

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040622\  
 Data File : VX028000.D  
 Acq On : 06 Apr 2022 16:32  
 Operator : JC/MD  
 Sample : N2220-18  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FB0331

Quant Time: Apr 07 08:07:37 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040522W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 05 15:58:31 2022  
 Response via : Initial Calibration

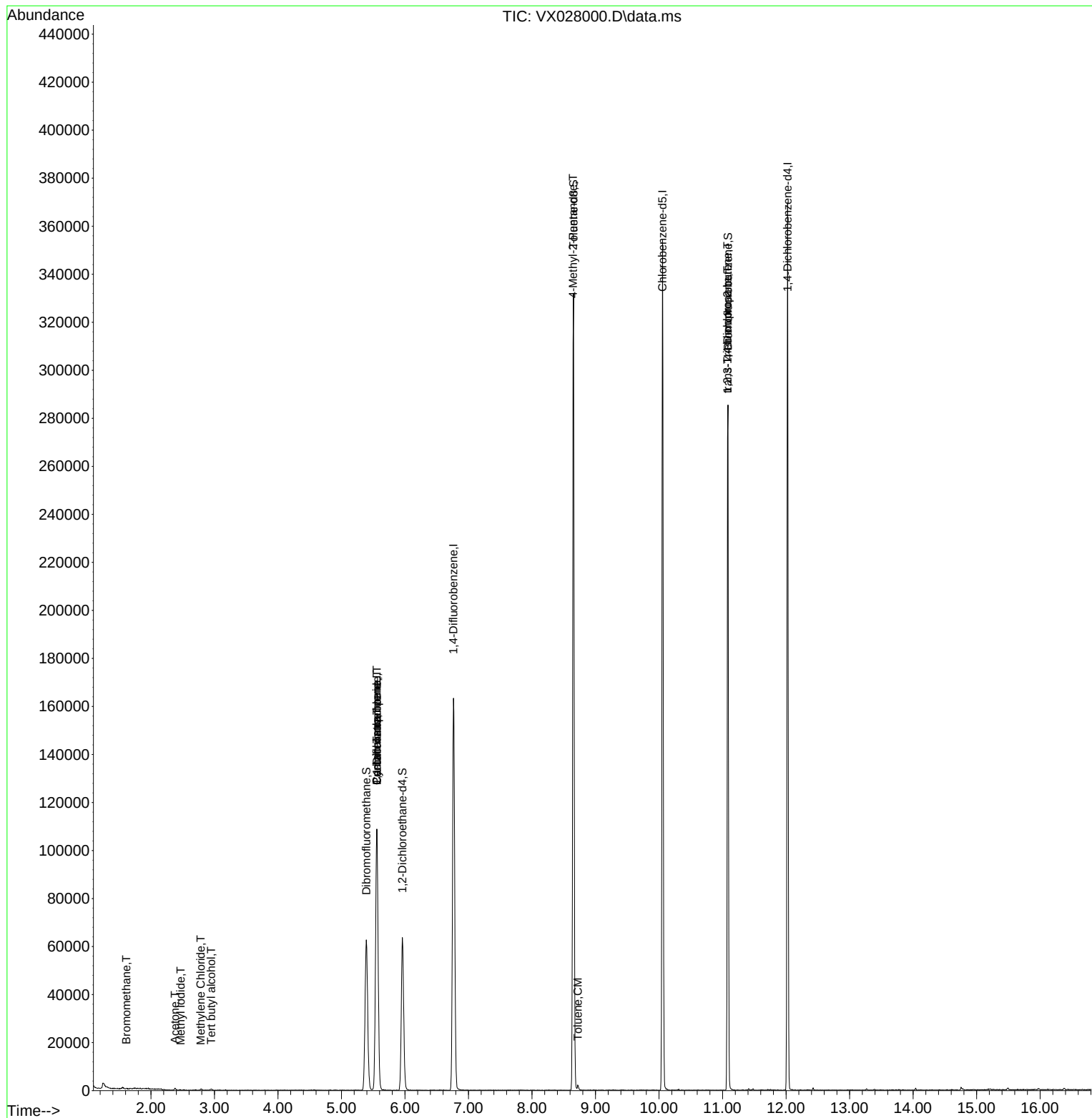
| Compound                      | R.T.           | QIon | Response   | Conc        | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|-------------|-------|----------|
| -----                         |                |      |            |             |       |          |
| Internal Standards            |                |      |            |             |       |          |
| 1) Pentafluorobenzene         | 5.556          | 168  | 105360     | 50.000      | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 174225     | 50.000      | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 160111     | 50.000      | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 74576      | 50.000      | ug/l  | 0.00     |
|                               |                |      |            |             |       |          |
| System Monitoring Compounds   |                |      |            |             |       |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 61334      | 46.659      | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 93.320%     |       |          |
| 35) Dibromofluoromethane      | 5.391          | 113  | 55646      | 47.197      | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 94.400%     |       |          |
| 50) Toluene-d8                | 8.653          | 98   | 199064     | 46.211      | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 92.420%     |       |          |
| 62) 4-Bromofluorobenzene      | 11.085         | 95   | 79736      | 47.069      | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 94.140%     |       |          |
|                               |                |      |            |             |       |          |
| Target Compounds              |                |      | Qvalue     |             |       |          |
| 5) Bromomethane               | 1.611          | 94   | 236        | 0.550 ug/l  |       | 89       |
| 6) Chloroethane               | 1.691          | 64   | 78         | Below Cal   | #     | 43       |
| 10) Methyl Iodide             | 2.465          | 142  | 214        | 3.660 ug/l  | #     | 76       |
| 11) Tert butyl alcohol        | 2.947          | 59   | 272        | 1.131 ug/l  | #     | 72       |
| 16) Acetone                   | 2.380          | 43   | 854        | 1.736 ug/l  |       | 88       |
| 20) Methylene Chloride        | 2.782          | 84   | 243        | 0.220 ug/l  | #     | 81       |
| 31) Cyclohexane               | 5.556          | 56   | 1915       | 1.125 ug/l  | #     | 1        |
| 36) 1,1-Dichloropropene       | 5.556          | 75   | 7315       | 4.719 ug/l  | #     | 51       |
| 38) Carbon Tetrachloride      | 5.556          | 117  | 10749      | 6.239 ug/l  | #     | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.647          | 43   | 681        | 0.423 ug/l  | #     | 1        |
| 52) Toluene                   | 8.720          | 92   | 700        | 0.236 ug/l  |       | 90       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 39500      | 25.797 ug/l | #     | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 39500      | 81.329 ug/l | #     | 15       |
| -----                         |                |      |            |             |       |          |

