

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022322\  
 Data File : VX027154.D  
 Acq On : 23 Feb 2022 18:33  
 Operator : JC/MD  
 Sample : N1648-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OF-3

Quant Time: Feb 24 03:33:10 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

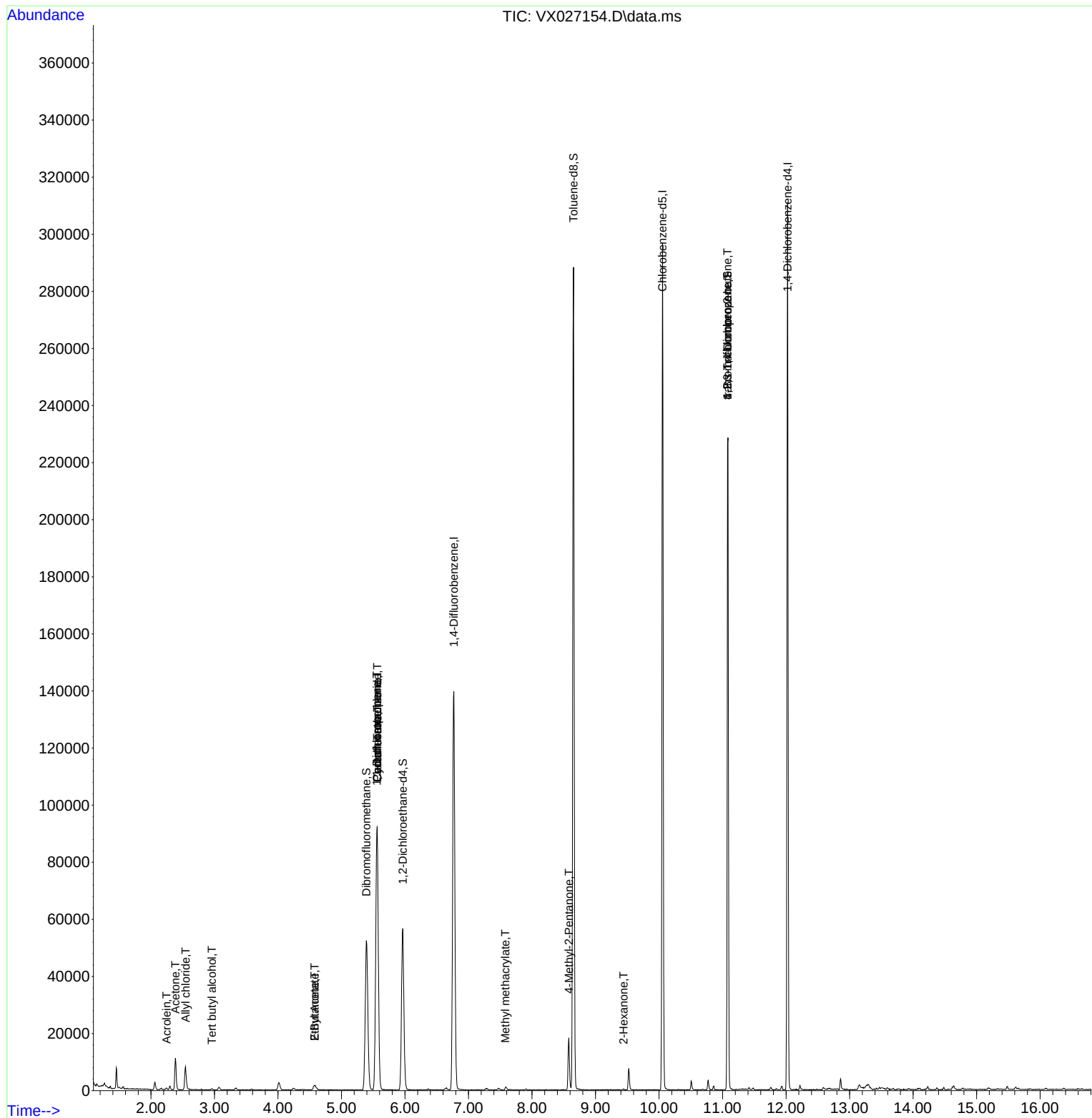
| Compound                      | R.T.   | QIon  | Response | Conc        | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-------------|--------|----------|
| -----                         |        |       |          |             |        |          |
| Internal Standards            |        |       |          |             |        |          |
| 1) Pentafluorobenzene         | 5.562  | 168   | 91075    | 50.000      | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114   | 149756   | 50.000      | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 134053   | 50.000      | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 64423    | 50.000      | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |             |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65    | 53360    | 48.783      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery    | =      | 97.560%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 46424    | 49.942      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery    | =      | 99.880%  |
| 50) Toluene-d8                | 8.653  | 98    | 172478   | 49.623      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery    | =      | 99.240%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 65013    | 48.729      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery    | =      | 97.460%  |
| Target Compounds              |        |       |          |             |        |          |
|                               |        |       |          |             | Qvalue |          |
| 5) Bromomethane               | 1.630  | 94    | 85       | Below Cal   |        | 97       |
| 11) Tert butyl alcohol        | 2.959  | 59    | 245      | 1.151 ug/l  | #      | 75       |
| 13) Acrolein                  | 2.245  | 56    | 410      | 2.084 ug/l  |        | 95       |
| 14) Allyl chloride            | 2.544  | 41    | 823      | 0.527 ug/l  | #      | 75       |
| 16) Acetone                   | 2.386  | 43    | 11465    | 23.873 ug/l |        | 91       |
| 25) 2-Butanone                | 4.574  | 43    | 3260     | 4.262 ug/l  |        | 100      |
| 31) Cyclohexane               | 5.562  | 56    | 1665     | 1.016 ug/l  | #      | 1        |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 6601     | 4.866 ug/l  | #      | 50       |
| 37) Ethyl Acetate             | 4.574  | 43    | 3260     | 2.189 ug/l  | #      | 69       |
| 38) Carbon Tetrachloride      | 5.562  | 117   | 9045     | 6.393 ug/l  | #      | 17       |
| 48) Methyl methacrylate       | 7.580  | 41    | 280      | 0.252 ug/l  | #      | 45       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43    | 11127    | 7.471 ug/l  |        | 98       |
| 59) 2-Hexanone                | 9.439  | 43    | 302      | 0.265 ug/l  |        | 88       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 31588    | 24.343 ug/l | #      | 41       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 31588    | 69.074 ug/l | #      | 3        |
| -----                         |        |       |          |             |        |          |

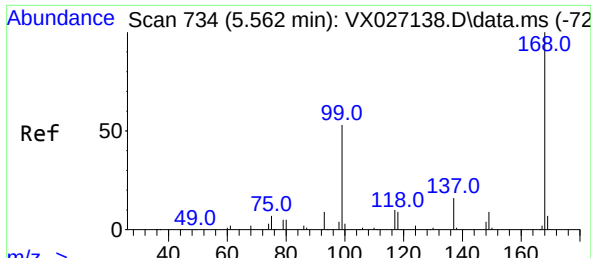
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_X  
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OF-3

Quant Time: Feb 24 03:33:10 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

