

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX080323\  
 Data File : VX036790.D  
 Acq On : 03 Aug 2023 11:19  
 Operator : JC/MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 IBLK

Quant Time: Aug 04 07:31:30 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072123W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 21 12:14:12 2023  
 Response via : Initial Calibration

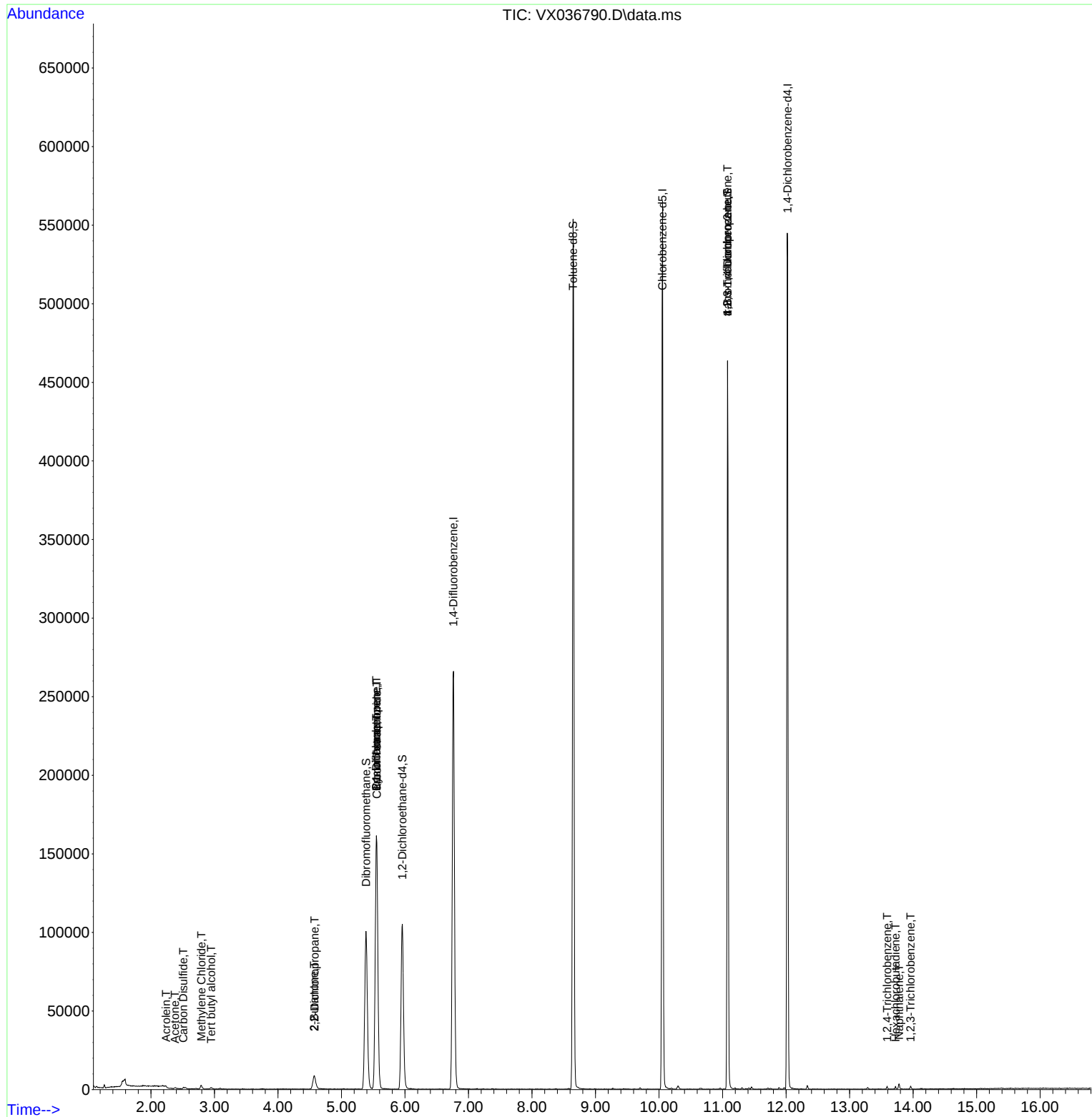
| Compound                      | R.T.   | QIon           | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|---------|----------|
| -----                         |        |                |          |        |         |          |
| Internal Standards            |        |                |          |        |         |          |
| 1) Pentafluorobenzene         | 5.550  | 168            | 152519   | 50.000 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114            | 273365   | 50.000 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117            | 252438   | 50.000 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152            | 111700   | 50.000 | ug/l    | 0.00     |
| System Monitoring Compounds   |        |                |          |        |         |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65             | 102199   | 45.286 | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 | Range 78 - 117 | Recovery | =      | 90.580% |          |
| 35) Dibromofluoromethane      | 5.385  | 113            | 87326    | 46.476 | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 | Range 75 - 124 | Recovery | =      | 92.960% |          |
| 50) Toluene-d8                | 8.647  | 98             | 327696   | 49.180 | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 | Range 92 - 112 | Recovery | =      | 98.360% |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95             | 122083   | 48.563 | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 | Range 83 - 123 | Recovery | =      | 97.120% |          |
| Target Compounds              |        |                |          |        |         |          |
|                               |        |                |          |        | Qvalue  |          |
| 11) Tert butyl alcohol        | 2.946  | 59             | 649      | 1.215  | ug/l #  | 78       |
| 13) Acrolein                  | 2.239  | 56             | 403      | 1.322  | ug/l #  | 67       |
| 16) Acetone                   | 2.380  | 43             | 901      | 0.962  | ug/l    | 90       |
| 17) Carbon Disulfide          | 2.508  | 76             | 1024     | 0.217  | ug/l #  | 92       |
| 20) Methylene Chloride        | 2.794  | 84             | 1207     | 0.580  | ug/l #  | 86       |
| 25) 2-Butanone                | 4.568  | 43             | 716      | 0.471  | ug/l #  | 51       |
| 26) 2,2-Dichloropropane       | 4.574  | 77             | 708      | 0.210  | ug/l #  | 54       |
| 31) Cyclohexane               | 5.550  | 56             | 3484     | 1.115  | ug/l #  | 1        |
| 36) 1,1-Dichloropropene       | 5.550  | 75             | 12529    | 4.474  | ug/l #  | 50       |
| 38) Carbon Tetrachloride      | 5.556  | 117            | 16364    | 5.496  | ug/l #  | 14       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75             | 63384    | 24.125 | ug/l #  | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75             | 63384    | 54.681 | ug/l #  | 5        |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180            | 526      | 0.227  | ug/l #  | 90       |
| 94) Hexachlorobutadiene       | 13.725 | 225            | 258      | 0.269  | ug/l    | 92       |
| 95) Naphthalene               | 13.780 | 128            | 2653     | 0.328  | ug/l    | 95       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180            | 500      | 0.219  | ug/l    | 85       |
| -----                         |        |                |          |        |         |          |

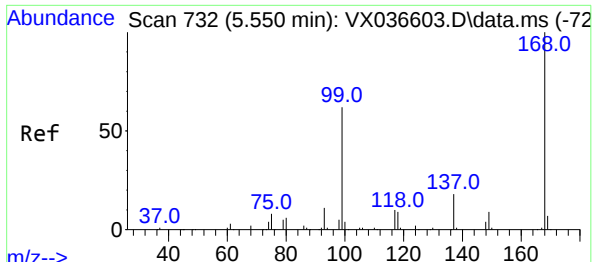
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX080323\  
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Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

Quant Time: Aug 04 07:31:30 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072123W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 21 12:14:12 2023  
Response via : Initial Calibration

