

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070324\  
 Data File : VX042160.D  
 Acq On : 03 Jul 2024 13:38  
 Operator : JC/MD  
 Sample : P3106-04  
 Misc : 5.05g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FILTER-1

Quant Time: Jul 04 07:24:17 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061824W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 21 23:51:58 2024  
 Response via : Initial Calibration

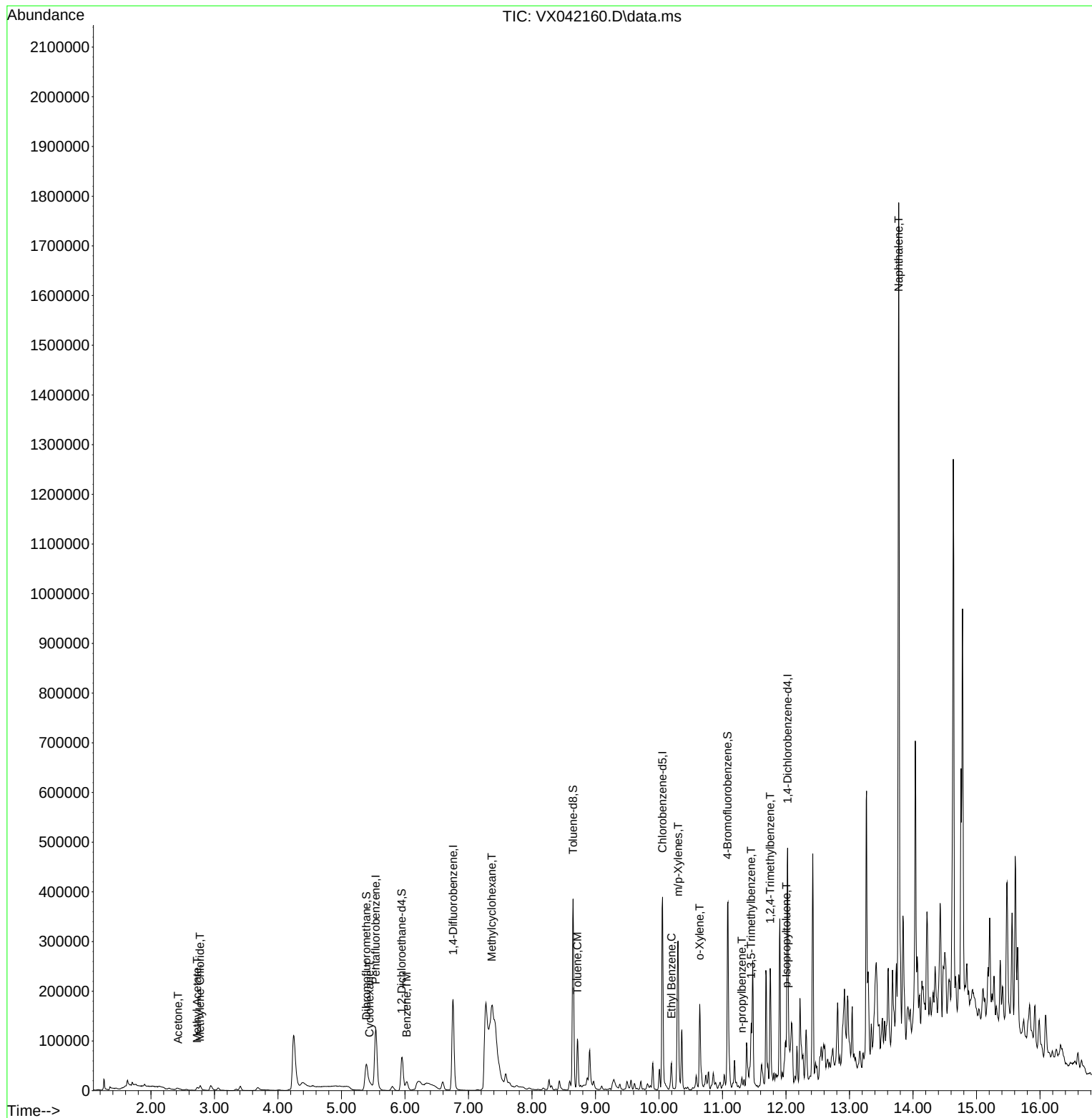
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.538  | 168   | 137980   | 50.000   | ug/l   | #-0.01   |
| 34) 1,4-Difluorobenzene     | 6.757  | 114   | 208714   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 203145   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 109125   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.946  | 65    | 66591    | 41.853   | ug/l   | -0.01    |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 83.700%  |
| 35) Dibromofluoromethane    | 5.391  | 113   | 58178    | 39.285   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 78.560%  |
| 50) Toluene-d8              | 8.647  | 98    | 237021   | 45.558   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 91.120%# |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 93477    | 48.742   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 97.480%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 2.429  | 43    | 3916     | 5.605    | ug/l # | 88       |
| 18) Methyl Acetate          | 2.727  | 43    | 7961     | 4.177    | ug/l   | 95       |
| 20) Methylene Chloride      | 2.770  | 84    | 1943     | 1.270    | ug/l   | 83       |
| 31) Cyclohexane             | 5.440  | 56    | 6925     | 3.722    | ug/l   | 95       |
| 39) Methylcyclohexane       | 7.367  | 83    | 17754    | 8.927    | ug/l   | 96       |
| 40) Benzene                 | 6.025  | 78    | 23331    | 4.399    | ug/l   | 98       |
| 52) Toluene                 | 8.714  | 92    | 42451    | 12.569   | ug/l   | 99       |
| 67) Ethyl Benzene           | 10.195 | 91    | 27381    | 4.135    | ug/l   | 100      |
| 68) m/p-Xylenes             | 10.299 | 106   | 65161    | 24.380   | ug/l   | 92       |
| 69) o-Xylene                | 10.640 | 106   | 38886    | 14.695   | ug/l   | 89       |
| 78) n-propylbenzene         | 11.305 | 91    | 11925    | 1.656    | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene  | 11.451 | 105   | 54703    | 9.898    | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene  | 11.750 | 105   | 105028   | 18.942   | ug/l   | 92       |
| 86) p-Isopropyltoluene      | 12.006 | 119   | 7186     | 1.199    | ug/l   | 91       |
| 95) Naphthalene             | 13.774 | 128   | 990792   | 125.492  | ug/l   | 99       |
| -----                       |        |       |          |          |        |          |

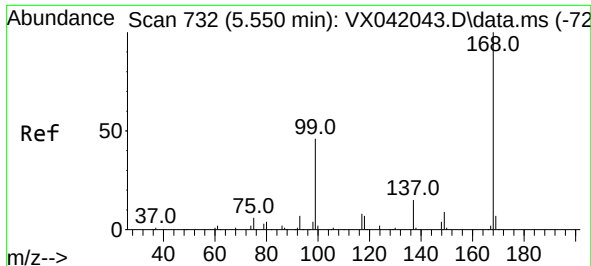
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070324\  
Data File : VX042160.D  
Acq On : 03 Jul 2024 13:38  
Operator : JC/MD  
Sample : P3106-04  
Misc : 5.05g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FILTER-1

Quant Time: Jul 04 07:24:17 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061824W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 21 23:51:58 2024  
Response via : Initial Calibration