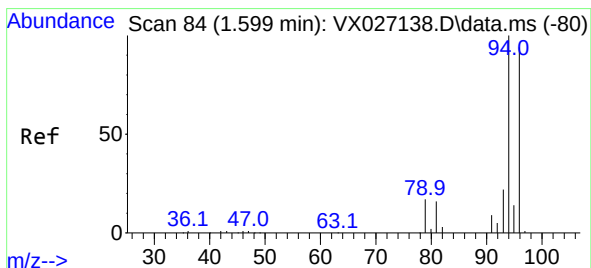
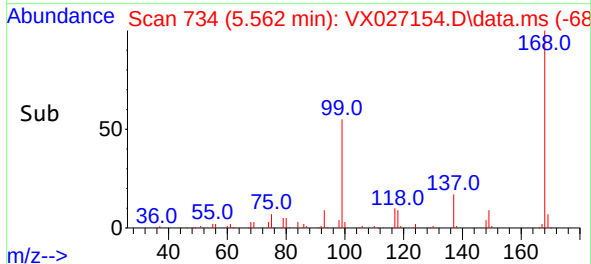
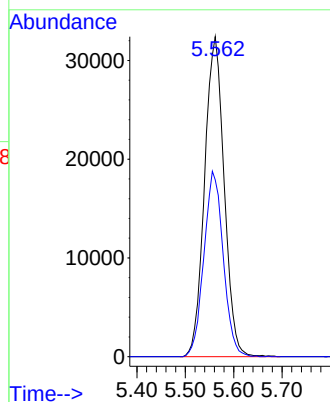
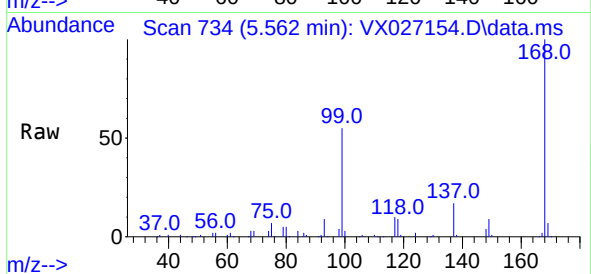




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX027154.D  
Acq: 23 Feb 2022 18:33

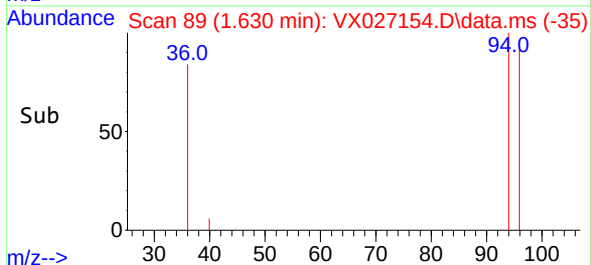
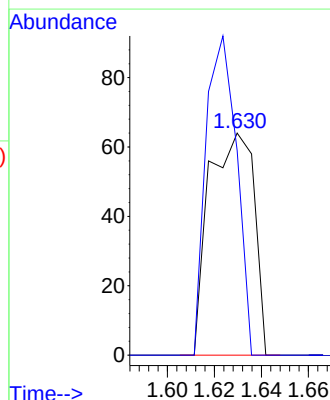
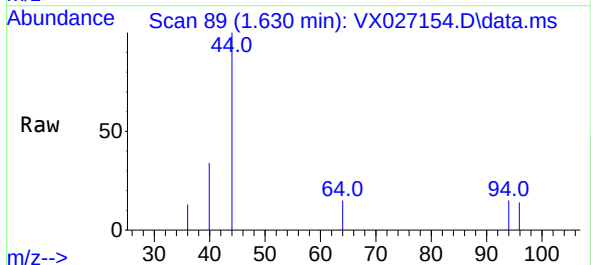
Instrument :  
MSVOA\_X  
ClientSampleId :  
OF-3

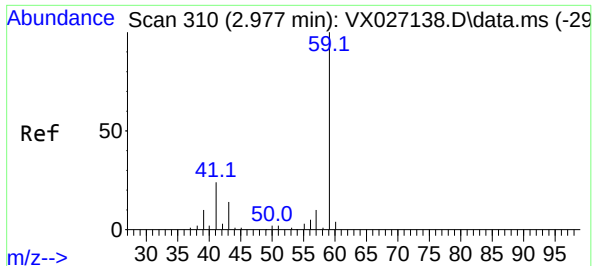
Tgt Ion:168 Resp: 91075  
Ion Ratio Lower Upper  
168 100  
99 55.2 50.3 75.5



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.630 min Scan# 89  
Delta R.T. 0.031 min  
Lab File: VX027154.D  
Acq: 23 Feb 2022 18:33

Tgt Ion: 94 Resp: 85  
Ion Ratio Lower Upper  
94 100  
96 92.2 75.9 113.9





#11

Tert butyl alcohol

Concen: 1.151 ug/l

RT: 2.959 min Scan# 307

Delta R.T. -0.018 min

Lab File: VX027154.D

Acq: 23 Feb 2022 18:33

Instrument :

MSVOA\_X

ClientSampleId :

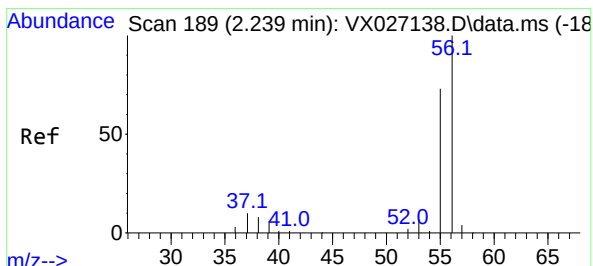
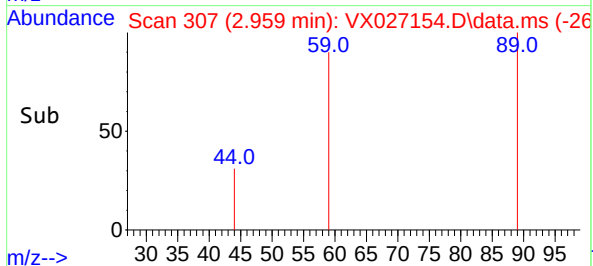
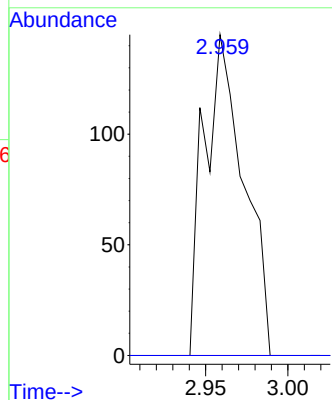
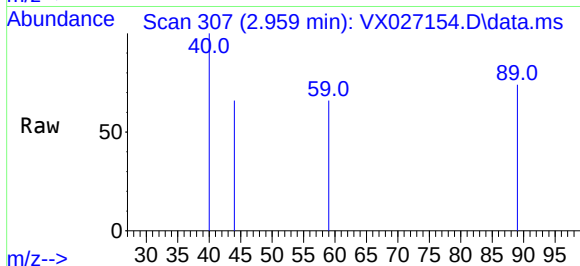
OF-3

Tgt Ion: 59 Resp: 245

Ion Ratio Lower Upper

59 100

57 0.0 7.2 10.8#



#13

Acrolein

Concen: 2.084 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX027154.D

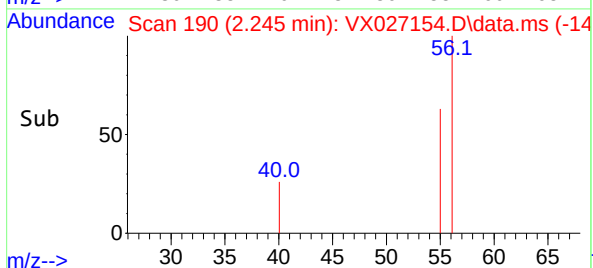
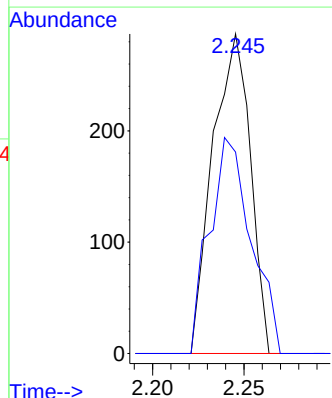
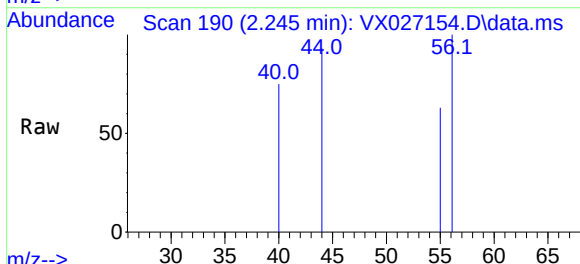
Acq: 23 Feb 2022 18:33

