

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060922\  
 Data File : VX029342.D  
 Acq On : 09 Jun 2022 13:42  
 Operator : JC/MD  
 Sample : VX0609WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jun 09 17:53:13 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X060722W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 08 03:00:38 2022  
 Response via : Initial Calibration

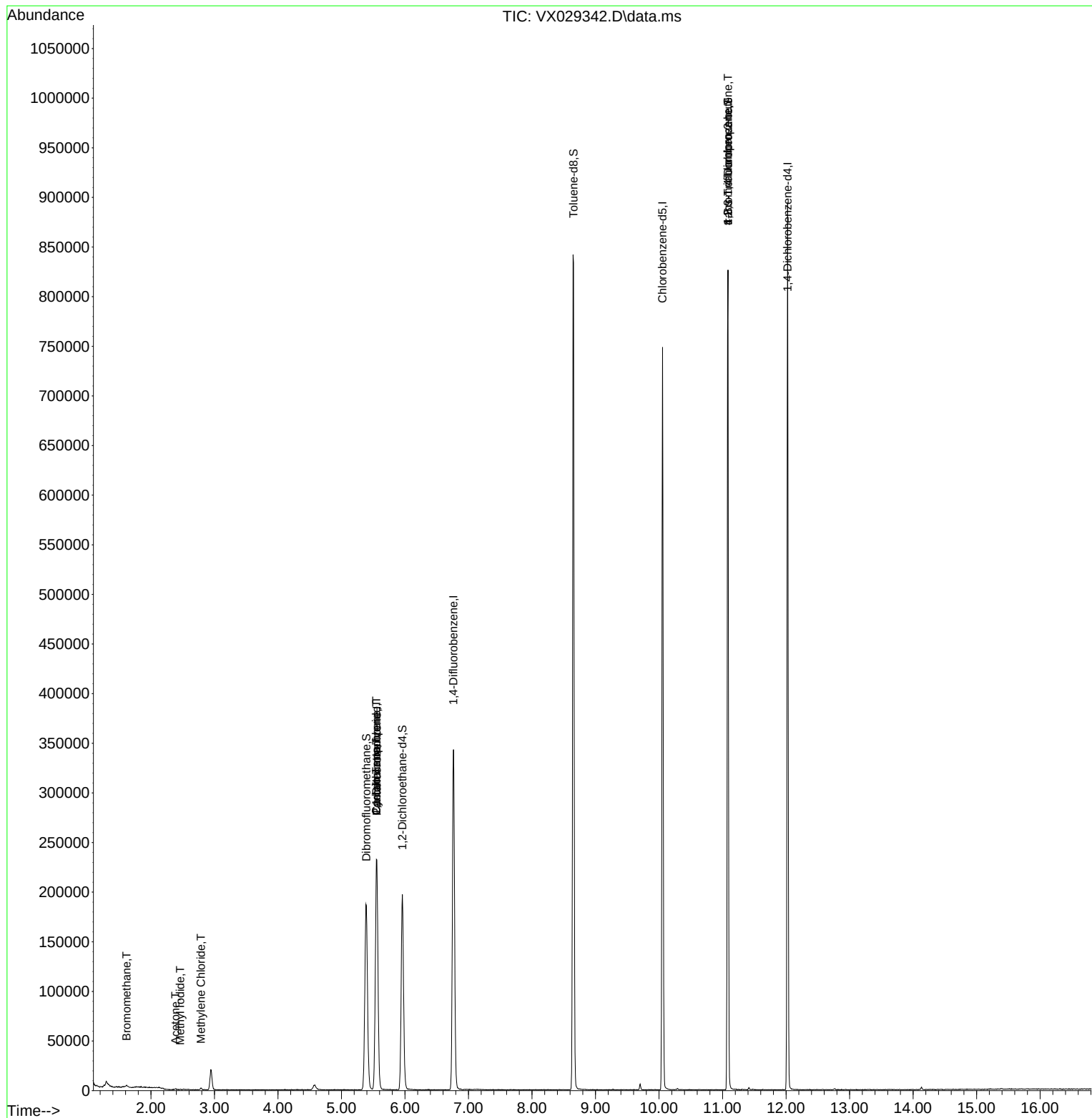
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 5.556          | 168  | 213980              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 360054              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 335834              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 174826              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 187004              | 57.681    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = 115.360% |           |        |          |
| 35) Dibromofluoromethane      | 5.391          | 113  | 166349              | 54.345    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = 108.700% |           |        |          |
| 50) Toluene-d8                | 8.653          | 98   | 511665              | 47.264    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = 94.520%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 11.085         | 95   | 234081              | 55.253    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = 110.500% |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
|                               |                |      |                     |           | Qvalue |          |
| 5) Bromomethane               | 1.617          | 94   | 638                 | 0.317     | ug/l # | 73       |
| 6) Chloroethane               | 1.672          | 64   | 1051                | Below Cal | #      | 43       |
| 10) Methyl Iodide             | 2.459          | 142  | 467                 | 1.347     | ug/l # | 66       |
| 11) Tert butyl alcohol        | 2.940          | 59   | 11729               | Below Cal | #      | 74       |
| 16) Acetone                   | 2.385          | 43   | 1022                | 0.590     | ug/l   | 89       |
| 20) Methylene Chloride        | 2.788          | 84   | 873                 | 0.226     | ug/l # | 85       |
| 31) Cyclohexane               | 5.549          | 56   | 4553                | 0.785     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.549          | 75   | 17140               | 3.390     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.549          | 117  | 22698               | 4.392     | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 11.085         | 75   | 116460              | 28.520    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.085         | 75   | 116460              | 86.990    | ug/l # | 15       |
| -----                         |                |      |                     |           |        |          |

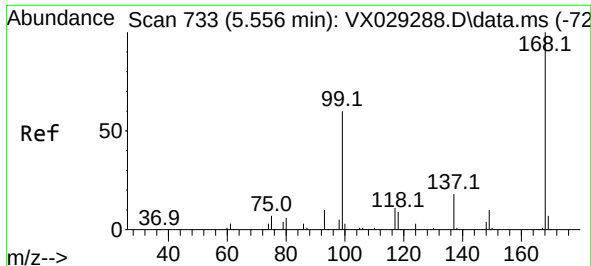
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060922\  
Data File : VX029342.D  
Acq On : 09 Jun 2022 13:42  
Operator : JC/MD  
Sample : VX0609WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

