

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111623\  
 Data File : VX038863.D  
 Acq On : 17 Nov 2023 01:09  
 Operator : JC/MD  
 Sample : 05241-14  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 17 03:24:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 16 22:59:22 2023  
 Response via : Initial Calibration

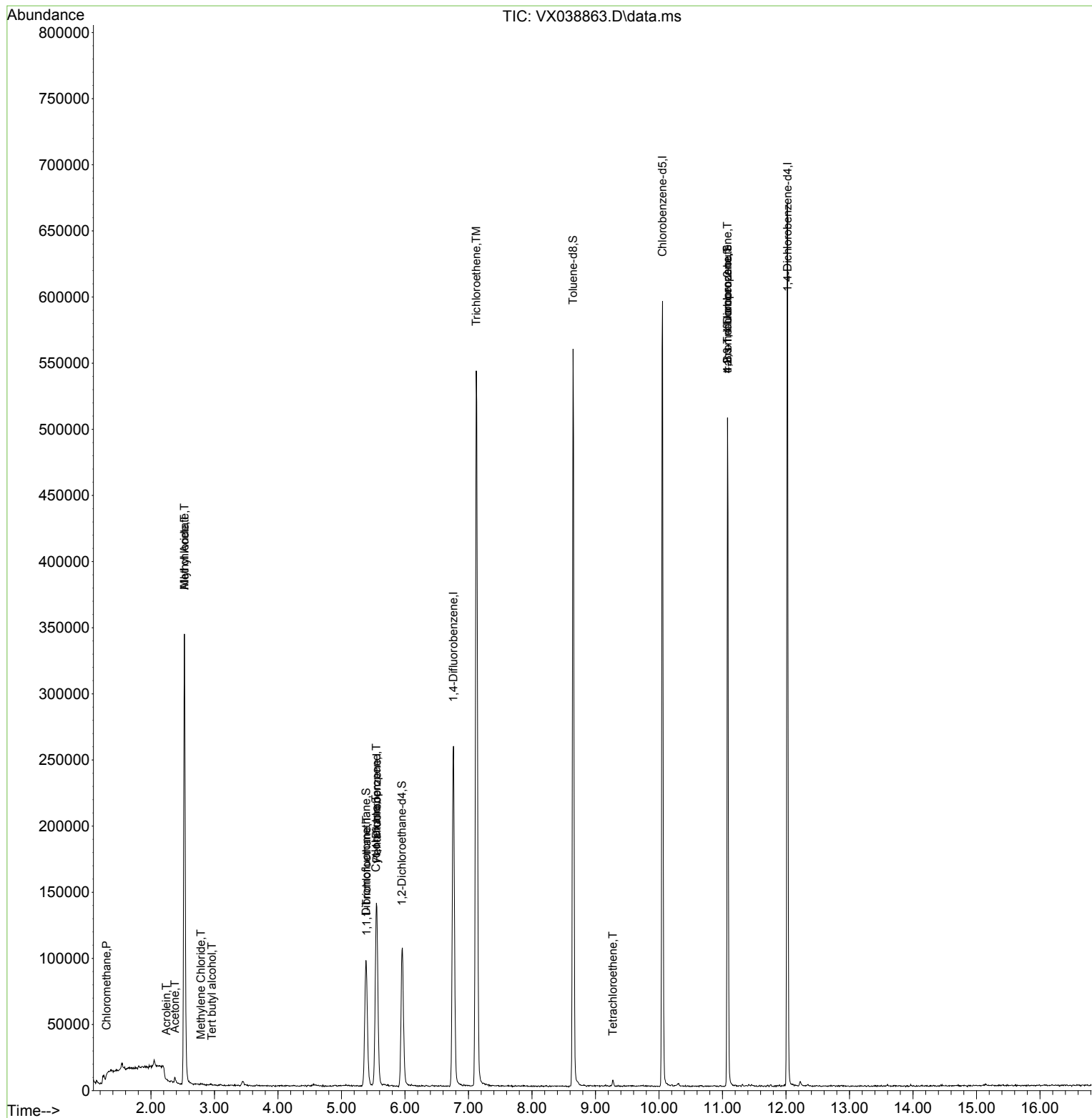
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 127921   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 263240   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 271088   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 135134   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 98023    | 47.555   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 95.120%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 84404    | 44.396   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 88.800%  |
| 50) Toluene-d8                | 8.647  | 98    | 332931   | 45.770   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 91.540%# |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 142375   | 48.895   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 97.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.301  | 50    | 452      | 0.232    | ug/l # | 78       |
| 11) Tert butyl alcohol        | 2.959  | 59    | 442      | 0.771    | ug/l # | 18       |
| 13) Acrolein                  | 2.240  | 56    | 98       | 0.323    | ug/l # | 41       |
| 14) Allyl chloride            | 2.526  | 41    | 29095    | 9.114    | ug/l # | 69       |
| 16) Acetone                   | 2.380  | 43    | 4305     | 3.923    | ug/l   | 92       |
| 18) Methyl Acetate            | 2.526  | 43    | 72991    | 14.004   | ug/l # | 53       |
| 20) Methylene Chloride        | 2.788  | 84    | 842      | 0.426    | ug/l # | 66       |
| 31) Cyclohexane               | 5.544  | 56    | 2963     | 1.007    | ug/l # | 1        |
| 32) 1,1,1-Trichloroethane     | 5.397  | 97    | 1350     | 0.487    | ug/l # | 34       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 11273    | 4.137    | ug/l # | 53       |
| 44) Trichloroethene           | 7.123  | 130   | 201915   | 102.929  | ug/l   | 94       |
| 64) Tetrachloroethene         | 9.275  | 164   | 715      | 0.424    | ug/l # | 66       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 72240    | 21.426   | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 72240    | 47.526   | ug/l # | 5        |
| -----                         |        |       |          |          |        |          |

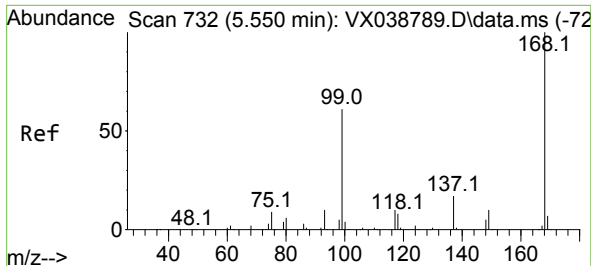
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111623\  
Data File : VX038863.D  
Acq On : 17 Nov 2023 01:09  
Operator : JC/MD  
Sample : 05241-14  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Nov 17 03:24:03 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 16 22:59:22 2023  
Response via : Initial Calibration