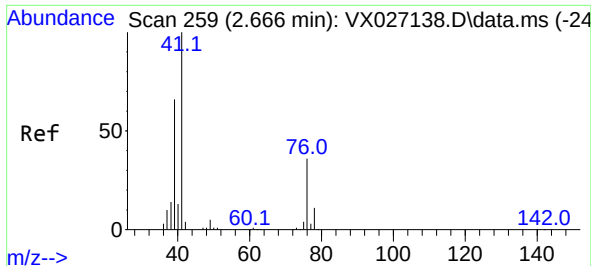
Tgt Ion: 56 Resp: 410

Ion Ratio Lower Upper

56 100

55 75.1 56.9 85.3

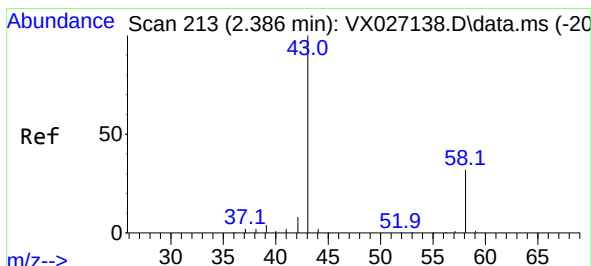
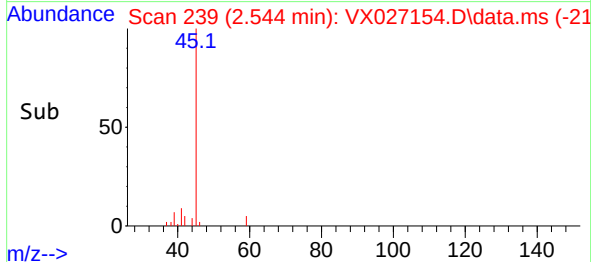
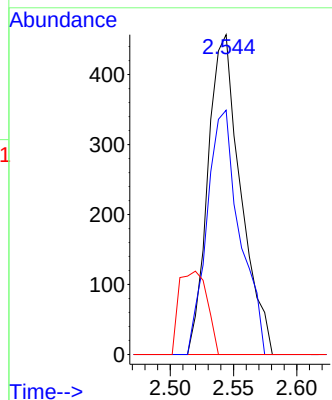
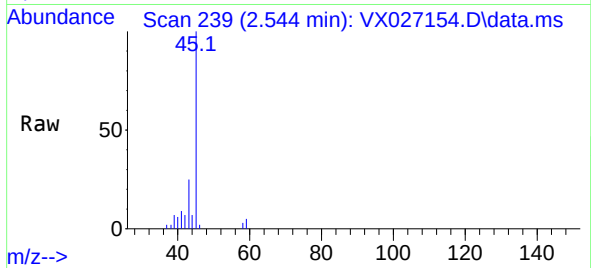




#14  
 Allyl chloride  
 Concen: 0.527 ug/l  
 RT: 2.544 min Scan# 214  
 Delta R.T. -0.122 min  
 Lab File: VX027154.D  
 Acq: 23 Feb 2022 18:33

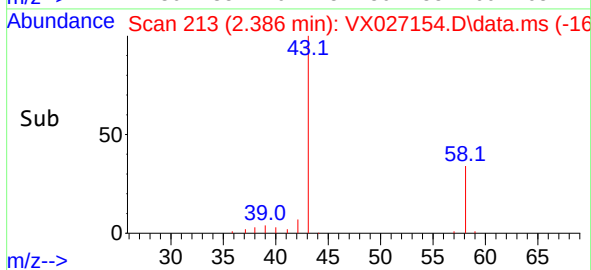
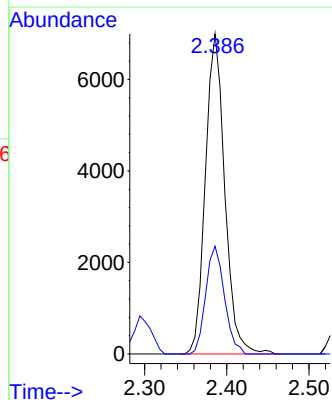
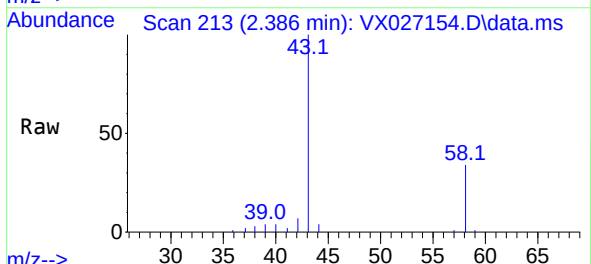
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OF-3

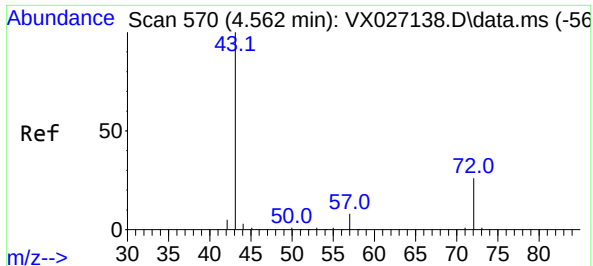
Tgt Ion: 41 Resp: 823  
 Ion Ratio Lower Upper  
 41 100  
 39 76.4 54.2 81.4  
 76 0.0 25.2 37.8#



#16  
 Acetone  
 Concen: 23.873 ug/l  
 RT: 2.386 min Scan# 213  
 Delta R.T. -0.000 min  
 Lab File: VX027154.D  
 Acq: 23 Feb 2022 18:33

Tgt Ion: 43 Resp: 11465  
 Ion Ratio Lower Upper  
 43 100  
 58 33.6 23.0 34.6





#25

2-Butanone

Concen: 4.262 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX027154.D

Acq: 23 Feb 2022 18:33

Instrument :

MSVOA\_X

ClientSampleId :