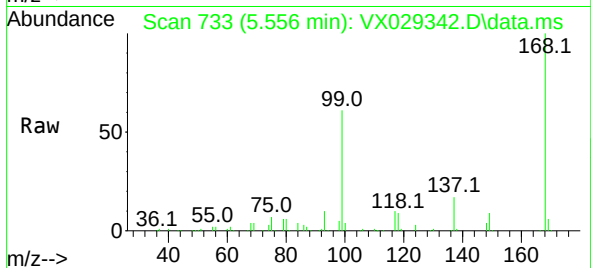
Quant Time: Jun 09 17:53:13 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X060722W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 08 03:00:38 2022  
Response via : Initial Calibration



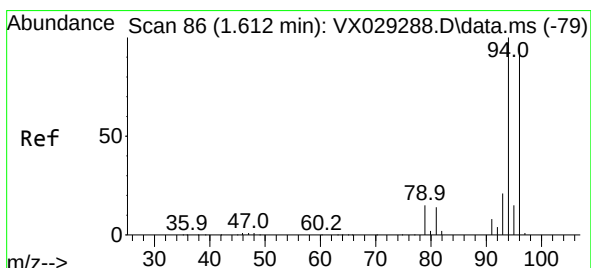
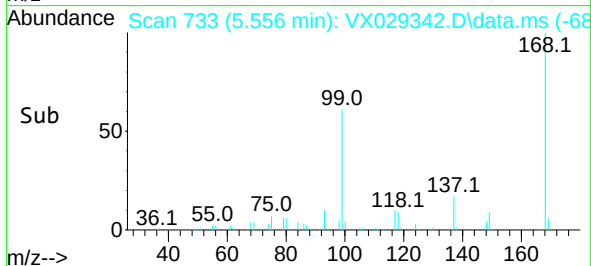
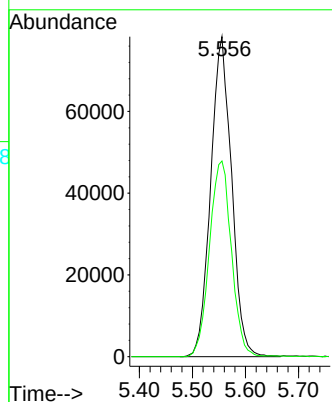


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX029342.D  
Acq: 09 Jun 2022 13:42

Instrument :  
MSVOA\_X  
ClientSampleId :

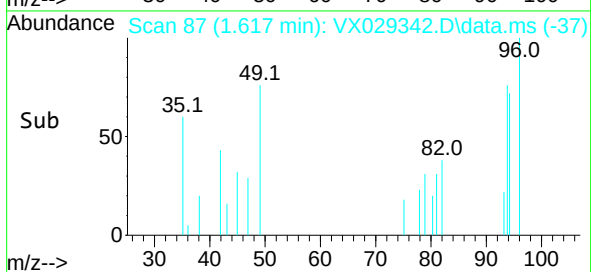
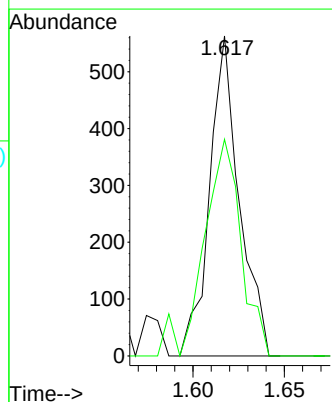
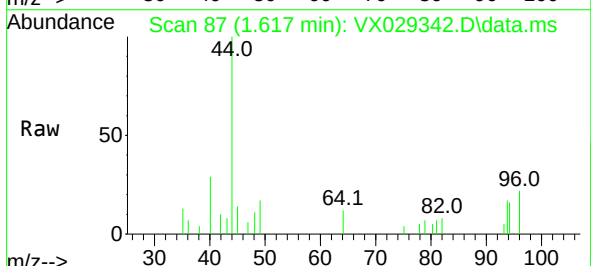


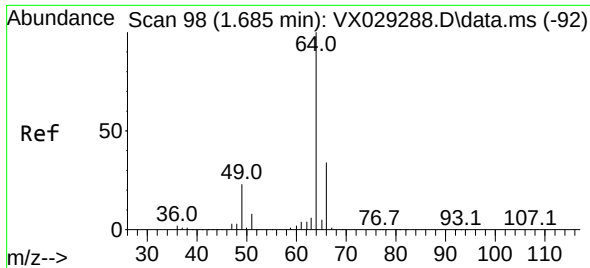
Tgt Ion:168 Resp: 213980  
Ion Ratio Lower Upper  
168 100  
99 61.1 41.7 62.5



#5  
Bromomethane  
Concen: 0.317 ug/l  
RT: 1.617 min Scan# 87  
Delta R.T. 0.005 min  
Lab File: VX029342.D  
Acq: 09 Jun 2022 13:42

Tgt Ion: 94 Resp: 638  
Ion Ratio Lower Upper  
94 100  
96 67.7 75.3 112.9#

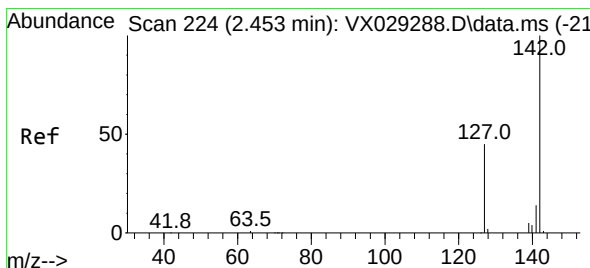
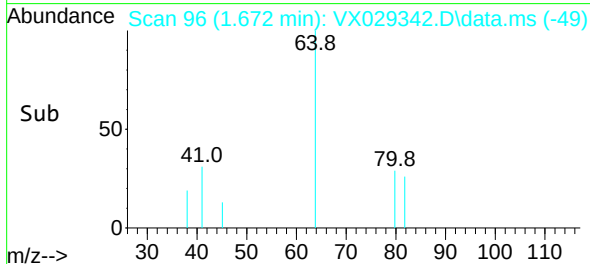
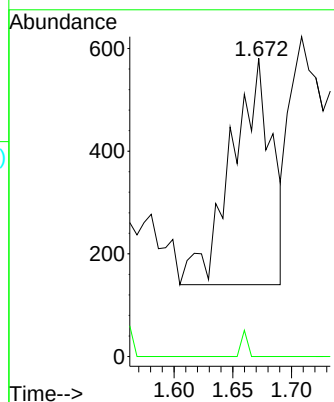
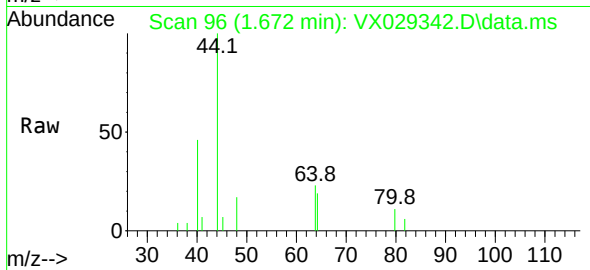




