

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070124\  
 Data File : VX042103.D  
 Acq On : 01 Jul 2024 10:49  
 Operator : JC/MD  
 Sample : VX0701WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jul 01 16:05:38 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

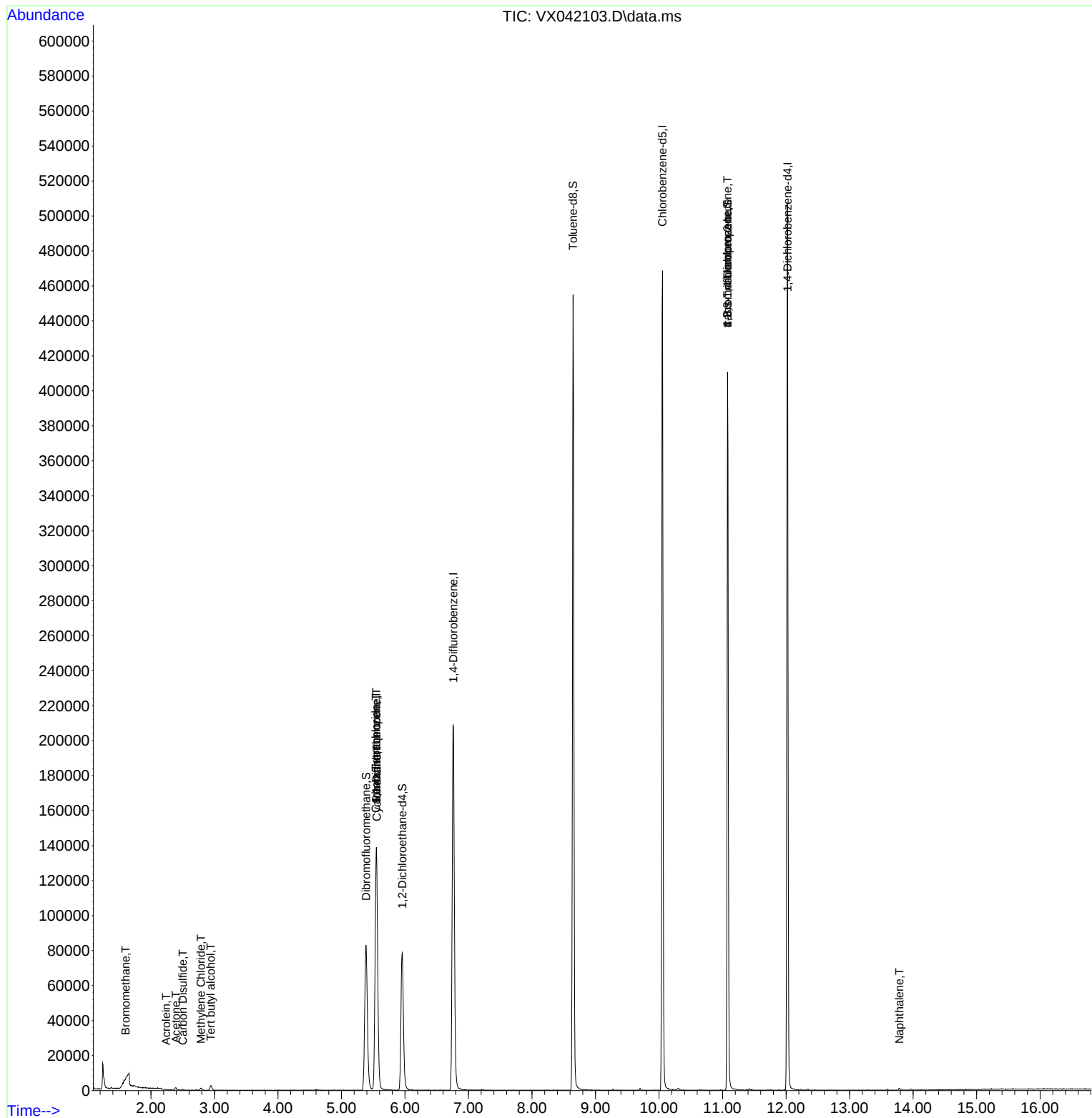
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 154466   | 50.000    | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 237627   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 240875   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 126215   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 77229    | 43.358    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 86.720%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 74206    | 44.011    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 88.020%  |
| 50) Toluene-d8                | 8.647  | 98    | 281481   | 47.521    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 95.040%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 109444   | 50.124    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 100.240% |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 1.599  | 94    | 299      | 0.409     | ug/l   | 92       |
| 6) Chloroethane               | 1.679  | 64    | 263      | Below Cal | #      | 43       |
| 11) Tert butyl alcohol        | 2.941  | 59    | 1645     | 4.866     | ug/l   | # 78     |
| 13) Acrolein                  | 2.239  | 56    | 138      | 0.364     | ug/l   | # 51     |
| 16) Acetone                   | 2.392  | 43    | 1474     | 1.885     | ug/l   | 92       |
| 17) Carbon Disulfide          | 2.502  | 76    | 604      | 0.222     | ug/l   | # 78     |
| 20) Methylene Chloride        | 2.788  | 84    | 740      | 0.432     | ug/l   | # 80     |
| 31) Cyclohexane               | 5.556  | 56    | 2241     | 1.076     | ug/l   | # 1      |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 8730     | 4.876     | ug/l   | # 50     |
| 38) Carbon Tetrachloride      | 5.544  | 117   | 12983    | 6.563     | ug/l   | # 16     |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 50254    | 21.932    | ug/l   | # 39     |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 50254    | 62.286    | ug/l   | # 5      |
| 95) Naphthalene               | 13.786 | 128   | 1250     | 0.884     | ug/l   | # 87     |
| -----                         |        |       |          |           |        |          |

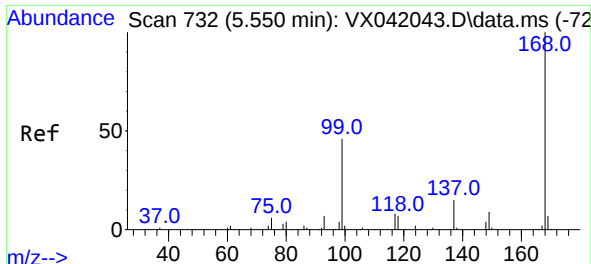
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070124\  
Data File : VX042103.D  
Acq On : 01 Jul 2024 10:49  
Operator : JC/MD  
Sample : VX0701WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

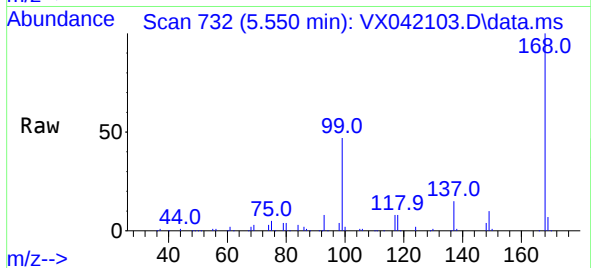
Quant Time: Jul 01 16:05:38 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061824W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 21 23:51:58 2024  
Response via : Initial Calibration



