

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011423\  
 Data File : VX033727.D  
 Acq On : 13 Jan 2023 17:05  
 Operator : JC/MD  
 Sample : 01156-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jan 16 05:37:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011123W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 11 14:48:42 2023  
 Response via : Initial Calibration

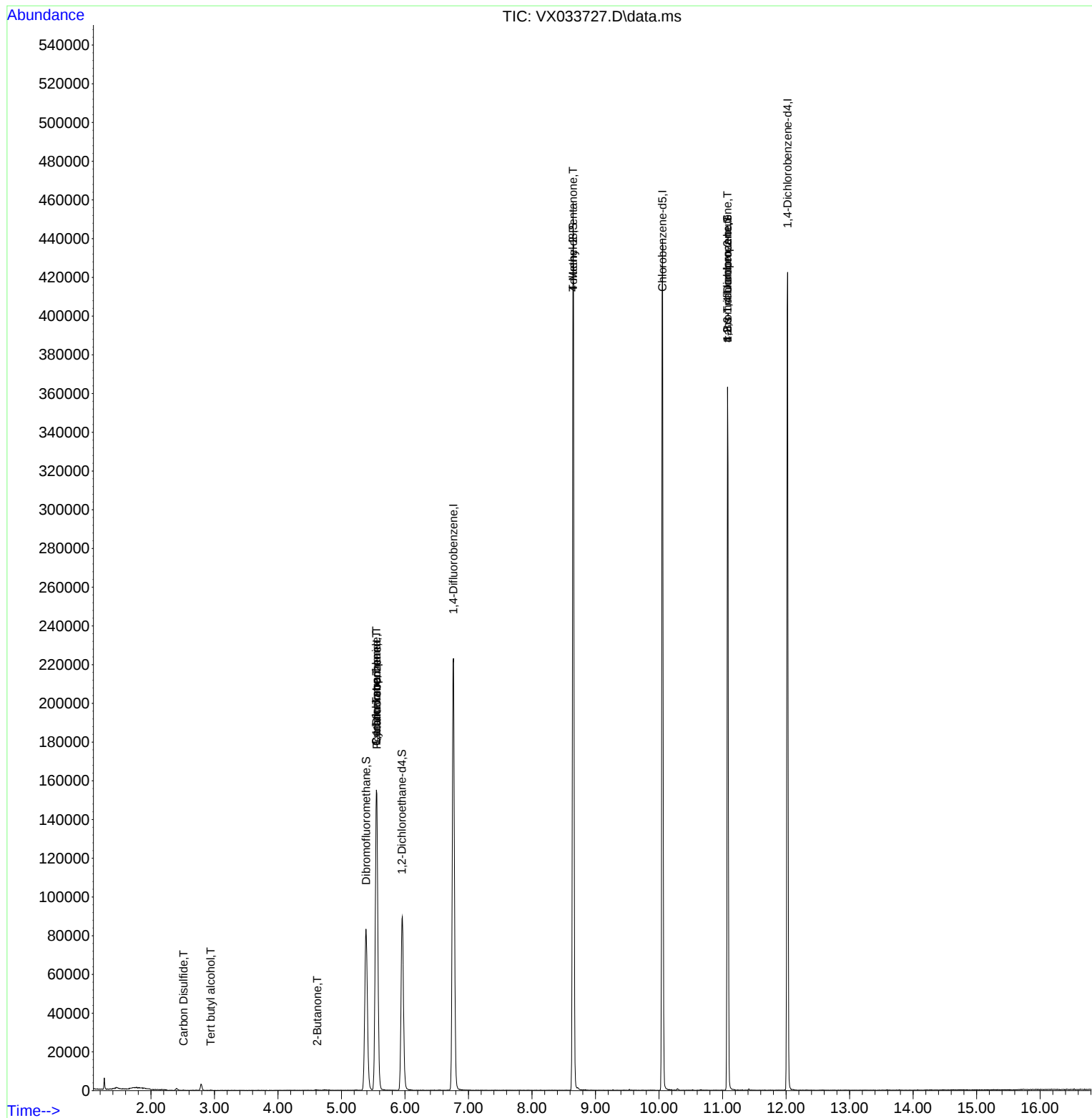
| Compound                      | R.T.   | QIon           | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|--------|----------------|----------|------------|--------|----------|
| -----                         |        |                |          |            |        |          |
| Internal Standards            |        |                |          |            |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168            | 161900   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114            | 237015   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117            | 209264   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152            | 95802    | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds   |        |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65             | 87467    | 51.311     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 78 - 117 | Recovery | = 102.620% |        |          |
| 35) Dibromofluoromethane      | 5.385  | 113            | 72674    | 49.380     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 75 - 124 | Recovery | = 98.760%  |        |          |
| 50) Toluene-d8                | 8.647  | 98             | 272780   | 50.870     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 92 - 112 | Recovery | = 101.740% |        |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95             | 93692    | 47.060     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 83 - 123 | Recovery | = 94.120%  |        |          |
| Target Compounds              |        |                |          |            |        |          |
|                               |        |                |          |            | Qvalue |          |
| 11) Tert butyl alcohol        | 2.941  | 59             | 90       | 0.304      | ug/l # | 86       |
| 16) Acetone                   | 2.404  | 43             | 1614     | Below Cal  |        | 98       |
| 17) Carbon Disulfide          | 2.514  | 76             | 186      | 1.876      | ug/l # | 76       |
| 20) Methylene Chloride        | 2.794  | 84             | 1488     | Below Cal  |        | 91       |
| 25) 2-Butanone                | 4.617  | 43             | 557      | 0.500      | ug/l # | 51       |
| 31) Cyclohexane               | 5.550  | 56             | 2716     | 1.083      | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550  | 75             | 10758    | 5.009      | ug/l # | 48       |
| 37) Ethyl Acetate             | 4.739  | 43             | 984      | Below Cal  | #      | 71       |
| 38) Carbon Tetrachloride      | 5.550  | 117            | 14585    | 6.556      | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43             | 1150     | 0.552      | ug/l # | 1        |
| 73) Isopropylbenzene          | 11.085 | 105            | 76       | Below Cal  | #      | 48       |
| 75) 1,1,2,2-Tetrachloroethane | 11.085 | 83             | 64       | Below Cal  | #      | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75             | 45504    | 25.851     | ug/l # | 34       |
| 79) 2-Chlorotoluene           | 11.457 | 91             | 60       | Below Cal  |        | 92       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75             | 45504    | 80.343     | ug/l # | 8        |
| 82) 4-Chlorotoluene           | 11.457 | 91             | 60       | Below Cal  |        | 100      |
| -----                         |        |                |          |            |        |          |

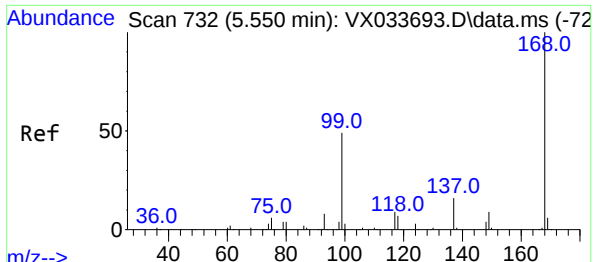
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011423\  
Data File : VX033727.D  
Acq On : 13 Jan 2023 17:05  
Operator : JC/MD  
Sample : 01156-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

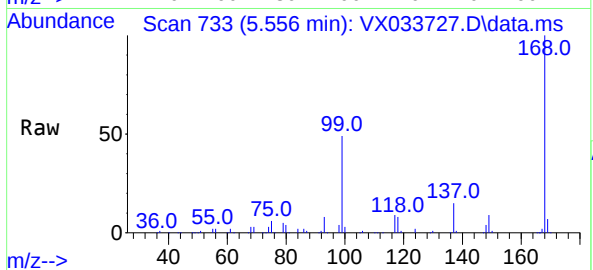
Quant Time: Jan 16 05:37:58 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011123W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 11 14:48:42 2023  
Response via : Initial Calibration