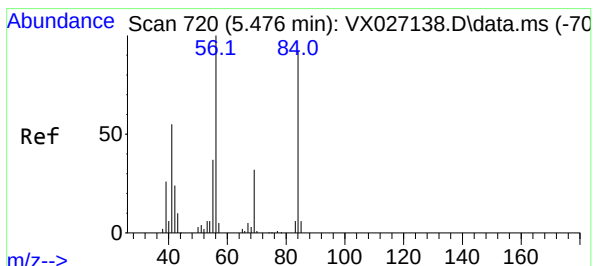
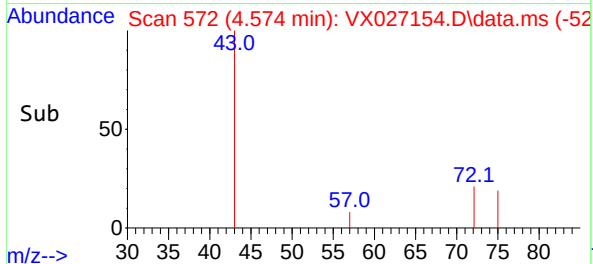
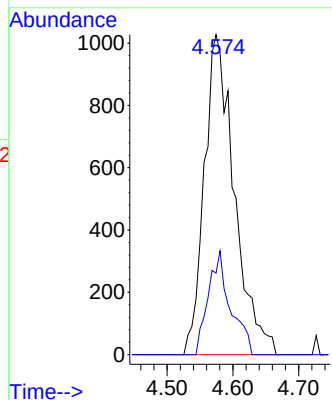
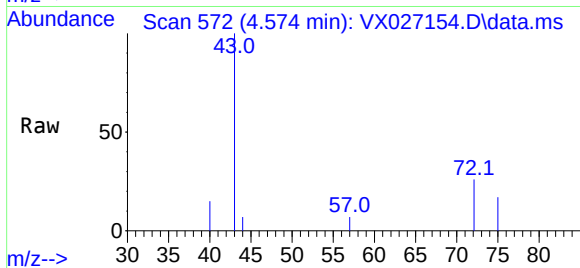
OF-3

Tgt Ion: 43 Resp: 3260

Ion Ratio Lower Upper

43 100

72 25.5 20.4 30.6



#31

Cyclohexane

Concen: 1.016 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.086 min

Lab File: VX027154.D

Acq: 23 Feb 2022 18:33

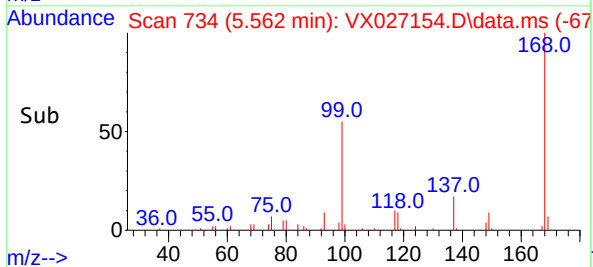
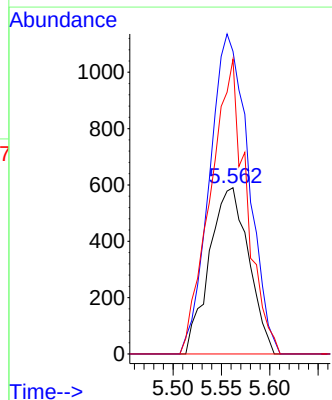
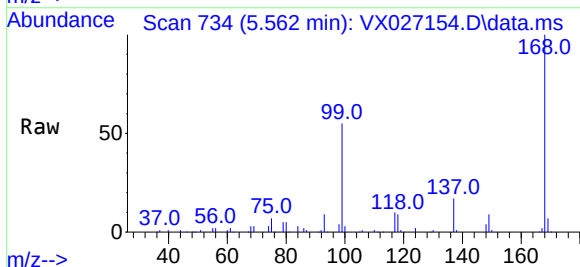
Tgt Ion: 56 Resp: 1665

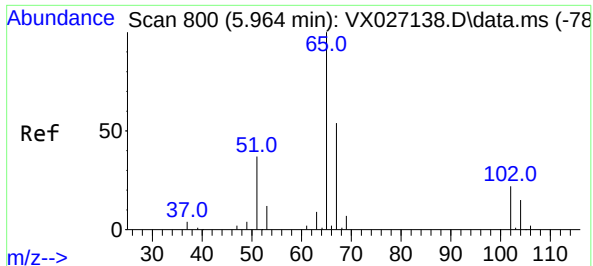
Ion Ratio Lower Upper

56 100

69 182.0 25.8 38.6#

84 177.3 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 48.783 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX027154.D

Acq: 23 Feb 2022 18:33

Instrument :

MSVOA\_X

ClientSampleId :

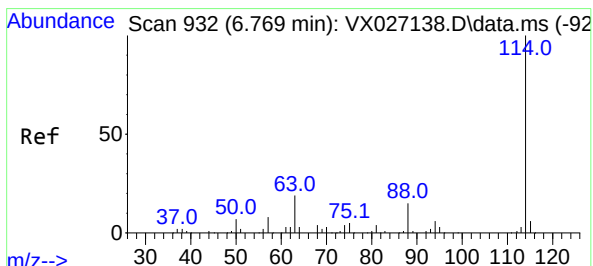
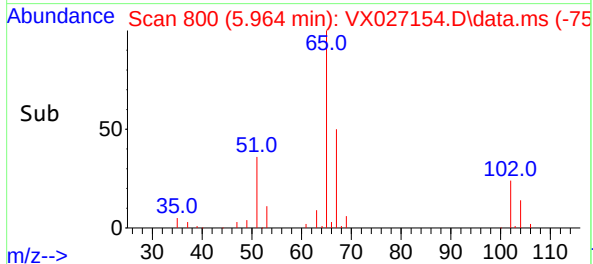
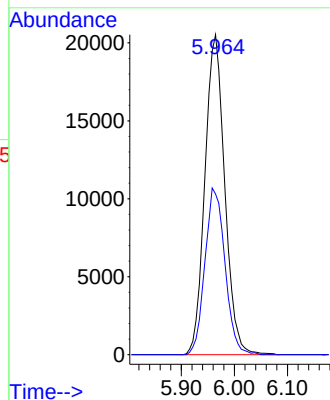
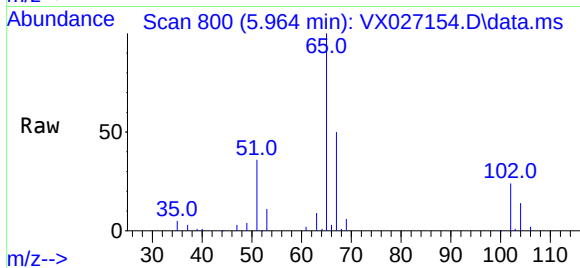
OF-3

Tgt Ion: 65 Resp: 53360

Ion Ratio Lower Upper

65 100

67 52.6 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: VX027154.D

Acq: 23 Feb 2022 18:33

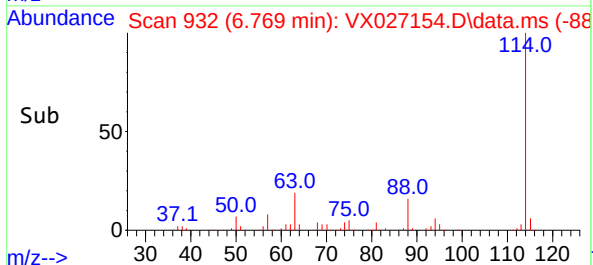
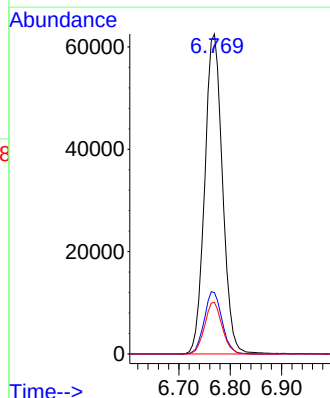
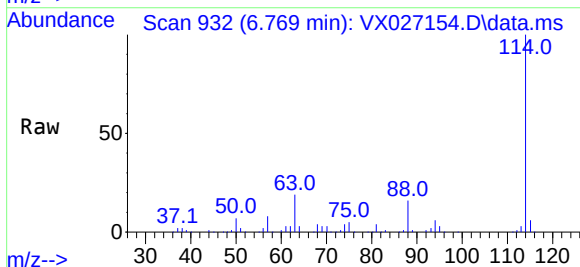
Tgt Ion: 114 Resp: 149756

