

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032222\  
 Data File : VX027633.D  
 Acq On : 22 Mar 2022 23:46  
 Operator : JC/MD  
 Sample : VX0322WBL02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0322WBL02

Quant Time: Mar 23 03:58:10 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031722W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 17 15:02:59 2022  
 Response via : Initial Calibration

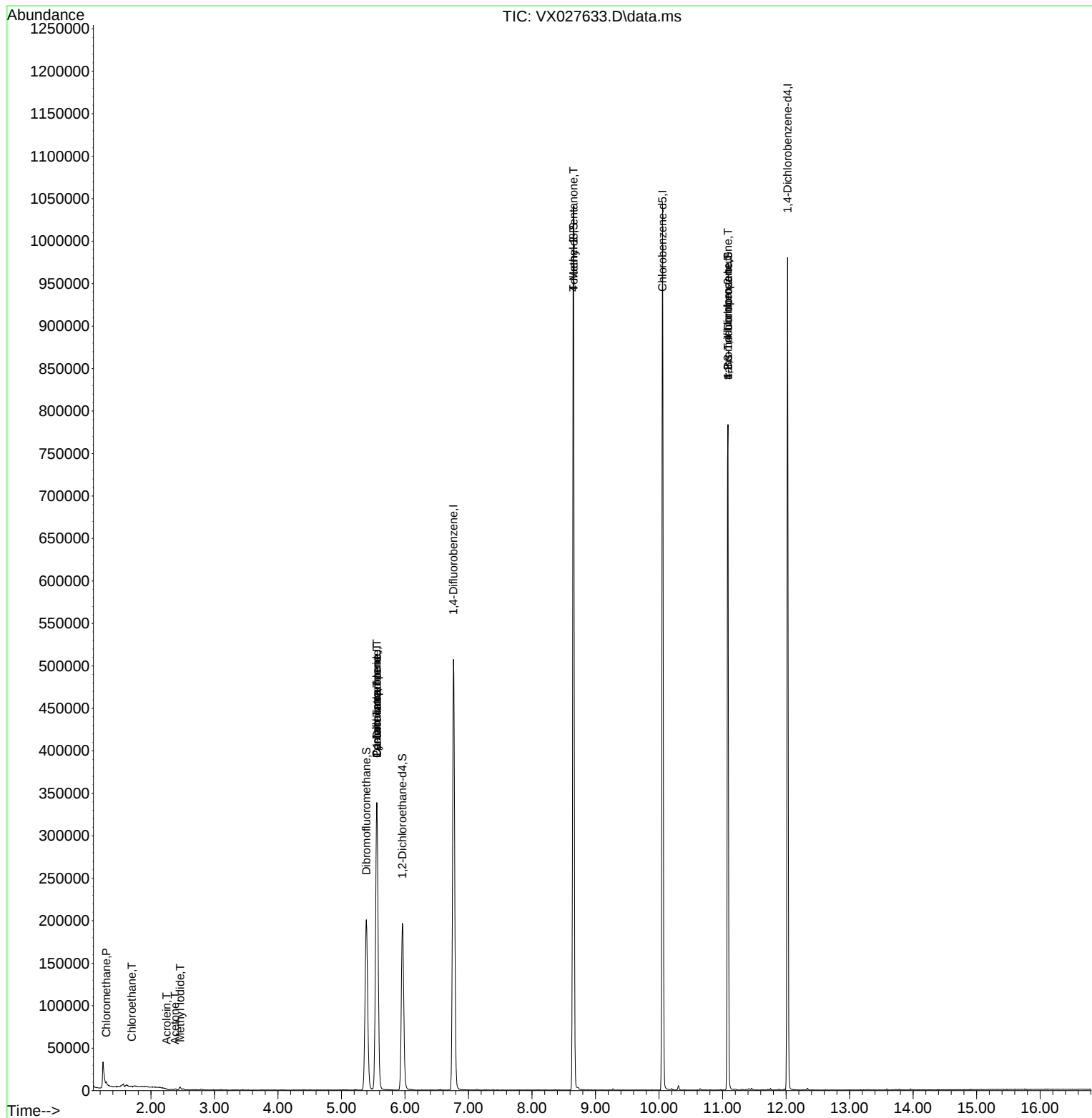
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 332515   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 538500   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 482768   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 215256   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 195793   | 47.798    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery  | =      | 95.600%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 177928   | 51.356    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery  | =      | 102.720% |
| 50) Toluene-d8                | 8.653  | 98    | 636386   | 48.540    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery  | =      | 97.080%  |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 213552   | 44.316    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery  | =      | 88.640%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 1.294  | 50    | 580      | 0.205     | ug/l   | 99       |
| 5) Bromomethane               | 1.611  | 94    | 1060     | Below Cal |        | 99       |
| 6) Chloroethane               | 1.697  | 64    | 541      | 0.269     | ug/l # | 86       |
| 10) Methyl Iodide             | 2.459  | 142   | 4157     | 0.976     | ug/l   | 91       |
| 13) Acrolein                  | 2.245  | 56    | 154      | 0.254     | ug/l # | 46       |
| 16) Acetone                   | 2.380  | 43    | 1144     | 0.685     | ug/l   | 93       |
| 31) Cyclohexane               | 5.556  | 56    | 6305     | 1.240     | ug/l # | 13       |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 23581    | 4.981     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 32710    | 6.039     | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 8.653  | 43    | 2444     | 0.504     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75    | 102958   | 22.867    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75    | 102958   | 69.448    | ug/l # | 15       |
| -----                         |        |       |          |           |        |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032222\  
Data File : VX027633.D  
Acq On : 22 Mar 2022 23:46  
Operator : JC/MD  
Sample : VX0322WBL02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0322WBL02

Quant Time: Mar 23 03:58:10 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031722W.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 17 15:02:59 2022  
Response via : Initial Calibration

