

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022322\  
 Data File : VX027152.D  
 Acq On : 23 Feb 2022 17:46  
 Operator : JC/MD  
 Sample : N1648-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OF-1

Quant Time: Feb 24 03:32:39 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022322W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 23 13:06:57 2022  
 Response via : Initial Calibration

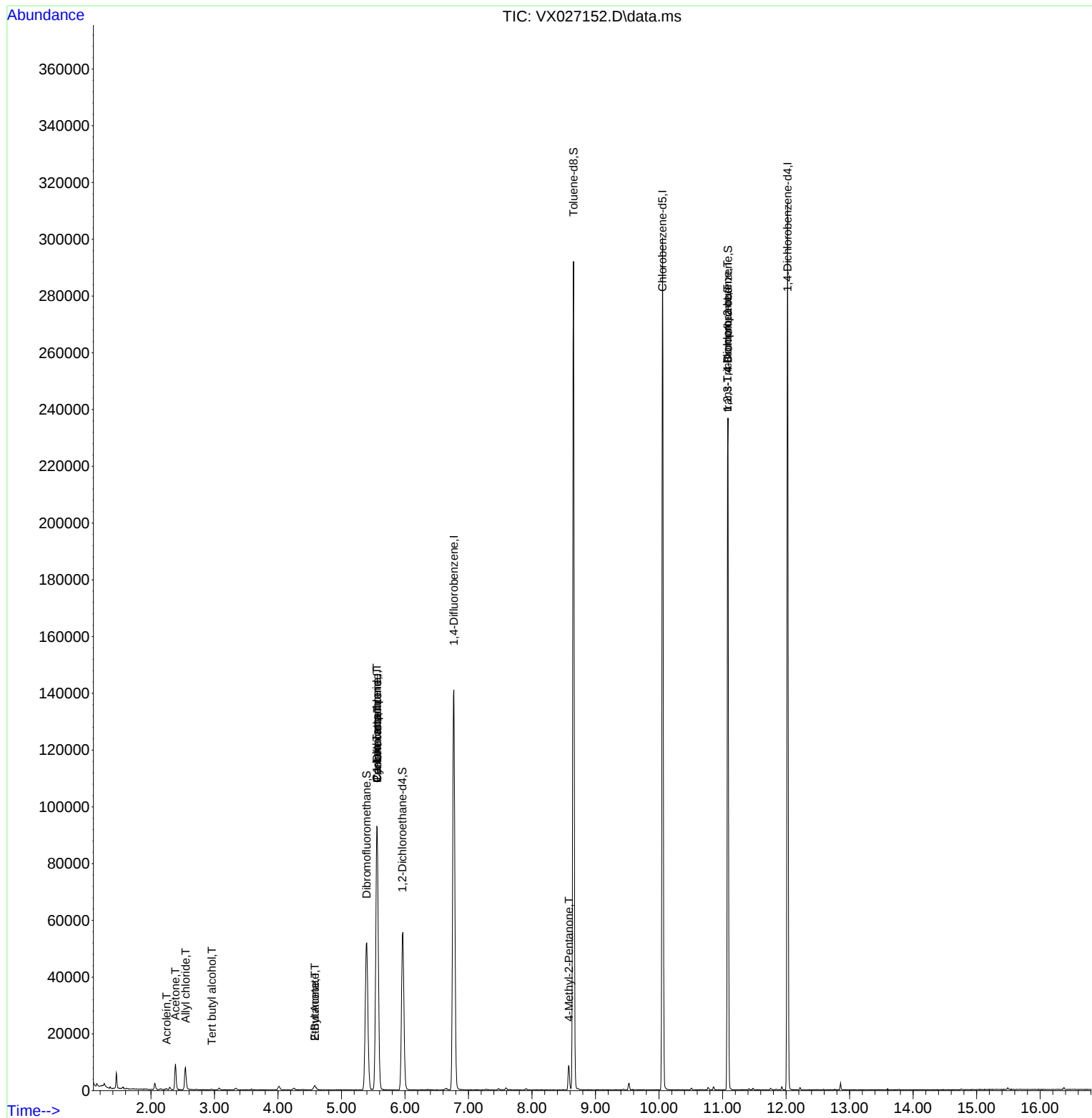
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.562  | 168   | 90640    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114   | 151104   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 137459   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 64700    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 54121    | 49.716    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 99.440%  |
| 35) Dibromofluoromethane      | 5.397  | 113   | 46484    | 49.560    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 99.120%  |
| 50) Toluene-d8                | 8.652  | 98    | 173855   | 49.573    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 99.140%  |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 66002    | 49.029    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 98.060%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 1.617  | 94    | 123      | Below Cal |        | 87       |
| 11) Tert butyl alcohol        | 2.958  | 59    | 233      | 1.100     | ug/l # | 75       |
| 13) Acrolein                  | 2.245  | 56    | 289      | 1.476     | ug/l   | 97       |
| 14) Allyl chloride            | 2.544  | 41    | 727      | 0.468     | ug/l # | 57       |
| 16) Acetone                   | 2.385  | 43    | 9321     | 19.502    | ug/l   | 94       |
| 25) 2-Butanone                | 4.580  | 43    | 2793     | 3.669     | ug/l   | 93       |
| 31) Cyclohexane               | 5.562  | 56    | 1637     | 1.004     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.555  | 75    | 6516     | 4.760     | ug/l # | 51       |
| 37) Ethyl Acetate             | 4.580  | 43    | 2793     | 1.858     | ug/l # | 69       |
| 38) Carbon Tetrachloride      | 5.555  | 117   | 9160     | 6.416     | ug/l # | 17       |
| 51) 4-Methyl-2-Pentanone      | 8.579  | 43    | 5707     | 3.798     | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 31749    | 24.362    | ug/l # | 40       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 31749    | 69.125    | ug/l # | 3        |
| -----                         |        |       |          |           |        |          |

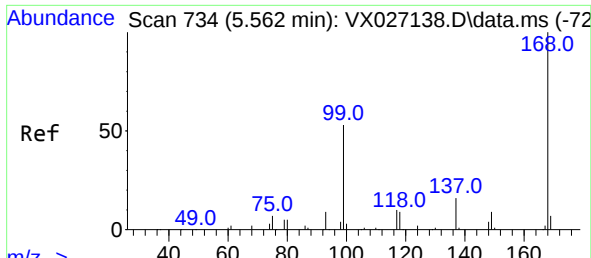
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
OF-1

Quant Time: Feb 24 03:32:39 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022322W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 23 13:06:57 2022  
Response via : Initial Calibration