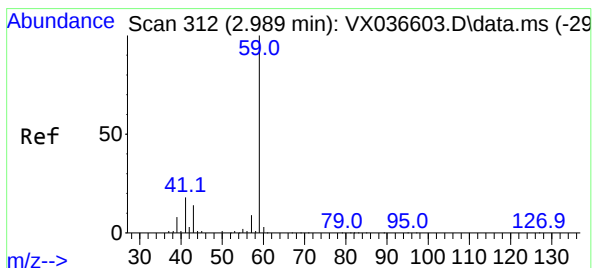
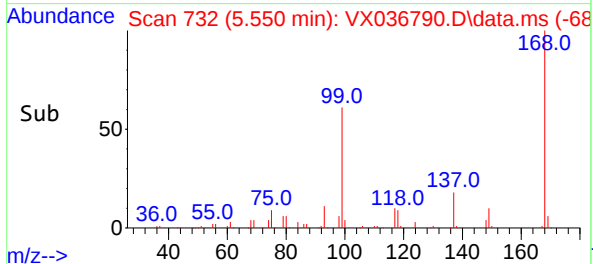
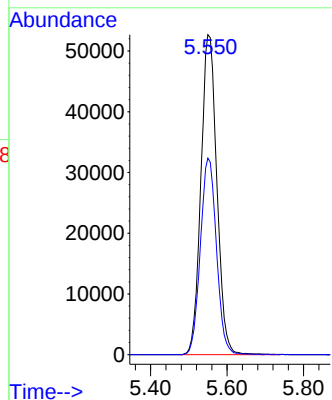
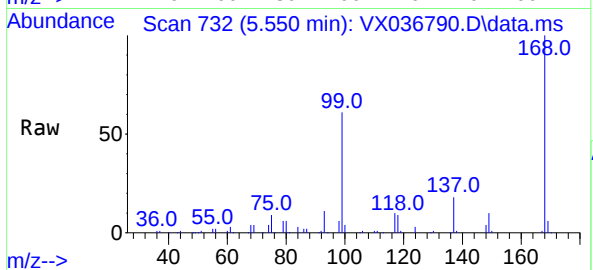




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX036790.D  
Acq: 03 Aug 2023 11:19

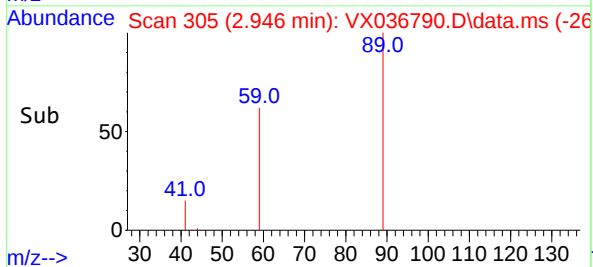
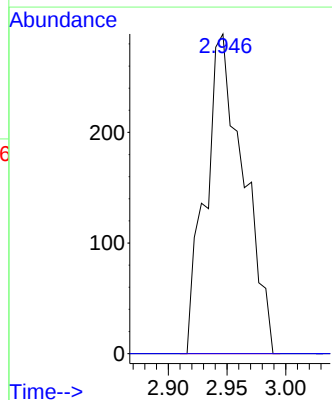
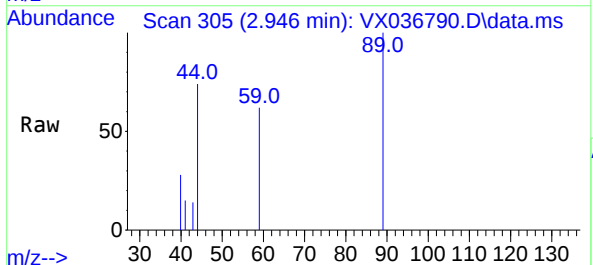
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

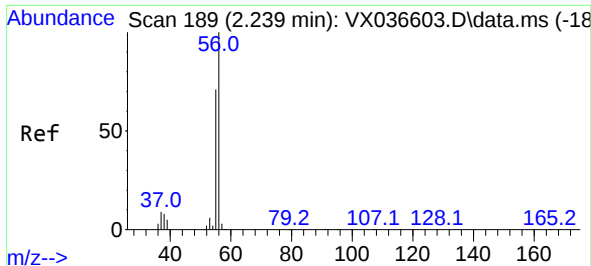
Tgt Ion:168 Resp: 152519  
Ion Ratio Lower Upper  
168 100  
99 61.4 56.6 85.0



#11  
Tert butyl alcohol  
Concen: 1.215 ug/l  
RT: 2.946 min Scan# 305  
Delta R.T. -0.043 min  
Lab File: VX036790.D  
Acq: 03 Aug 2023 11:19

Tgt Ion: 59 Resp: 649  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#

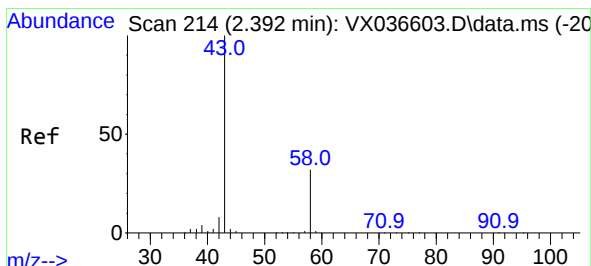
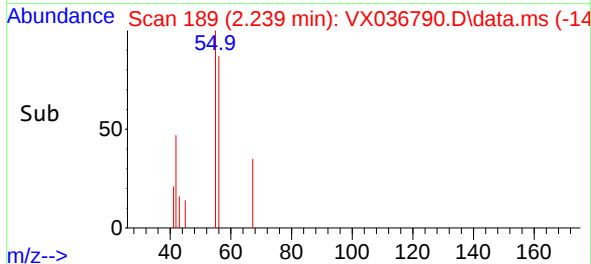
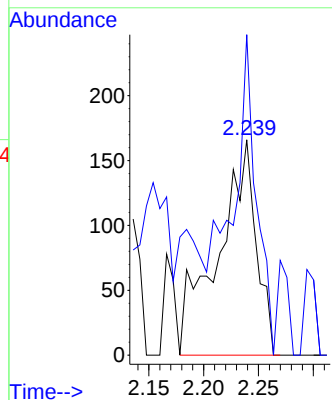
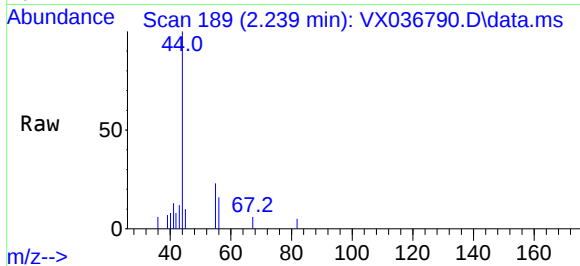




#13  
Acrolein  
Concen: 1.322 ug/l  
RT: 2.239 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX036790.D  
Acq: 03 Aug 2023 11:19

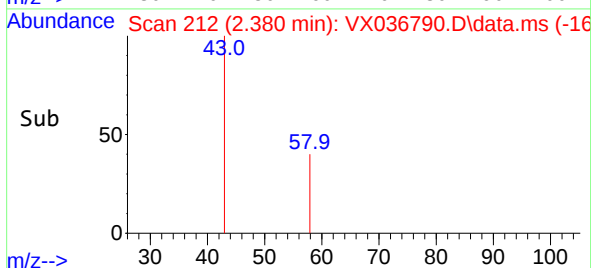
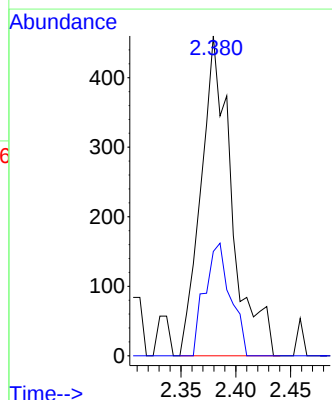
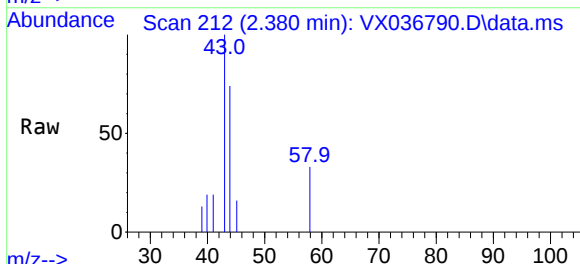
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