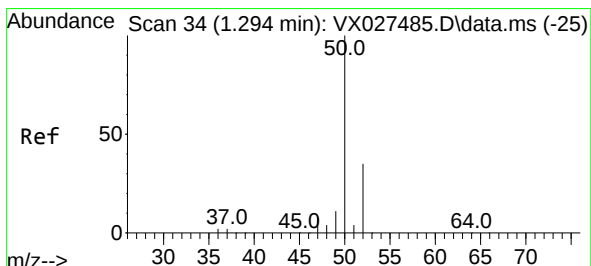
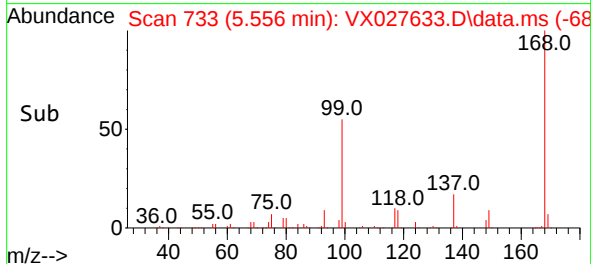
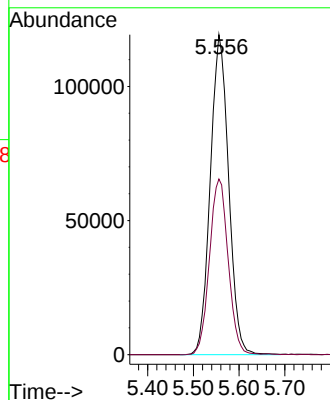
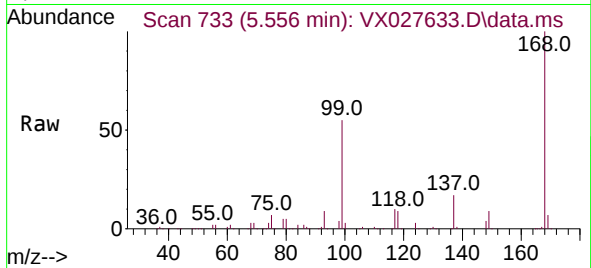




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX027633.D  
Acq: 22 Mar 2022 23:46

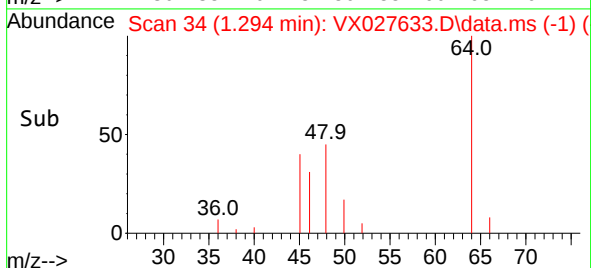
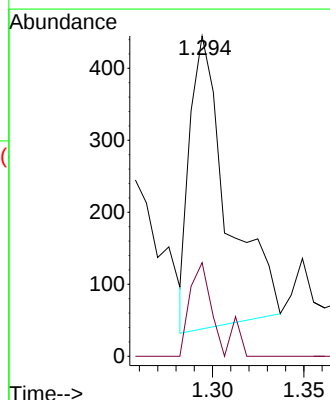
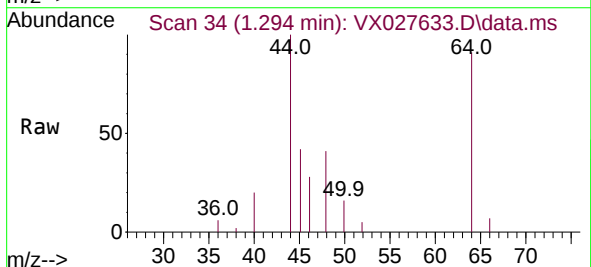
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0322WBL02

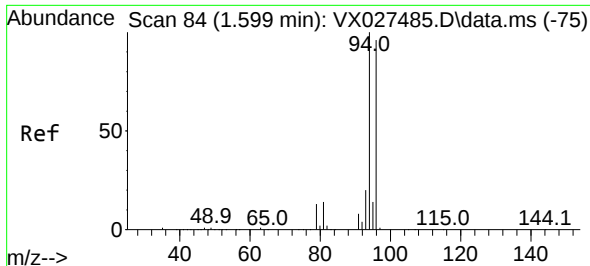
Tgt Ion:168 Resp: 332515  
Ion Ratio Lower Upper  
168 100  
99 54.9 41.7 62.5



#3  
Chloromethane  
Concen: 0.205 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: VX027633.D  
Acq: 22 Mar 2022 23:46

Tgt Ion: 50 Resp: 580  
Ion Ratio Lower Upper  
50 100  
52 33.7 26.4 39.6

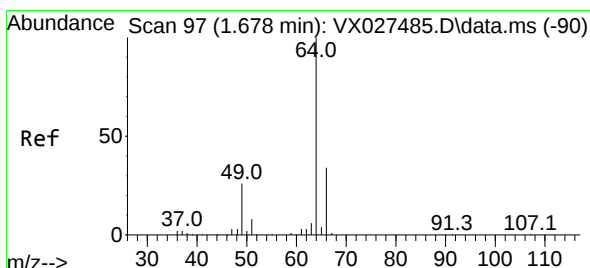
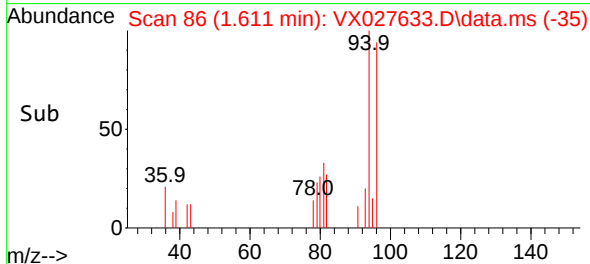
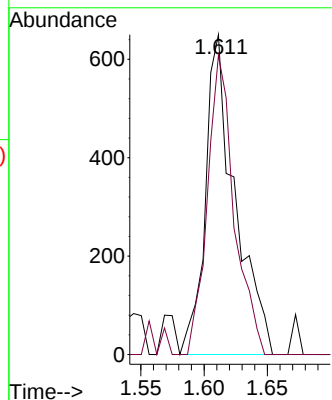
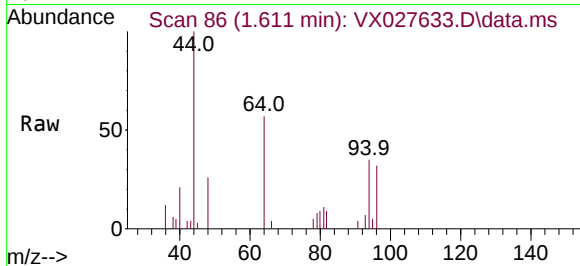




#5  
Bromomethane  
Concen: Below Cal  
RT: 1.611 min Scan# 80  
Delta R.T. 0.012 min  
Lab File: VX027633.D  
Acq: 22 Mar 2022 23:46

