

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100821\  
 Data File : VX024679.D  
 Acq On : 08 Oct 2021 18:44  
 Operator : JC/MD  
 Sample : M4154-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Oct 11 05:49:48 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092321W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 23 18:24:34 2021  
 Response via : Initial Calibration

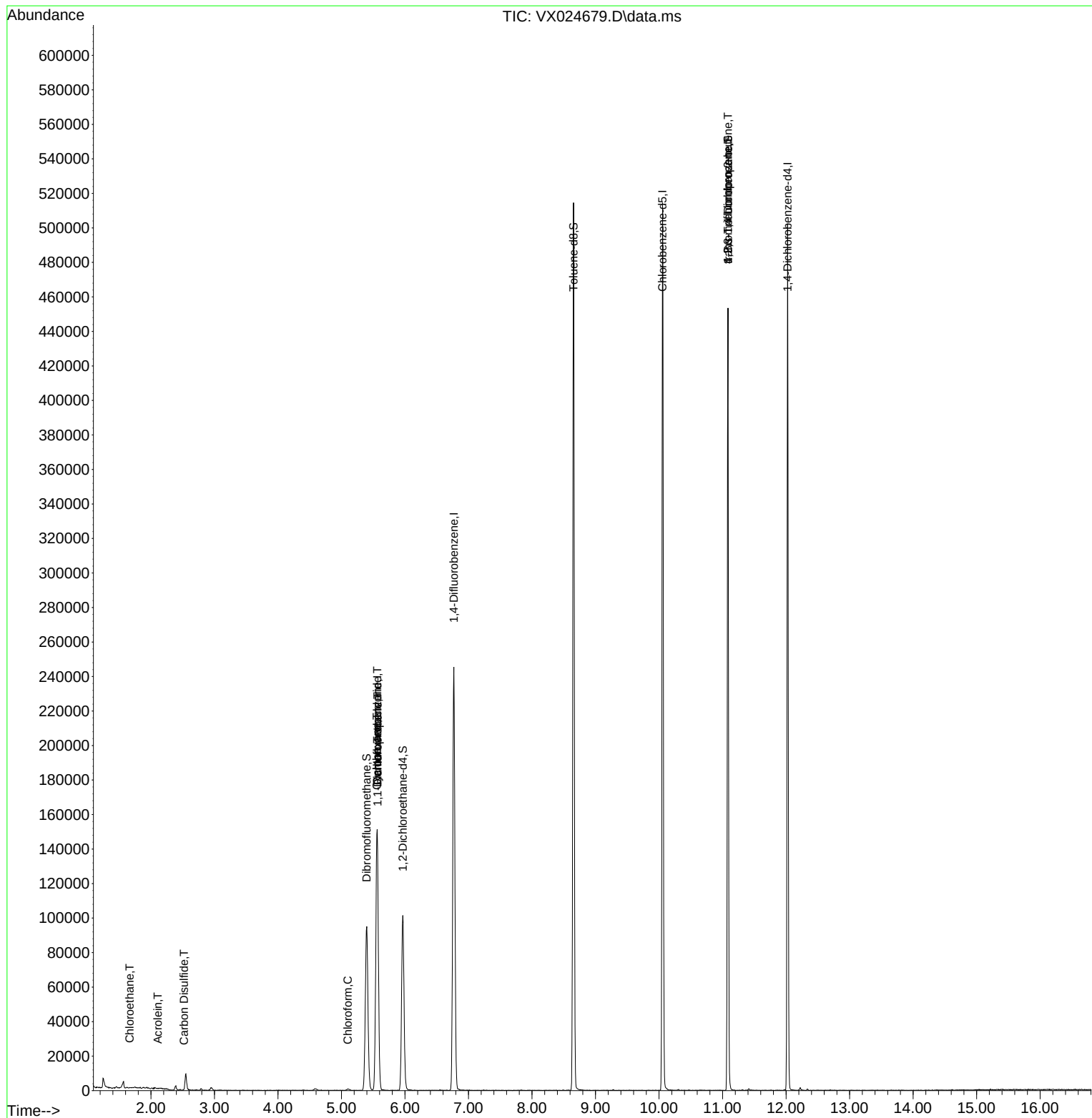
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 5.562          | 168  | 143483              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769          | 114  | 243528              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 231280              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 99232               | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964          | 65   | 103841              | 51.350    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 102.700% |           |        |          |
| 35) Dibromofluoromethane      | 5.397          | 113  | 80343               | 49.661    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 99.320%  |           |        |          |
| 50) Toluene-d8                | 8.653          | 98   | 295044              | 49.550    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 99.100%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 11.085         | 95   | 114829              | 49.048    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 98.100%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
|                               |                |      |                     |           | Qvalue |          |
| 6) Chloroethane               | 1.666          | 64   | 186                 | 0.453     | ug/l # | 43       |
| 11) Tert butyl alcohol        | 2.959          | 59   | 1079                | Below Cal | #      | 73       |
| 13) Acrolein                  | 2.105          | 56   | 21                  | 10.242    | ug/l # | 14       |
| 16) Acetone                   | 2.392          | 43   | 2660                | Below Cal |        | 94       |
| 17) Carbon Disulfide          | 2.520          | 76   | 356                 | 0.332     | ug/l # | 75       |
| 20) Methylene Chloride        | 2.788          | 84   | 297                 | Below Cal | #      | 77       |
| 30) Chloroform                | 5.099          | 83   | 1124                | 0.373     | ug/l   | 99       |
| 31) Cyclohexane               | 5.556          | 56   | 3204                | 1.323     | ug/l # | 32       |
| 36) 1,1-Dichloropropene       | 5.568          | 75   | 10876               | 4.659     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.562          | 117  | 14761               | 5.808     | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 11.085         | 75   | 60658               | 26.917    | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.085         | 75   | 60658               | 73.254    | ug/l # | 12       |
| -----                         |                |      |                     |           |        |          |

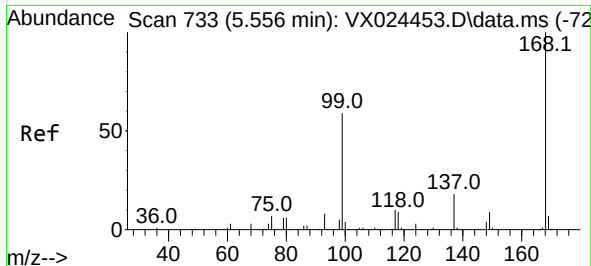
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100821\  
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Sample : M4154-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Oct 11 05:49:48 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092321W.M  
Quant Title : SW846 8260  
QLast Update : Thu Sep 23 18:24:34 2021  
Response via : Initial Calibration

