

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091323\  
 Data File : VX037697.D  
 Acq On : 13 Sep 2023 16:06  
 Operator : JC/MD  
 Sample : 04352-01RE  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Sep 14 02:21:48 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091123W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 12 10:10:04 2023  
 Response via : Initial Calibration

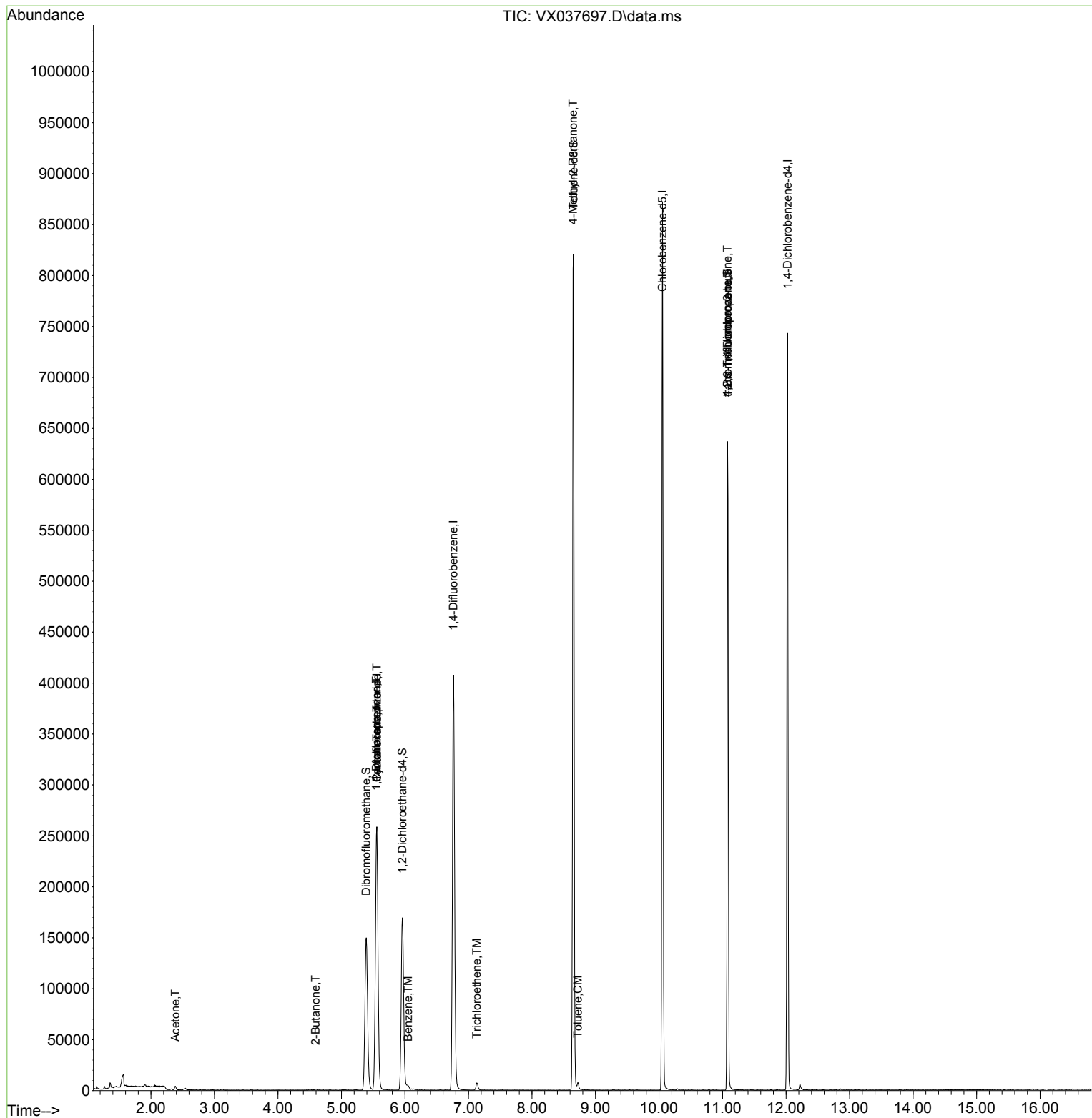
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 5.556          | 168  | 241560     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 416080     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 375542     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 153244     | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 163864     | 41.928    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 83.860%   |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 131451     | 44.571    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 89.140%   |        |          |
| 50) Toluene-d8                | 8.653          | 98   | 505507     | 45.448    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 90.900%#  |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 164814     | 41.072    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 82.140%#  |        |          |
| Target Compounds              |                |      |            |           |        |          |
|                               |                |      |            |           | Qvalue |          |
| 11) Tert butyl alcohol        | 2.971          | 59   | 333        | Below Cal | #      | 78       |
| 16) Acetone                   | 2.386          | 43   | 4045       | 2.560     | ug/l   | 94       |
| 20) Methylene Chloride        | 2.800          | 84   | 289        | Below Cal | #      | 54       |
| 25) 2-Butanone                | 4.593          | 43   | 1042       | 0.404     | ug/l   | # 84     |
| 31) Cyclohexane               | 5.556          | 56   | 5554       | 1.234     | ug/l   | # 1      |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 20031      | 4.993     | ug/l   | # 51     |
| 38) Carbon Tetrachloride      | 5.556          | 117  | 25642      | 6.256     | ug/l   | # 15     |
| 40) Benzene                   | 6.050          | 78   | 4704       | 0.387     | ug/l   | 99       |
| 44) Trichloroethene           | 7.129          | 130  | 3045       | 1.002     | ug/l   | 78       |
| 51) 4-Methyl-2-Pentanone      | 8.647          | 43   | 2240       | 0.466     | ug/l   | # 1      |
| 52) Toluene                   | 8.720          | 92   | 2665       | 0.341     | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 87264      | 25.902    | ug/l   | # 39     |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 87264      | 78.735    | ug/l   | # 5      |
| -----                         |                |      |            |           |        |          |

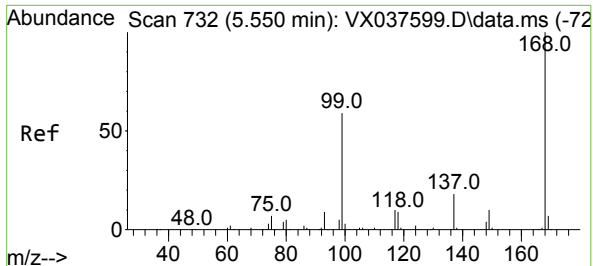
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : 04352-01RE  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Sep 14 02:21:48 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091123W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 12 10:10:04 2023  
Response via : Initial Calibration