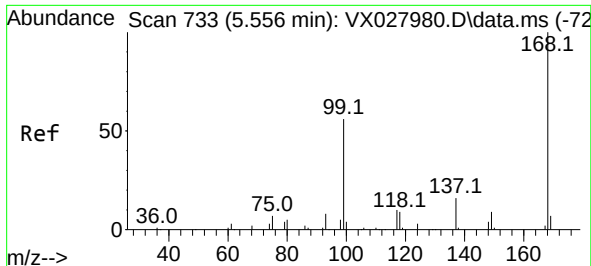
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040622\  
Data File : VX028000.D  
Acq On : 06 Apr 2022 16:32  
Operator : JC/MD  
Sample : N2220-18  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FB0331

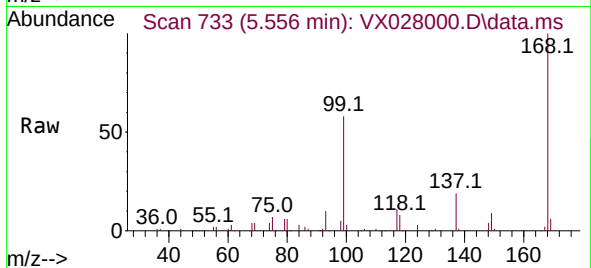
Quant Time: Apr 07 08:07:37 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040522W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 05 15:58:31 2022  
Response via : Initial Calibration



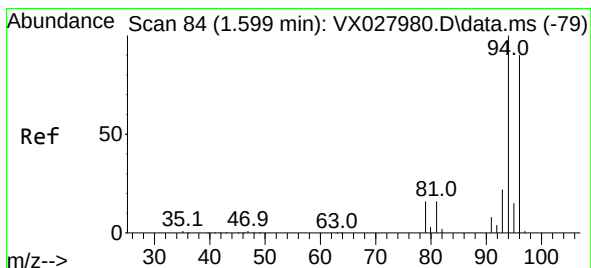
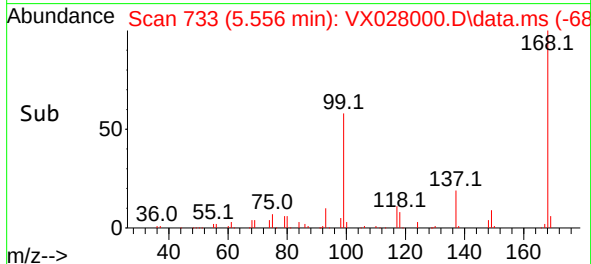
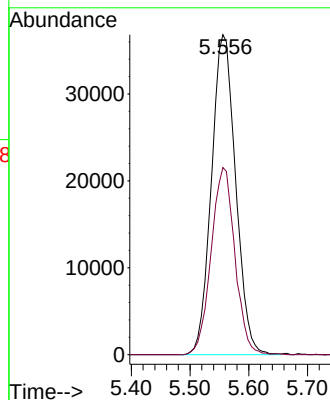


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX028000.D  
Acq: 06 Apr 2022 16:32

Instrument :  
MSVOA\_X  
ClientSampleId :  
FB0331

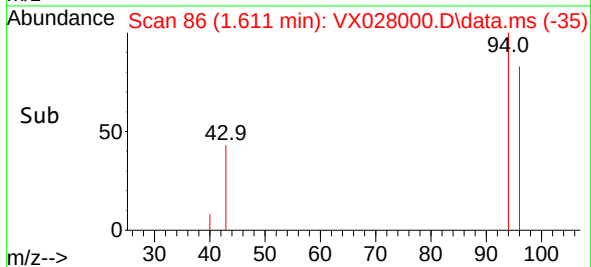
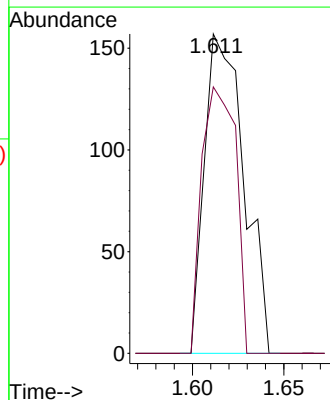
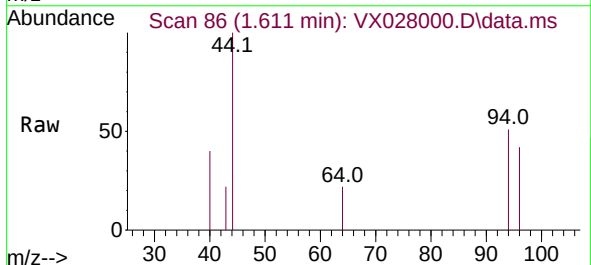


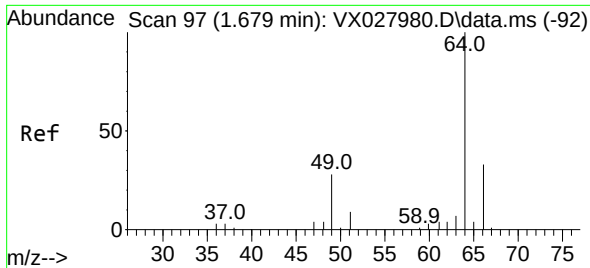
Tgt Ion:168 Resp: 105360  
Ion Ratio Lower Upper  
168 100  
99 58.5 41.7 62.5



#5  
Bromomethane  
Concen: 0.550 ug/l  
RT: 1.611 min Scan# 86  
Delta R.T. 0.012 min  
Lab File: VX028000.D  
Acq: 06 Apr 2022 16:32

Tgt Ion: 94 Resp: 236  
Ion Ratio Lower Upper  
94 100  
96 83.4 75.3 112.9

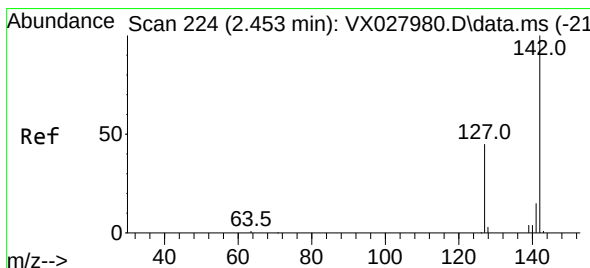
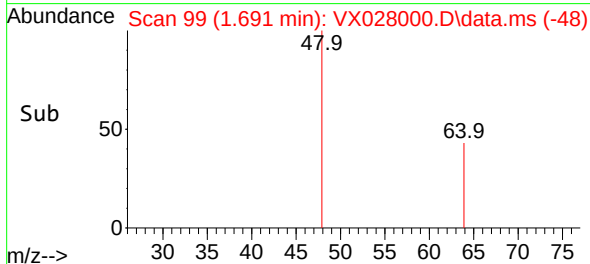
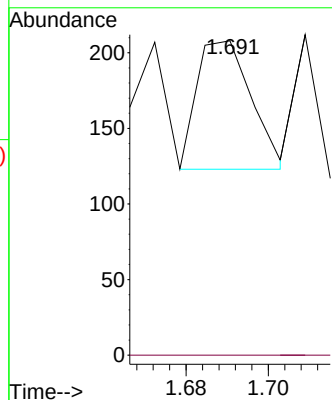
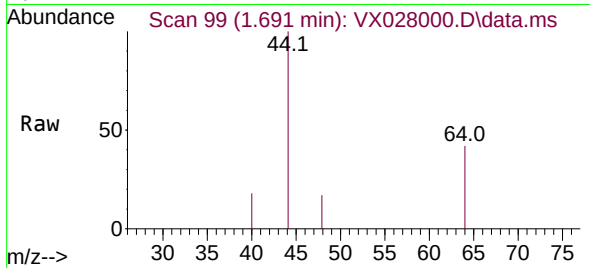