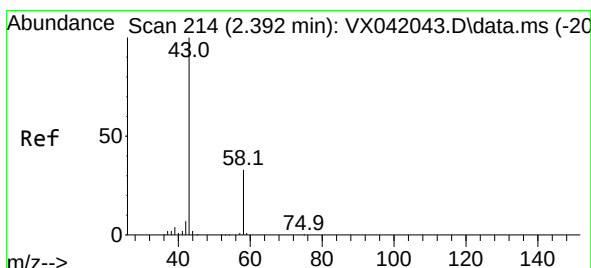
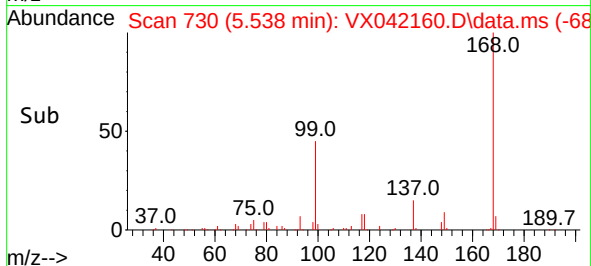
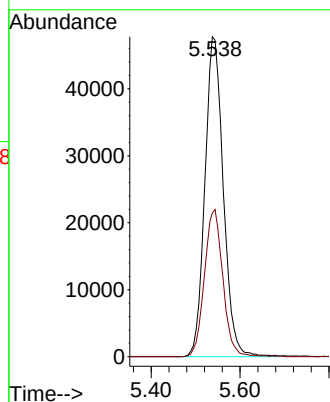
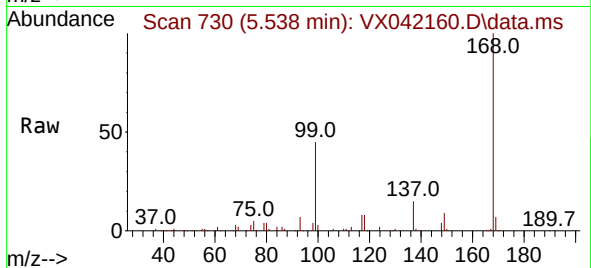




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.538 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: VX042160.D  
Acq: 03 Jul 2024 13:38

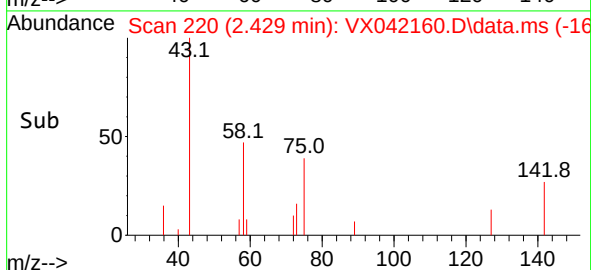
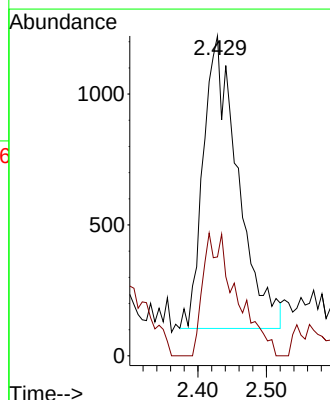
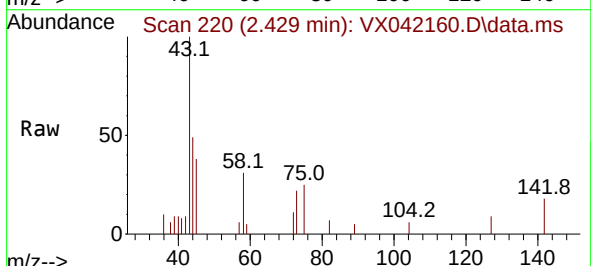
Instrument :  
MSVOA\_X  
ClientSampleId :  
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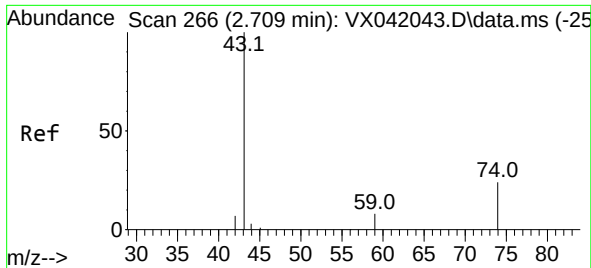
Tgt Ion:168 Resp: 137980  
Ion Ratio Lower Upper  
168 100  
99 45.0 56.6 85.0#



#16  
Acetone  
Concen: 5.605 ug/l  
RT: 2.429 min Scan# 220  
Delta R.T. 0.031 min  
Lab File: VX042160.D  
Acq: 03 Jul 2024 13:38

Tgt Ion: 43 Resp: 3916  
Ion Ratio Lower Upper  
43 100  
58 33.8 21.9 32.9#

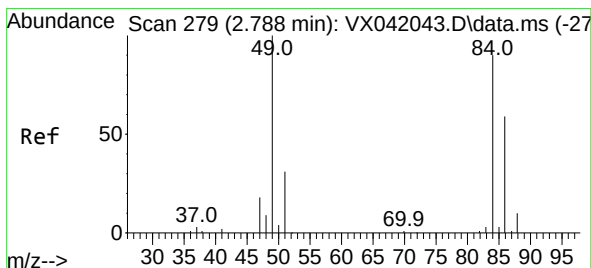
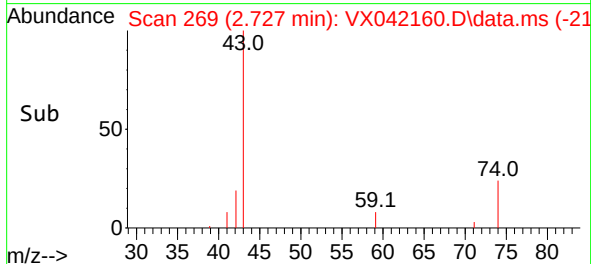
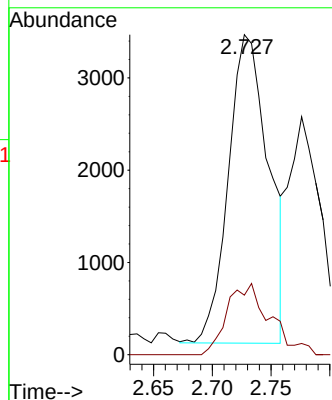
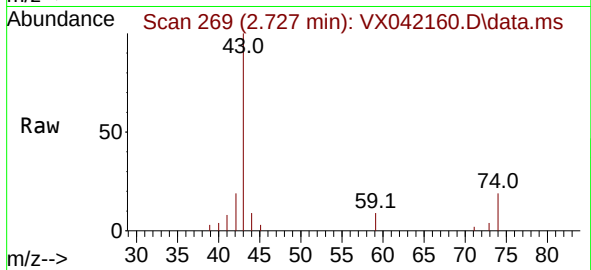




#18  
Methyl Acetate  
Concen: 4.177 ug/l  
RT: 2.727 min Scan# 20  
Delta R.T. 0.019 min  
Lab File: VX042160.D  
Acq: 03 Jul 2024 13:38

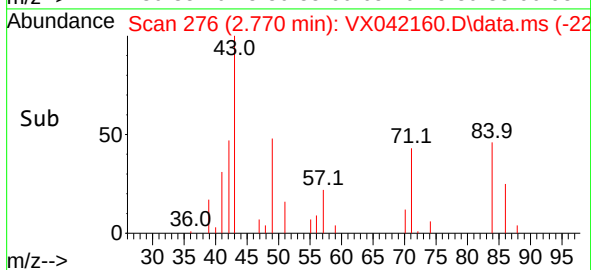
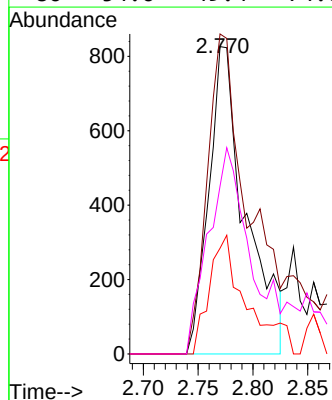
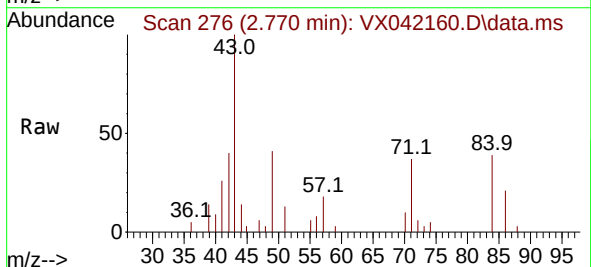
Instrument :  
MSVOA\_X  
ClientSampleId :  
FILTER-1