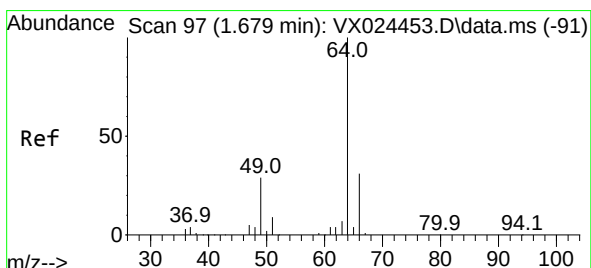
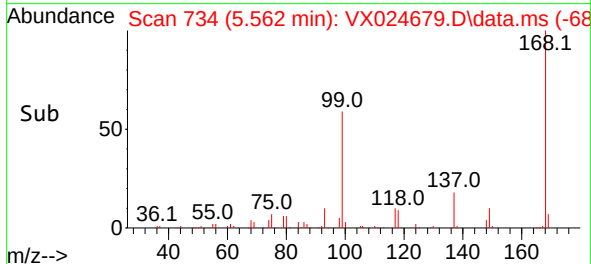
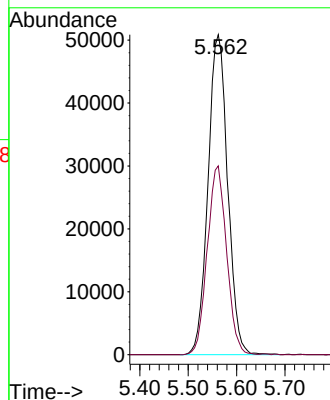
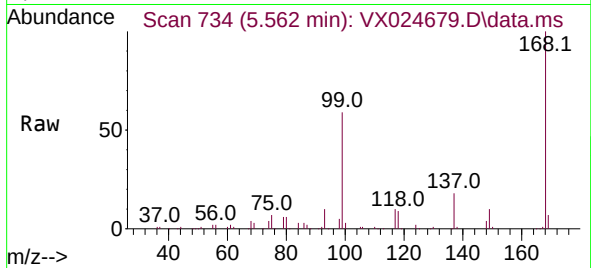




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.006 min  
Lab File: VX024679.D  
Acq: 08 Oct 2021 18:44

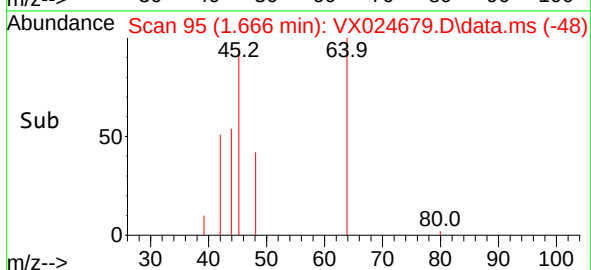
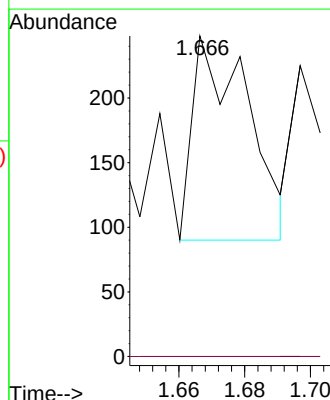
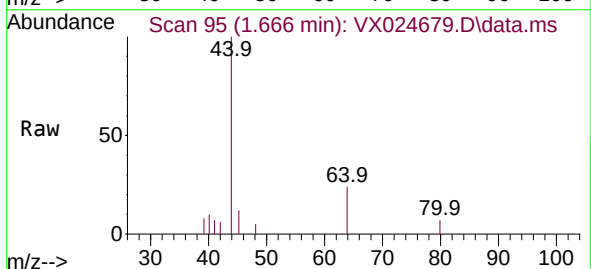
Instrument :  
MSVOA\_X  
ClientSampled :

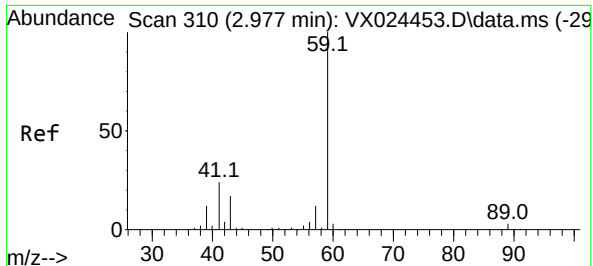
Tgt Ion:168 Resp: 143483  
Ion Ratio Lower Upper  
168 100  
99 59.0 45.8 68.6



#6  
Chloroethane  
Concen: 0.453 ug/l  
RT: 1.666 min Scan# 95  
Delta R.T. -0.013 min  
Lab File: VX024679.D  
Acq: 08 Oct 2021 18:44

Tgt Ion: 64 Resp: 186  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.0#



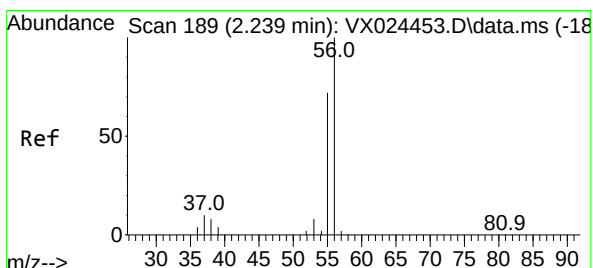
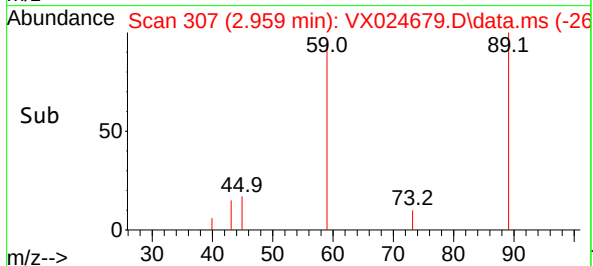
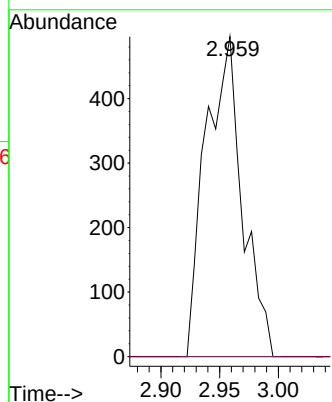
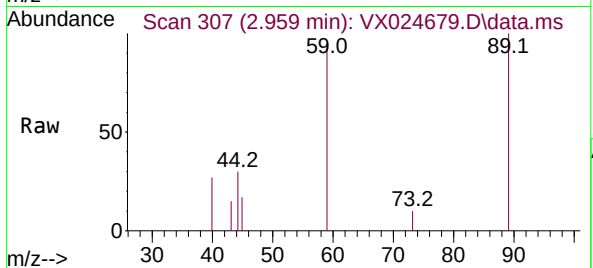