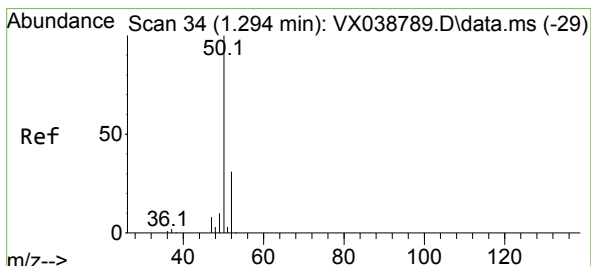
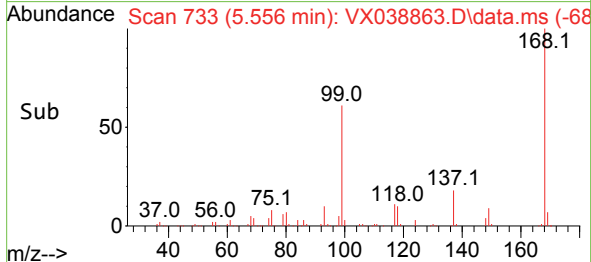
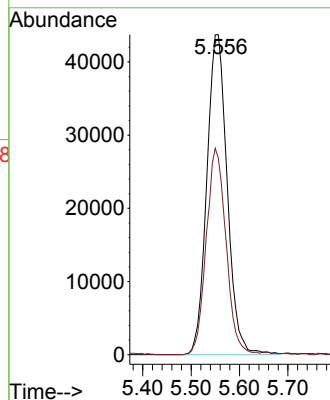
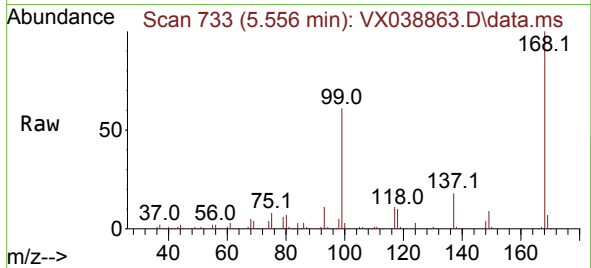




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX038863.D  
Acq: 17 Nov 2023 01:09

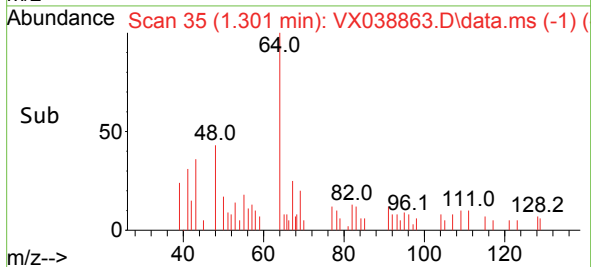
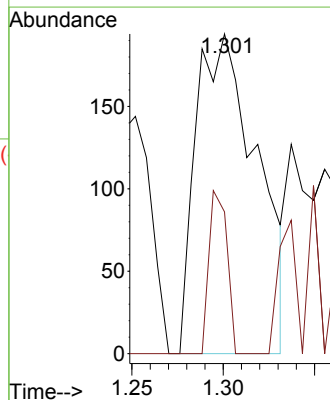
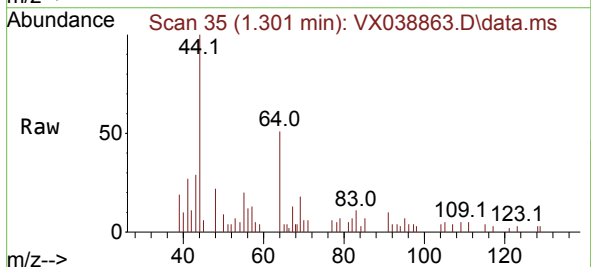
Instrument :  
MSVOA\_X  
ClientSampleId :

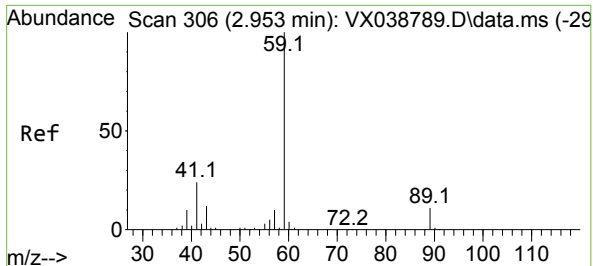
Tgt Ion:168 Resp: 127921  
Ion Ratio Lower Upper  
168 100  
99 61.5 56.6 85.0



#3  
Chloromethane  
Concen: 0.232 ug/l  
RT: 1.301 min Scan# 35  
Delta R.T. 0.007 min  
Lab File: VX038863.D  
Acq: 17 Nov 2023 01:09

Tgt Ion: 50 Resp: 452  
Ion Ratio Lower Upper  
50 100  
52 44.3 25.5 38.3#





#11

Tert butyl alcohol

Concen: 0.771 ug/l

RT: 2.959 min Scan# 306

Delta R.T. 0.006 min

Lab File: VX038863.D

Acq: 17 Nov 2023 01:09

Instrument :

MSVOA\_X

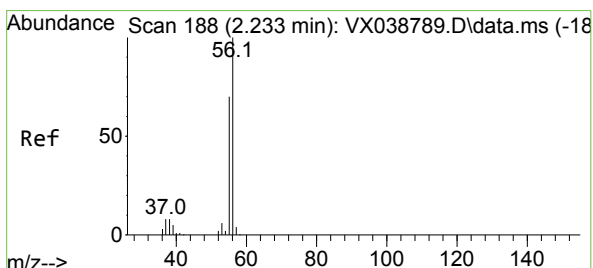
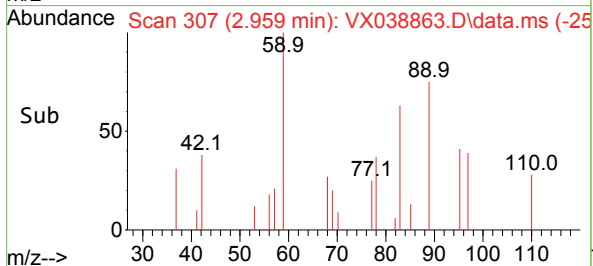
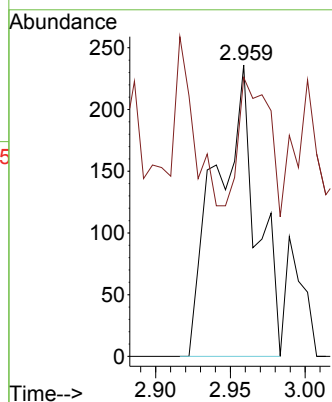
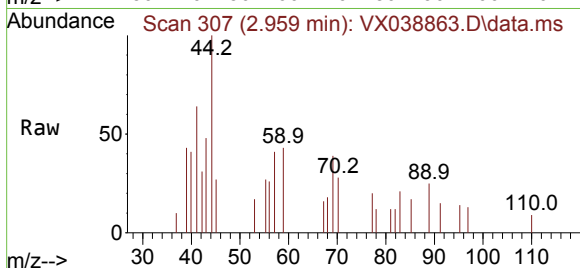
ClientSampleId :

