

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041422\  
 Data File : VX028097.D  
 Acq On : 14 Apr 2022 10:38  
 Operator : JC/MD  
 Sample : VX0414WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0414WBL01

Quant Time: Apr 15 03:11:24 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041222W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 12 22:07:23 2022  
 Response via : Initial Calibration

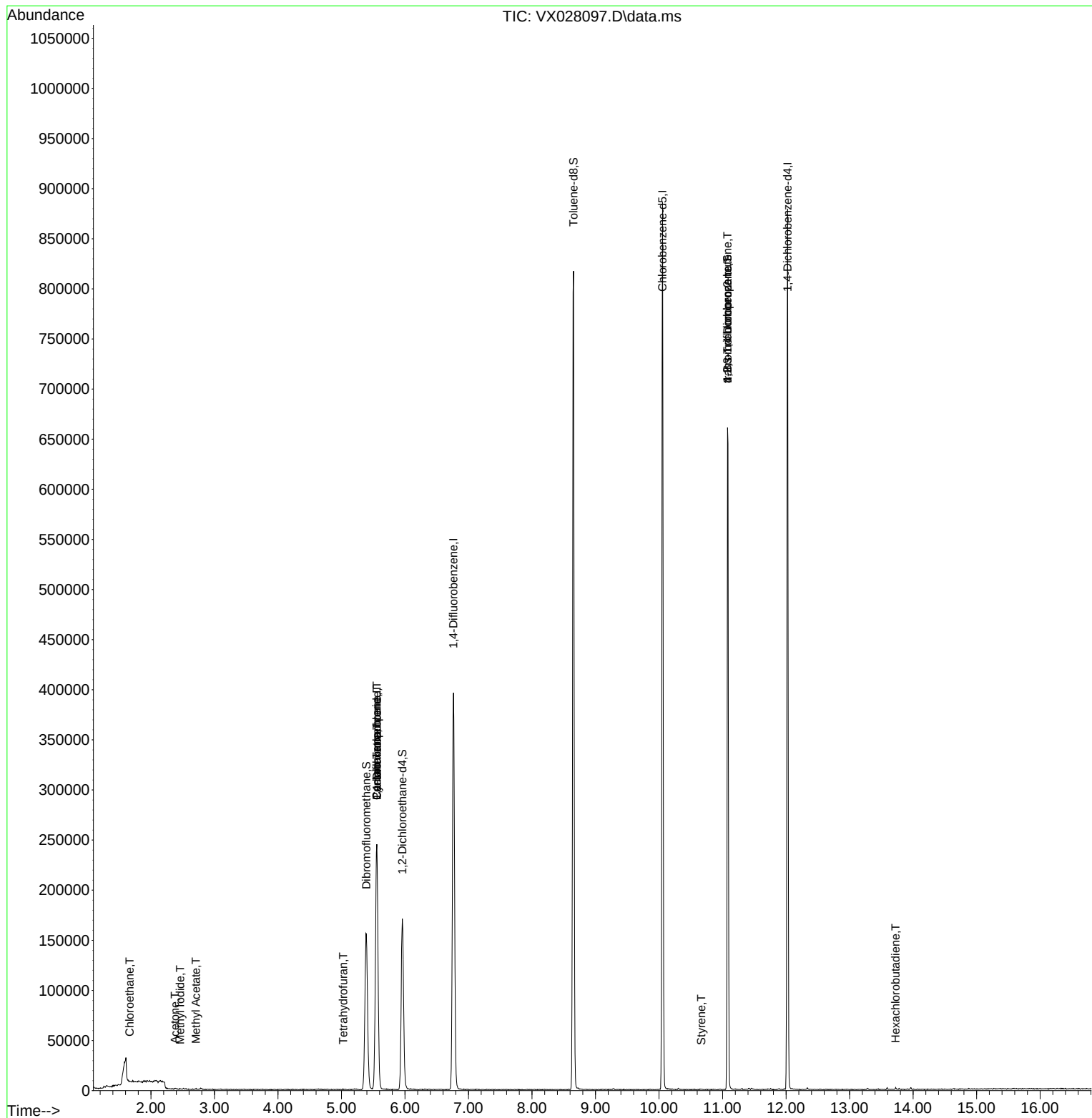
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 5.556          | 168  | 236956     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 406989     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 380837     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 171573     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 153694     | 47.809    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 95.620%   |        |          |
| 35) Dibromofluoromethane      | 5.391          | 113  | 131664     | 49.370    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 98.740%   |        |          |
| 50) Toluene-d8                | 8.653          | 98   | 490970     | 49.362    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 98.720%   |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 160056     | 43.099    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 86.200%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
|                               |                |      |            |           | Qvalue |          |
| 6) Chloroethane               | 1.666          | 64   | 86         | 2.635     | ug/l # | 43       |
| 10) Methyl Iodide             | 2.459          | 142  | 613        | 0.220     | ug/l # | 88       |
| 13) Acrolein                  | 2.215          | 56   | 274        | Below Cal | #      | 1        |
| 16) Acetone                   | 2.380          | 43   | 1301       | 0.971     | ug/l # | 65       |
| 18) Methyl Acetate            | 2.709          | 43   | 1048       | 0.293     | ug/l # | 60       |
| 29) Tetrahydrofuran           | 5.026          | 42   | 335        | 0.221     | ug/l # | 31       |
| 31) Cyclohexane               | 5.556          | 56   | 5499       | 1.244     | ug/l # | 44       |
| 36) 1,1-Dichloropropene       | 5.556          | 75   | 18802      | 4.619     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.556          | 117  | 24067      | 5.539     | ug/l # | 14       |
| 70) Styrene                   | 10.665         | 104  | 129        | 4.714     | ug/l # | 80       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 90484      | 23.689    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 90484      | 66.720    | ug/l # | 15       |
| 94) Hexachlorobutadiene       | 13.725         | 225  | 288        | 0.220     | ug/l   | 90       |
| -----                         |                |      |            |           |        |          |

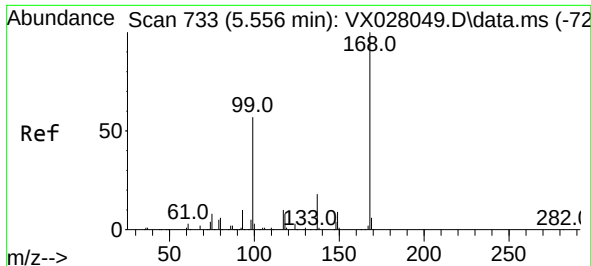
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041422\  
Data File : VX028097.D  
Acq On : 14 Apr 2022 10:38  
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Sample : VX0414WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0414WBL01

Quant Time: Apr 15 03:11:24 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041222W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 12 22:07:23 2022  
Response via : Initial Calibration