#11

Tert butyl alcohol  
Concen: Below Cal  
RT: 2.959 min Scan# 307  
Delta R.T. -0.018 min  
Lab File: VX024679.D  
Acq: 08 Oct 2021 18:44

Instrument :  
MSVOA\_X  
ClientSampled :

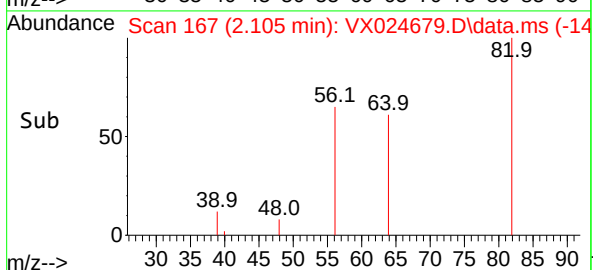
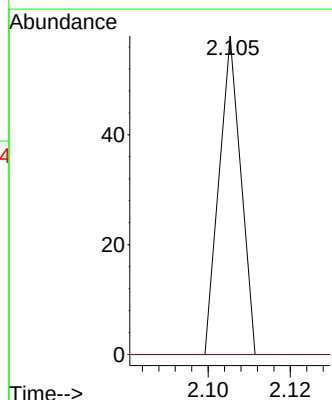
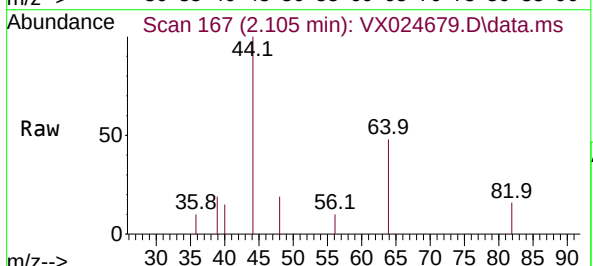
Tgt Ion: 59 Resp: 1079  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

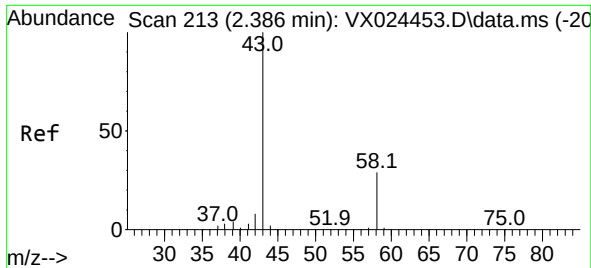


#13

Acrolein  
Concen: 10.242 ug/l  
RT: 2.105 min Scan# 167  
Delta R.T. -0.134 min  
Lab File: VX024679.D  
Acq: 08 Oct 2021 18:44

Tgt Ion: 56 Resp: 21  
Ion Ratio Lower Upper  
56 100  
55 0.0 56.4 84.6#

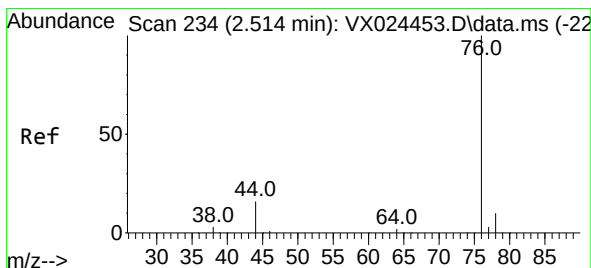
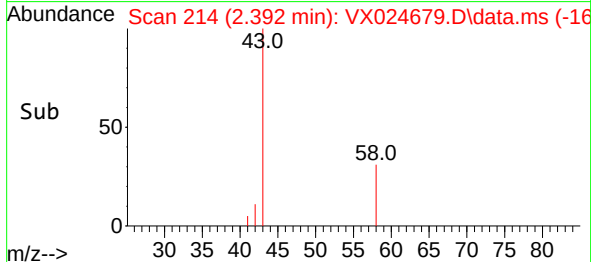
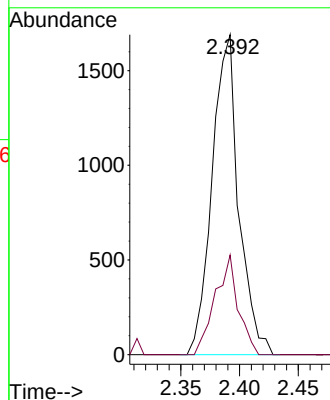
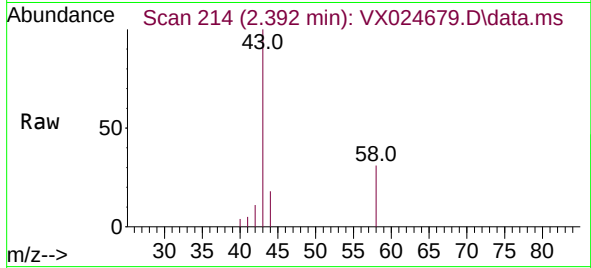




#16  
Acetone  
Concen: Below Cal  
RT: 2.392 min Scan# 214  
Delta R.T. 0.006 min  
Lab File: VX024679.D  
Acq: 08 Oct 2021 18:44

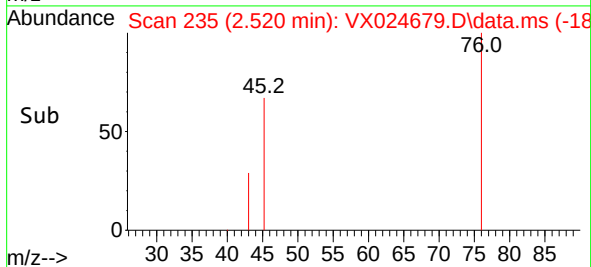
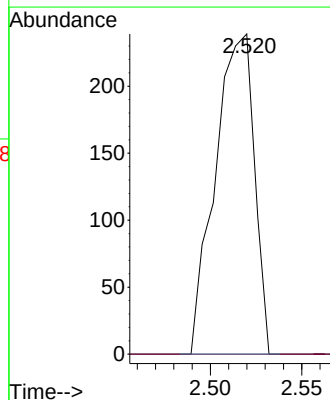
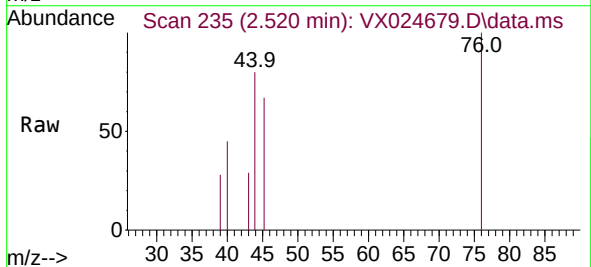
Instrument :  
MSVOA\_X  
ClientSampled :