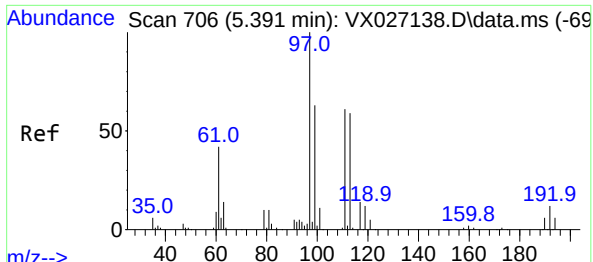
Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.8

88 16.1 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.942 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX027154.D

Acq: 23 Feb 2022 18:33

Instrument :

MSVOA\_X

ClientSampleId :

OF-3

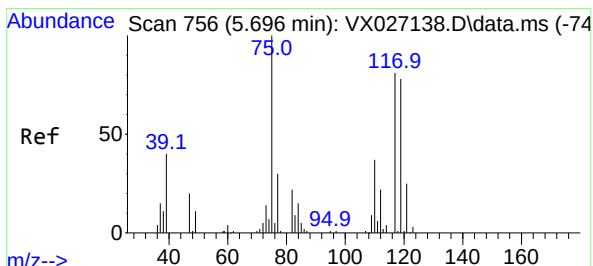
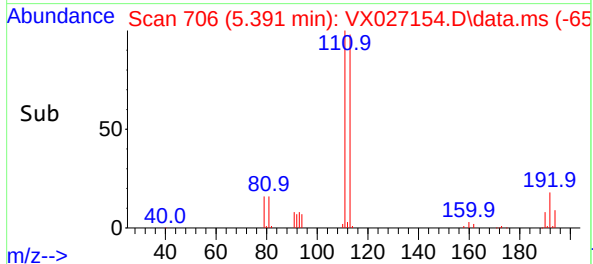
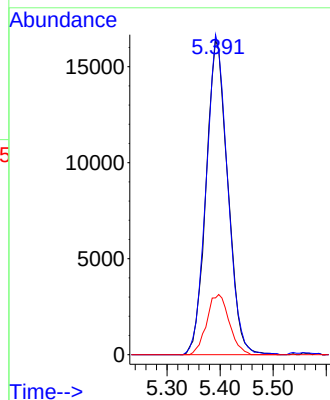
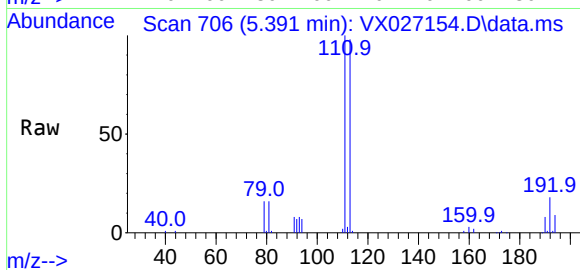
Tgt Ion:113 Resp: 46424

Ion Ratio Lower Upper

113 100

111 100.7 81.2 121.8

192 19.8 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.866 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX027154.D

Acq: 23 Feb 2022 18:33

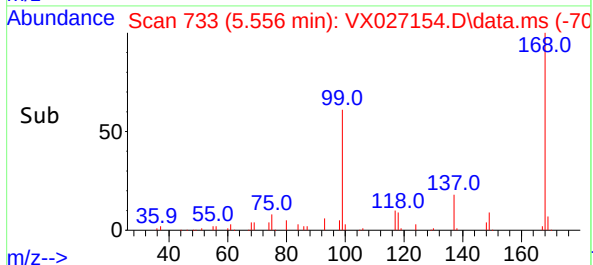
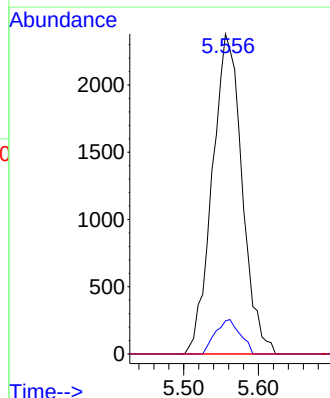
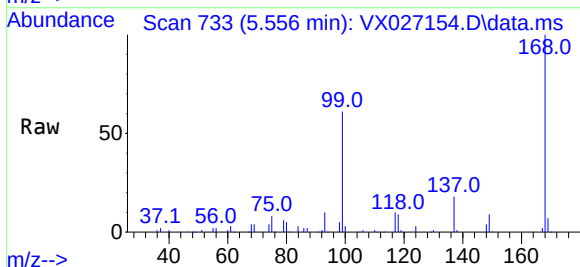
Tgt Ion: 75 Resp: 6601

Ion Ratio Lower Upper

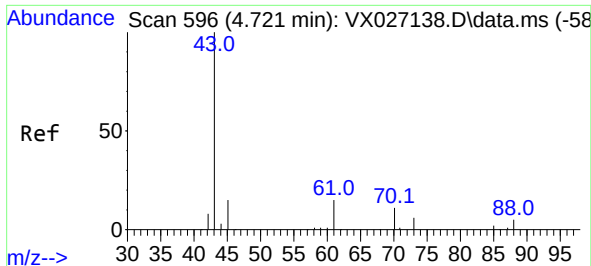
75 100

110 9.0 17.2 51.6#

77 0.0 24.6 36.8#



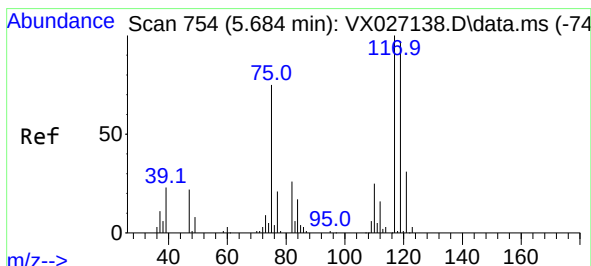
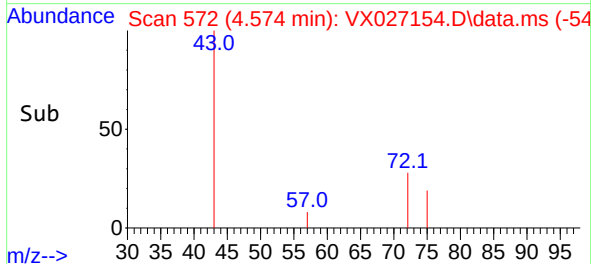
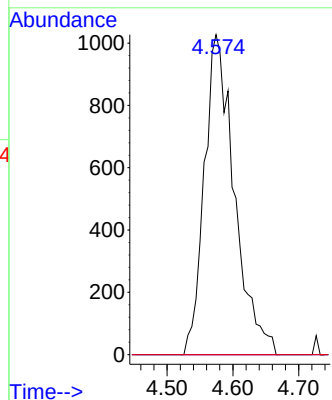
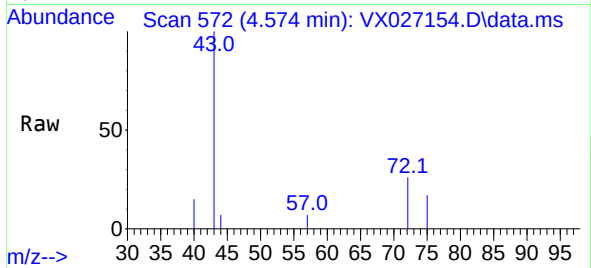




