

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX020122\  
 Data File : VX026717.D  
 Acq On : 01 Feb 2022 19:11  
 Operator : JC/MD  
 Sample : PB142403ZHE#10  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB142403ZHE#10

Quant Time: Feb 02 04:37:42 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011122W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 11 14:45:13 2022  
 Response via : Initial Calibration

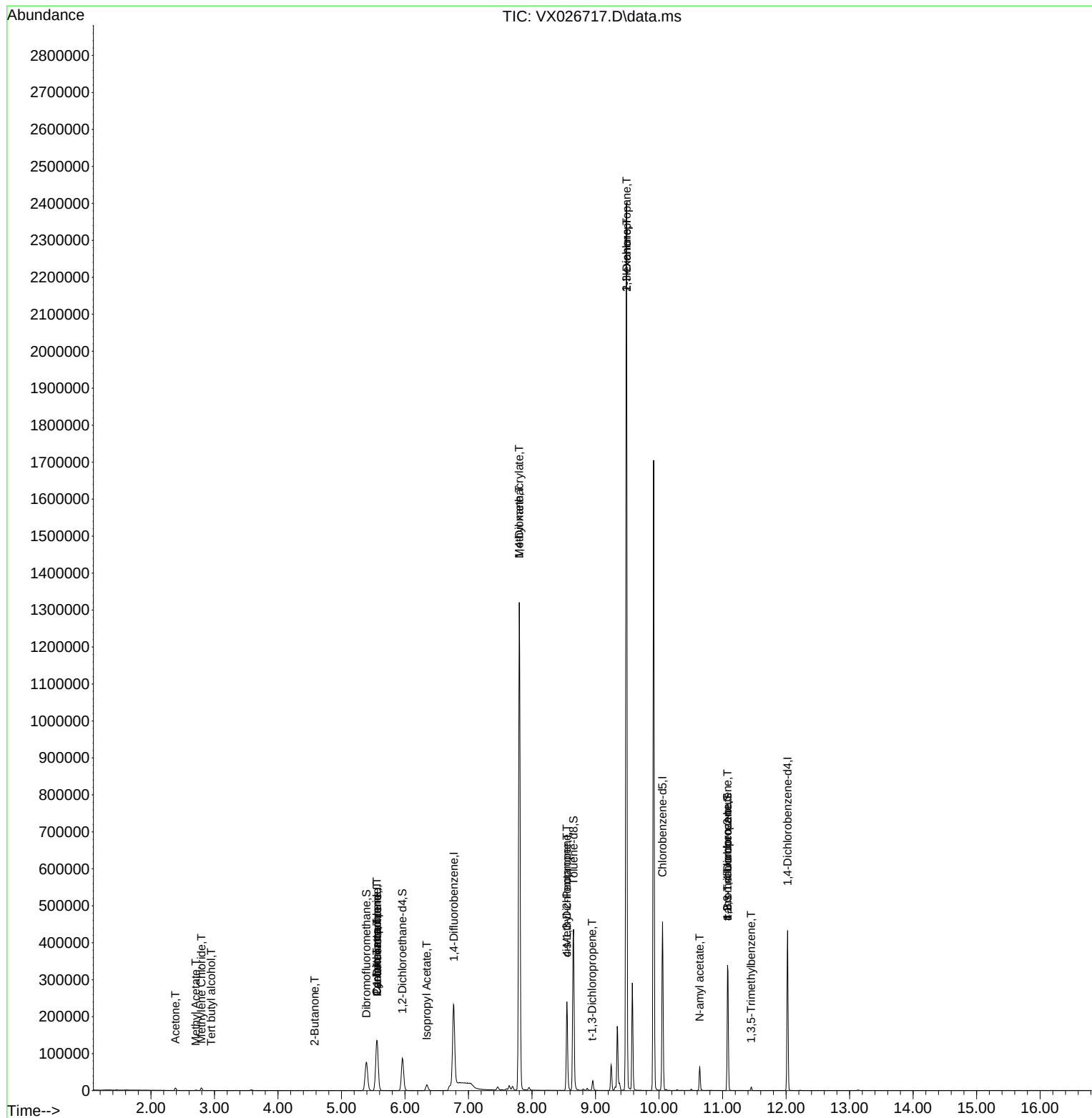
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) Pentafluorobenzene         | 5.562          | 168  | 129671     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769          | 114  | 220850     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 198072     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 87464      | 50.000   | ug/l   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 83216      | 45.940   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 91.880%  |        |          |
| 35) Dibromofluoromethane      | 5.391          | 113  | 68651      | 48.136   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 96.280%  |        |          |
| 50) Toluene-d8                | 8.653          | 98   | 259626     | 50.517   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 101.040% |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 94806      | 51.929   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 103.860% |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          | Qvalue |          |
| 11) Tert butyl alcohol        | 2.947          | 59   | 101        | 0.401    | ug/l # | 75       |
| 16) Acetone                   | 2.386          | 43   | 7729       | 8.367    | ug/l   | 93       |
| 18) Methyl Acetate            | 2.703          | 43   | 2282       | 1.243    | ug/l # | 90       |
| 20) Methylene Chloride        | 2.794          | 84   | 3071       | 2.012    | ug/l   | 97       |
| 25) 2-Butanone                | 4.574          | 43   | 1562       | 1.300    | ug/l # | 79       |
| 31) Cyclohexane               | 5.556          | 56   | 2524       | 0.945    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.556          | 75   | 9804       | 4.355    | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.556          | 117  | 13276      | 5.733    | ug/l # | 18       |
| 43) Isopropyl Acetate         | 6.342          | 43   | 21779      | 5.920    | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.799          | 41   | 110492     | 60.603   | ug/l # | 44       |
| 49) 1,4-Dioxane               | 7.799          | 88   | 189        | 6.317    | ug/l # | 1        |
| 51) 4-Methyl-2-Pentanone      | 8.549          | 43   | 79749      | 36.547   | ug/l # | 50       |
| 53) t-1,3-Dichloropropene     | 8.946          | 75   | 46         | 1.897    | ug/l # | 43       |
| 54) cis-1,3-Dichloropropene   | 8.549          | 75   | 37730      | 15.878   | ug/l # | 56       |
| 57) 1,3-Dichloropropane       | 9.488          | 76   | 21635      | 8.380    | ug/l # | 43       |
| 59) 2-Hexanone                | 9.488          | 43   | 299845     | 179.534  | ug/l # | 51       |
| 74) N-amyl acetate            | 10.640         | 43   | 15420      | 5.571    | ug/l # | 53       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 46545      | 24.170   | ug/l # | 40       |
| 80) 1,3,5-Trimethylbenzene    | 11.451         | 105  | 3961       | 0.670    | ug/l   | 94       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 46545      | 73.631   | ug/l # | 3        |
| -----                         |                |      |            |          |        |          |