#6  
Chloroethane  
Concen: Below Cal  
RT: 1.691 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VX028000.D  
Acq: 06 Apr 2022 16:32

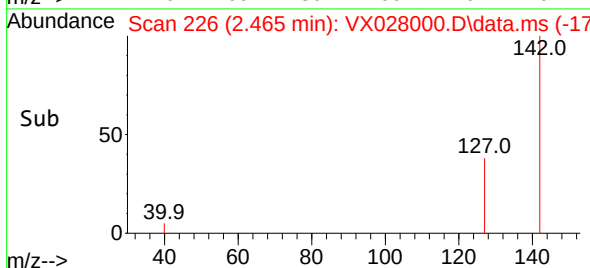
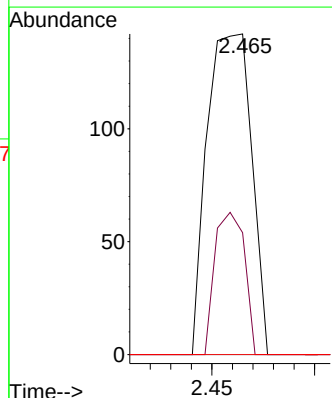
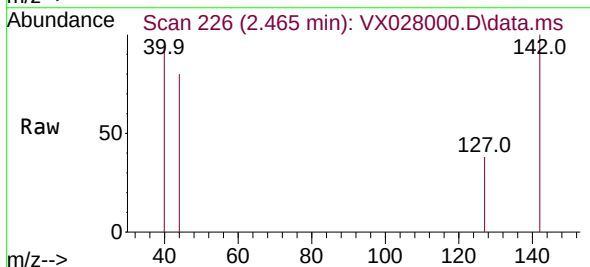
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB0331

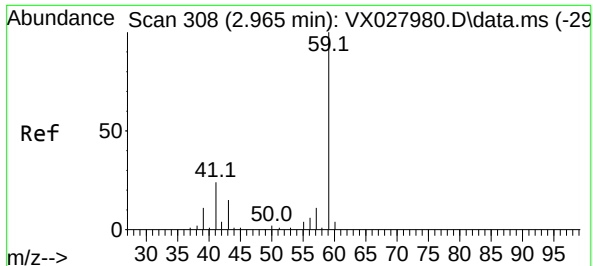
Tgt Ion: 64 Resp: 78  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.3 37.9#



#10  
Methyl Iodide  
Concen: 3.660 ug/l  
RT: 2.465 min Scan# 226  
Delta R.T. 0.012 min  
Lab File: VX028000.D  
Acq: 06 Apr 2022 16:32

Tgt Ion: 142 Resp: 214  
Ion Ratio Lower Upper  
142 100  
127 29.4 33.9 50.9#  
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: 1.131 ug/l

RT: 2.947 min Scan# 30

Delta R.T. -0.018 min

Lab File: VX028000.D

Acq: 06 Apr 2022 16:32

Instrument :

MSVOA\_X

ClientSampleId :

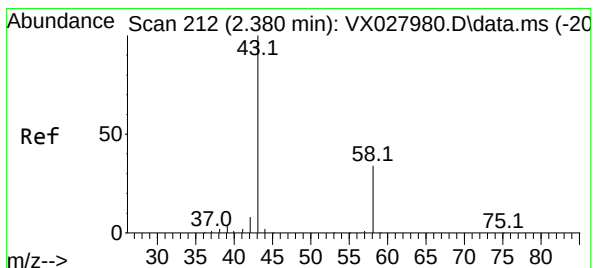
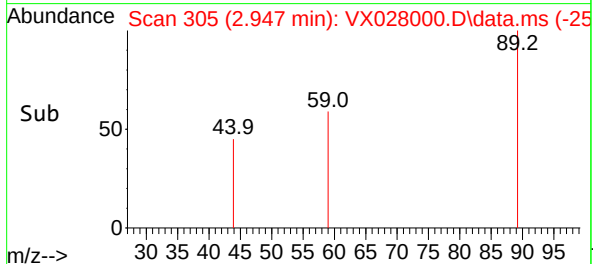
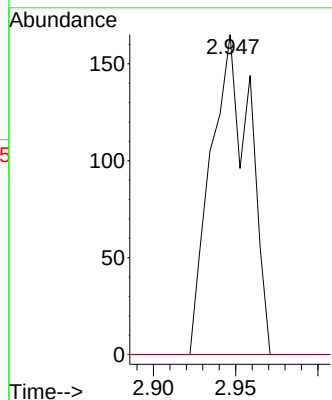
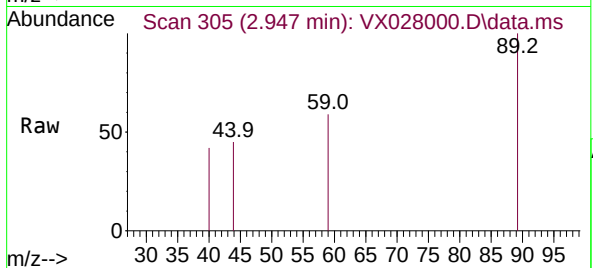
FB0331

Tgt Ion: 59 Resp: 272

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 1.736 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX028000.D

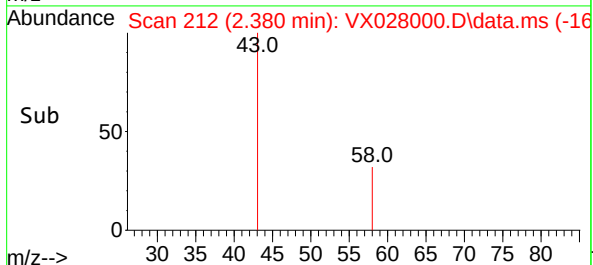
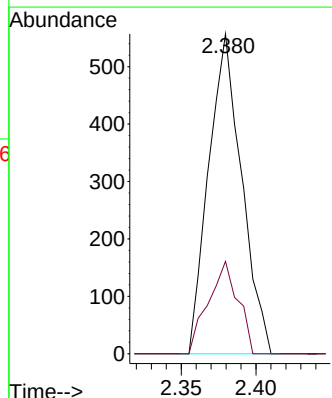
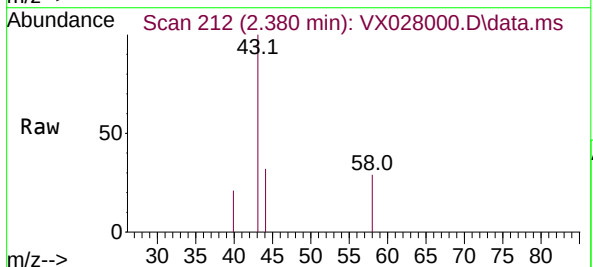
Acq: 06 Apr 2022 16:32