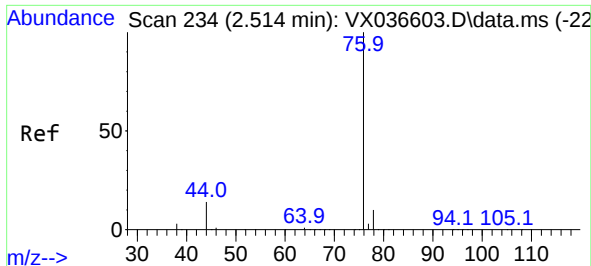
Tgt Ion: 56 Resp: 403  
Ion Ratio Lower Upper  
56 100  
55 98.5 57.1 85.7#



#16  
Acetone  
Concen: 0.962 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.012 min  
Lab File: VX036790.D  
Acq: 03 Aug 2023 11:19

Tgt Ion: 43 Resp: 901  
Ion Ratio Lower Upper  
43 100  
58 32.6 21.9 32.9

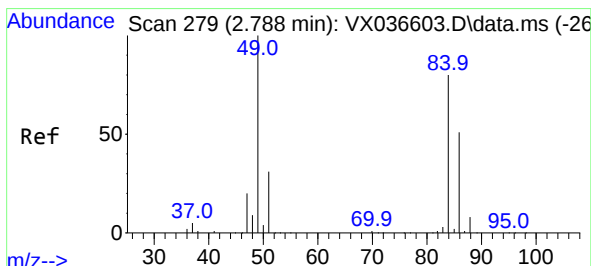
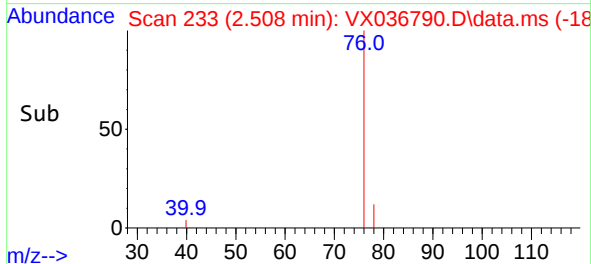
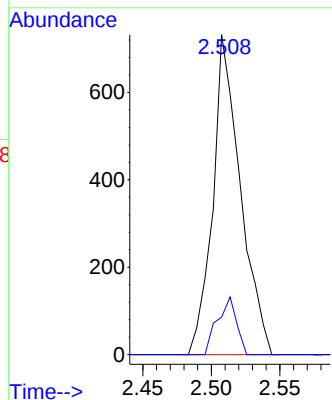
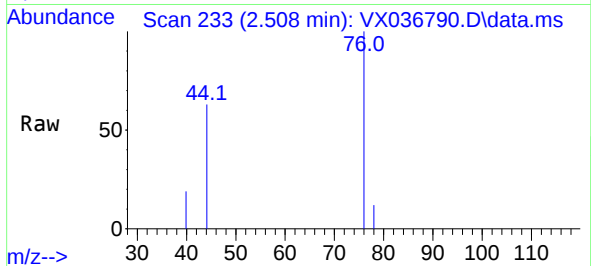




#17  
Carbon Disulfide  
Concen: 0.217 ug/l  
RT: 2.508 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VX036790.D  
Acq: 03 Aug 2023 11:19

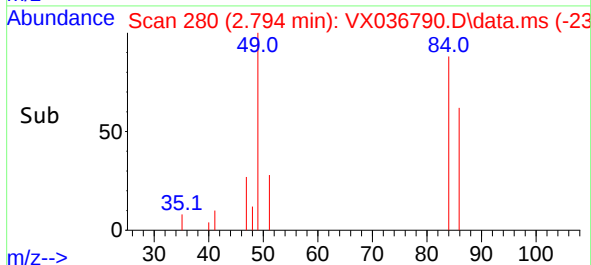
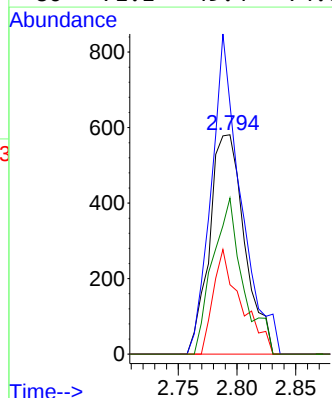
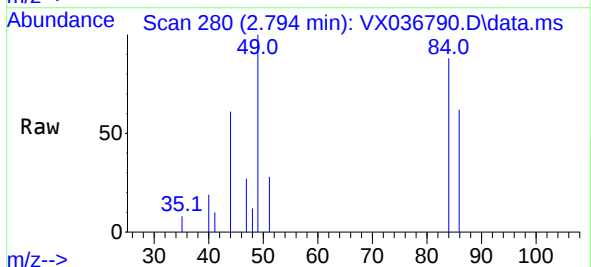
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

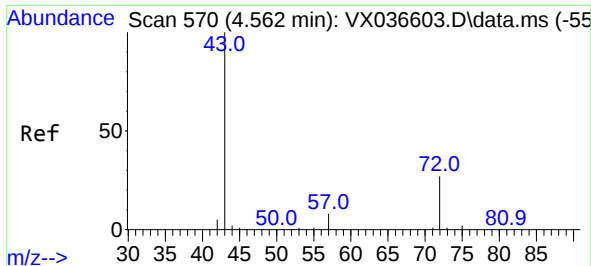
Tgt Ion: 76 Resp: 1024  
Ion Ratio Lower Upper  
76 100  
78 11.7 7.0 10.6#



#20  
Methylene Chloride  
Concen: 0.580 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX036790.D  
Acq: 03 Aug 2023 11:19

Tgt Ion: 84 Resp: 1207  
Ion Ratio Lower Upper  
84 100  
49 114.1 103.6 155.4  
51 31.7 33.8 50.6#  
86 71.1 49.4 74.0

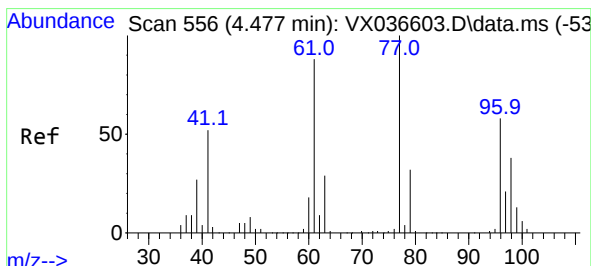
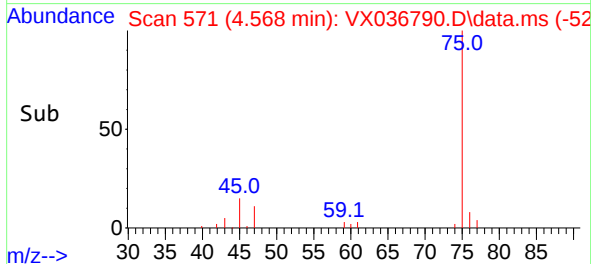
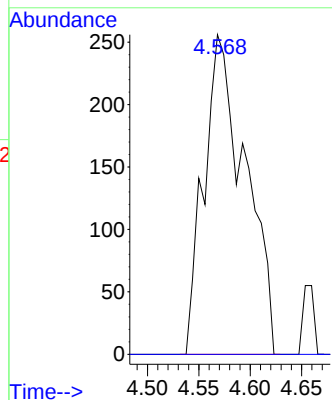
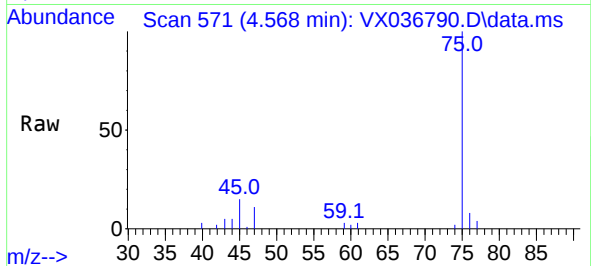