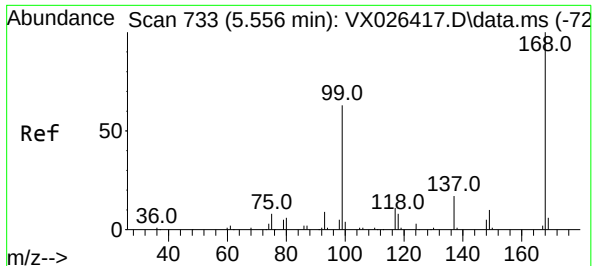
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX020122\  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011122W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 11 14:45:13 2022  
Response via : Initial Calibration

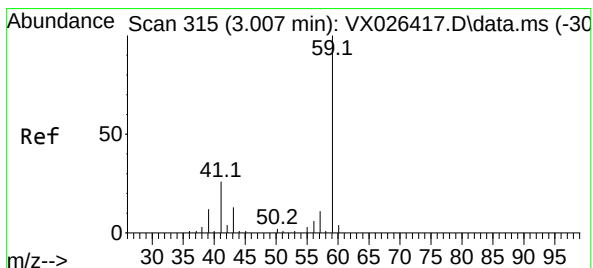
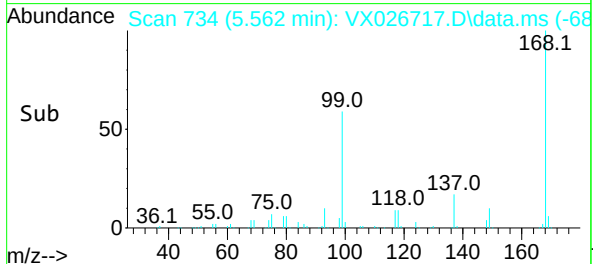
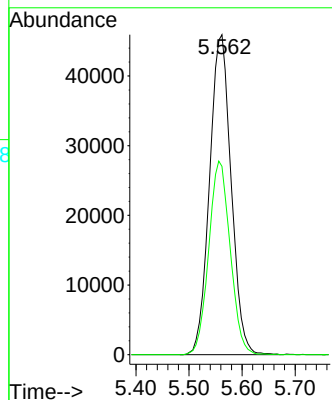
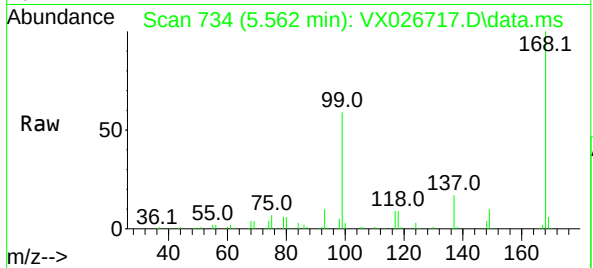




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX026717.D  
Acq: 01 Feb 2022 19:11