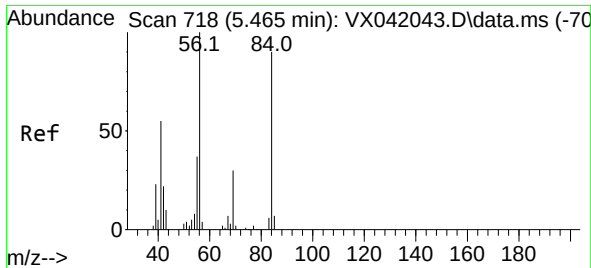
Tgt Ion: 43 Resp: 7961  
Ion Ratio Lower Upper  
43 100  
74 24.6 17.8 26.8



#20  
Methylene Chloride  
Concen: 1.270 ug/l  
RT: 2.770 min Scan# 276  
Delta R.T. -0.012 min  
Lab File: VX042160.D  
Acq: 03 Jul 2024 13:38

Tgt Ion: 84 Resp: 1943  
Ion Ratio Lower Upper  
84 100  
49 104.1 103.6 155.4  
51 34.4 33.8 50.6  
86 54.6 49.4 74.0

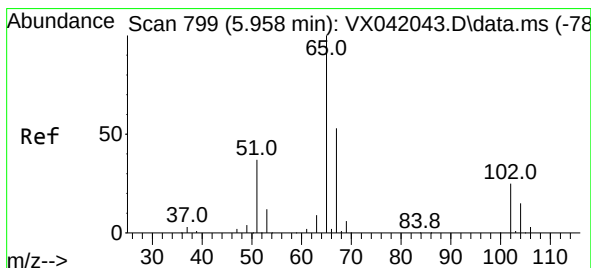
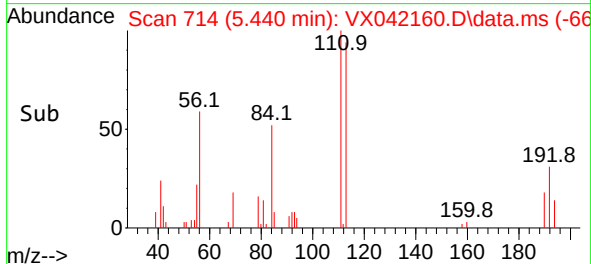
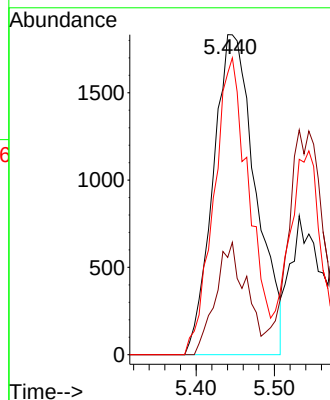
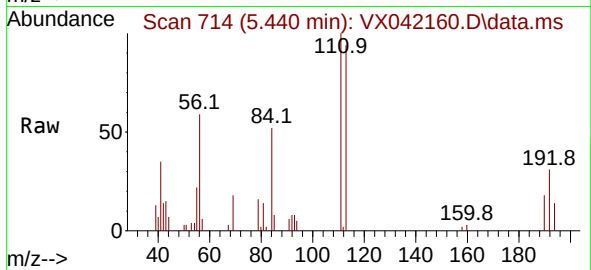




#31  
Cyclohexane  
Concen: 3.722 ug/l  
RT: 5.440 min Scan# 714  
Delta R.T. -0.024 min  
Lab File: VX042160.D  
Acq: 03 Jul 2024 13:38

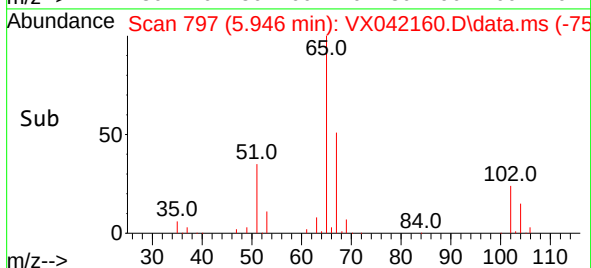
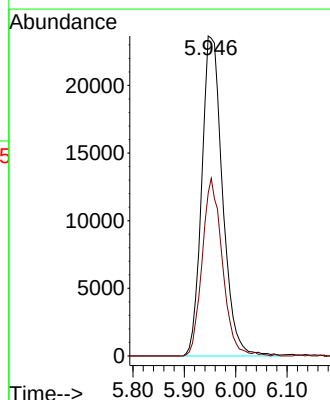
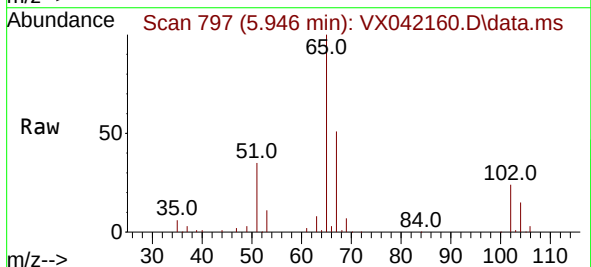
Instrument :  
MSVOA\_X  
ClientSampleId :  
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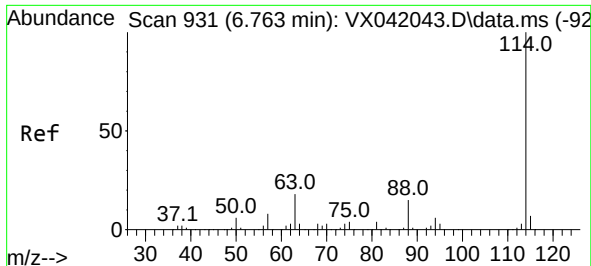
|             |             |
|-------------|-------------|
| Tgt Ion: 56 | Resp: 6925  |
| Ion Ratio   | Lower Upper |
| 56 100      |             |
| 69 30.4     | 23.4 35.2   |
| 84 87.9     | 65.9 98.9   |



#33  
1,2-Dichloroethane-d4  
Concen: 41.853 ug/l  
RT: 5.946 min Scan# 797  
Delta R.T. -0.012 min  
Lab File: VX042160.D  
Acq: 03 Jul 2024 13:38

|             |             |
|-------------|-------------|
| Tgt Ion: 65 | Resp: 66591 |
| Ion Ratio   | Lower Upper |
| 65 100      |             |
| 67 53.7     | 0.0 100.2   |

