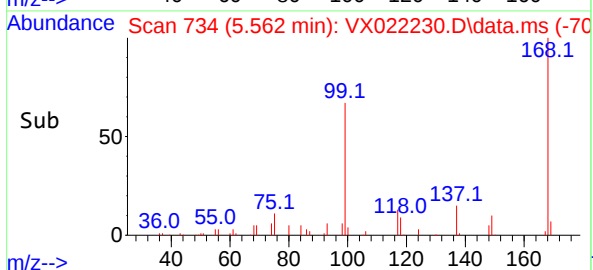
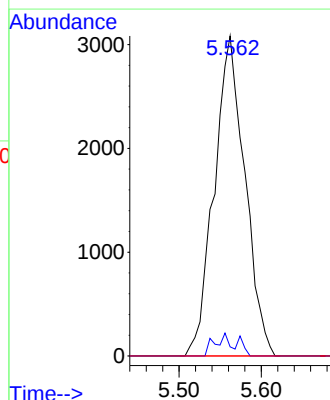
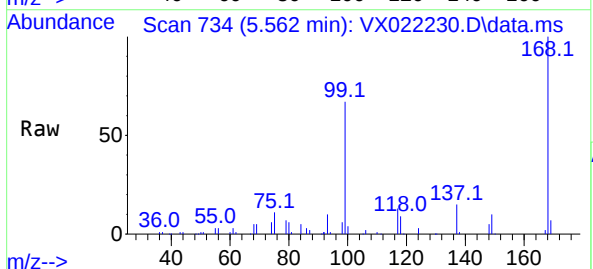
Instrument :  
MSVOA\_X  
ClientSampleId :

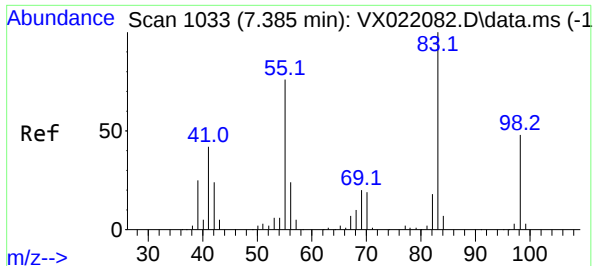
Tgt Ion: 75 Resp: 6964  
Ion Ratio Lower Upper  
75 100  
110 5.7 18.1 54.4#  
77 0.0 25.3 37.9#



#38  
Carbon Tetrachloride  
Concen: 6.13 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.128 min  
Lab File: VX022230.D  
Acq: 27 May 2021 14:19

Tgt Ion: 117 Resp: 8006  
Ion Ratio Lower Upper  
117 100  
119 2.9 76.2 114.2#  
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 0.25 ug/l

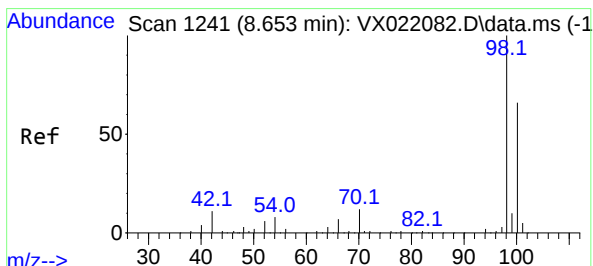
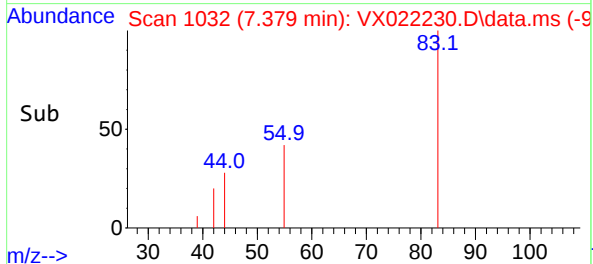
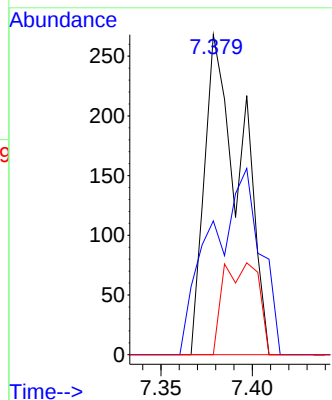
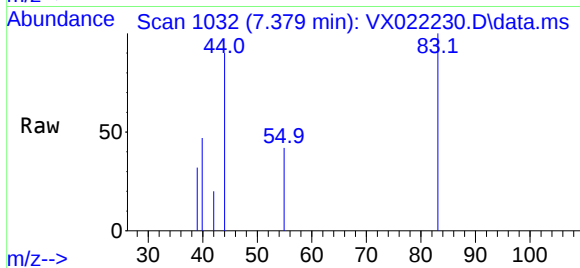
RT: 7.379 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VX022230.D