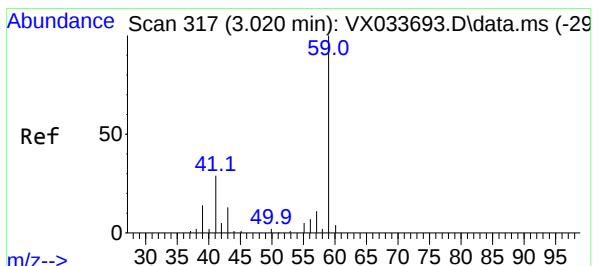
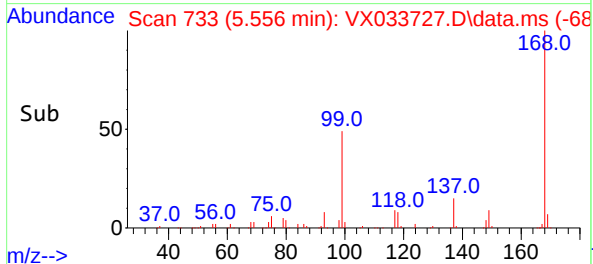
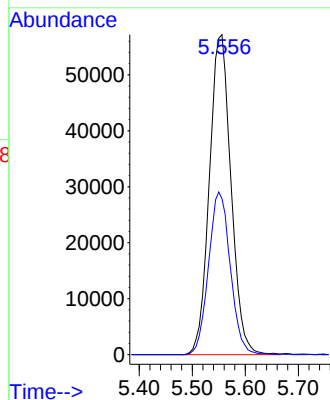


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX033727.D  
Acq: 13 Jan 2023 17:05

Instrument :  
MSVOA\_X  
ClientSampleId :

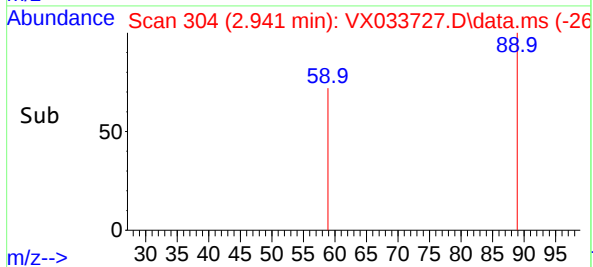
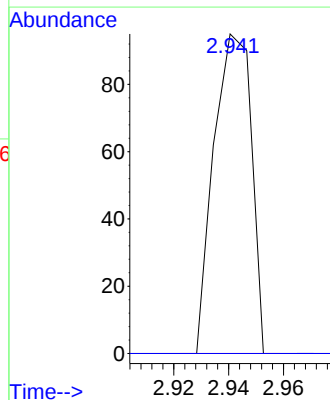
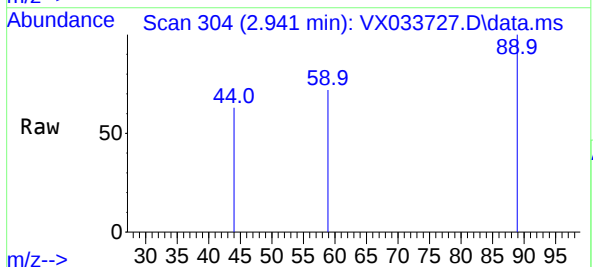


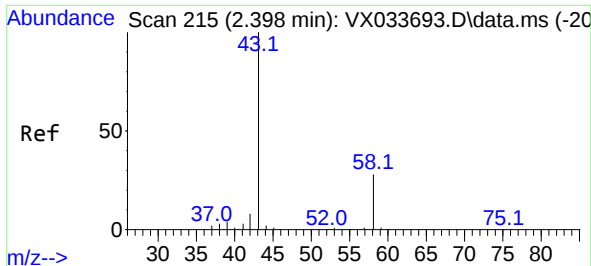
Tgt Ion:168 Resp: 161900  
Ion Ratio Lower Upper  
168 100  
99 48.7 39.6 59.4



#11  
Tert butyl alcohol  
Concen: 0.304 ug/l  
RT: 2.941 min Scan# 304  
Delta R.T. -0.079 min  
Lab File: VX033727.D  
Acq: 13 Jan 2023 17:05

Tgt Ion: 59 Resp: 90  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.7 5.5#

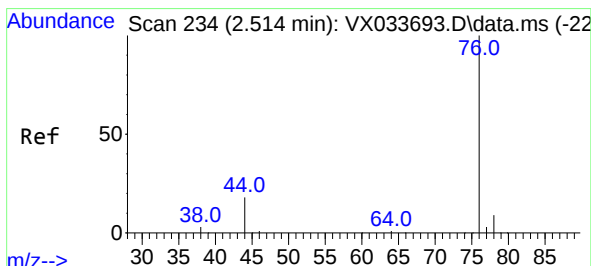
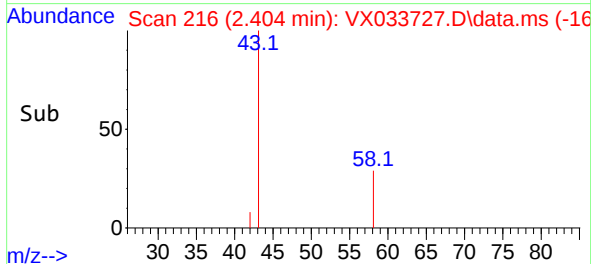
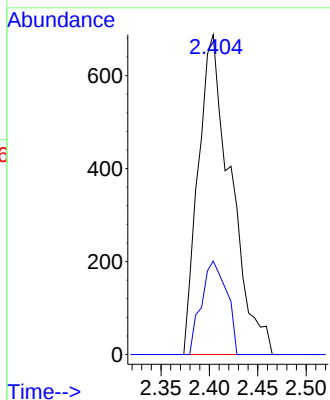
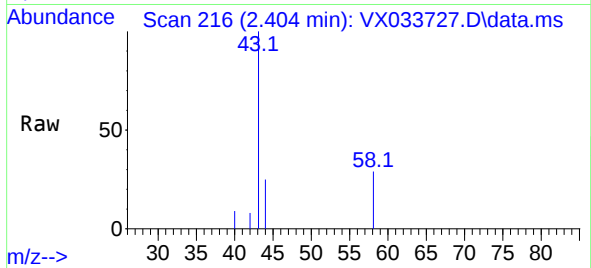




#16  
Acetone  
Concen: Below Cal  
RT: 2.404 min Scan# 215  
Delta R.T. 0.006 min  
Lab File: VX033727.D  
Acq: 13 Jan 2023 17:05

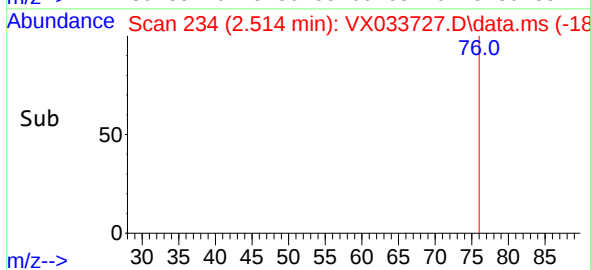
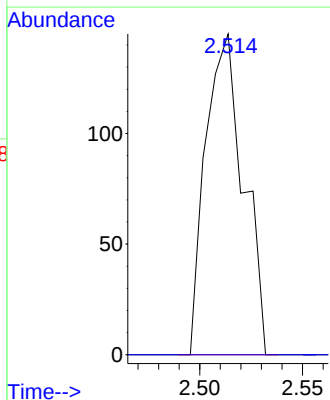
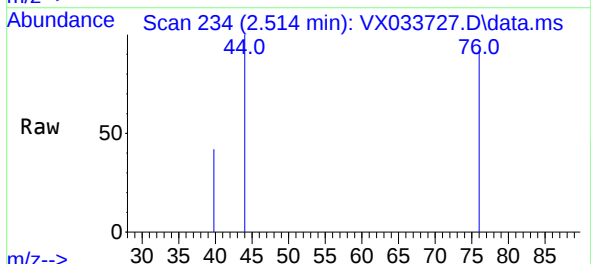
Instrument :  
MSVOA\_X  
ClientSampleId :