#6  
Chloroethane  
Concen: Below Cal  
RT: 1.672 min Scan# 90  
Delta R.T. -0.013 min  
Lab File: VX029342.D  
Acq: 09 Jun 2022 13:42

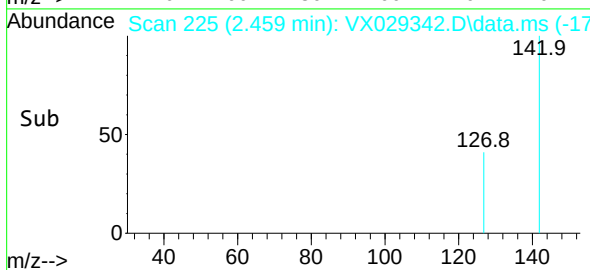
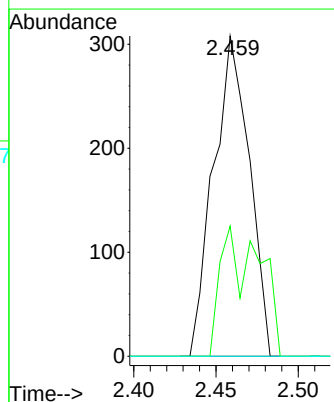
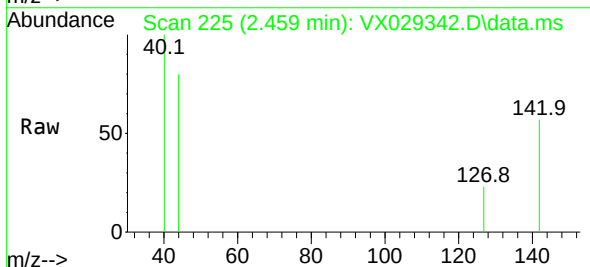
Instrument :  
MSVOA\_X  
ClientSampleId :

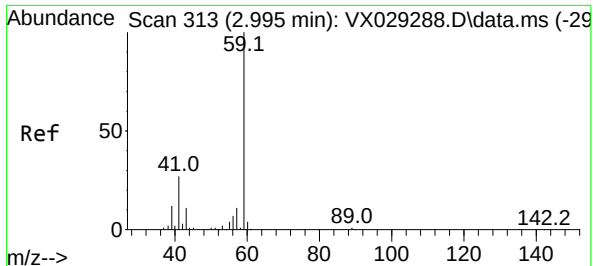
Tgt Ion: 64 Resp: 1051  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.3 37.9#



#10  
Methyl Iodide  
Concen: 1.347 ug/l  
RT: 2.459 min Scan# 225  
Delta R.T. 0.006 min  
Lab File: VX029342.D  
Acq: 09 Jun 2022 13:42

Tgt Ion:142 Resp: 467  
Ion Ratio Lower Upper  
142 100  
127 21.2 33.9 50.9#  
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.940 min Scan# 304

Delta R.T. -0.055 min

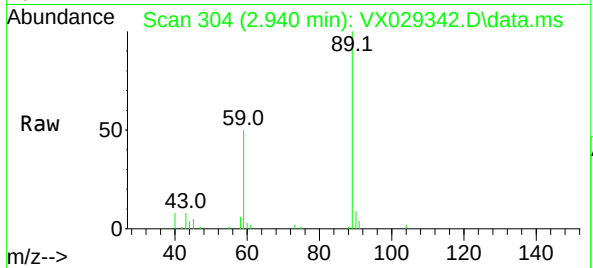
Lab File: VX029342.D

Acq: 09 Jun 2022 13:42

Instrument :

MSVOA\_X

ClientSampleId :

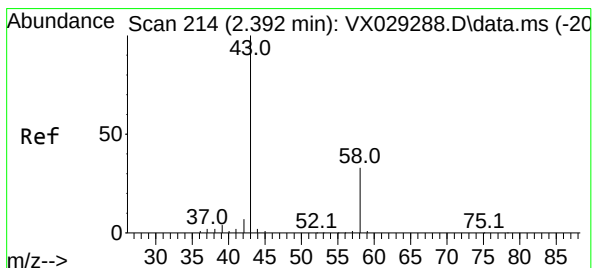
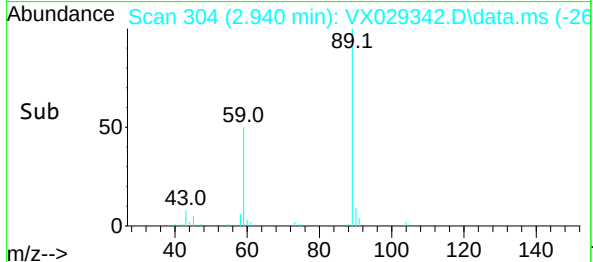
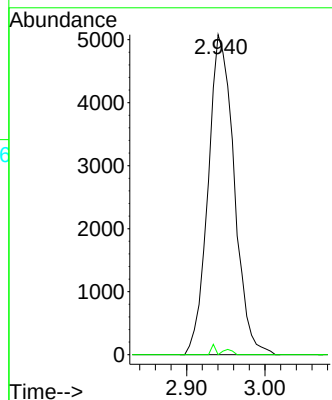