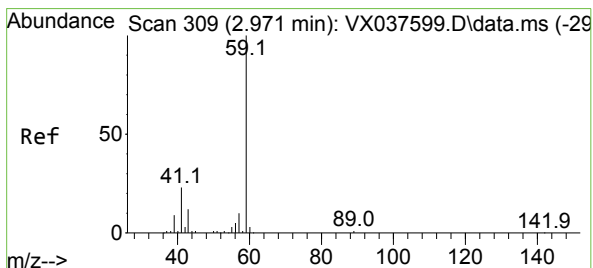
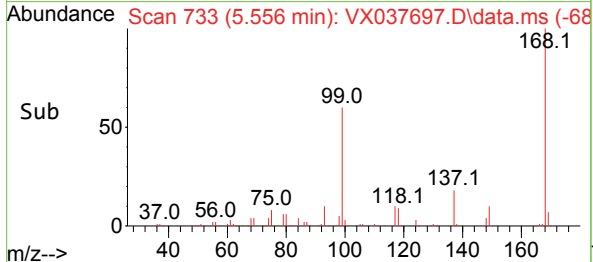
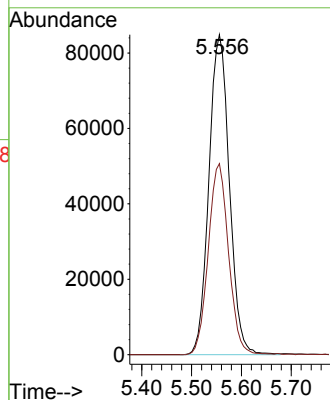
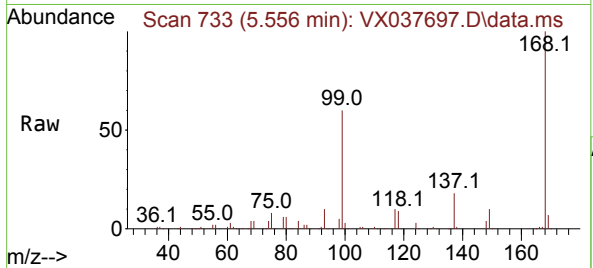




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX037697.D  
Acq: 13 Sep 2023 16:06

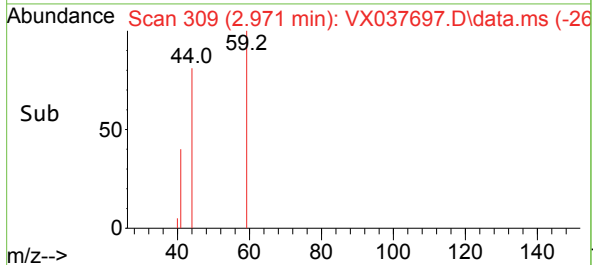
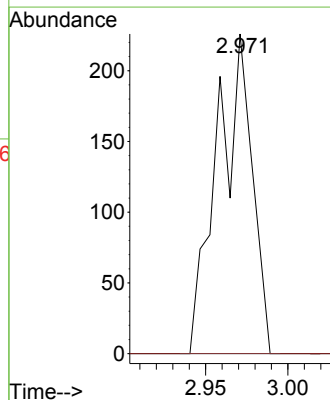
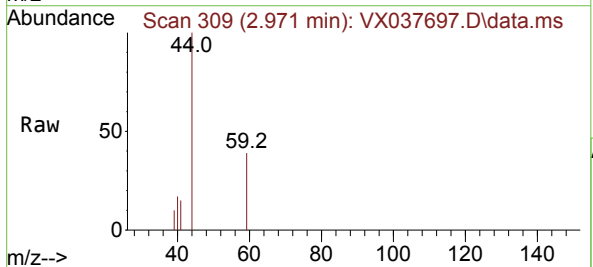
Instrument :  
MSVOA\_X  
ClientSampleId :

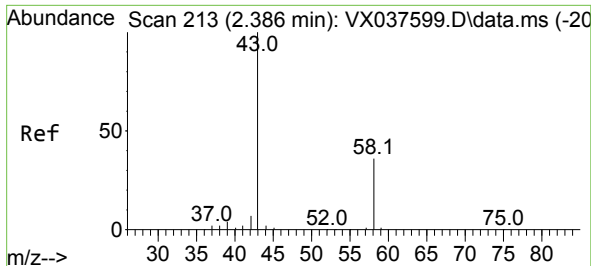
Tgt Ion:168 Resp: 241560  
Ion Ratio Lower Upper  
168 100  
99 59.7 56.6 85.0



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 2.971 min Scan# 309  
Delta R.T. -0.000 min  
Lab File: VX037697.D  
Acq: 13 Sep 2023 16:06

Tgt Ion: 59 Resp: 333  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#





#16

Acetone

Concen: 2.560 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX037697.D

Acq: 13 Sep 2023 16:06

Instrument :

MSVOA\_X

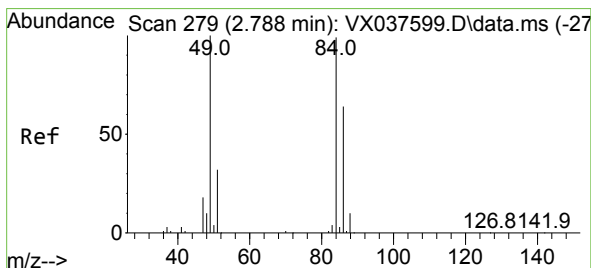
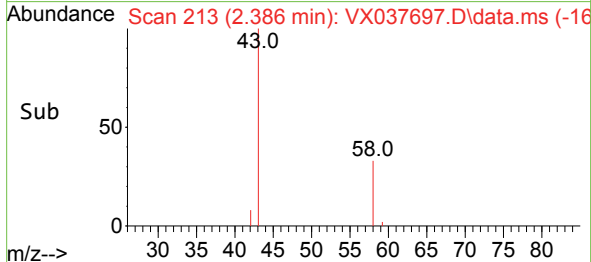
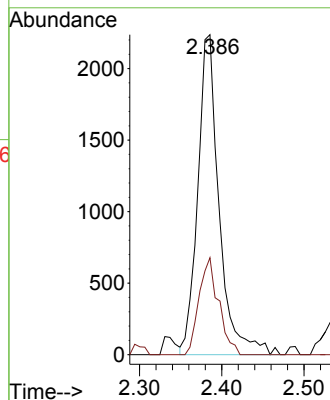
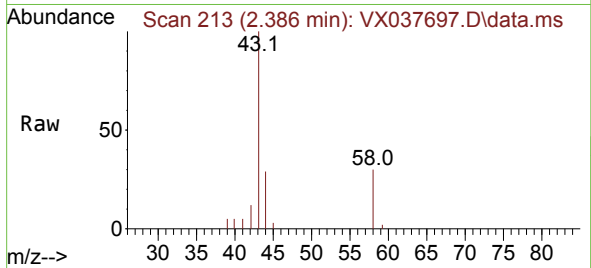
ClientSampleId :