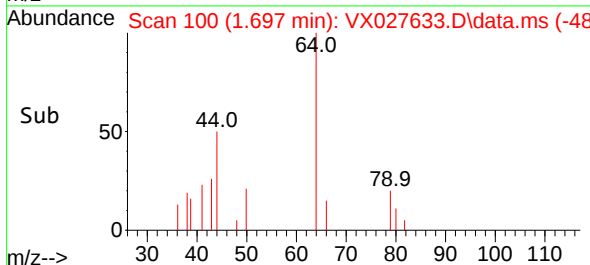
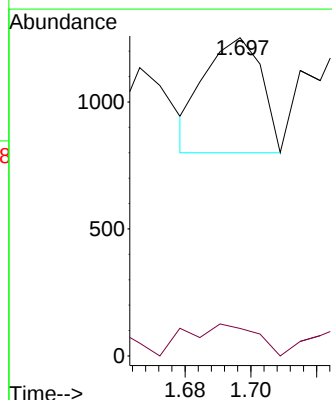
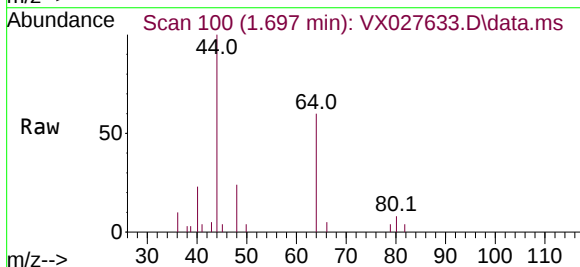
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0322WBL02

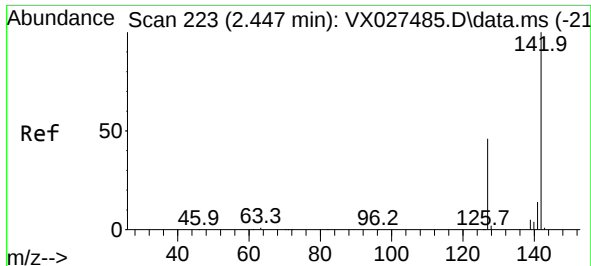
Tgt Ion: 94 Resp: 1060  
Ion Ratio Lower Upper  
94 100  
96 93.5 75.3 112.9



#6  
Chloroethane  
Concen: 0.269 ug/l  
RT: 1.697 min Scan# 100  
Delta R.T. 0.018 min  
Lab File: VX027633.D  
Acq: 22 Mar 2022 23:46

Tgt Ion: 64 Resp: 541  
Ion Ratio Lower Upper  
64 100  
66 23.8 25.3 37.9#

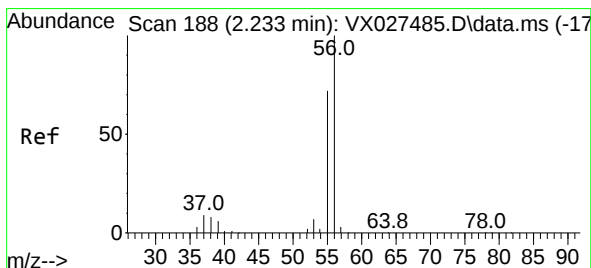
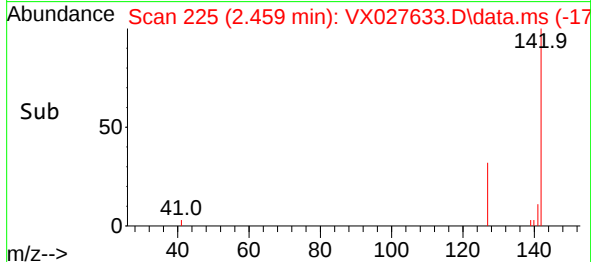
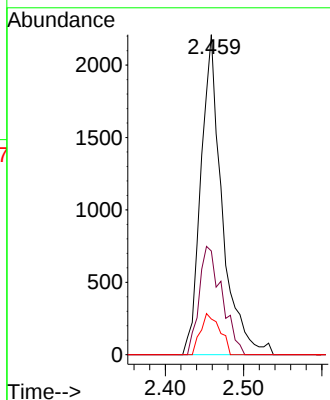
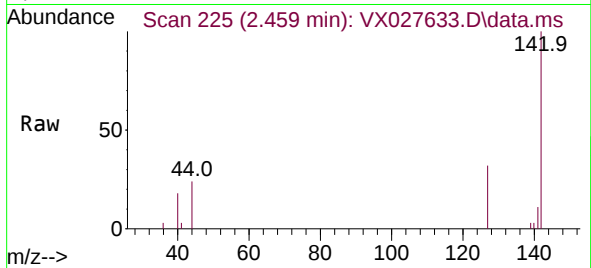




#10  
Methyl Iodide  
Concen: 0.976 ug/l  
RT: 2.459 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: VX027633.D  
Acq: 22 Mar 2022 23:46

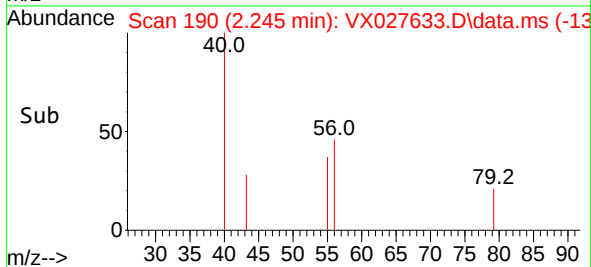
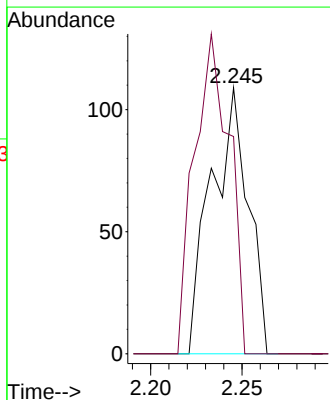
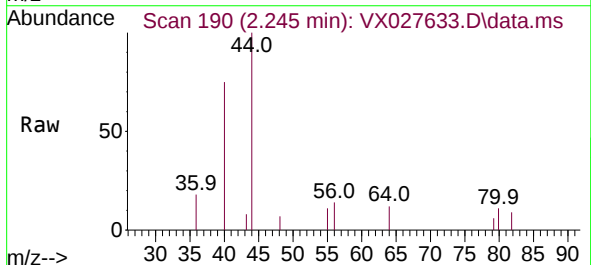
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0322WBL02