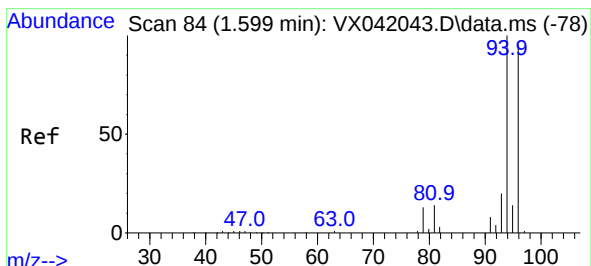
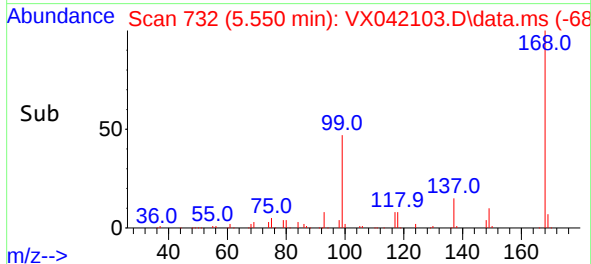
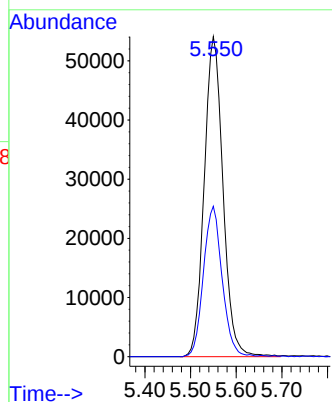


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX042103.D  
Acq: 01 Jul 2024 10:49

Instrument :  
MSVOA\_X  
ClientSampleId :

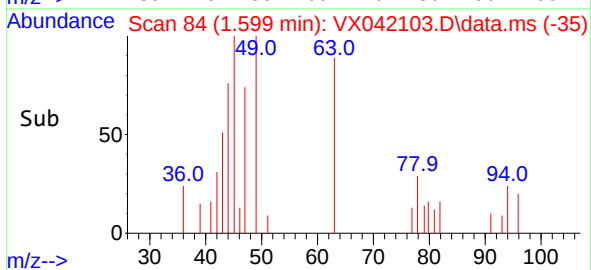
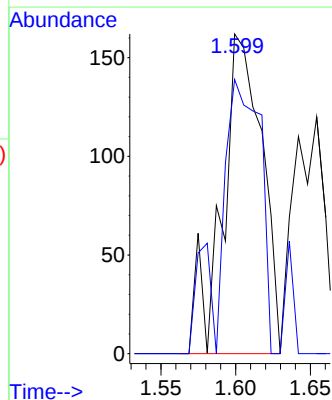
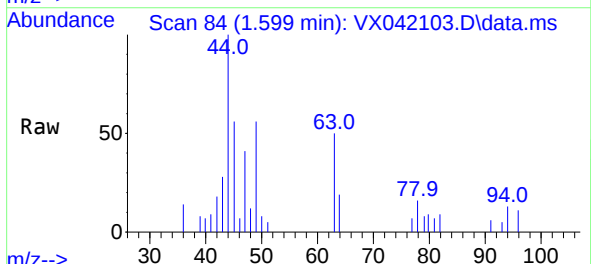


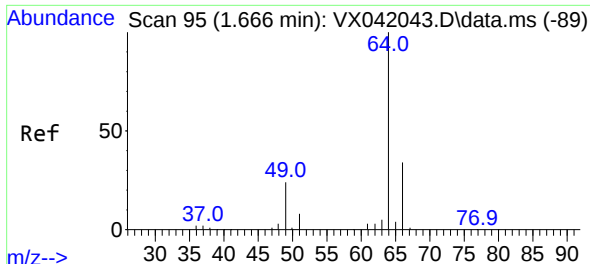
Tgt Ion:168 Resp: 154466  
Ion Ratio Lower Upper  
168 100  
99 47.0 56.6 85.0#



#5  
Bromomethane  
Concen: 0.409 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.000 min  
Lab File: VX042103.D  
Acq: 01 Jul 2024 10:49

Tgt Ion: 94 Resp: 299  
Ion Ratio Lower Upper  
94 100  
96 85.8 74.6 111.8

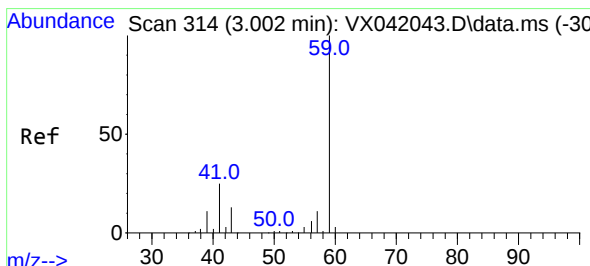
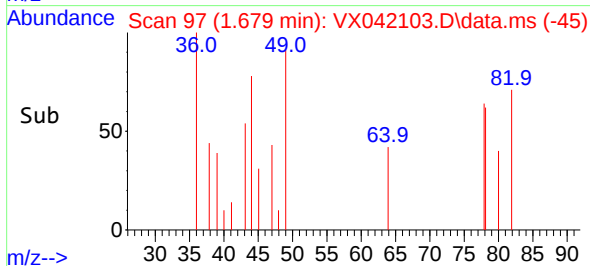
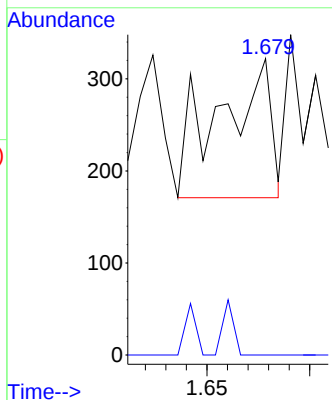
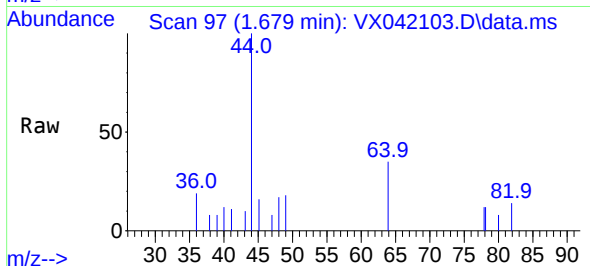




#6  
Chloroethane  
Concen: Below Cal  
RT: 1.679 min Scan# 91  
Delta R.T. 0.019 min  
Lab File: VX042103.D  
Acq: 01 Jul 2024 10:49

