

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060221\  
 Data File : VX022329.D  
 Acq On : 02 Jun 2021 11:26  
 Operator : JC/MD  
 Sample : VX0602WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0602WBL01

Quant Time: Jun 03 02:17:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051921W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 19 14:23:10 2021  
 Response via : Initial Calibration

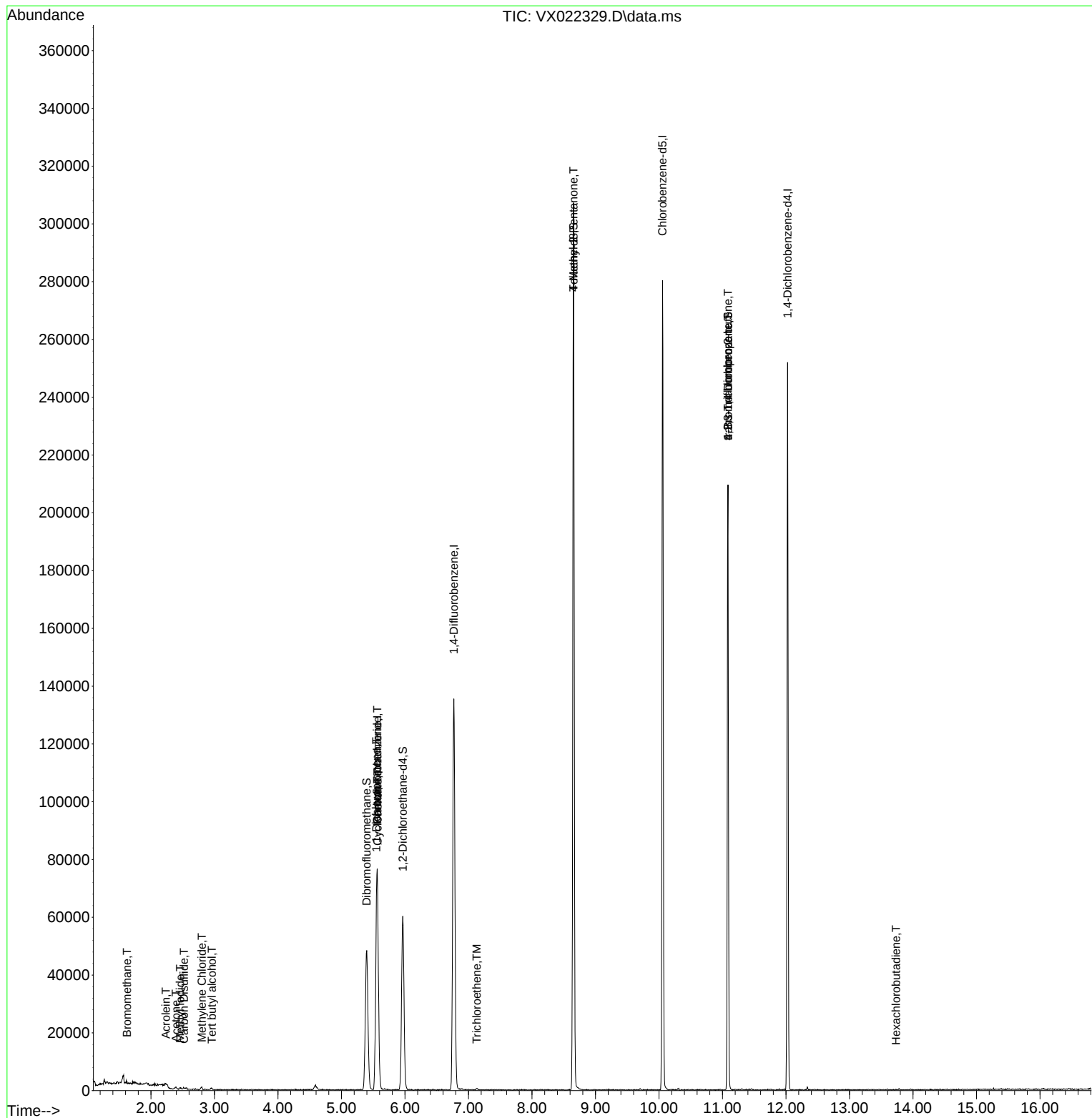
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.562  | 168   | 65141    | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114   | 138217   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 120614   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 44735    | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65    | 55505    | 55.24    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 110.48%  |
| 35) Dibromofluoromethane      | 5.397  | 113   | 41825    | 47.72    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 95.44%   |
| 50) Toluene-d8                | 8.653  | 98    | 170835   | 50.60    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 101.20%  |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 56214    | 45.04    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 90.08%   |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Bromomethane               | 1.624  | 94    | 258      | 0.49     | ug/l   | 85       |
| 10) Methyl Iodide             | 2.459  | 142   | 483      | 0.58     | ug/l # | 82       |
| 11) Tert butyl alcohol        | 2.959  | 59    | 355      | 1.54     | ug/l # | 73       |
| 13) Acrolein                  | 2.233  | 56    | 84       | 0.55     | ug/l # | 1        |
| 16) Acetone                   | 2.392  | 43    | 887      | 2.03     | ug/l   | 97       |
| 17) Carbon Disulfide          | 2.520  | 76    | 621      | 0.32     | ug/l # | 75       |
| 20) Methylene Chloride        | 2.800  | 84    | 395      | 0.41     | ug/l # | 60       |
| 31) Cyclohexane               | 5.568  | 56    | 1780     | 1.41     | ug/l # | 20       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 3120     | 2.44     | ug/l # | 56       |
| 38) Carbon Tetrachloride      | 5.562  | 117   | 7997     | 6.40     | ug/l # | 14       |
| 44) Trichloroethene           | 7.129  | 130   | 242      | 0.25     | ug/l   | 88       |
| 51) 4-Methyl-2-Pentanone      | 8.653  | 43    | 836      | 0.54     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75    | 30123    | 27.29    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75    | 30123    | 64.67    | ug/l # | 12       |
| 94) Hexachlorobutadiene       | 13.731 | 225   | 74       | 0.21     | ug/l # | 55       |
| -----                         |        |       |          |          |        |          |

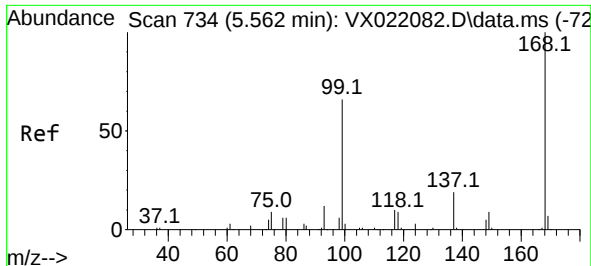
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060221\  
Data File : VX022329.D  
Acq On : 02 Jun 2021 11:26  
Operator : JC/MD  
Sample : VX0602WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0602WBL01

Quant Time: Jun 03 02:17:42 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051921W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 19 14:23:10 2021  
Response via : Initial Calibration