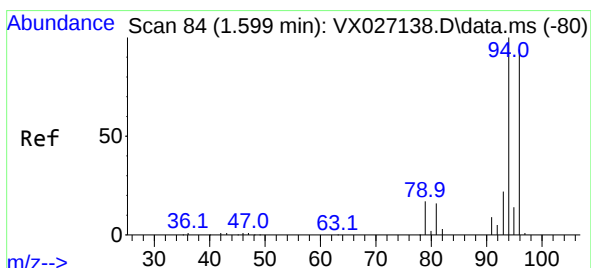
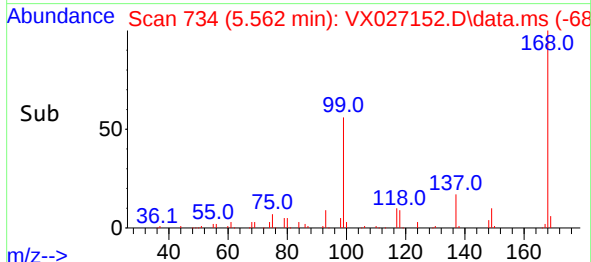
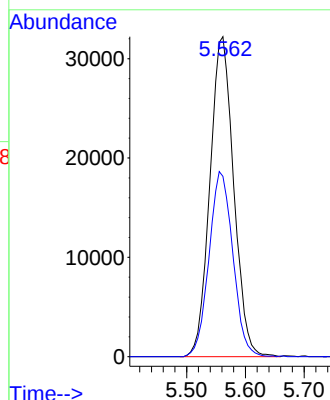
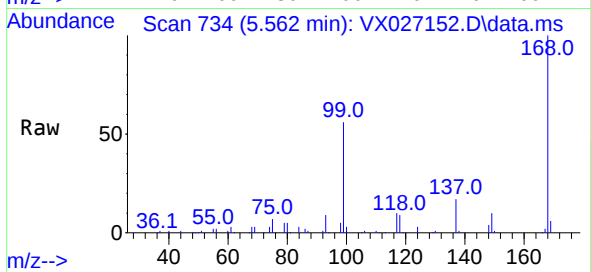




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX027152.D  
Acq: 23 Feb 2022 17:46

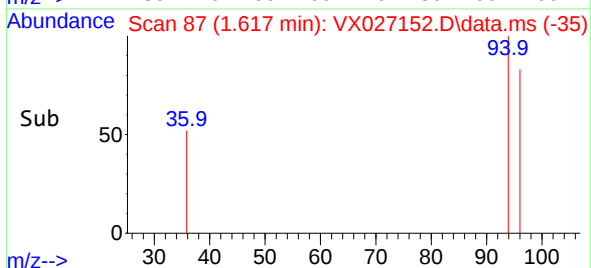
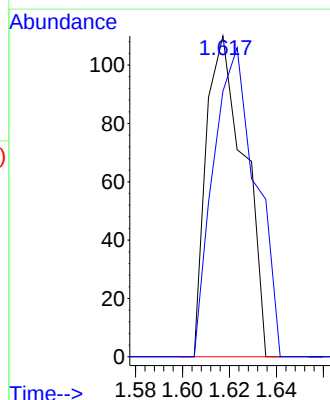
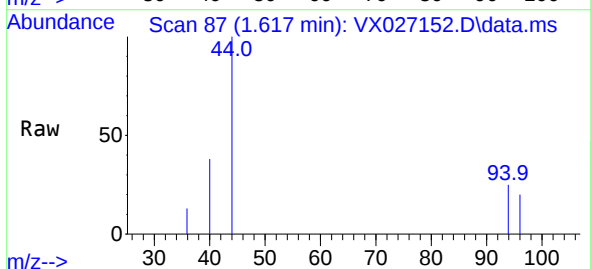
Instrument :  
MSVOA\_X  
ClientSampleId :  
OF-1

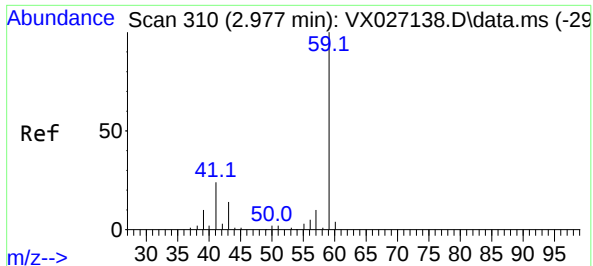
Tgt Ion:168 Resp: 90640  
Ion Ratio Lower Upper  
168 100  
99 56.3 50.3 75.5



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.617 min Scan# 87  
Delta R.T. 0.018 min  
Lab File: VX027152.D  
Acq: 23 Feb 2022 17:46

Tgt Ion: 94 Resp: 123  
Ion Ratio Lower Upper  
94 100  
96 82.7 75.9 113.9





#11

Tert butyl alcohol

Concen: 1.100 ug/l

RT: 2.958 min Scan# 30

Delta R.T. -0.019 min

Lab File: VX027152.D

Acq: 23 Feb 2022 17:46

Instrument :

MSVOA\_X

ClientSampleId :

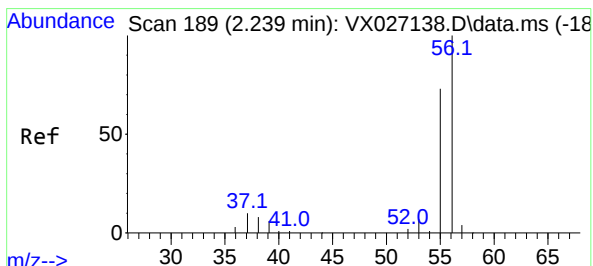
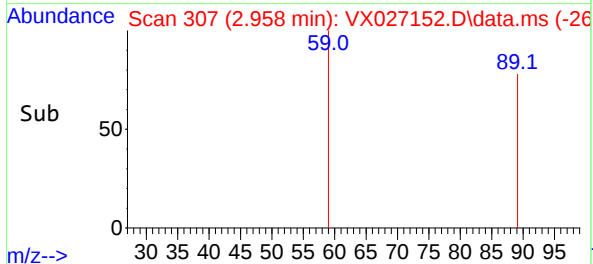
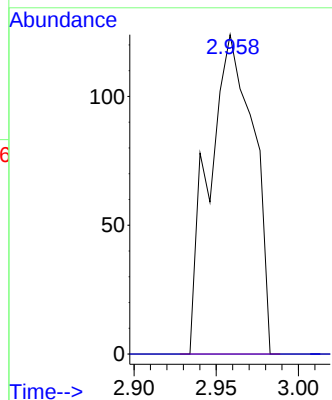
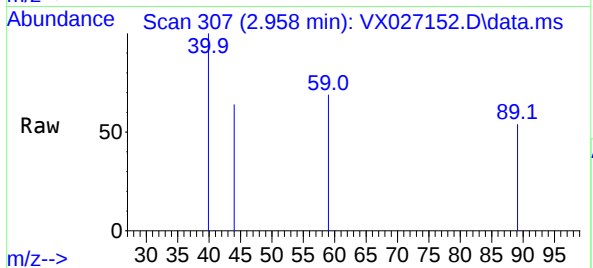
OF-1