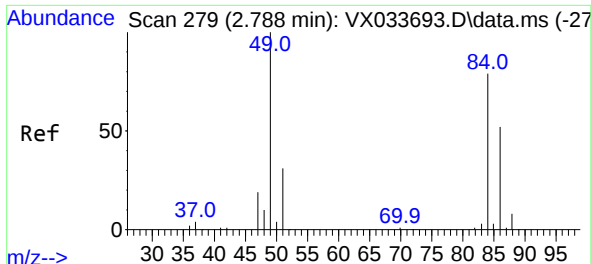
Tgt Ion: 43 Resp: 1614  
Ion Ratio Lower Upper  
43 100  
58 29.2 22.6 33.8



#17  
Carbon Disulfide  
Concen: 1.876 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. -0.000 min  
Lab File: VX033727.D  
Acq: 13 Jan 2023 17:05

Tgt Ion: 76 Resp: 186  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.0 10.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX033727.D

Acq: 13 Jan 2023 17:05

Instrument :

MSVOA\_X

ClientSampleId :

Tgt Ion: 84 Resp: 1488

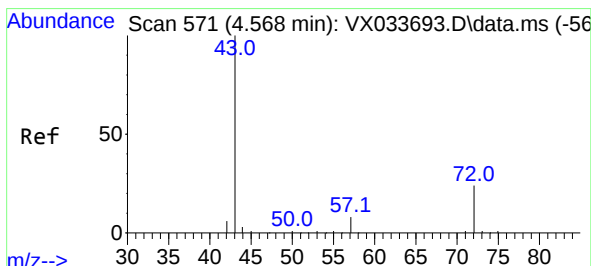
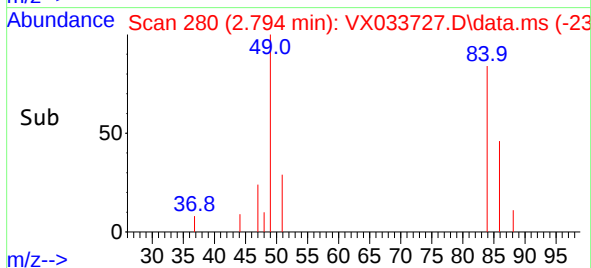
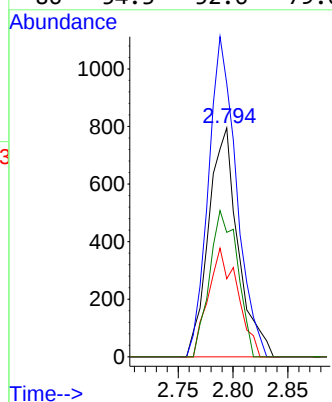
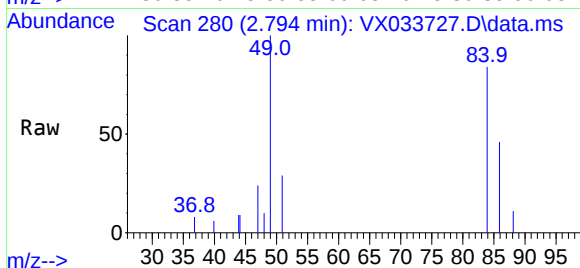
Ion Ratio Lower Upper

84 100

49 119.4 101.1 151.7

51 34.1 31.0 46.6

86 54.3 52.6 79.0



#25

2-Butanone

Concen: 0.500 ug/l

RT: 4.617 min Scan# 579

Delta R.T. 0.049 min

Lab File: VX033727.D

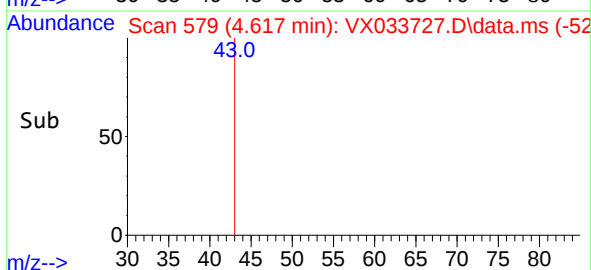
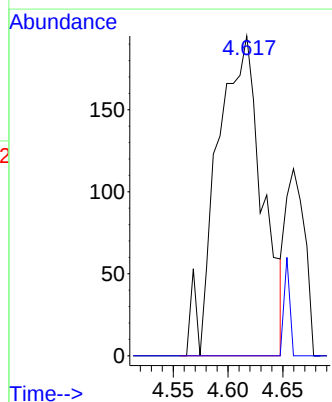
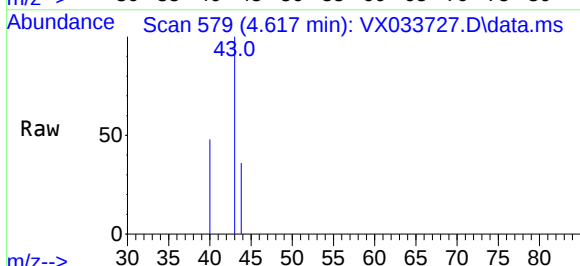
Acq: 13 Jan 2023 17:05

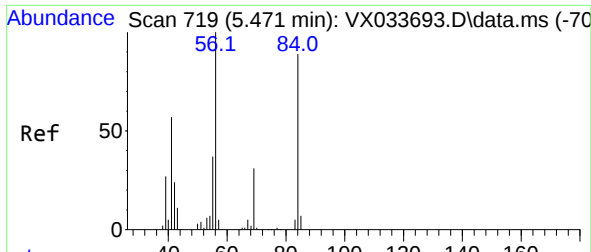
Tgt Ion: 43 Resp: 557

Ion Ratio Lower Upper

43 100

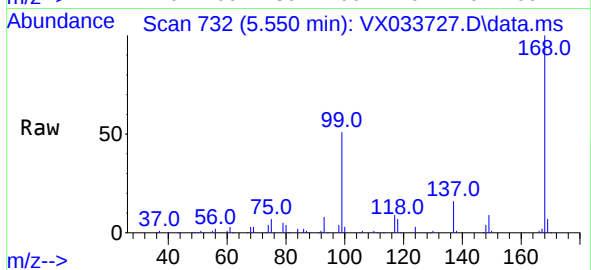
72 0.0 19.4 29.2#



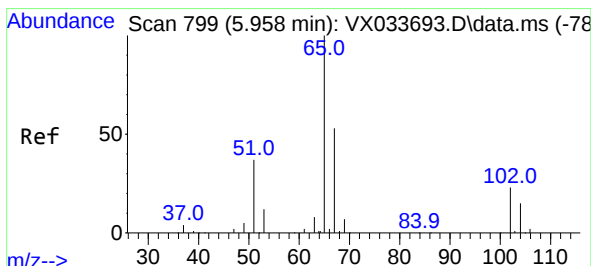
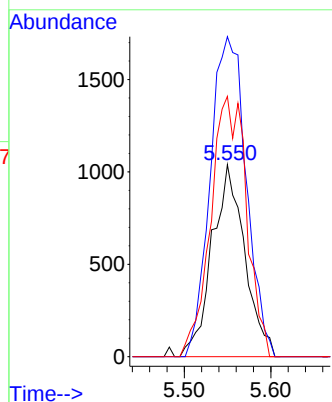
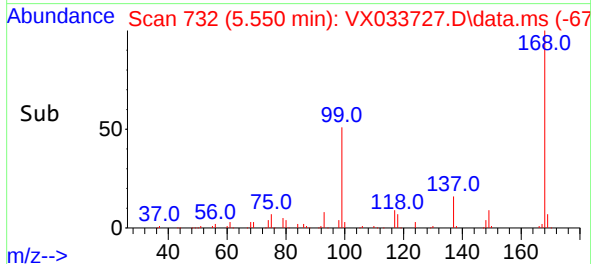