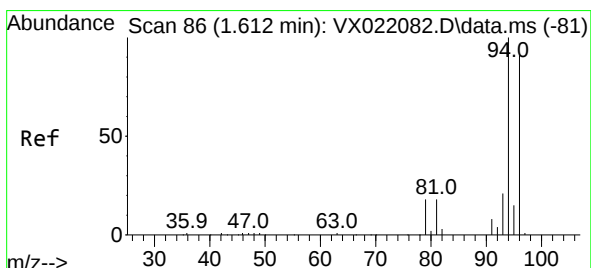
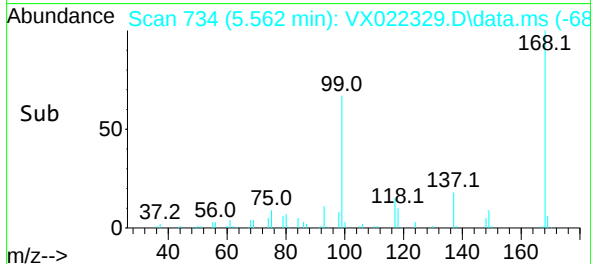
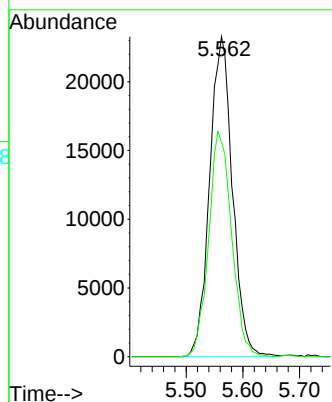
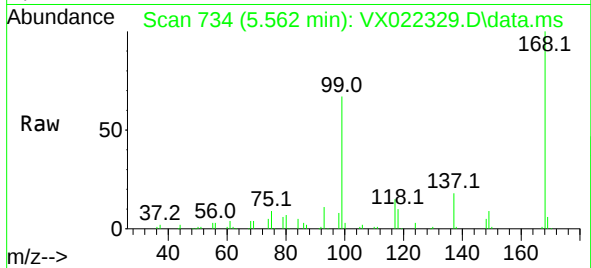




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.000 min  
Lab File: VX022329.D  
Acq: 02 Jun 2021 11:26

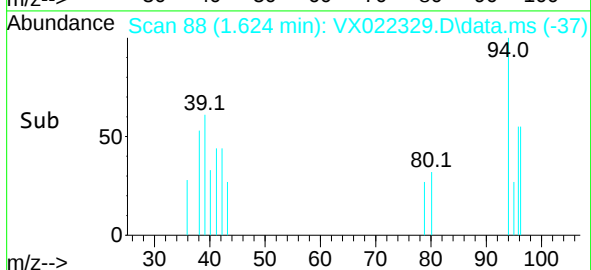
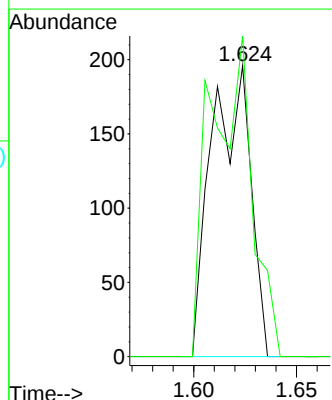
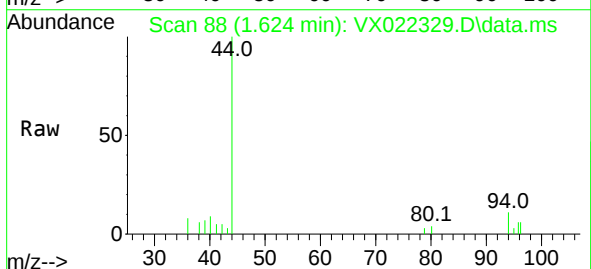
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0602WBL01

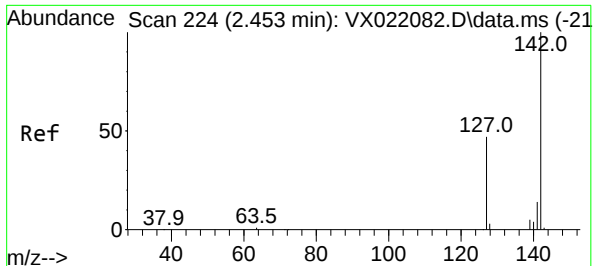
Tgt Ion:168 Resp: 65141  
Ion Ratio Lower Upper  
168 100  
99 67.1 45.8 68.6



#5  
Bromomethane  
Concen: 0.49 ug/l  
RT: 1.624 min Scan# 88  
Delta R.T. 0.012 min  
Lab File: VX022329.D  
Acq: 02 Jun 2021 11:26

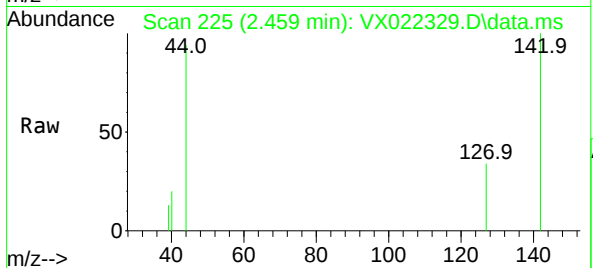
Tgt Ion: 94 Resp: 258  
Ion Ratio Lower Upper  
94 100  
96 110.2 76.4 114.6



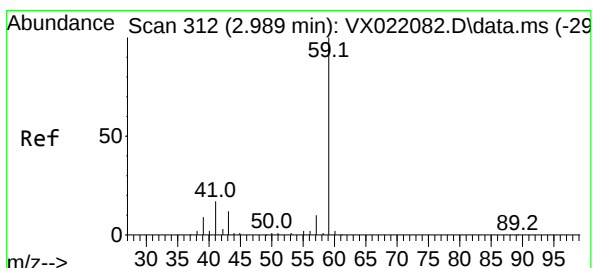
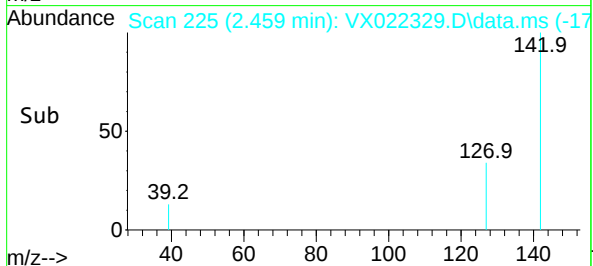
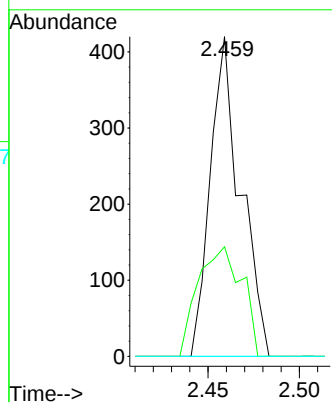


#10  
Methyl Iodide  
Concen: 0.58 ug/l  
RT: 2.459 min Scan# 225  
Delta R.T. 0.006 min  
Lab File: VX022329.D  
Acq: 02 Jun 2021 11:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0602WBL01

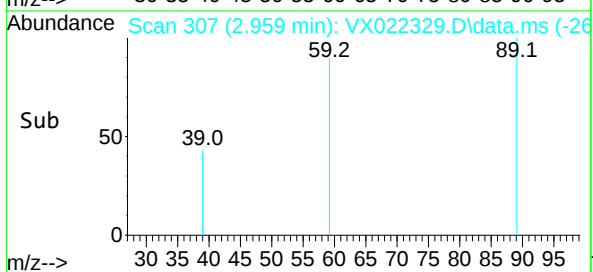
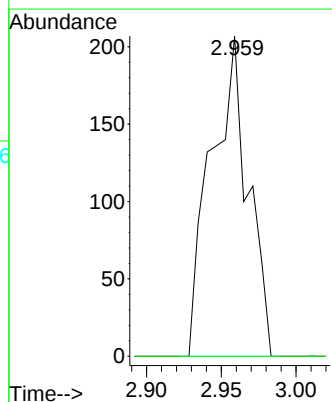
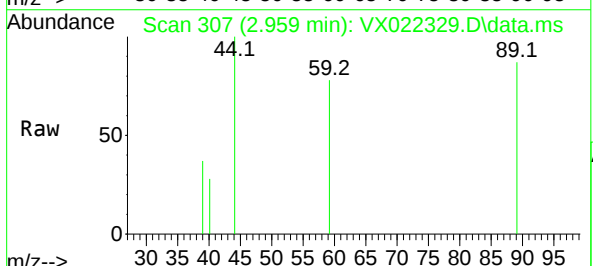