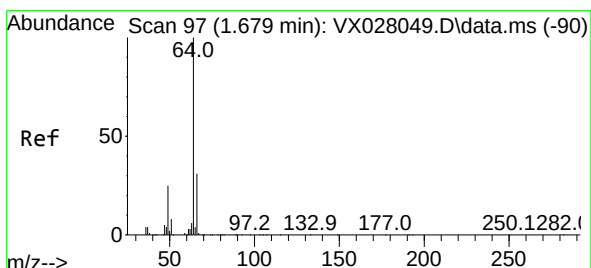
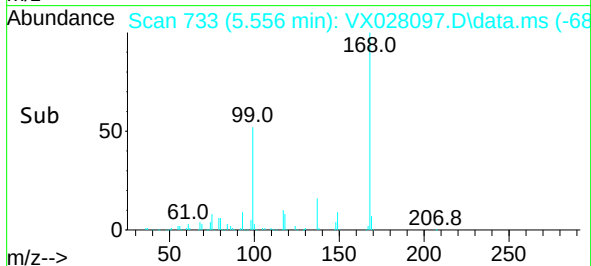
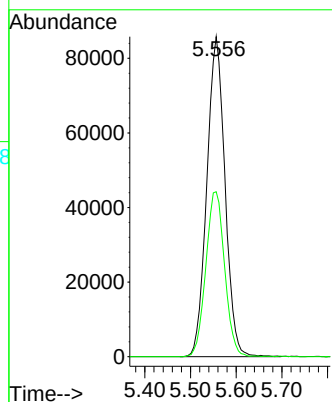
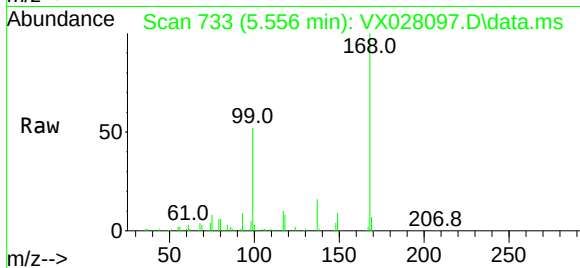




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX028097.D  
Acq: 14 Apr 2022 10:38

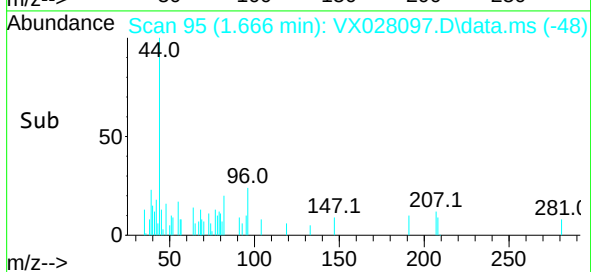
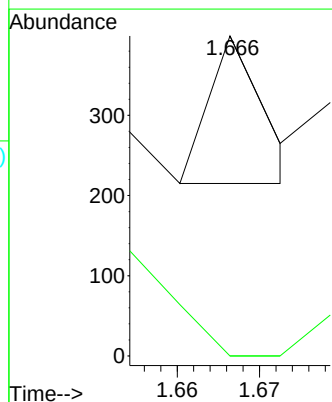
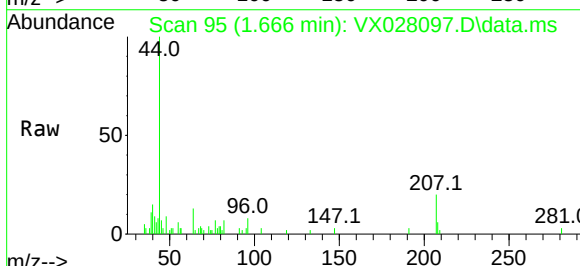
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0414WBL01

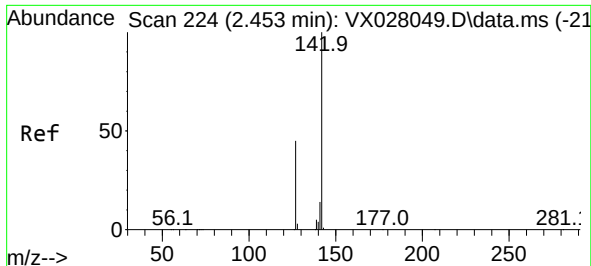
Tgt Ion:168 Resp: 236956  
Ion Ratio Lower Upper  
168 100  
99 51.6 41.7 62.5



#6  
Chloroethane  
Concen: 2.635 ug/l  
RT: 1.666 min Scan# 95  
Delta R.T. -0.013 min  
Lab File: VX028097.D  
Acq: 14 Apr 2022 10:38

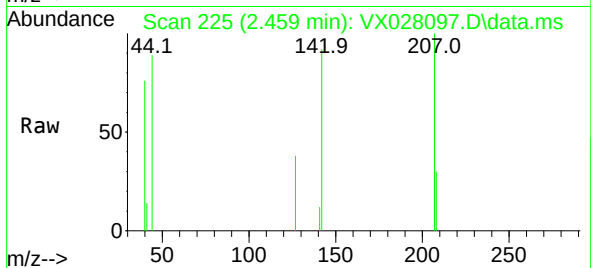
Tgt Ion: 64 Resp: 86  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.3 37.9



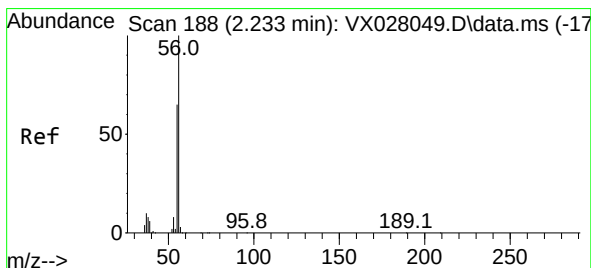
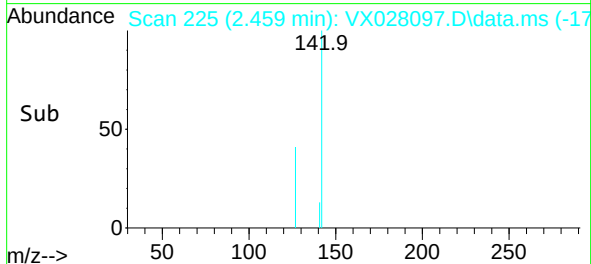
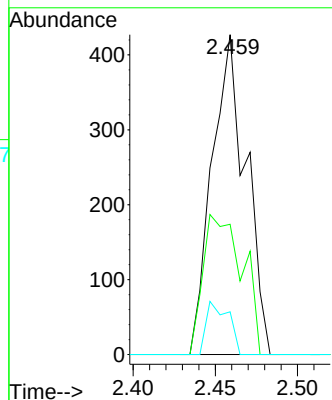


#10  
Methyl Iodide  
Concen: 0.220 ug/l  
RT: 2.459 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX028097.D  
Acq: 14 Apr 2022 10:38