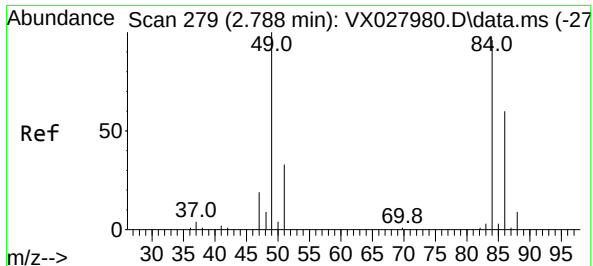
Tgt Ion: 43 Resp: 854

Ion Ratio Lower Upper

43 100

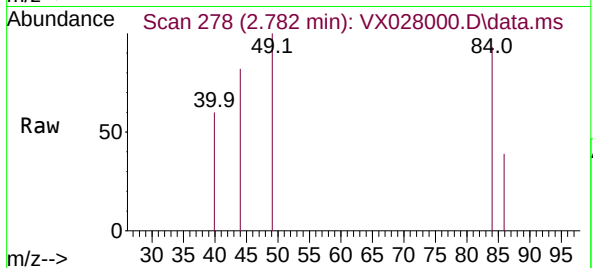
58 28.9 28.8 43.2



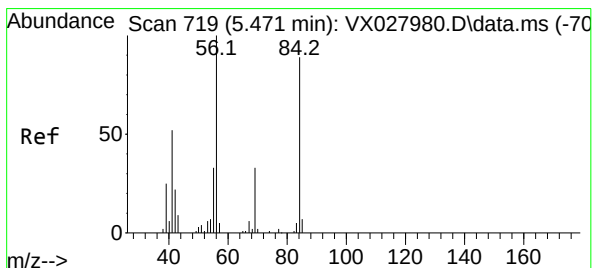
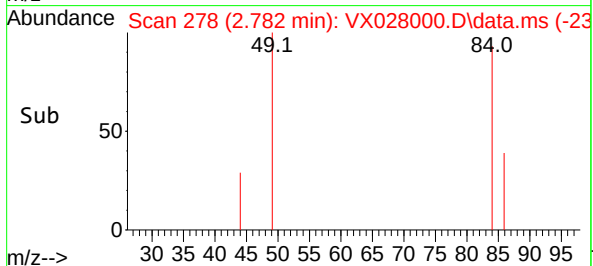
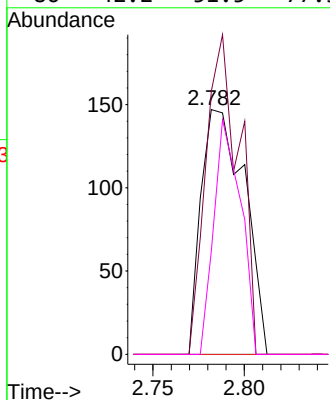


#20  
Methylene Chloride  
Concen: 0.220 ug/l  
RT: 2.782 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VX028000.D  
Acq: 06 Apr 2022 16:32

Instrument :  
MSVOA\_X  
ClientSampleId :  
FB0331

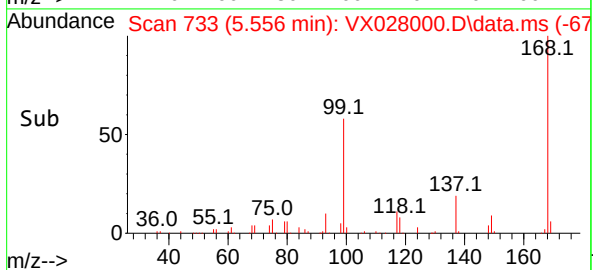
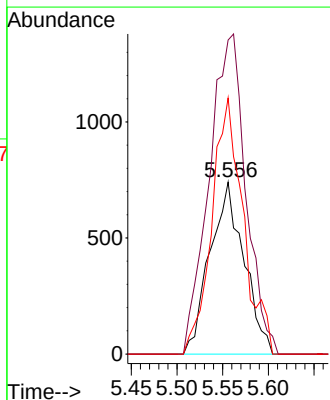
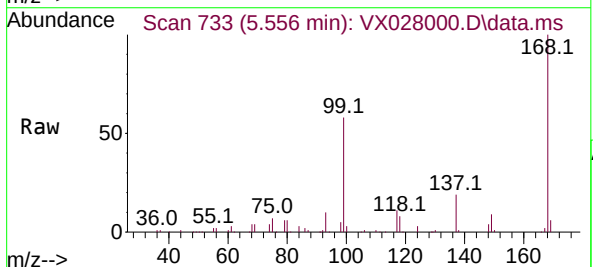


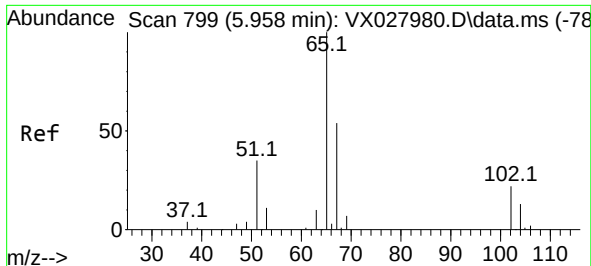
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 243   |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 107.5 | 85.5  | 128.3 |
| 51       | 0.0   | 26.6  | 39.8# |
| 86       | 42.2  | 51.5  | 77.3# |



#31  
Cyclohexane  
Concen: 1.125 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.085 min  
Lab File: VX028000.D  
Acq: 06 Apr 2022 16:32

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 1915   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 182.6 | 26.7  | 40.1#  |
| 84       | 148.9 | 77.2  | 115.8# |





#33

1,2-Dichloroethane-d4

Concen: 46.659 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028000.D

Acq: 06 Apr 2022 16:32

Instrument :

MSVOA\_X

ClientSampleId :