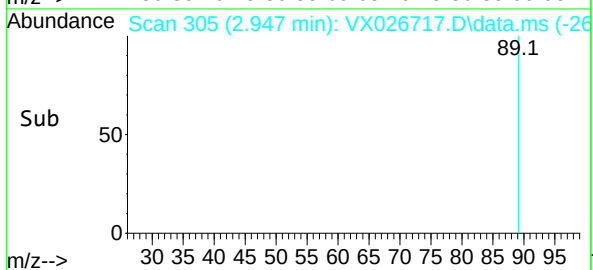
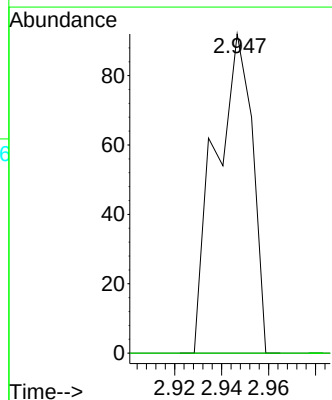
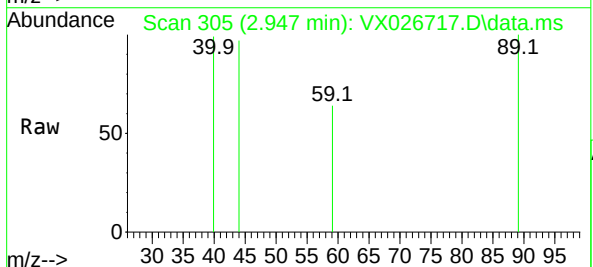
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB142403ZHE#10

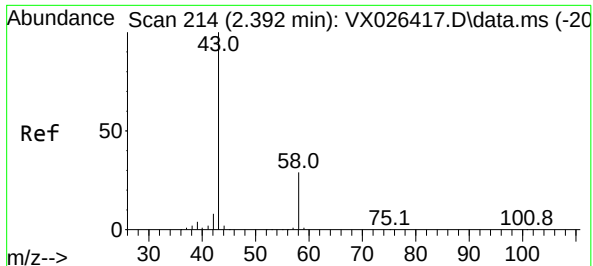
Tgt Ion:168 Resp: 129671  
Ion Ratio Lower Upper  
168 100  
99 58.8 50.3 75.5



#11  
Tert butyl alcohol  
Concen: 0.401 ug/l  
RT: 2.947 min Scan# 305  
Delta R.T. -0.060 min  
Lab File: VX026717.D  
Acq: 01 Feb 2022 19:11

Tgt Ion: 59 Resp: 101  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.2 10.8#

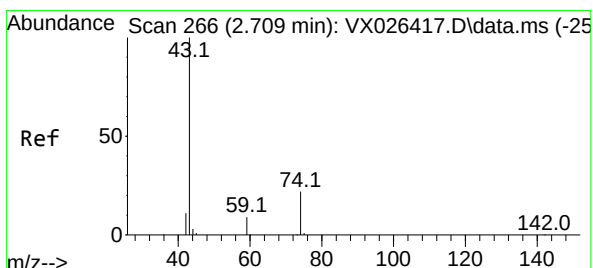
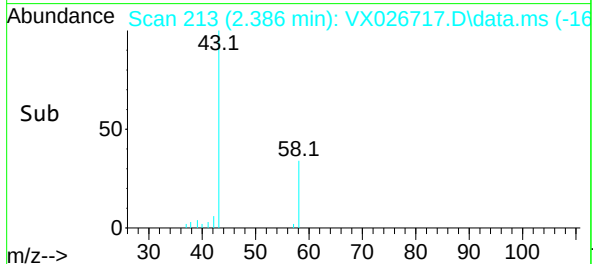
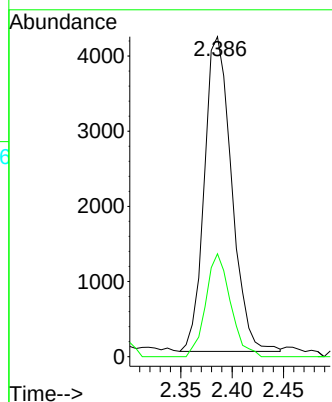
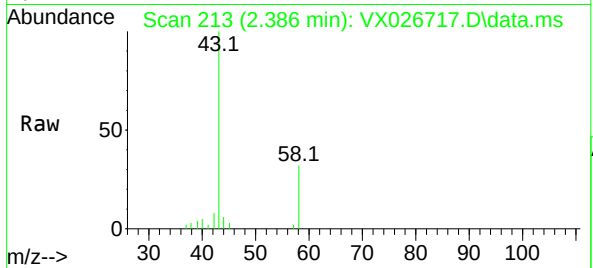




#16  
Acetone  
Concen: 8.367 ug/l  
RT: 2.386 min Scan# 214  
Delta R.T. -0.006 min  
Lab File: VX026717.D  
Acq: 01 Feb 2022 19:11