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0414WBL01

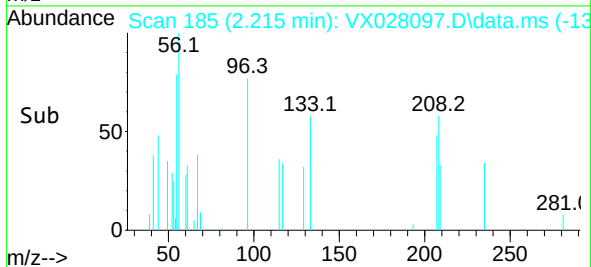
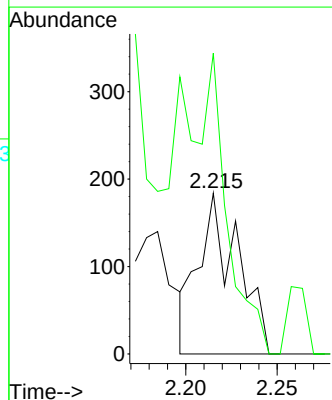
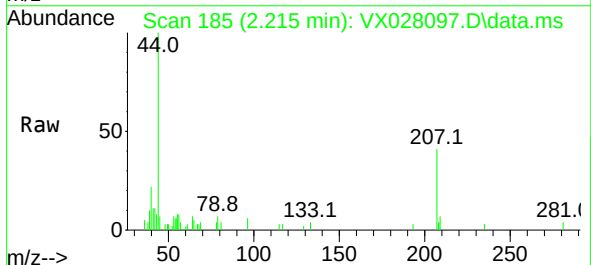


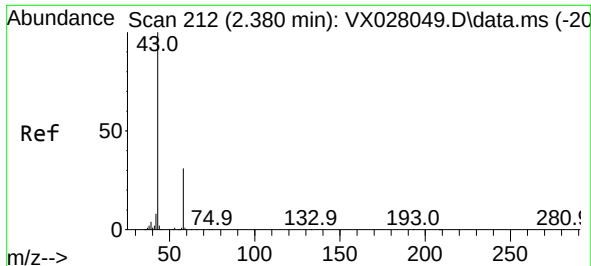
Tgt Ion:142 Resp: 613  
Ion Ratio Lower Upper  
142 100  
127 50.6 33.9 50.9  
141 10.8 11.4 17.2#



#13  
Acrolein  
Concen: Below Cal  
RT: 2.215 min Scan# 185  
Delta R.T. -0.018 min  
Lab File: VX028097.D  
Acq: 14 Apr 2022 10:38

Tgt Ion: 56 Resp: 274  
Ion Ratio Lower Upper  
56 100  
55 225.9 55.0 82.6#

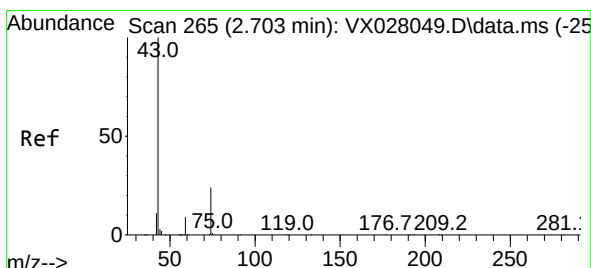
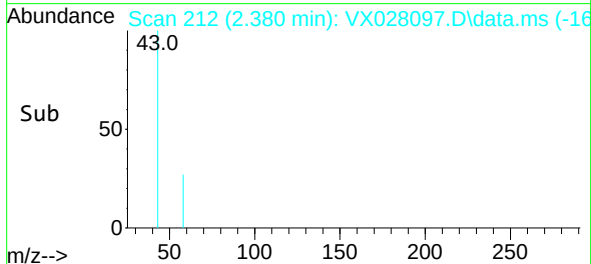
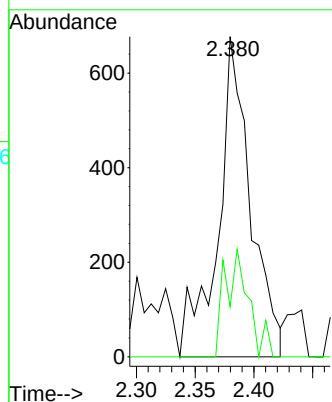
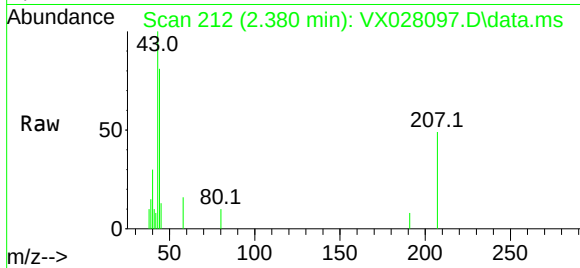




#16  
Acetone  
Concen: 0.971 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VX028097.D  
Acq: 14 Apr 2022 10:38

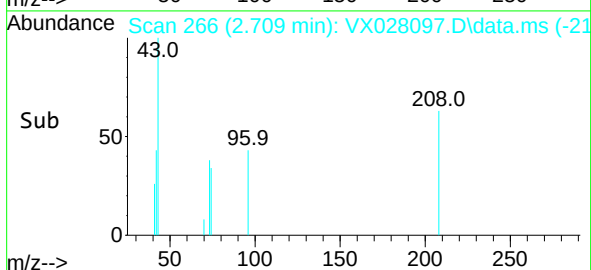
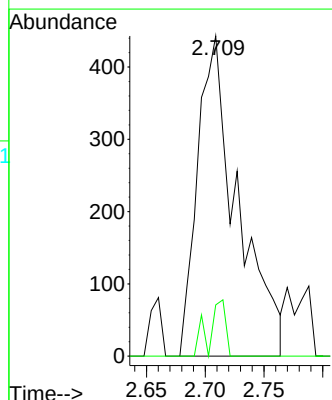
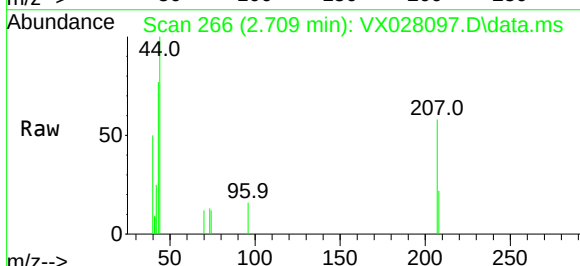
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0414WBL01

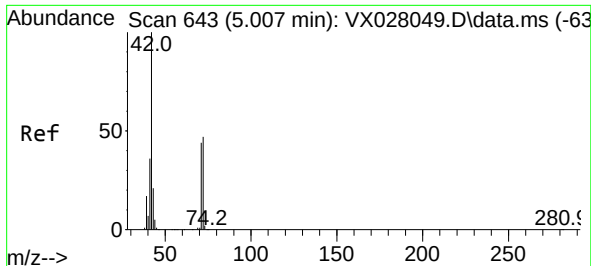
Tgt Ion: 43 Resp: 1301  
Ion Ratio Lower Upper  
43 100  
58 15.7 28.8 43.2#