#31  
Cyclohexane  
Concen: 1.083 ug/l  
RT: 5.550 min Scan# 719  
Delta R.T. 0.079 min  
Lab File: VX033727.D  
Acq: 13 Jan 2023 17:05

Instrument :  
MSVOA\_X  
ClientSampleId :

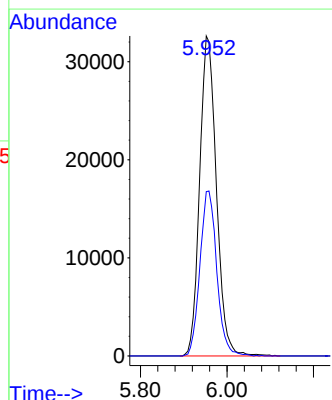
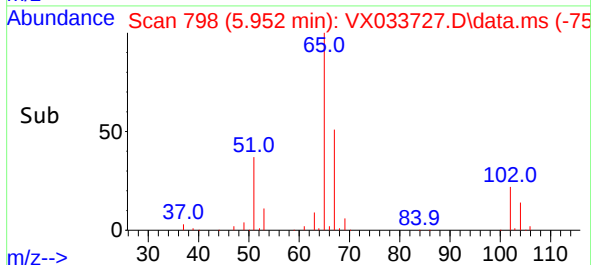
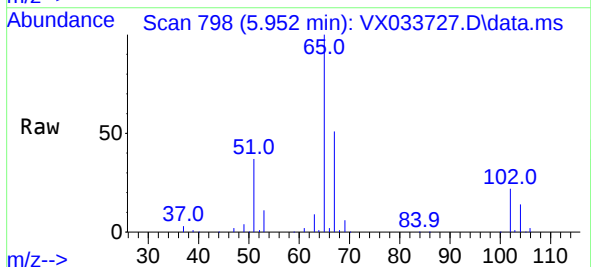


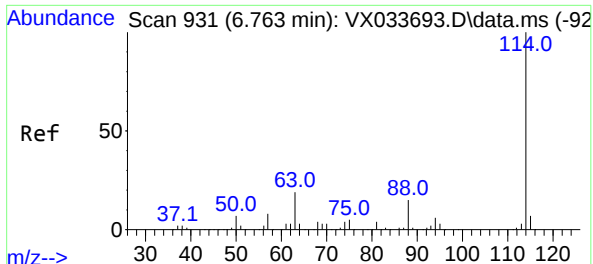
Tgt Ion: 56 Resp: 2716  
Ion Ratio Lower Upper  
56 100  
69 166.7 24.6 37.0#  
84 135.6 71.0 106.6#



#33  
1,2-Dichloroethane-d4  
Concen: 51.311 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.006 min  
Lab File: VX033727.D  
Acq: 13 Jan 2023 17:05

Tgt Ion: 65 Resp: 87467  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 104.8

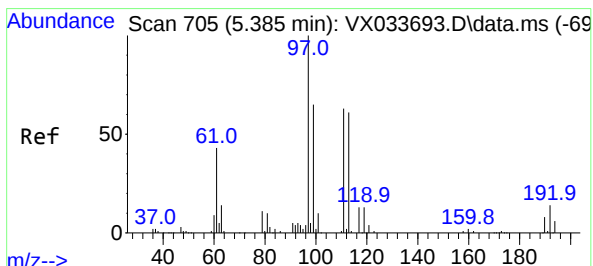
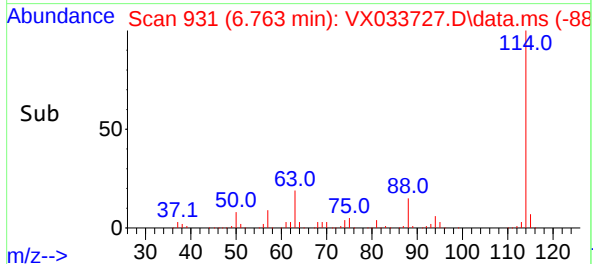
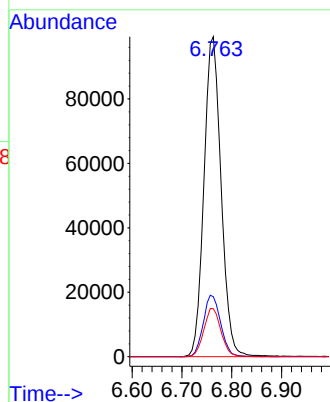
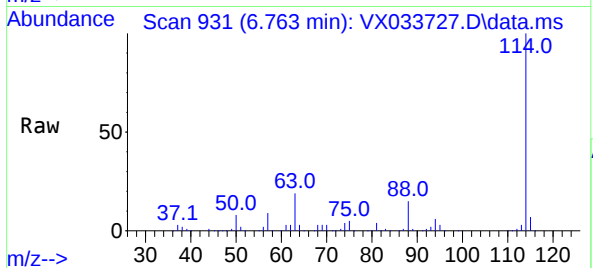




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX033727.D  
Acq: 13 Jan 2023 17:05

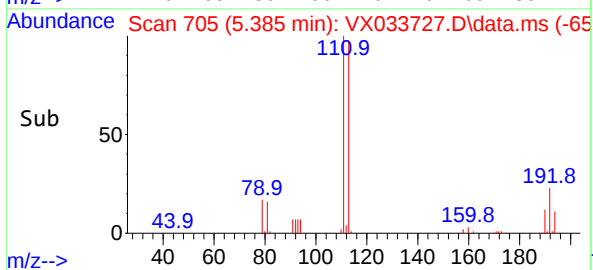
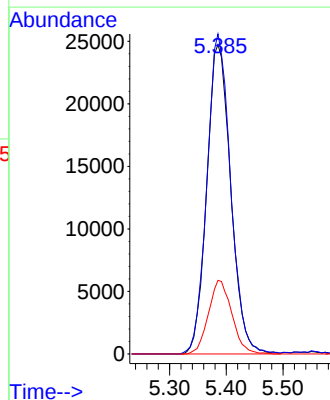
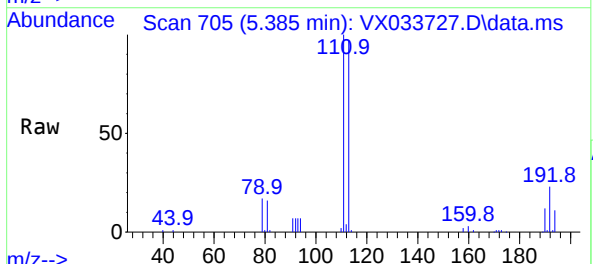
Instrument :  
MSVOA\_X  
ClientSampleId :

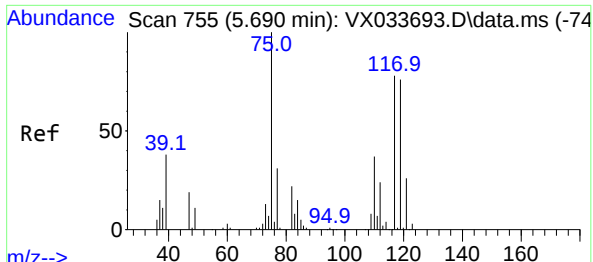
Tgt Ion:114 Resp: 237015  
Ion Ratio Lower Upper  
114 100  
63 18.8 0.0 37.4  
88 15.0 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 49.380 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX033727.D  
Acq: 13 Jan 2023 17:05

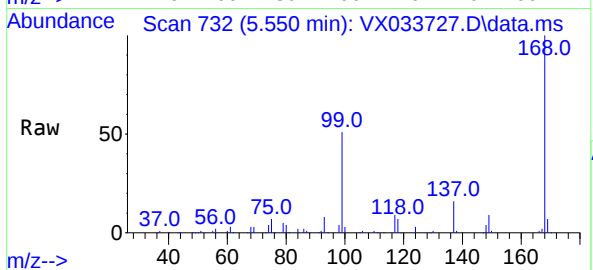
Tgt Ion:113 Resp: 72674  
Ion Ratio Lower Upper  
113 100  
111 102.2 83.0 124.6  
192 23.2 19.0 28.4