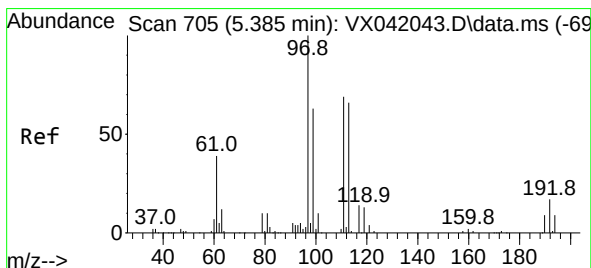
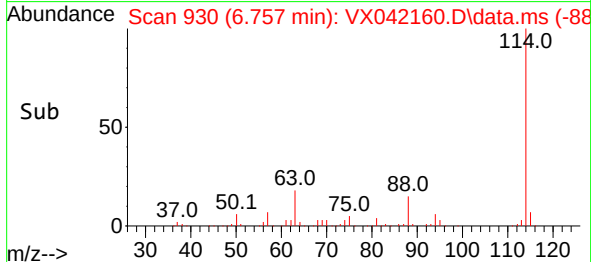
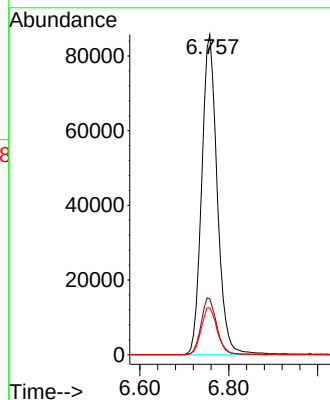
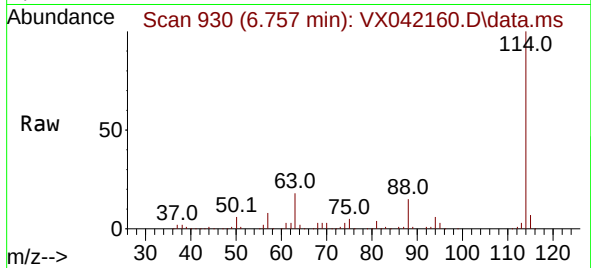




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VX042160.D  
Acq: 03 Jul 2024 13:38

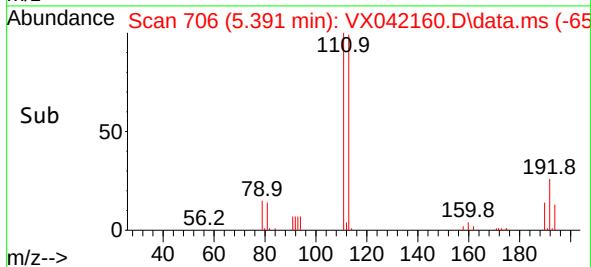
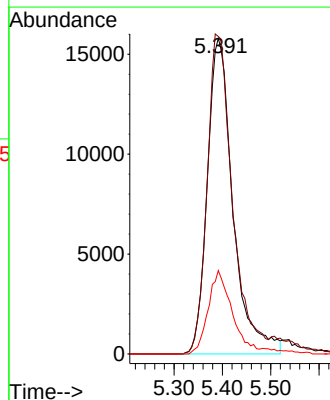
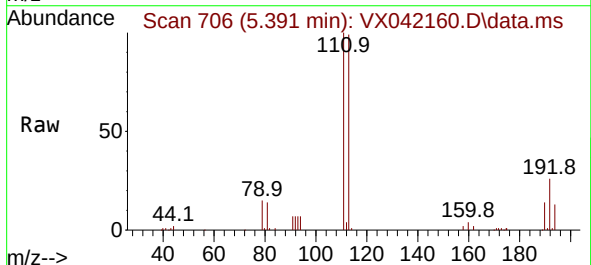
Instrument :  
MSVOA\_X  
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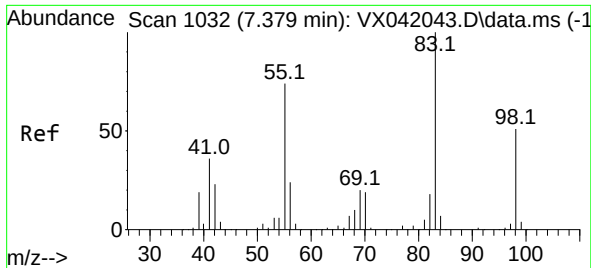
Tgt Ion:114 Resp: 208714  
Ion Ratio Lower Upper  
114 100  
63 17.5 0.0 45.0  
88 14.6 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 39.285 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX042160.D  
Acq: 03 Jul 2024 13:38

Tgt Ion:113 Resp: 58178  
Ion Ratio Lower Upper  
113 100  
111 100.0 82.9 124.3  
192 24.6 13.3 19.9#

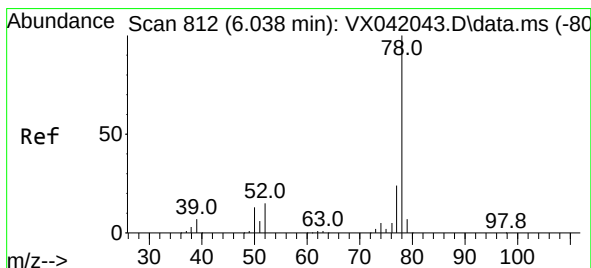
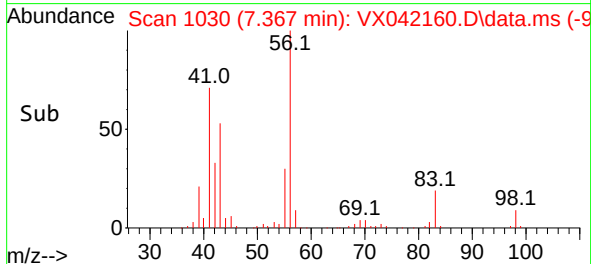
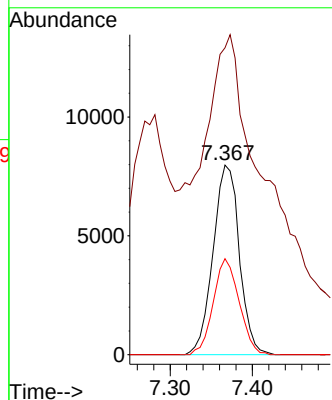
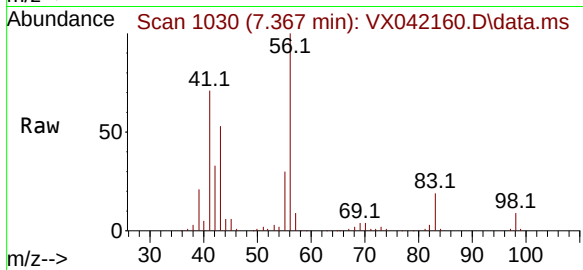




#39  
Methylcyclohexane  
Concen: 8.927 ug/l  
RT: 7.367 min Scan# 1030  
Delta R.T. -0.012 min  
Lab File: VX042160.D  
Acq: 03 Jul 2024 13:38

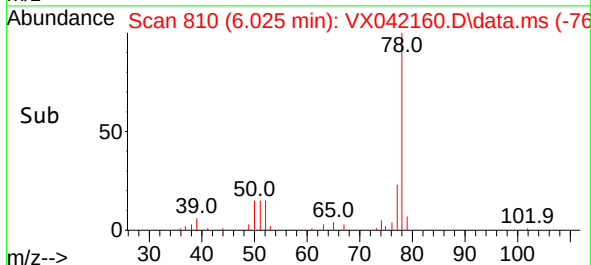
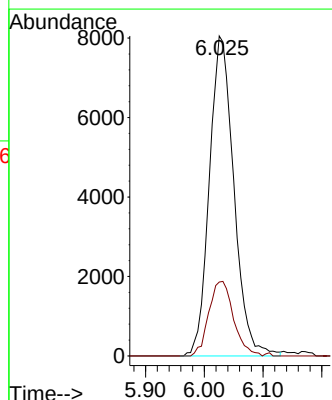
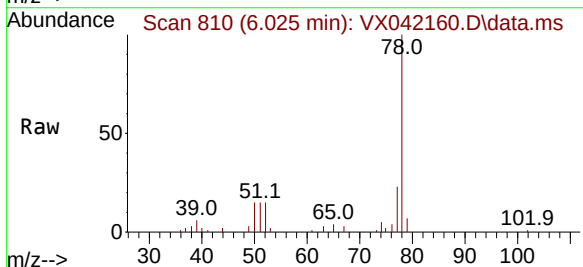
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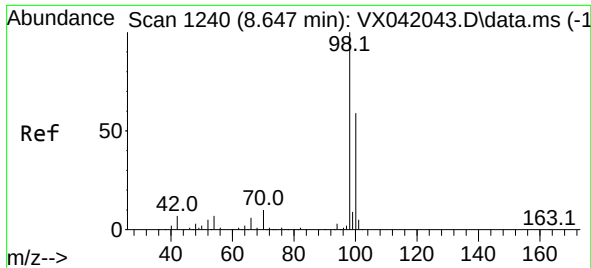
Tgt Ion: 83 Resp: 17754  
Ion Ratio Lower Upper  
83 100  
55 83.5 64.6 97.0  
98 50.6 36.7 55.1