#18  
Methyl Acetate  
Concen: 0.293 ug/l  
RT: 2.709 min Scan# 266  
Delta R.T. 0.006 min  
Lab File: VX028097.D  
Acq: 14 Apr 2022 10:38

Tgt Ion: 43 Resp: 1048  
Ion Ratio Lower Upper  
43 100  
74 7.2 22.8 34.2#





#29

Tetrahydrofuran

Concen: 0.221 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.019 min

Lab File: VX028097.D

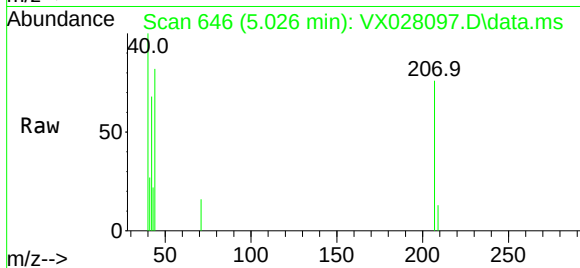
Acq: 14 Apr 2022 10:38

Instrument :

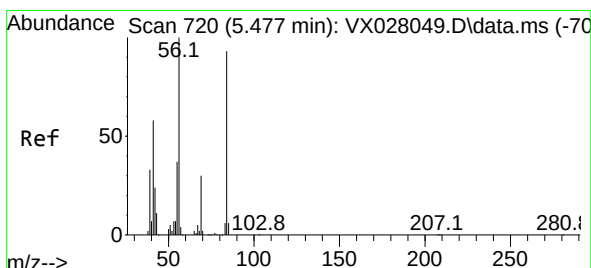
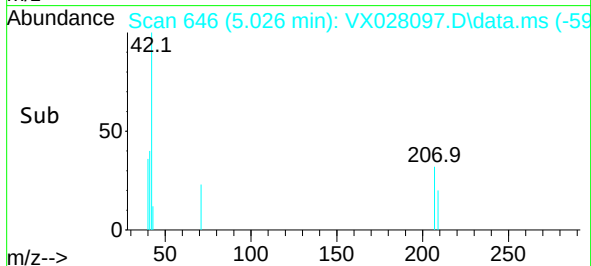
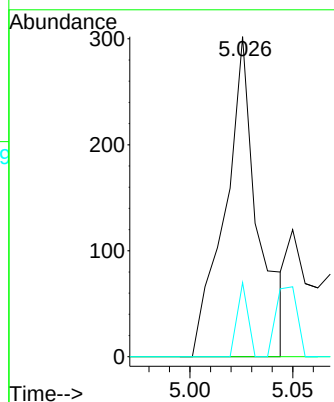
MSVOA\_X

ClientSampleId :

VX0414WBL01



|             |                |
|-------------|----------------|
| Tgt Ion: 42 | Resp: 335      |
| Ion Ratio   | Lower Upper    |
| 42          | 100            |
| 72          | 0.0 44.1 66.1# |
| 71          | 7.8 40.5 60.7# |



#31

Cyclohexane

Concen: 1.244 ug/l

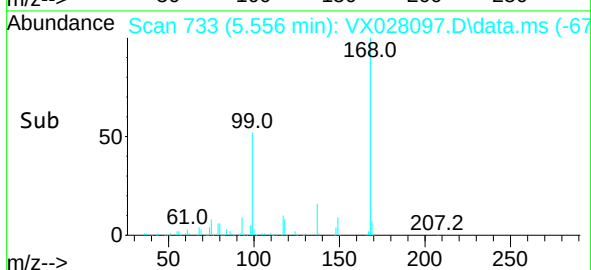
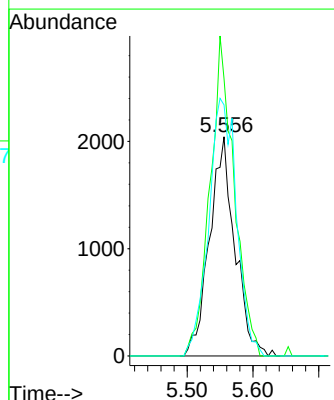
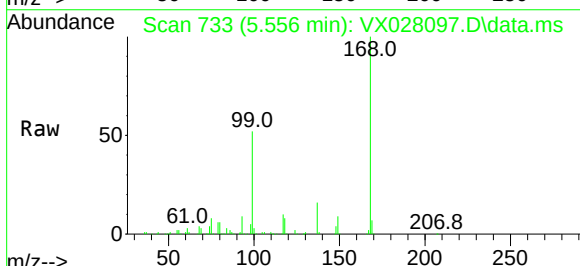
RT: 5.556 min Scan# 733

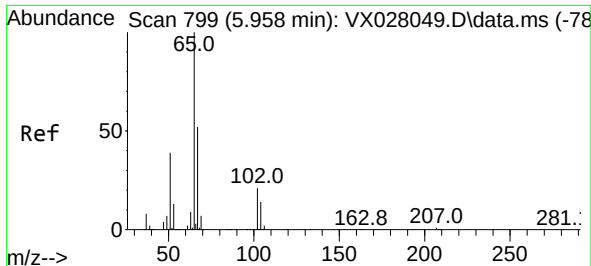
Delta R.T. 0.079 min

Lab File: VX028097.D

Acq: 14 Apr 2022 10:38

|             |                  |
|-------------|------------------|
| Tgt Ion: 56 | Resp: 5499       |
| Ion Ratio   | Lower Upper      |
| 56          | 100              |
| 69          | 126.4 26.7 40.1# |
| 84          | 114.5 77.2 115.8 |

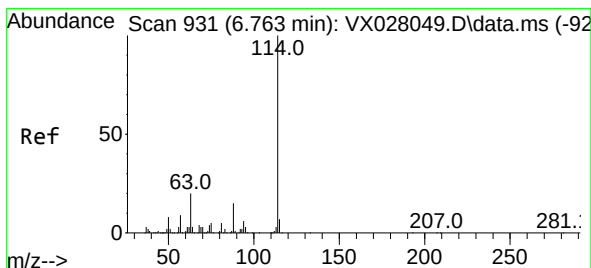
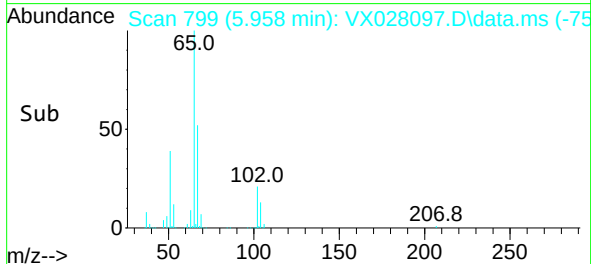
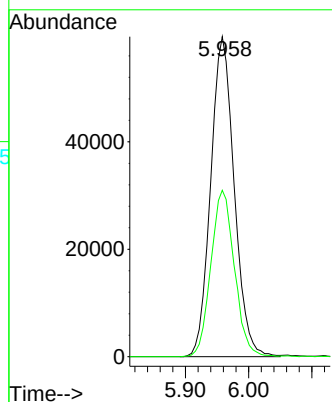
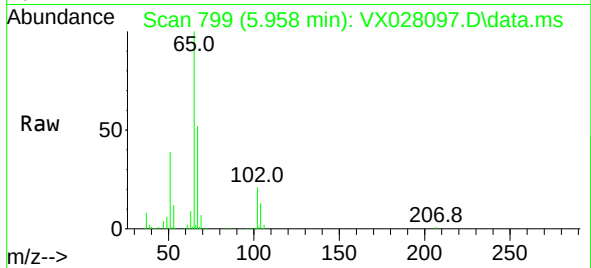