Tgt Ion: 43 Resp: 4045

Ion Ratio Lower Upper

43 100

58 30.3 21.9 32.9



#20

Methylene Chloride

Concen: Below Cal

RT: 2.800 min Scan# 281

Delta R.T. 0.012 min

Lab File: VX037697.D

Acq: 13 Sep 2023 16:06

Tgt Ion: 84 Resp: 289

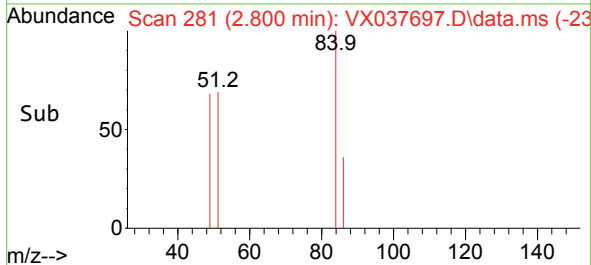
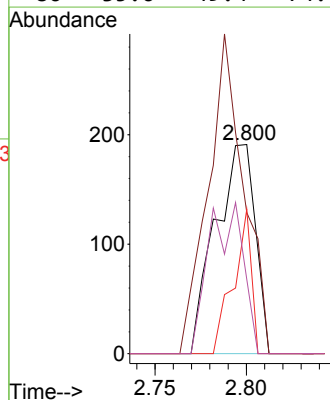
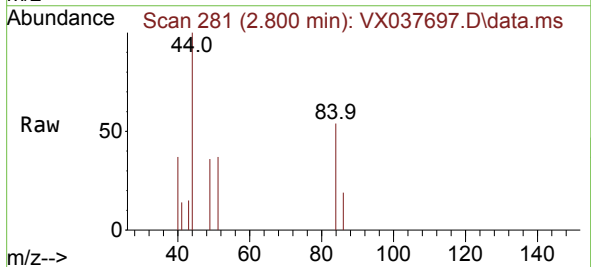
Ion Ratio Lower Upper

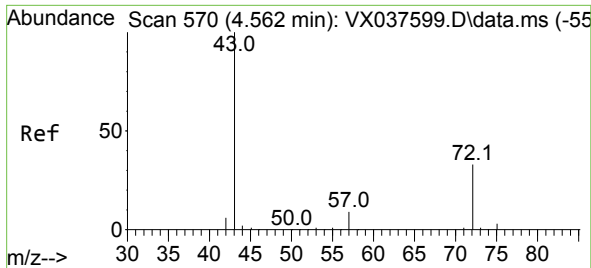
84 100

49 67.5 103.6 155.4#

51 69.1 33.8 50.6#

86 35.6 49.4 74.0#

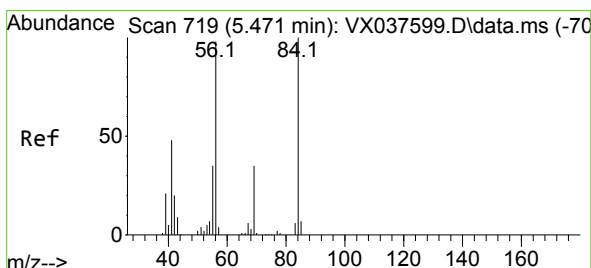
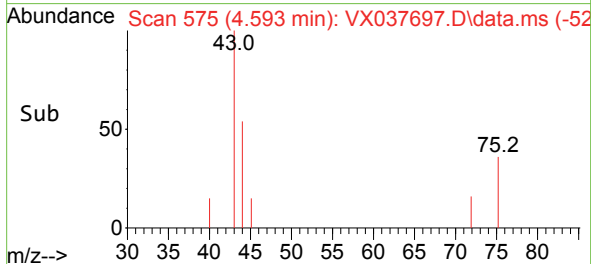
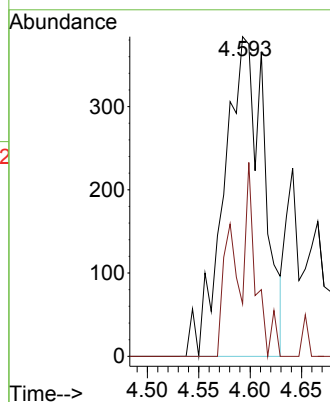
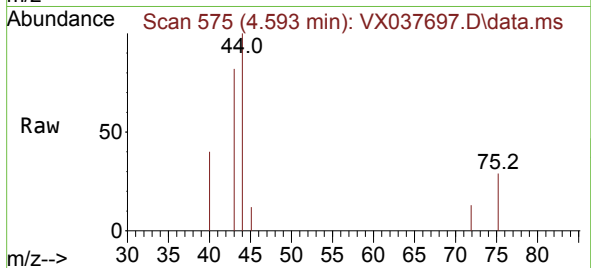




#25  
2-Butanone  
Concen: 0.404 ug/l  
RT: 4.593 min Scan# 51  
Delta R.T. 0.030 min  
Lab File: VX037697.D  
Acq: 13 Sep 2023 16:06

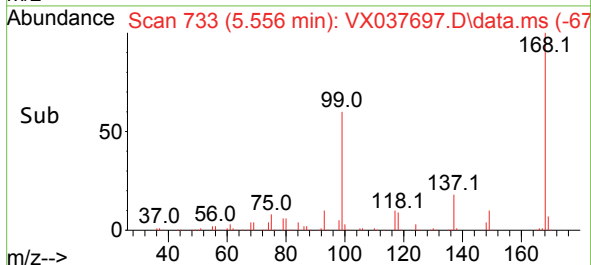
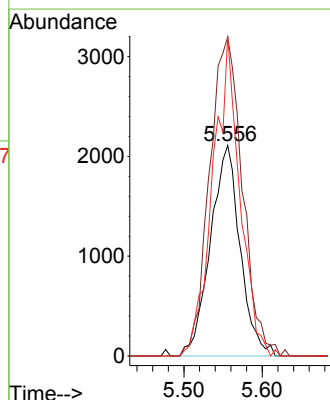
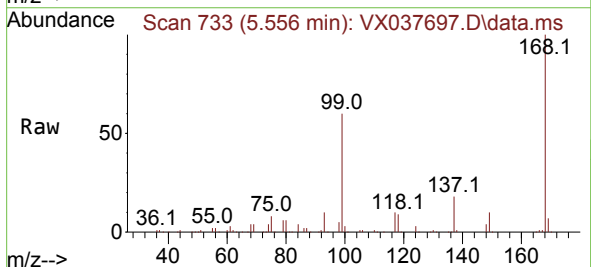
Instrument :  
MSVOA\_X  
ClientSampleId :

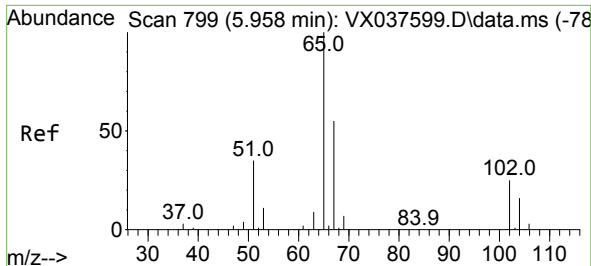
Tgt Ion: 43 Resp: 1042  
Ion Ratio Lower Upper  
43 100  
72 16.4 19.4 29.2#