Tgt Ion: 59 Resp: 233

Ion Ratio Lower Upper

59 100

57 0.0 7.2 10.8#



#13

Acrolein

Concen: 1.476 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX027152.D

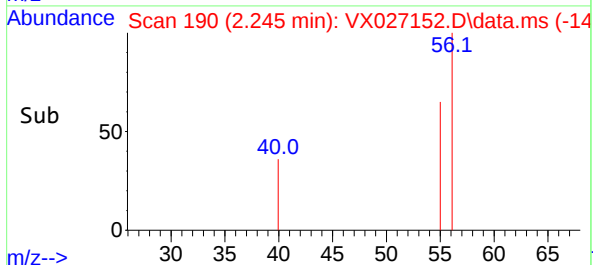
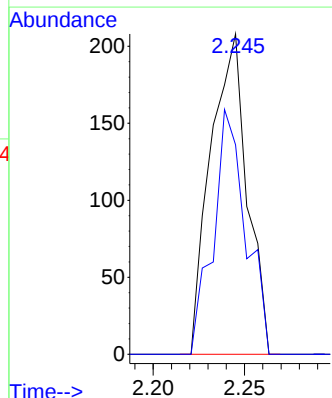
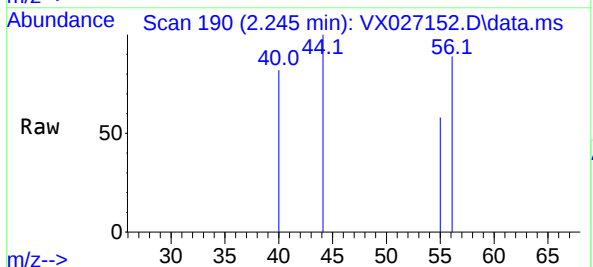
Acq: 23 Feb 2022 17:46

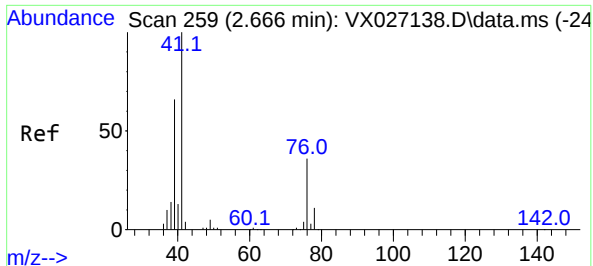
Tgt Ion: 56 Resp: 289

Ion Ratio Lower Upper

56 100

55 68.5 56.9 85.3





#14

Allyl chloride

Concen: 0.468 ug/l

RT: 2.544 min Scan# 21

Delta R.T. -0.122 min

Lab File: VX027152.D

Acq: 23 Feb 2022 17:46

Instrument :

MSVOA\_X

ClientSampleId :

OF-1

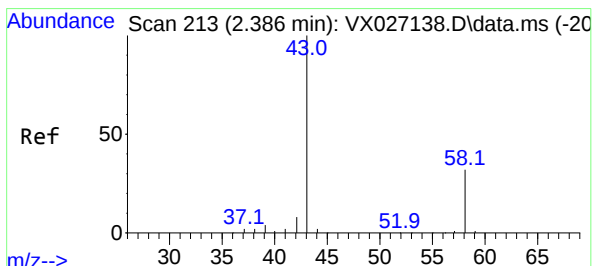
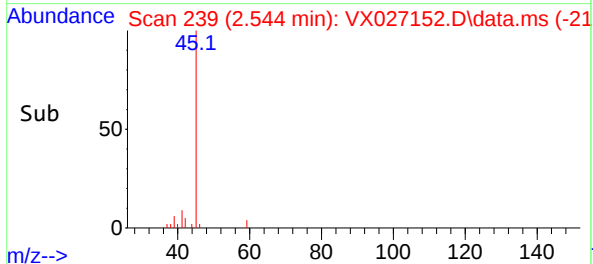
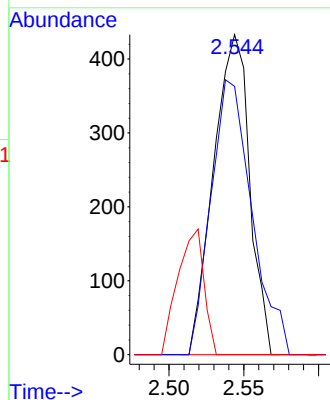
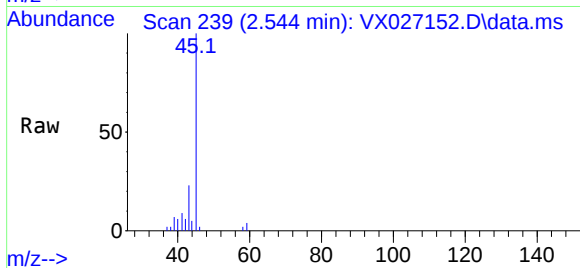
Tgt Ion: 41 Resp: 727

Ion Ratio Lower Upper

41 100

39 97.2 54.2 81.4#

76 0.0 25.2 37.8#



#16

Acetone

Concen: 19.502 ug/l

RT: 2.385 min Scan# 213

Delta R.T. -0.001 min

Lab File: VX027152.D

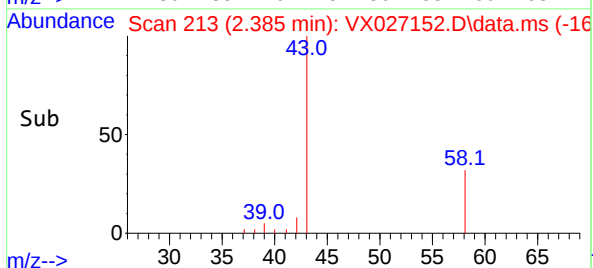
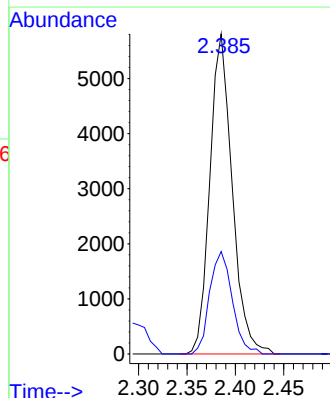
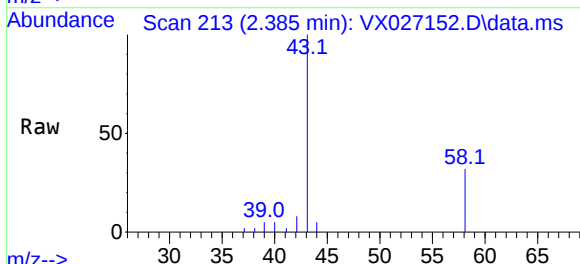
Acq: 23 Feb 2022 17:46