#37  
Ethyl Acetate  
Concen: 2.189 ug/l  
RT: 4.574 min Scan# 51  
Delta R.T. -0.147 min  
Lab File: VX027154.D  
Acq: 23 Feb 2022 18:33

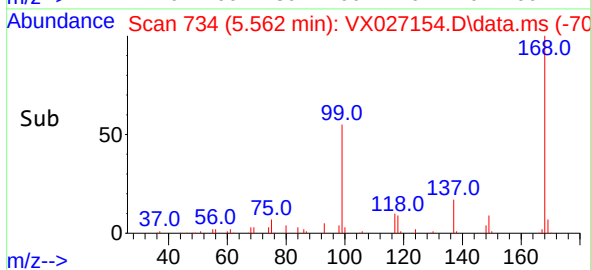
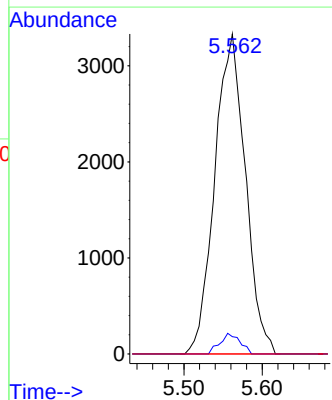
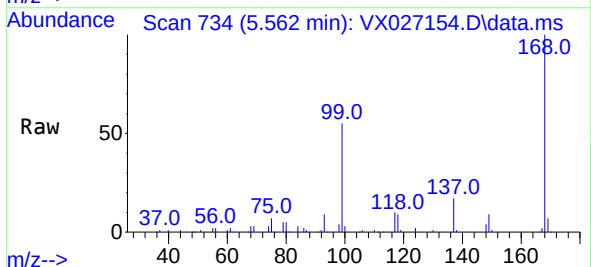
Instrument :  
MSVOA\_X  
ClientSampleId :  
OF-3

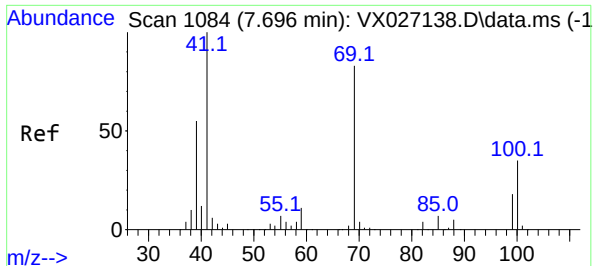
Tgt Ion: 43 Resp: 3260  
Ion Ratio Lower Upper  
43 100  
61 0.0 10.6 16.0#  
70 0.0 8.5 12.7#



#38  
Carbon Tetrachloride  
Concen: 6.393 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.122 min  
Lab File: VX027154.D  
Acq: 23 Feb 2022 18:33

Tgt Ion: 117 Resp: 9045  
Ion Ratio Lower Upper  
117 100  
119 5.4 74.7 112.1#  
121 0.0 25.4 38.0#





#48

Methyl methacrylate

Concen: 0.252 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.116 min

Lab File: VX027154.D

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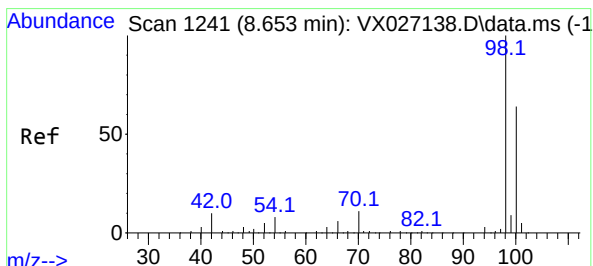
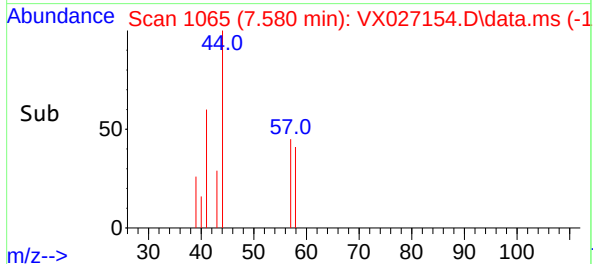
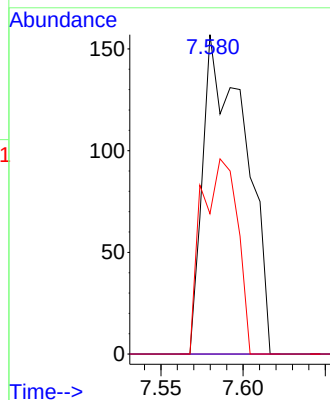
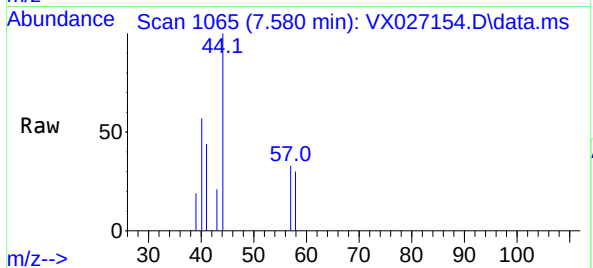
Instrument :

MSVOA\_X

ClientSampleId :

OF-3

|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 280   |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 69 0.0      | 62.2 93.4#  |
| 39 51.8     | 45.4 68.0   |



#50

Toluene-d8

Concen: 49.623 ug/l

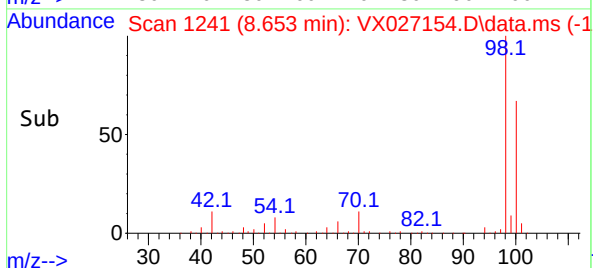
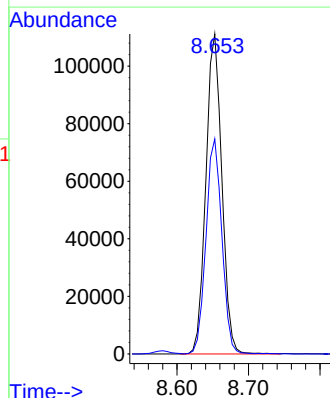
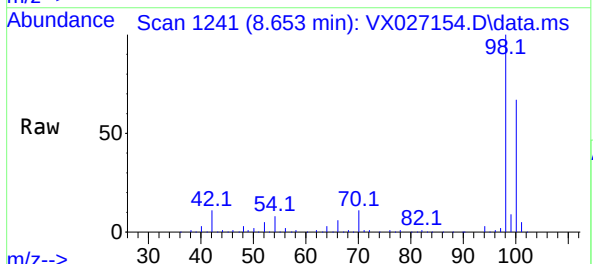
RT: 8.653 min Scan# 1241

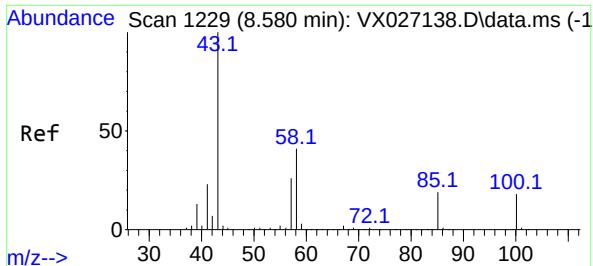
Delta R.T. -0.000 min

Lab File: VX027154.D

Acq: 23 Feb 2022 18:33

|             |              |
|-------------|--------------|
| Tgt Ion: 98 | Resp: 172478 |
| Ion Ratio   | Lower Upper  |
| 98 100      |              |
| 100 66.8    | 53.2 79.8    |