#31  
Cyclohexane  
Concen: 1.234 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.085 min  
Lab File: VX037697.D  
Acq: 13 Sep 2023 16:06

Tgt Ion: 56 Resp: 5554  
Ion Ratio Lower Upper  
56 100  
69 151.6 23.4 35.2#  
84 152.0 65.9 98.9#

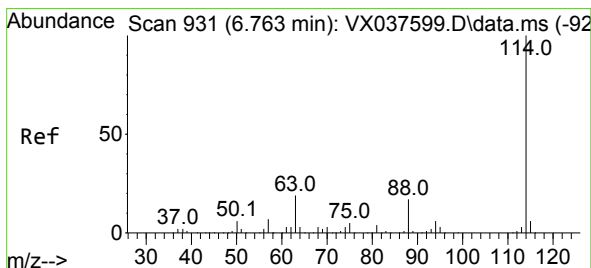
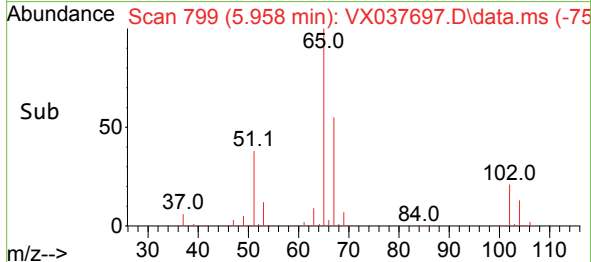
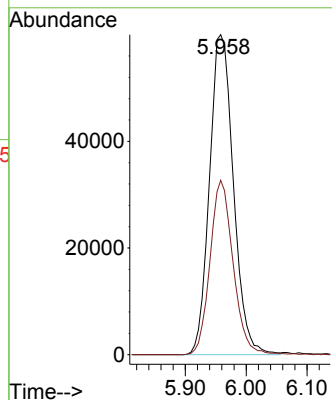
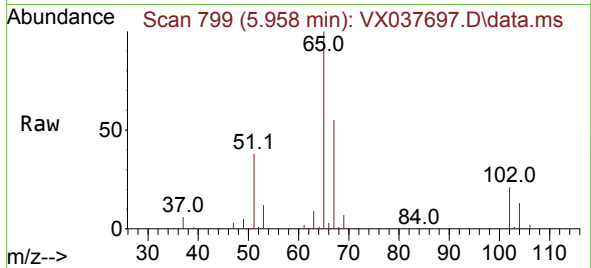




#33  
1,2-Dichloroethane-d4  
Concen: 41.928 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VX037697.D  
Acq: 13 Sep 2023 16:06

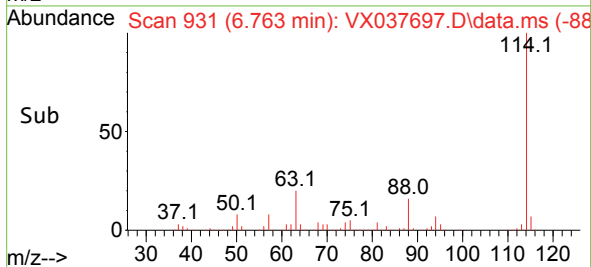
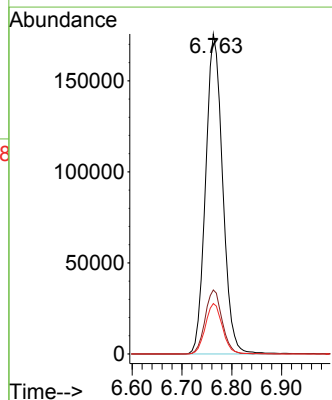
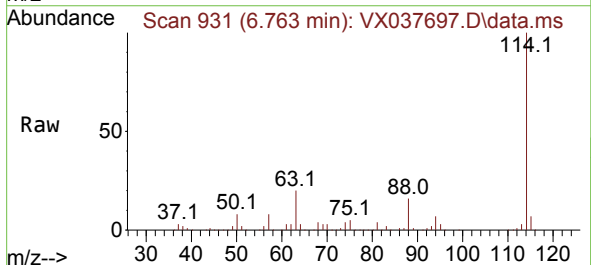
Instrument :  
MSVOA\_X  
ClientSampleId :

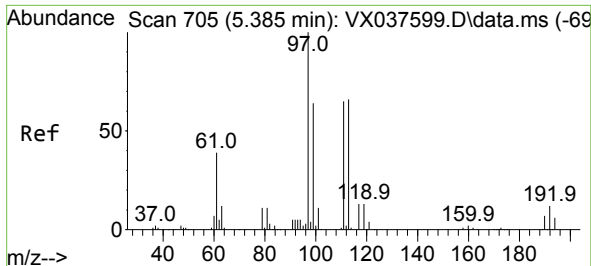
Tgt Ion: 65 Resp: 163864  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 100.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. -0.000 min  
Lab File: VX037697.D  
Acq: 13 Sep 2023 16:06

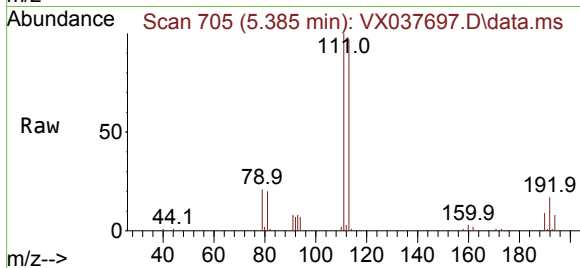
Tgt Ion:114 Resp: 416080  
Ion Ratio Lower Upper  
114 100  
63 20.0 0.0 45.0  
88 15.7 0.0 36.6



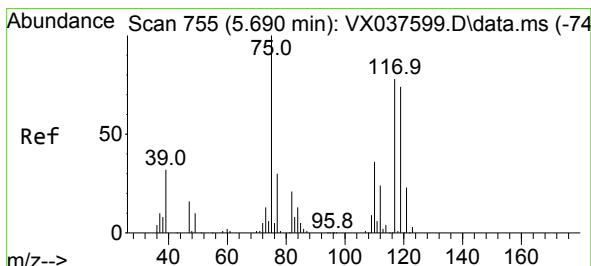
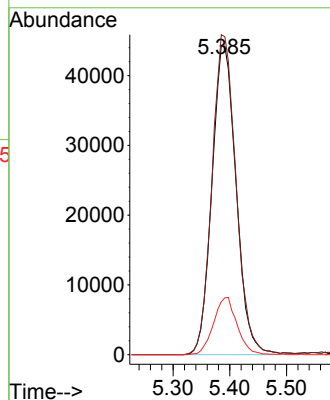
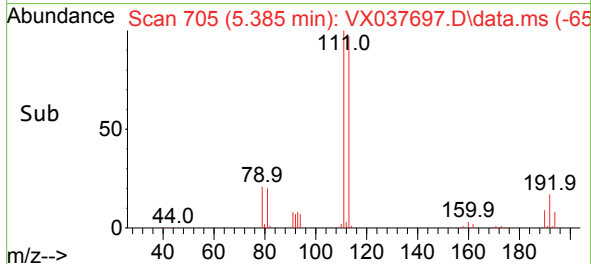