#25  
2-Butanone  
Concen: 0.471 ug/l  
RT: 4.568 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VX036790.D  
Acq: 03 Aug 2023 11:19

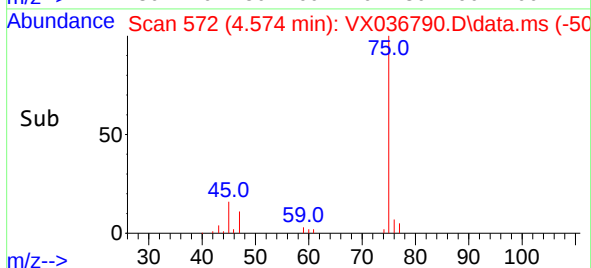
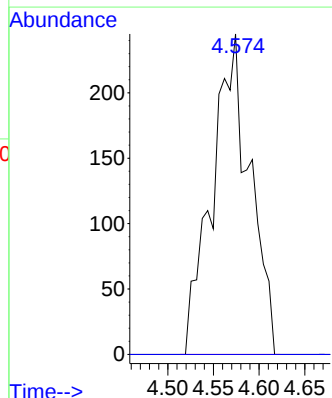
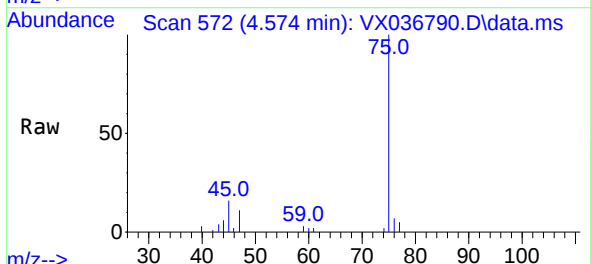
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

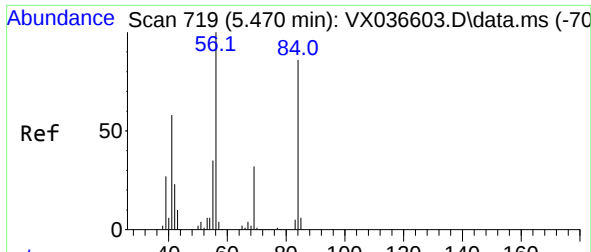
Tgt Ion: 43 Resp: 716  
Ion Ratio Lower Upper  
43 100  
72 0.0 19.4 29.2#



#26  
2,2-Dichloropropane  
Concen: 0.210 ug/l  
RT: 4.574 min Scan# 572  
Delta R.T. 0.097 min  
Lab File: VX036790.D  
Acq: 03 Aug 2023 11:19

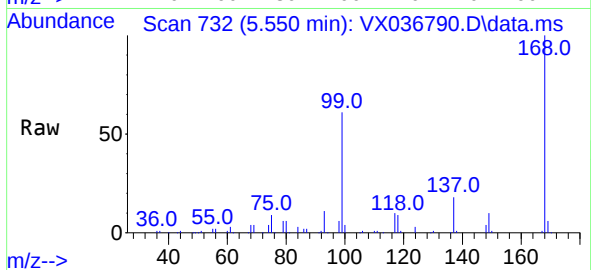
Tgt Ion: 77 Resp: 708  
Ion Ratio Lower Upper  
77 100  
97 0.0 10.8 32.3#



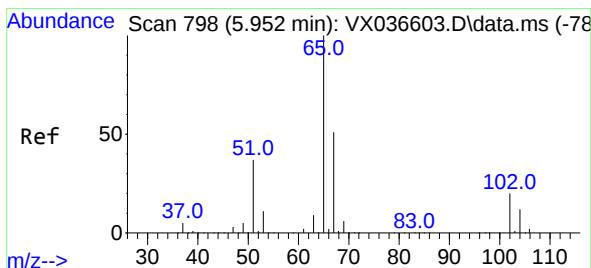
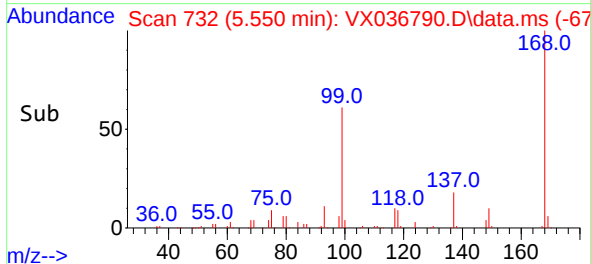
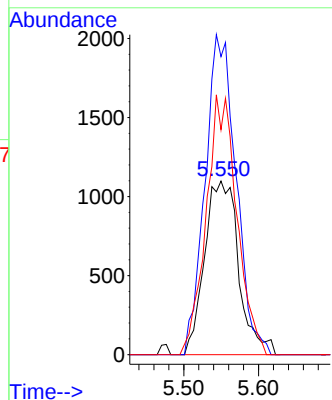


#31  
Cyclohexane  
Concen: 1.115 ug/l  
RT: 5.550 min Scan# 719  
Delta R.T. 0.079 min  
Lab File: VX036790.D  
Acq: 03 Aug 2023 11:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

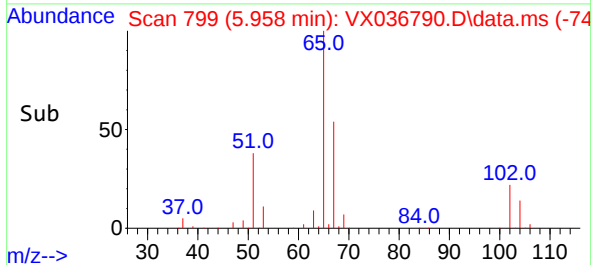
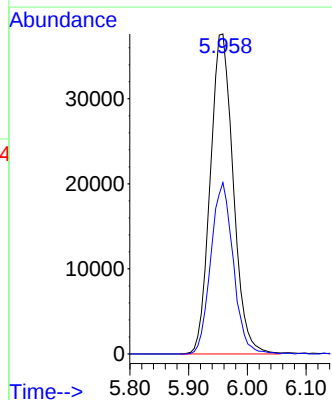
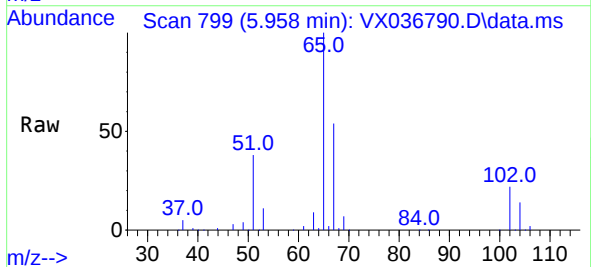


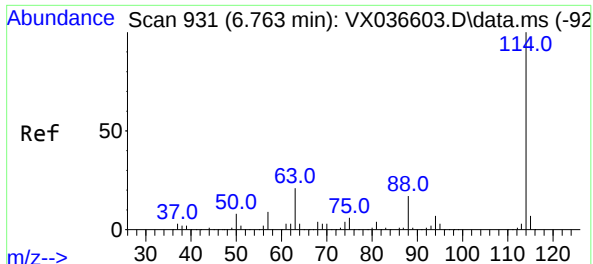
Tgt Ion: 56 Resp: 3484  
Ion Ratio Lower Upper  
56 100  
69 171.7 23.4 35.2#  
84 129.6 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 45.286 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.006 min  
Lab File: VX036790.D  
Acq: 03 Aug 2023 11:19

Tgt Ion: 65 Resp: 102199  
Ion Ratio Lower Upper  
65 100  
67 52.3 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: VX036790.D

Acq: 03 Aug 2023 11:19

Instrument :