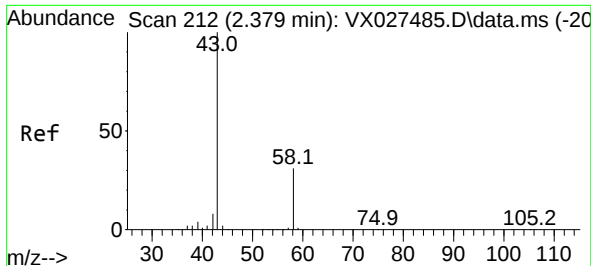
Tgt Ion:142 Resp: 4157  
Ion Ratio Lower Upper  
142 100  
127 36.3 33.9 50.9  
141 11.7 11.4 17.2



#13  
Acrolein  
Concen: 0.254 ug/l  
RT: 2.245 min Scan# 190  
Delta R.T. 0.012 min  
Lab File: VX027633.D  
Acq: 22 Mar 2022 23:46

Tgt Ion: 56 Resp: 154  
Ion Ratio Lower Upper  
56 100  
55 113.0 55.0 82.6#

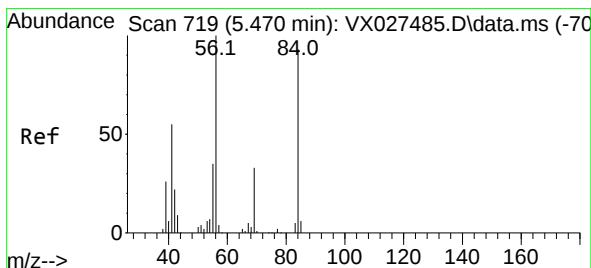
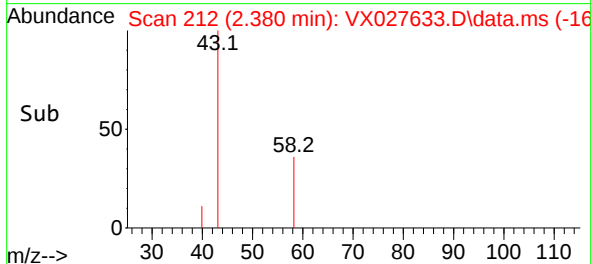
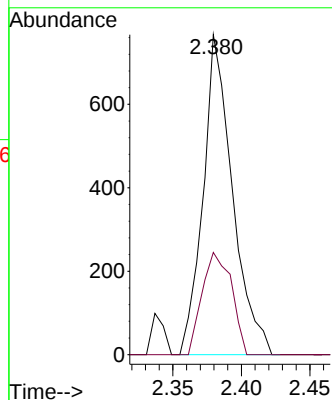
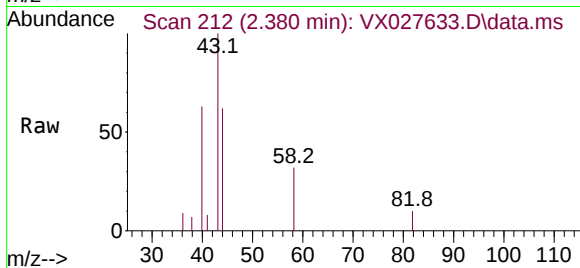




#16  
Acetone  
Concen: 0.685 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. 0.000 min  
Lab File: VX027633.D  
Acq: 22 Mar 2022 23:46

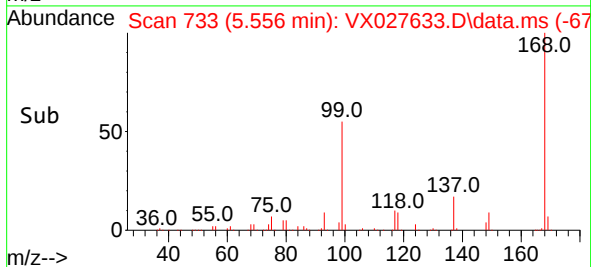
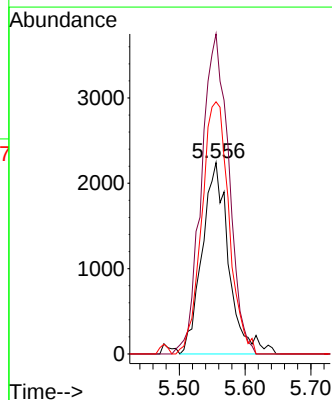
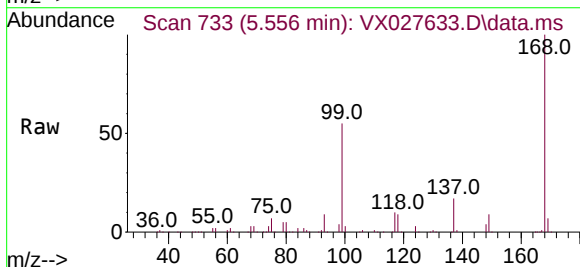
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0322WBL02

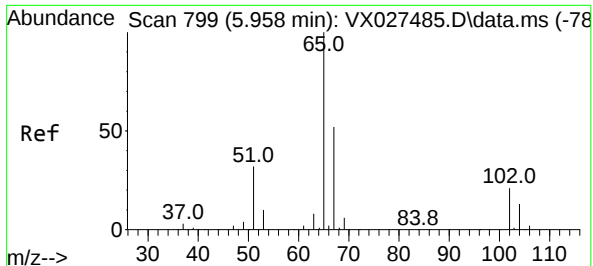
Tgt Ion: 43 Resp: 1144  
Ion Ratio Lower Upper  
43 100  
58 31.9 28.8 43.2



#31  
Cyclohexane  
Concen: 1.240 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.085 min  
Lab File: VX027633.D  
Acq: 22 Mar 2022 23:46

Tgt Ion: 56 Resp: 6305  
Ion Ratio Lower Upper  
56 100  
69 167.3 26.7 40.1#  
84 131.8 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 47.798 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027633.D

Acq: 22 Mar 2022 23:46

Instrument :

MSVOA\_X

ClientSampleId :