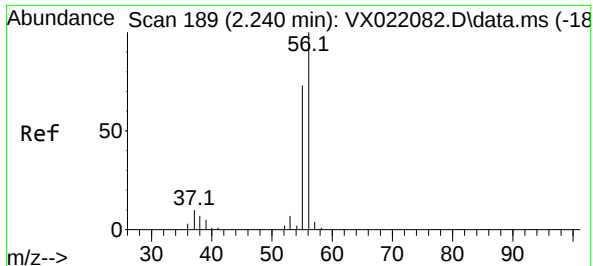
Tgt Ion:142 Resp: 483  
Ion Ratio Lower Upper  
142 100  
127 49.7 33.3 49.9  
141 0.0 11.4 17.0#



#11  
Tert butyl alcohol  
Concen: 1.54 ug/l  
RT: 2.959 min Scan# 307  
Delta R.T. -0.030 min  
Lab File: VX022329.D  
Acq: 02 Jun 2021 11:26

Tgt Ion: 59 Resp: 355  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

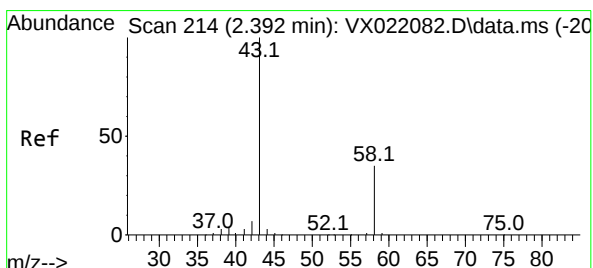
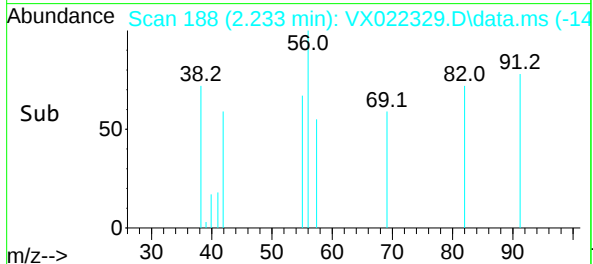
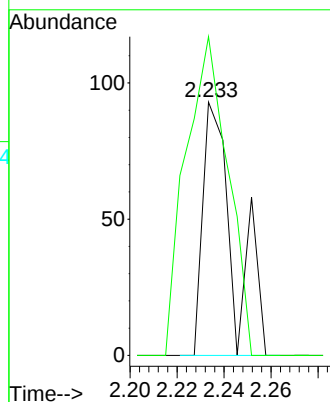
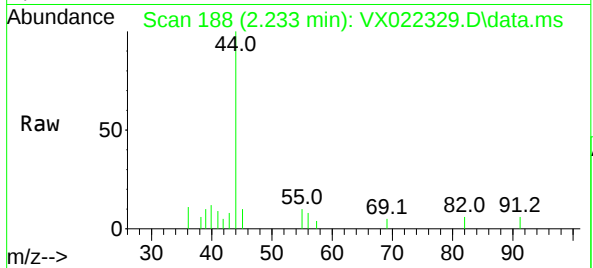




#13  
Acrolein  
Concen: 0.55 ug/l  
RT: 2.233 min Scan# 188  
Delta R.T. -0.007 min  
Lab File: VX022329.D  
Acq: 02 Jun 2021 11:26

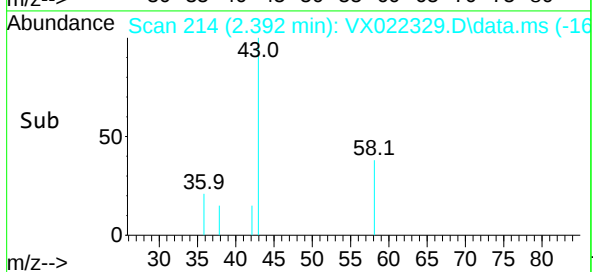
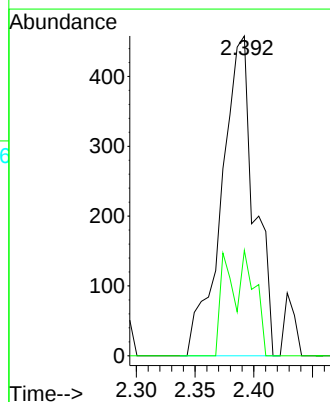
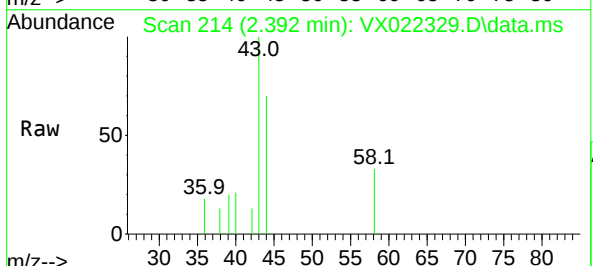
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0602WBL01

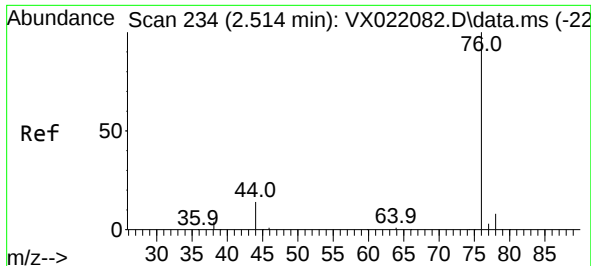
Tgt Ion: 56 Resp: 84  
Ion Ratio Lower Upper  
56 100  
55 173.8 56.4 84.6#



#16  
Acetone  
Concen: 2.03 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX022329.D  
Acq: 02 Jun 2021 11:26

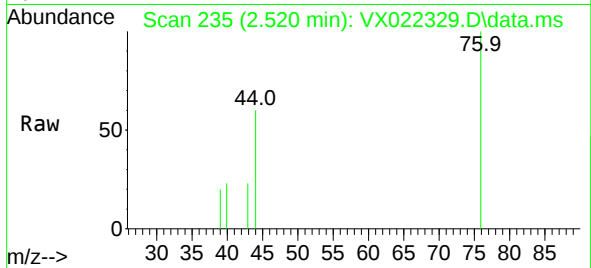
Tgt Ion: 43 Resp: 887  
Ion Ratio Lower Upper  
43 100  
58 33.0 27.8 41.8