MSVOA\_X

ClientSampleId :

IBLK

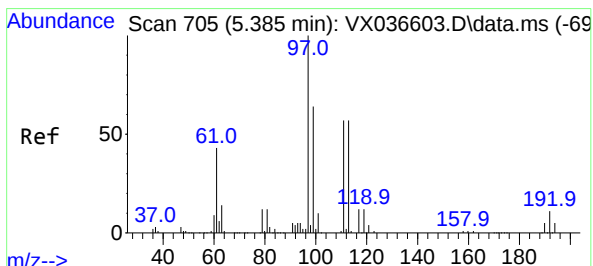
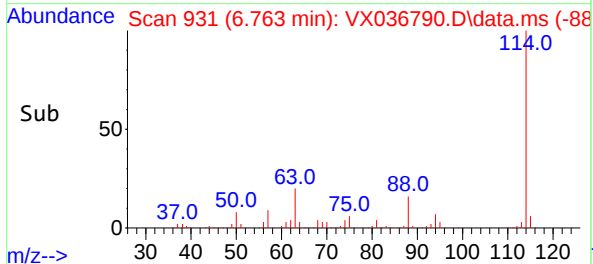
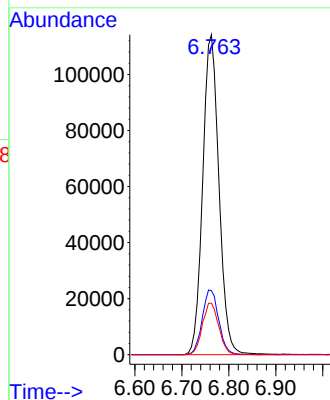
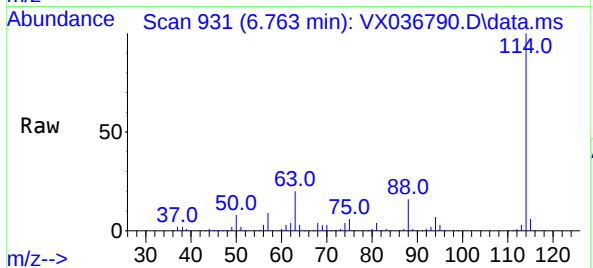
Tgt Ion:114 Resp: 273365

Ion Ratio Lower Upper

114 100

63 20.0 0.0 45.0

88 16.1 0.0 36.6



#35

Dibromofluoromethane

Concen: 46.476 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX036790.D

Acq: 03 Aug 2023 11:19

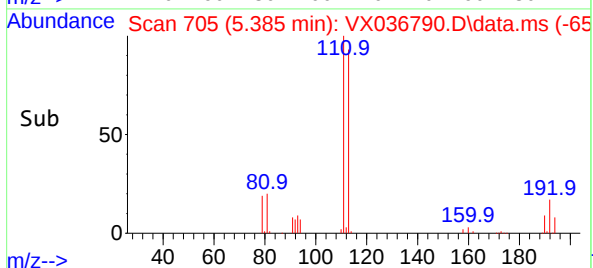
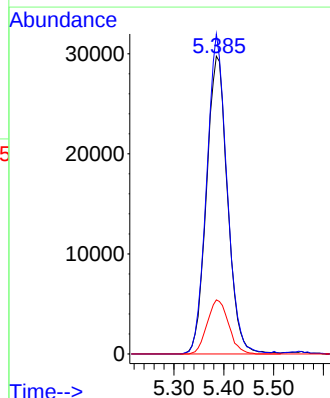
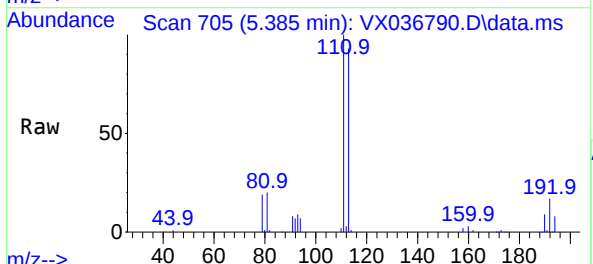
Tgt Ion:113 Resp: 87326

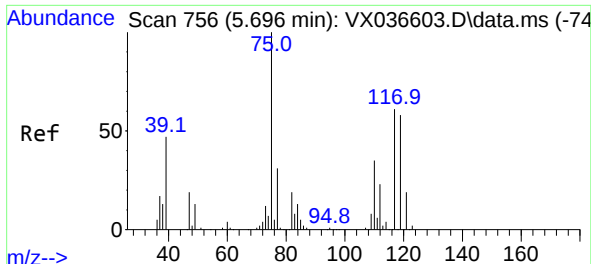
Ion Ratio Lower Upper

113 100

111 103.6 82.9 124.3

192 18.4 13.3 19.9

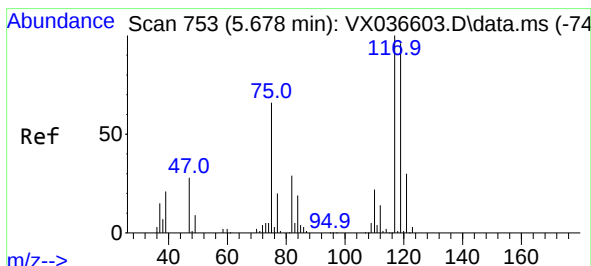
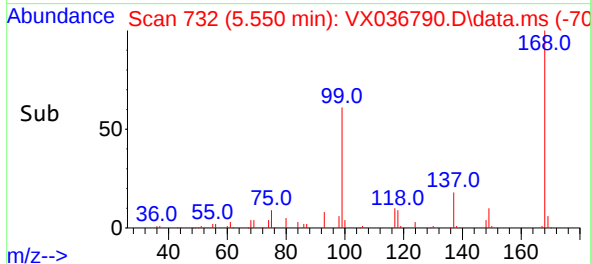
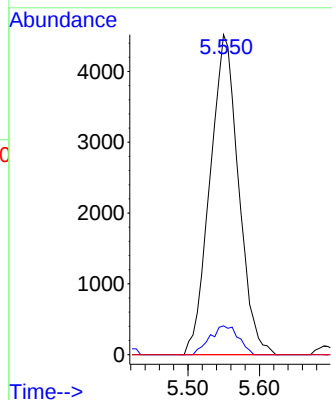
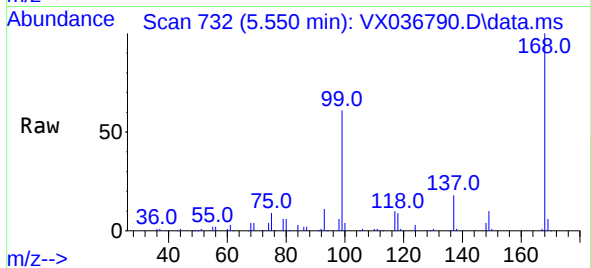




#36  
1,1-Dichloropropene  
Concen: 4.474 ug/l  
RT: 5.550 min Scan# 711  
Delta R.T. -0.146 min  
Lab File: VX036790.D  
Acq: 03 Aug 2023 11:19

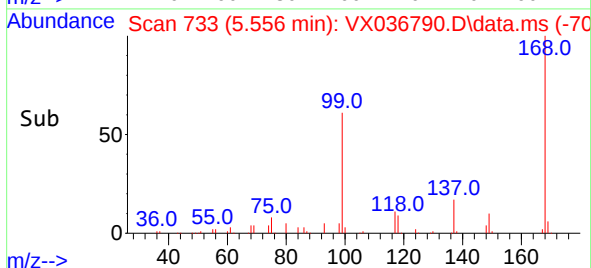
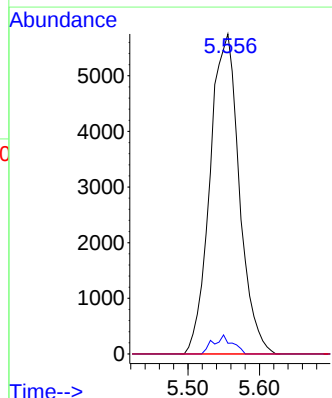
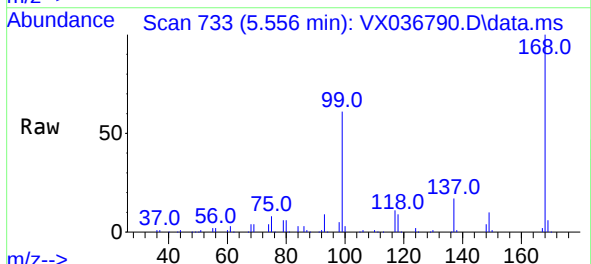
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