Tgt Ion: 59 Resp: 442

Ion Ratio Lower Upper

59 100

57 36.2 6.0 9.0#



#13

Acrolein

Concen: 0.323 ug/l

RT: 2.240 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX038863.D

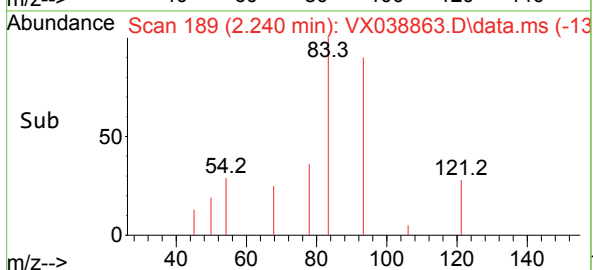
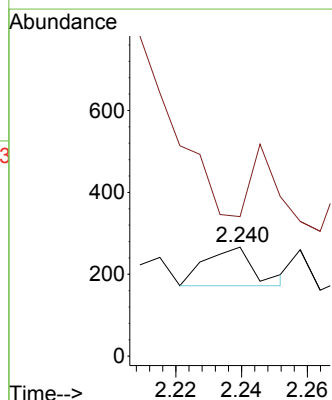
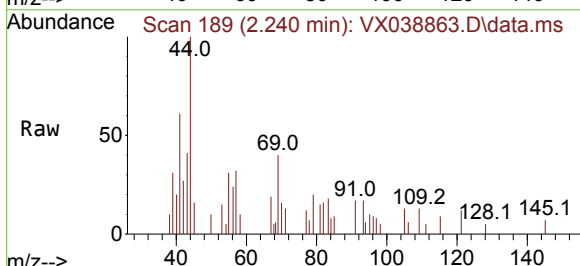
Acq: 17 Nov 2023 01:09

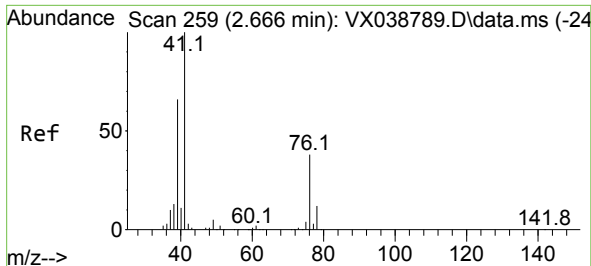
Tgt Ion: 56 Resp: 98

Ion Ratio Lower Upper

56 100

55 120.4 57.1 85.7#

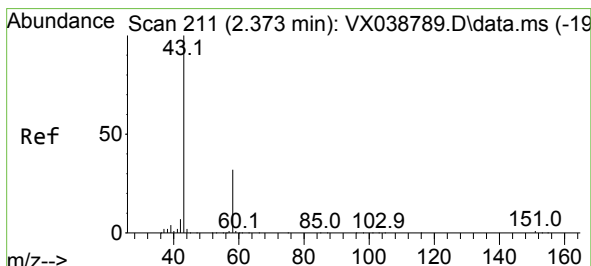
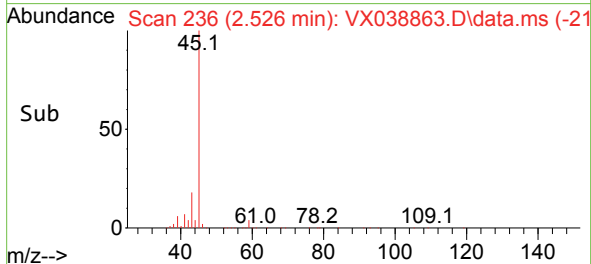
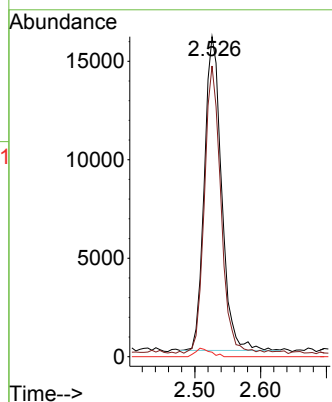
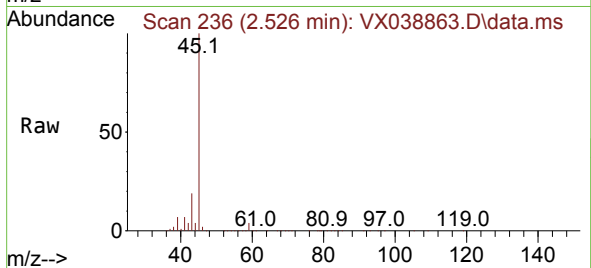




#14  
 Allyl chloride  
 Concen: 9.114 ug/l  
 RT: 2.526 min Scan# 21  
 Delta R.T. -0.140 min  
 Lab File: VX038863.D  
 Acq: 17 Nov 2023 01:09

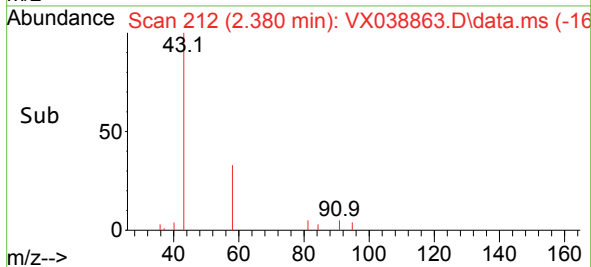
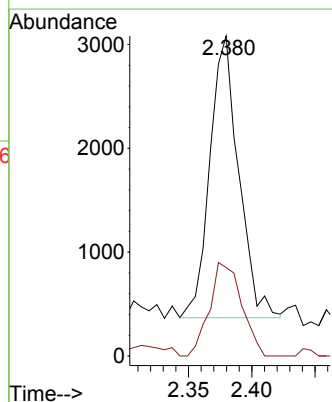
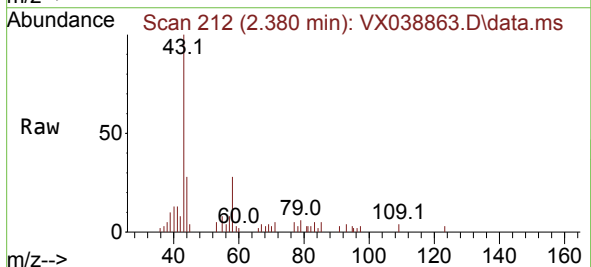
Instrument :  
 MSVOA\_X  
 ClientSampleId :

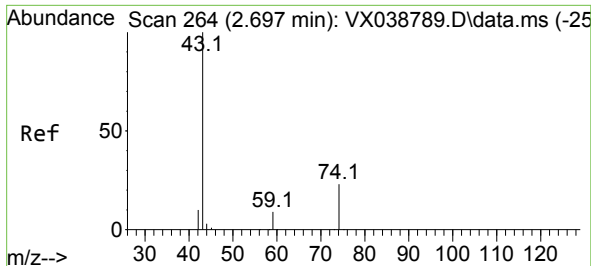
Tgt Ion: 41 Resp: 29095  
 Ion Ratio Lower Upper  
 41 100  
 39 87.3 55.8 83.6#  
 76 2.3 24.3 36.5#



#16  
 Acetone  
 Concen: 3.923 ug/l  
 RT: 2.380 min Scan# 212  
 Delta R.T. 0.006 min  
 Lab File: VX038863.D  
 Acq: 17 Nov 2023 01:09