#40  
Benzene  
Concen: 4.399 ug/l  
RT: 6.025 min Scan# 810  
Delta R.T. -0.012 min  
Lab File: VX042160.D  
Acq: 03 Jul 2024 13:38

Tgt Ion: 78 Resp: 23331  
Ion Ratio Lower Upper  
78 100  
77 23.1 19.3 28.9

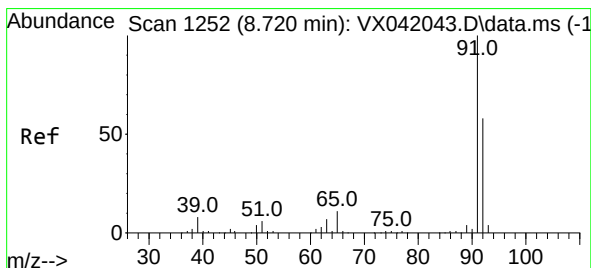
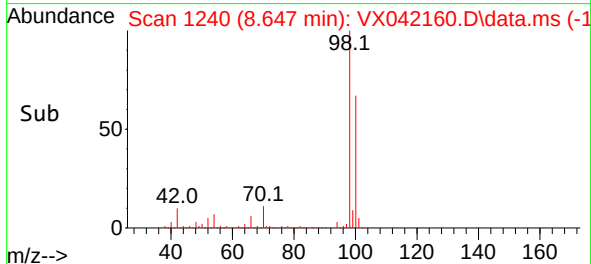
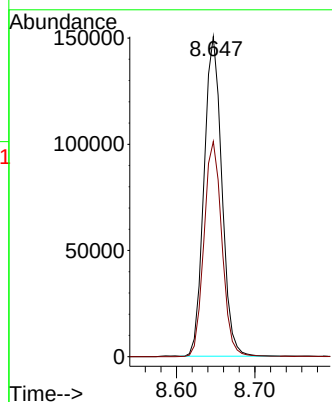
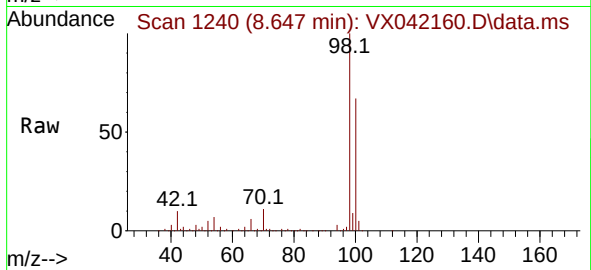




#50  
Toluene-d8  
Concen: 45.558 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX042160.D  
Acq: 03 Jul 2024 13:38

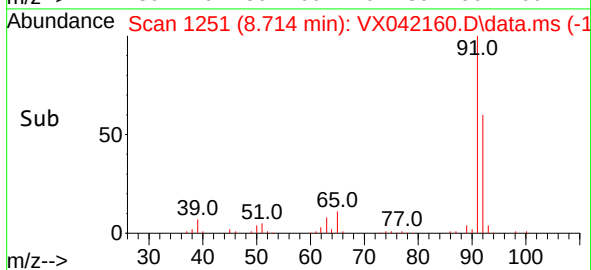
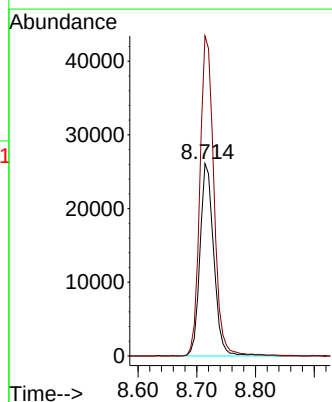
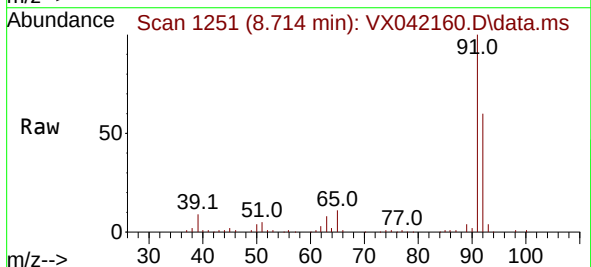
Instrument :  
MSVOA\_X  
ClientSampleId :  
FILTER-1

Tgt Ion: 98 Resp: 237021  
Ion Ratio Lower Upper  
98 100  
100 67.9 53.1 79.7

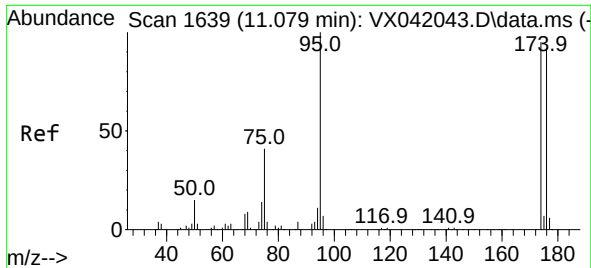


#52  
Toluene  
Concen: 12.569 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.006 min  
Lab File: VX042160.D  
Acq: 03 Jul 2024 13:38

Tgt Ion: 92 Resp: 42451  
Ion Ratio Lower Upper  
92 100  
91 169.5 134.2 201.2



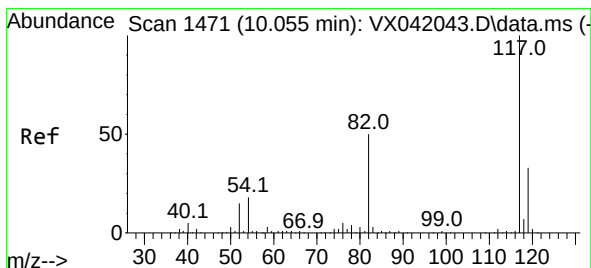
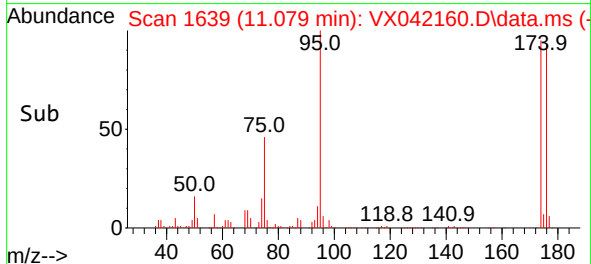
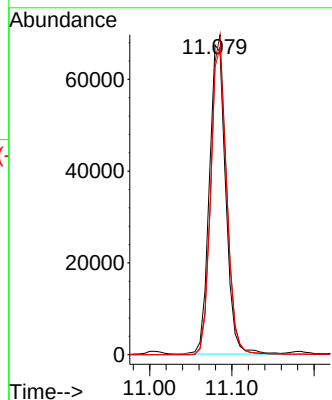
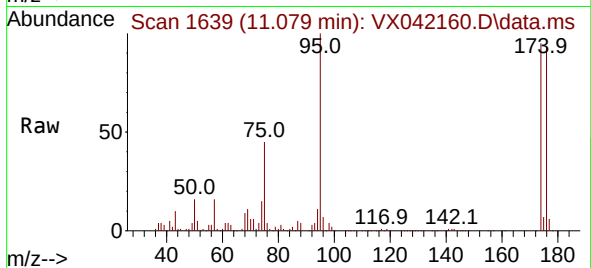