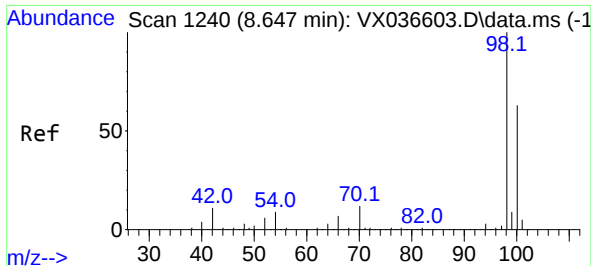
Tgt Ion: 75 Resp: 12529  
Ion Ratio Lower Upper  
75 100  
110 9.0 17.0 50.9#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 5.496 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.122 min  
Lab File: VX036790.D  
Acq: 03 Aug 2023 11:19

Tgt Ion: 117 Resp: 16364  
Ion Ratio Lower Upper  
117 100  
119 3.3 78.2 117.2#  
121 0.0 24.4 36.6#

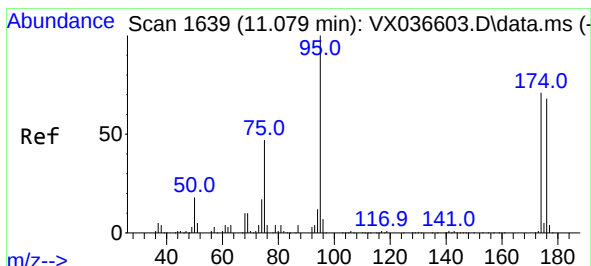
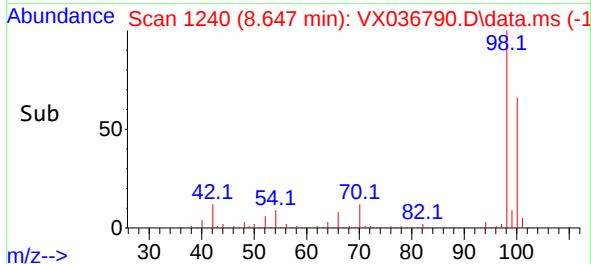
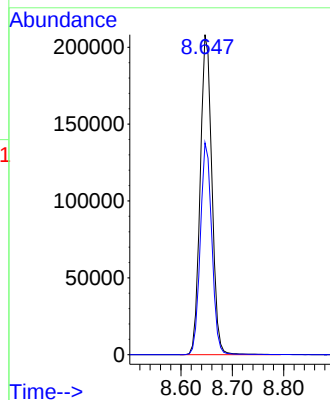
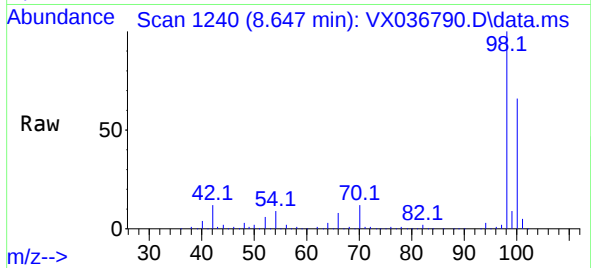




#50  
Toluene-d8  
Concen: 49.180 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX036790.D  
Acq: 03 Aug 2023 11:19

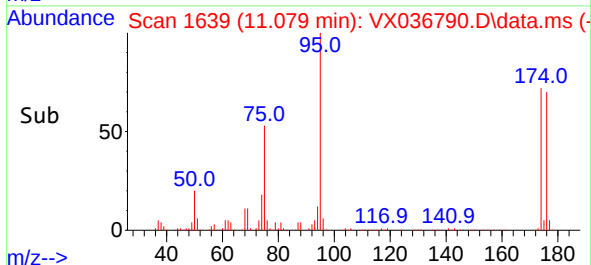
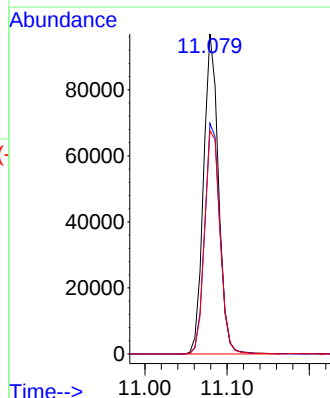
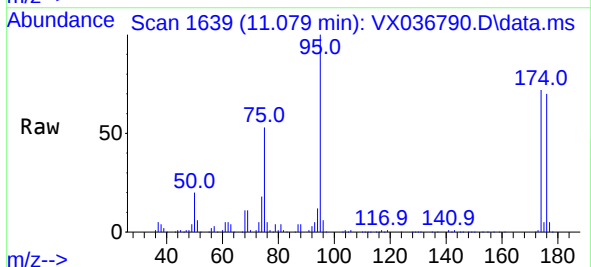
Instrument :  
MSVOA\_X  
ClientSampleId :  
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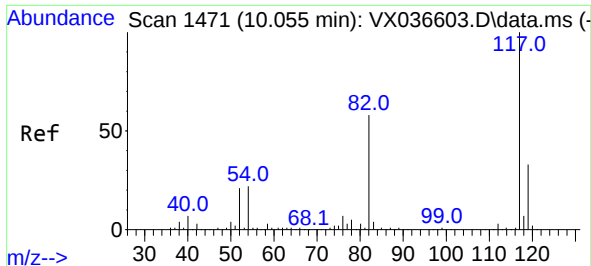
Tgt Ion: 98 Resp: 327696  
Ion Ratio Lower Upper  
98 100  
100 65.4 53.1 79.7



#62  
4-Bromofluorobenzene  
Concen: 48.563 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX036790.D  
Acq: 03 Aug 2023 11:19

Tgt Ion: 95 Resp: 122083  
Ion Ratio Lower Upper  
95 100  
174 73.9 0.0 135.6  
176 72.7 0.0 131.0

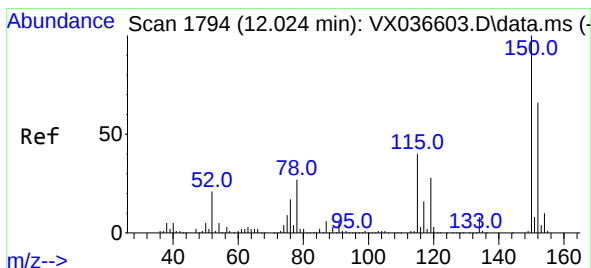
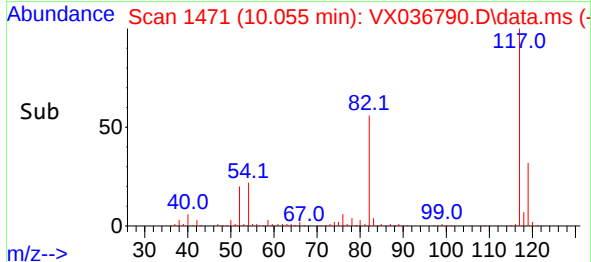
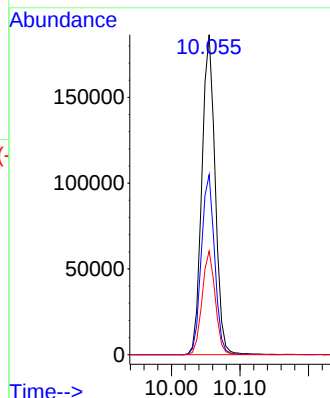
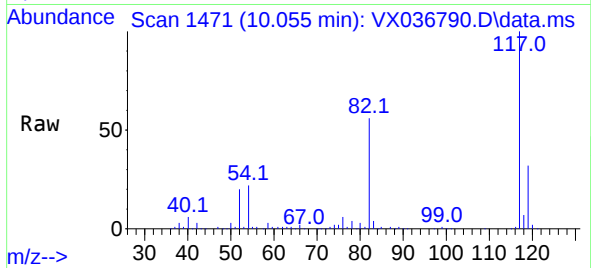