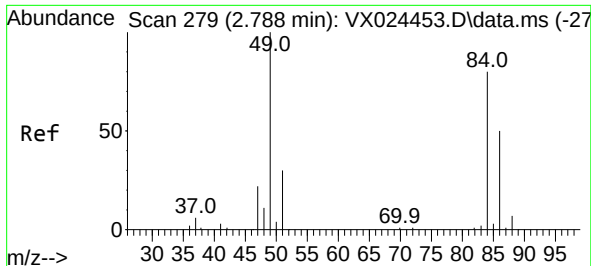
Tgt Ion: 43 Resp: 2660  
Ion Ratio Lower Upper  
43 100  
58 31.1 27.8 41.8



#17  
Carbon Disulfide  
Concen: 0.332 ug/l  
RT: 2.520 min Scan# 235  
Delta R.T. 0.006 min  
Lab File: VX024679.D  
Acq: 08 Oct 2021 18:44

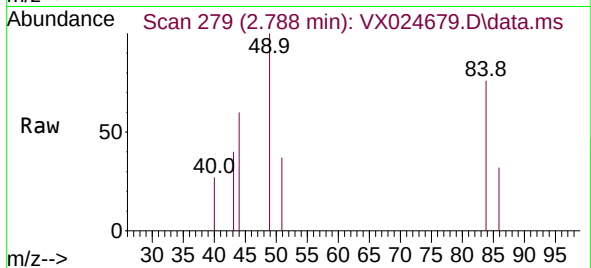
Tgt Ion: 76 Resp: 356  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#



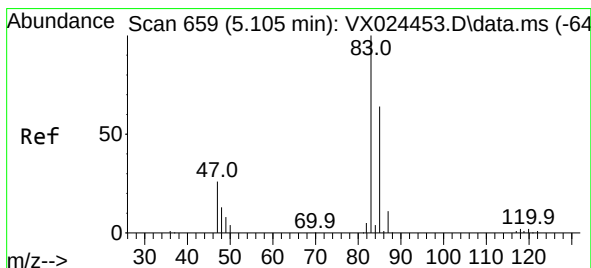
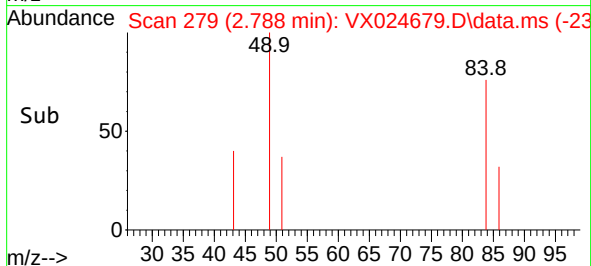
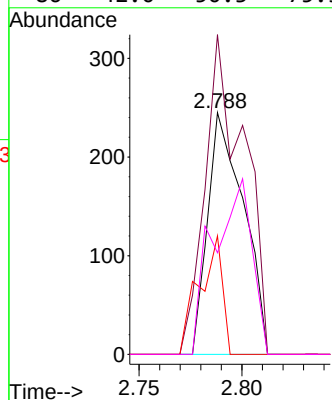


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX024679.D  
Acq: 08 Oct 2021 18:44

Instrument :  
MSVOA\_X  
ClientSampleId :

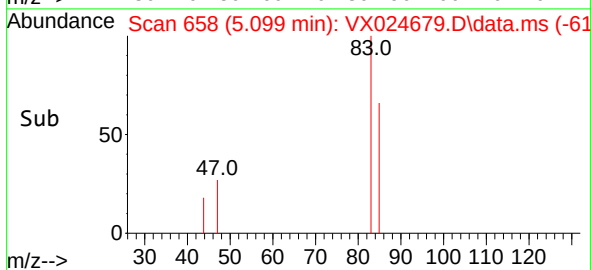
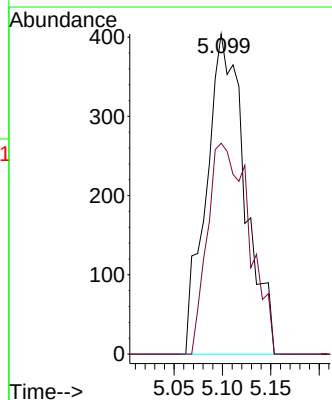
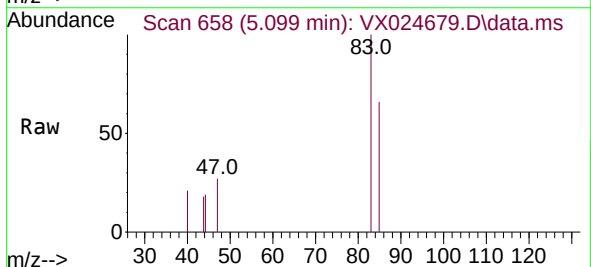


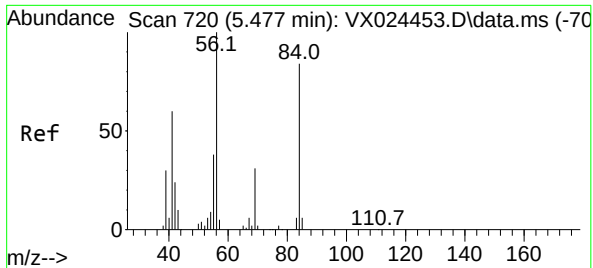
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 297   |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 132.2 | 88.6  | 132.8 |
| 51       | 49.0  | 27.0  | 40.6# |
| 86       | 42.0  | 50.3  | 75.5# |



#30  
Chloroform  
Concen: 0.373 ug/l  
RT: 5.099 min Scan# 658  
Delta R.T. -0.006 min  
Lab File: VX024679.D  
Acq: 08 Oct 2021 18:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 1124  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 65.8  | 52.0  | 78.0  |