Tgt Ion: 59 Resp: 11729

Ion Ratio Lower Upper

59 100

57 0.7 8.3 12.5#



#16

Acetone

Concen: 0.590 ug/l

RT: 2.385 min Scan# 213

Delta R.T. -0.007 min

Lab File: VX029342.D

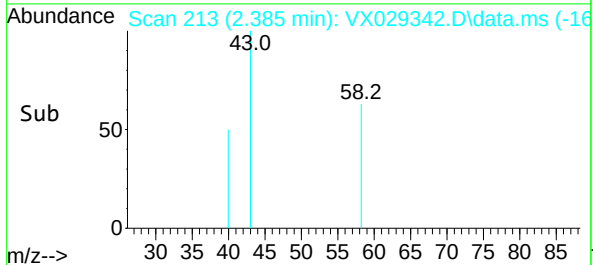
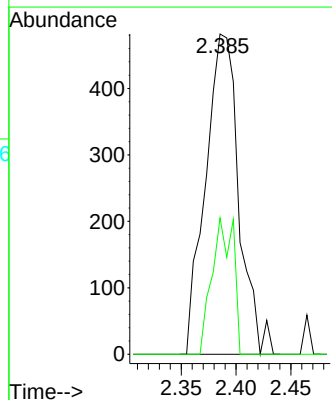
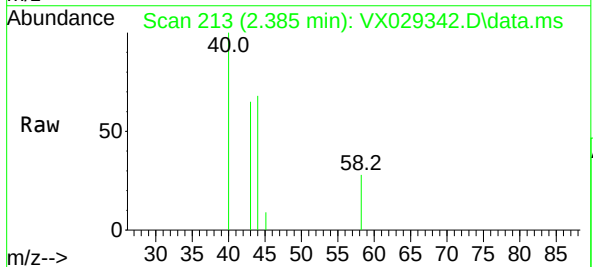
Acq: 09 Jun 2022 13:42

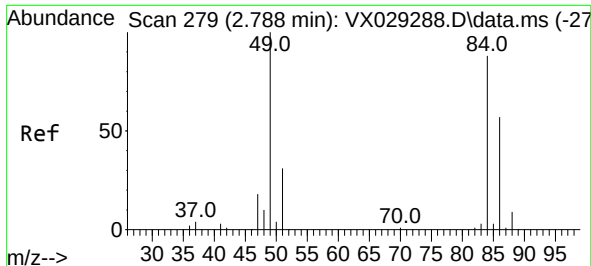
Tgt Ion: 43 Resp: 1022

Ion Ratio Lower Upper

43 100

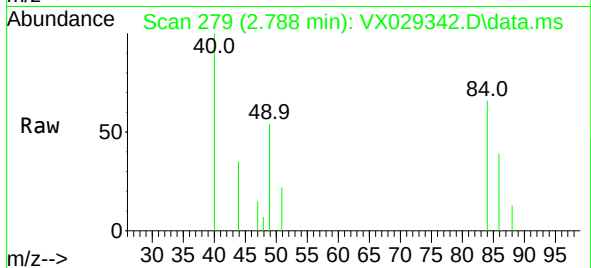
58 42.5 28.8 43.2



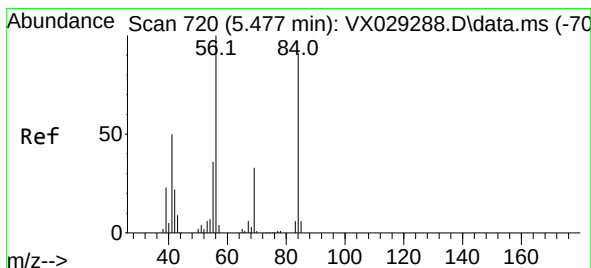
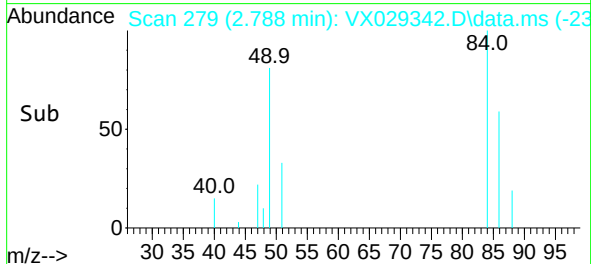
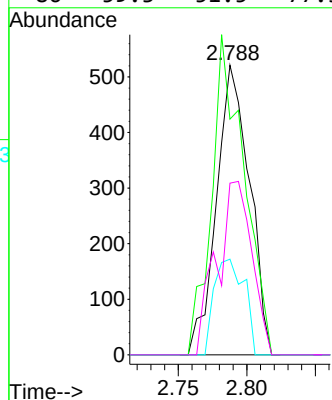


#20  
Methylene Chloride  
Concen: 0.226 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX029342.D  
Acq: 09 Jun 2022 13:42

Instrument :  
MSVOA\_X  
ClientSampleId :

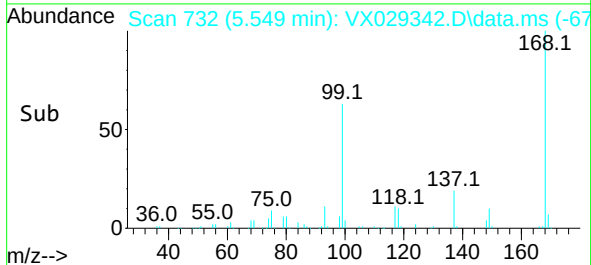
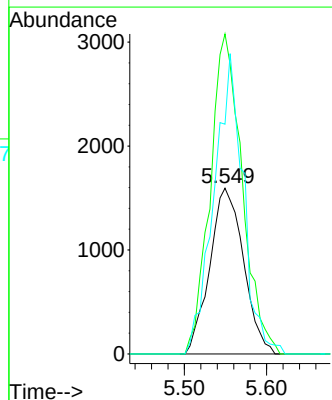
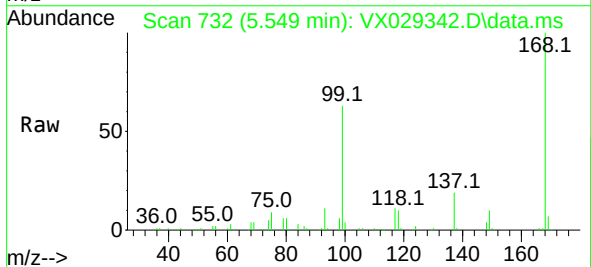


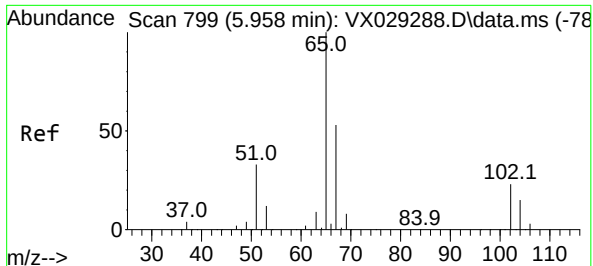
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 873   |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 81.4     | 85.5 128.3# |
| 51 33.0     | 26.6 39.8   |
| 86 59.3     | 51.5 77.3   |