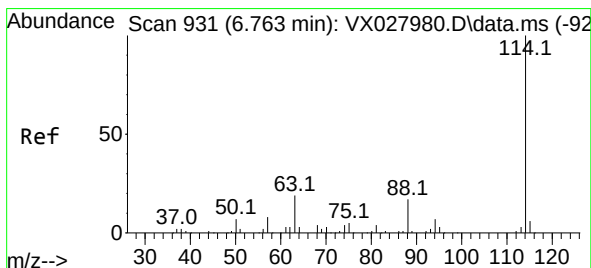
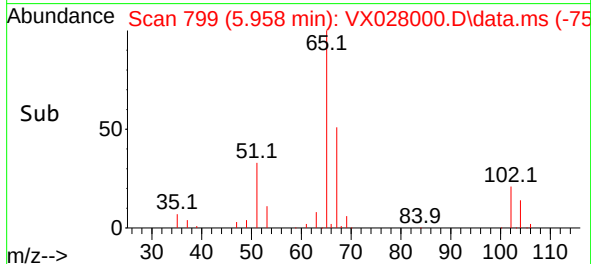
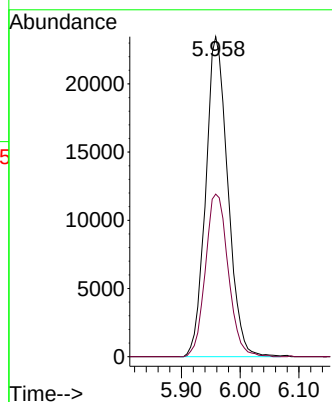
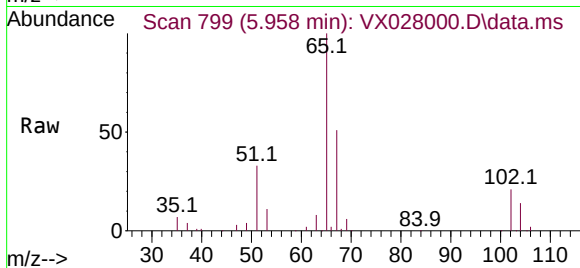
FB0331

Tgt Ion: 65 Resp: 61334

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: VX028000.D

Acq: 06 Apr 2022 16:32

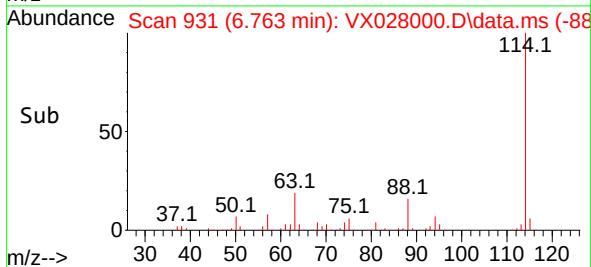
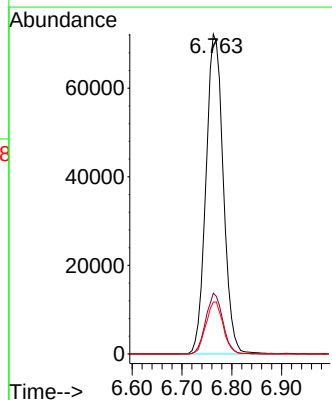
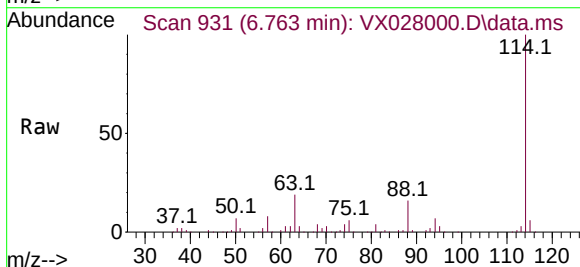
Tgt Ion: 114 Resp: 174225

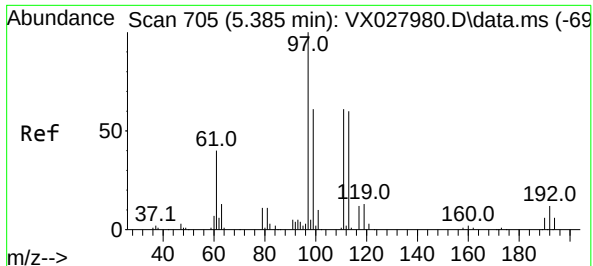
Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.8

88 16.2 0.0 32.4

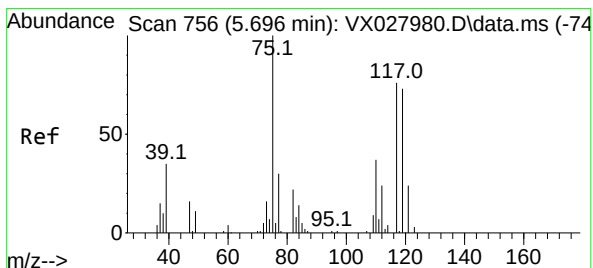
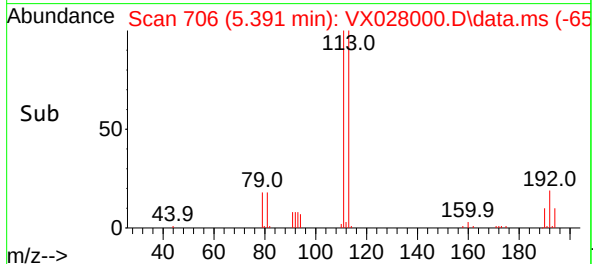
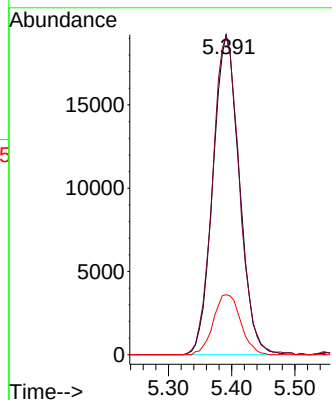
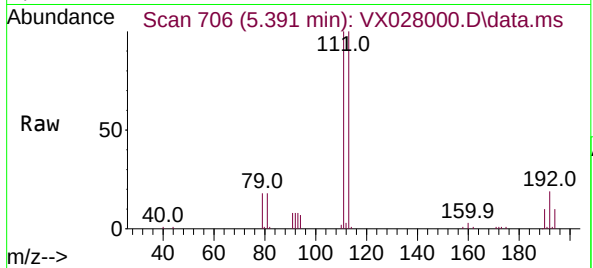




#35  
Dibromofluoromethane  
Concen: 47.197 ug/l  
RT: 5.391 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX028000.D  
Acq: 06 Apr 2022 16:32

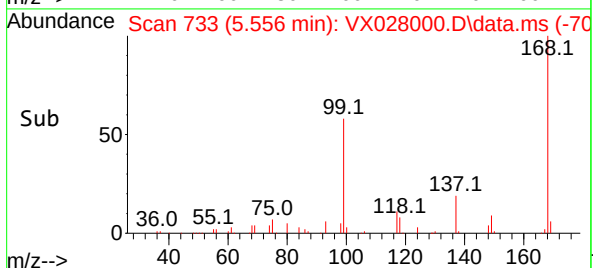
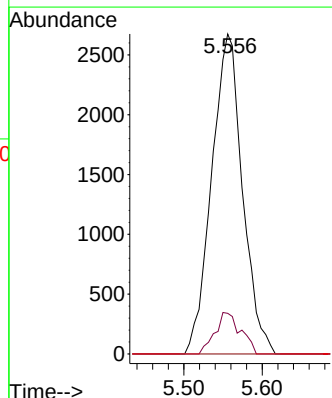
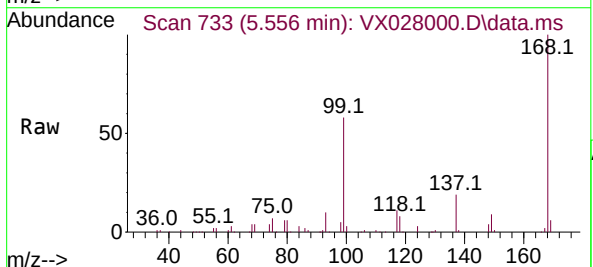
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB0331