#62  
4-Bromofluorobenzene  
Concen: 48.742 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX042160.D  
Acq: 03 Jul 2024 13:38

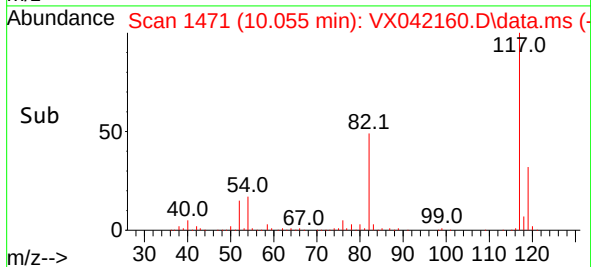
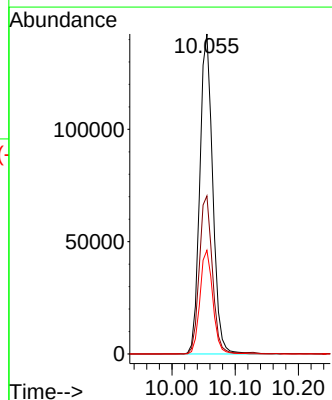
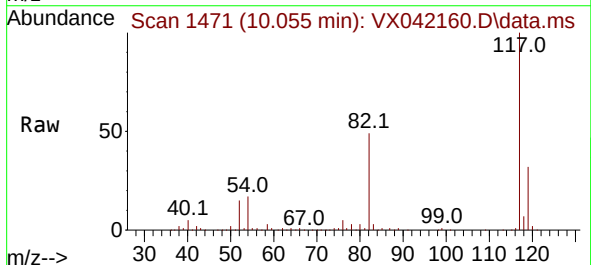
Instrument :  
MSVOA\_X  
ClientSampleId :  
FILTER-1

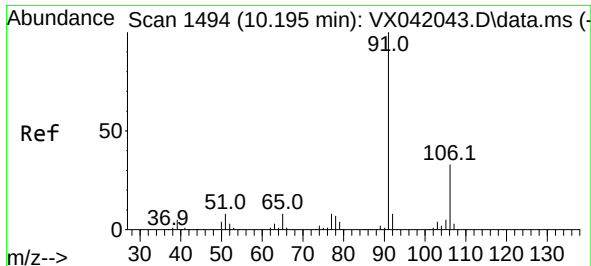
Tgt Ion: 95 Resp: 93477  
Ion Ratio Lower Upper  
95 100  
174 99.1 0.0 135.6  
176 96.5 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX042160.D  
Acq: 03 Jul 2024 13:38

Tgt Ion: 117 Resp: 203145  
Ion Ratio Lower Upper  
117 100  
82 49.3 46.2 69.4  
119 32.4 25.5 38.3

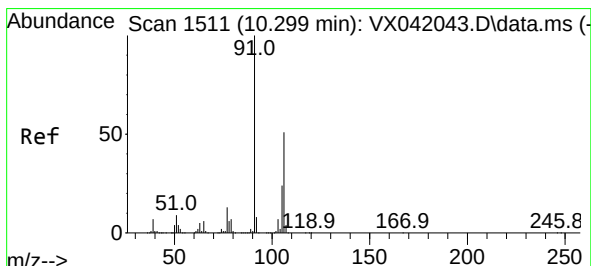
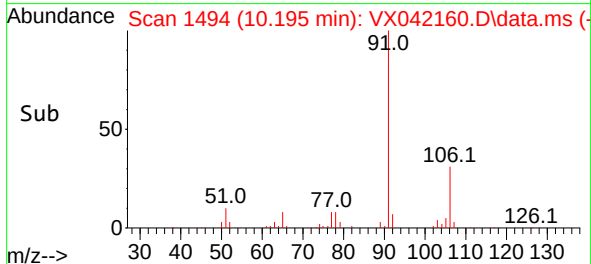
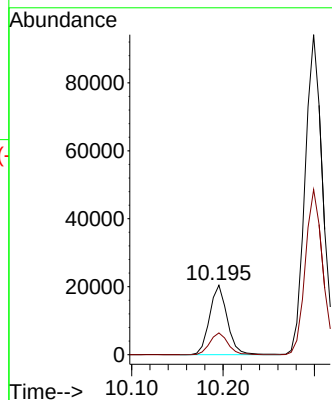
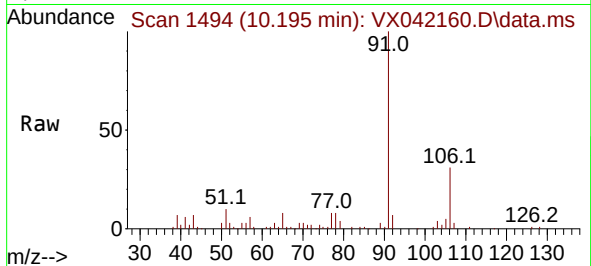




#67  
Ethyl Benzene  
Concen: 4.135 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX042160.D  
Acq: 03 Jul 2024 13:38

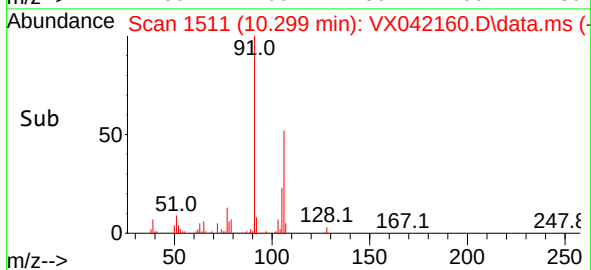
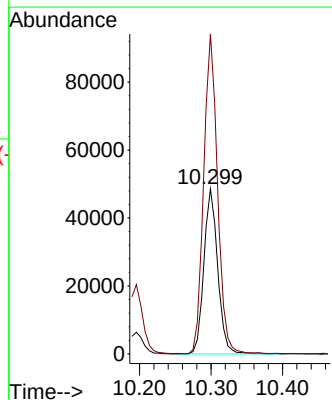
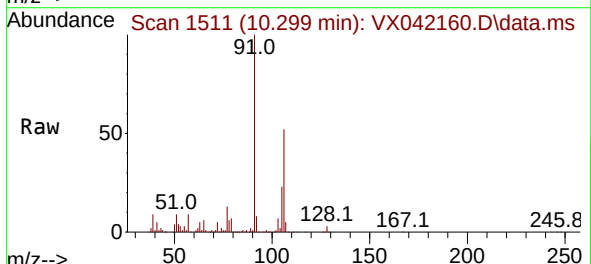
Instrument :  
MSVOA\_X  
ClientSampleId :  
FILTER-1

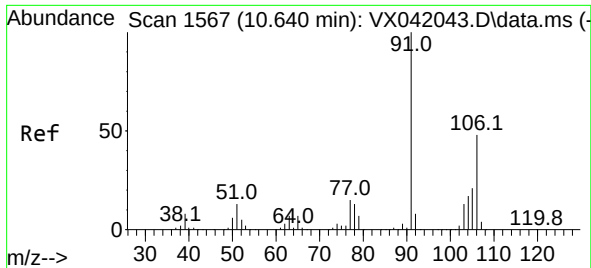
Tgt Ion: 91 Resp: 27381  
Ion Ratio Lower Upper  
91 100  
106 31.3 24.9 37.3



#68  
m/p-Xylenes  
Concen: 24.380 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VX042160.D  
Acq: 03 Jul 2024 13:38

Tgt Ion: 106 Resp: 65161  
Ion Ratio Lower Upper  
106 100  
91 194.2 165.5 248.3