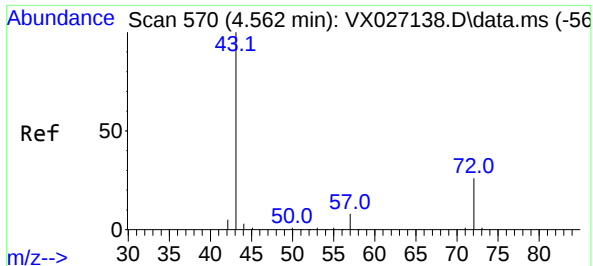
Tgt Ion: 43 Resp: 9321

Ion Ratio Lower Upper

43 100

58 32.0 23.0 34.6





#25

2-Butanone

Concen: 3.669 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX027152.D

Acq: 23 Feb 2022 17:46

Instrument :

MSVOA\_X

ClientSampleId :

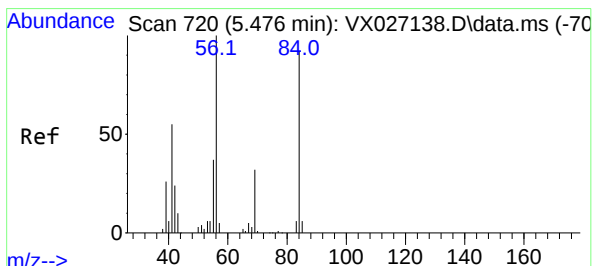
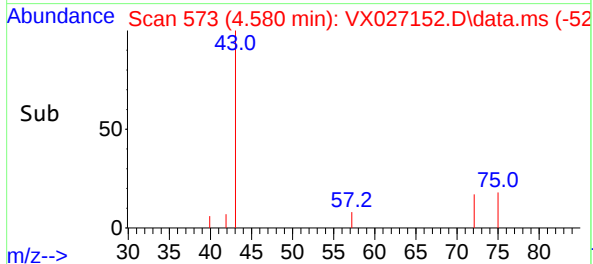
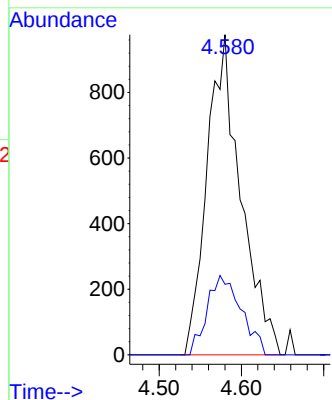
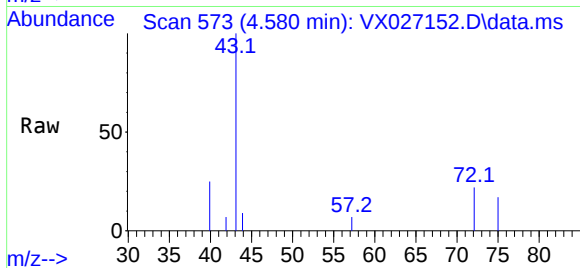
OF-1

Tgt Ion: 43 Resp: 2793

Ion Ratio Lower Upper

43 100

72 22.0 20.4 30.6



#31

Cyclohexane

Concen: 1.004 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.086 min

Lab File: VX027152.D

Acq: 23 Feb 2022 17:46

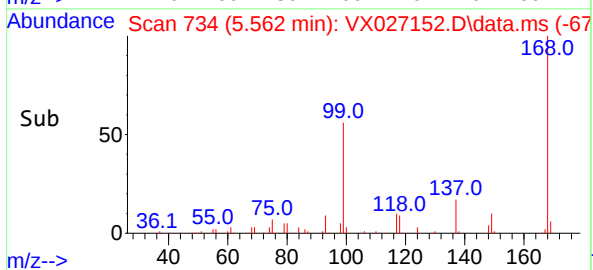
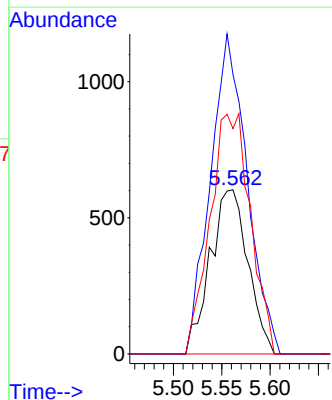
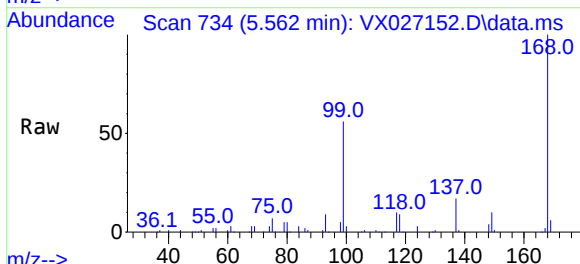
Tgt Ion: 56 Resp: 1637

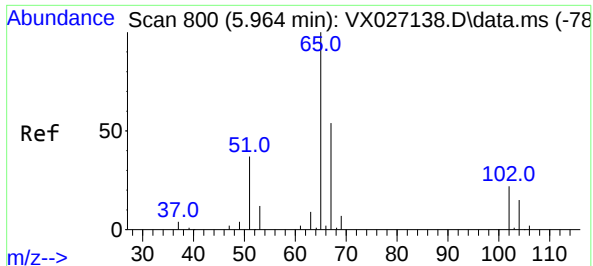
Ion Ratio Lower Upper

56 100

69 170.1 25.8 38.6#

84 137.1 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 49.716 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX027152.D

Acq: 23 Feb 2022 17:46

Instrument :

MSVOA\_X

ClientSampleId :

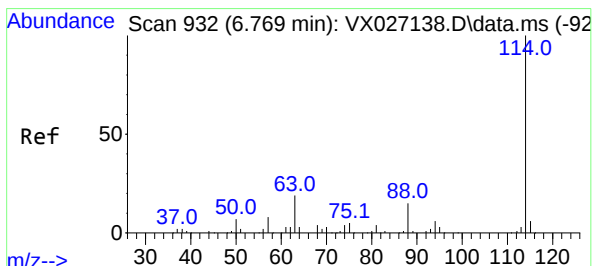
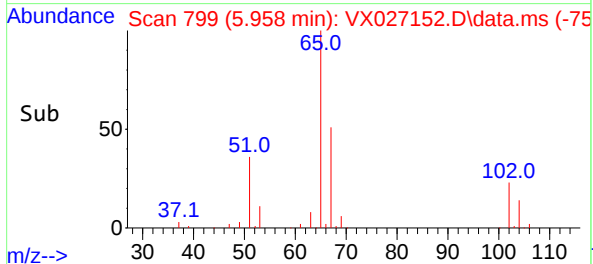
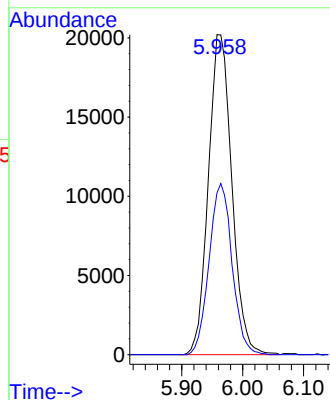
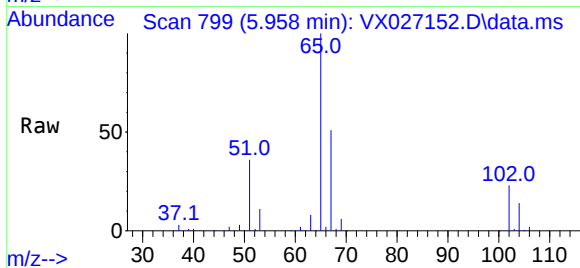
OF-1