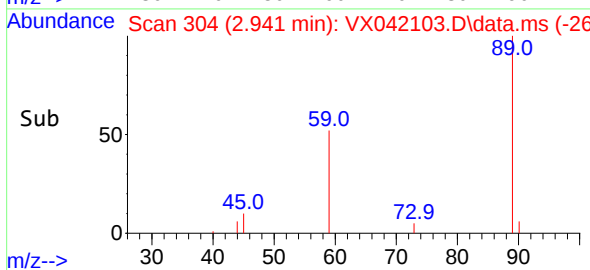
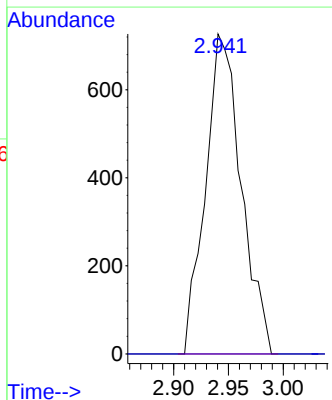
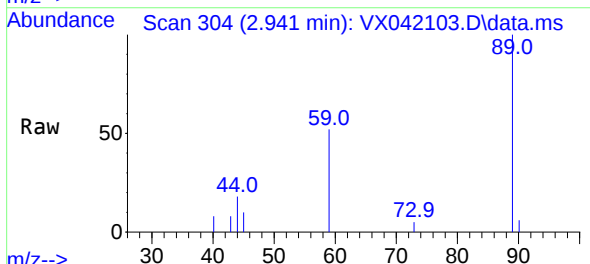
Instrument :  
MSVOA\_X  
ClientSampleId :

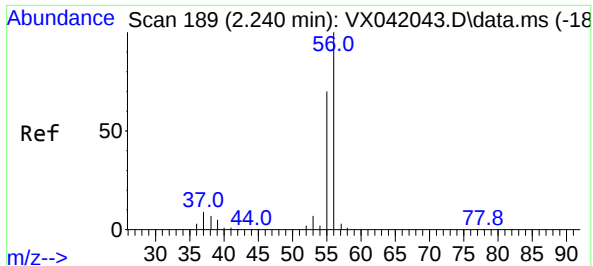
Tgt Ion: 64 Resp: 263  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.1 37.7#



#11  
Tert butyl alcohol  
Concen: 4.866 ug/l  
RT: 2.941 min Scan# 304  
Delta R.T. -0.067 min  
Lab File: VX042103.D  
Acq: 01 Jul 2024 10:49

Tgt Ion: 59 Resp: 1645  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#

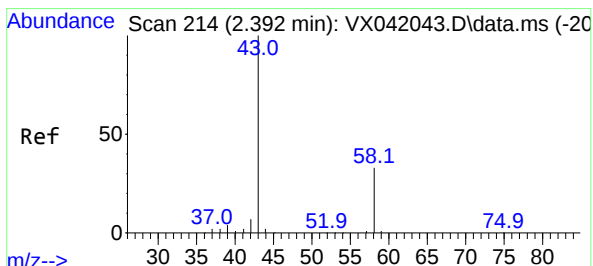
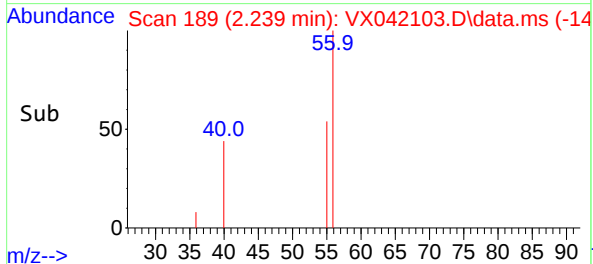
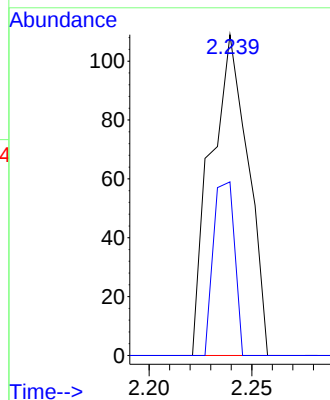
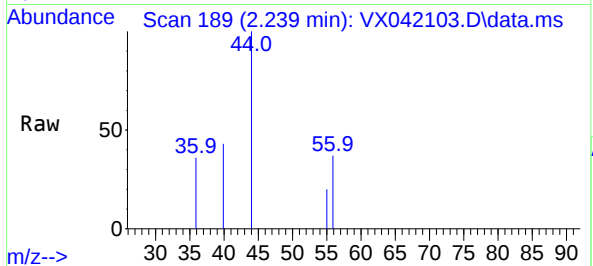




#13  
Acrolein  
Concen: 0.364 ug/l  
RT: 2.239 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX042103.D  
Acq: 01 Jul 2024 10:49

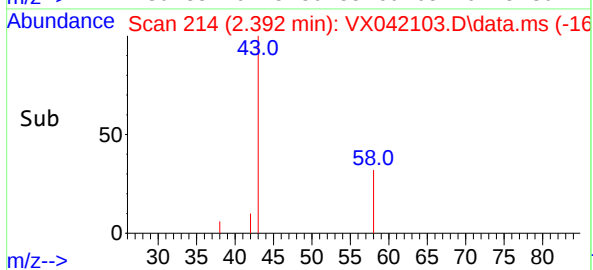
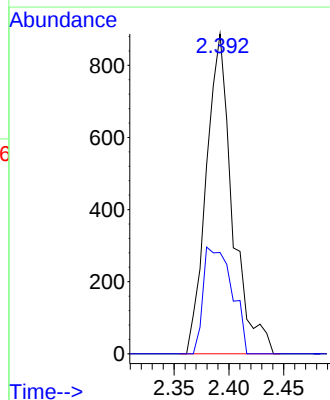
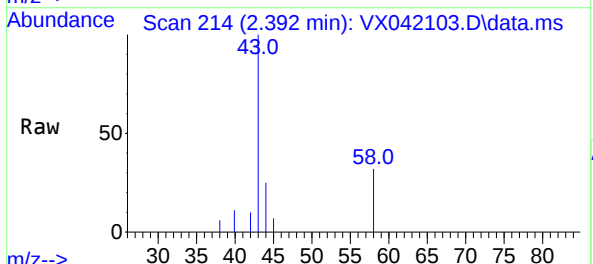
Instrument :  
MSVOA\_X  
ClientSampleId :

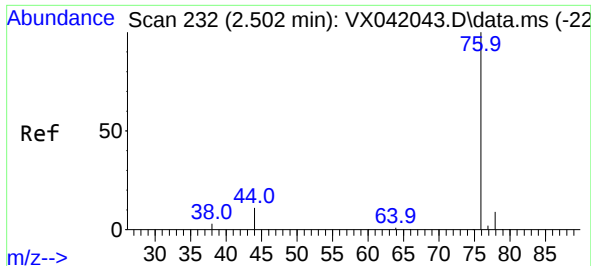
Tgt Ion: 56 Resp: 138  
Ion Ratio Lower Upper  
56 100  
55 30.4 57.1 85.7#



#16  
Acetone  
Concen: 1.885 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.006 min  
Lab File: VX042103.D  
Acq: 01 Jul 2024 10:49