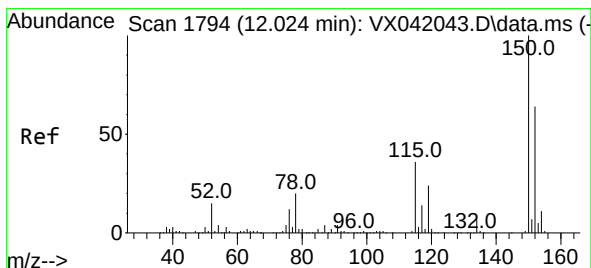
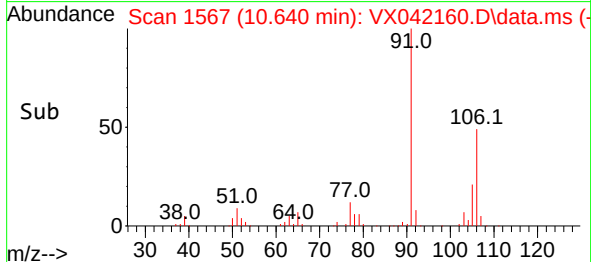
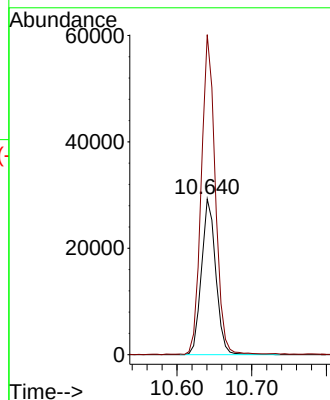
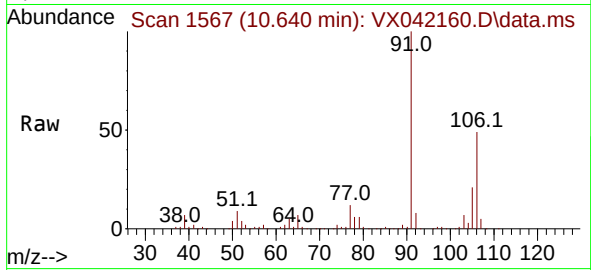




#69  
o-Xylene  
Concen: 14.695 ug/l  
RT: 10.640 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX042160.D  
Acq: 03 Jul 2024 13:38

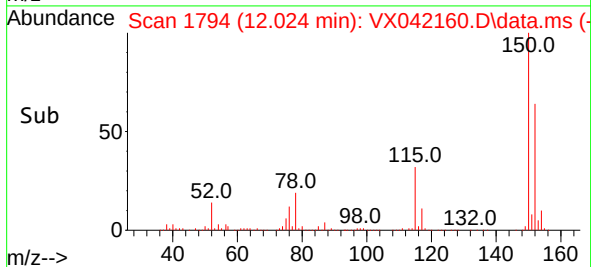
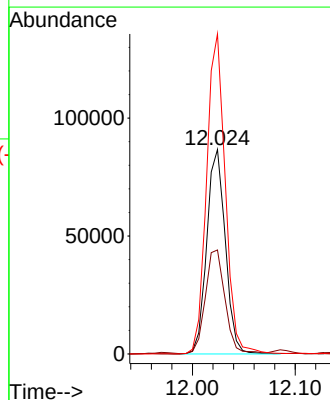
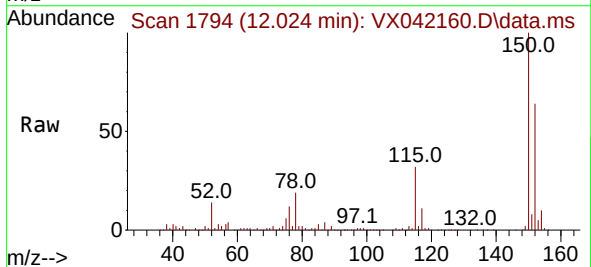
Instrument :  
MSVOA\_X  
ClientSampleId :  
FILTER-1

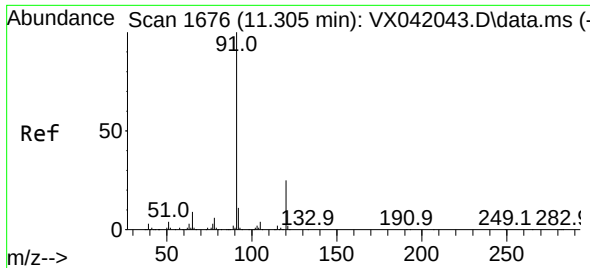
Tgt Ion:106 Resp: 38886  
Ion Ratio Lower Upper  
106 100  
91 199.7 108.9 326.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX042160.D  
Acq: 03 Jul 2024 13:38

Tgt Ion:152 Resp: 109125  
Ion Ratio Lower Upper  
152 100  
115 53.6 43.3 129.9  
150 157.1 0.0 345.0

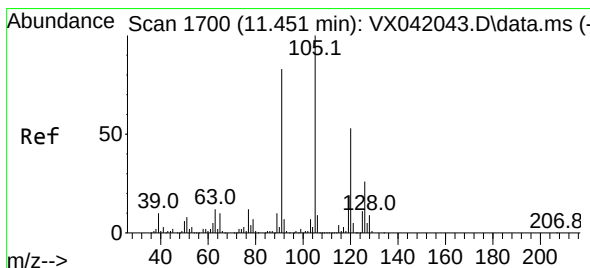
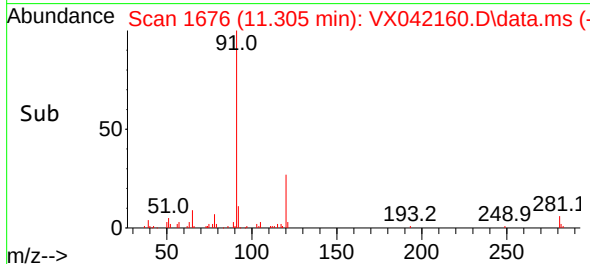
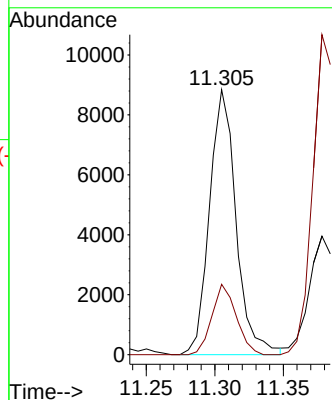
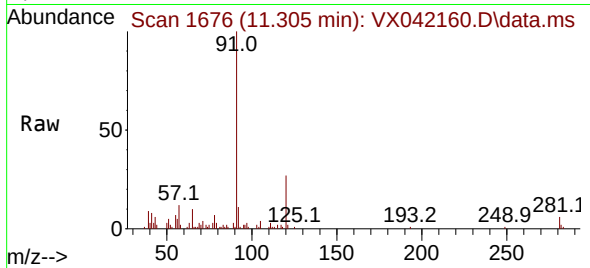




#78  
n-propylbenzene  
Concen: 1.656 ug/l  
RT: 11.305 min Scan# 11925  
Delta R.T. 0.000 min  
Lab File: VX042160.D  
Acq: 03 Jul 2024 13:38