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX036790.D  
Acq: 03 Aug 2023 11:19

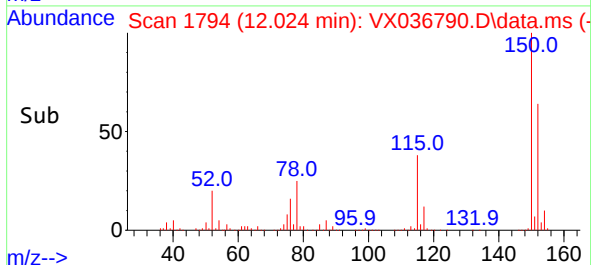
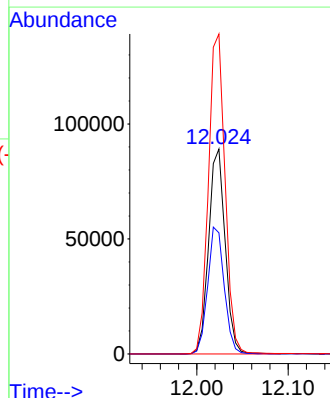
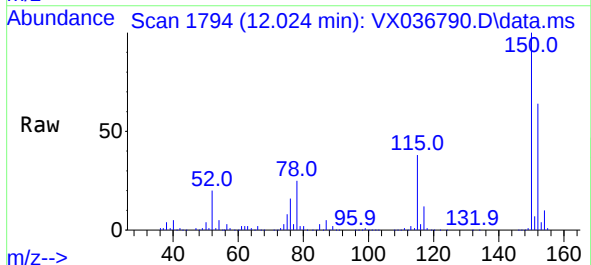
Instrument :  
MSVOA\_X  
ClientSampleId :  
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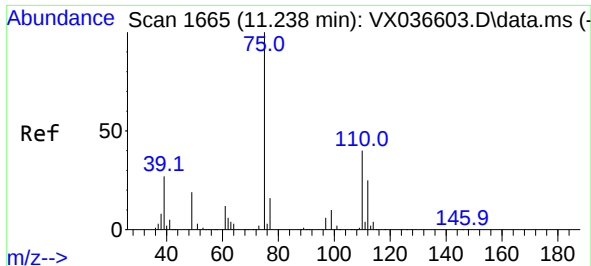
Tgt Ion:117 Resp: 252438  
Ion Ratio Lower Upper  
117 100  
82 56.3 46.2 69.4  
119 32.4 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX036790.D  
Acq: 03 Aug 2023 11:19

Tgt Ion:152 Resp: 111700  
Ion Ratio Lower Upper  
152 100  
115 62.1 43.3 129.9  
150 157.5 0.0 345.0

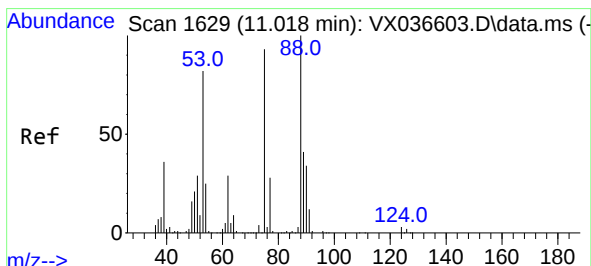
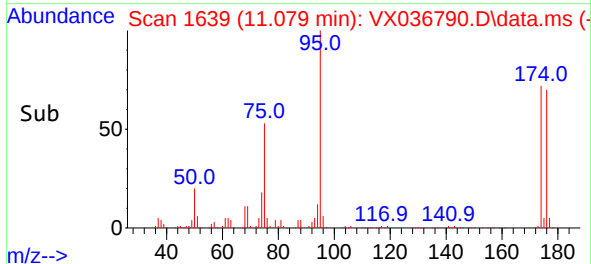
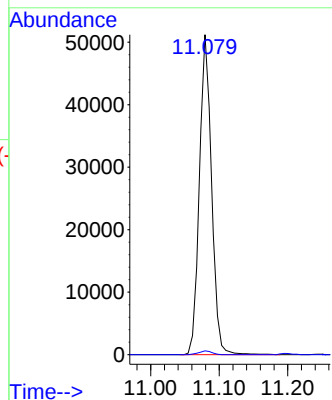
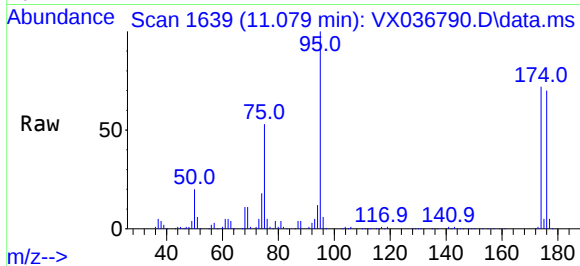




#76  
1,2,3-Trichloropropane  
Concen: 24.125 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX036790.D  
Acq: 03 Aug 2023 11:19

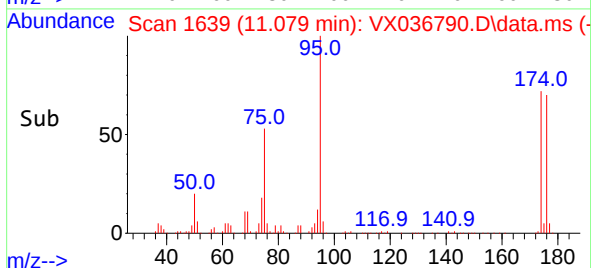
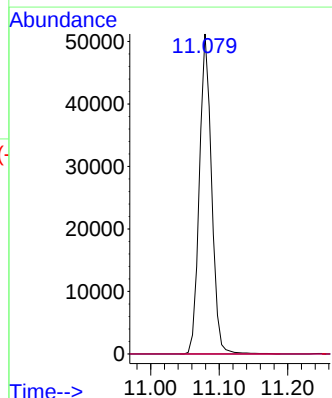
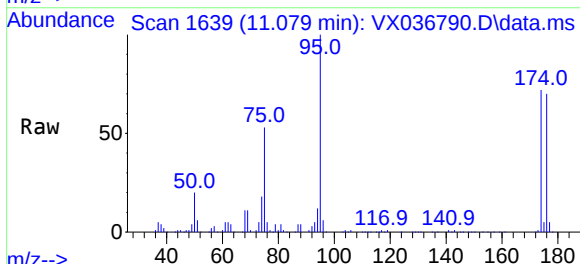
Instrument :  
MSVOA\_X  
ClientSampleId :  
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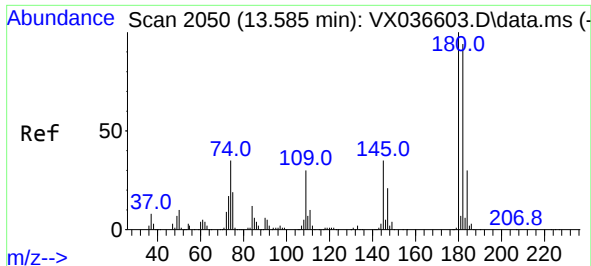
Tgt Ion: 75 Resp: 63384  
Ion Ratio Lower Upper  
75 100  
77 1.3 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 54.681 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX036790.D  
Acq: 03 Aug 2023 11:19