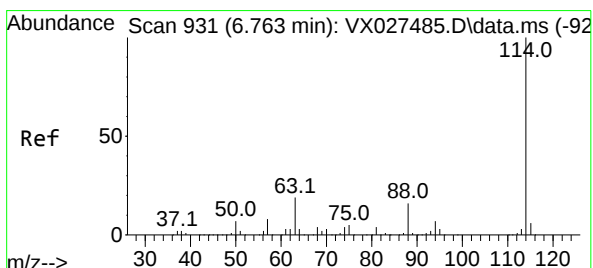
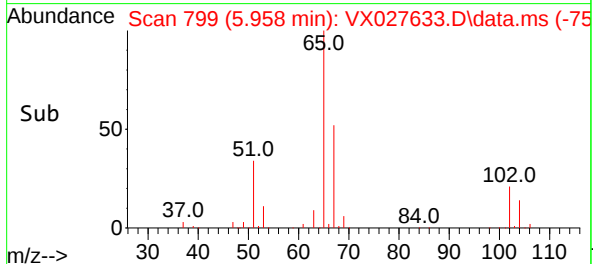
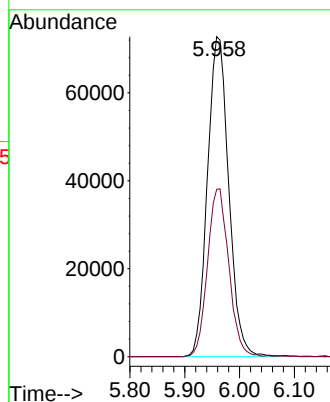
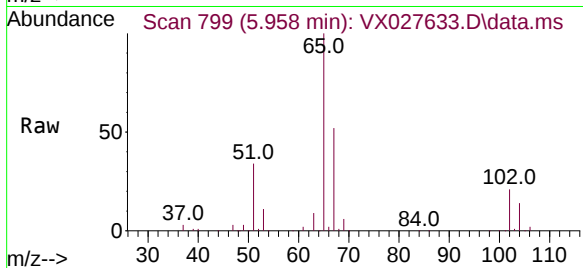
VX0322WBL02

Tgt Ion: 65 Resp: 195793

Ion Ratio Lower Upper

65 100

67 52.5 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: VX027633.D

Acq: 22 Mar 2022 23:46

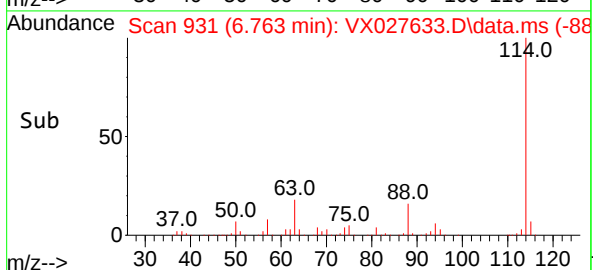
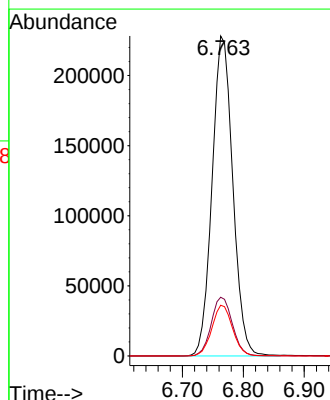
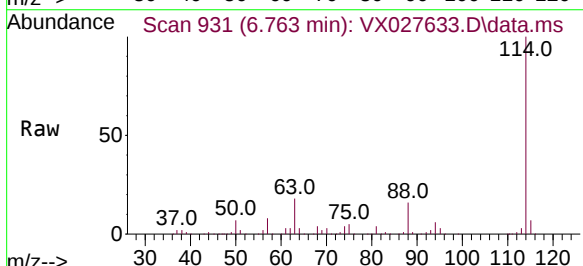
Tgt Ion: 114 Resp: 538500

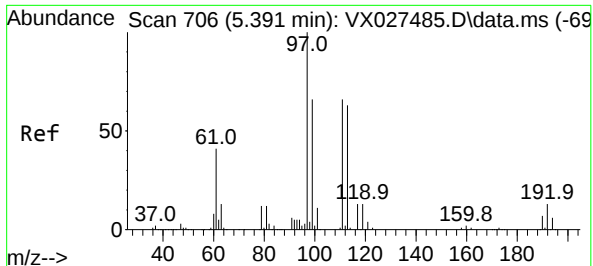
Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.8

88 15.8 0.0 32.4





#35

Dibromofluoromethane

Concen: 51.356 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX027633.D

Acq: 22 Mar 2022 23:46

Instrument :

MSVOA\_X

ClientSampleId :

VX0322WBL02

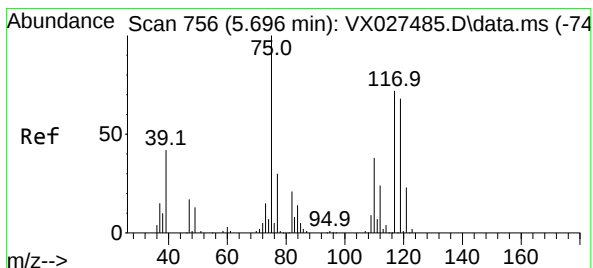
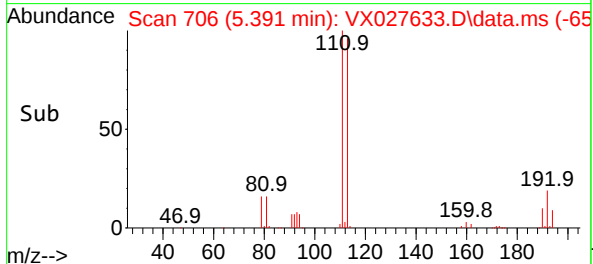
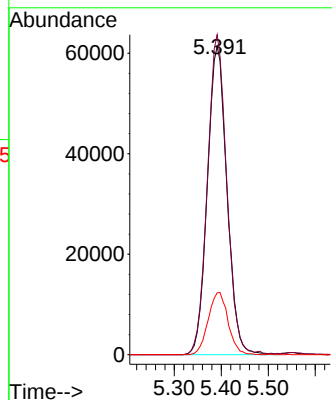
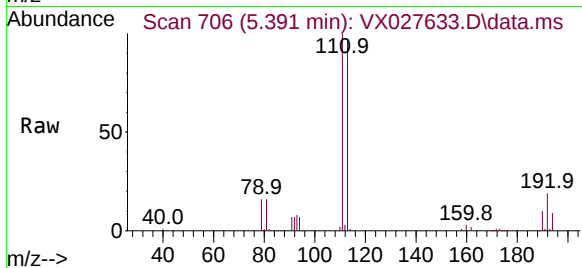
Tgt Ion:113 Resp: 177928