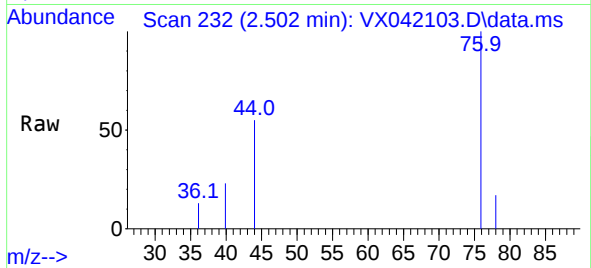
Tgt Ion: 43 Resp: 1474  
Ion Ratio Lower Upper  
43 100  
58 31.7 21.9 32.9



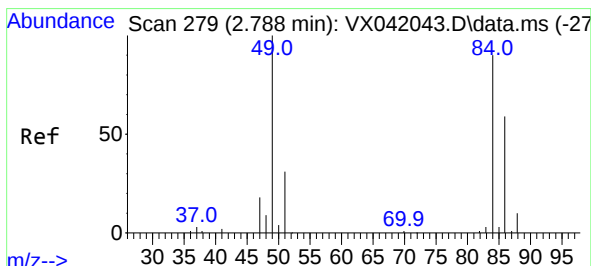
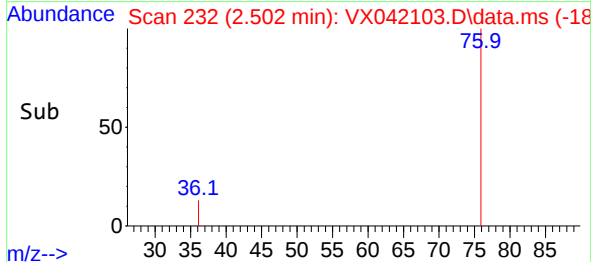
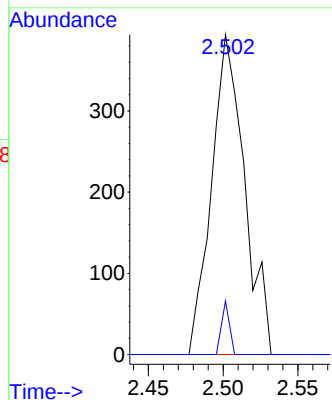


#17  
Carbon Disulfide  
Concen: 0.222 ug/l  
RT: 2.502 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX042103.D  
Acq: 01 Jul 2024 10:49

Instrument :  
MSVOA\_X  
ClientSampleId :

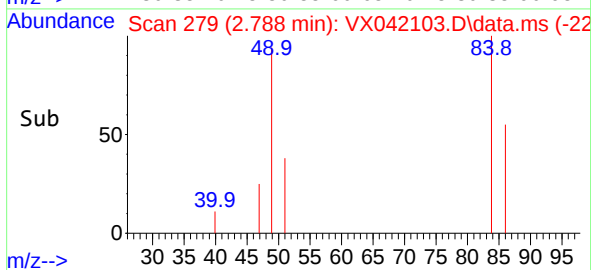
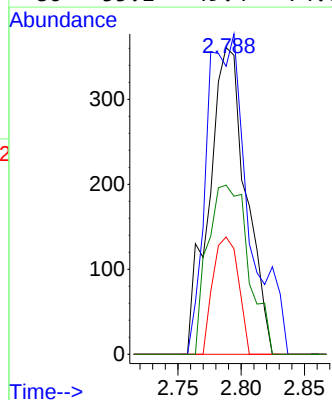
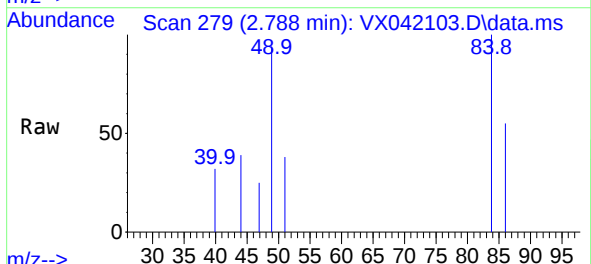


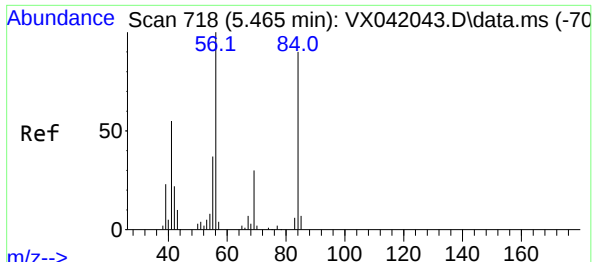
Tgt Ion: 76 Resp: 604  
Ion Ratio Lower Upper  
76 100  
78 16.8 7.0 10.6#



#20  
Methylene Chloride  
Concen: 0.432 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.006 min  
Lab File: VX042103.D  
Acq: 01 Jul 2024 10:49

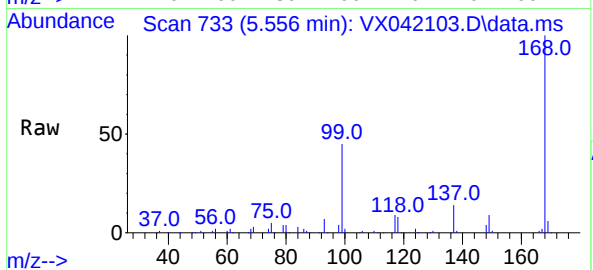
Tgt Ion: 84 Resp: 740  
Ion Ratio Lower Upper  
84 100  
49 93.9 103.6 155.4#  
51 38.2 33.8 50.6  
86 55.1 49.4 74.0



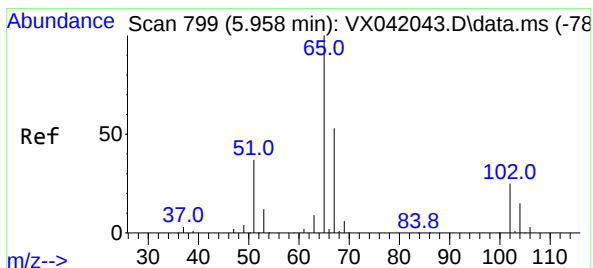
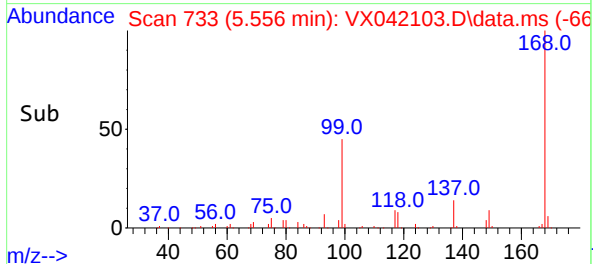
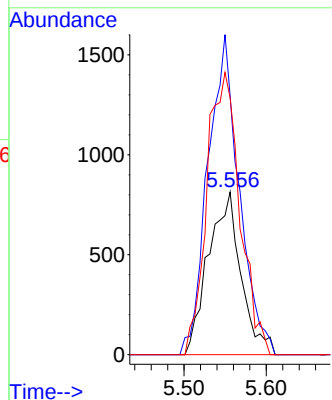