Tgt Ion: 43 Resp: 4305  
 Ion Ratio Lower Upper  
 43 100  
 58 31.4 21.9 32.9

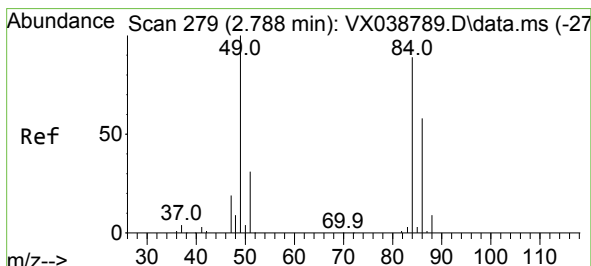
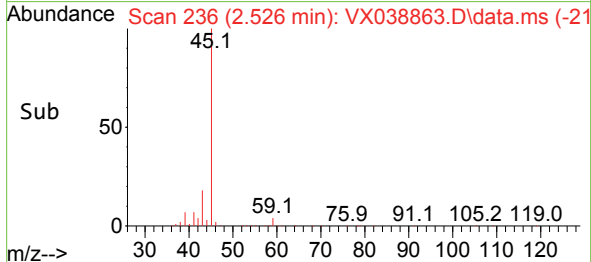
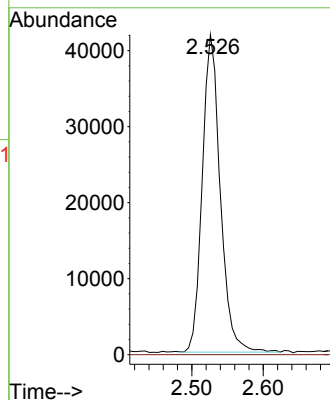
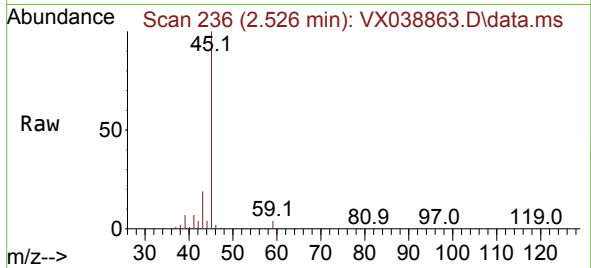




#18  
Methyl Acetate  
Concen: 14.004 ug/l  
RT: 2.526 min Scan# 21  
Delta R.T. -0.171 min  
Lab File: VX038863.D  
Acq: 17 Nov 2023 01:09

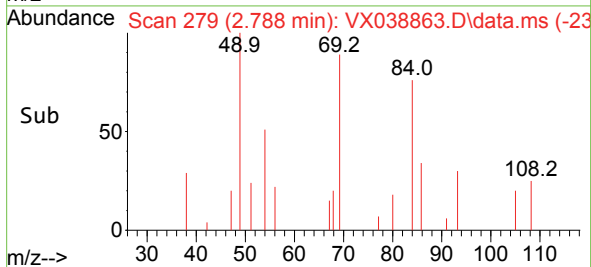
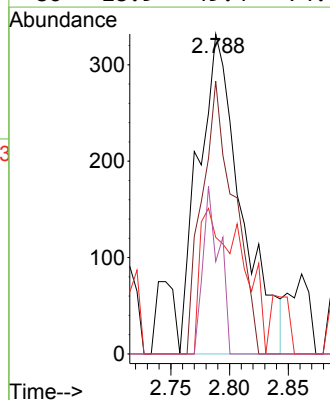
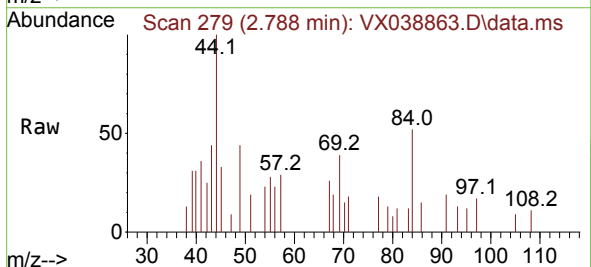
Instrument :  
MSVOA\_X  
ClientSampleId :

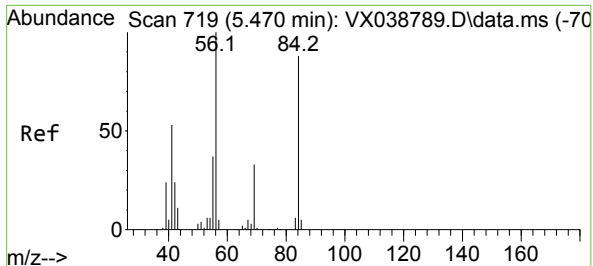
Tgt Ion: 43 Resp: 72991  
Ion Ratio Lower Upper  
43 100  
74 0.0 17.8 26.8#



#20  
Methylene Chloride  
Concen: 0.426 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX038863.D  
Acq: 17 Nov 2023 01:09

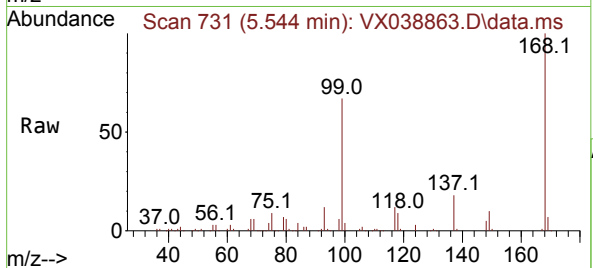
Tgt Ion: 84 Resp: 842  
Ion Ratio Lower Upper  
84 100  
49 85.2 103.6 155.4#  
51 36.4 33.8 50.6  
86 28.9 49.4 74.0#



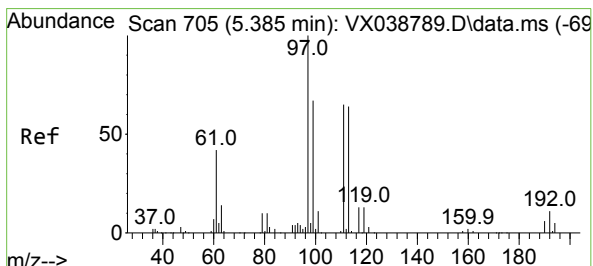
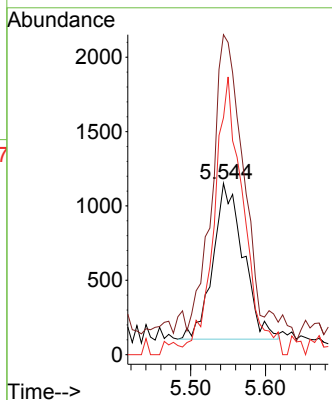
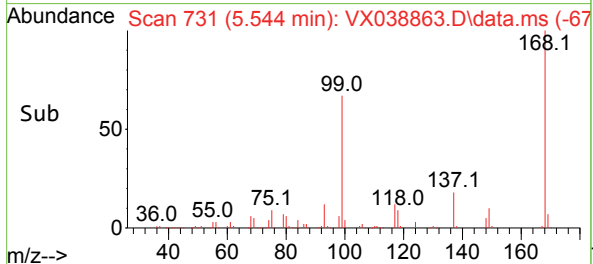


#31  
Cyclohexane  
Concen: 1.007 ug/l  
RT: 5.544 min Scan# 719  
Delta R.T. 0.073 min  
Lab File: VX038863.D  
Acq: 17 Nov 2023 01:09