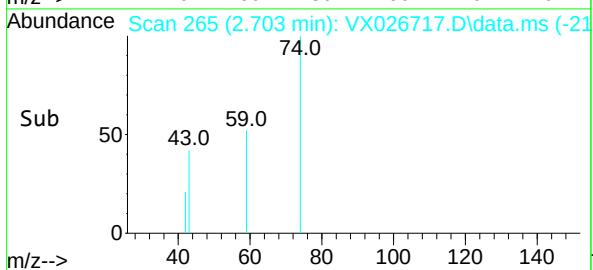
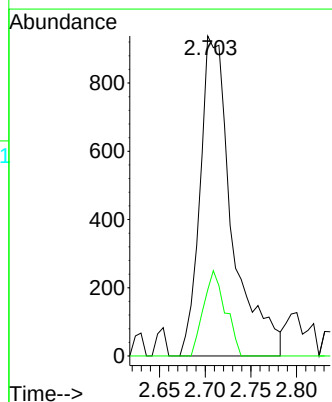
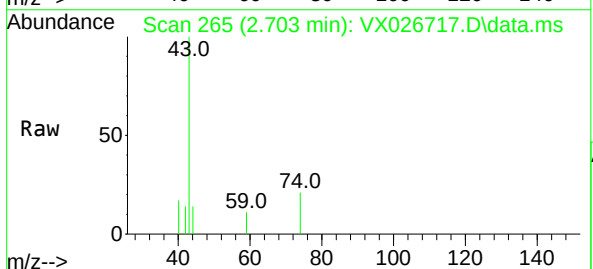
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB142403ZHE#10

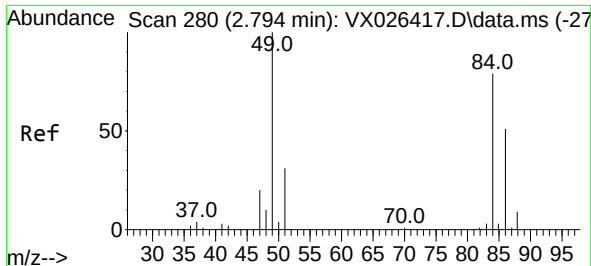
Tgt Ion: 43 Resp: 7729  
Ion Ratio Lower Upper  
43 100  
58 32.7 23.0 34.6



#18  
Methyl Acetate  
Concen: 1.243 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.006 min  
Lab File: VX026717.D  
Acq: 01 Feb 2022 19:11

Tgt Ion: 43 Resp: 2282  
Ion Ratio Lower Upper  
43 100  
74 18.2 18.3 27.5#





#20

Methylene Chloride

Concen: 2.012 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX026717.D

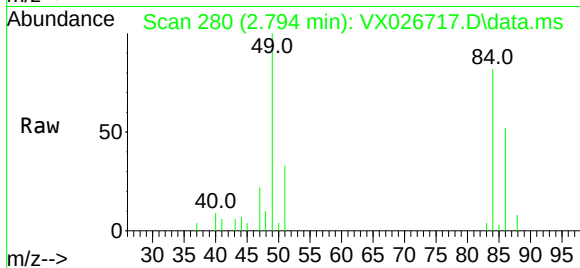
Acq: 01 Feb 2022 19:11

Instrument :

MSVOA\_X

ClientSampleId :

PB142403ZHE#10



Tgt Ion: 84 Resp: 3071

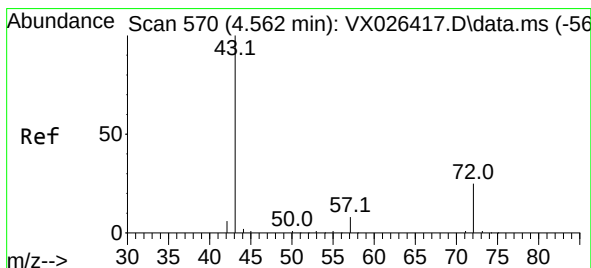
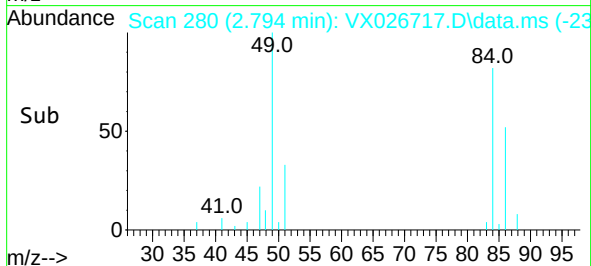
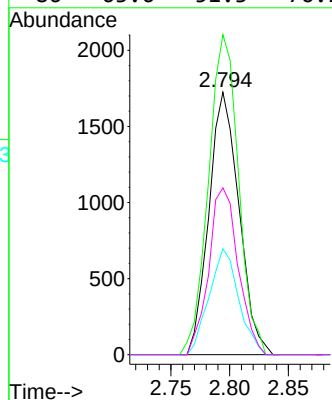
Ion Ratio Lower Upper