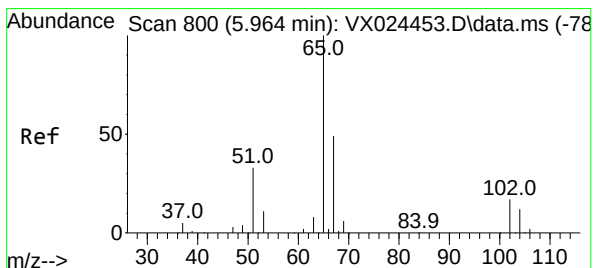
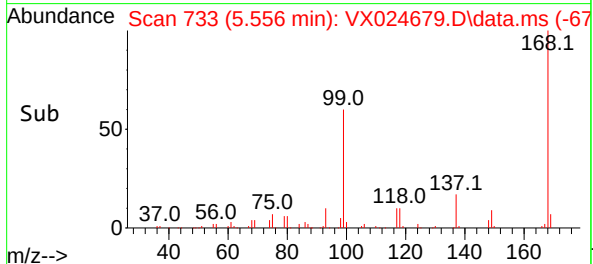
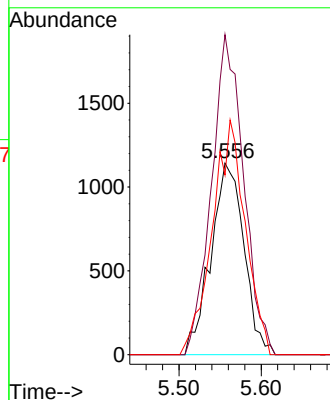
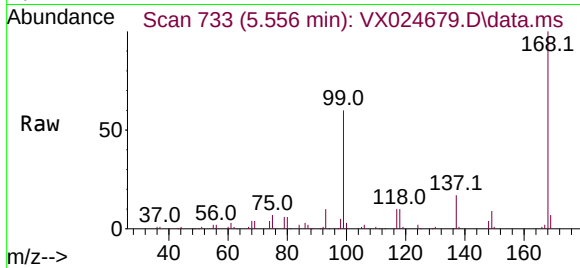




#31  
Cyclohexane  
Concen: 1.323 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.079 min  
Lab File: VX024679.D  
Acq: 08 Oct 2021 18:44

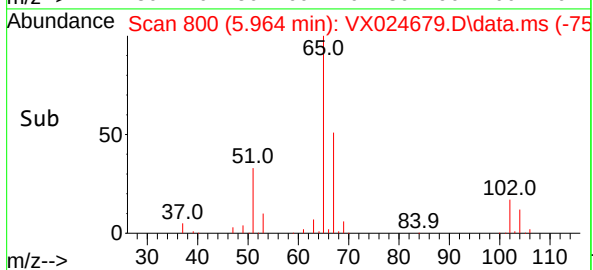
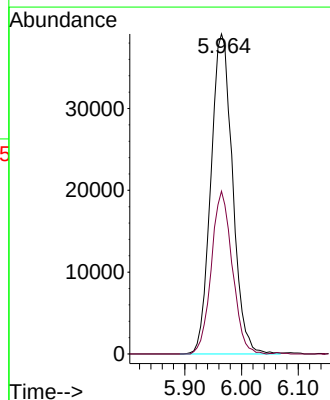
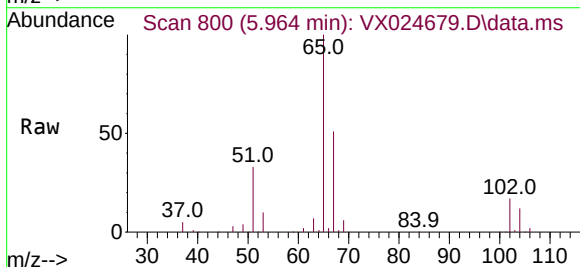
Instrument :  
MSVOA\_X  
ClientSampleId :

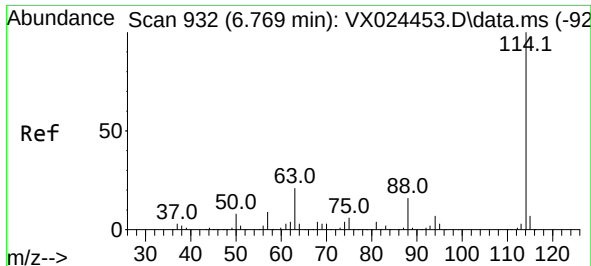
Tgt Ion: 56 Resp: 3204  
Ion Ratio Lower Upper  
56 100  
69 167.0 25.3 37.9#  
84 93.8 71.4 107.0



#33  
1,2-Dichloroethane-d4  
Concen: 51.350 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX024679.D  
Acq: 08 Oct 2021 18:44

Tgt Ion: 65 Resp: 103841  
Ion Ratio Lower Upper  
65 100  
67 49.1 0.0 105.4

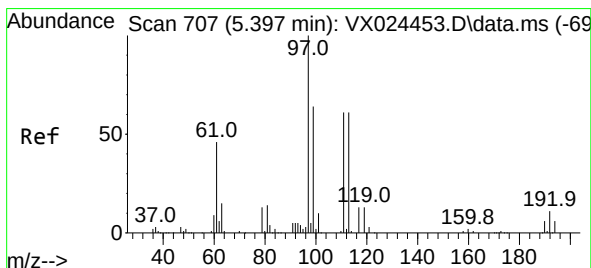
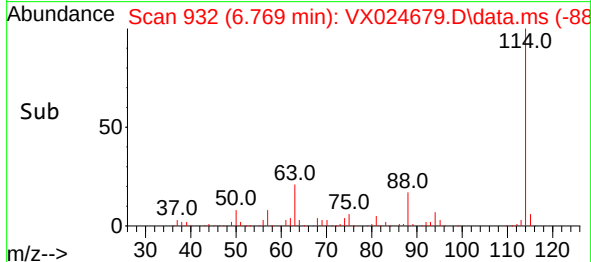
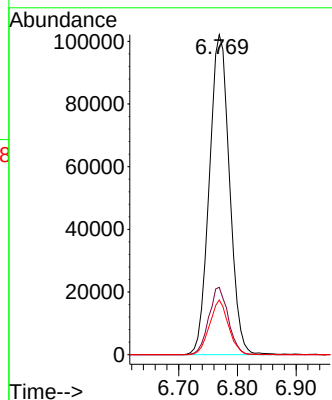
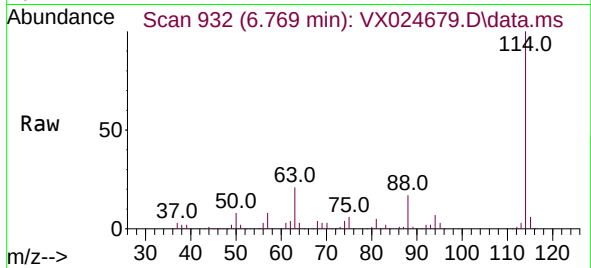