Tgt Ion:113 Resp: 55646  
Ion Ratio Lower Upper  
113 100  
111 101.4 82.8 124.2  
192 19.4 16.9 25.3

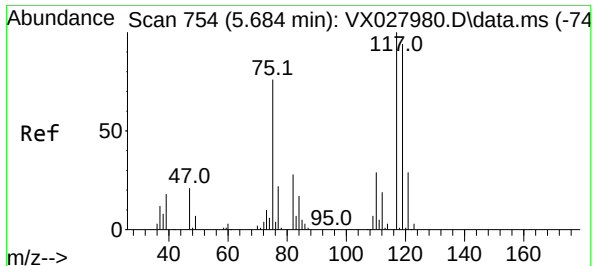


#36  
1,1-Dichloropropene  
Concen: 4.719 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.140 min  
Lab File: VX028000.D  
Acq: 06 Apr 2022 16:32

Tgt Ion: 75 Resp: 7315  
Ion Ratio Lower Upper  
75 100  
110 10.7 18.3 54.8#  
77 0.0 24.8 37.2#

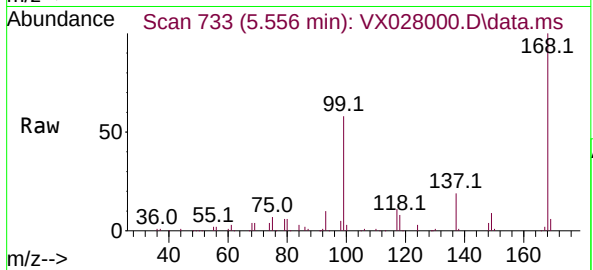




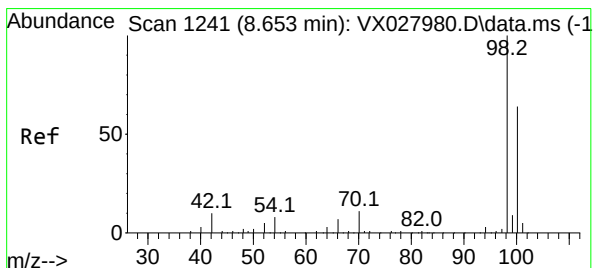
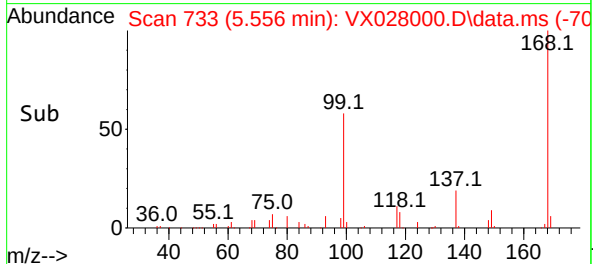
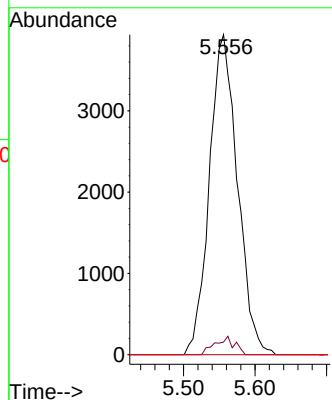


#38  
Carbon Tetrachloride  
Concen: 6.239 ug/l  
RT: 5.556 min Scan# 711  
Delta R.T. -0.128 min  
Lab File: VX028000.D  
Acq: 06 Apr 2022 16:32

Instrument :  
MSVOA\_X  
ClientSampleId :  
FB0331

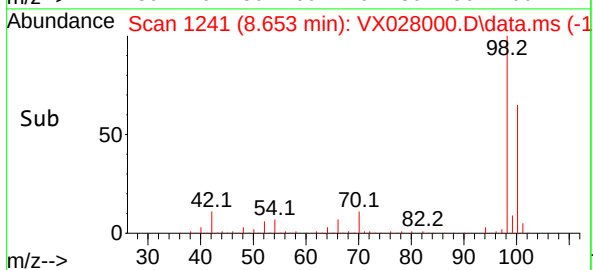
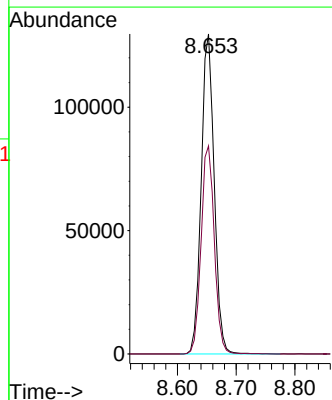
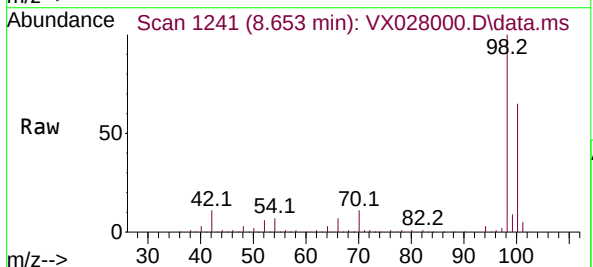


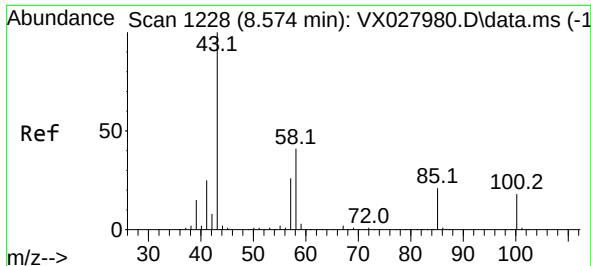
Tgt Ion:117 Resp: 10749  
Ion Ratio Lower Upper  
117 100  
119 4.0 77.3 115.9#  
121 0.0 24.2 36.2#



#50  
Toluene-d8  
Concen: 46.211 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX028000.D  
Acq: 06 Apr 2022 16:32

Tgt Ion: 98 Resp: 199064  
Ion Ratio Lower Upper  
98 100  
100 66.3 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.423 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX028000.D

Acq: 06 Apr 2022 16:32

Instrument :

MSVOA\_X

ClientSampleId :