#35  
Dibromofluoromethane  
Concen: 44.571 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX037697.D  
Acq: 13 Sep 2023 16:06

Instrument :  
MSVOA\_X  
ClientSampleId :

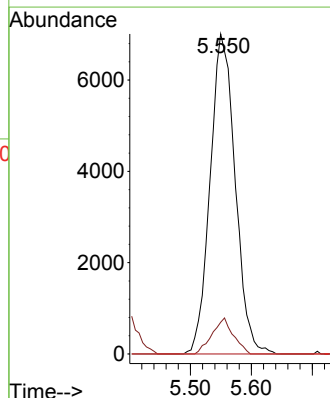
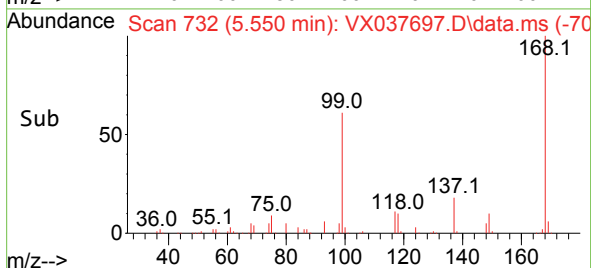
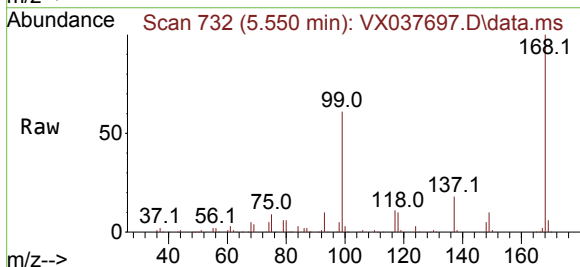


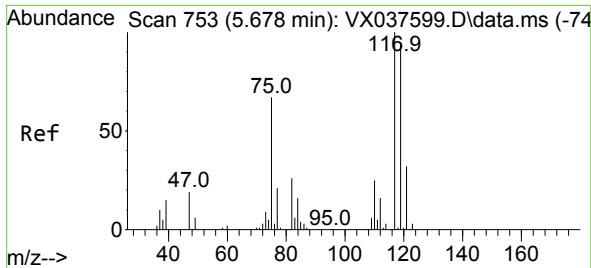
Tgt Ion:113 Resp: 131451  
Ion Ratio Lower Upper  
113 100  
111 102.5 82.9 124.3  
192 18.0 13.3 19.9



#36  
1,1-Dichloropropene  
Concen: 4.993 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.140 min  
Lab File: VX037697.D  
Acq: 13 Sep 2023 16:06

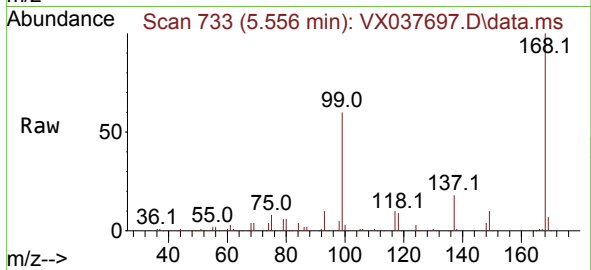
Tgt Ion: 75 Resp: 20031  
Ion Ratio Lower Upper  
75 100  
110 9.5 17.0 50.9#  
77 0.0 24.7 37.1#



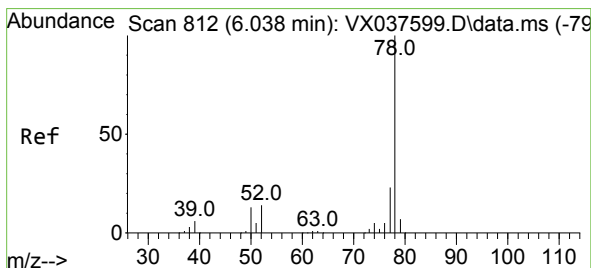
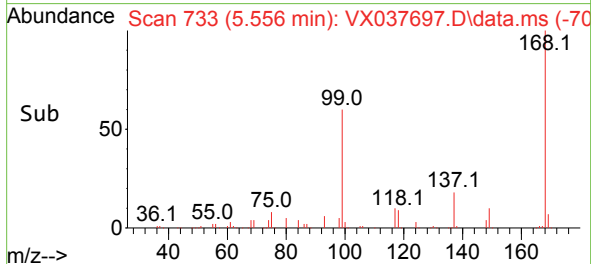
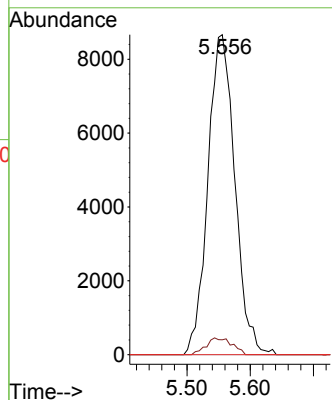


#38  
Carbon Tetrachloride  
Concen: 6.256 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX037697.D  
Acq: 13 Sep 2023 16:06

Instrument :  
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ClientSampleId :

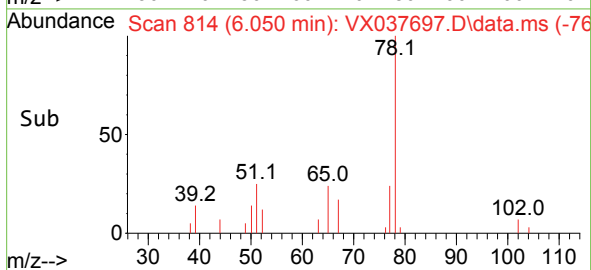
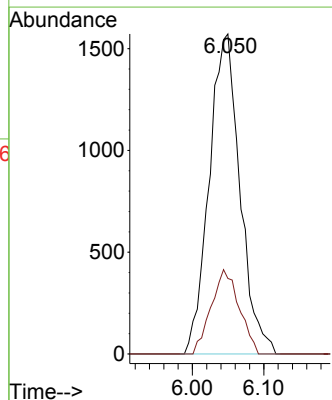
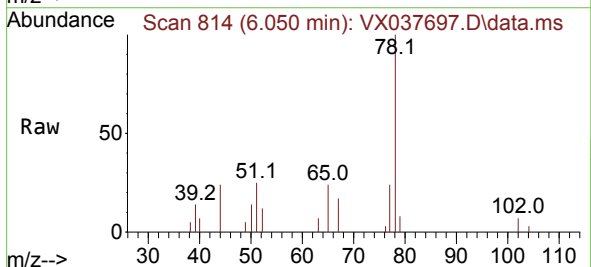