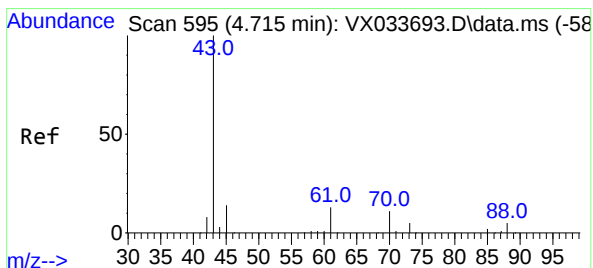
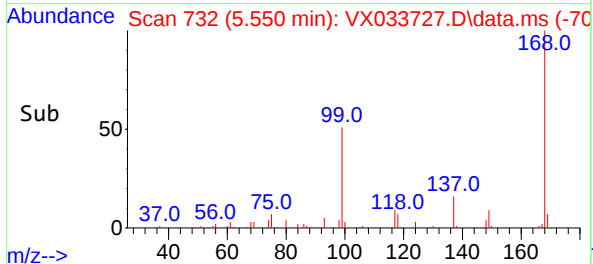
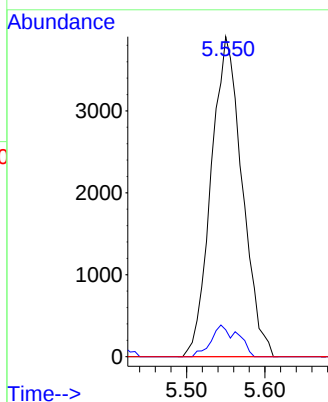


#36  
1,1-Dichloropropene  
Concen: 5.009 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.140 min  
Lab File: VX033727.D  
Acq: 13 Jan 2023 17:05

Instrument :  
MSVOA\_X  
ClientSampleId :

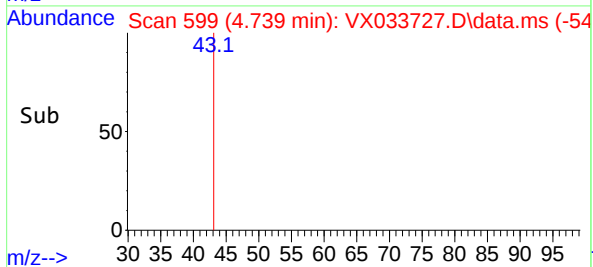
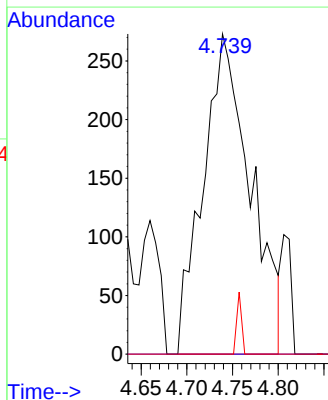
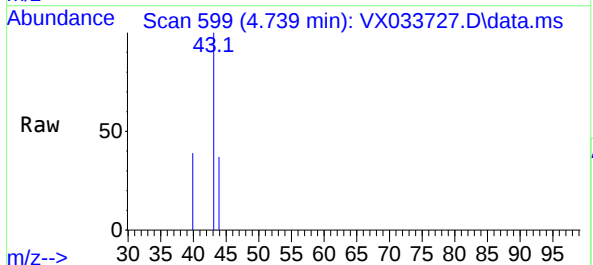


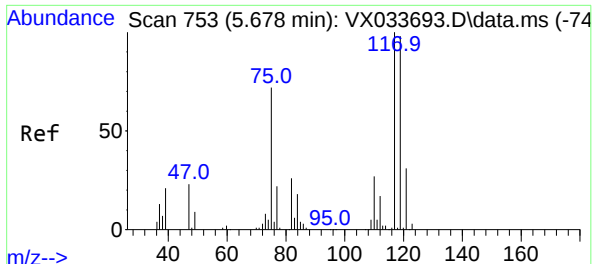
Tgt Ion: 75 Resp: 10758  
Ion Ratio Lower Upper  
75 100  
110 8.5 18.8 56.4#  
77 0.0 25.1 37.7#



#37  
Ethyl Acetate  
Concen: Below Cal  
RT: 4.739 min Scan# 599  
Delta R.T. 0.024 min  
Lab File: VX033727.D  
Acq: 13 Jan 2023 17:05

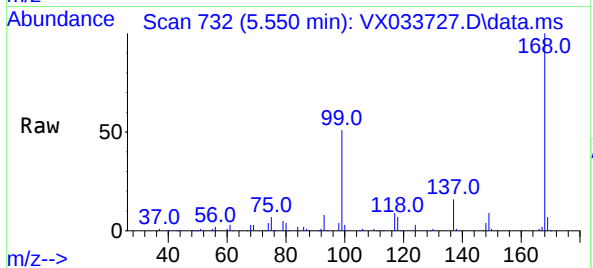
Tgt Ion: 43 Resp: 984  
Ion Ratio Lower Upper  
43 100  
61 0.0 11.1 16.7#  
70 1.9 8.5 12.7#



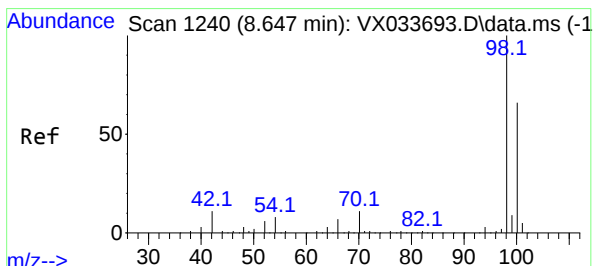
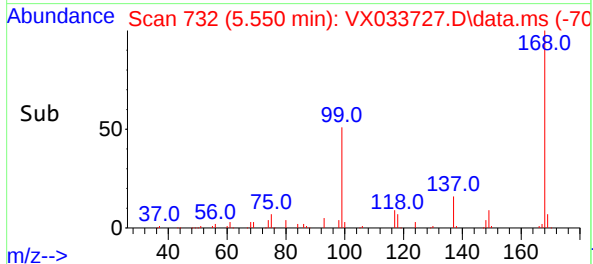
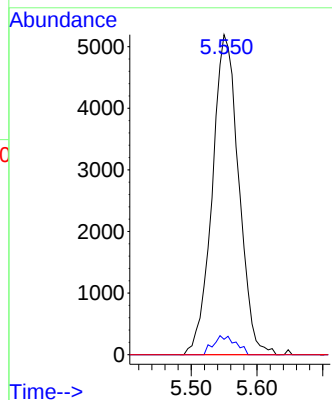


#38  
Carbon Tetrachloride  
Concen: 6.556 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX033727.D  
Acq: 13 Jan 2023 17:05

Instrument :  
MSVOA\_X  
ClientSampleId :

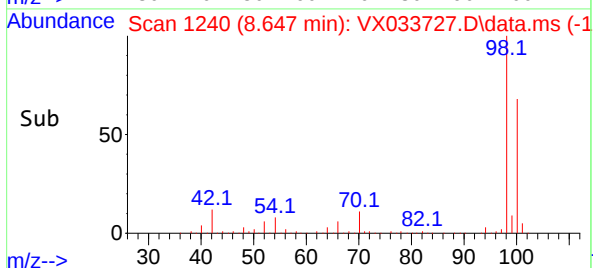
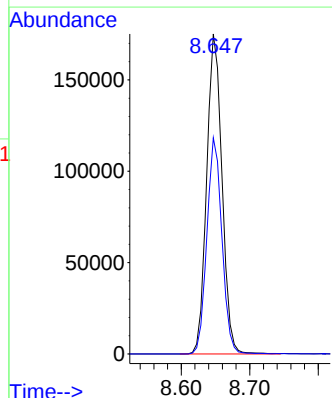
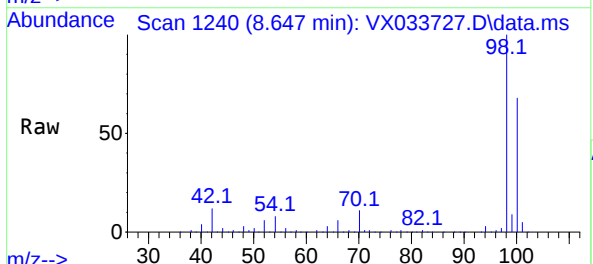