84 100

49 122.0 101.5 152.3

51 40.4 31.2 46.8

86 63.6 51.3 76.9



#25

2-Butanone

Concen: 1.300 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.012 min

Lab File: VX026717.D

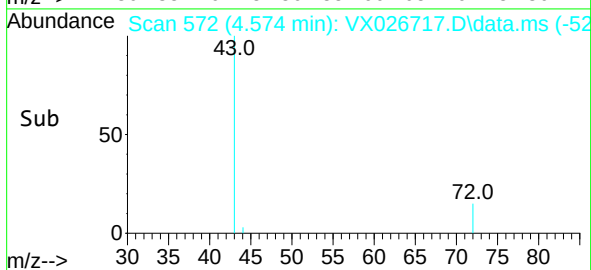
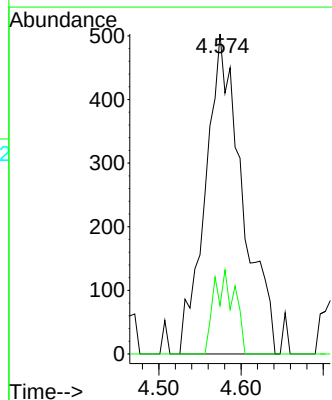
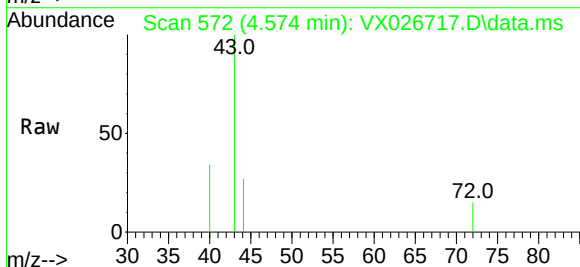
Acq: 01 Feb 2022 19:11

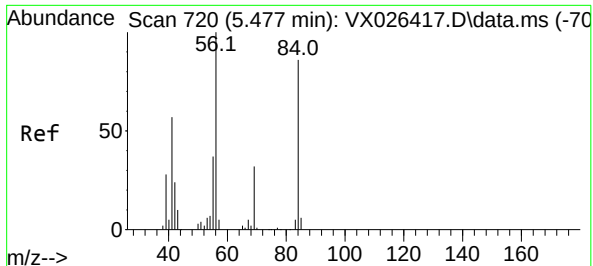
Tgt Ion: 43 Resp: 1562

Ion Ratio Lower Upper

43 100

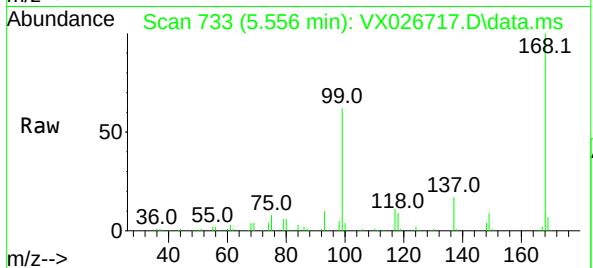
72 15.1 20.4 30.6#



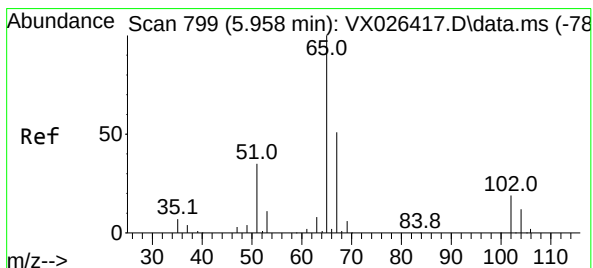
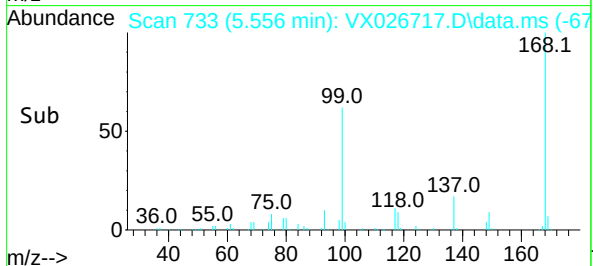
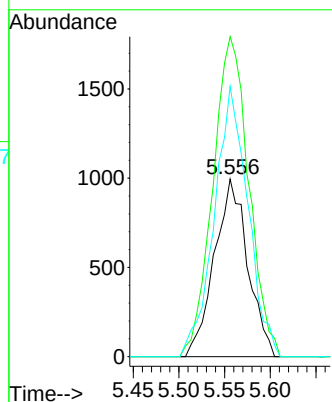


#31  
Cyclohexane  
Concen: 0.945 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.079 min  
Lab File: VX026717.D  
Acq: 01 Feb 2022 19:11