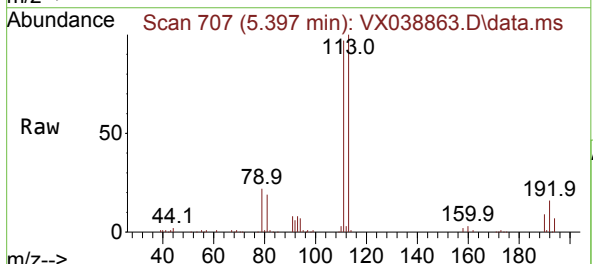
Instrument :  
MSVOA\_X  
ClientSampleId :



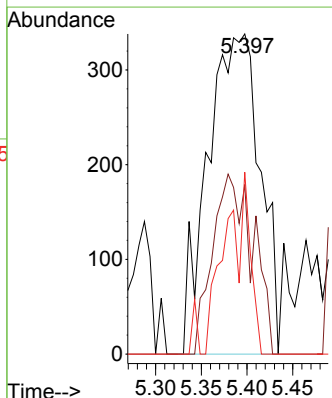
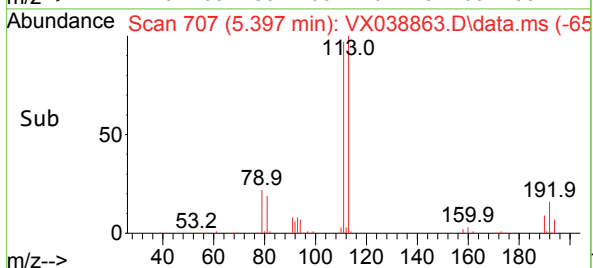
Tgt Ion: 56 Resp: 2963  
Ion Ratio Lower Upper  
56 100  
69 184.5 23.4 35.2#  
84 146.3 65.9 98.9#

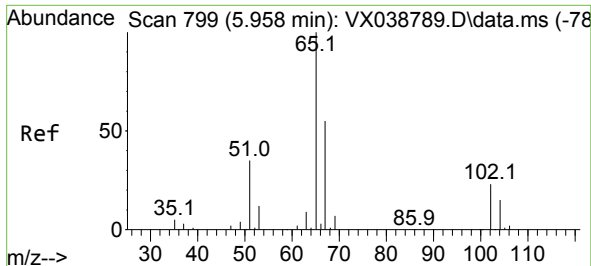


#32  
1,1,1-Trichloroethane  
Concen: 0.487 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.012 min  
Lab File: VX038863.D  
Acq: 17 Nov 2023 01:09



Tgt Ion: 97 Resp: 1350  
Ion Ratio Lower Upper  
97 100  
99 0.0 51.1 76.7#  
61 17.2 36.4 54.6#





#33

1,2-Dichloroethane-d4

Concen: 47.555 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX038863.D

Acq: 17 Nov 2023 01:09

Instrument :

MSVOA\_X

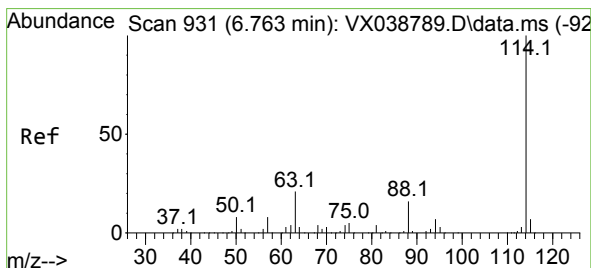
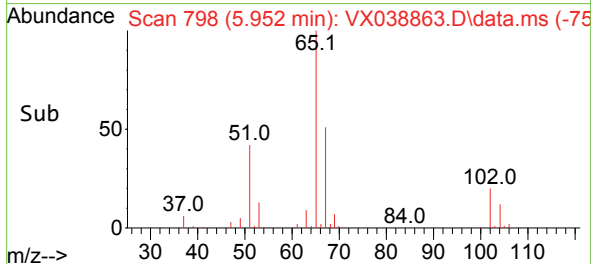
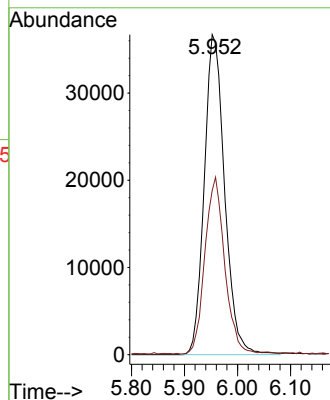
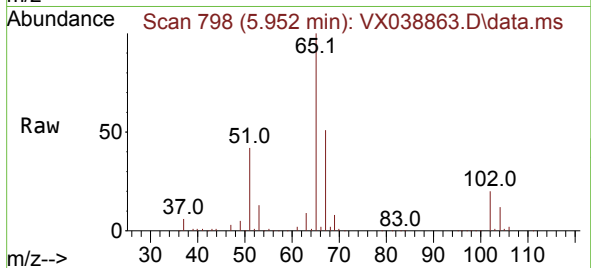
ClientSampleId :

Tgt Ion: 65 Resp: 98023

Ion Ratio Lower Upper

65 100

67 53.5 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: VX038863.D

Acq: 17 Nov 2023 01:09

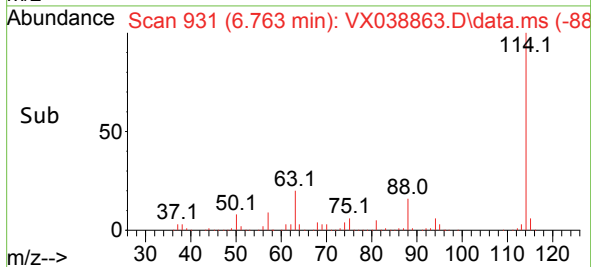
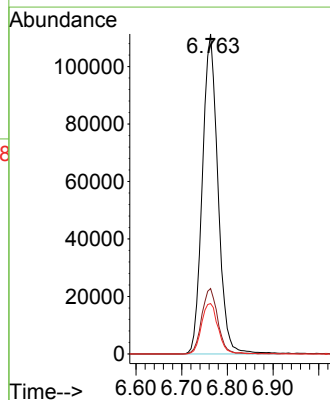
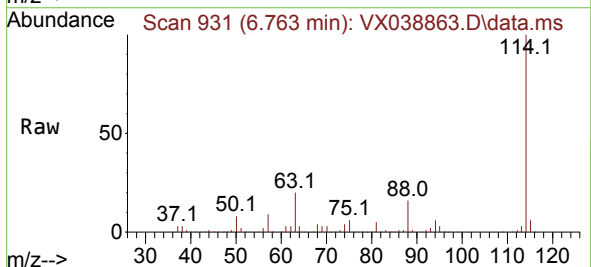
Tgt Ion:114 Resp: 263240