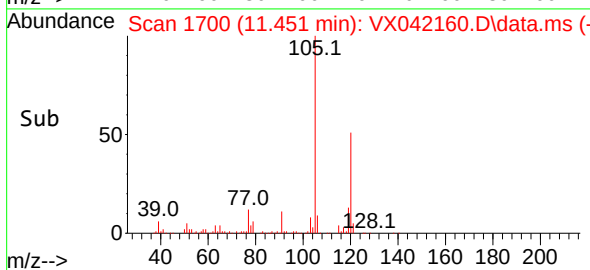
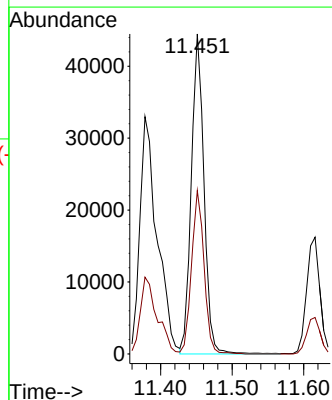
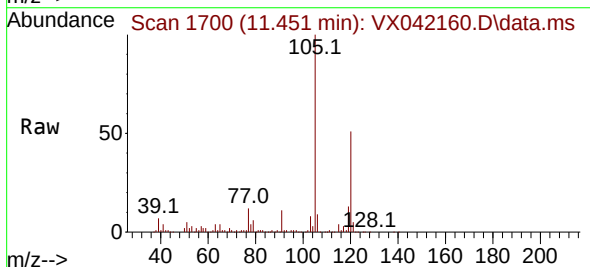
Instrument :  
MSVOA\_X  
ClientSampleId :  
FILTER-1

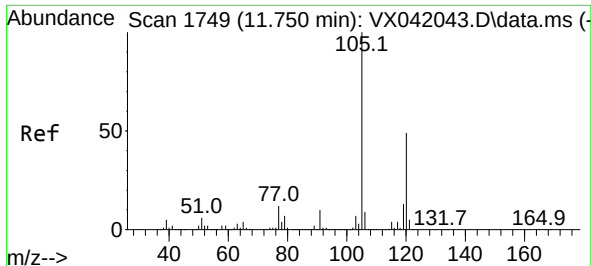
Tgt Ion: 91 Resp: 11925  
Ion Ratio Lower Upper  
91 100  
120 24.3 11.5 34.4



#80  
1,3,5-Trimethylbenzene  
Concen: 9.898 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX042160.D  
Acq: 03 Jul 2024 13:38

Tgt Ion: 105 Resp: 54703  
Ion Ratio Lower Upper  
105 100  
120 50.5 24.1 72.3

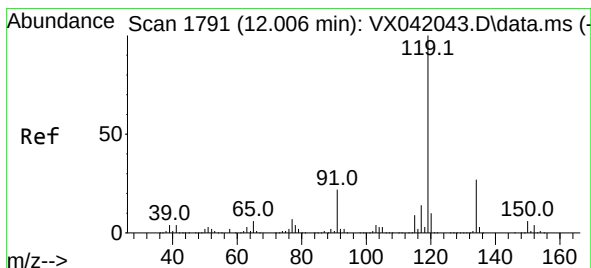
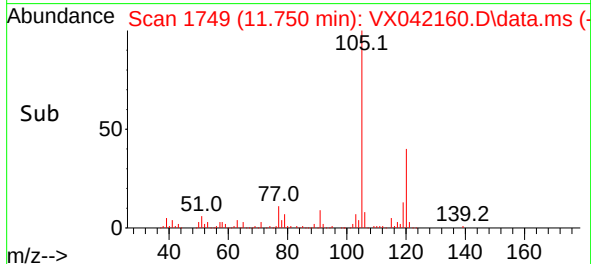
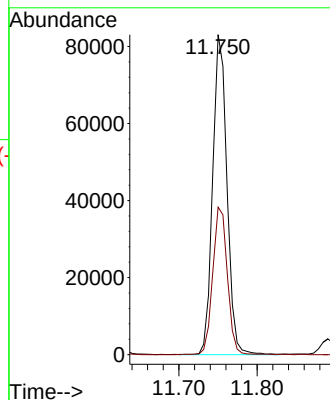
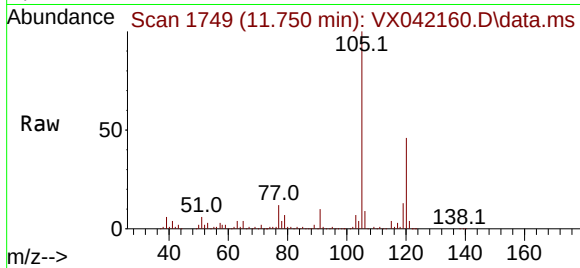




#84  
1,2,4-Trimethylbenzene  
Concen: 18.942 ug/l  
RT: 11.750 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VX042160.D  
Acq: 03 Jul 2024 13:38

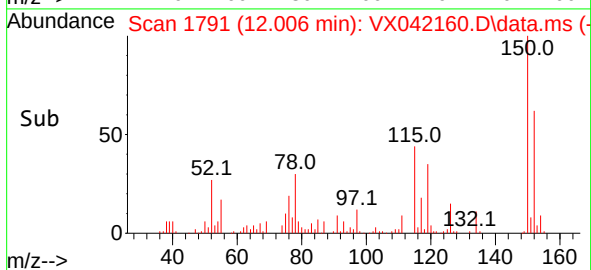
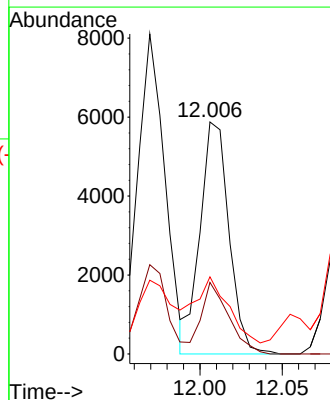
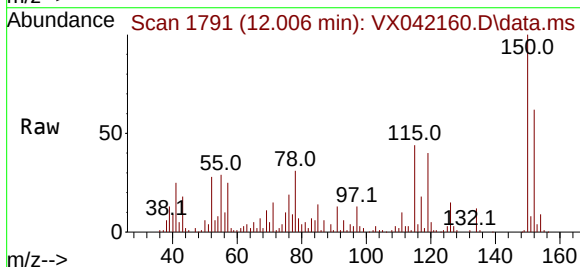
Instrument :  
MSVOA\_X  
ClientSampleId :  
FILTER-1

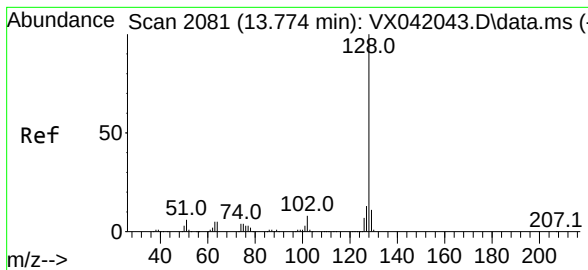
Tgt Ion:105 Resp: 105028  
Ion Ratio Lower Upper  
105 100  
120 47.2 21.2 63.6



#86  
p-Isopropyltoluene  
Concen: 1.199 ug/l  
RT: 12.006 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VX042160.D  
Acq: 03 Jul 2024 13:38

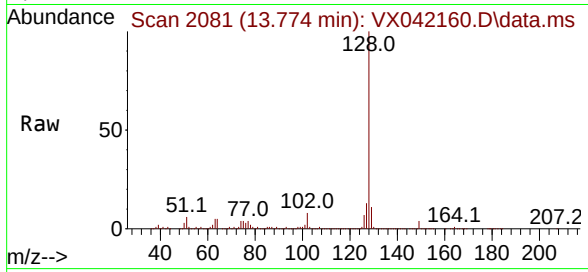
Tgt Ion:119 Resp: 7186  
Ion Ratio Lower Upper  
119 100  
134 28.6 12.8 38.3  
91 32.6 13.1 39.3





#95  
Naphthalene  
Concen: 125.492 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. 0.000 min  
Lab File: VX042160.D  
Acq: 03 Jul 2024 13:38

Instrument :  
MSVOA\_X  
ClientSampleId :  
FILTER-1



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 990792 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 13.2  | 10.3  | 15.5   |
| 129      | 11.2  | 8.8   | 13.2   |