Acq: 27 May 2021 14:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 374   |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 41.8  | 58.9  | 88.3# |
| 98       | 0.0   | 38.1  | 57.1# |



#50

Toluene-d8

Concen: 50.13 ug/l

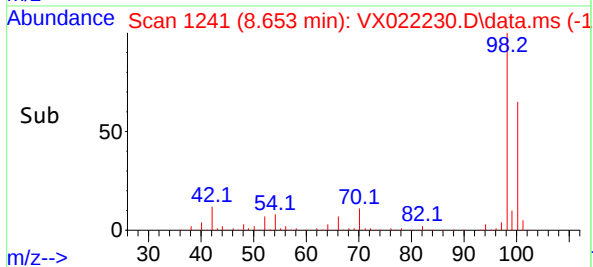
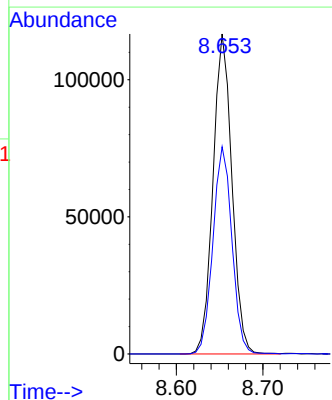
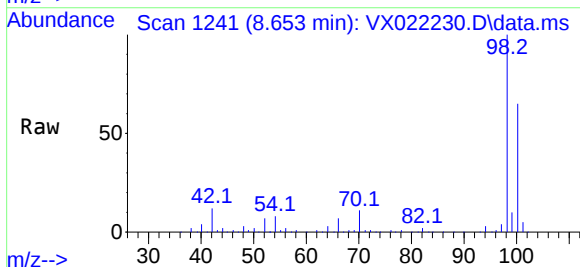
RT: 8.653 min Scan# 1241

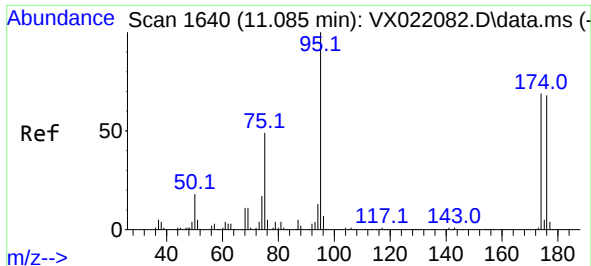
Delta R.T. -0.000 min

Lab File: VX022230.D

Acq: 27 May 2021 14:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 176922 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 65.0  | 51.9  | 77.9   |

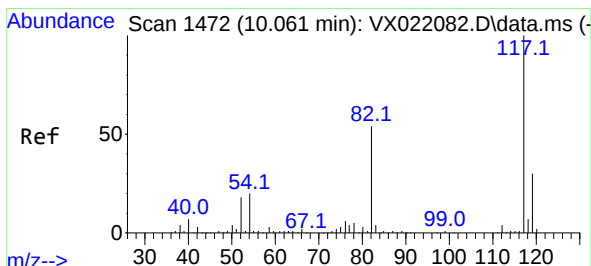
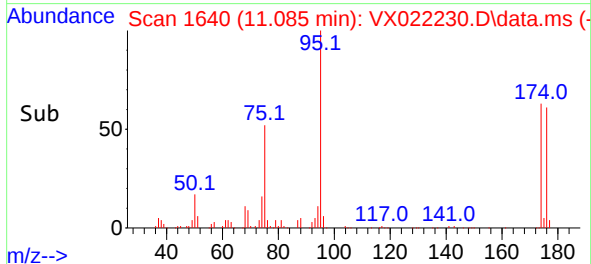
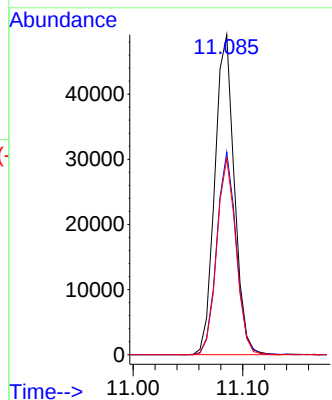
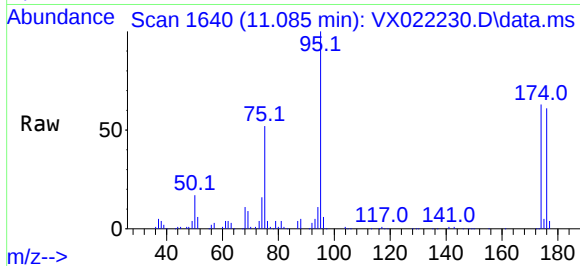