#31  
Cyclohexane  
Concen: 0.785 ug/l  
RT: 5.549 min Scan# 732  
Delta R.T. 0.073 min  
Lab File: VX029342.D  
Acq: 09 Jun 2022 13:42

|             |             |
|-------------|-------------|
| Tgt Ion: 56 | Resp: 4553  |
| Ion Ratio   | Lower Upper |
| 56 100      |             |
| 69 193.0    | 26.7 40.1#  |
| 84 138.6    | 77.2 115.8# |





#33

1,2-Dichloroethane-d4

Concen: 57.681 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX029342.D

Acq: 09 Jun 2022 13:42

Instrument :

MSVOA\_X

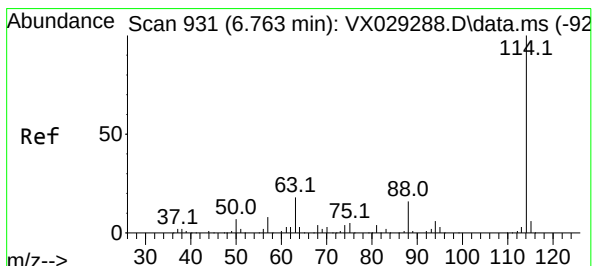
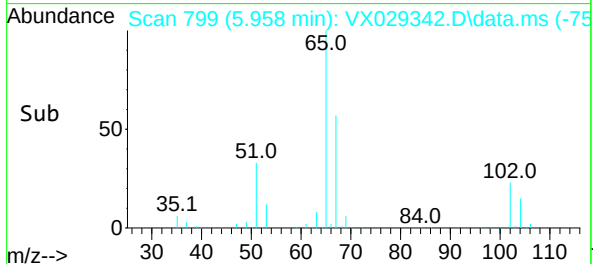
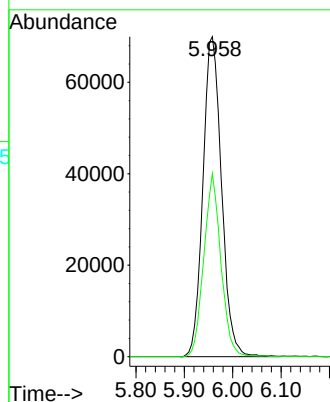
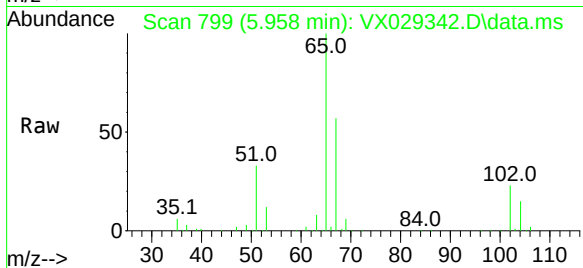
ClientSampleId :

Tgt Ion: 65 Resp: 187004

Ion Ratio Lower Upper

65 100

67 52.6 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: VX029342.D

Acq: 09 Jun 2022 13:42

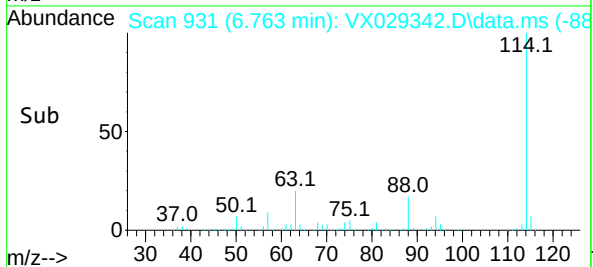
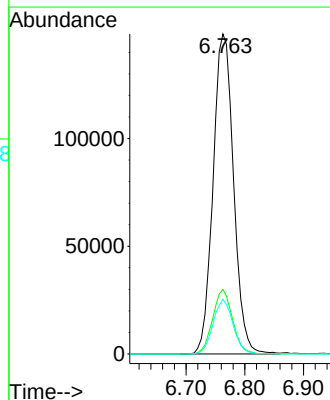
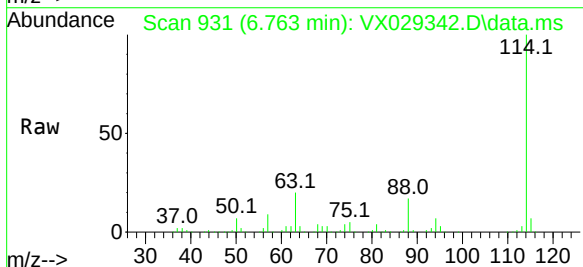
Tgt Ion: 114 Resp: 360054

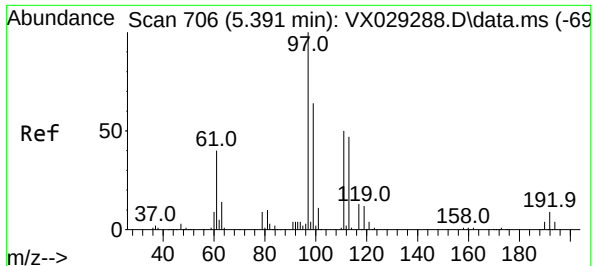
Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.8

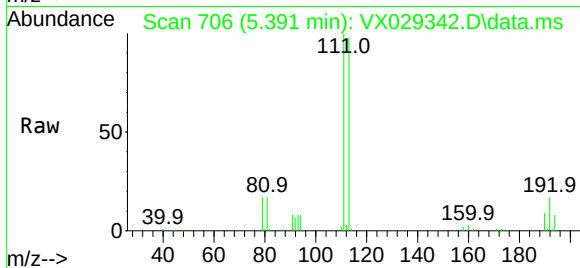
88 17.1 0.0 32.4



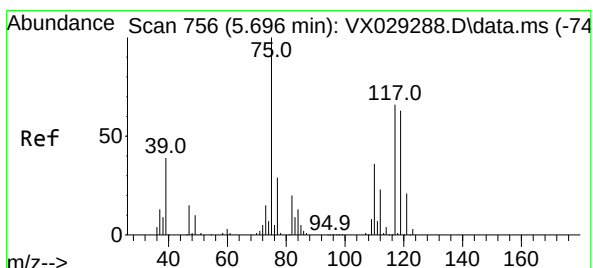
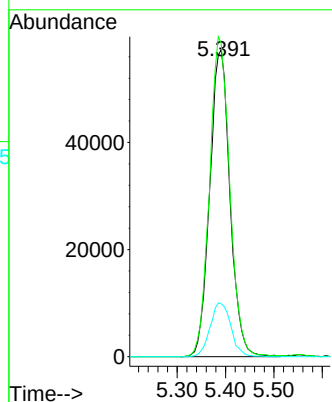
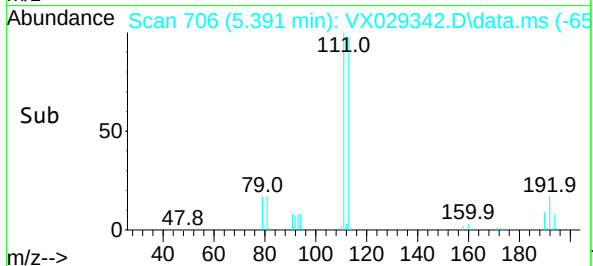