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.809 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. 0.000 min  
 Lab File: VX028097.D  
 Acq: 14 Apr 2022 10:38

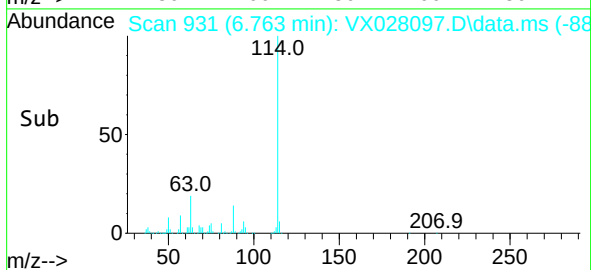
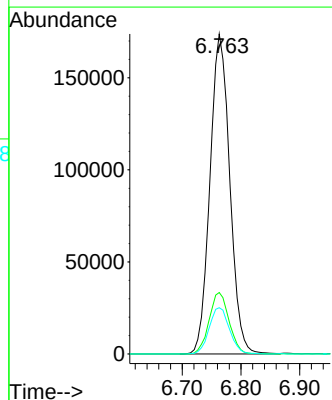
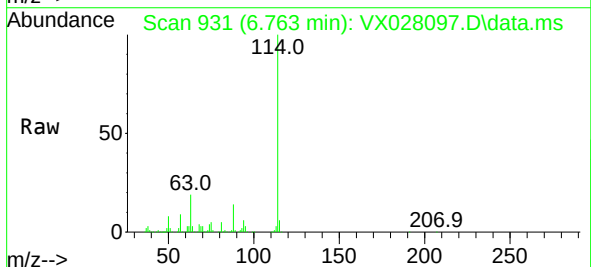
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0414WBL01

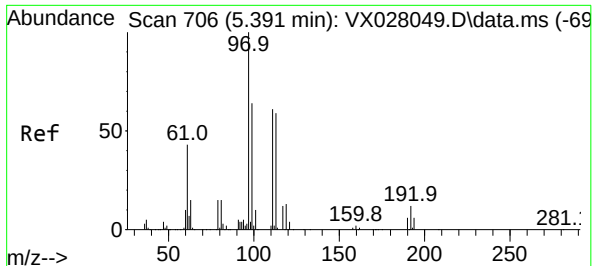
Tgt Ion: 65 Resp: 153694  
 Ion Ratio Lower Upper  
 65 100  
 67 52.0 0.0 107.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. 0.000 min  
 Lab File: VX028097.D  
 Acq: 14 Apr 2022 10:38

Tgt Ion: 114 Resp: 406989  
 Ion Ratio Lower Upper  
 114 100  
 63 19.2 0.0 36.8  
 88 14.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 49.370 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX028097.D

Acq: 14 Apr 2022 10:38

Instrument :

MSVOA\_X

ClientSampleId :

VX0414WBL01

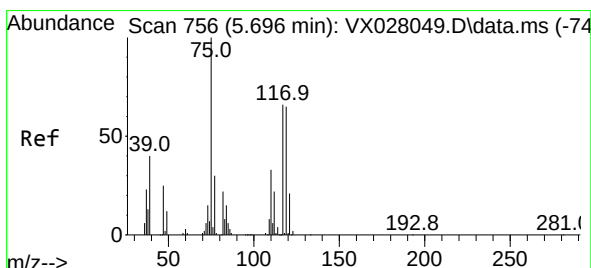
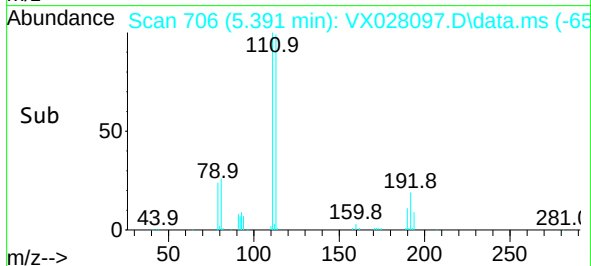
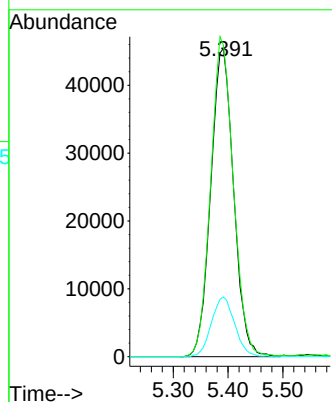
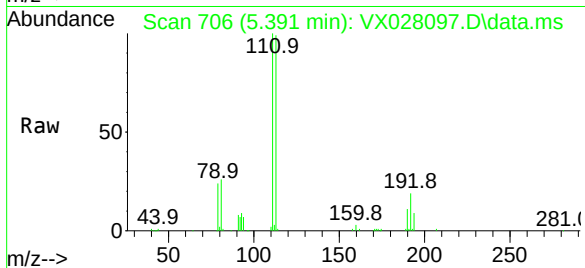
Tgt Ion:113 Resp: 131664

Ion Ratio Lower Upper

113 100

111 103.0 82.8 124.2

192 19.7 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.619 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX028097.D

Acq: 14 Apr 2022 10:38

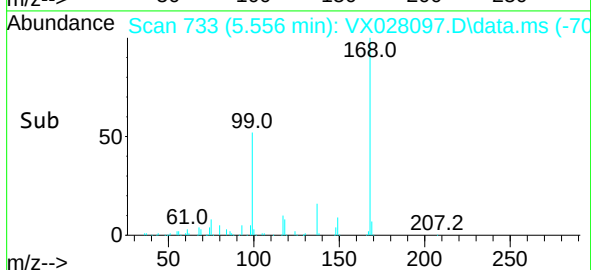
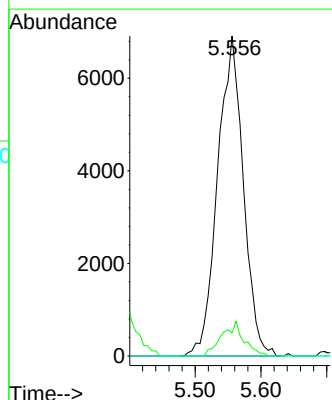
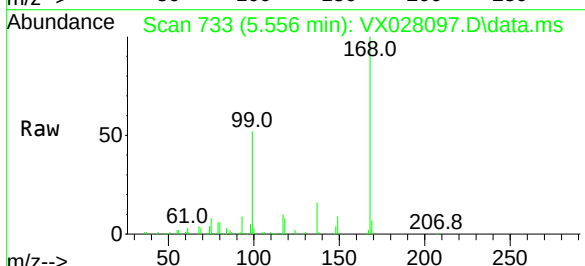
Tgt Ion: 75 Resp: 18802