Ion Ratio Lower Upper

114 100

63 20.5 0.0 45.0

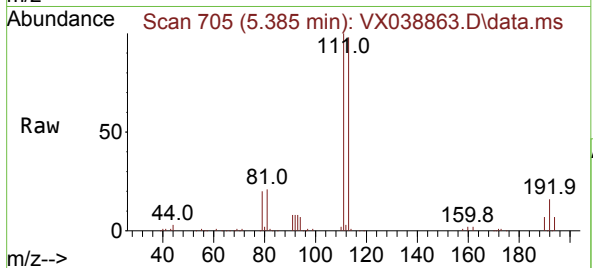
88 15.8 0.0 36.6



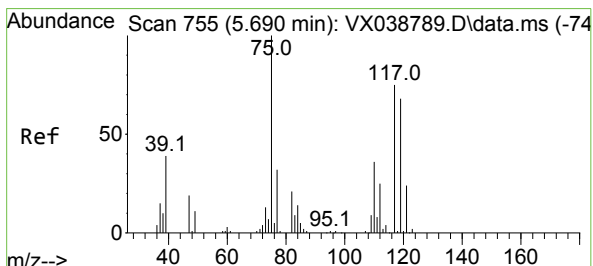
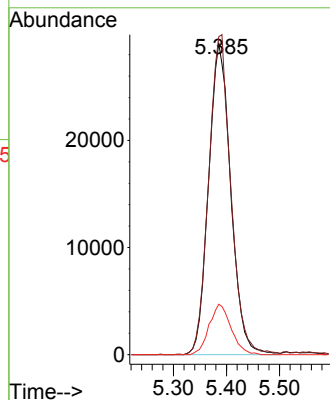
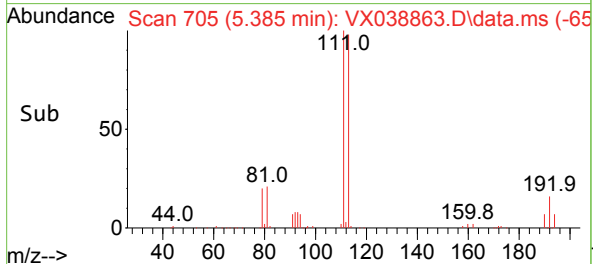


#35  
Dibromofluoromethane  
Concen: 44.396 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX038863.D  
Acq: 17 Nov 2023 01:09

Instrument :  
MSVOA\_X  
ClientSampleId :

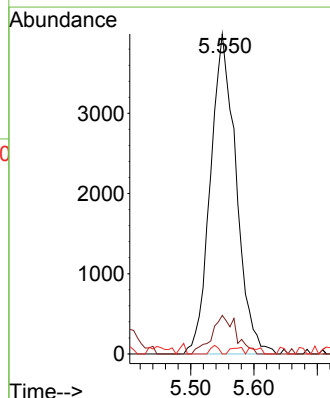
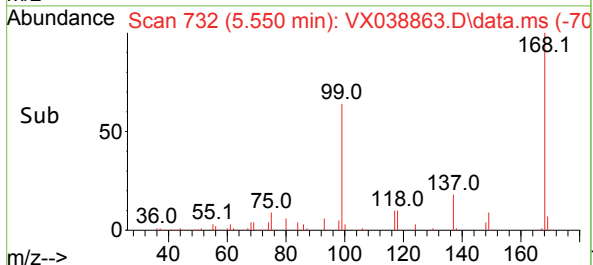
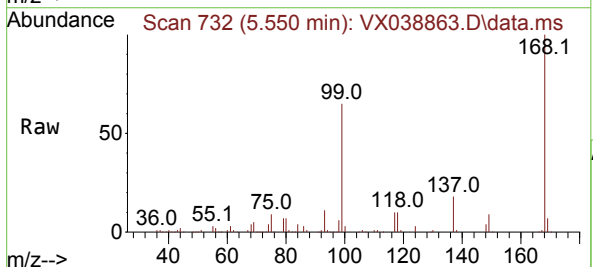


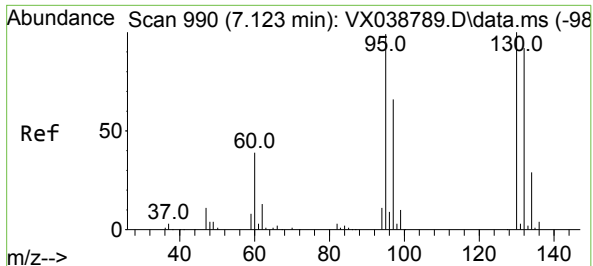
Tgt Ion:113 Resp: 84404  
Ion Ratio Lower Upper  
113 100  
111 102.6 82.9 124.3  
192 16.1 13.3 19.9



#36  
1,1-Dichloropropene  
Concen: 4.137 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.140 min  
Lab File: VX038863.D  
Acq: 17 Nov 2023 01:09

Tgt Ion: 75 Resp: 11273  
Ion Ratio Lower Upper  
75 100  
110 11.5 17.0 50.9#  
77 0.8 24.7 37.1#

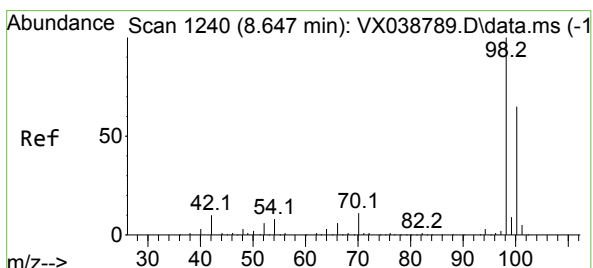
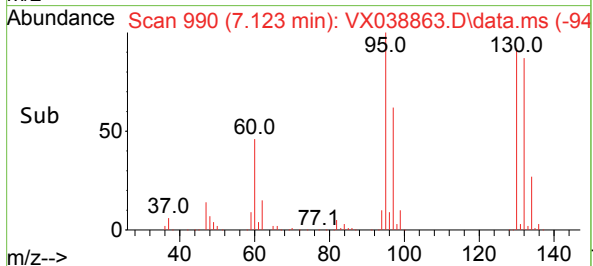
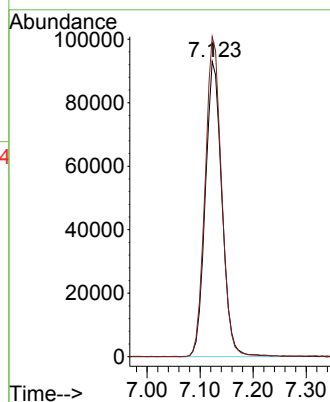
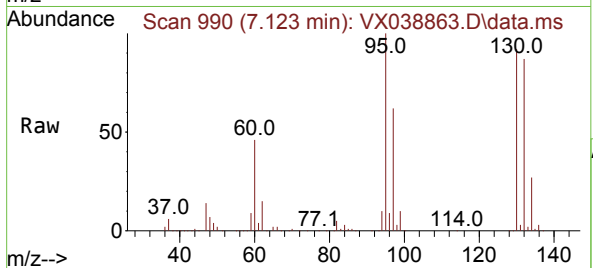




#44  
 Trichloroethene  
 Concen: 102.929 ug/l  
 RT: 7.123 min Scan# 990  
 Delta R.T. 0.000 min  
 Lab File: VX038863.D  
 Acq: 17 Nov 2023 01:09