#35  
Dibromofluoromethane  
Concen: 54.345 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. -0.000 min  
Lab File: VX029342.D  
Acq: 09 Jun 2022 13:42

Instrument :  
MSVOA\_X  
ClientSampleId :

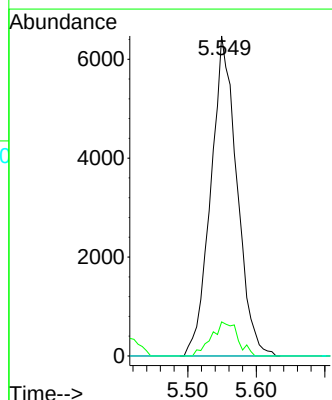
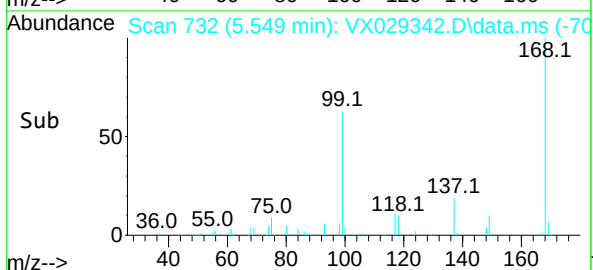
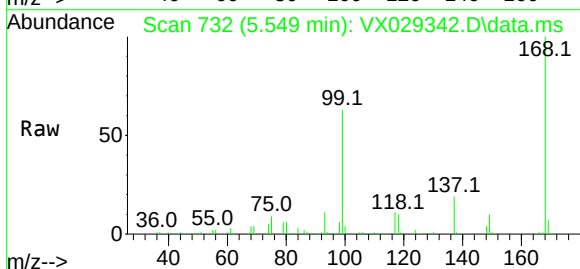


Tgt Ion:113 Resp: 166349  
Ion Ratio Lower Upper  
113 100  
111 104.5 82.8 124.2  
192 18.0 16.9 25.3

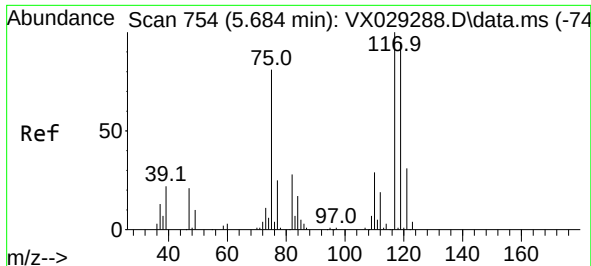


#36  
1,1-Dichloropropene  
Concen: 3.390 ug/l  
RT: 5.549 min Scan# 732  
Delta R.T. -0.147 min  
Lab File: VX029342.D  
Acq: 09 Jun 2022 13:42

Tgt Ion: 75 Resp: 17140  
Ion Ratio Lower Upper  
75 100  
110 10.7 18.3 54.8#  
77 0.0 24.8 37.2#

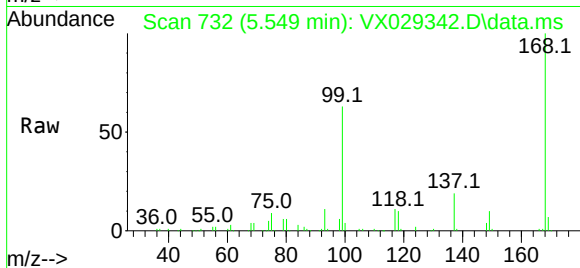




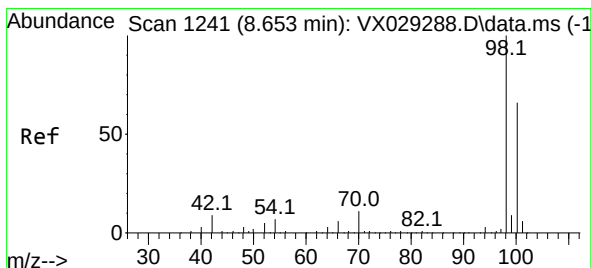
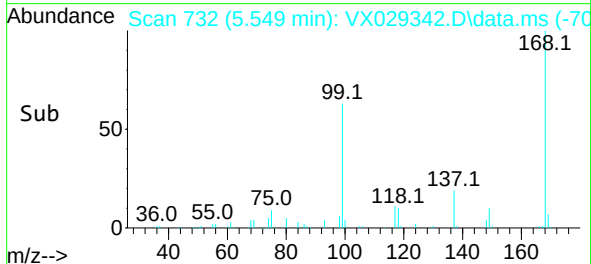
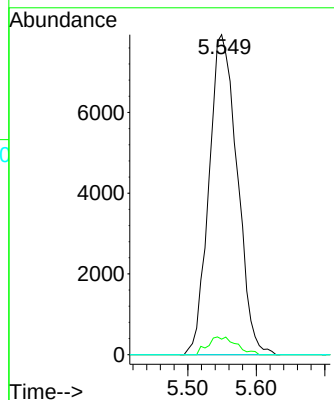


#38  
Carbon Tetrachloride  
Concen: 4.392 ug/l  
RT: 5.549 min Scan# 71  
Delta R.T. -0.135 min  
Lab File: VX029342.D  
Acq: 09 Jun 2022 13:42

Instrument :  
MSVOA\_X  
ClientSampleId :