#31  
Cyclohexane  
Concen: 1.076 ug/l  
RT: 5.556 min Scan# 718  
Delta R.T. 0.092 min  
Lab File: VX042103.D  
Acq: 01 Jul 2024 10:49

Instrument :  
MSVOA\_X  
ClientSampleId :

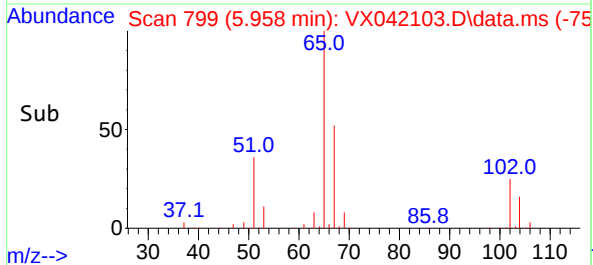
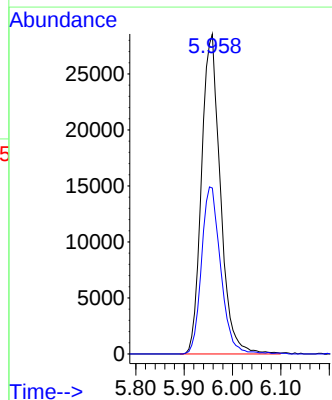
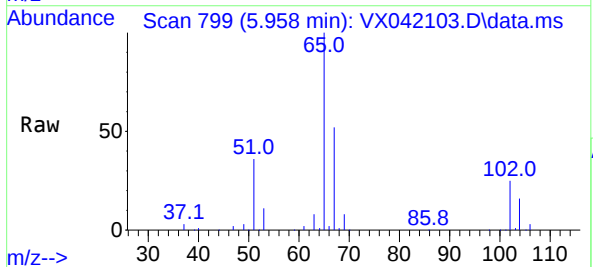


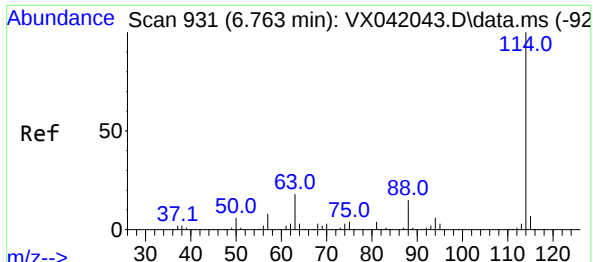
Tgt Ion: 56 Resp: 2241  
Ion Ratio Lower Upper  
56 100  
69 159.1 23.4 35.2#  
84 157.9 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 43.358 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX042103.D  
Acq: 01 Jul 2024 10:49

Tgt Ion: 65 Resp: 77229  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 100.2

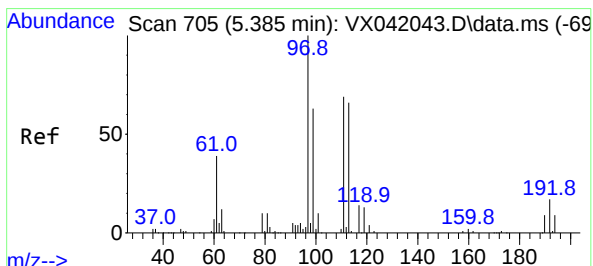
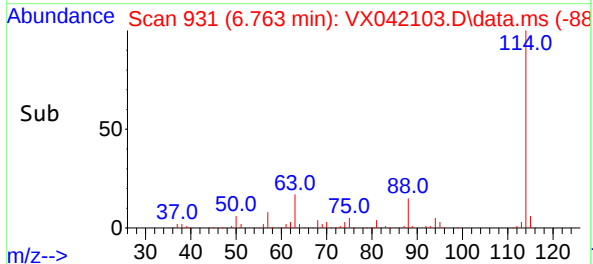
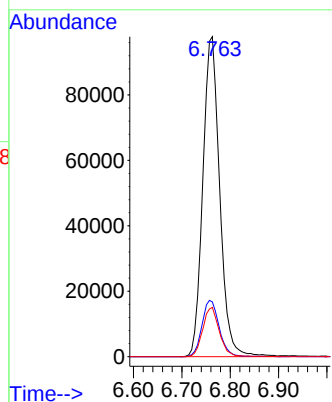
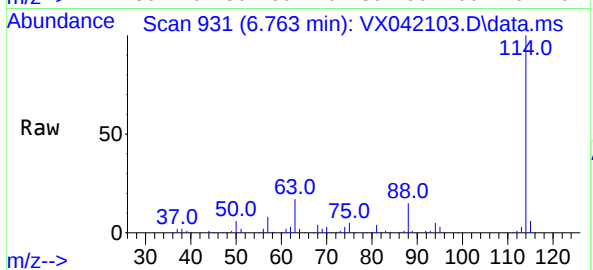




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX042103.D  
Acq: 01 Jul 2024 10:49

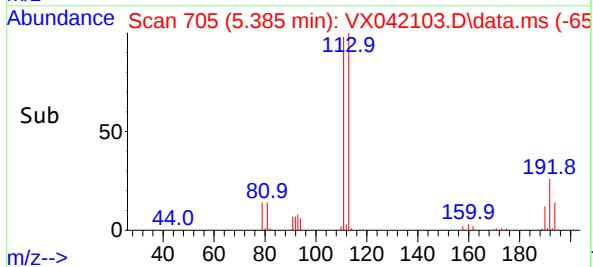
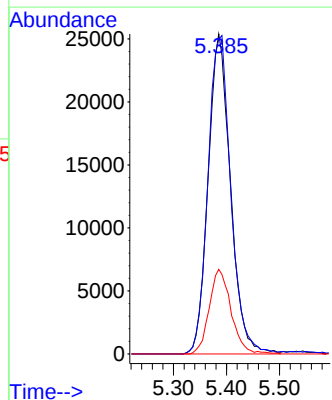
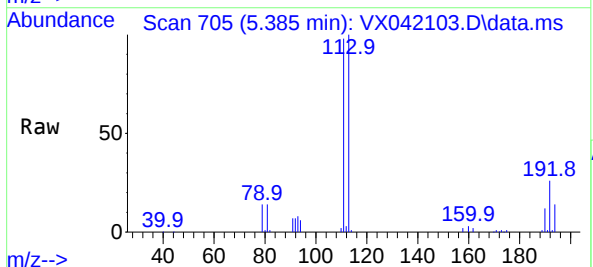
Instrument :  
MSVOA\_X  
ClientSampleId :