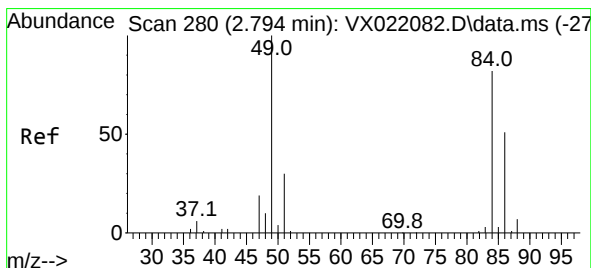
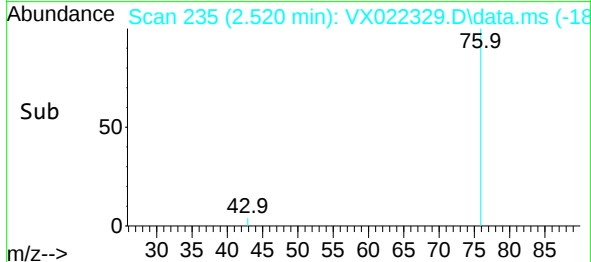
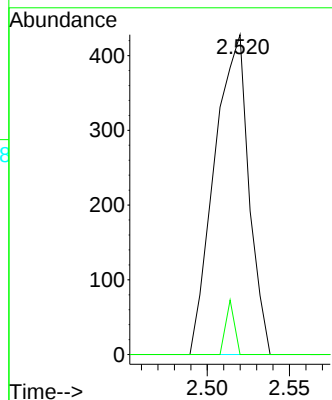


#17  
Carbon Disulfide  
Concen: 0.32 ug/l  
RT: 2.520 min Scan# 235  
Delta R.T. 0.006 min  
Lab File: VX022329.D  
Acq: 02 Jun 2021 11:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0602WBL01

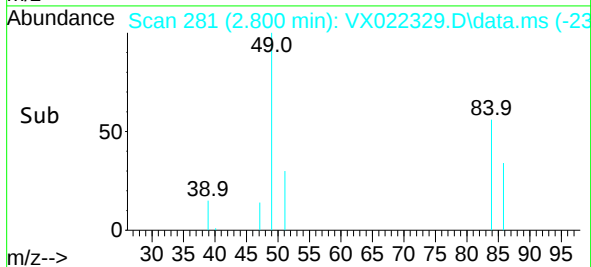
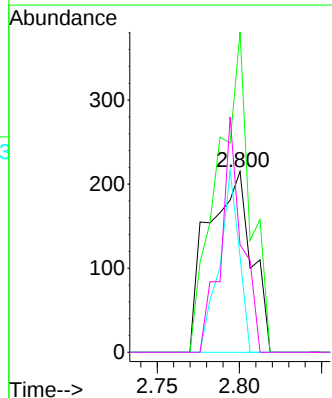
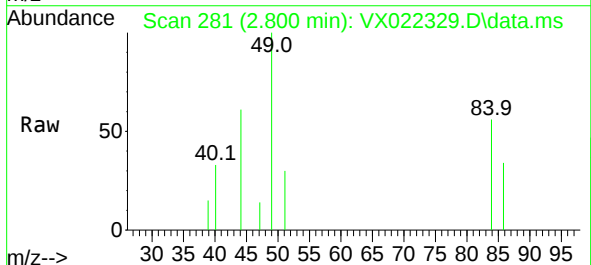


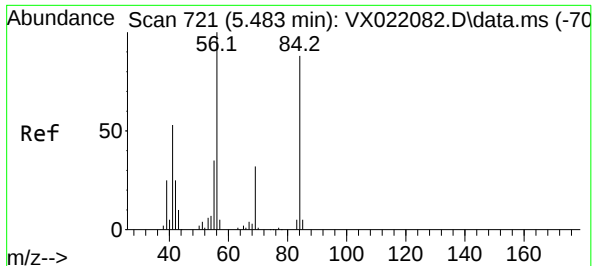
Tgt Ion: 76 Resp: 621  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#



#20  
Methylene Chloride  
Concen: 0.41 ug/l  
RT: 2.800 min Scan# 281  
Delta R.T. 0.006 min  
Lab File: VX022329.D  
Acq: 02 Jun 2021 11:26

Tgt Ion: 84 Resp: 395  
Ion Ratio Lower Upper  
84 100  
49 177.2 88.6 132.8#  
51 53.0 27.0 40.6#  
86 59.5 50.3 75.5





#31

Cyclohexane

Concen: 1.41 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.085 min

Lab File: VX022329.D

Acq: 02 Jun 2021 11:26

Tgt Ion: 56 Resp: 1780

Ion Ratio Lower Upper

56 100

69 159.1 25.3 37.9#

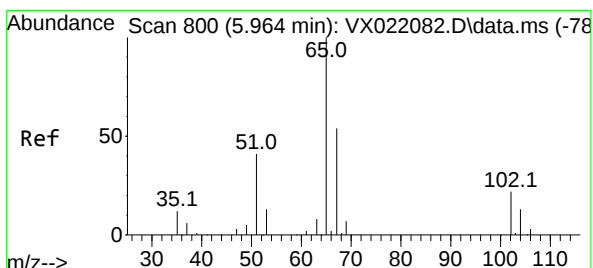
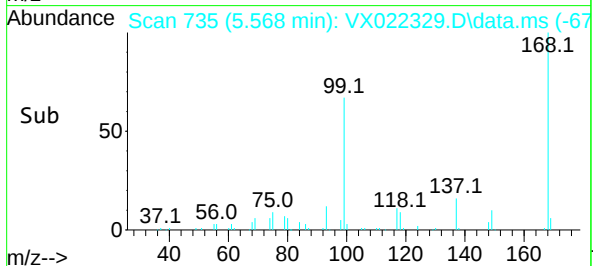
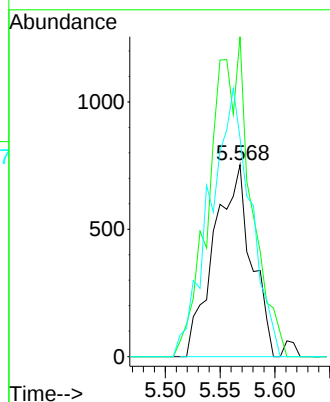
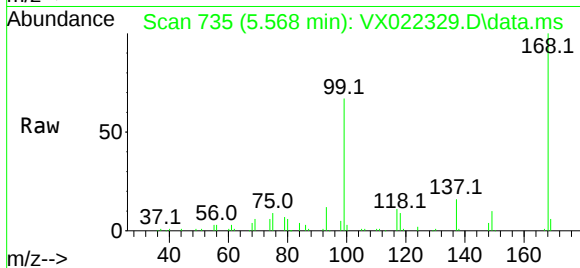
84 113.9 71.4 107.0#

Instrument :

MSVOA\_X

ClientSampleId :

VX0602WBL01



#33

1,2-Dichloroethane-d4

Concen: 55.24 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX022329.D

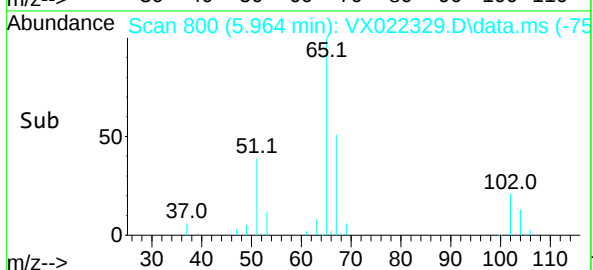
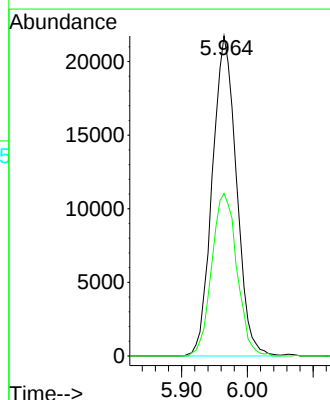
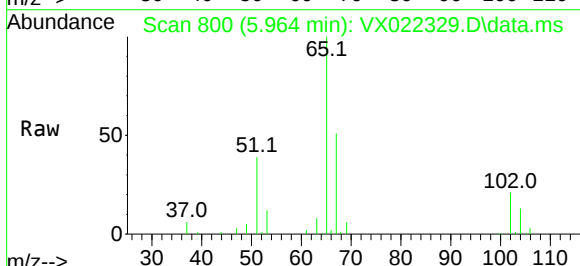
Acq: 02 Jun 2021 11:26