Tgt Ion:117 Resp: 25642  
Ion Ratio Lower Upper  
117 100  
119 4.6 78.2 117.2#  
121 0.0 24.4 36.6#

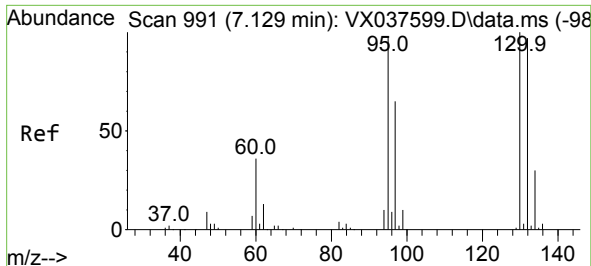


#40  
Benzene  
Concen: 0.387 ug/l  
RT: 6.050 min Scan# 814  
Delta R.T. 0.012 min  
Lab File: VX037697.D  
Acq: 13 Sep 2023 16:06

Tgt Ion: 78 Resp: 4704  
Ion Ratio Lower Upper  
78 100  
77 23.6 19.3 28.9



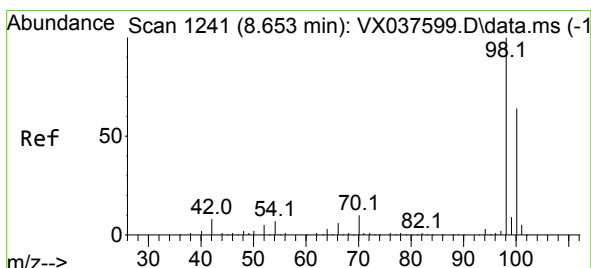
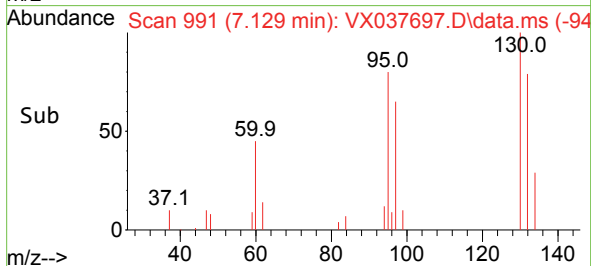
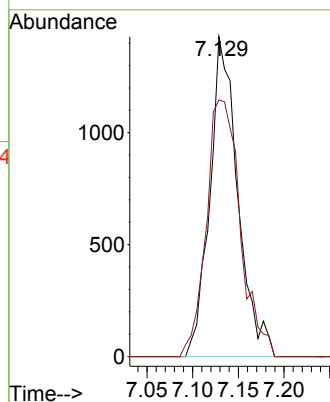
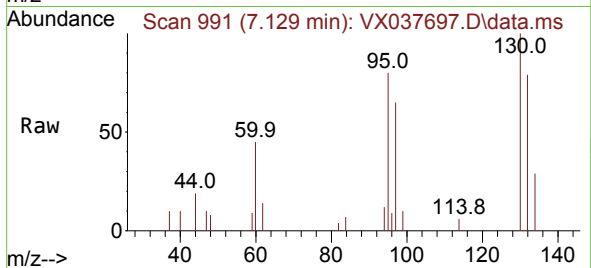




#44  
Trichloroethene  
Concen: 1.002 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: VX037697.D  
Acq: 13 Sep 2023 16:06

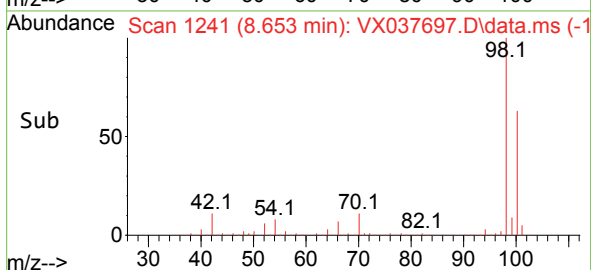
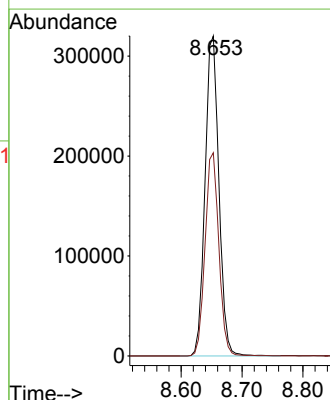
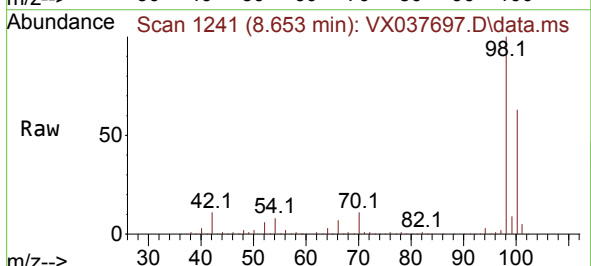
Instrument :  
MSVOA\_X  
ClientSampleId :

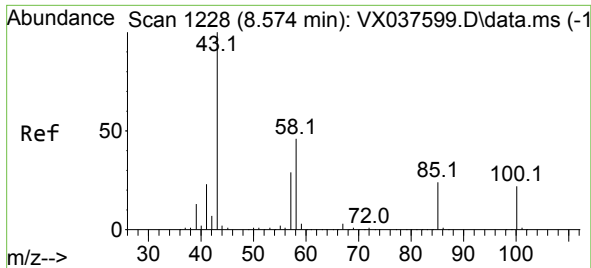
Tgt Ion:130 Resp: 3045  
Ion Ratio Lower Upper  
130 100  
95 80.3 0.0 204.4



#50  
Toluene-d8  
Concen: 45.448 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX037697.D  
Acq: 13 Sep 2023 16:06