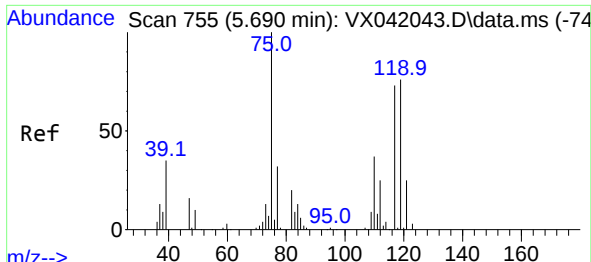
Tgt Ion:114 Resp: 237627  
Ion Ratio Lower Upper  
114 100  
63 17.1 0.0 45.0  
88 15.4 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 44.011 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.006 min  
Lab File: VX042103.D  
Acq: 01 Jul 2024 10:49

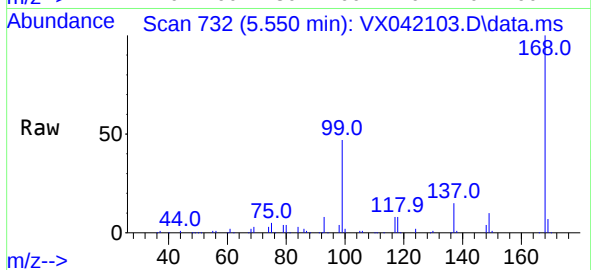
Tgt Ion:113 Resp: 74206  
Ion Ratio Lower Upper  
113 100  
111 101.8 82.9 124.3  
192 25.9 13.3 19.9#



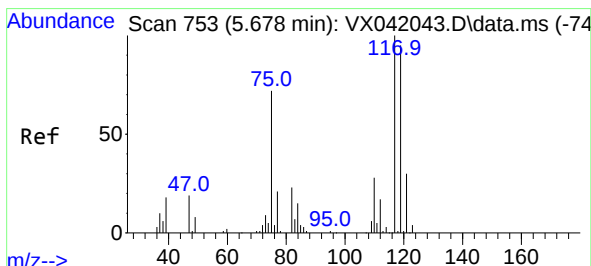
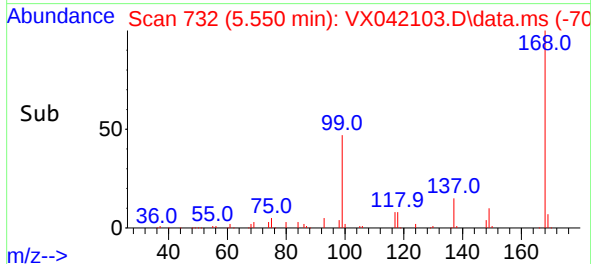
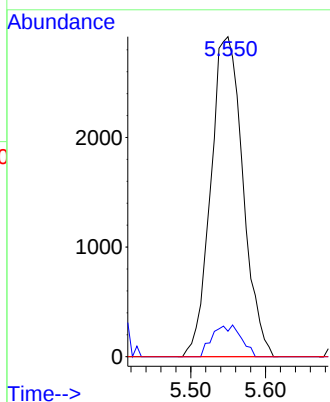


#36  
1,1-Dichloropropene  
Concen: 4.876 ug/l  
RT: 5.550 min Scan# 714  
Delta R.T. -0.140 min  
Lab File: VX042103.D  
Acq: 01 Jul 2024 10:49

Instrument :  
MSVOA\_X  
ClientSampleId :

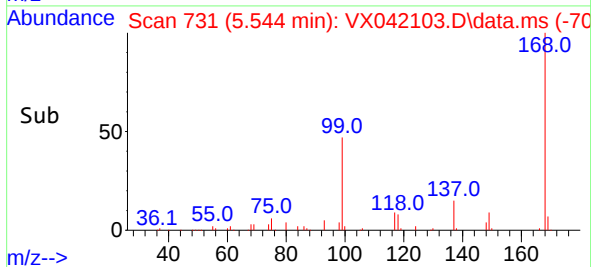
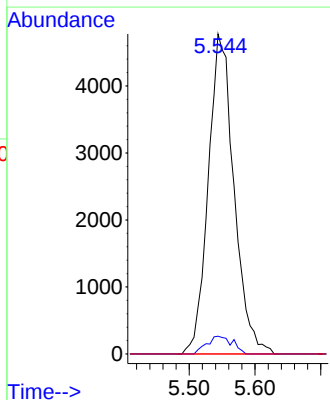
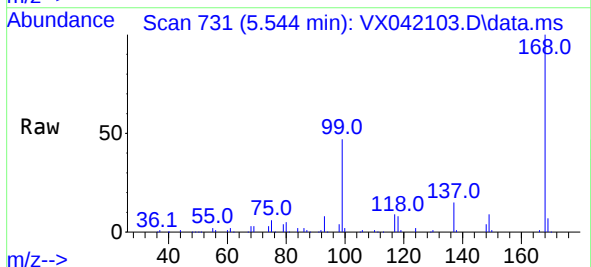


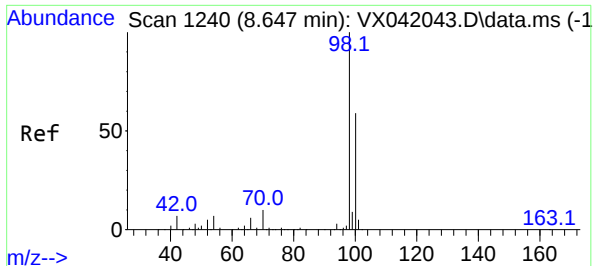
Tgt Ion: 75 Resp: 8730  
Ion Ratio Lower Upper  
75 100  
110 8.8 17.0 50.9#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 6.563 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.134 min  
Lab File: VX042103.D  
Acq: 01 Jul 2024 10:49

Tgt Ion: 117 Resp: 12983  
Ion Ratio Lower Upper  
117 100  
119 5.5 78.2 117.2#  
121 0.0 24.4 36.6#

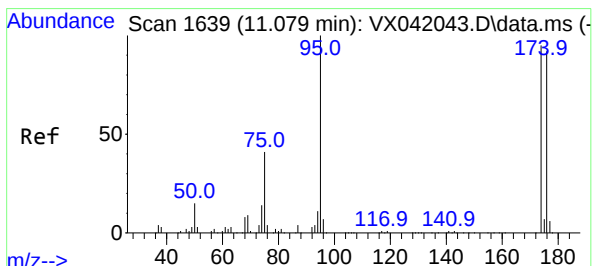
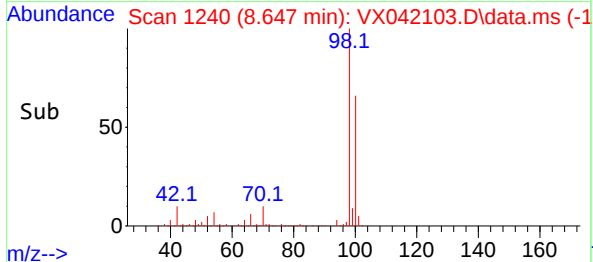
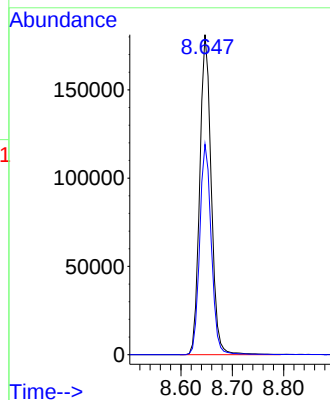
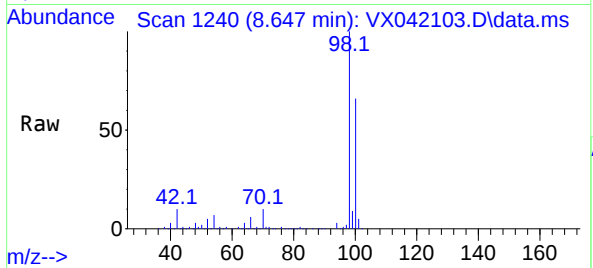