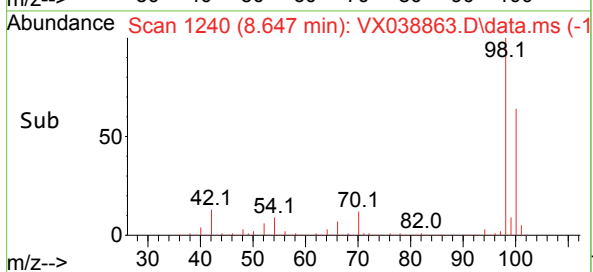
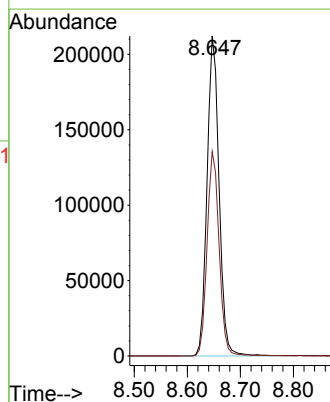
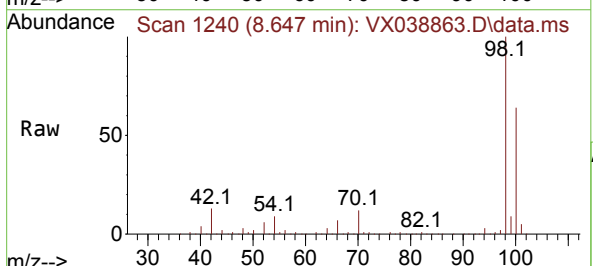
Instrument :  
 MSVOA\_X  
 ClientSampleId :

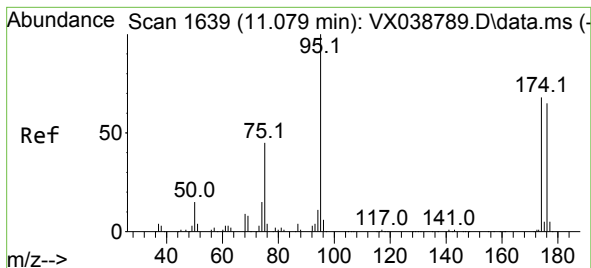
Tgt Ion:130 Resp: 201915  
 Ion Ratio Lower Upper  
 130 100  
 95 108.4 0.0 204.4



#50  
 Toluene-d8  
 Concen: 45.770 ug/l  
 RT: 8.647 min Scan# 1240  
 Delta R.T. 0.000 min  
 Lab File: VX038863.D  
 Acq: 17 Nov 2023 01:09

Tgt Ion: 98 Resp: 332931  
 Ion Ratio Lower Upper  
 98 100  
 100 64.2 53.1 79.7

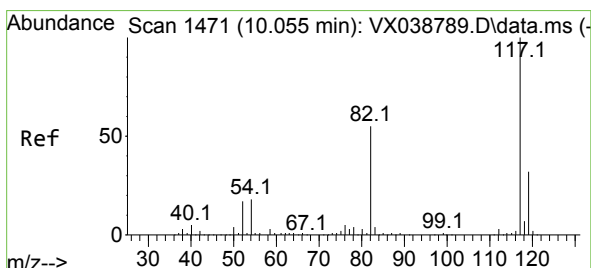
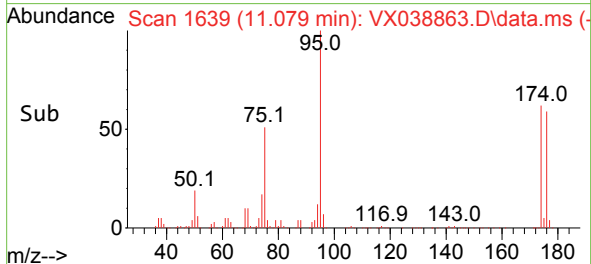
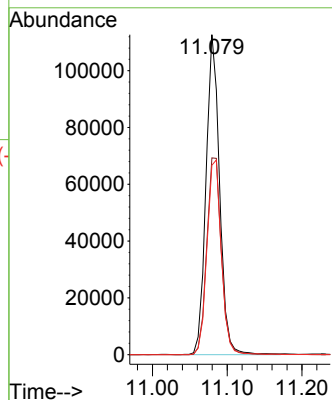
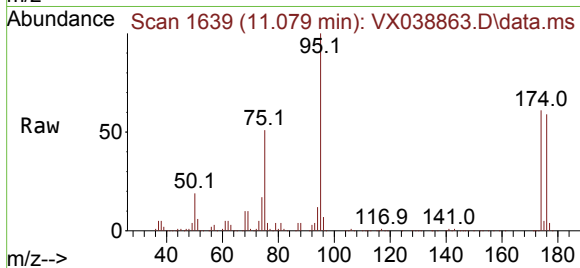




#62  
4-Bromofluorobenzene  
Concen: 48.895 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX038863.D  
Acq: 17 Nov 2023 01:09

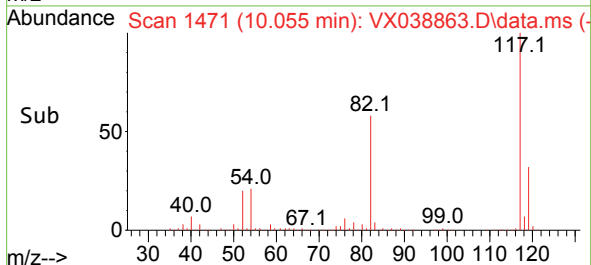
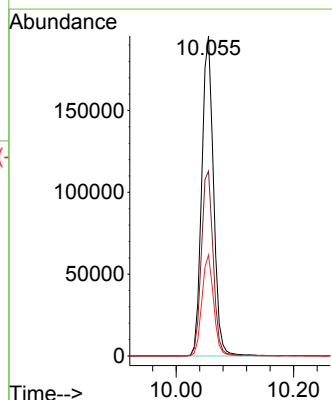
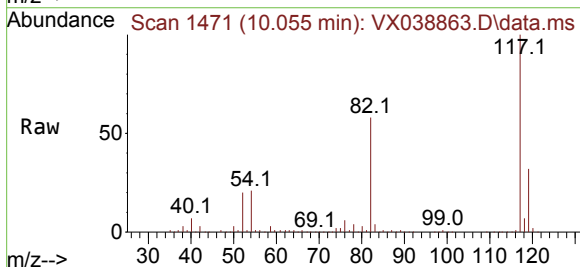
Instrument :  
MSVOA\_X  
ClientSampleId :

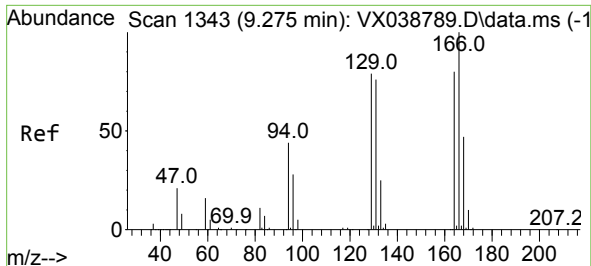
Tgt Ion: 95 Resp: 142375  
Ion Ratio Lower Upper  
95 100  
174 66.3 0.0 135.6  
176 64.2 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX038863.D  
Acq: 17 Nov 2023 01:09