Tgt Ion: 98 Resp: 505507  
Ion Ratio Lower Upper  
98 100  
100 63.3 53.1 79.7

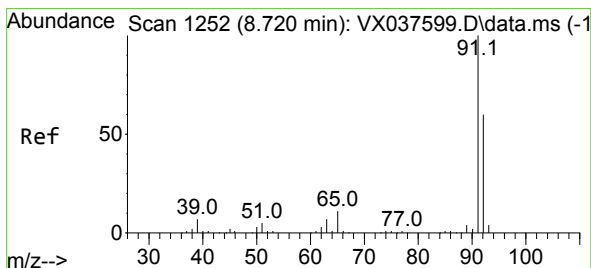
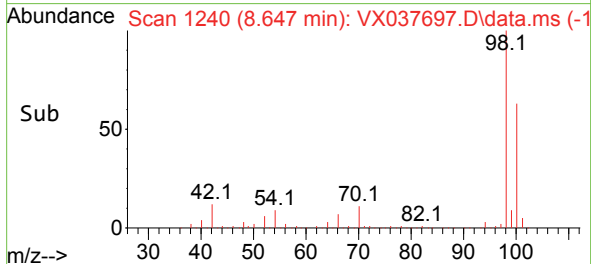
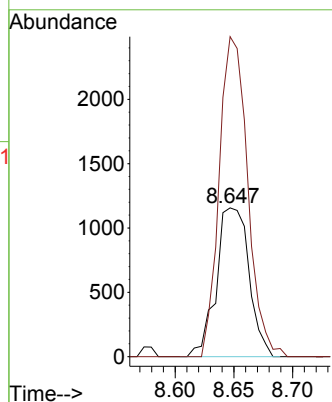
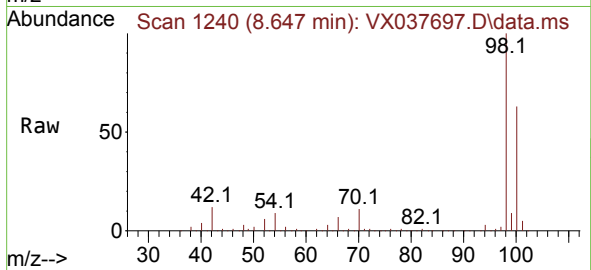




#51  
4-Methyl-2-Pentanone  
Concen: 0.466 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.073 min  
Lab File: VX037697.D  
Acq: 13 Sep 2023 16:06

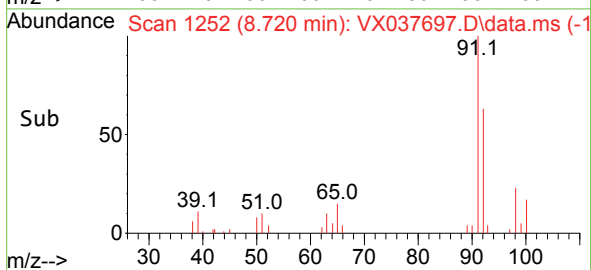
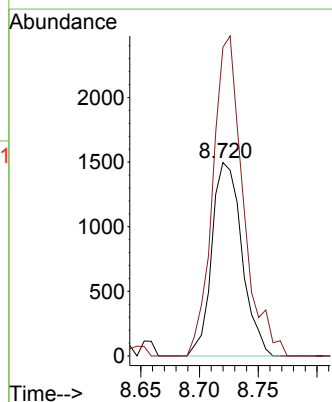
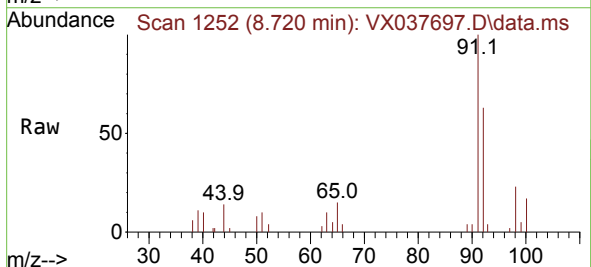
Instrument :  
MSVOA\_X  
ClientSampleId :

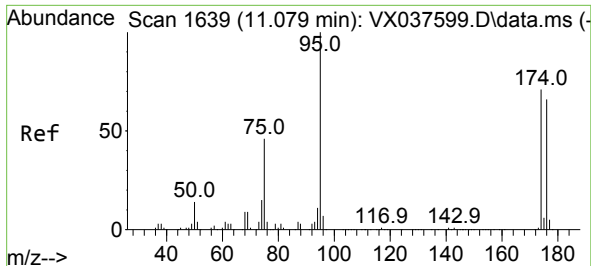
Tgt Ion: 43 Resp: 2240  
Ion Ratio Lower Upper  
43 100  
58 187.2 30.4 45.6#



#52  
Toluene  
Concen: 0.341 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. -0.000 min  
Lab File: VX037697.D  
Acq: 13 Sep 2023 16:06

Tgt Ion: 92 Resp: 2665  
Ion Ratio Lower Upper  
92 100  
91 167.2 134.2 201.2

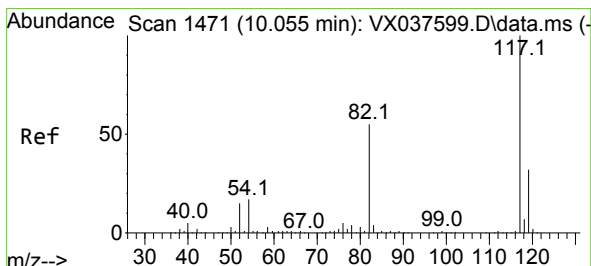
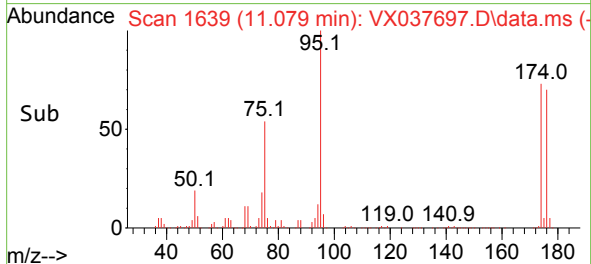
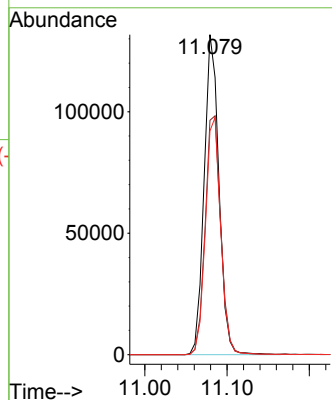
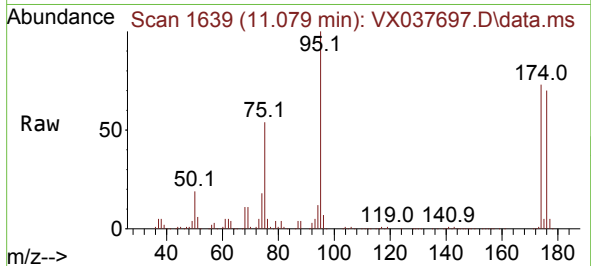




#62  
4-Bromofluorobenzene  
Concen: 41.072 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX037697.D  
Acq: 13 Sep 2023 16:06

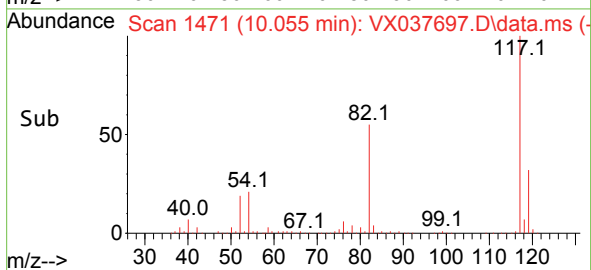
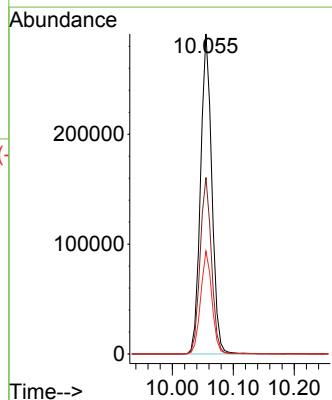
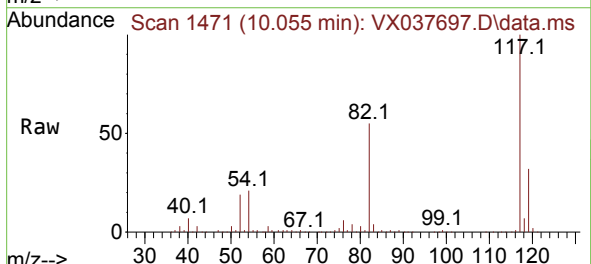
Instrument :  
MSVOA\_X  
ClientSampleId :