#50  
Toluene-d8  
Concen: 47.521 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX042103.D  
Acq: 01 Jul 2024 10:49

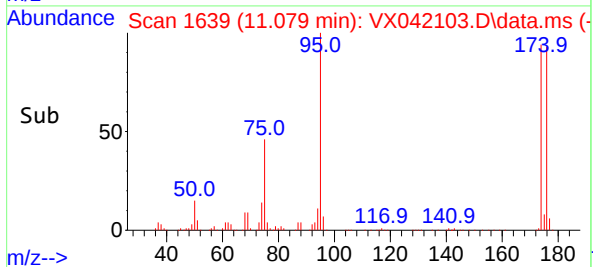
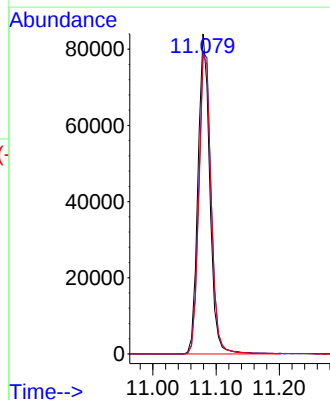
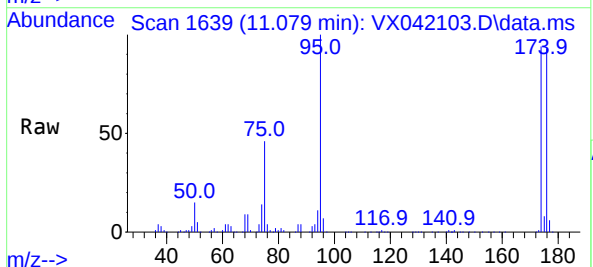
Instrument :  
MSVOA\_X  
ClientSampleId :

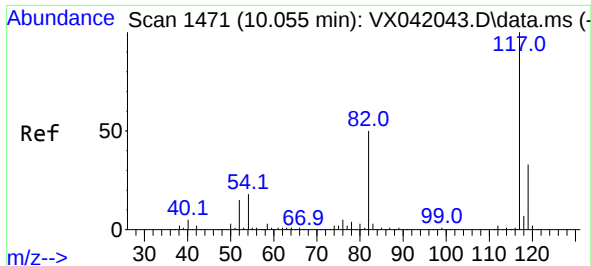
Tgt Ion: 98 Resp: 281481  
Ion Ratio Lower Upper  
98 100  
100 66.4 53.1 79.7



#62  
4-Bromofluorobenzene  
Concen: 50.124 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX042103.D  
Acq: 01 Jul 2024 10:49

Tgt Ion: 95 Resp: 109444  
Ion Ratio Lower Upper  
95 100  
174 99.4 0.0 135.6  
176 96.9 0.0 131.0

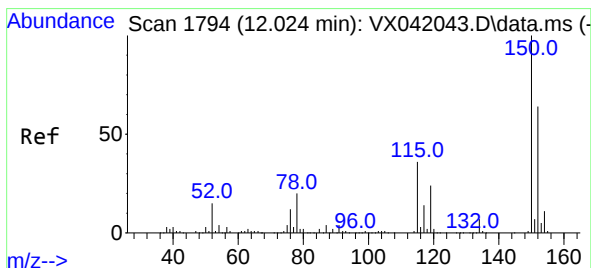
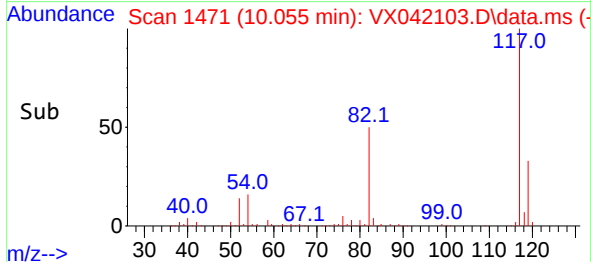
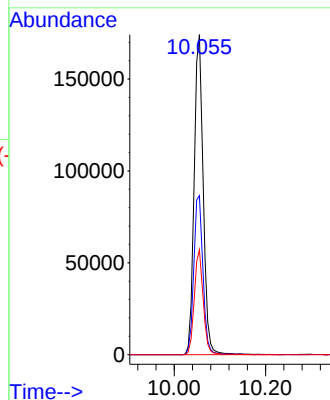
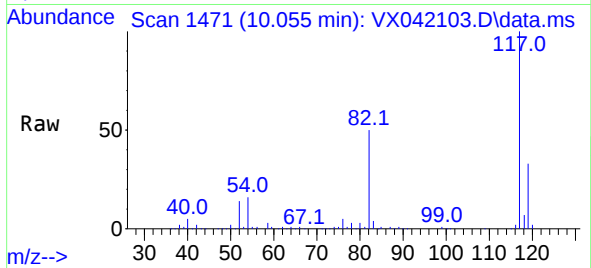




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX042103.D  
Acq: 01 Jul 2024 10:49

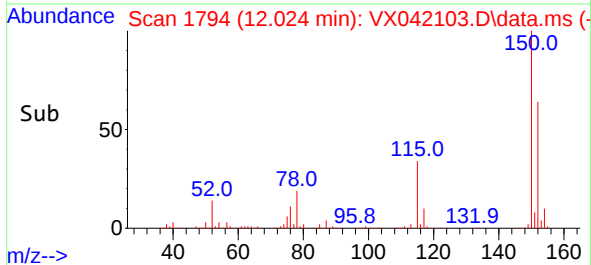
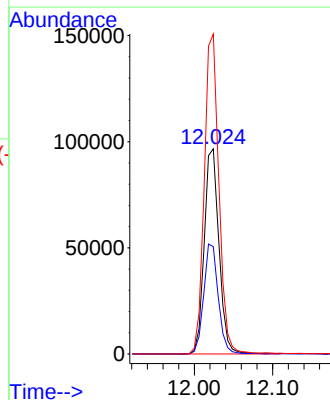
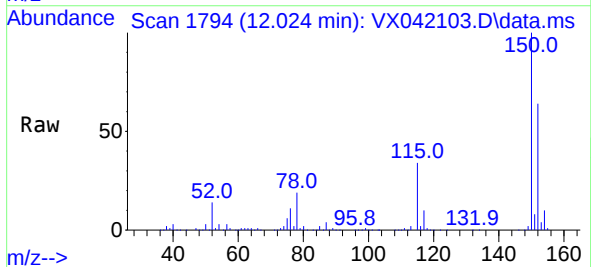
Instrument :  
MSVOA\_X  
ClientSampleId :