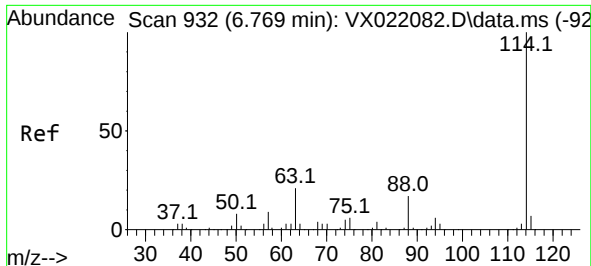
Tgt Ion: 65 Resp: 55505

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX022329.D

Acq: 02 Jun 2021 11:26

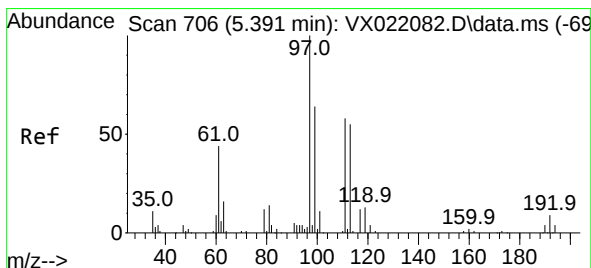
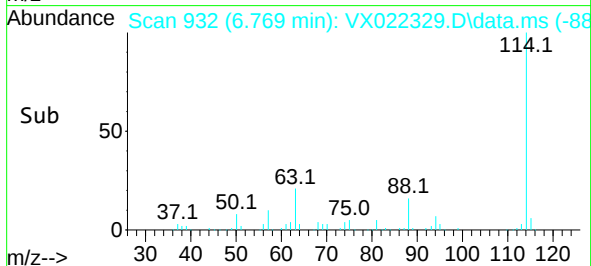
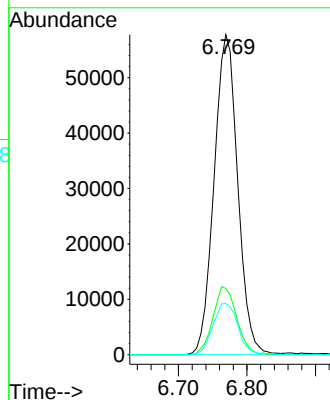
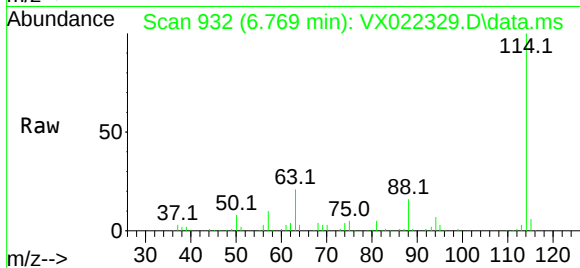
Tgt Ion:114 Resp: 138217

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 16.0 0.0 32.8



#35

Dibromofluoromethane

Concen: 47.72 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.006 min

Lab File: VX022329.D

Acq: 02 Jun 2021 11:26

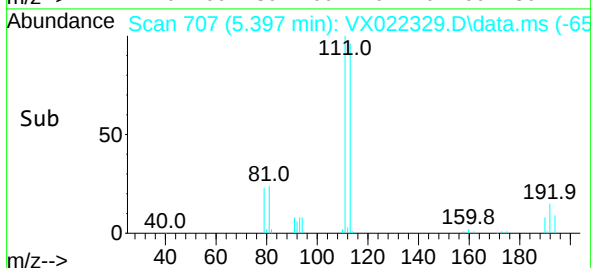
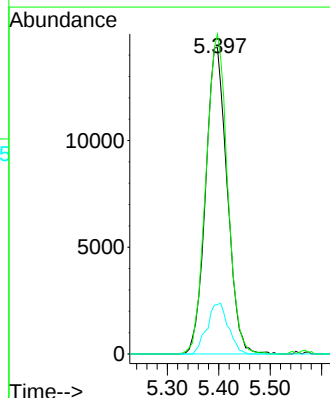
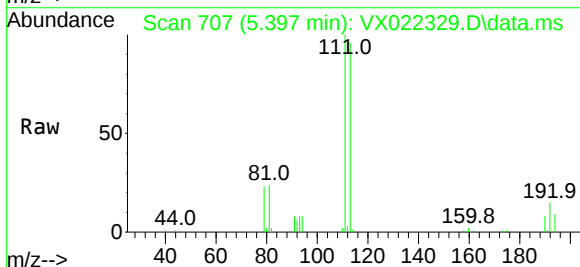
Tgt Ion:113 Resp: 41825

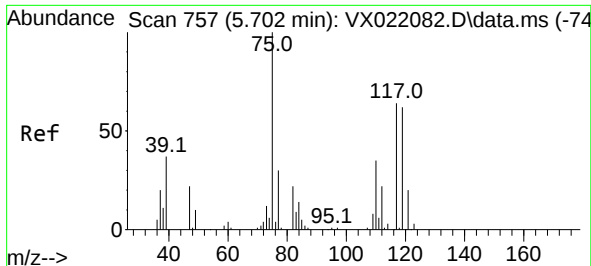
Ion Ratio Lower Upper

113 100

111 104.2 81.9 122.9

192 16.3 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 2.44 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.152 min

Lab File: VX022329.D

Acq: 02 Jun 2021 11:26

Tgt Ion: 75 Resp: 3120

Ion Ratio Lower Upper

75 100

110 17.2 18.1 54.4#

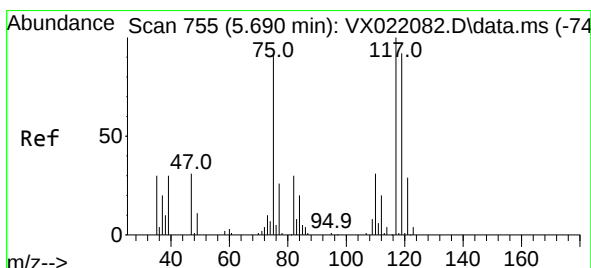
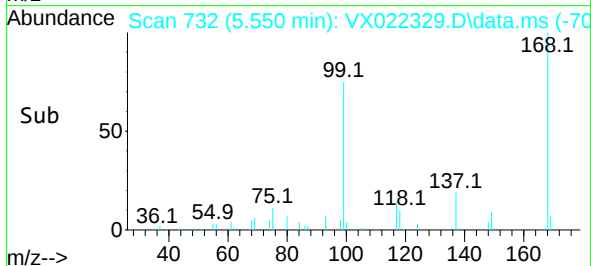
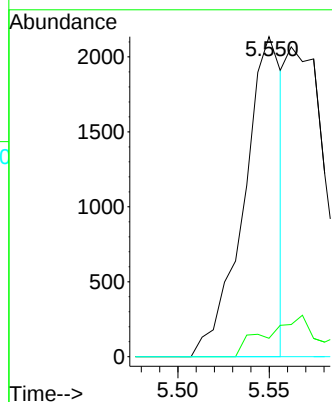
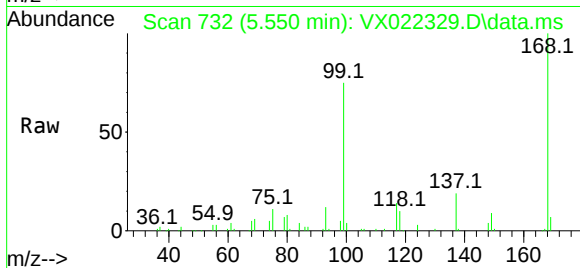
77 0.0 25.3 37.9#