Ion Ratio Lower Upper

113 100

111 102.1 82.8 124.2

192 20.4 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.981 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX027633.D

Acq: 22 Mar 2022 23:46

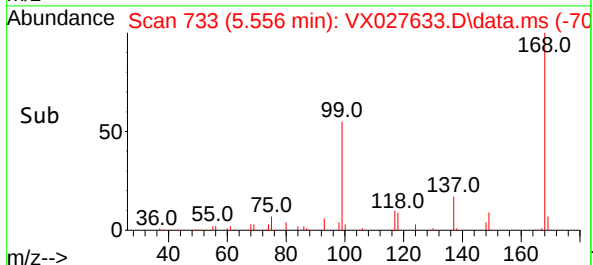
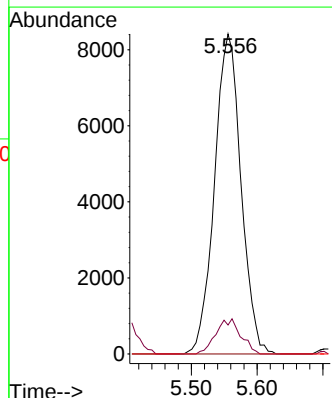
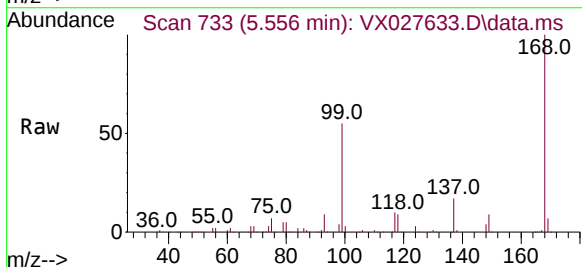
Tgt Ion: 75 Resp: 23581

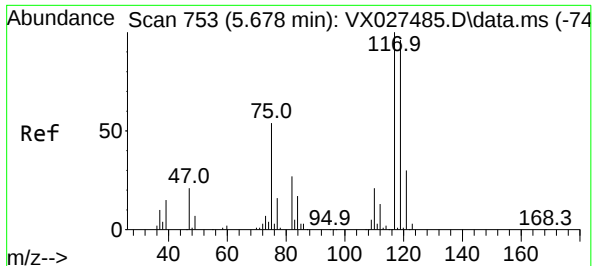
Ion Ratio Lower Upper

75 100

110 10.4 18.3 54.8#

77 0.0 24.8 37.2#

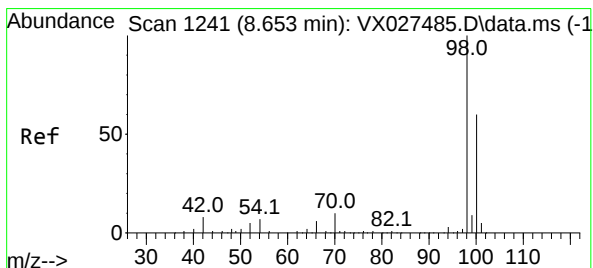
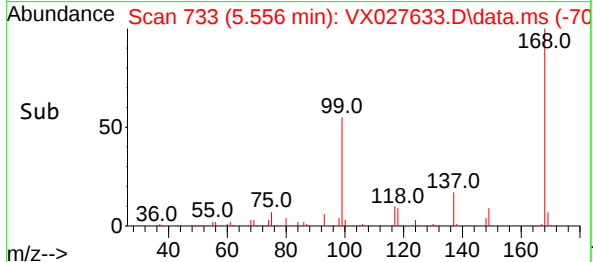
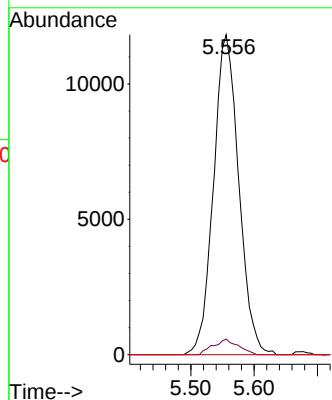
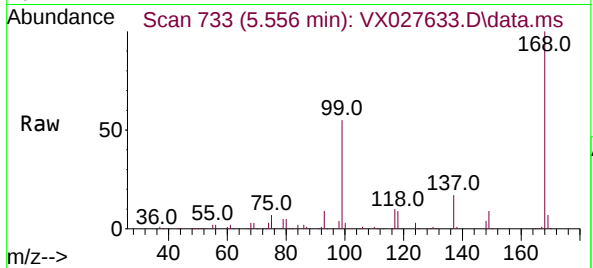




#38  
Carbon Tetrachloride  
Concen: 6.039 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX027633.D  
Acq: 22 Mar 2022 23:46

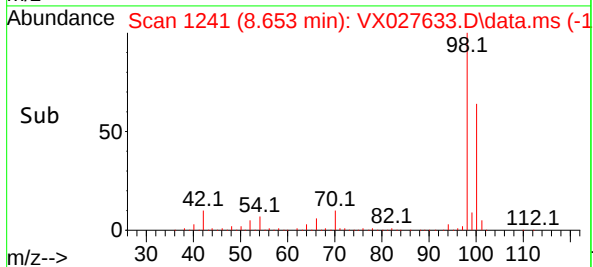
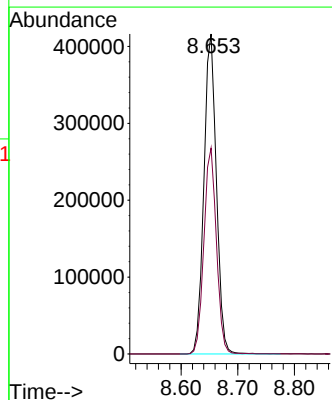
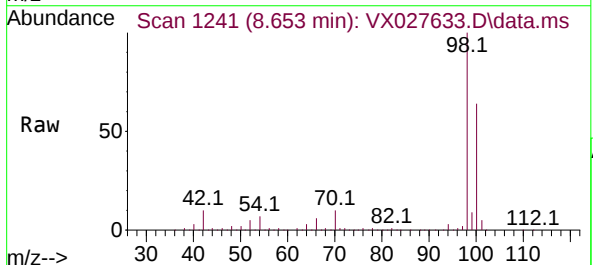
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0322WBL02