Tgt Ion: 65 Resp: 54121

Ion Ratio Lower Upper

65 100

67 52.4 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX027152.D

Acq: 23 Feb 2022 17:46

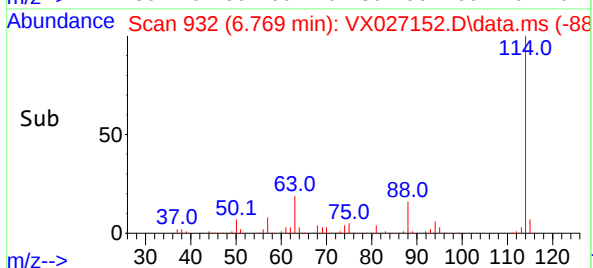
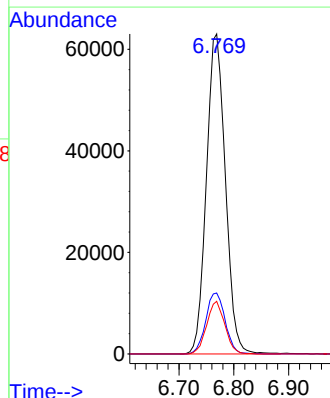
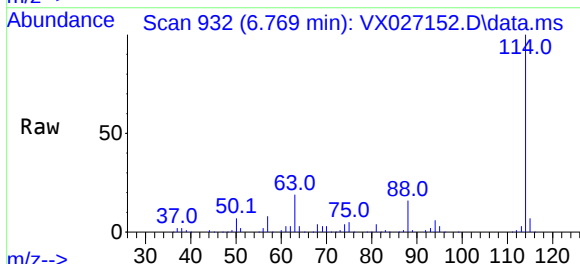
Tgt Ion: 114 Resp: 151104

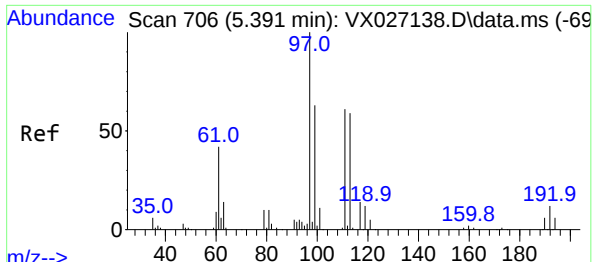
Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.8

88 16.4 0.0 33.0

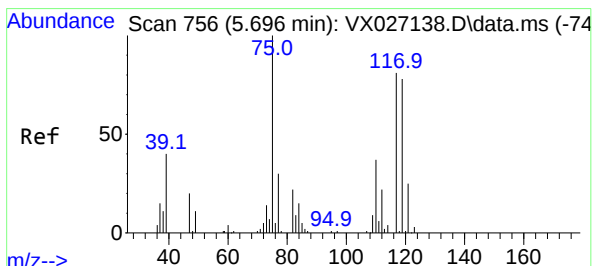
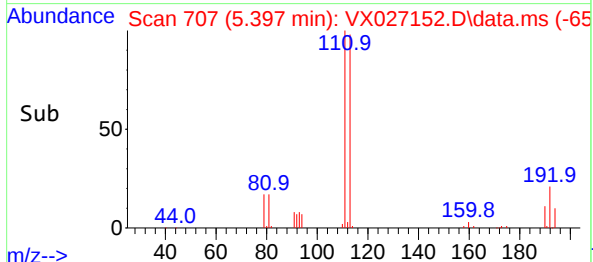
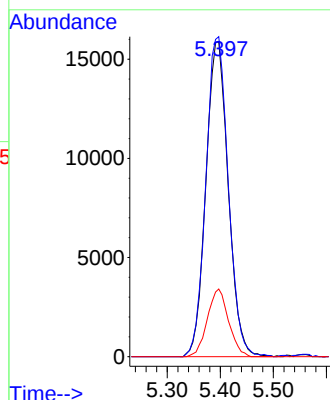
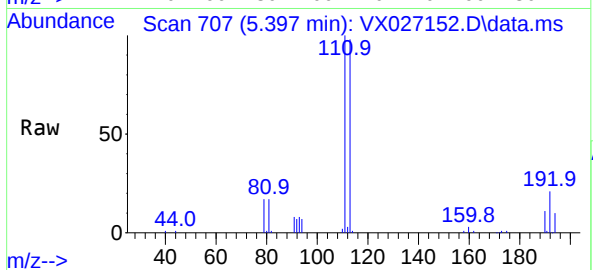




#35  
Dibromofluoromethane  
Concen: 49.560 ug/l  
RT: 5.397 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX027152.D  
Acq: 23 Feb 2022 17:46

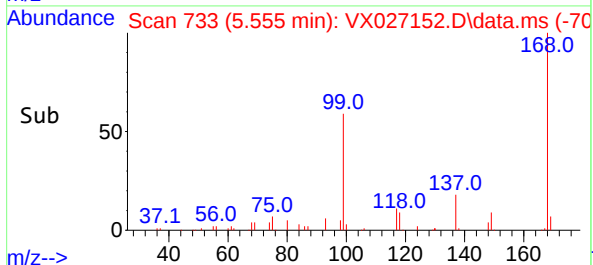
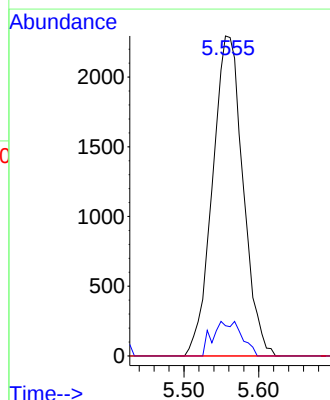
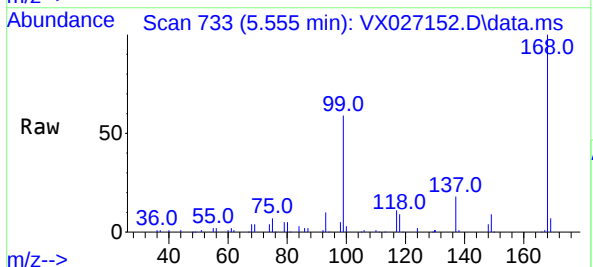
Instrument :  
MSVOA\_X  
ClientSampleId :  
OF-1