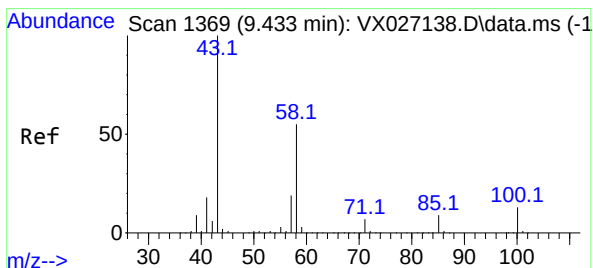
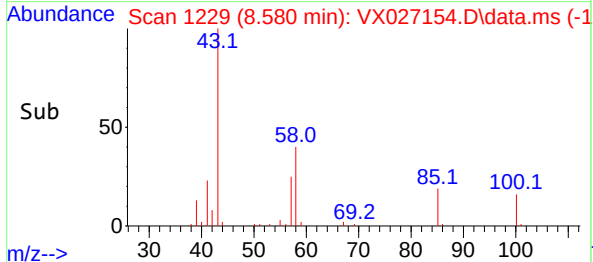
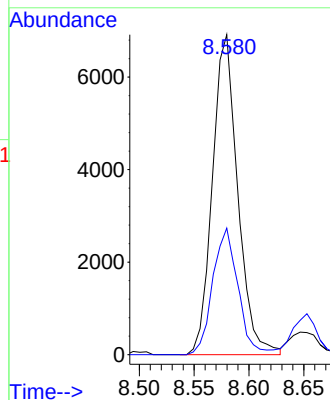
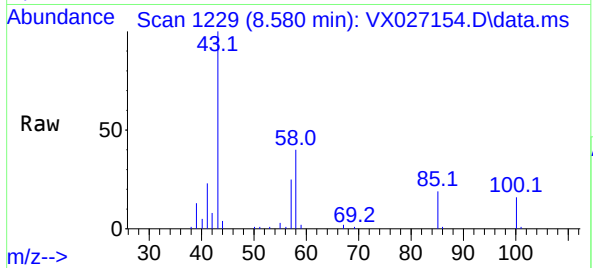




#51  
4-Methyl-2-Pentanone  
Concen: 7.471 ug/l  
RT: 8.580 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX027154.D  
Acq: 23 Feb 2022 18:33

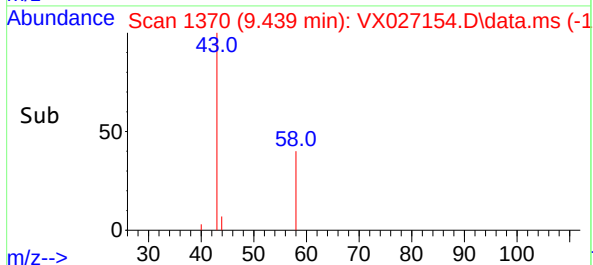
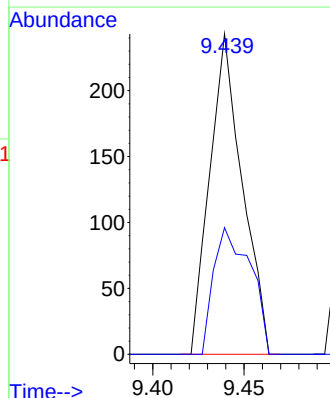
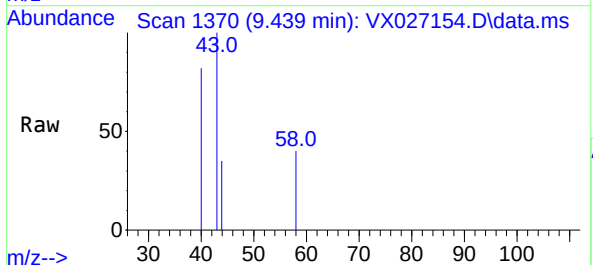
Instrument :  
MSVOA\_X  
ClientSampleId :  
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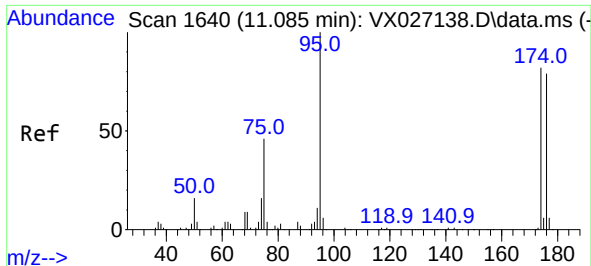
Tgt Ion: 43 Resp: 11127  
Ion Ratio Lower Upper  
43 100  
58 39.2 30.5 45.7



#59  
2-Hexanone  
Concen: 0.265 ug/l  
RT: 9.439 min Scan# 1370  
Delta R.T. 0.006 min  
Lab File: VX027154.D  
Acq: 23 Feb 2022 18:33

Tgt Ion: 43 Resp: 302  
Ion Ratio Lower Upper  
43 100  
58 44.4 26.4 79.2

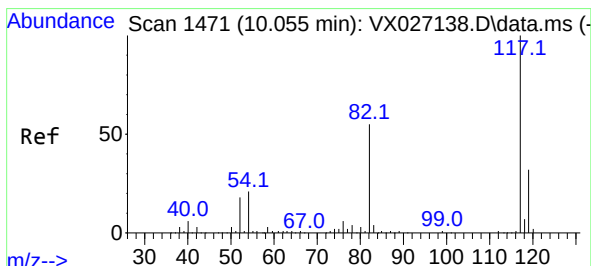
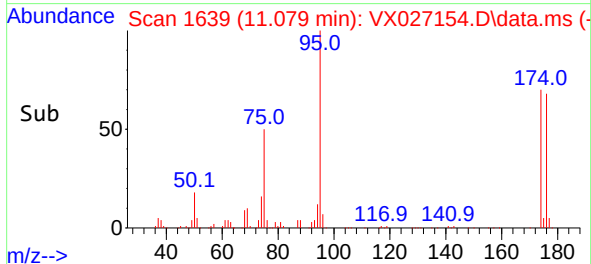
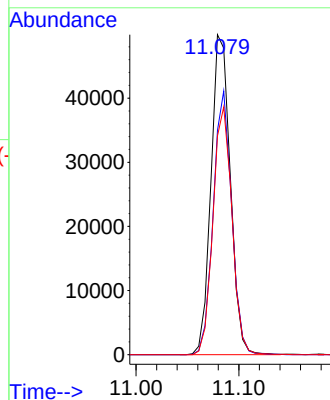
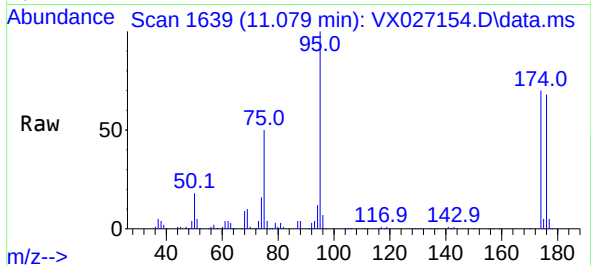




#62  
4-Bromofluorobenzene  
Concen: 48.729 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VX027154.D  
Acq: 23 Feb 2022 18:33