#62  
4-Bromofluorobenzene  
Concen: 46.61 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX022230.D  
Acq: 27 May 2021 14:19

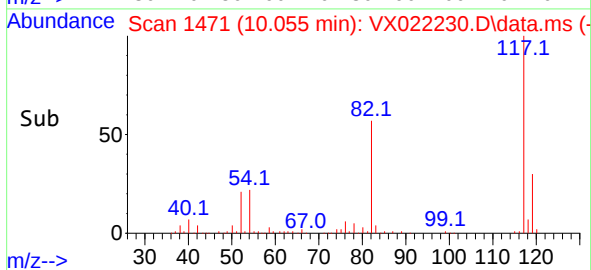
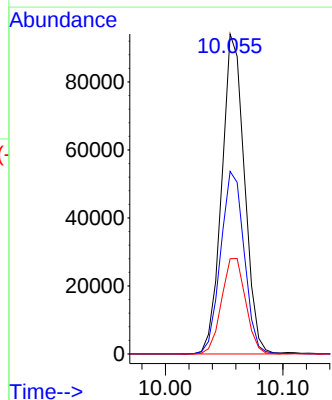
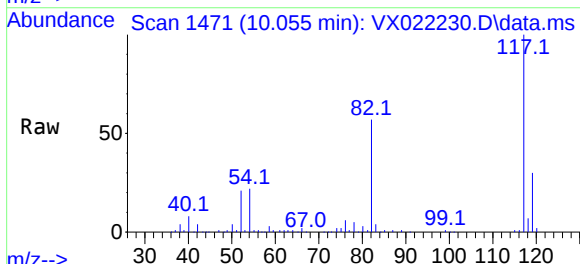
Instrument :  
MSVOA\_X  
ClientSampled :

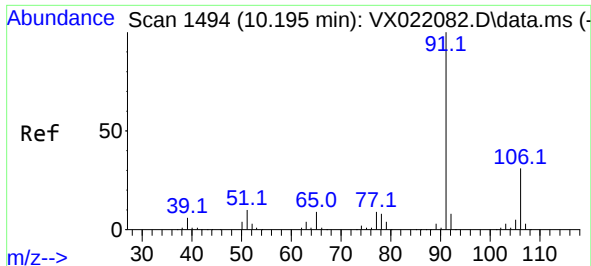
Tgt Ion: 95 Resp: 60794  
Ion Ratio Lower Upper  
95 100  
174 63.1 0.0 154.6  
176 60.6 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VX022230.D  
Acq: 27 May 2021 14:19

Tgt Ion: 117 Resp: 126157  
Ion Ratio Lower Upper  
117 100  
82 57.1 47.4 71.2  
119 29.8 26.6 39.8