Tgt Ion: 75 Resp: 63384  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#

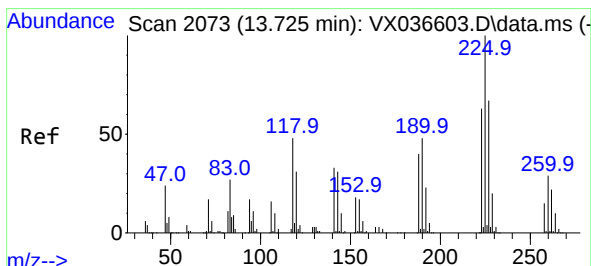
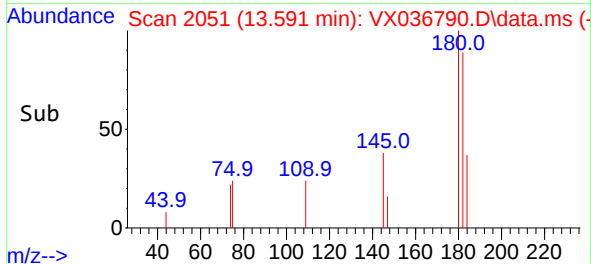
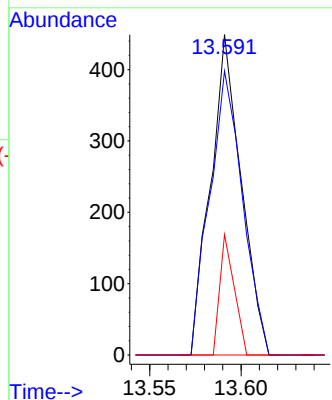
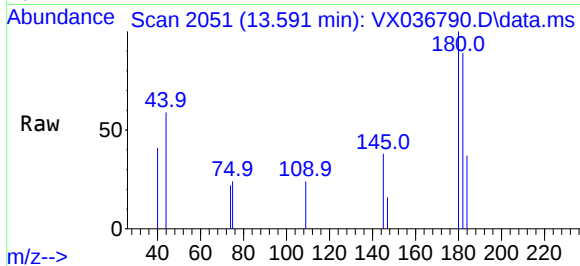




#93  
1,2,4-Trichlorobenzene  
Concen: 0.227 ug/l  
RT: 13.591 min Scan# 2051  
Delta R.T. 0.006 min  
Lab File: VX036790.D  
Acq: 03 Aug 2023 11:19

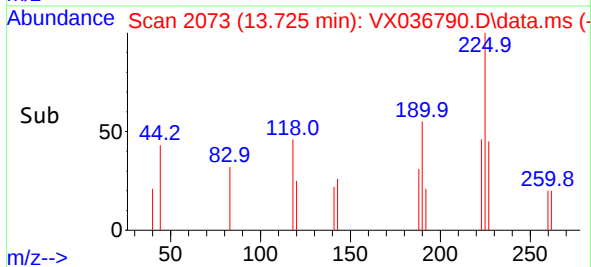
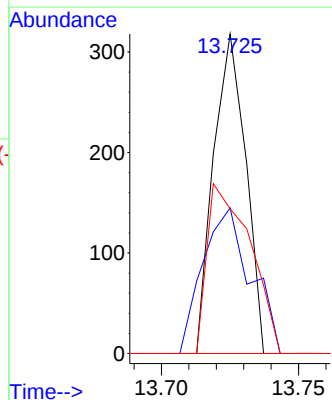
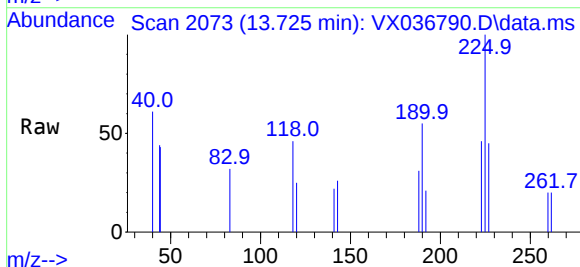
Instrument :  
MSVOA\_X  
ClientSampleId :  
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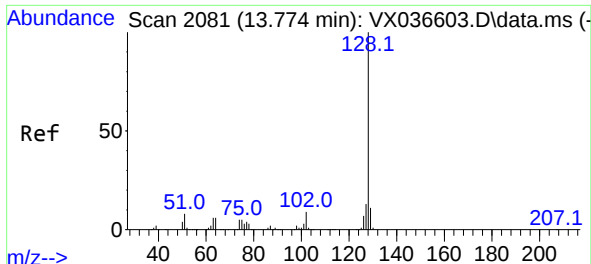
Tgt Ion:180 Resp: 526  
Ion Ratio Lower Upper  
180 100  
182 94.5 48.3 144.8  
145 17.7 18.0 54.0#



#94  
Hexachlorobutadiene  
Concen: 0.269 ug/l  
RT: 13.725 min Scan# 2073  
Delta R.T. -0.000 min  
Lab File: VX036790.D  
Acq: 03 Aug 2023 11:19

Tgt Ion:225 Resp: 258  
Ion Ratio Lower Upper  
225 100  
223 68.2 31.1 93.2  
227 71.7 32.5 97.5

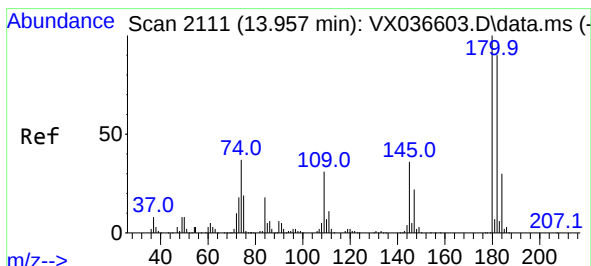
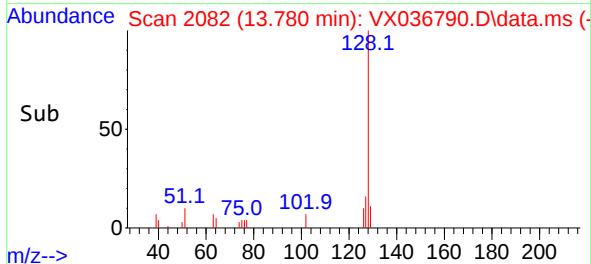
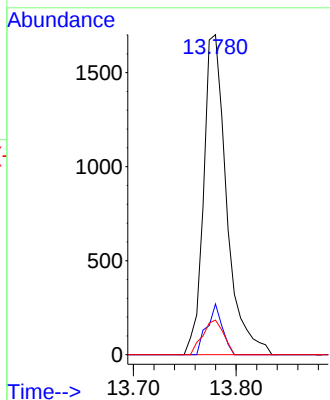
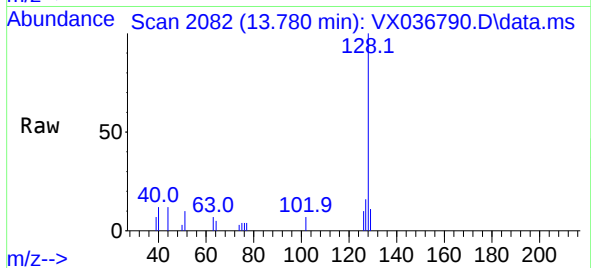




#95  
Naphthalene  
Concen: 0.328 ug/l  
RT: 13.780 min Scan# 2081  
Delta R.T. 0.006 min  
Lab File: VX036790.D  
Acq: 03 Aug 2023 11:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 2653  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 10.6  | 10.3  | 15.5  |
| 129      | 9.8   | 8.8   | 13.2  |



#96  
1,2,3-Trichlorobenzene  
Concen: 0.219 ug/l  
RT: 13.963 min Scan# 2112  
Delta R.T. 0.006 min  
Lab File: VX036790.D  
Acq: 03 Aug 2023 11:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 500   |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 110.0 | 46.9  | 140.6 |
| 145      | 30.8  | 17.8  | 53.5  |