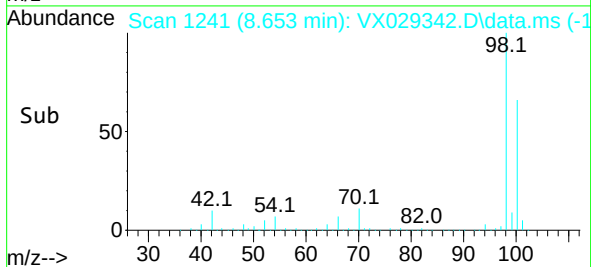
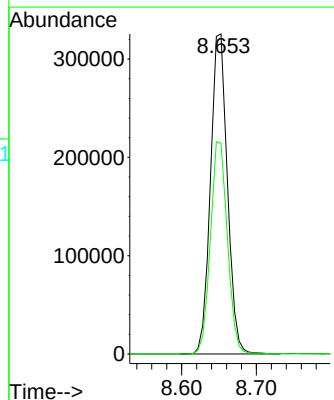
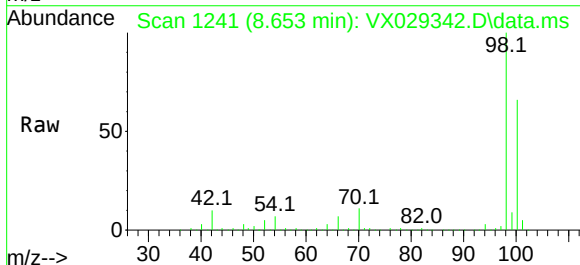


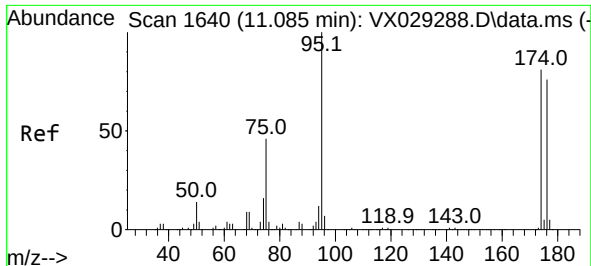
Tgt Ion:117 Resp: 22698  
Ion Ratio Lower Upper  
117 100  
119 4.9 77.3 115.9#  
121 0.0 24.2 36.2#



#50  
Toluene-d8  
Concen: 47.264 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX029342.D  
Acq: 09 Jun 2022 13:42

Tgt Ion: 98 Resp: 511665  
Ion Ratio Lower Upper  
98 100  
100 66.7 52.6 78.8

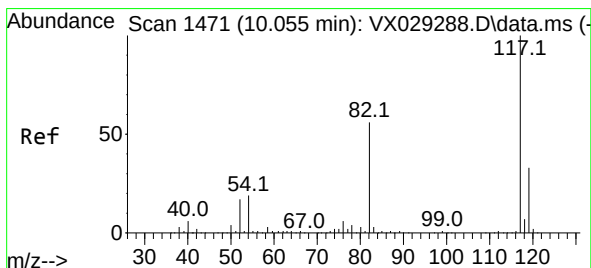
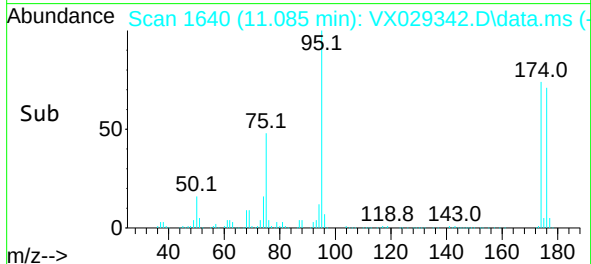
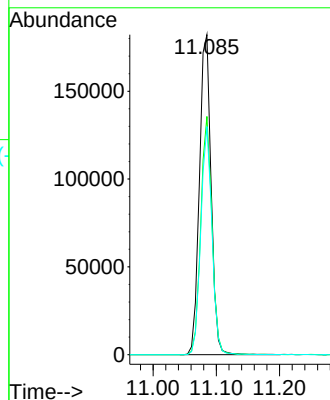
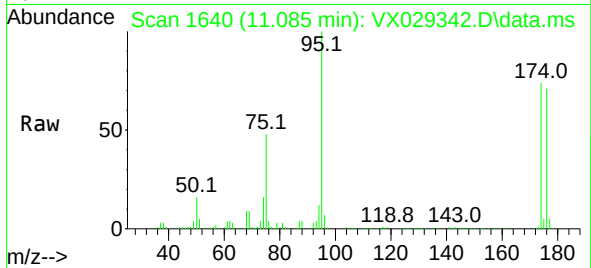




#62  
4-Bromofluorobenzene  
Concen: 55.253 ug/l  
RT: 11.085 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VX029342.D  
Acq: 09 Jun 2022 13:42

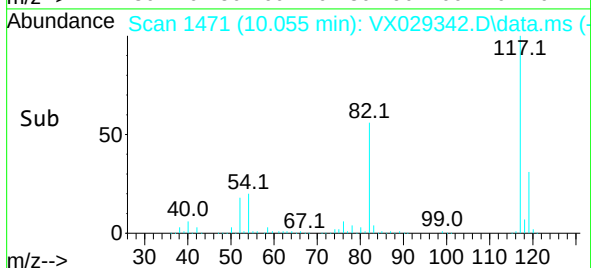
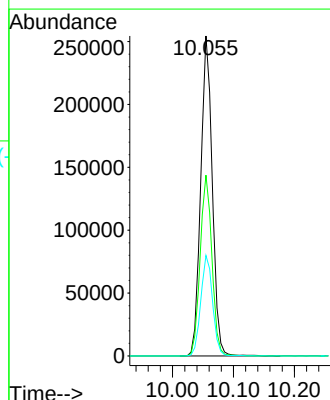
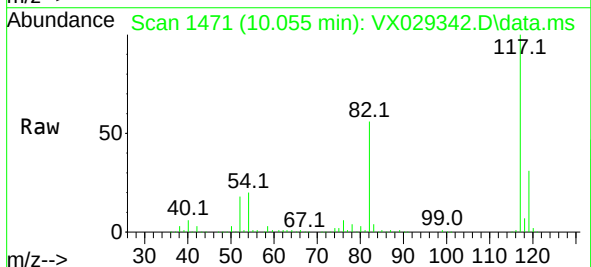
Instrument :  
MSVOA\_X  
ClientSampleId :