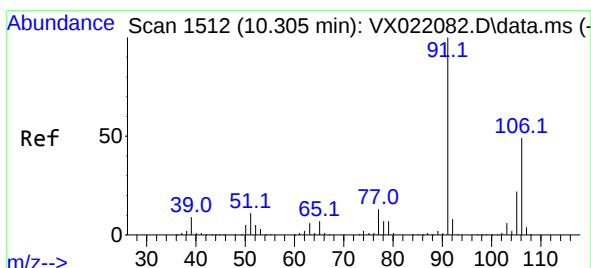
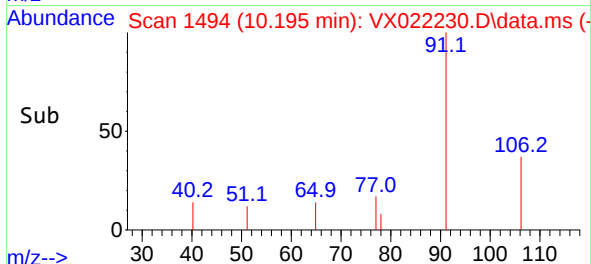
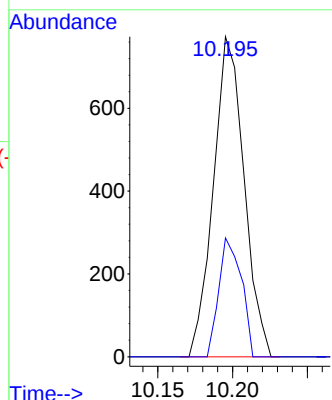
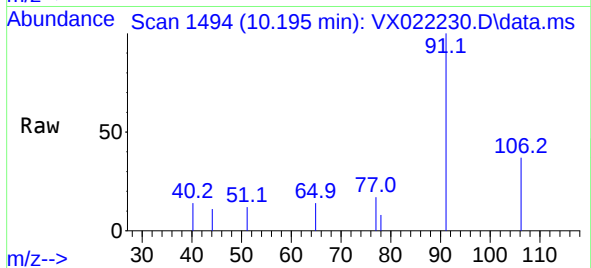




#67  
Ethyl Benzene  
Concen: 0.23 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX022230.D  
Acq: 27 May 2021 14:19

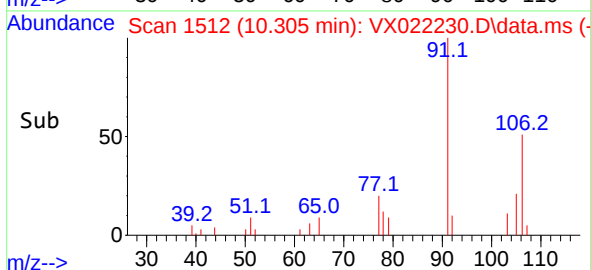
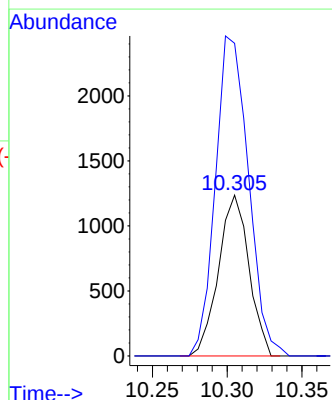
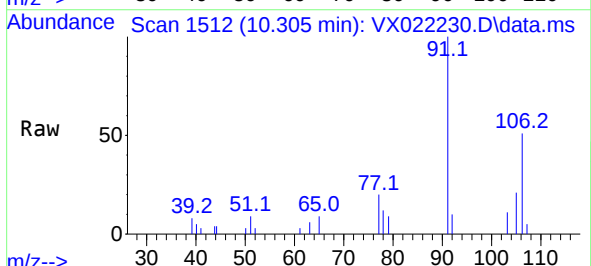
Instrument :  
MSVOA\_X  
ClientSampled :

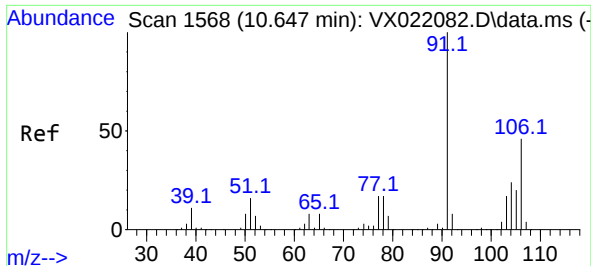
Tgt Ion: 91 Resp: 1102  
Ion Ratio Lower Upper  
91 100  
106 37.1 24.6 37.0#



#68  
m/p-Xylenes  
Concen: 0.96 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. -0.000 min  
Lab File: VX022230.D  
Acq: 27 May 2021 14:19