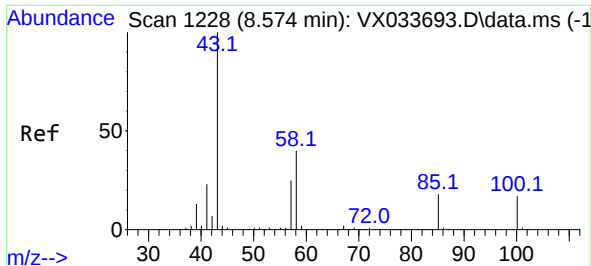
Tgt Ion:117 Resp: 14585  
Ion Ratio Lower Upper  
117 100  
119 4.8 78.0 117.0#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 50.870 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX033727.D  
Acq: 13 Jan 2023 17:05

Tgt Ion: 98 Resp: 272780  
Ion Ratio Lower Upper  
98 100  
100 66.2 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 0.552 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX033727.D

Acq: 13 Jan 2023 17:05

Instrument :

MSVOA\_X

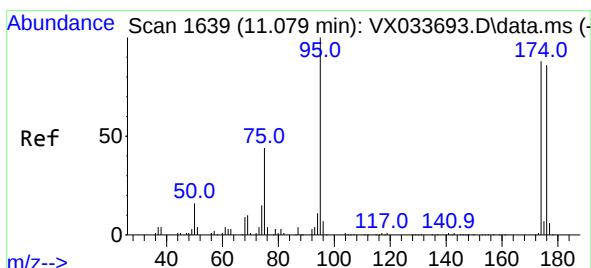
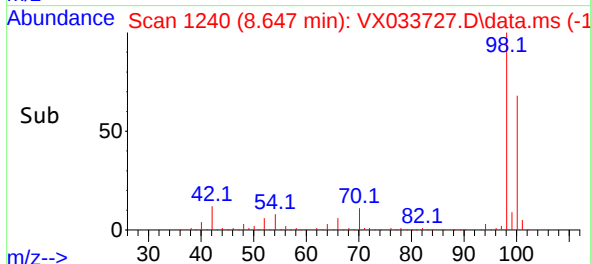
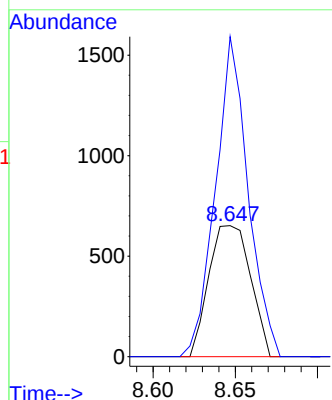
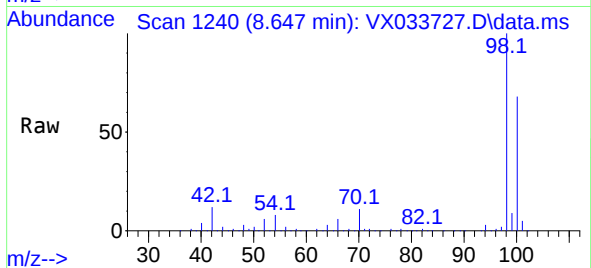
ClientSampleId :

Tgt Ion: 43 Resp: 1150

Ion Ratio Lower Upper

43 100

58 191.3 31.2 46.8#



#62

4-Bromofluorobenzene

Concen: 47.060 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX033727.D

Acq: 13 Jan 2023 17:05

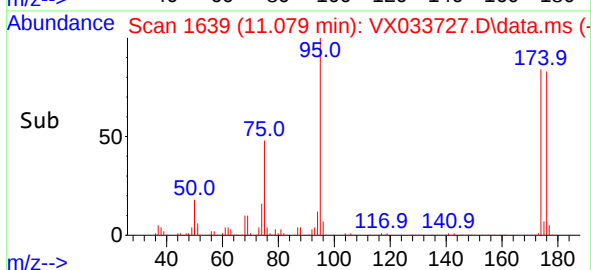
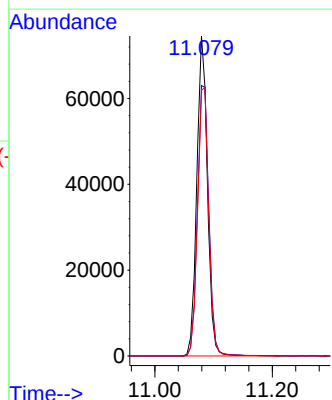
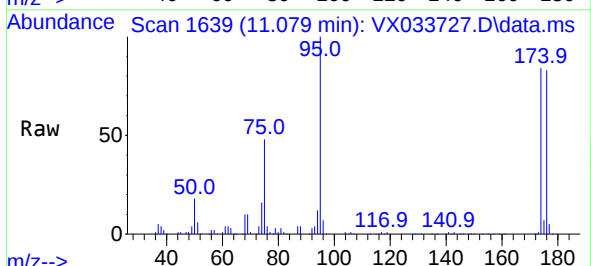
Tgt Ion: 95 Resp: 93692

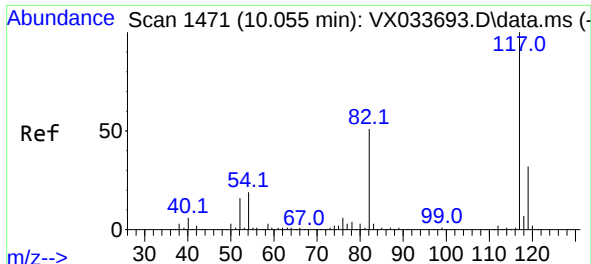
Ion Ratio Lower Upper

95 100

174 90.5 0.0 184.4

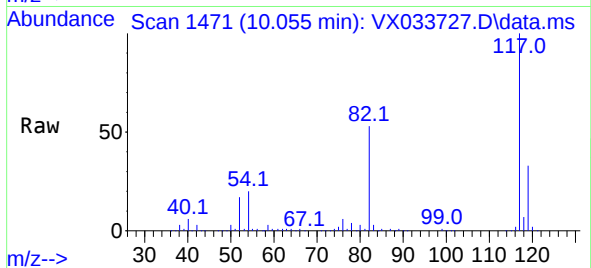
176 88.1 0.0 178.8



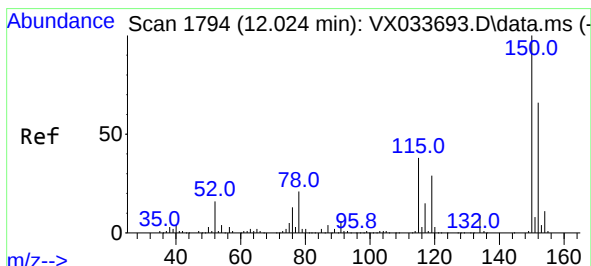
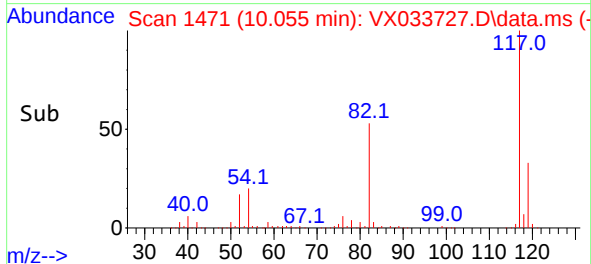
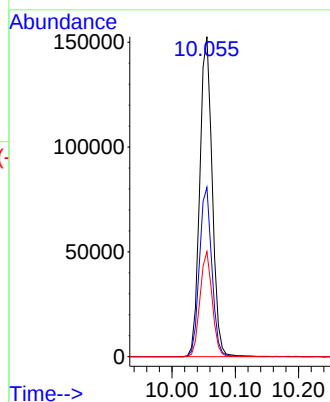