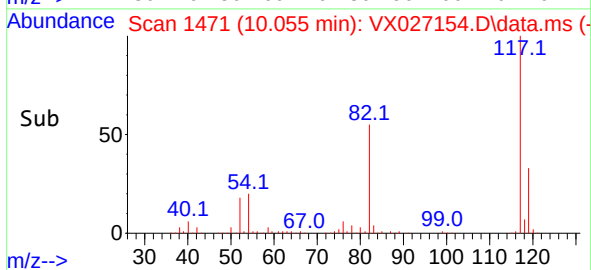
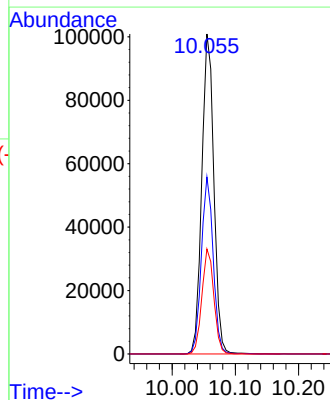
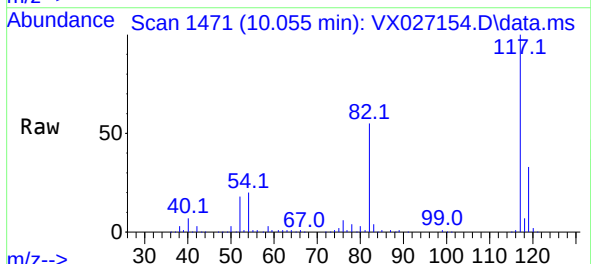
Instrument :  
MSVOA\_X  
ClientSampleId :  
OF-3

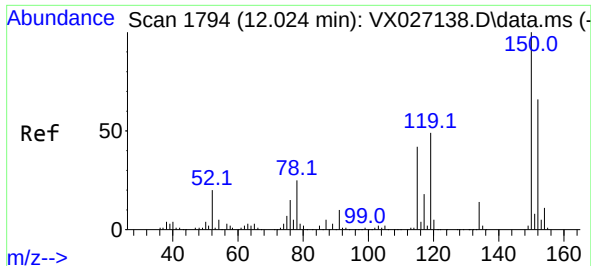
Tgt Ion: 95 Resp: 65013  
Ion Ratio Lower Upper  
95 100  
174 78.5 0.0 148.6  
176 76.0 0.0 141.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX027154.D  
Acq: 23 Feb 2022 18:33

Tgt Ion: 117 Resp: 134053  
Ion Ratio Lower Upper  
117 100  
82 55.3 45.2 67.8  
119 32.8 26.2 39.2

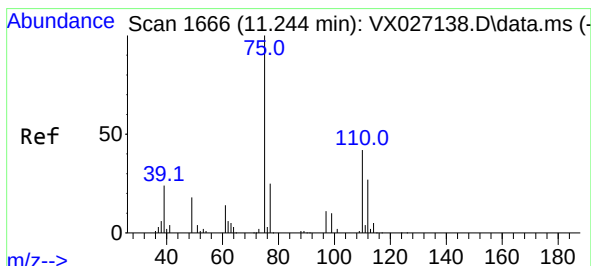
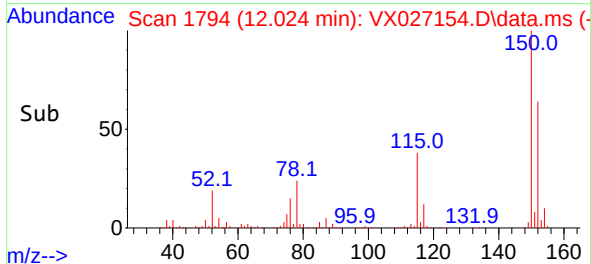
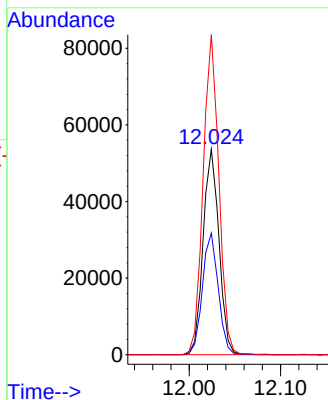
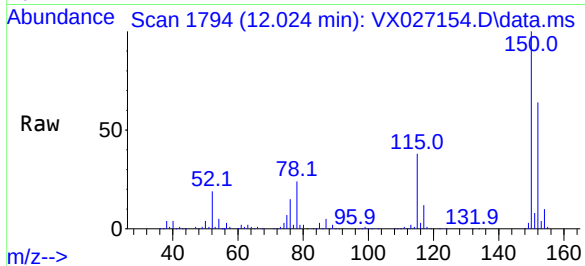




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX027154.D  
Acq: 23 Feb 2022 18:33

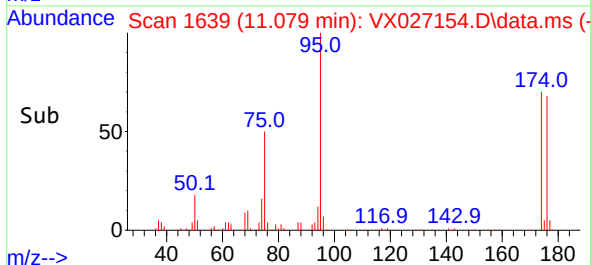
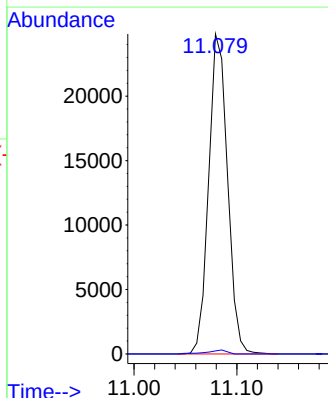
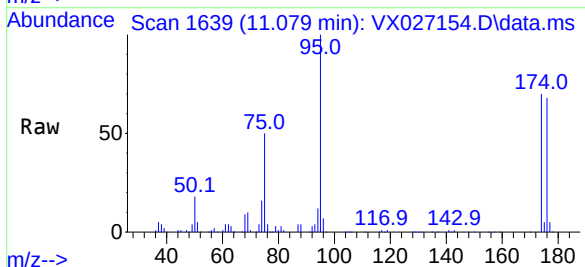
Instrument :  
MSVOA\_X  
ClientSampleId :  
OF-3

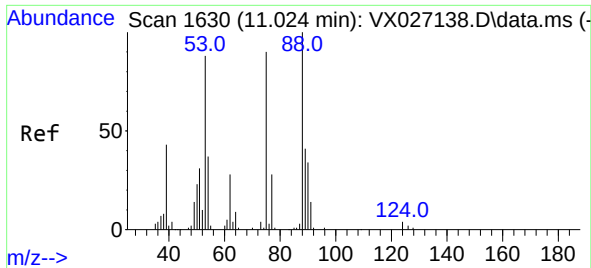
Tgt Ion:152 Resp: 64423  
Ion Ratio Lower Upper  
152 100  
115 59.2 44.2 132.6  
150 154.7 0.0 348.2



#76  
1,2,3-Trichloropropane  
Concen: 24.343 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX027154.D  
Acq: 23 Feb 2022 18:33

Tgt Ion: 75 Resp: 31588  
Ion Ratio Lower Upper  
75 100  
77 1.3 18.3 54.8#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 69.074 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.055 min  
 Lab File: VX027154.D  
 Acq: 23 Feb 2022 18:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OF-3

Tgt Ion: 75 Resp: 31588  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 94.0 141.0#  
 89 0.0 37.0 55.4#