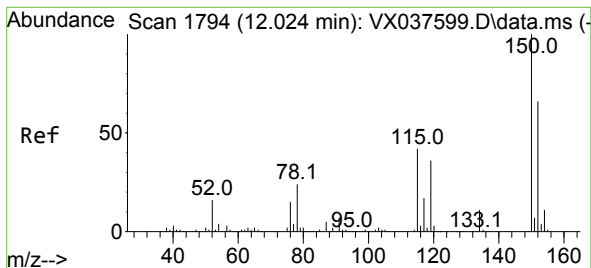
Tgt Ion: 95 Resp: 164814  
Ion Ratio Lower Upper  
95 100  
174 78.8 0.0 135.6  
176 76.1 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX037697.D  
Acq: 13 Sep 2023 16:06

Tgt Ion: 117 Resp: 375542  
Ion Ratio Lower Upper  
117 100  
82 55.2 46.2 69.4  
119 32.1 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037697.D

Acq: 13 Sep 2023 16:06

Instrument :

MSVOA\_X

ClientSampleId :

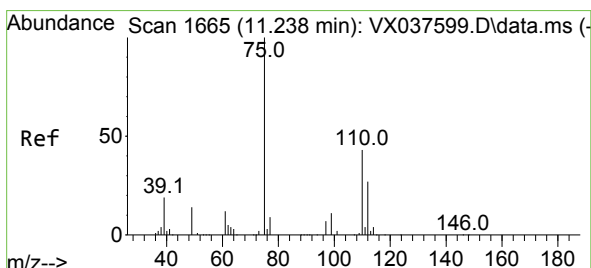
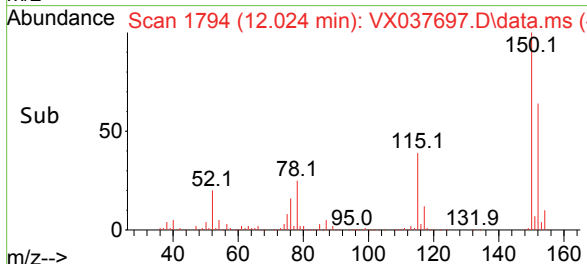
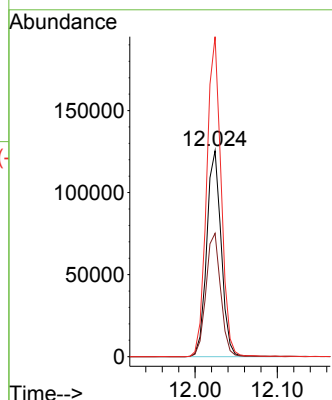
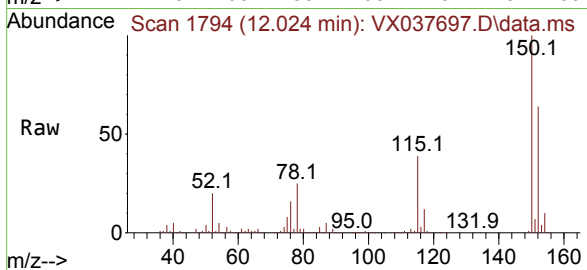
Tgt Ion:152 Resp: 153244

Ion Ratio Lower Upper

152 100

115 61.1 43.3 129.9

150 155.2 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.902 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037697.D

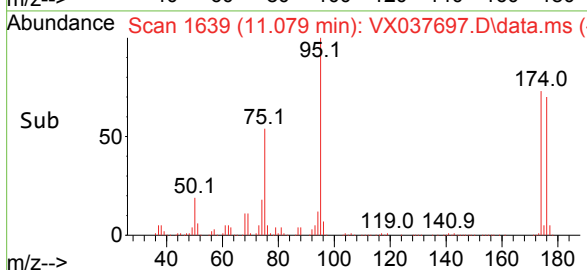
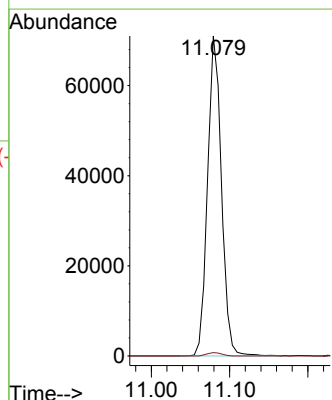
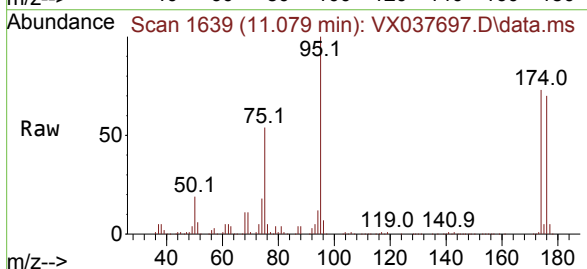
Acq: 13 Sep 2023 16:06

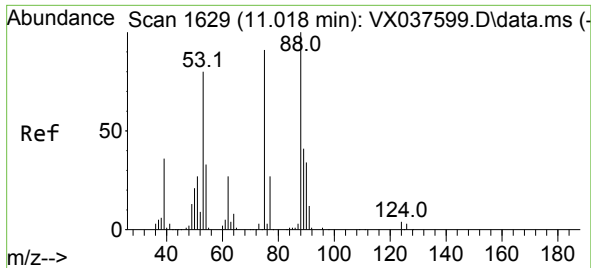
Tgt Ion: 75 Resp: 87264

Ion Ratio Lower Upper

75 100

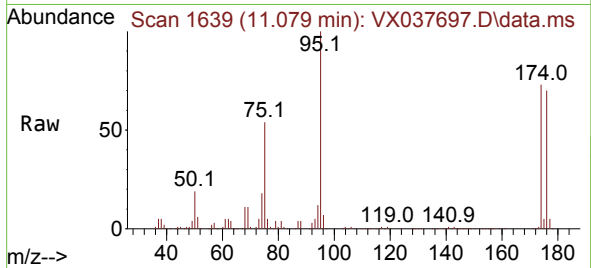
77 1.1 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 78.735 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX037697.D  
 Acq: 13 Sep 2023 16:06

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 87264  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 36.9 55.3#