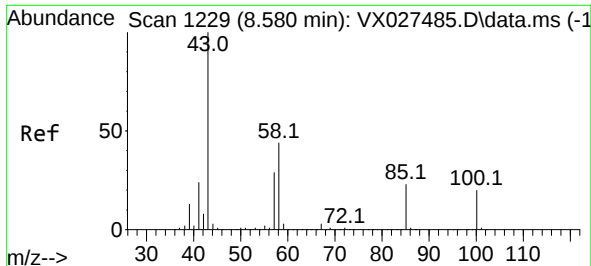
Tgt Ion:117 Resp: 32710  
Ion Ratio Lower Upper  
117 100  
119 4.9 77.3 115.9#  
121 0.0 24.2 36.2#



#50  
Toluene-d8  
Concen: 48.540 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.000 min  
Lab File: VX027633.D  
Acq: 22 Mar 2022 23:46

Tgt Ion: 98 Resp: 636386  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.504 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX027633.D

Acq: 22 Mar 2022 23:46

Instrument :

MSVOA\_X

ClientSampleId :

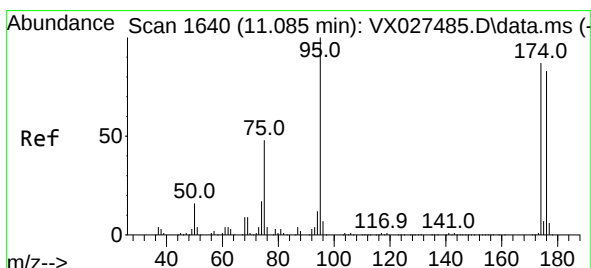
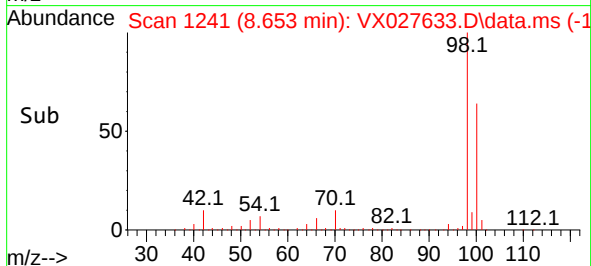
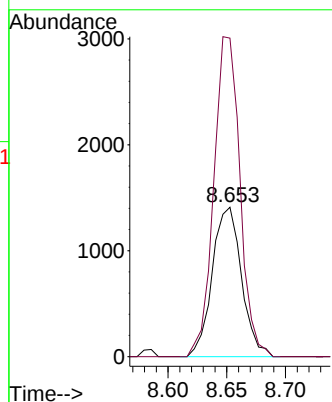
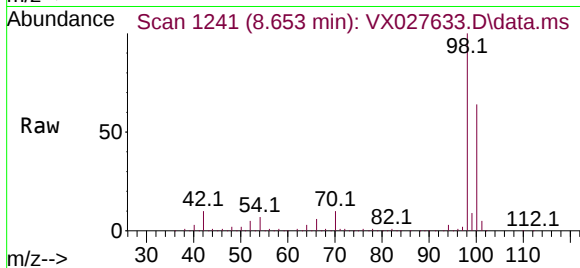
VX0322WBL02

Tgt Ion: 43 Resp: 2444

Ion Ratio Lower Upper

43 100

58 192.0 36.1 54.1#



#62

4-Bromofluorobenzene

Concen: 44.316 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX027633.D

Acq: 22 Mar 2022 23:46

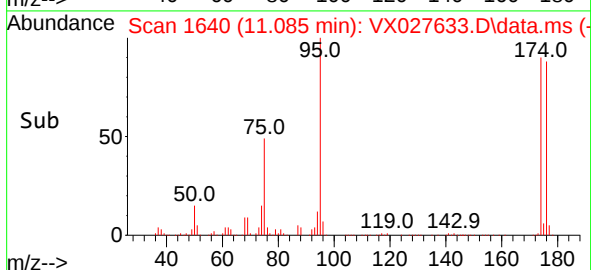
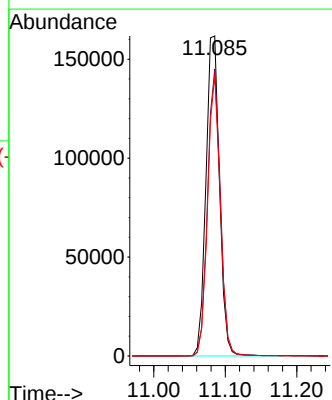
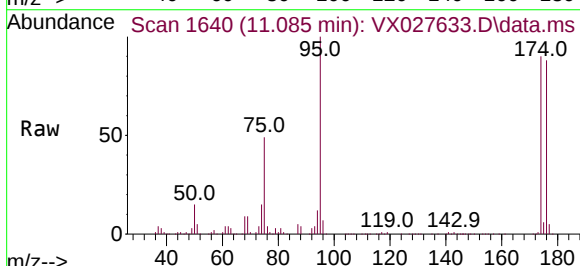
Tgt Ion: 95 Resp: 213552