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB142403ZHE#10

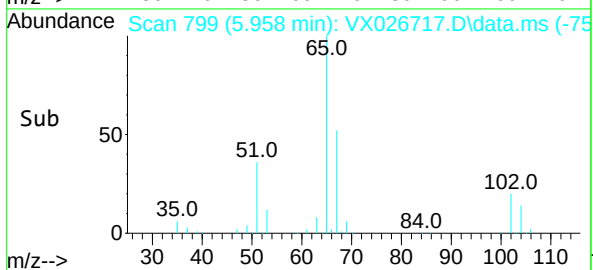
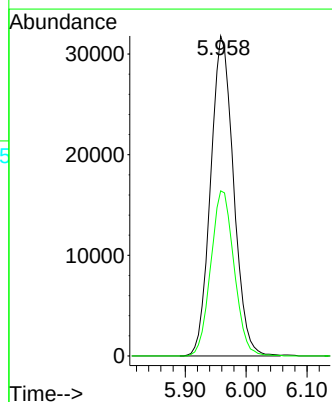
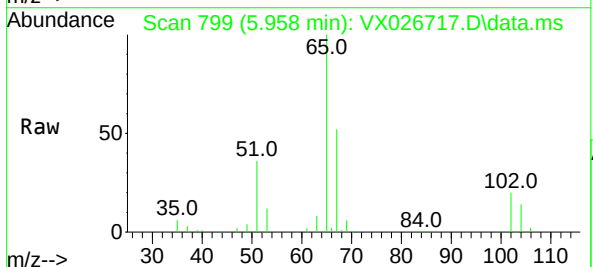


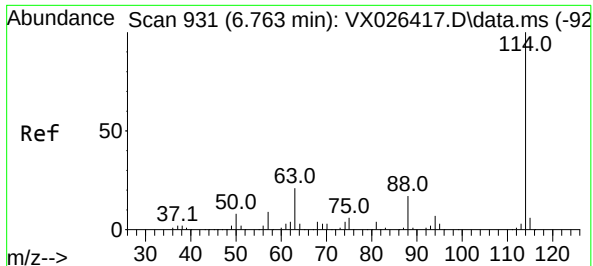
Tgt Ion: 56 Resp: 2524  
Ion Ratio Lower Upper  
56 100  
69 180.2 25.8 38.6#  
84 152.2 68.9 103.3#



#33  
1,2-Dichloroethane-d4  
Concen: 45.940 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX026717.D  
Acq: 01 Feb 2022 19:11

Tgt Ion: 65 Resp: 83216  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 100.8

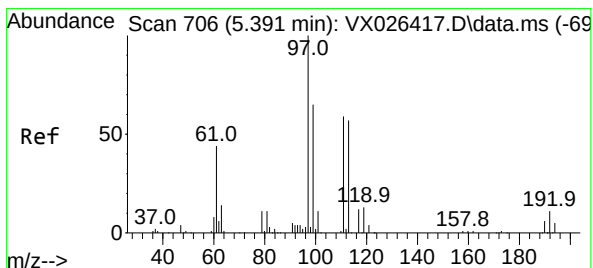
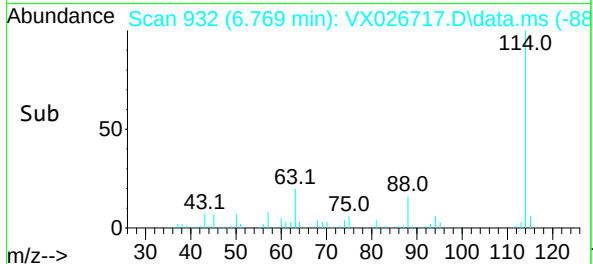
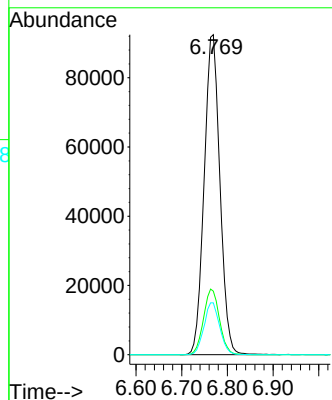
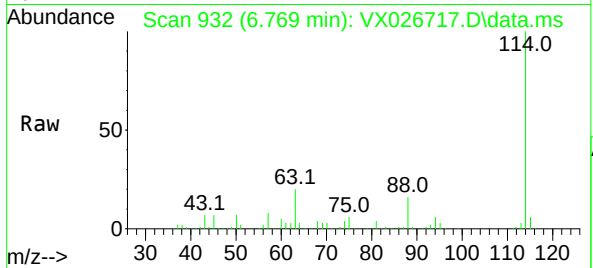




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 911  
Delta R.T. 0.006 min  
Lab File: VX026717.D  
Acq: 01 Feb 2022 19:11