Ion Ratio Lower Upper

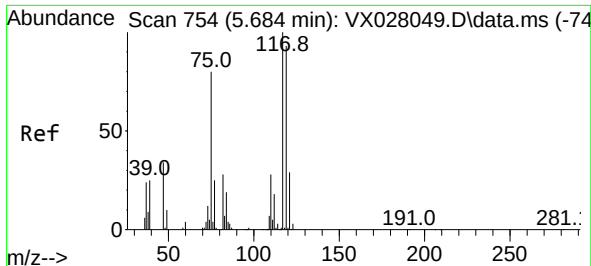
75 100

110 9.2 18.3 54.8#

77 0.0 24.8 37.2#



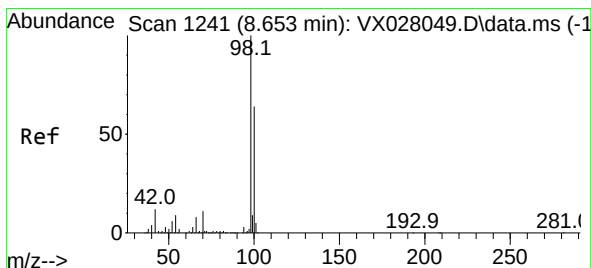
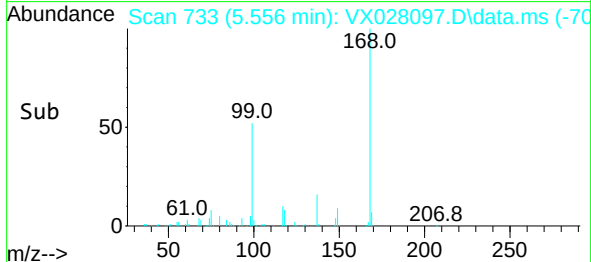
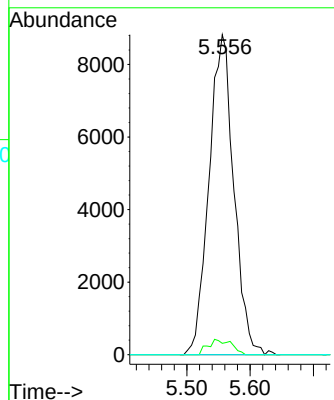
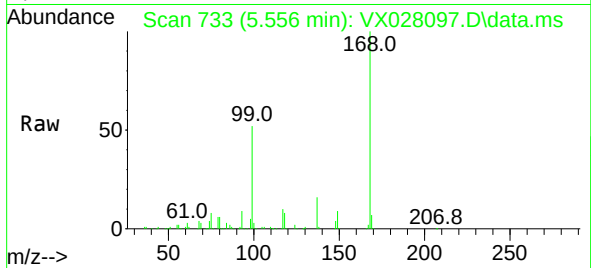




#38  
Carbon Tetrachloride  
Concen: 5.539 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX028097.D  
Acq: 14 Apr 2022 10:38

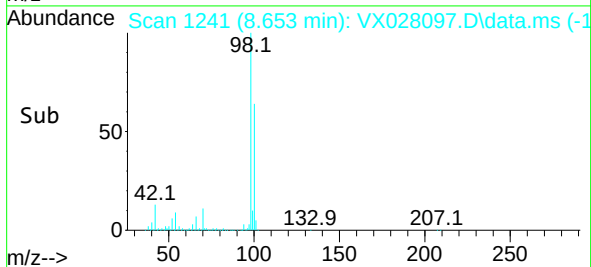
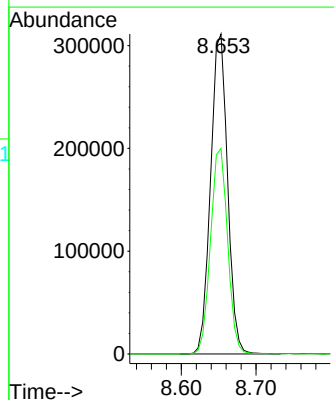
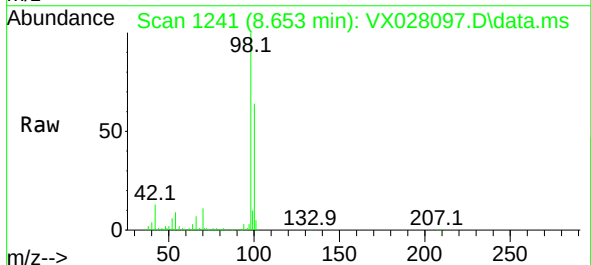
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0414WBL01

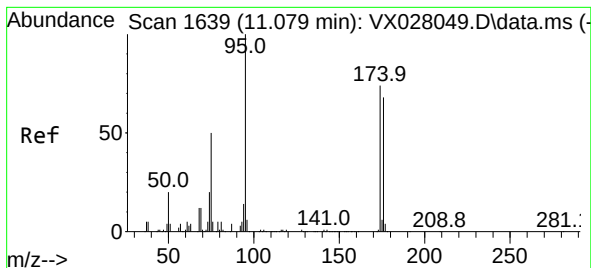
Tgt Ion:117 Resp: 24067  
Ion Ratio Lower Upper  
117 100  
119 3.6 77.3 115.9#  
121 0.0 24.2 36.2#



#50  
Toluene-d8  
Concen: 49.362 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX028097.D  
Acq: 14 Apr 2022 10:38

Tgt Ion: 98 Resp: 490970  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.6 78.8

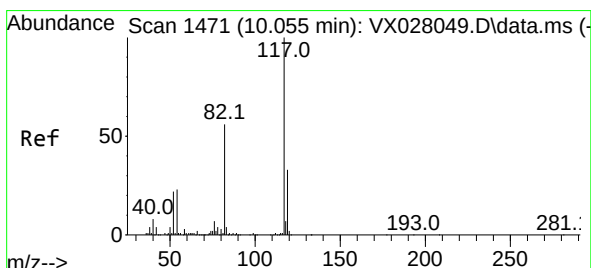
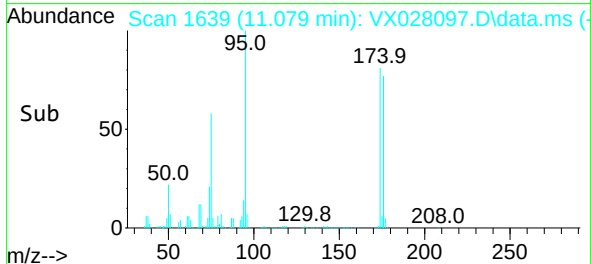
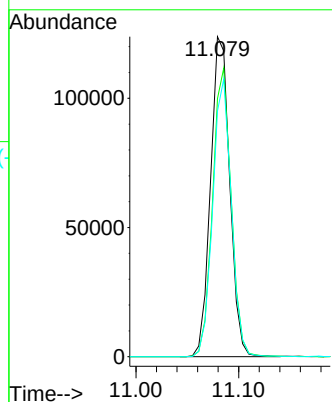
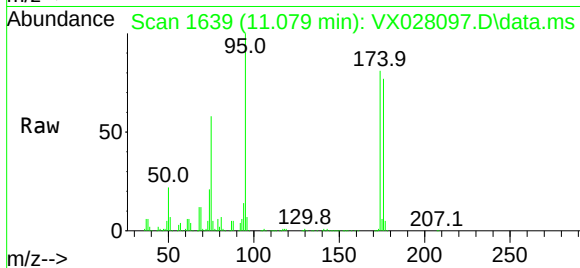