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX024679.D  
Acq: 08 Oct 2021 18:44

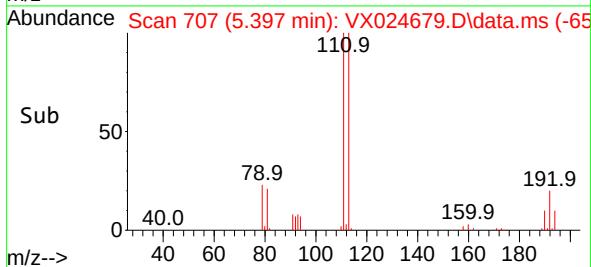
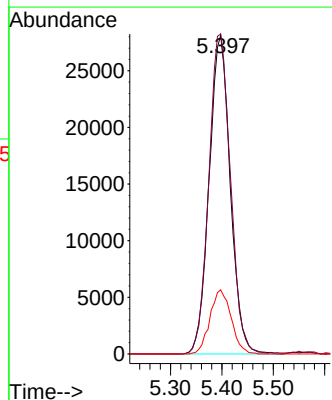
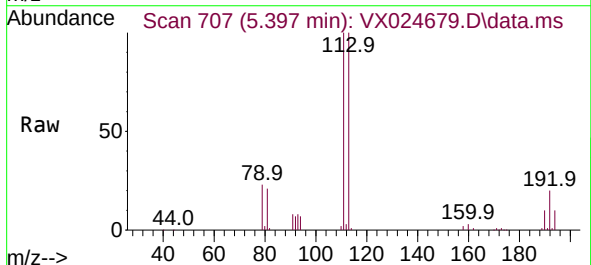
Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion:114 Resp: 243528  
Ion Ratio Lower Upper  
114 100  
63 21.0 0.0 40.8  
88 17.1 0.0 32.8

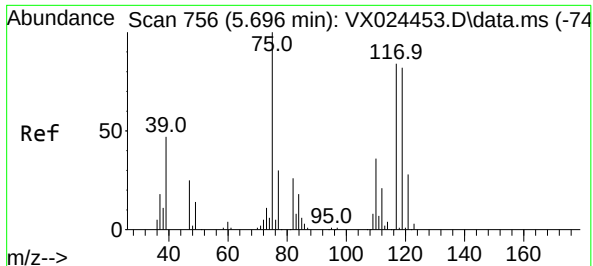


#35  
Dibromofluoromethane  
Concen: 49.661 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX024679.D  
Acq: 08 Oct 2021 18:44

Tgt Ion:113 Resp: 80343  
Ion Ratio Lower Upper  
113 100  
111 102.7 81.9 122.9  
192 20.2 16.7 25.1







#36

1,1-Dichloropropene

Concen: 4.659 ug/l

RT: 5.568 min Scan# 735

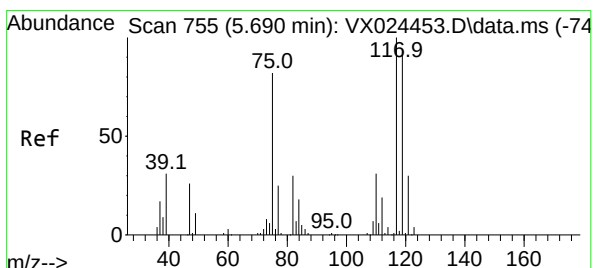
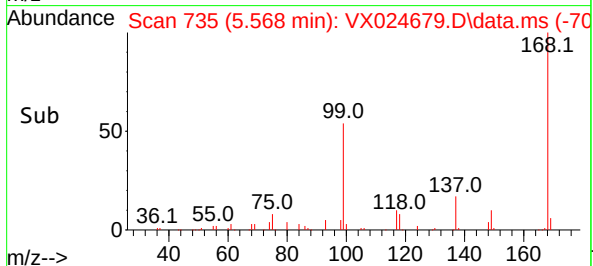
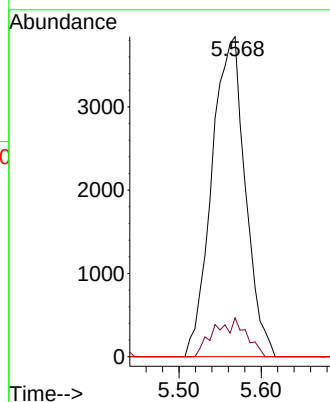
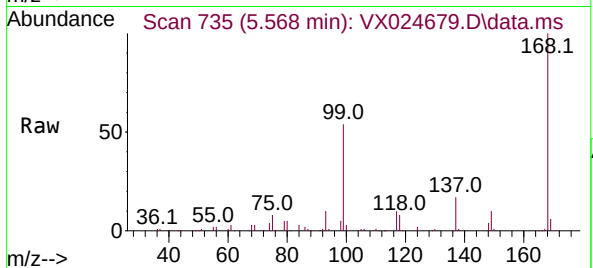
Delta R.T. -0.128 min

Lab File: VX024679.D

Acq: 08 Oct 2021 18:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 10876 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 11.6  | 18.1  | 54.4# |
| 77       | 0.0   | 25.3  | 37.9# |

Instrument :  
MSVOA\_X  
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.808 ug/l

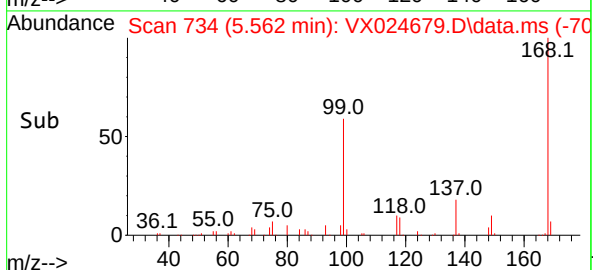
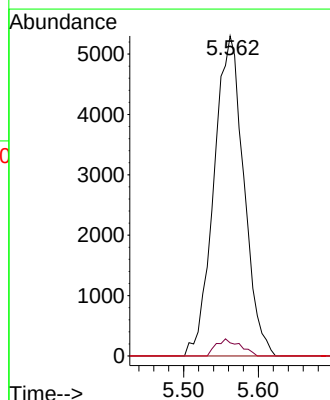
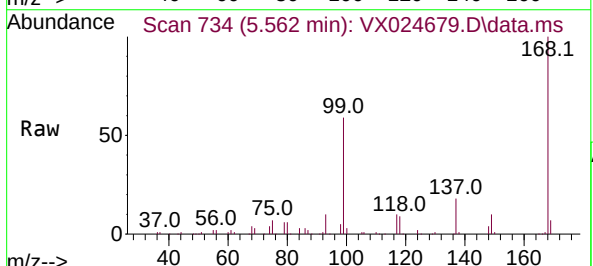
RT: 5.562 min Scan# 734