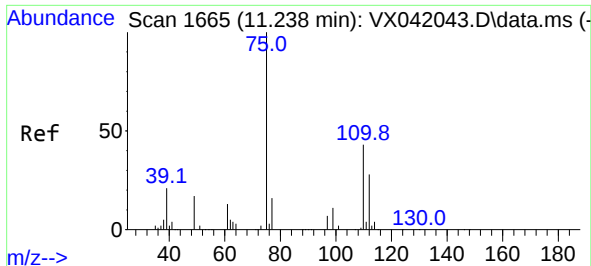
Tgt Ion:117 Resp: 240875  
Ion Ratio Lower Upper  
117 100  
82 49.7 46.2 69.4  
119 32.8 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX042103.D  
Acq: 01 Jul 2024 10:49

Tgt Ion:152 Resp: 126215  
Ion Ratio Lower Upper  
152 100  
115 53.0 43.3 129.9  
150 154.3 0.0 345.0

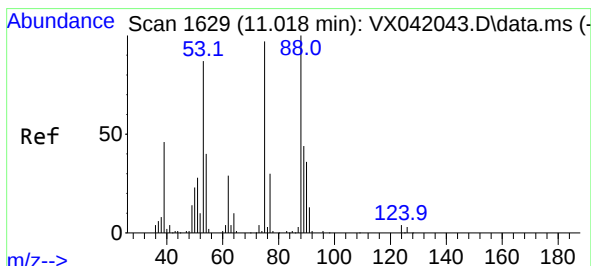
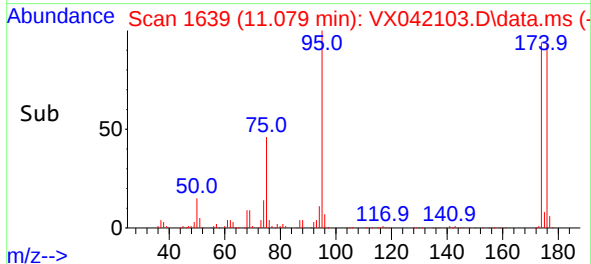
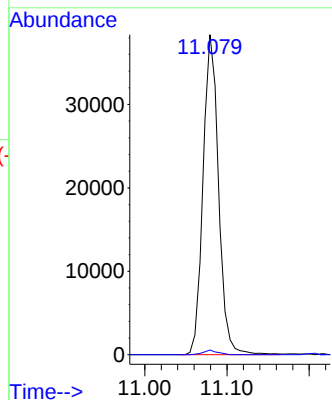
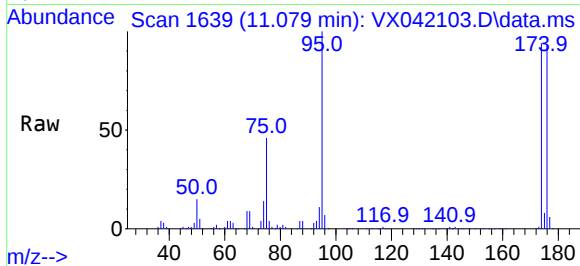




#76  
1,2,3-Trichloropropane  
Concen: 21.932 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX042103.D  
Acq: 01 Jul 2024 10:49

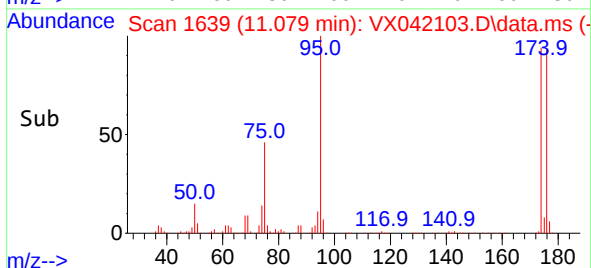
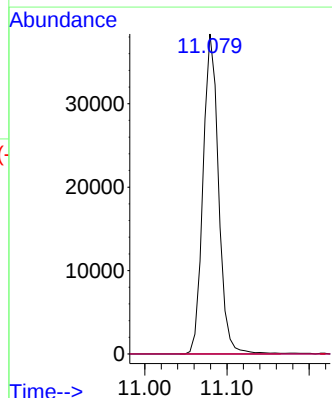
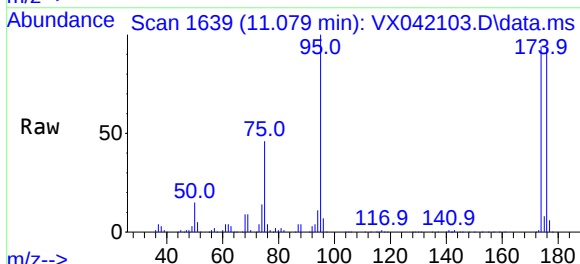
Instrument :  
MSVOA\_X  
ClientSampleId :

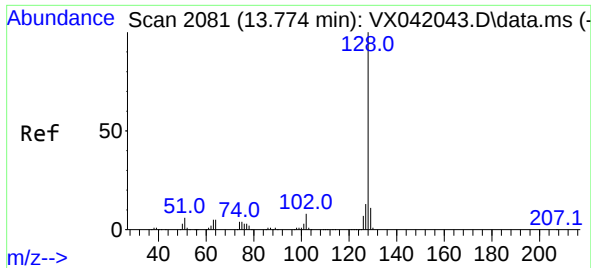
Tgt Ion: 75 Resp: 50254  
Ion Ratio Lower Upper  
75 100  
77 1.3 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 62.286 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX042103.D  
Acq: 01 Jul 2024 10:49

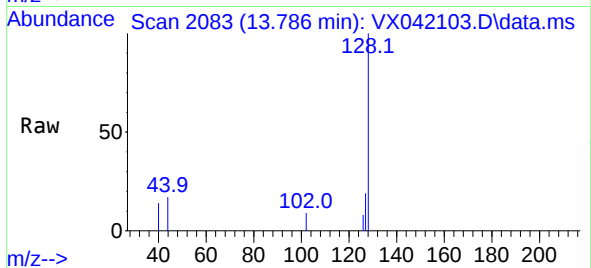
Tgt Ion: 75 Resp: 50254  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#





#95  
Naphthalene  
Concen: 0.884 ug/l  
RT: 13.786 min Scan# 2083  
Delta R.T. 0.012 min  
Lab File: VX042103.D  
Acq: 01 Jul 2024 10:49

Instrument :  
MSVOA\_X  
ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 1250  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 9.7   | 10.3  | 15.5# |
| 129      | 4.2   | 8.8   | 13.2# |