Tgt Ion: 106 Resp: 1751  
Ion Ratio Lower Upper  
106 100  
91 215.7 162.8 244.2

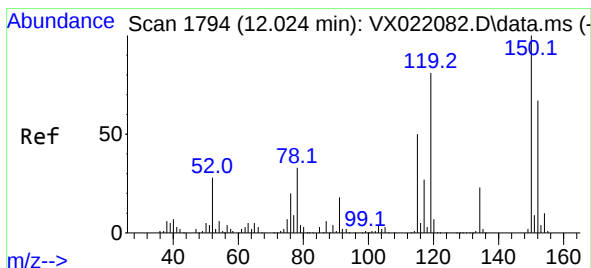
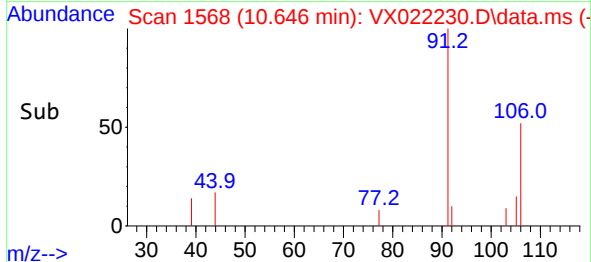
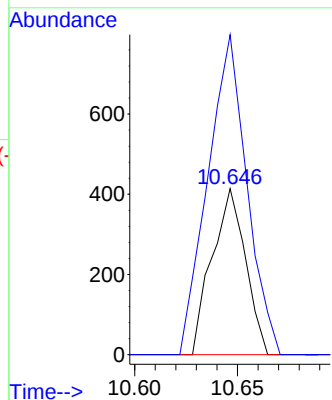
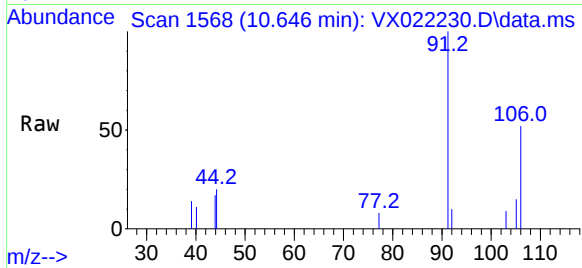




#69  
o-Xylene  
Concen: 0.26 ug/l  
RT: 10.646 min Scan# 1568  
Delta R.T. -0.001 min  
Lab File: VX022230.D  
Acq: 27 May 2021 14:19

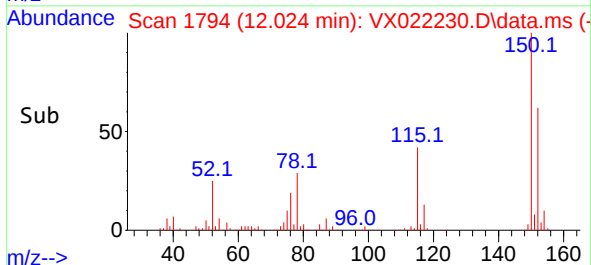
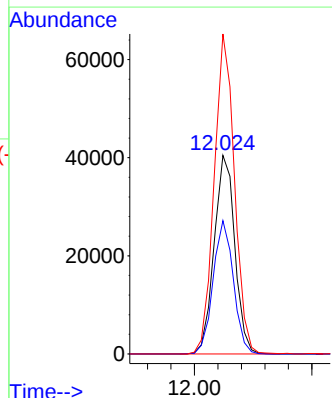
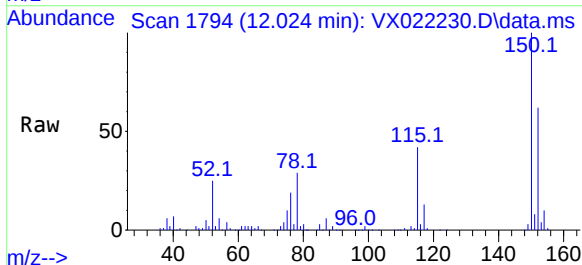
Instrument :  
MSVOA\_X  
ClientSampled :

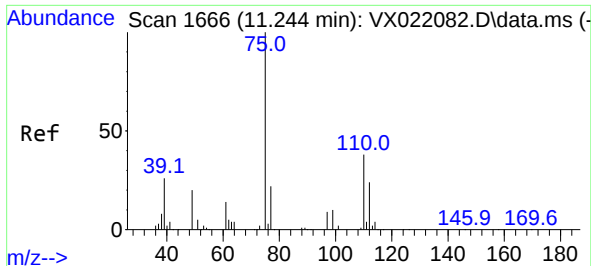
Tgt Ion:106 Resp: 468  
Ion Ratio Lower Upper  
106 100  
91 225.2 108.1 324.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX022230.D  
Acq: 27 May 2021 14:19