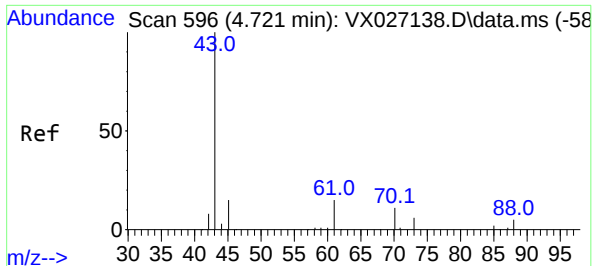
Tgt Ion:113 Resp: 46484  
Ion Ratio Lower Upper  
113 100  
111 102.1 81.2 121.8  
192 20.4 15.0 22.4



#36  
1,1-Dichloropropene  
Concen: 4.760 ug/l  
RT: 5.555 min Scan# 733  
Delta R.T. -0.141 min  
Lab File: VX027152.D  
Acq: 23 Feb 2022 17:46

Tgt Ion: 75 Resp: 6516  
Ion Ratio Lower Upper  
75 100  
110 10.2 17.2 51.6#  
77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 1.858 ug/l

RT: 4.580 min Scan# 51

Delta R.T. -0.141 min

Lab File: VX027152.D

Acq: 23 Feb 2022 17:46

Instrument :

MSVOA\_X

ClientSampleId :

OF-1

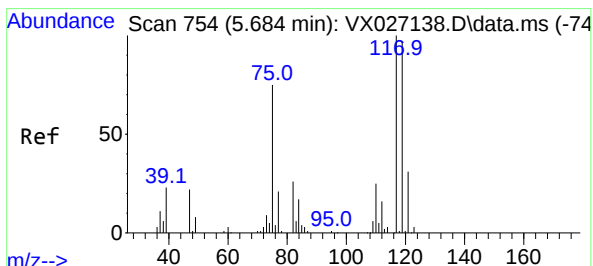
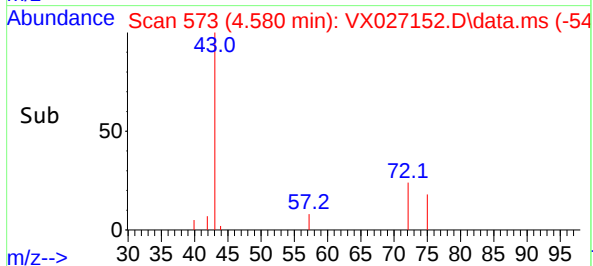
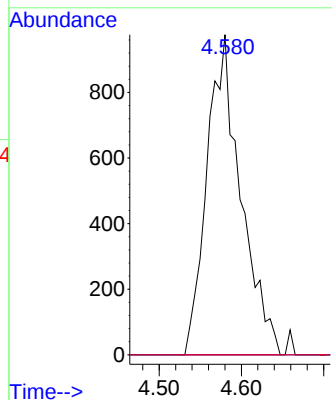
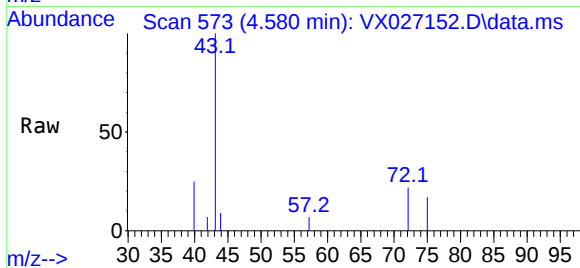
Tgt Ion: 43 Resp: 2793

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.5 12.7#



#38

Carbon Tetrachloride

Concen: 6.416 ug/l

RT: 5.555 min Scan# 733

Delta R.T. -0.129 min

Lab File: VX027152.D

Acq: 23 Feb 2022 17:46

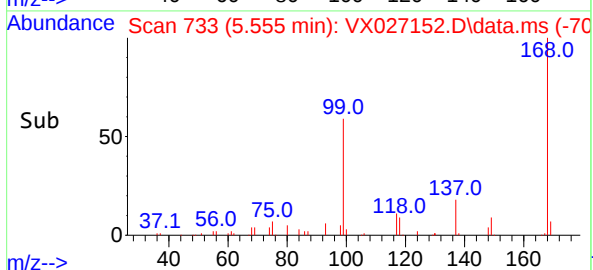
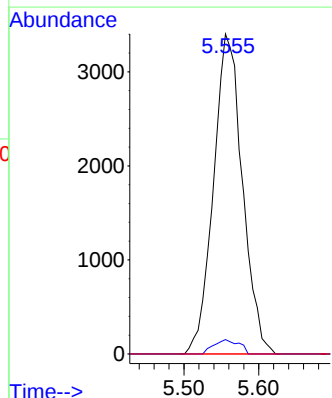
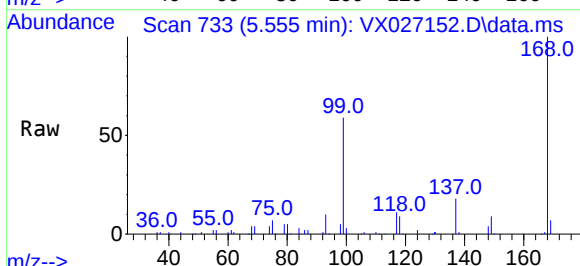
Tgt Ion: 117 Resp: 9160

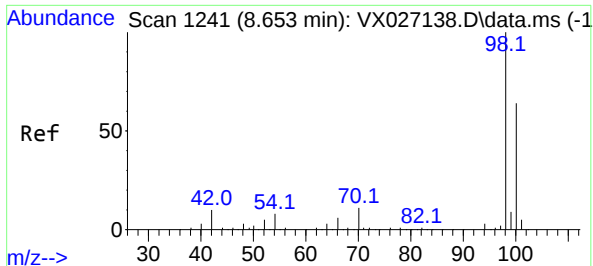
Ion Ratio Lower Upper

117 100

119 4.5 74.7 112.1#

121 0.0 25.4 38.0#





#50

Toluene-d8

Concen: 49.573 ug/l

RT: 8.652 min Scan# 1241

Delta R.T. -0.001 min

Lab File: VX027152.D

Acq: 23 Feb 2022 17:46

Instrument :

MSVOA\_X

ClientSampleId :