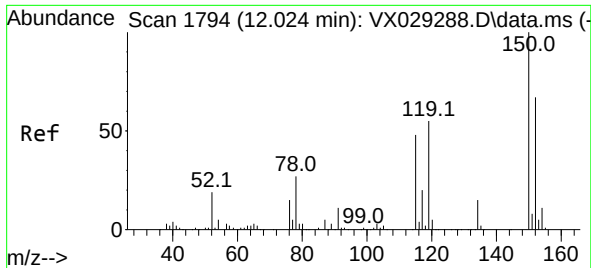
Tgt Ion: 95 Resp: 234081  
Ion Ratio Lower Upper  
95 100  
174 71.7 0.0 163.0  
176 68.3 0.0 155.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX029342.D  
Acq: 09 Jun 2022 13:42

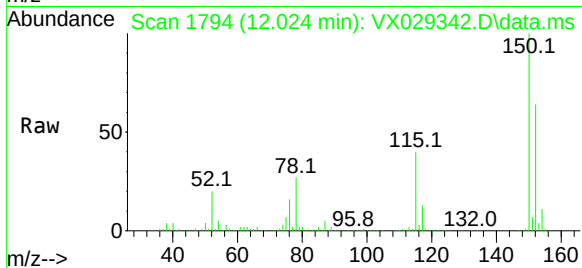
Tgt Ion: 117 Resp: 335834  
Ion Ratio Lower Upper  
117 100  
82 56.5 41.8 62.8  
119 31.4 24.8 37.2



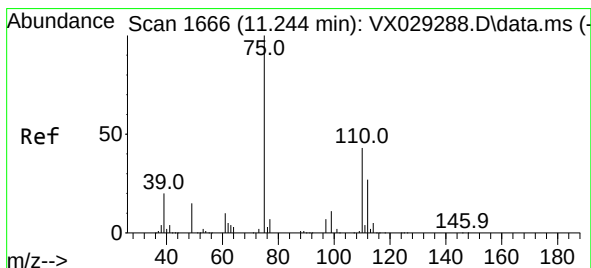
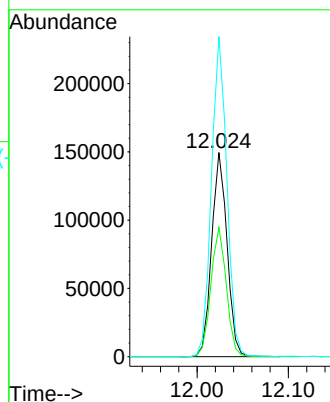
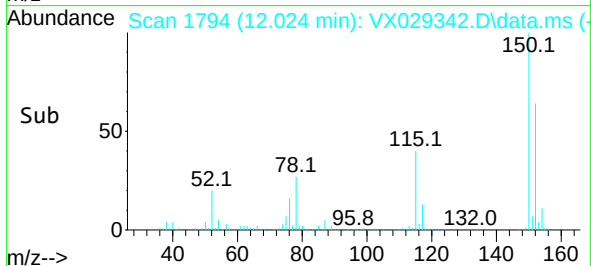


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX029342.D  
 Acq: 09 Jun 2022 13:42

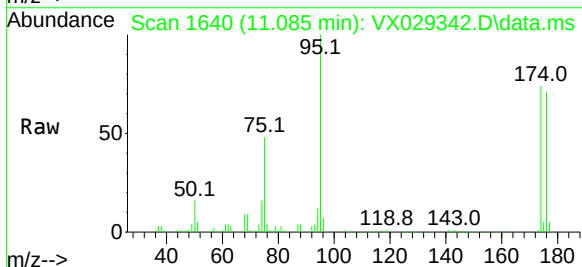
Instrument :  
 MSVOA\_X  
 ClientSampleId :



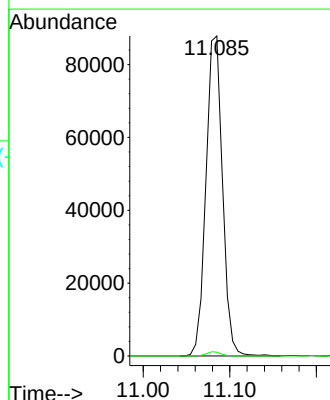
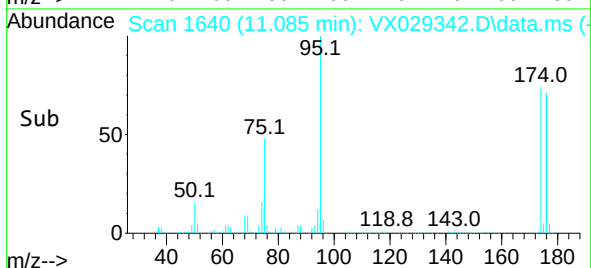
Tgt Ion:152 Resp: 174826  
 Ion Ratio Lower Upper  
 152 100  
 115 63.4 37.5 112.7  
 150 156.8 0.0 338.2

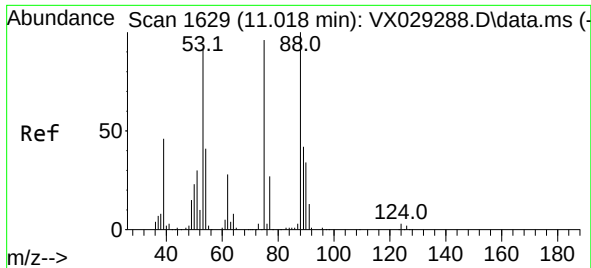


#76  
 1,2,3-Trichloropropane  
 Concen: 28.520 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. -0.159 min  
 Lab File: VX029342.D  
 Acq: 09 Jun 2022 13:42



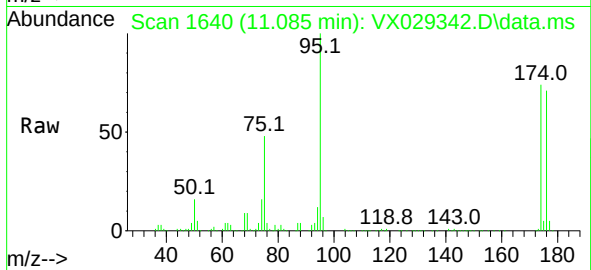
Tgt Ion: 75 Resp: 116460  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 19.4 58.2#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 86.990 ug/l  
 RT: 11.085 min Scan# 11  
 Delta R.T. 0.067 min  
 Lab File: VX029342.D  
 Acq: 09 Jun 2022 13:42

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 116460  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 69.0 103.4#  
 89 0.0 37.0 55.6#