Instrument :

MSVOA\_X

ClientSampleId :

VX0602WBL01



#38

Carbon Tetrachloride

Concen: 6.40 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX022329.D

Acq: 02 Jun 2021 11:26

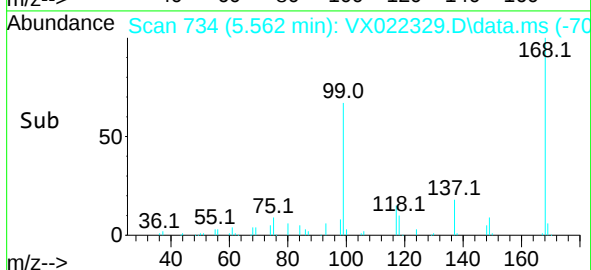
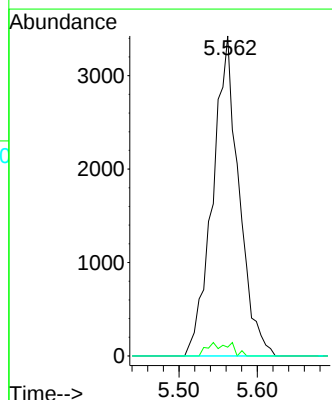
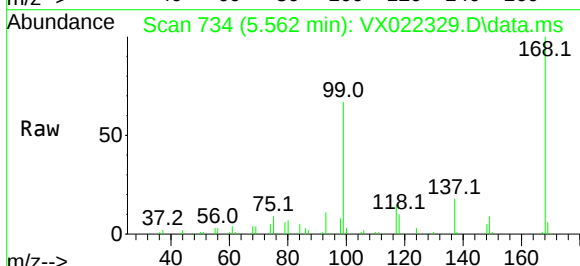
Tgt Ion: 117 Resp: 7997

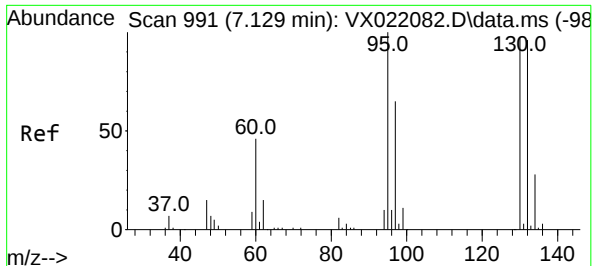
Ion Ratio Lower Upper

117 100

119 2.7 76.2 114.2#

121 0.0 24.8 37.2#

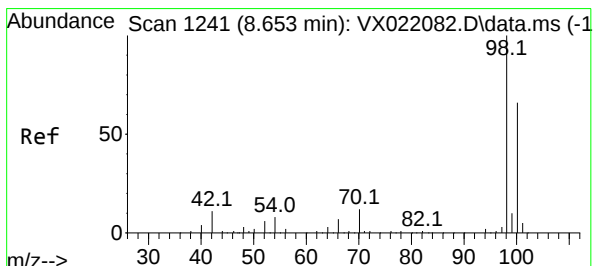
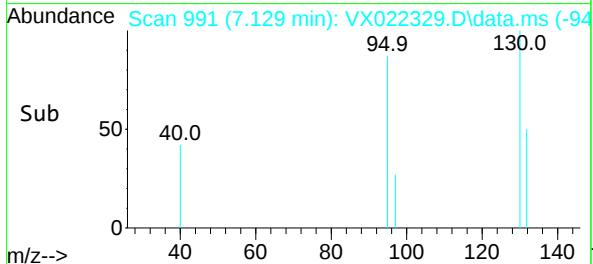
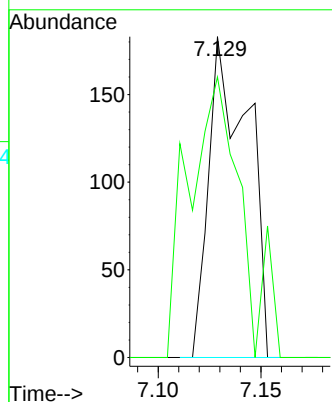
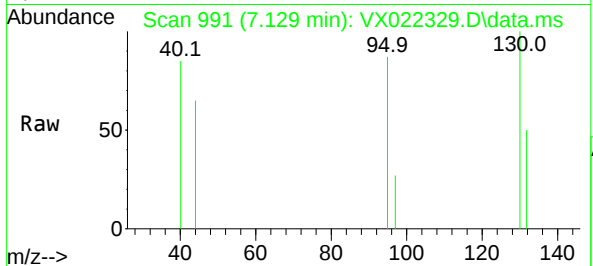




#44  
Trichloroethene  
Concen: 0.25 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: VX022329.D  
Acq: 02 Jun 2021 11:26

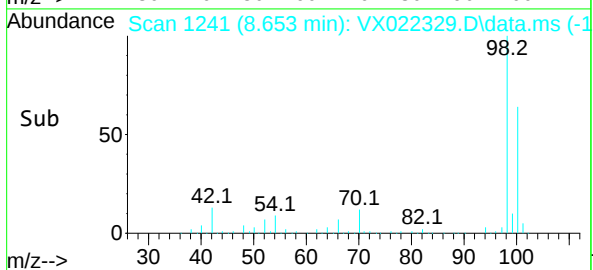
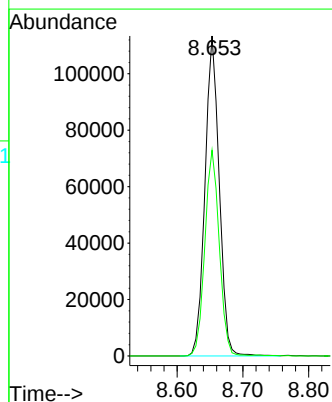
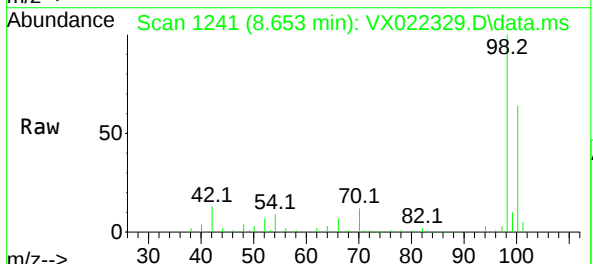
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0602WBL01

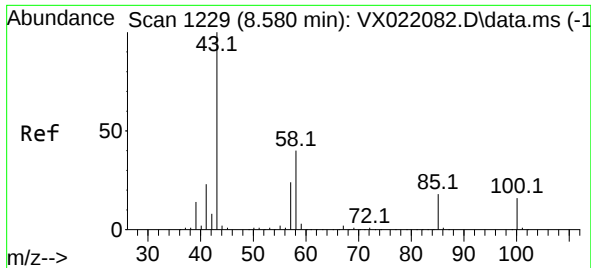
Tgt Ion:130 Resp: 242  
Ion Ratio Lower Upper  
130 100  
95 87.4 0.0 198.0



#50  
Toluene-d8  
Concen: 50.60 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX022329.D  
Acq: 02 Jun 2021 11:26