Tgt Ion:152 Resp: 49519  
Ion Ratio Lower Upper  
152 100  
115 65.8 41.1 123.3  
150 158.1 0.0 349.0

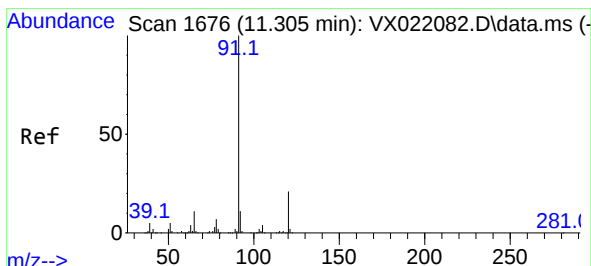
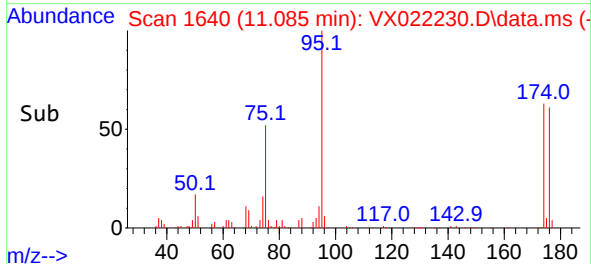
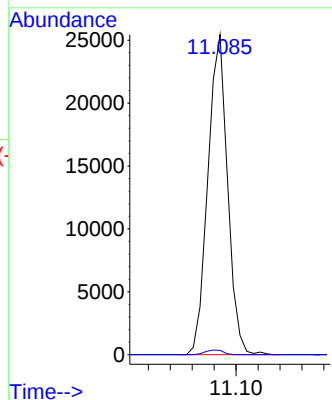
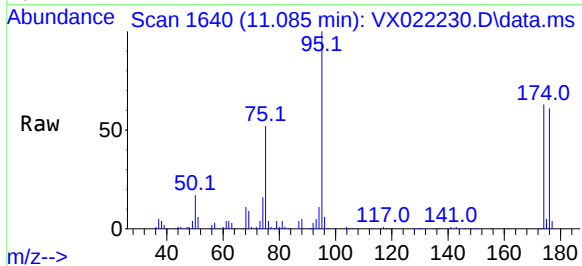




#76  
1,2,3-Trichloropropane  
Concen: 25.95 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX022230.D  
Acq: 27 May 2021 14:19

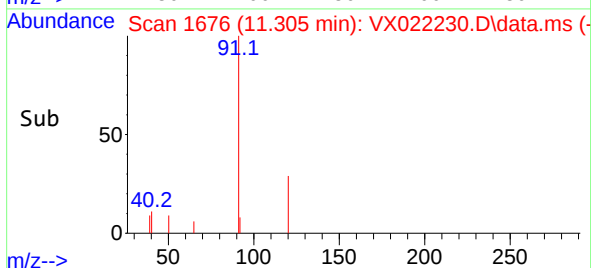
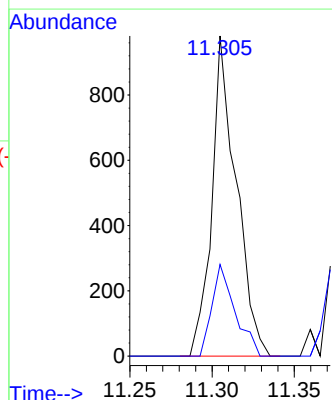
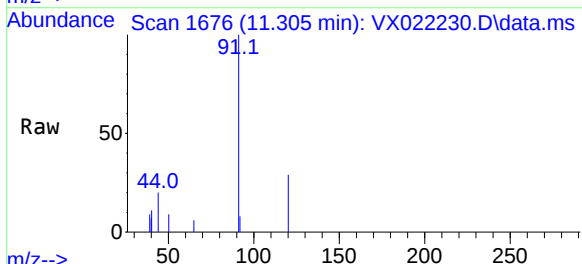
Instrument :  
MSVOA\_X  
ClientSampled :