#62  
4-Bromofluorobenzene  
Concen: 43.099 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX028097.D  
Acq: 14 Apr 2022 10:38

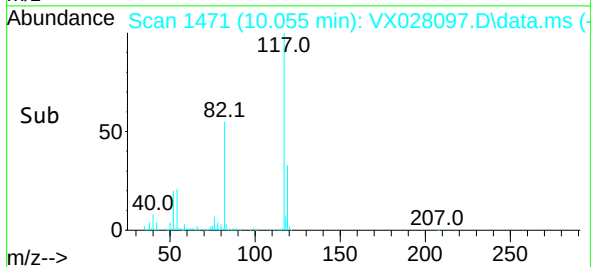
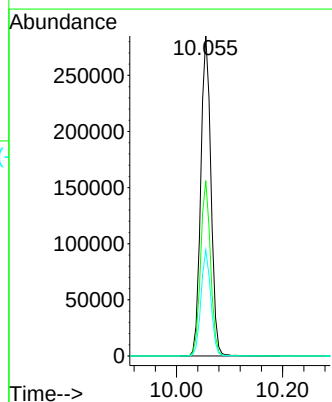
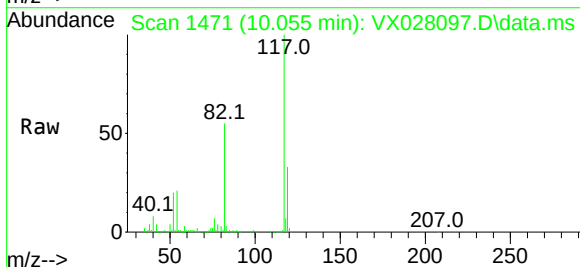
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0414WBL01

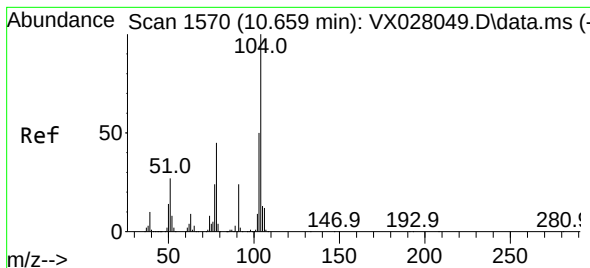
Tgt Ion: 95 Resp: 160056  
Ion Ratio Lower Upper  
95 100  
174 87.5 0.0 163.0  
176 84.3 0.0 155.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX028097.D  
Acq: 14 Apr 2022 10:38

Tgt Ion: 117 Resp: 380837  
Ion Ratio Lower Upper  
117 100  
82 54.8 41.8 62.8  
119 33.1 24.8 37.2





#70

Styrene

Concen: 4.714 ug/l

RT: 10.665 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX028097.D

Acq: 14 Apr 2022 10:38

Instrument :

MSVOA\_X

ClientSampleId :

VX0414WBL01

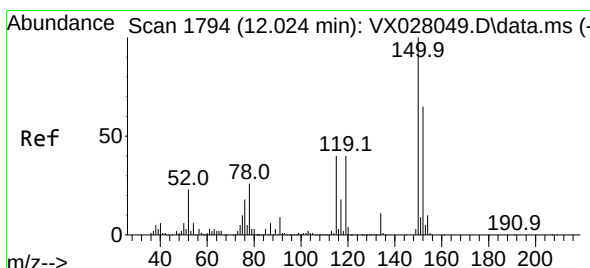
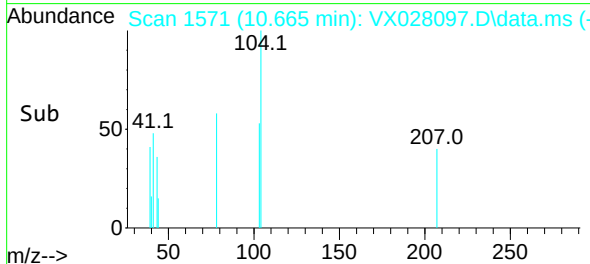
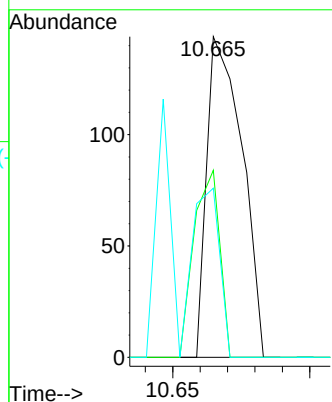
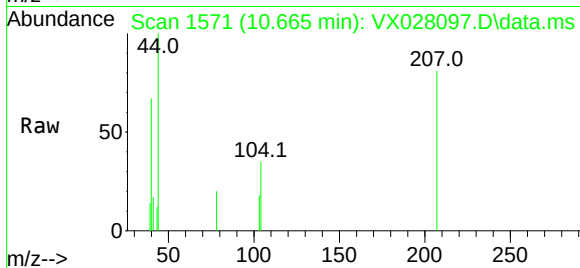
Tgt Ion:104 Resp: 129

Ion Ratio Lower Upper

104 100

78 42.6 38.6 57.8

103 32.6 43.8 65.8#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX028097.D

Acq: 14 Apr 2022 10:38

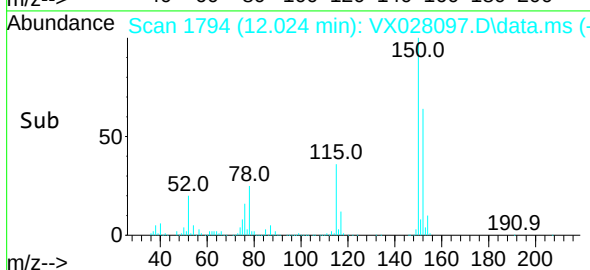
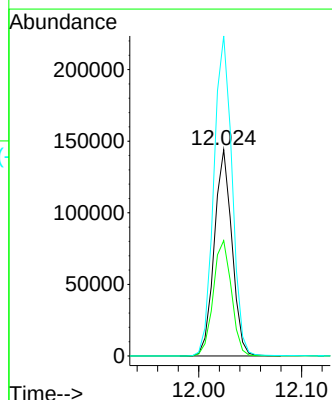
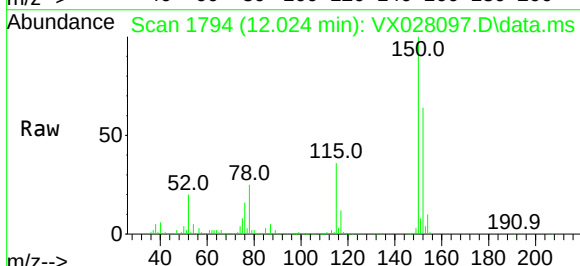
Tgt Ion:152 Resp: 171573