Tgt Ion: 98 Resp: 170835  
Ion Ratio Lower Upper  
98 100  
100 64.9 51.9 77.9

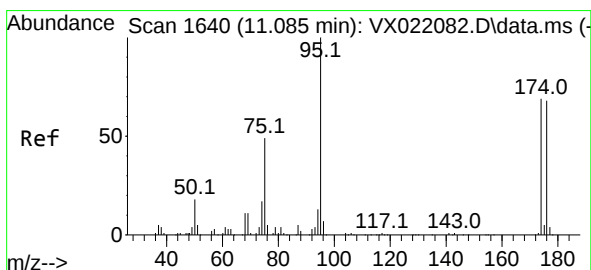
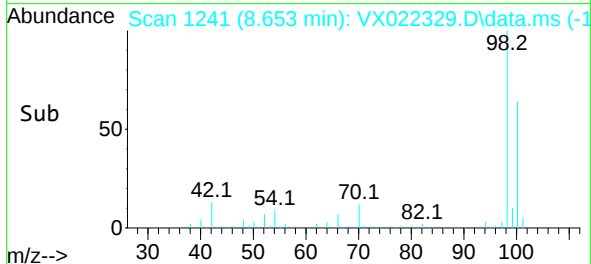
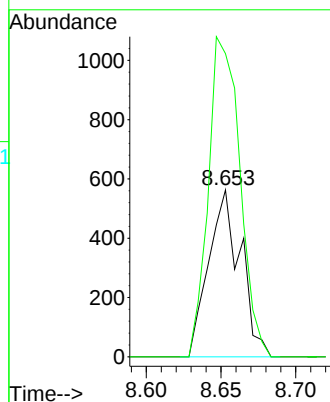
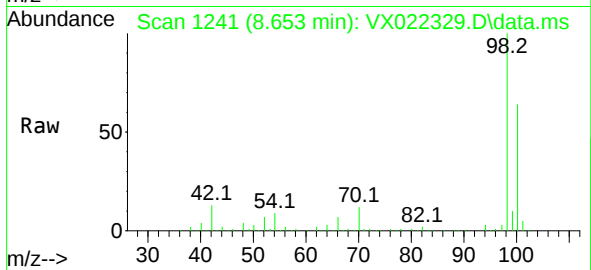




#51  
4-Methyl-2-Pentanone  
Concen: 0.54 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.073 min  
Lab File: VX022329.D  
Acq: 02 Jun 2021 11:26

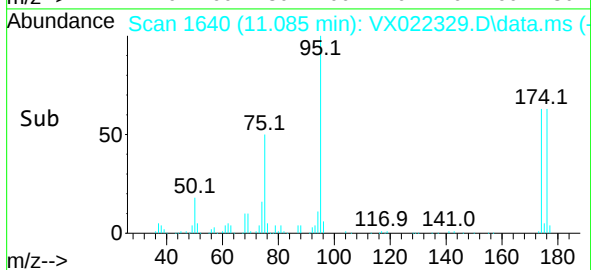
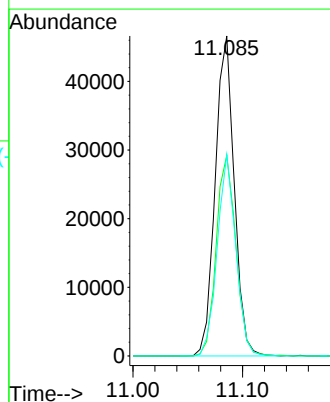
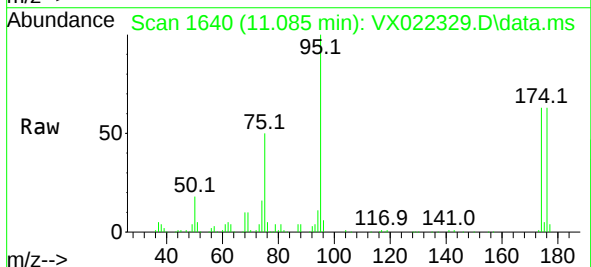
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0602WBL01

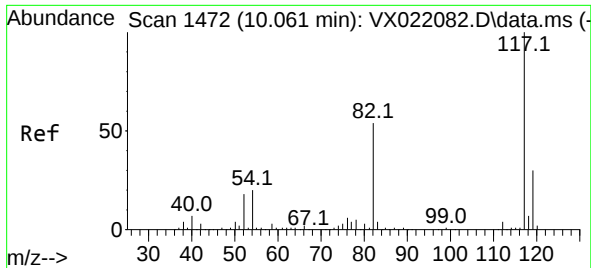
Tgt Ion: 43 Resp: 836  
Ion Ratio Lower Upper  
43 100  
58 189.8 35.4 53.0#



#62  
4-Bromofluorobenzene  
Concen: 45.04 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX022329.D  
Acq: 02 Jun 2021 11:26

Tgt Ion: 95 Resp: 56214  
Ion Ratio Lower Upper  
95 100  
174 64.8 0.0 154.6  
176 61.4 0.0 155.8

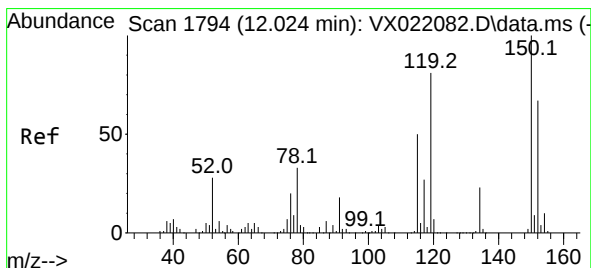
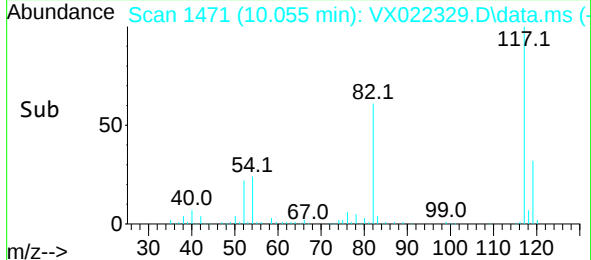
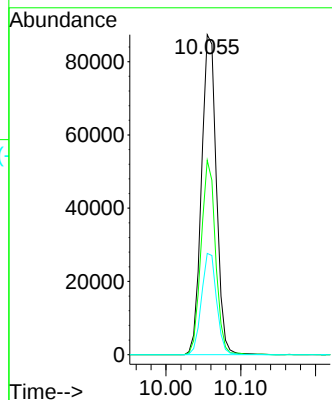
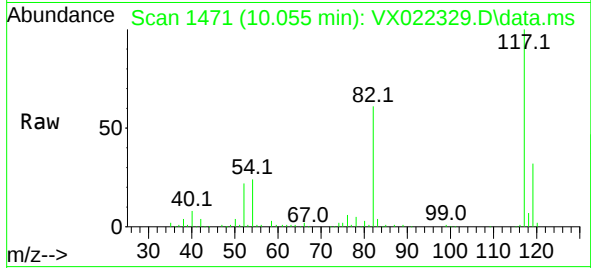




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VX022329.D  
Acq: 02 Jun 2021 11:26