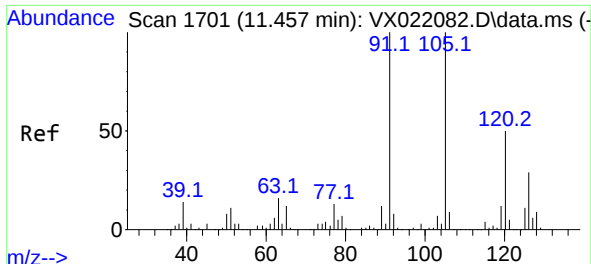
Tgt Ion: 75 Resp: 31706  
Ion Ratio Lower Upper  
75 100  
77 1.3 19.1 57.5#



#78  
n-propylbenzene  
Concen: 0.21 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: VX022230.D  
Acq: 27 May 2021 14:19

Tgt Ion: 91 Resp: 1012  
Ion Ratio Lower Upper  
91 100  
120 27.0 11.5 34.5

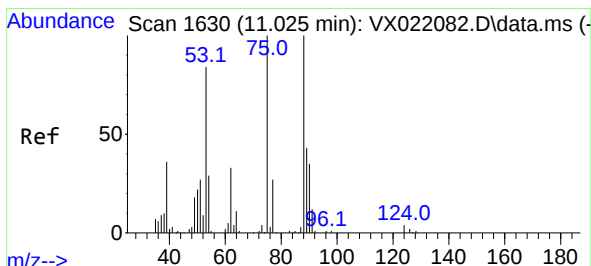
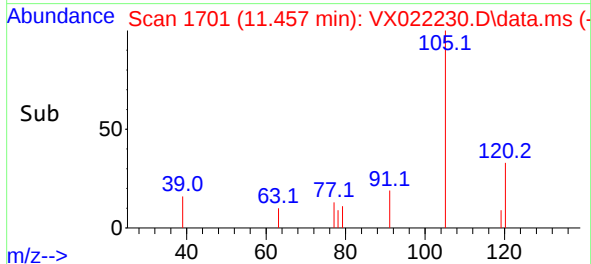
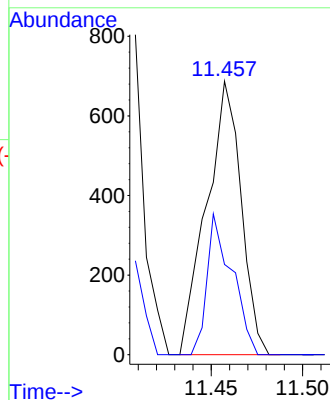
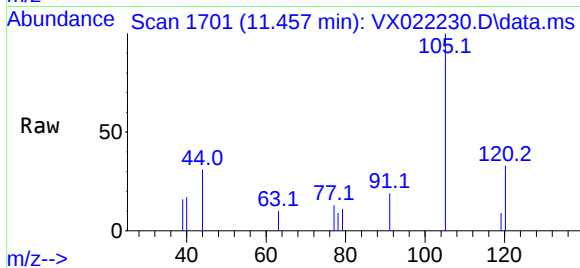




#80  
1,3,5-Trimethylbenzene  
Concen: 0.26 ug/l  
RT: 11.457 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VX022230.D  
Acq: 27 May 2021 14:19

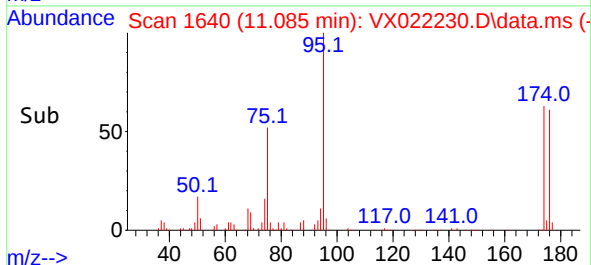
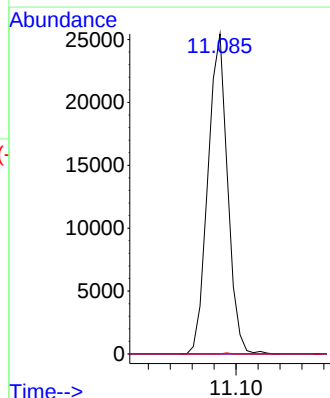
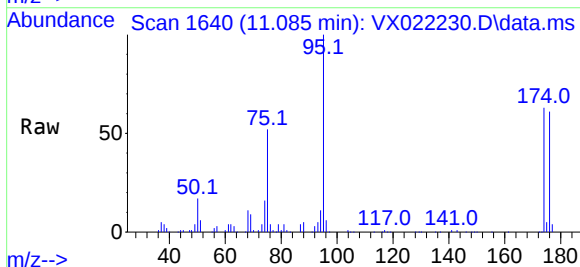
Instrument :  
MSVOA\_X  
ClientSampled :