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX033727.D  
Acq: 13 Jan 2023 17:05

Instrument :  
MSVOA\_X  
ClientSampleId :

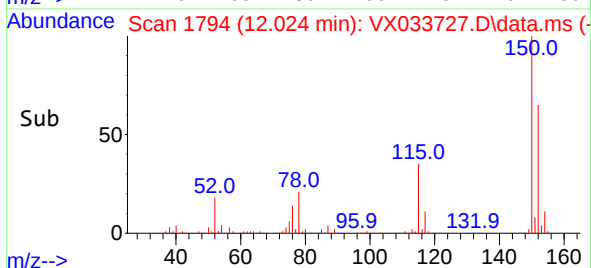
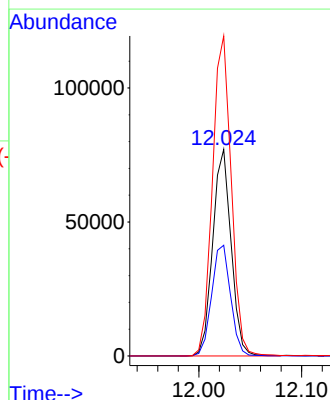
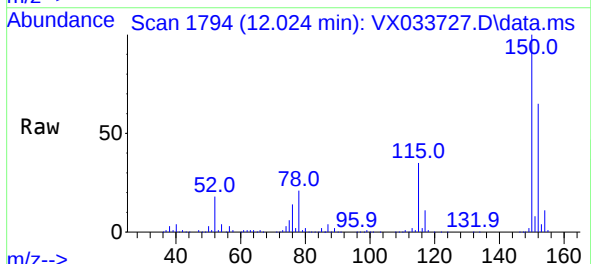


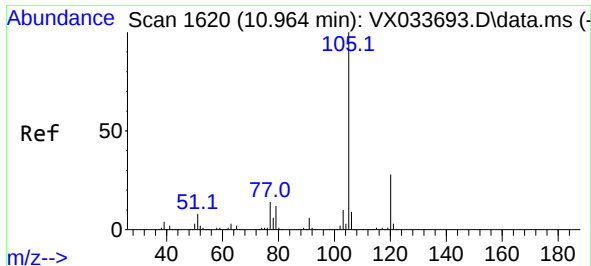
Tgt Ion:117 Resp: 209264  
Ion Ratio Lower Upper  
117 100  
82 52.9 40.6 60.8  
119 32.9 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX033727.D  
Acq: 13 Jan 2023 17:05

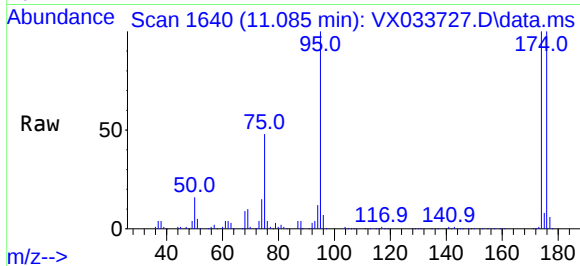
Tgt Ion:152 Resp: 95802  
Ion Ratio Lower Upper  
152 100  
115 55.3 38.7 116.1  
150 158.0 0.0 348.2



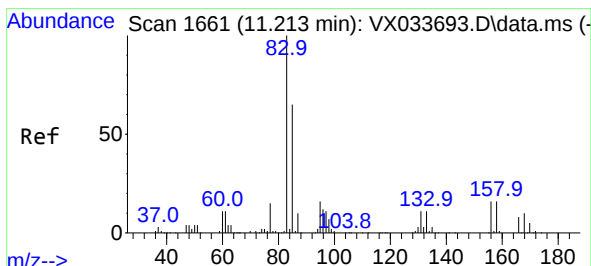
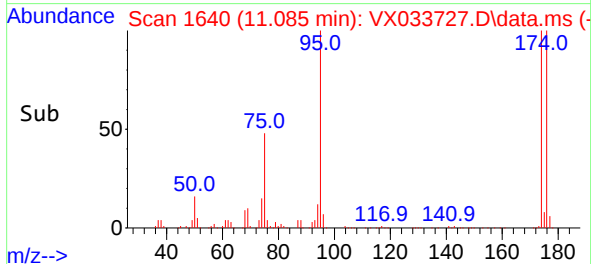
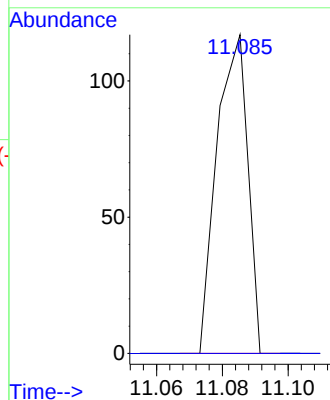


#73  
Isopropylbenzene  
Concen: Below Cal  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.121 min  
Lab File: VX033727.D  
Acq: 13 Jan 2023 17:05

Instrument :  
MSVOA\_X  
ClientSampleId :

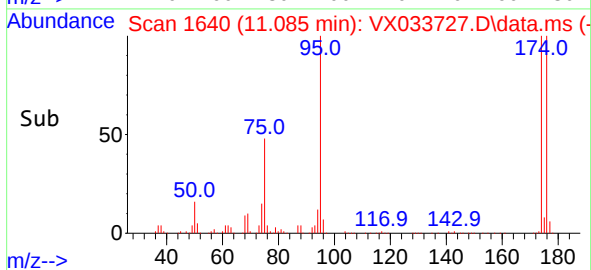
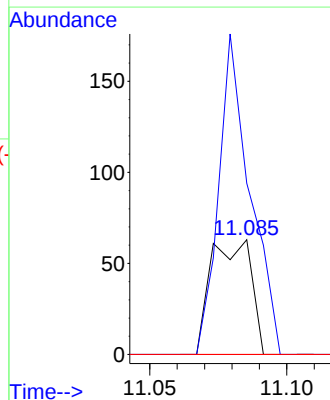
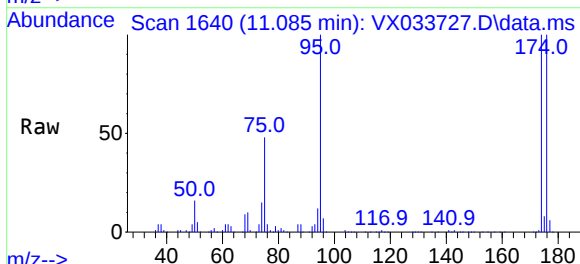


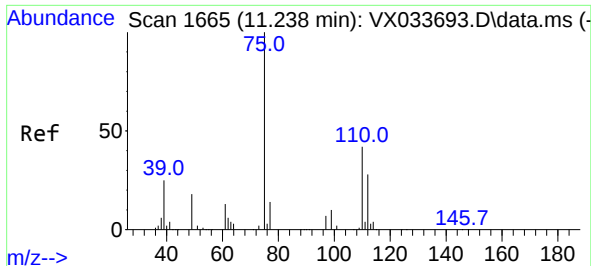
Tgt Ion:105 Resp: 76  
Ion Ratio Lower Upper  
105 100  
120 0.0 13.6 40.8#



#75  
1,1,2,2-Tetrachloroethane  
Concen: Below Cal  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.128 min  
Lab File: VX033727.D  
Acq: 13 Jan 2023 17:05

Tgt Ion: 83 Resp: 64  
Ion Ratio Lower Upper  
83 100  
131 218.8 5.5 16.7#  
85 0.0 32.3 96.9#