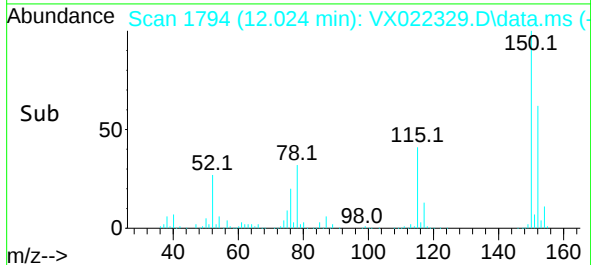
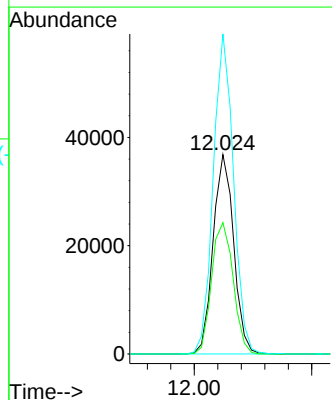
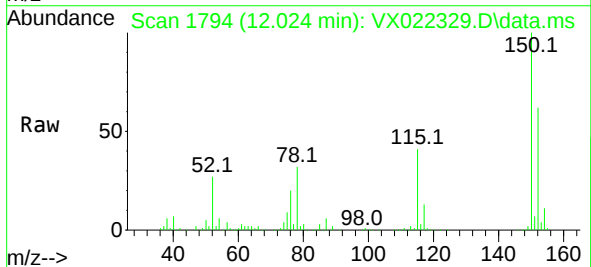
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0602WBL01

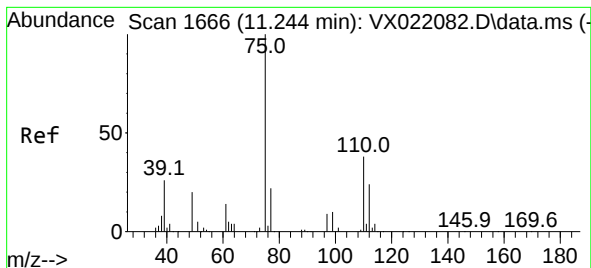
Tgt Ion:117 Resp: 120614  
Ion Ratio Lower Upper  
117 100  
82 60.8 47.4 71.2  
119 31.7 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX022329.D  
Acq: 02 Jun 2021 11:26

Tgt Ion:152 Resp: 44735  
Ion Ratio Lower Upper  
152 100  
115 68.8 41.1 123.3  
150 157.8 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 27.29 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX022329.D

Acq: 02 Jun 2021 11:26

Tgt Ion: 75 Resp: 30123

Ion Ratio Lower Upper

75 100

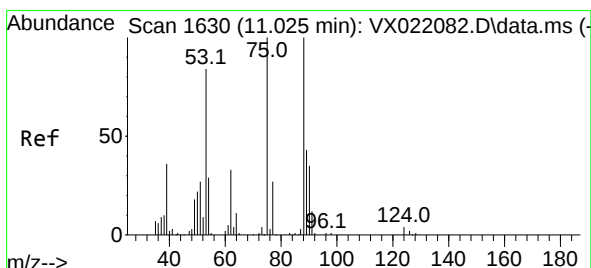
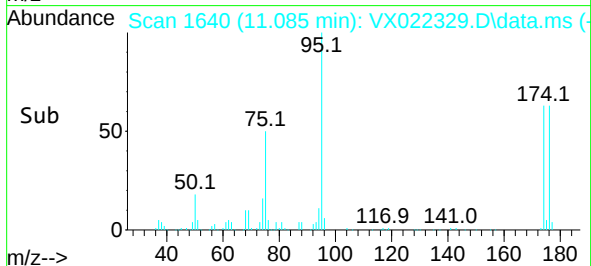
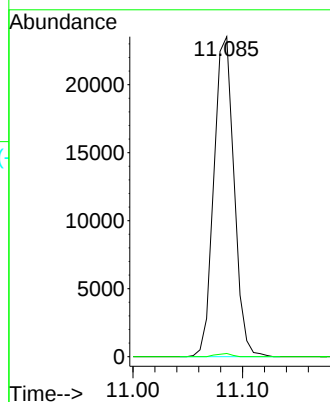
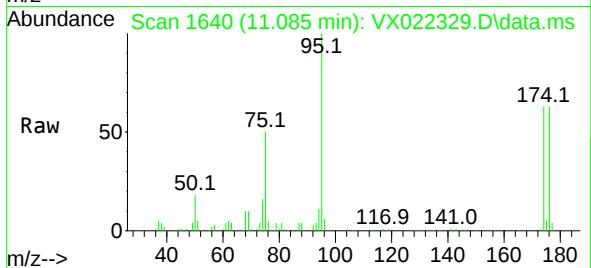
77 0.8 19.1 57.5#

Instrument :

MSVOA\_X

ClientSampleId :

VX0602WBL01



#81

trans-1,4-Dichloro-2-butene

Concen: 64.67 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.060 min

Lab File: VX022329.D

Acq: 02 Jun 2021 11:26

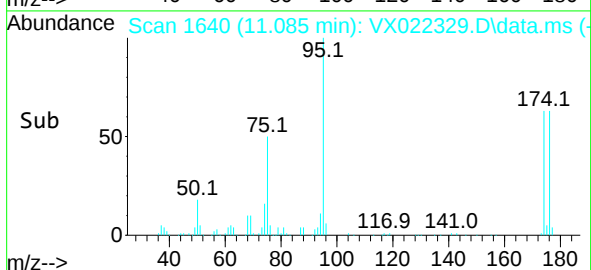
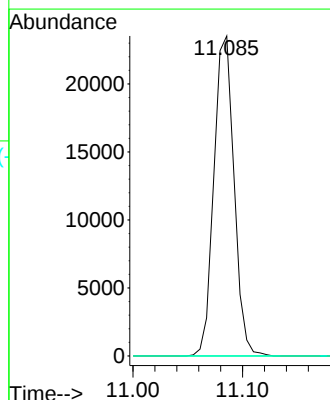
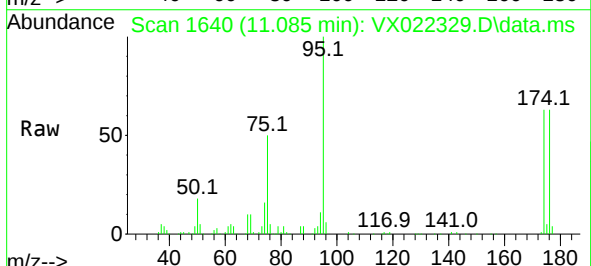
Tgt Ion: 75 Resp: 30123

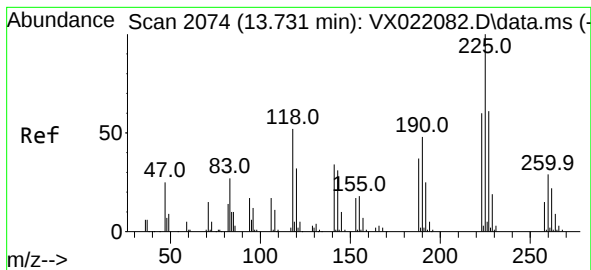
Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

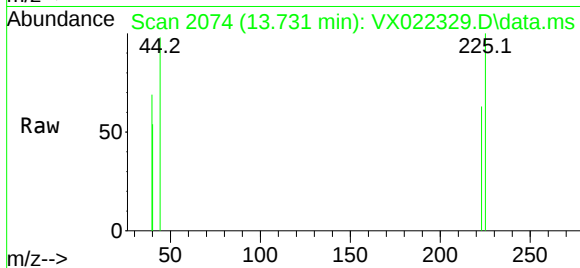
89 0.0 37.9 56.9#





#94  
 Hexachlorobutadiene  
 Concen: 0.21 ug/l  
 RT: 13.731 min Scan# 2074  
 Delta R.T. 0.000 min  
 Lab File: VX022329.D  
 Acq: 02 Jun 2021 11:26

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0602WBL01



Tgt Ion:225 Resp: 74  
 Ion Ratio Lower Upper  
 225 100  
 223 68.9 31.1 93.2  
 227 0.0 31.6 95.0#