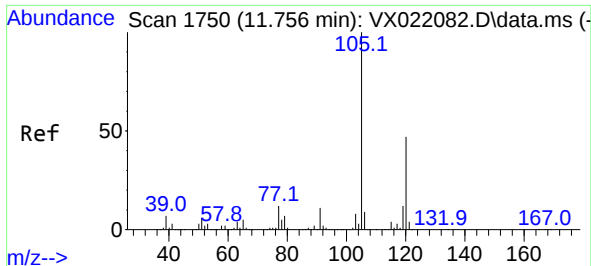
Tgt Ion:105 Resp: 905  
Ion Ratio Lower Upper  
105 100  
120 37.1 23.8 71.5



#81  
trans-1,4-Dichloro-2-butene  
Concen: 61.49 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.060 min  
Lab File: VX022230.D  
Acq: 27 May 2021 14:19

Tgt Ion: 75 Resp: 31706  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.1 37.9 56.9#

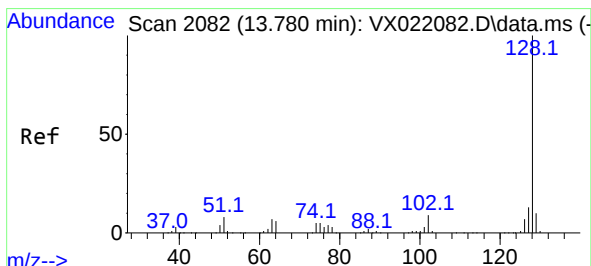
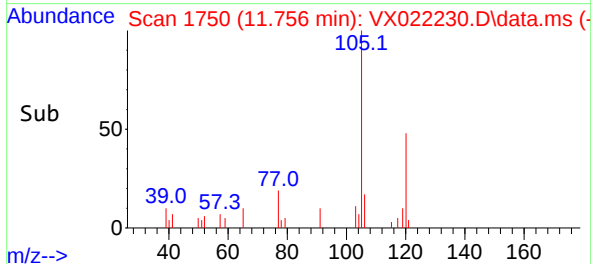
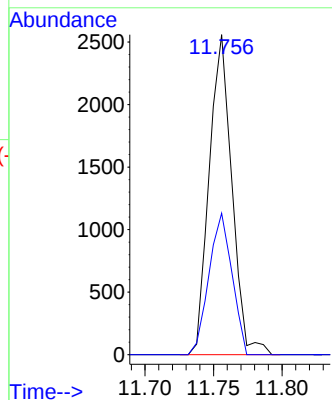
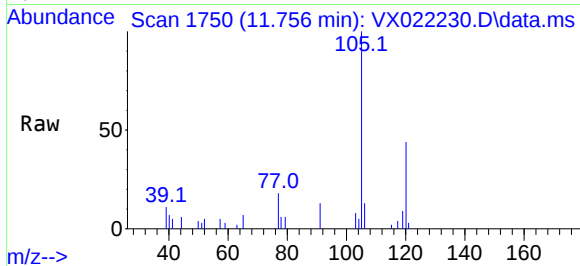




#84  
1,2,4-Trimethylbenzene  
Concen: 0.84 ug/l  
RT: 11.756 min Scan# 1750  
Delta R.T. -0.000 min  
Lab File: VX022230.D  
Acq: 27 May 2021 14:19

Instrument :  
MSVOA\_X  
ClientSampled :

Tgt Ion:105 Resp: 2947  
Ion Ratio Lower Upper  
105 100  
120 44.9 22.4 67.3



#95  
Naphthalene  
Concen: 0.23 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: VX022230.D  
Acq: 27 May 2021 14:19

Tgt Ion:128 Resp: 874  
Ion Ratio Lower Upper  
128 100  
127 13.7 10.3 15.5  
129 0.0 8.8 13.2#