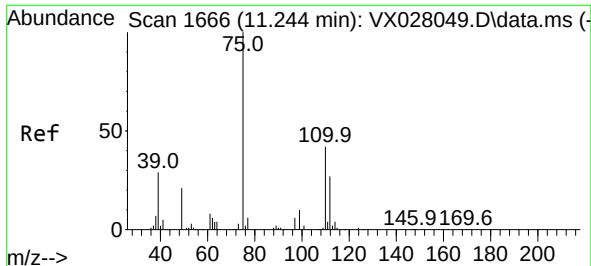
Ion Ratio Lower Upper

152 100

115 57.7 37.5 112.7

150 160.3 0.0 338.2

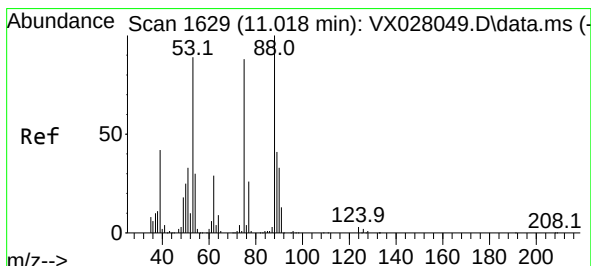
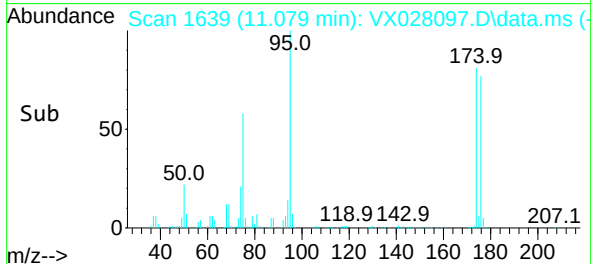
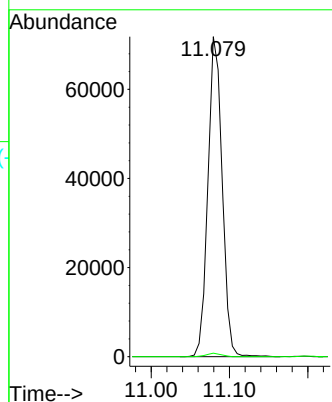
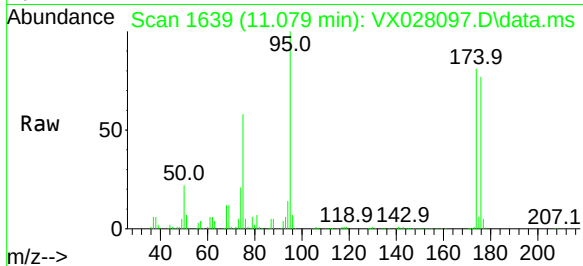




#76  
1,2,3-Trichloropropane  
Concen: 23.689 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX028097.D  
Acq: 14 Apr 2022 10:38

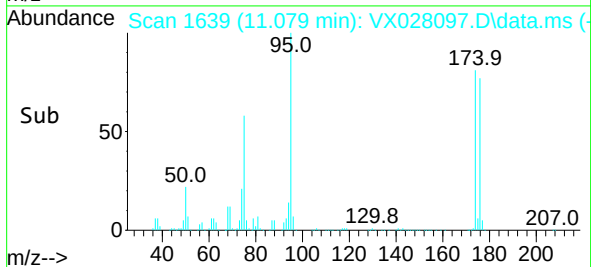
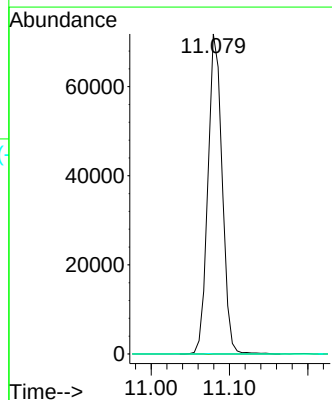
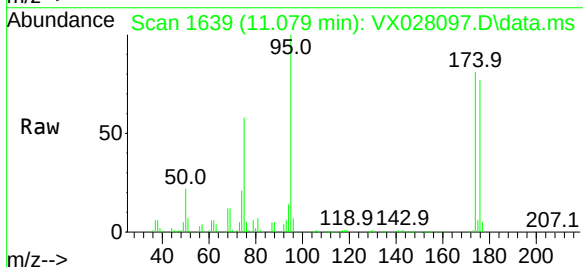
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0414WBL01

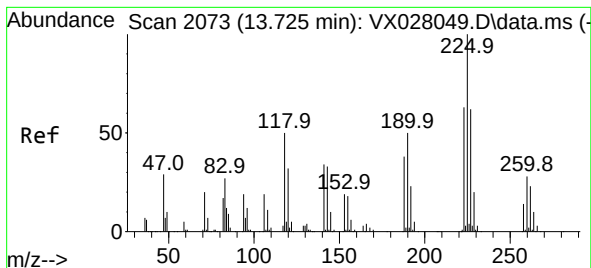
Tgt Ion: 75 Resp: 90484  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.4 58.2#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 66.720 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX028097.D  
Acq: 14 Apr 2022 10:38

Tgt Ion: 75 Resp: 90484  
Ion Ratio Lower Upper  
75 100  
53 0.0 69.0 103.4#  
89 0.0 37.0 55.6#





#94

Hexachlorobutadiene

Concen: 0.220 ug/l

RT: 13.725 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX028097.D

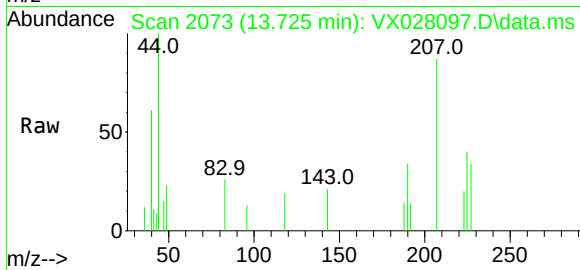
Acq: 14 Apr 2022 10:38

Instrument :

MSVOA\_X

ClientSampleId :

VX0414WBL01



Tgt Ion:225 Resp: 288

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 225 | 100   |       |       |
| 223 | 52.4  | 34.2  | 102.5 |
| 227 | 68.8  | 33.9  | 101.7 |