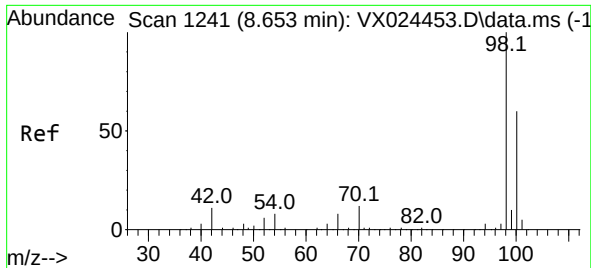
Delta R.T. -0.128 min

Lab File: VX024679.D

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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 14761  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 4.1   | 76.2  | 114.2# |
| 121      | 0.0   | 24.8  | 37.2#  |

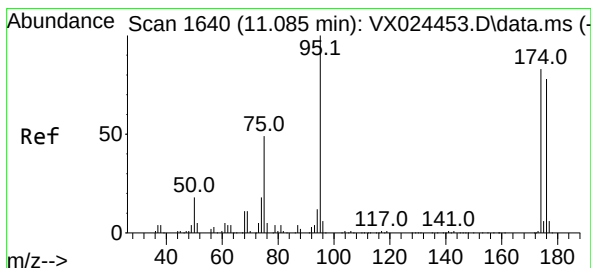
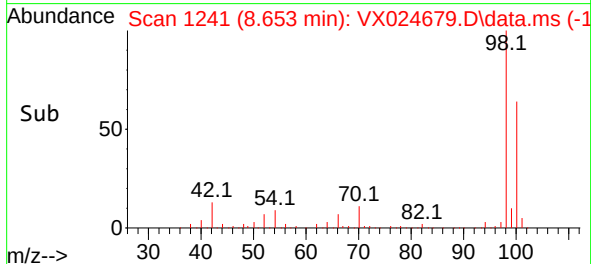
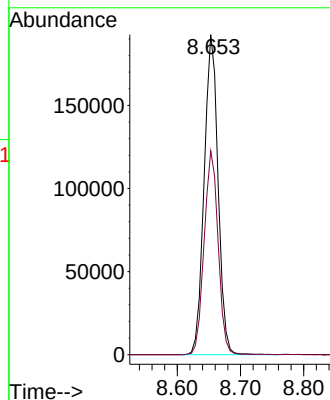
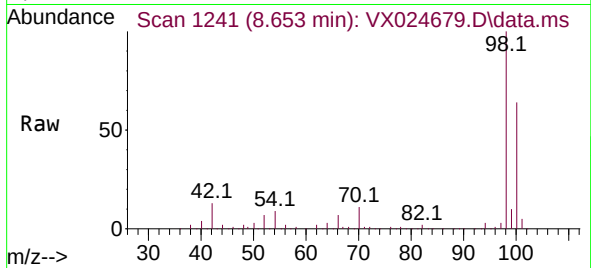




#50  
Toluene-d8  
Concen: 49.550 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX024679.D  
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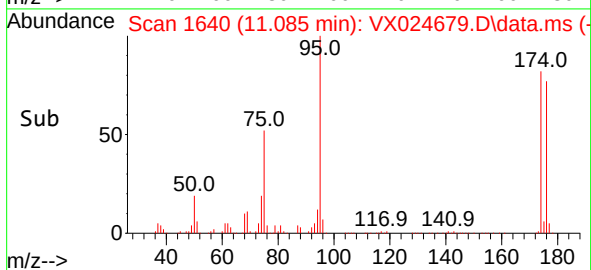
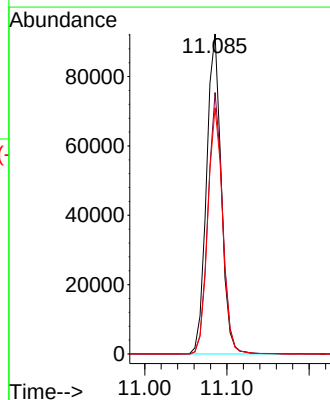
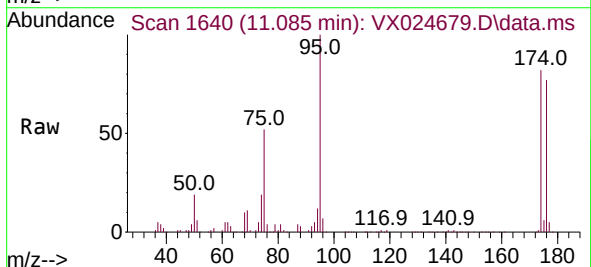
Instrument :  
MSVOA\_X  
ClientSampled :

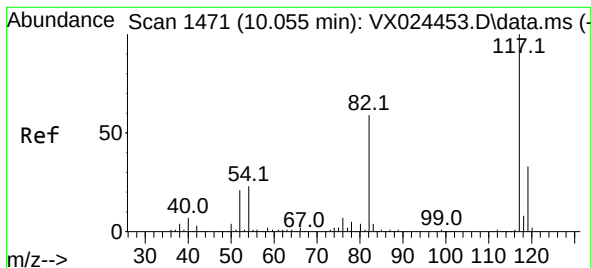
Tgt Ion: 98 Resp: 295044  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 49.048 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX024679.D  
Acq: 08 Oct 2021 18:44

Tgt Ion: 95 Resp: 114829  
Ion Ratio Lower Upper  
95 100  
174 80.8 0.0 154.6  
176 77.6 0.0 155.8