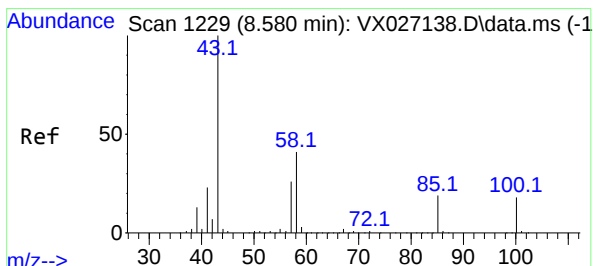
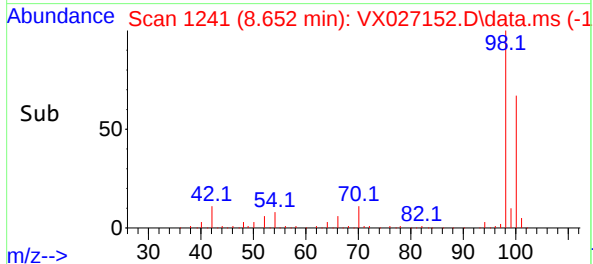
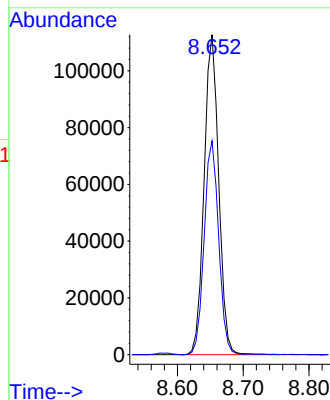
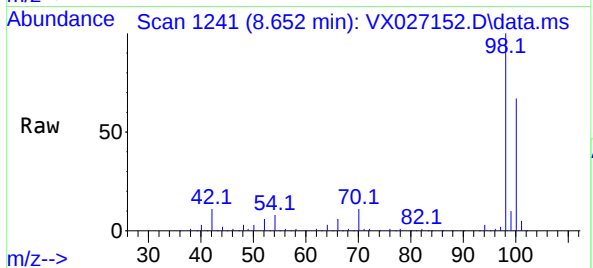
OF-1

Tgt Ion: 98 Resp: 173855

Ion Ratio Lower Upper

98 100

100 66.6 53.2 79.8



#51

4-Methyl-2-Pentanone

Concen: 3.798 ug/l

RT: 8.579 min Scan# 1229

Delta R.T. -0.001 min

Lab File: VX027152.D

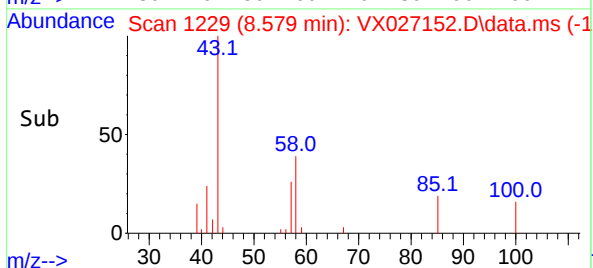
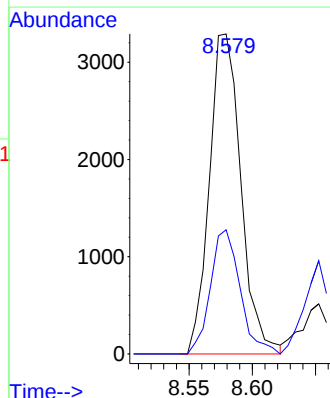
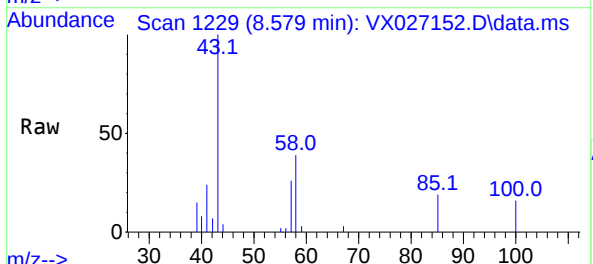
Acq: 23 Feb 2022 17:46

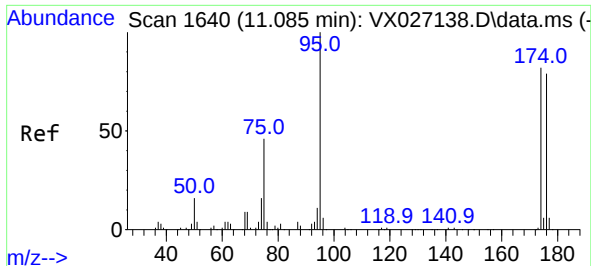
Tgt Ion: 43 Resp: 5707

Ion Ratio Lower Upper

43 100

58 36.4 30.5 45.7

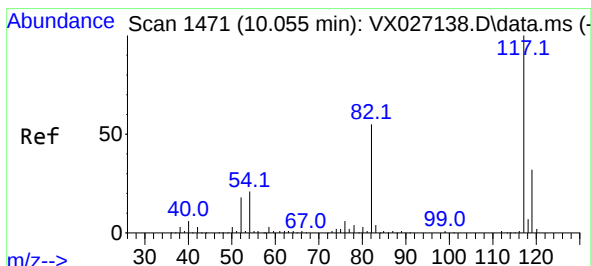
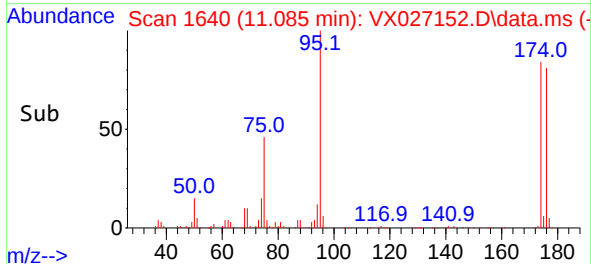
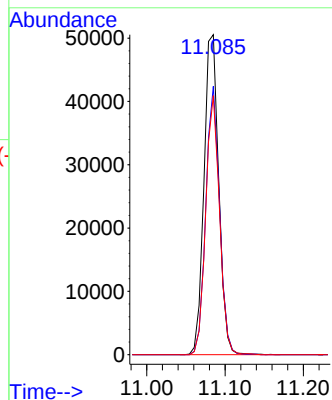
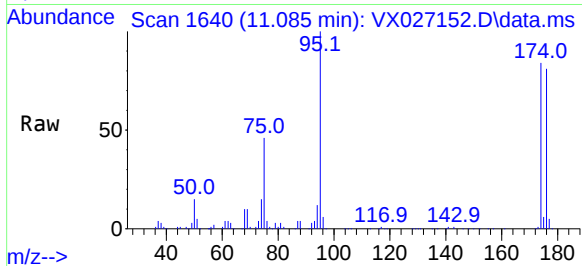




#62  
4-Bromofluorobenzene  
Concen: 49.029 ug/l  
RT: 11.085 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX027152.D  
Acq: 23 Feb 2022 17:46