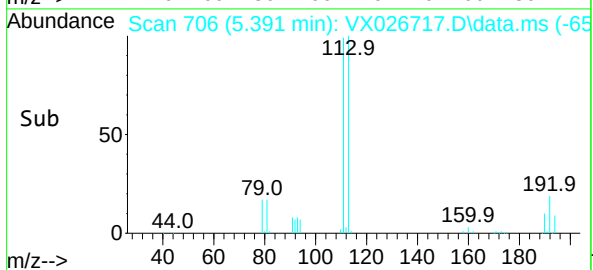
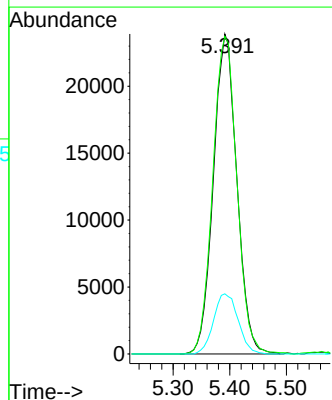
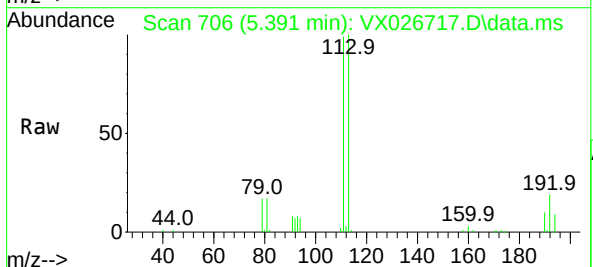
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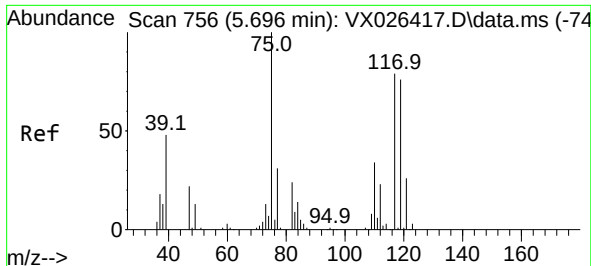
Tgt Ion:114 Resp: 220850  
Ion Ratio Lower Upper  
114 100  
63 19.9 0.0 42.8  
88 16.2 0.0 33.0



#35  
Dibromofluoromethane  
Concen: 48.136 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX026717.D  
Acq: 01 Feb 2022 19:11

Tgt Ion:113 Resp: 68651  
Ion Ratio Lower Upper  
113 100  
111 102.0 81.2 121.8  
192 19.7 15.0 22.4





#36

1,1-Dichloropropene

Concen: 4.355 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX026717.D

Acq: 01 Feb 2022 19:11

Instrument :

MSVOA\_X

ClientSampleId :

PB142403ZHE#10

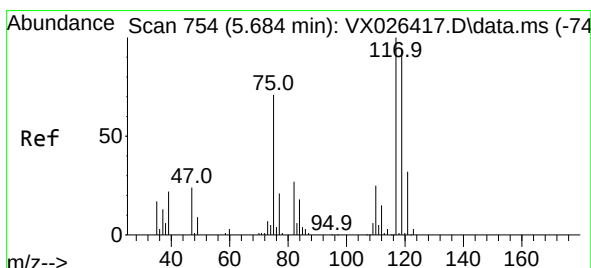
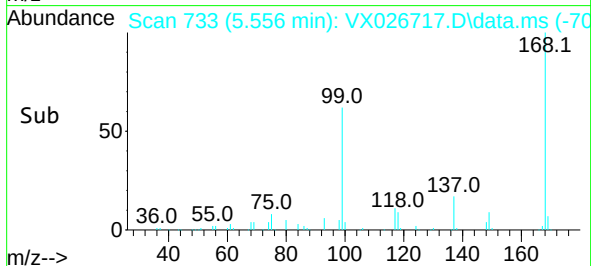
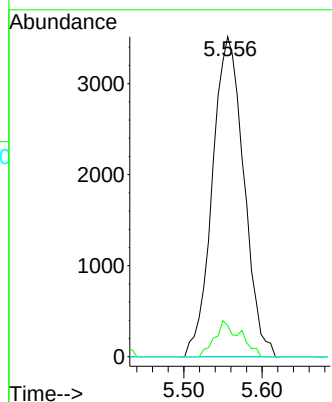
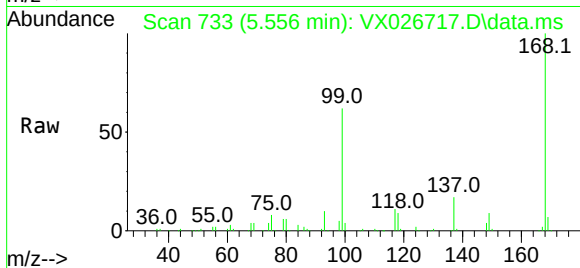
Tgt Ion: 75 Resp: 9804

Ion Ratio Lower Upper

75 100

110 9.1 17.2 51.6#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.733 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX026717.D