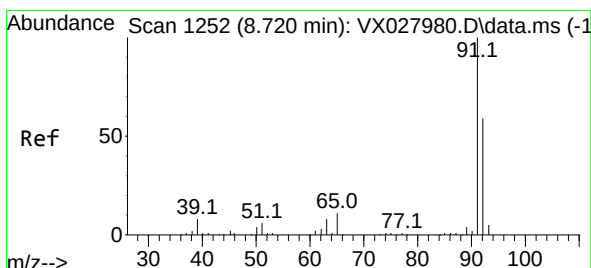
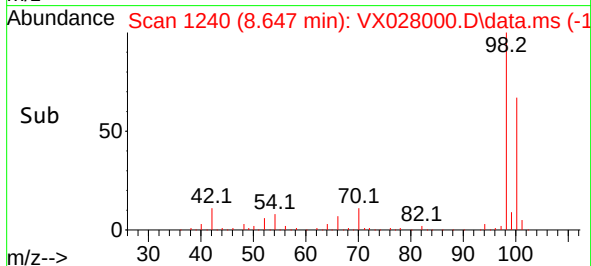
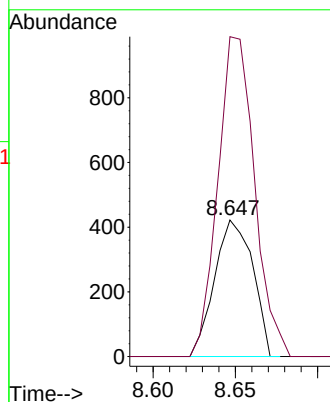
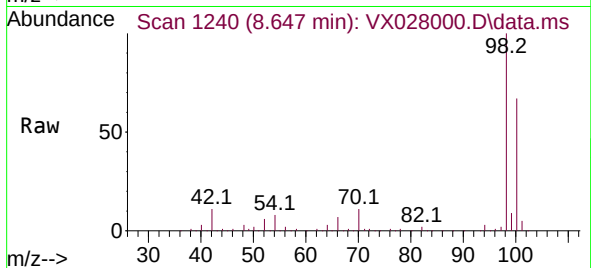
FB0331

Tgt Ion: 43 Resp: 681

Ion Ratio Lower Upper

43 100

58 225.6 36.1 54.1#



#52

Toluene

Concen: 0.236 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX028000.D

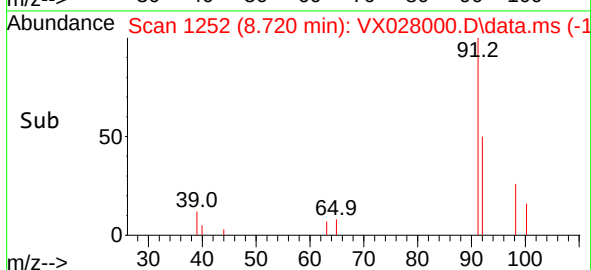
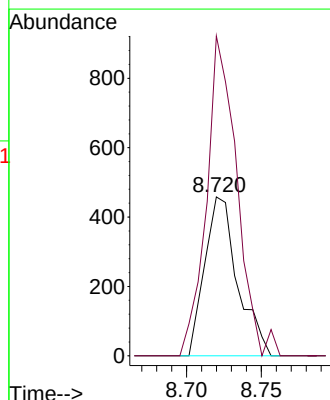
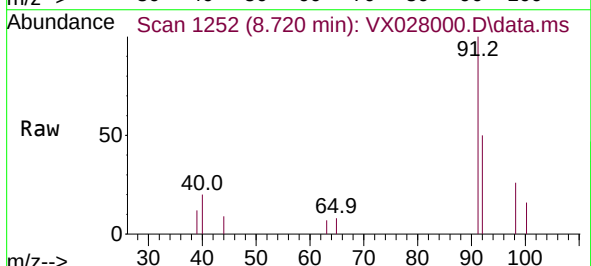
Acq: 06 Apr 2022 16:32

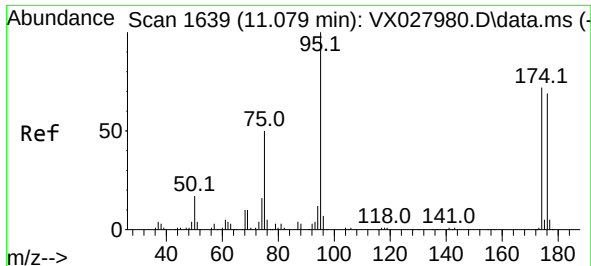
Tgt Ion: 92 Resp: 700

Ion Ratio Lower Upper

92 100

91 186.3 137.5 206.3

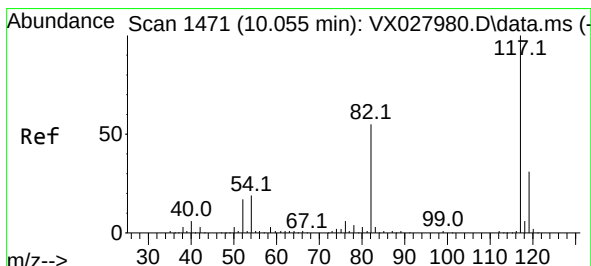
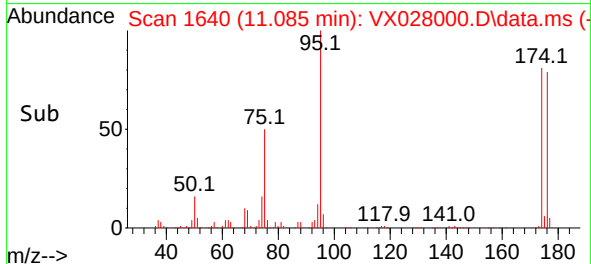
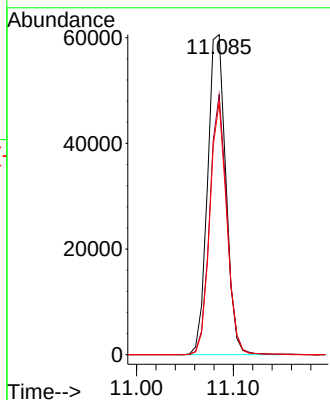
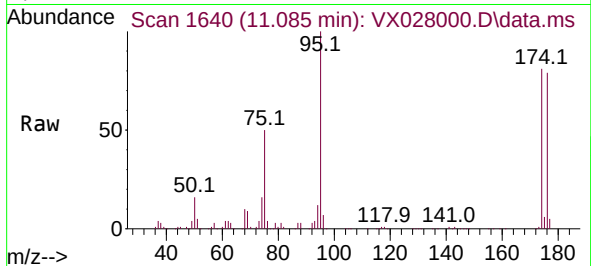




#62  
4-Bromofluorobenzene  
Concen: 47.069 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.006 min  
Lab File: VX028000.D  
Acq: 06 Apr 2022 16:32