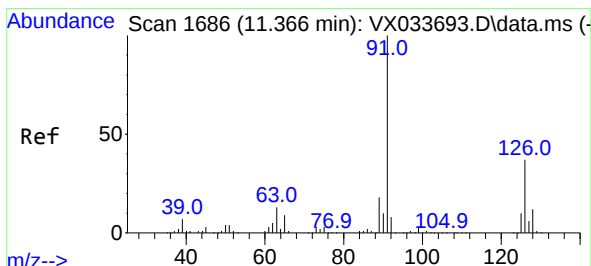
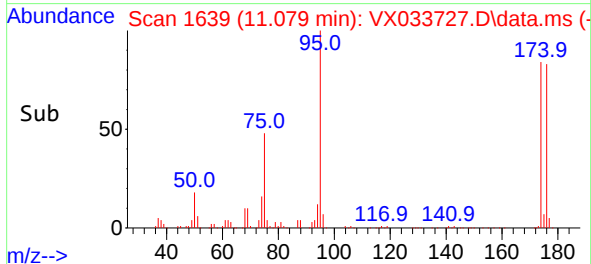
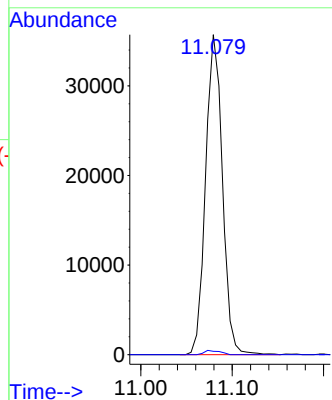
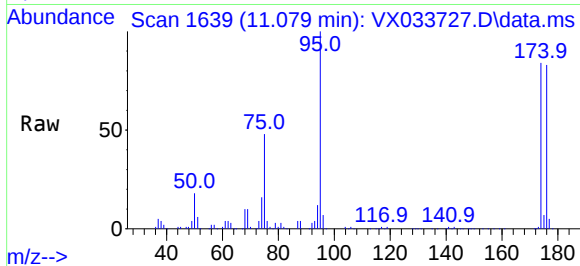




#76  
1,2,3-Trichloropropane  
Concen: 25.851 ug/l  
RT: 11.079 min Scan# 11  
Delta R.T. -0.159 min  
Lab File: VX033727.D  
Acq: 13 Jan 2023 17:05

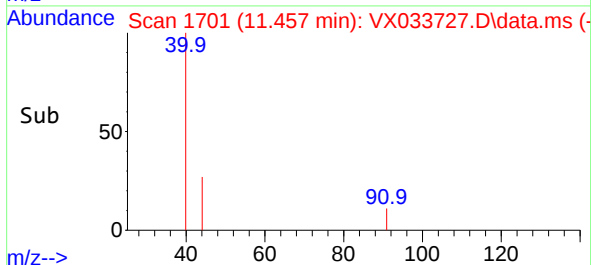
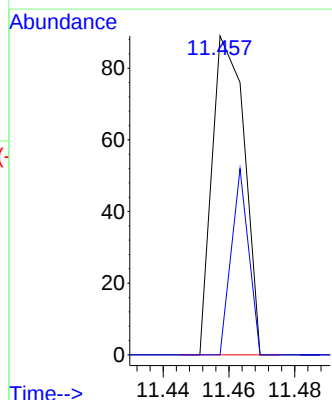
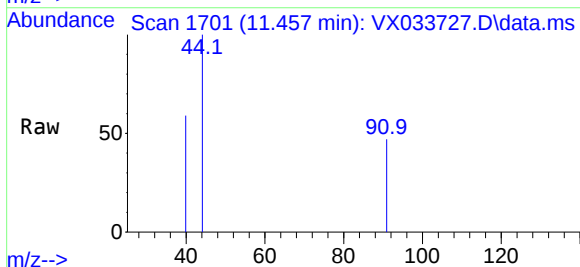
Instrument :  
MSVOA\_X  
ClientSampleId :

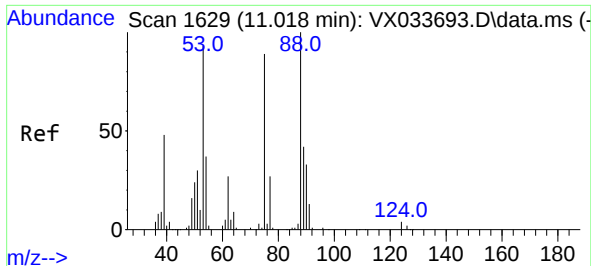
Tgt Ion: 75 Resp: 45504  
Ion Ratio Lower Upper  
75 100  
77 1.3 21.8 65.4#



#79  
2-Chlorotoluene  
Concen: Below Cal  
RT: 11.457 min Scan# 1701  
Delta R.T. 0.091 min  
Lab File: VX033727.D  
Acq: 13 Jan 2023 17:05

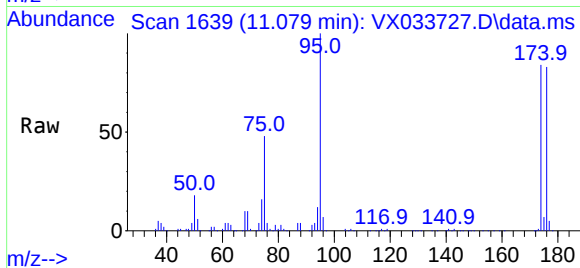
Tgt Ion: 91 Resp: 60  
Ion Ratio Lower Upper  
91 100  
126 31.7 18.1 54.1



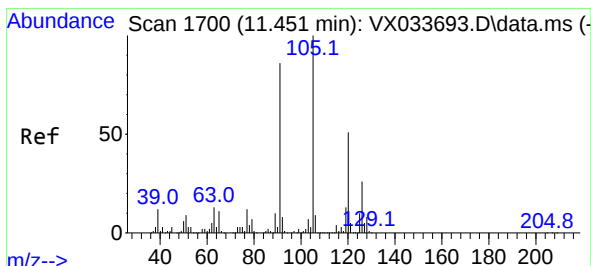
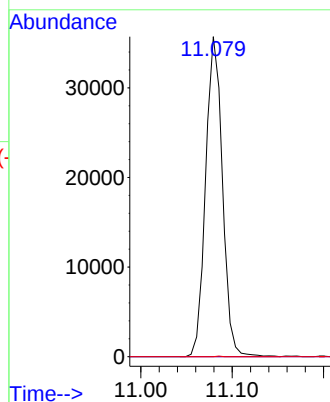
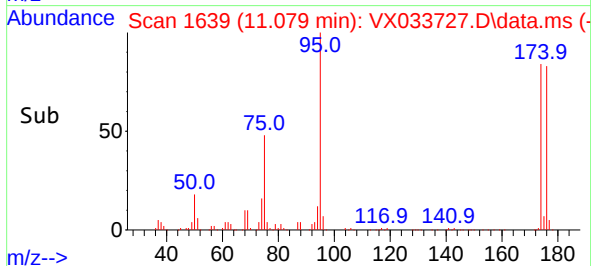


#81  
trans-1,4-Dichloro-2-butene  
Concen: 80.343 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX033727.D  
Acq: 13 Jan 2023 17:05

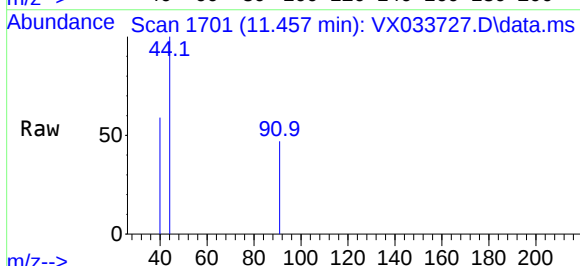
Instrument :  
MSVOA\_X  
ClientSampleId :



Tgt Ion: 75 Resp: 45504  
Ion Ratio Lower Upper  
75 100  
53 0.0 83.0 124.6#  
89 0.1 37.7 56.5#



#82  
4-Chlorotoluene  
Concen: Below Cal  
RT: 11.457 min Scan# 1701  
Delta R.T. 0.006 min  
Lab File: VX033727.D  
Acq: 13 Jan 2023 17:05



Tgt Ion: 91 Resp: 60  
Ion Ratio Lower Upper  
91 100  
126 31.7 15.8 47.4