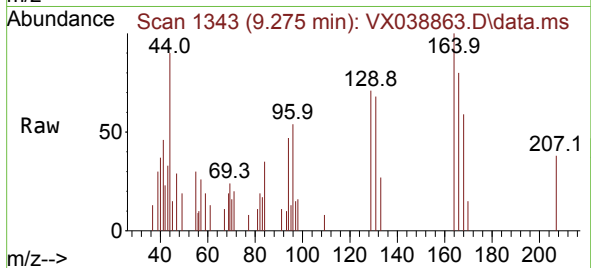
Tgt Ion: 117 Resp: 271088  
Ion Ratio Lower Upper  
117 100  
82 57.7 46.2 69.4  
119 31.6 25.5 38.3



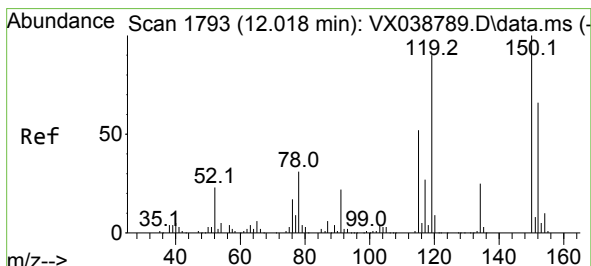
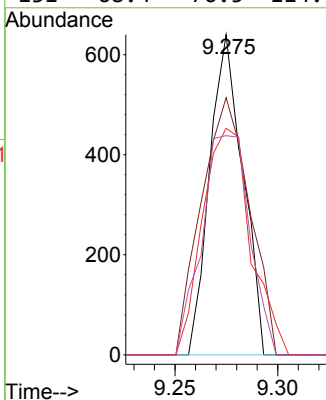
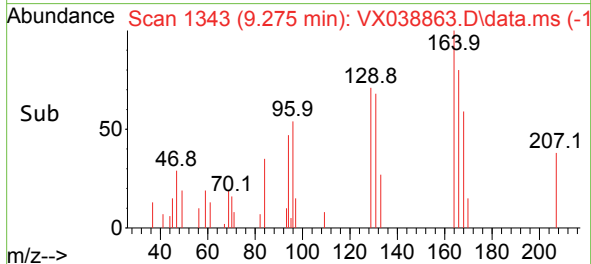


#64  
Tetrachloroethene  
Concen: 0.424 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX038863.D  
Acq: 17 Nov 2023 01:09

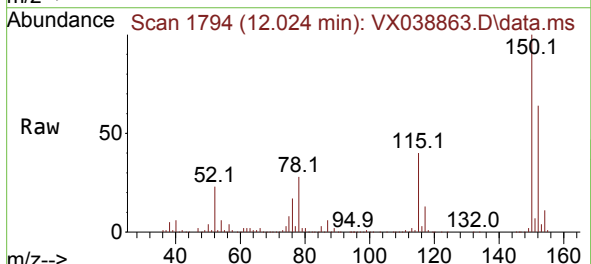
Instrument :  
MSVOA\_X  
ClientSampleId :



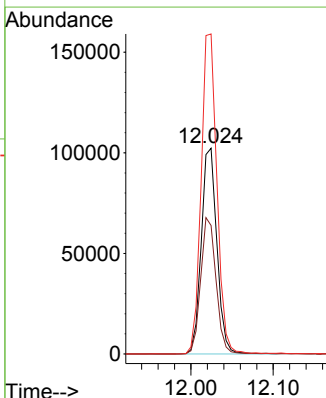
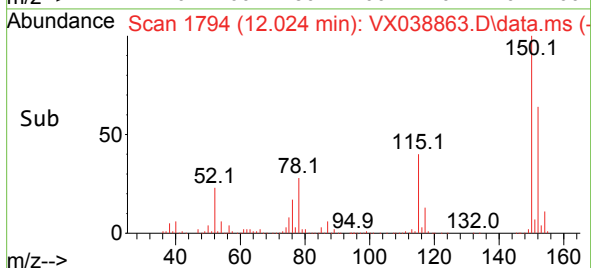
Tgt Ion:164 Resp: 715  
Ion Ratio Lower Upper  
164 100  
166 80.3 102.7 154.1#  
129 70.8 80.4 120.6#  
131 68.4 76.5 114.7#

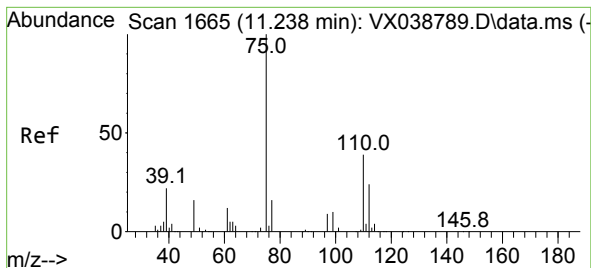


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.006 min  
Lab File: VX038863.D  
Acq: 17 Nov 2023 01:09



Tgt Ion:152 Resp: 135134  
Ion Ratio Lower Upper  
152 100  
115 65.0 43.3 129.9  
150 157.1 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 21.426 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038863.D

Acq: 17 Nov 2023 01:09

Instrument :

MSVOA\_X

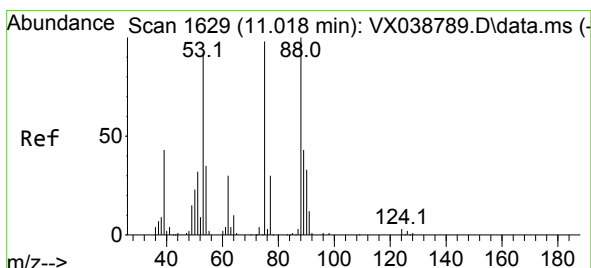
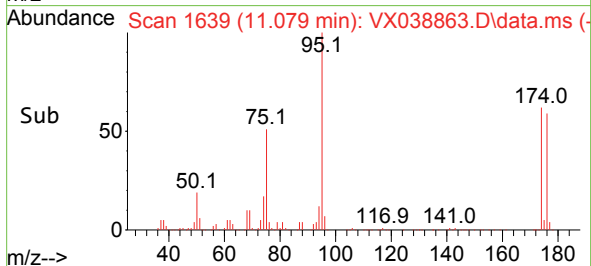
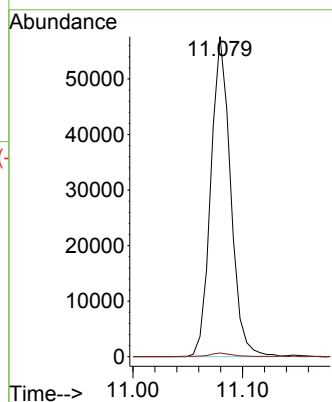
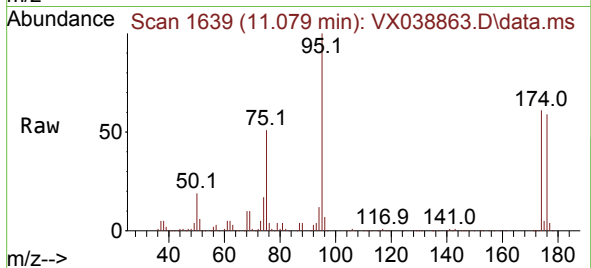
ClientSampleId :

Tgt Ion: 75 Resp: 72240

Ion Ratio Lower Upper

75 100

77 1.5 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 47.526 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038863.D

Acq: 17 Nov 2023 01:09

Tgt Ion: 75 Resp: 72240

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.1 36.9 55.3#