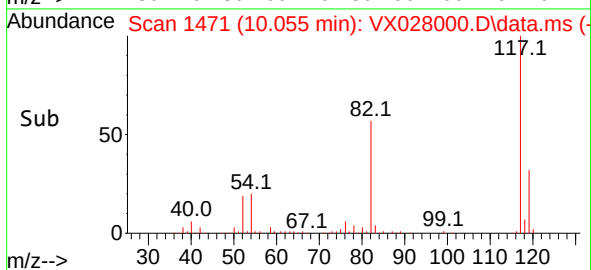
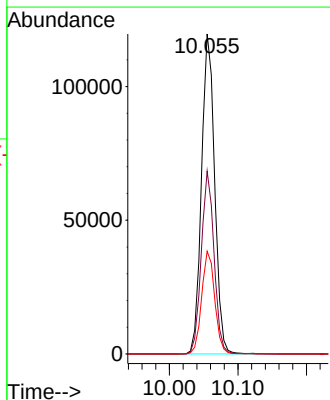
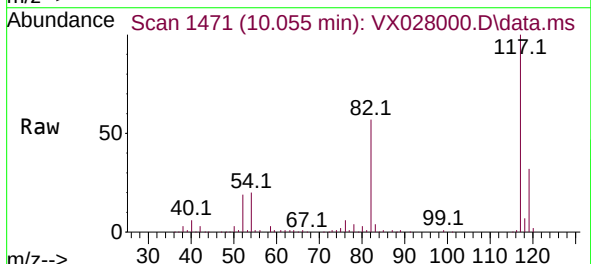
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB0331

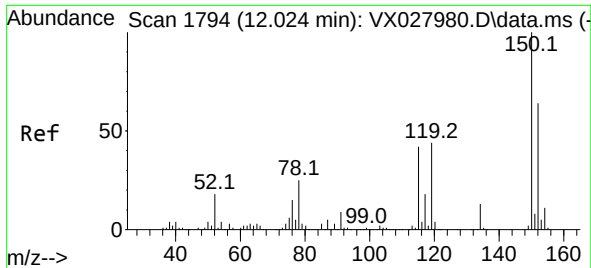
Tgt Ion: 95 Resp: 79736  
Ion Ratio Lower Upper  
95 100  
174 76.2 0.0 163.0  
176 73.4 0.0 155.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX028000.D  
Acq: 06 Apr 2022 16:32

Tgt Ion: 117 Resp: 160111  
Ion Ratio Lower Upper  
117 100  
82 57.2 41.8 62.8  
119 32.1 24.8 37.2

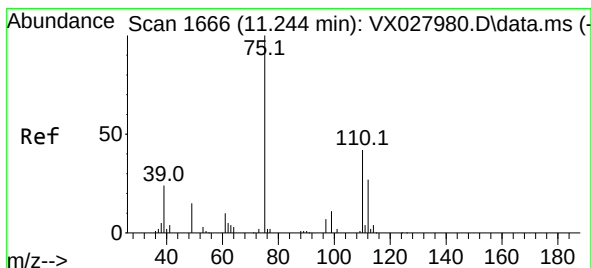
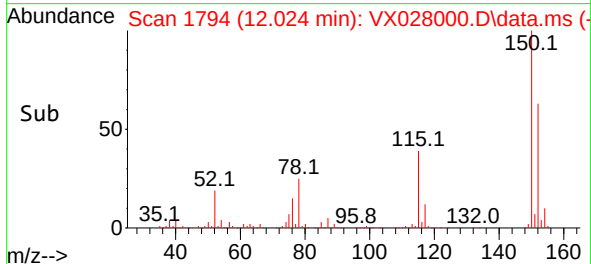
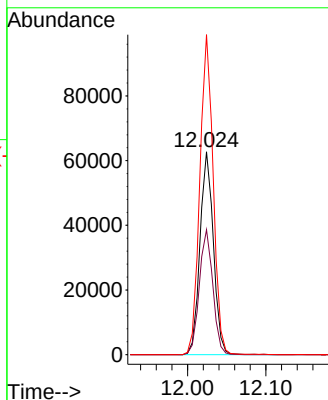
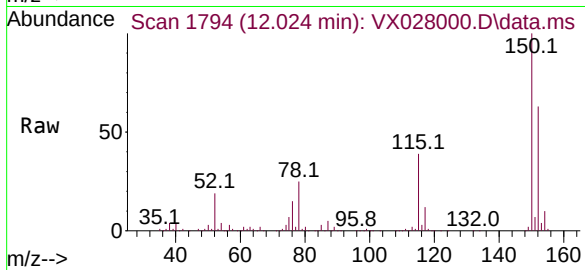




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX028000.D  
 Acq: 06 Apr 2022 16:32

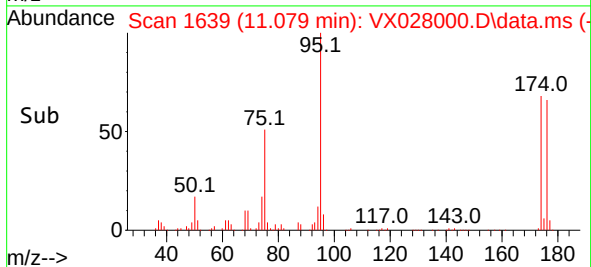
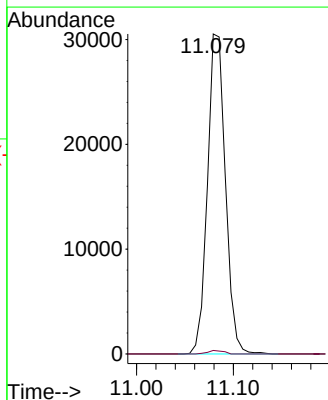
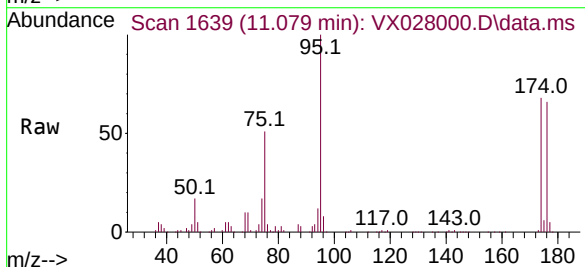
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FB0331

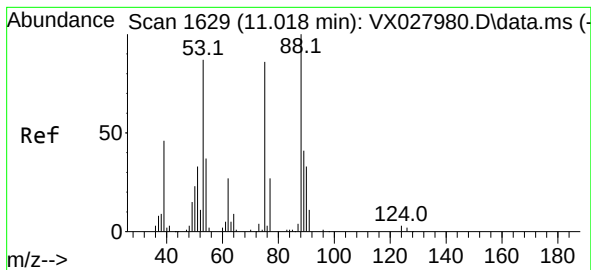
Tgt Ion:152 Resp: 74576  
 Ion Ratio Lower Upper  
 152 100  
 115 62.0 37.5 112.7  
 150 156.8 0.0 338.2



#76  
 1,2,3-Trichloropropane  
 Concen: 25.797 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.165 min  
 Lab File: VX028000.D  
 Acq: 06 Apr 2022 16:32

Tgt Ion: 75 Resp: 39500  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 19.4 58.2#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 81.329 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX028000.D  
 Acq: 06 Apr 2022 16:32

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FB0331

Tgt Ion: 75 Resp: 39500  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 69.0 103.4#  
 89 0.0 37.0 55.6#