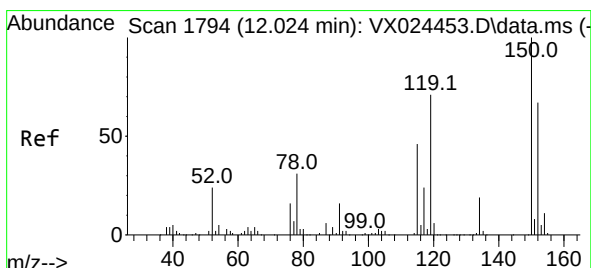
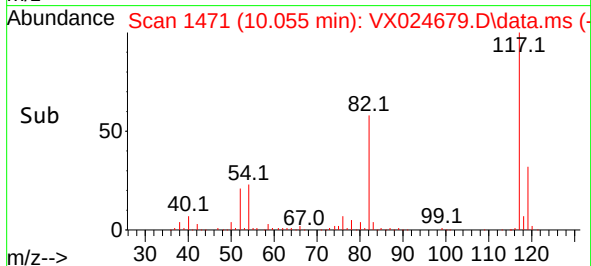
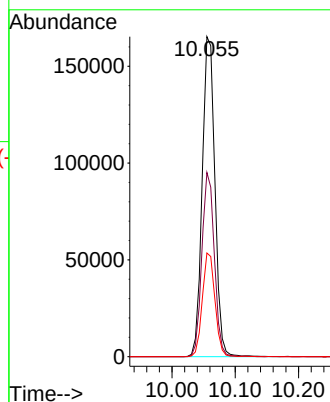
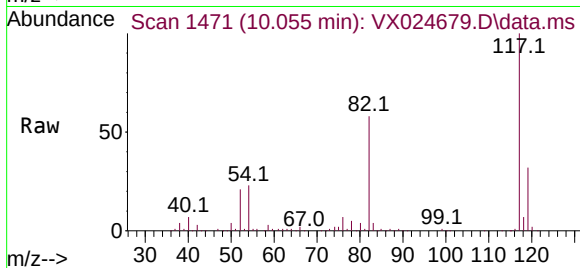




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX024679.D  
Acq: 08 Oct 2021 18:44

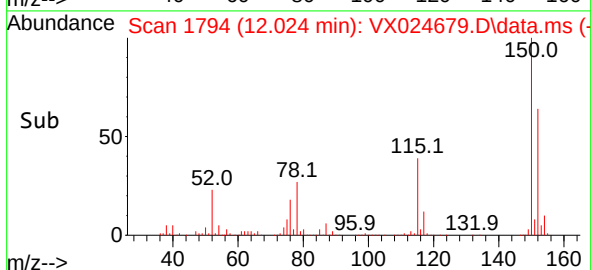
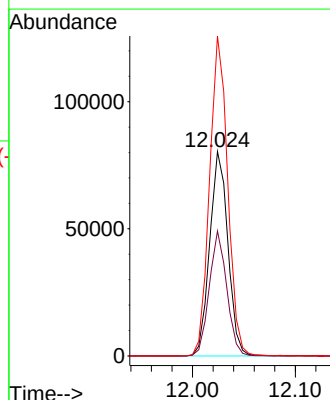
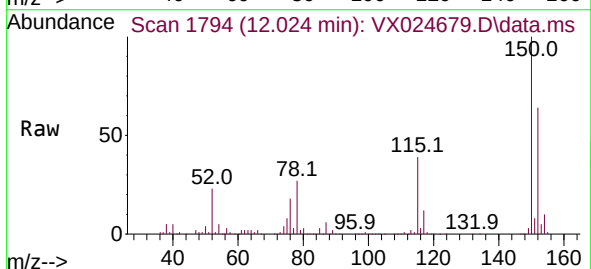
Instrument :  
MSVOA\_X  
ClientSampled :

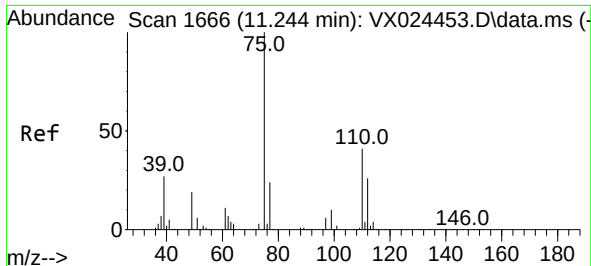
Tgt Ion:117 Resp: 231280  
Ion Ratio Lower Upper  
117 100  
82 57.6 47.4 71.2  
119 32.4 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX024679.D  
Acq: 08 Oct 2021 18:44

Tgt Ion:152 Resp: 99232  
Ion Ratio Lower Upper  
152 100  
115 58.7 41.1 123.3  
150 155.3 0.0 349.0

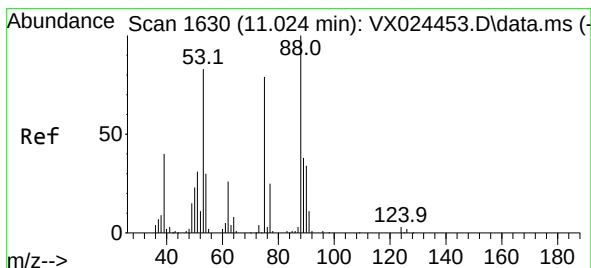
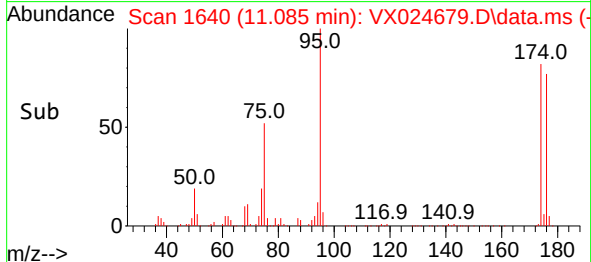
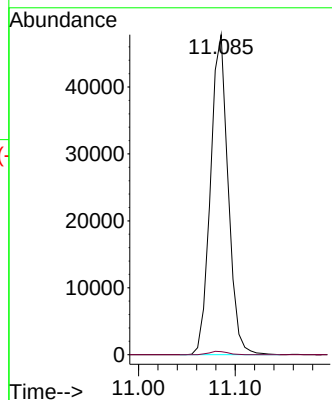
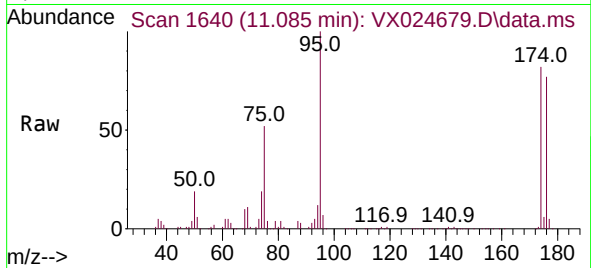




#76  
1,2,3-Trichloropropane  
Concen: 26.917 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX024679.D  
Acq: 08 Oct 2021 18:44

Instrument :  
MSVOA\_X  
ClientSampled :

Tgt Ion: 75 Resp: 60658  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 73.254 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX024679.D  
Acq: 08 Oct 2021 18:44

Tgt Ion: 75 Resp: 60658  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#