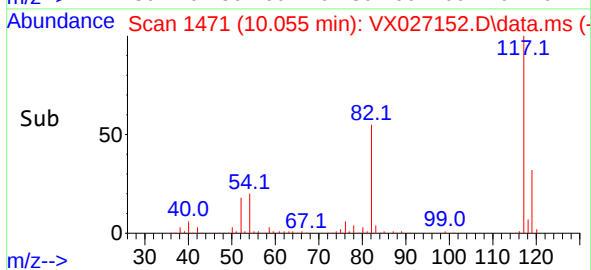
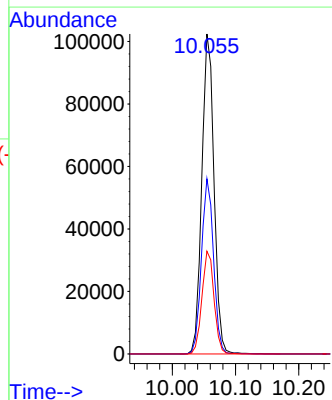
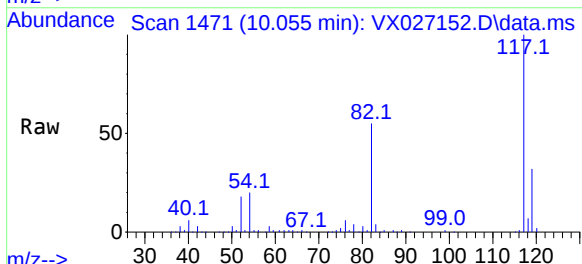
Instrument :  
MSVOA\_X  
ClientSampleId :  
OF-1

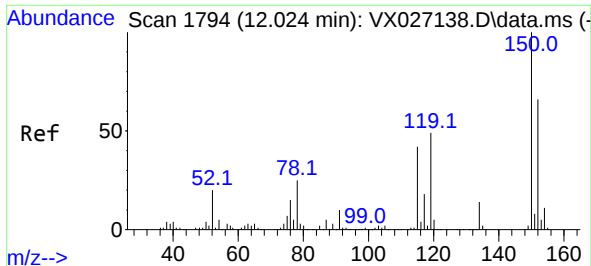
Tgt Ion: 95 Resp: 66002  
Ion Ratio Lower Upper  
95 100  
174 78.0 0.0 148.6  
176 75.9 0.0 141.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX027152.D  
Acq: 23 Feb 2022 17:46

Tgt Ion: 117 Resp: 137459  
Ion Ratio Lower Upper  
117 100  
82 54.7 45.2 67.8  
119 32.1 26.2 39.2

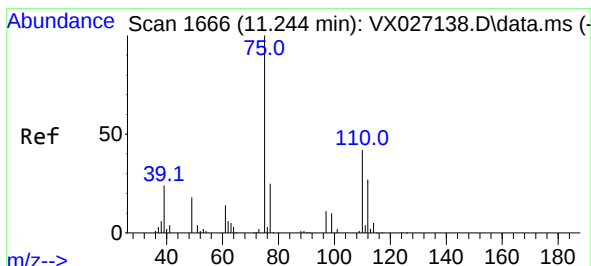
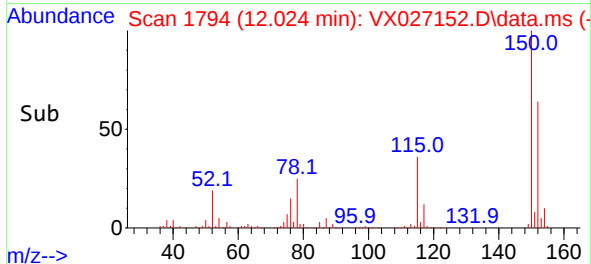
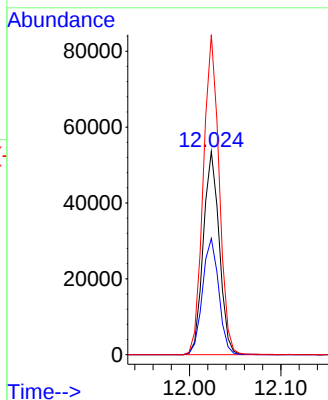
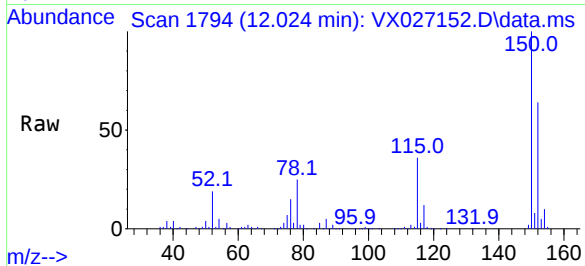




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX027152.D  
Acq: 23 Feb 2022 17:46

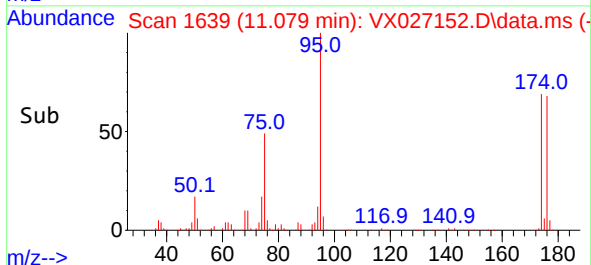
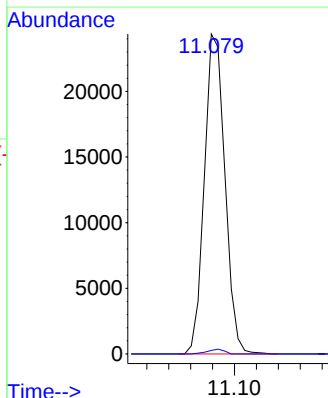
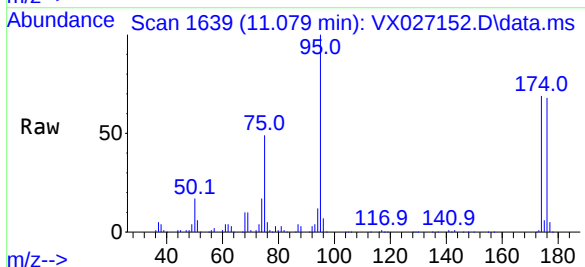
Instrument :  
MSVOA\_X  
ClientSampleId :  
OF-1

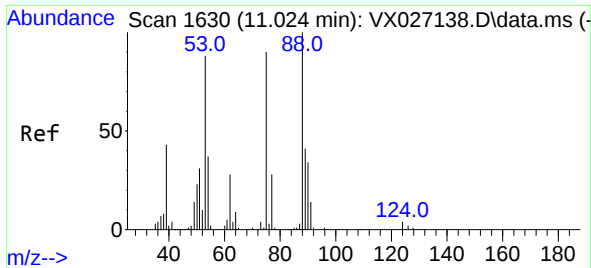
Tgt Ion:152 Resp: 64700  
Ion Ratio Lower Upper  
152 100  
115 58.2 44.2 132.6  
150 156.6 0.0 348.2



#76  
1,2,3-Trichloropropane  
Concen: 24.362 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX027152.D  
Acq: 23 Feb 2022 17:46

Tgt Ion: 75 Resp: 31749  
Ion Ratio Lower Upper  
75 100  
77 1.2 18.3 54.8#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 69.125 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.055 min  
 Lab File: VX027152.D  
 Acq: 23 Feb 2022 17:46

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OF-1

Tgt Ion: 75 Resp: 31749  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 94.0 141.0#  
 89 0.0 37.0 55.4#