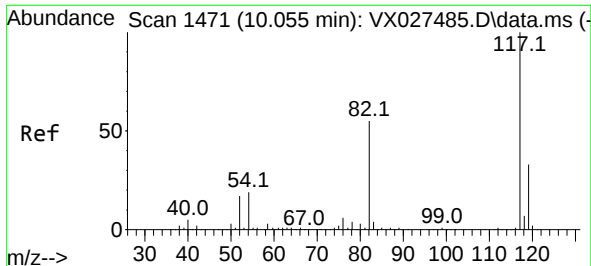
Ion Ratio Lower Upper

95 100

174 85.1 0.0 163.0

176 81.8 0.0 155.0

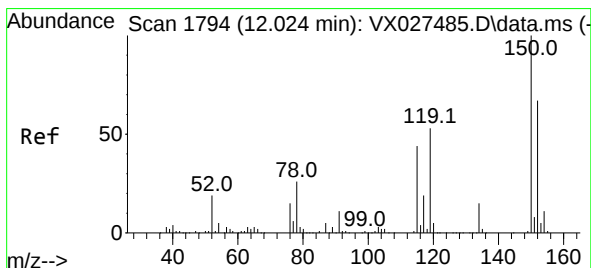
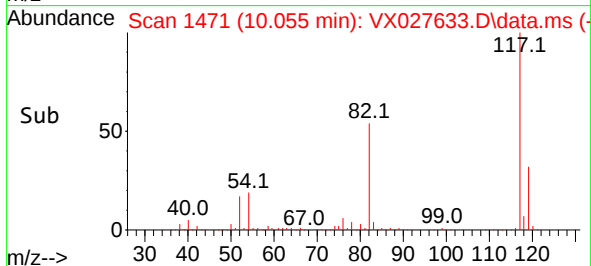
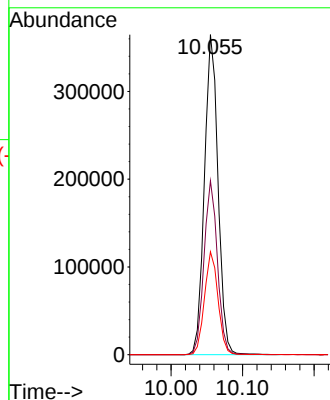
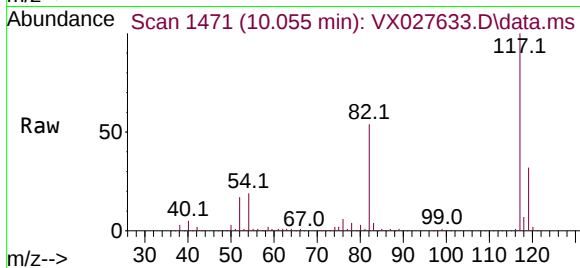




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX027633.D  
Acq: 22 Mar 2022 23:46

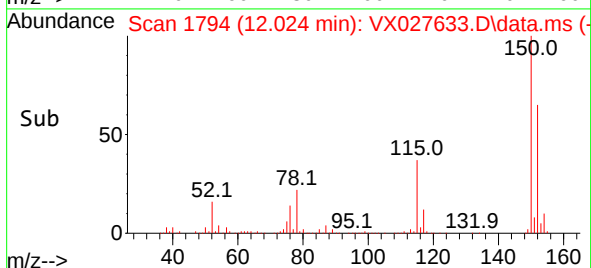
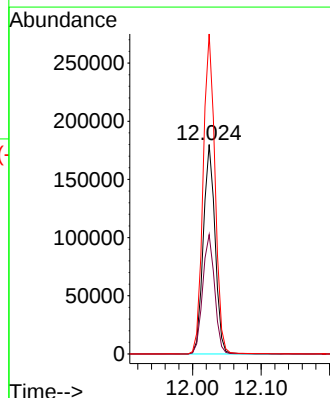
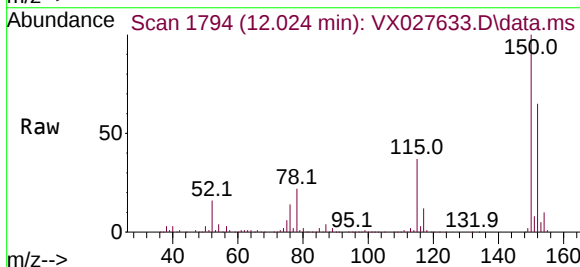
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0322WBL02

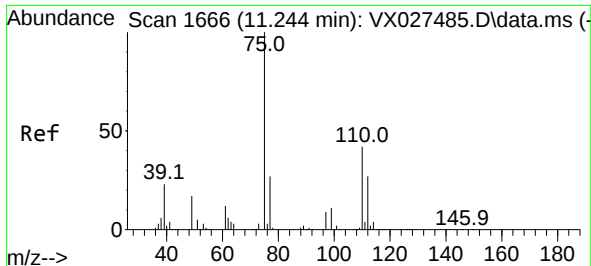
Tgt Ion:117 Resp: 482768  
Ion Ratio Lower Upper  
117 100  
82 54.4 41.8 62.8  
119 32.2 24.8 37.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX027633.D  
Acq: 22 Mar 2022 23:46

Tgt Ion:152 Resp: 215256  
Ion Ratio Lower Upper  
152 100  
115 57.9 37.5 112.7  
150 154.8 0.0 338.2

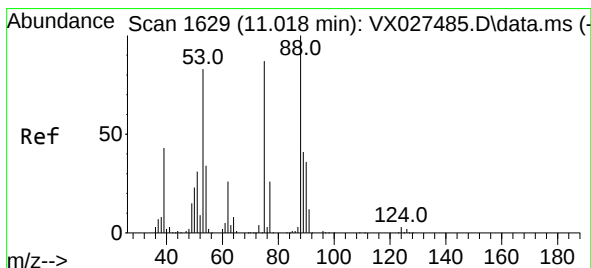
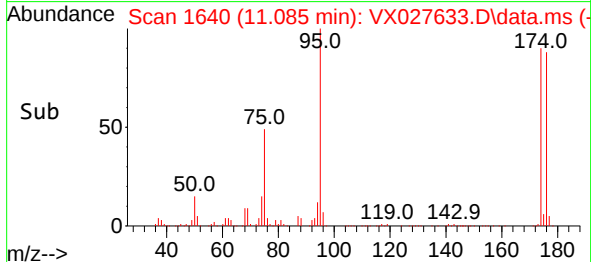
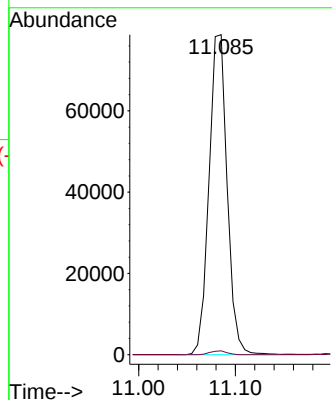
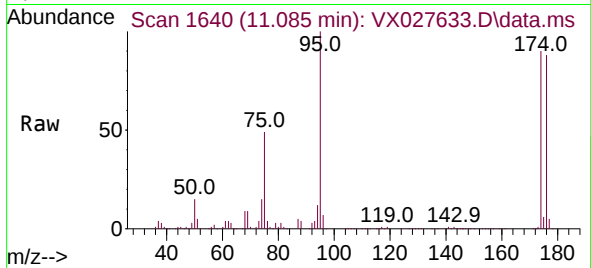




#76  
1,2,3-Trichloropropane  
Concen: 22.867 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.158 min  
Lab File: VX027633.D  
Acq: 22 Mar 2022 23:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0322WBL02

Tgt Ion: 75 Resp: 102958  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.4 58.2#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 69.448 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.067 min  
Lab File: VX027633.D  
Acq: 22 Mar 2022 23:46

Tgt Ion: 75 Resp: 102958  
Ion Ratio Lower Upper  
75 100  
53 0.0 69.0 103.4#  
89 0.0 37.0 55.6#