Acq: 01 Feb 2022 19:11

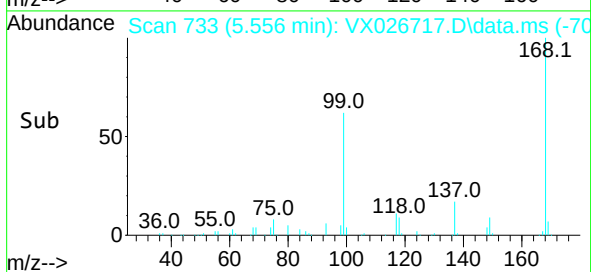
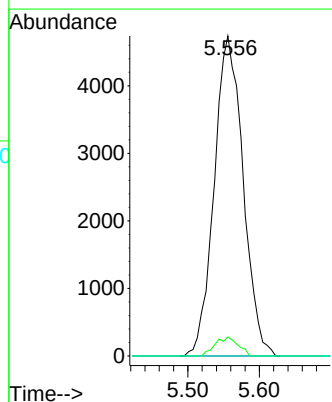
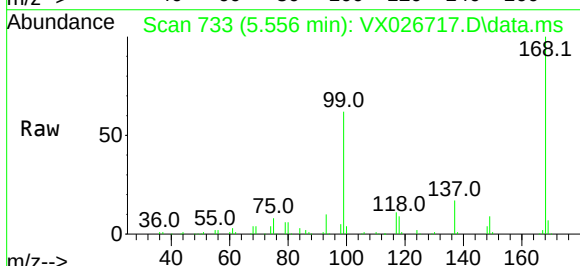
Tgt Ion: 117 Resp: 13276

Ion Ratio Lower Upper

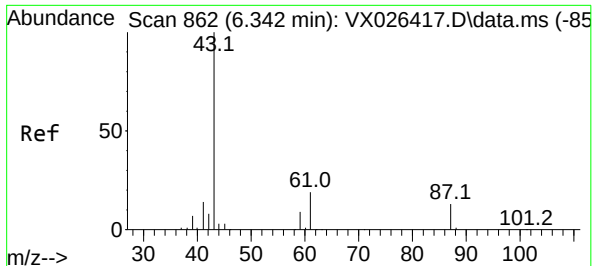
117 100

119 6.0 74.7 112.1#

121 0.0 25.4 38.0#



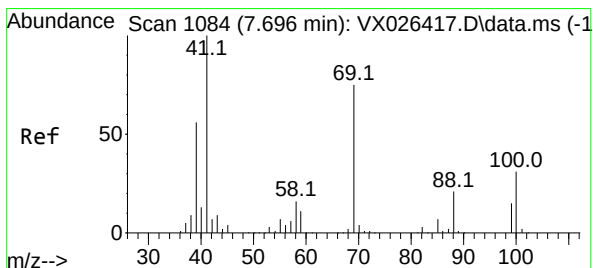
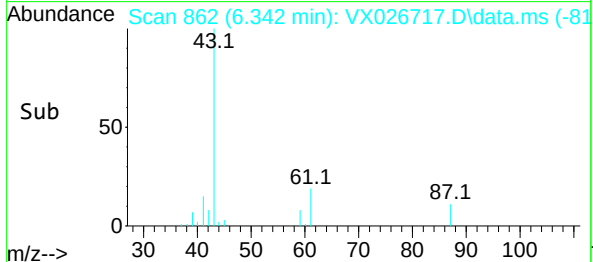
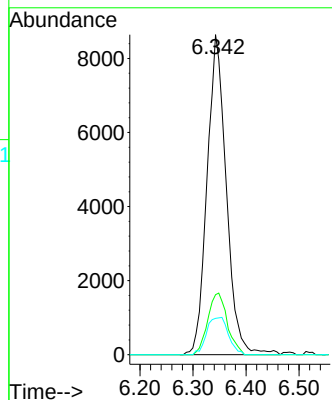
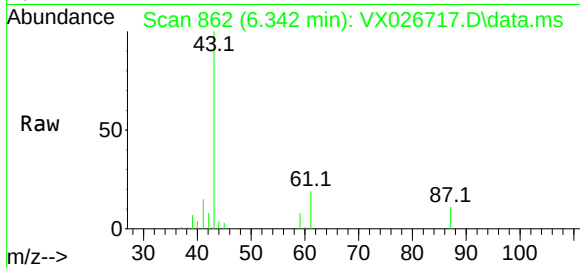




#43  
Isopropyl Acetate  
Concen: 5.920 ug/l  
RT: 6.342 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: VX026717.D  
Acq: 01 Feb 2022 19:11

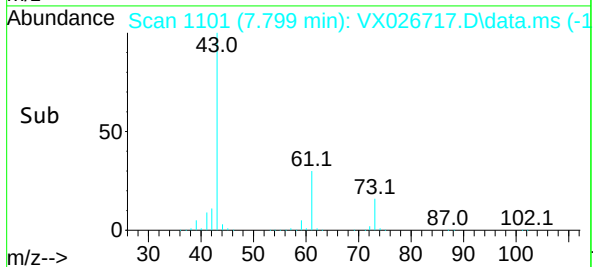
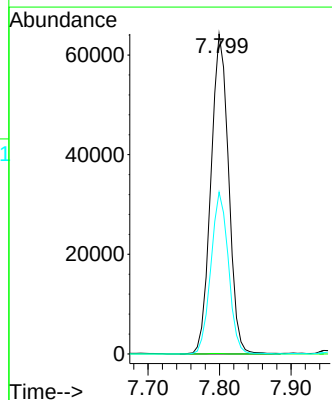
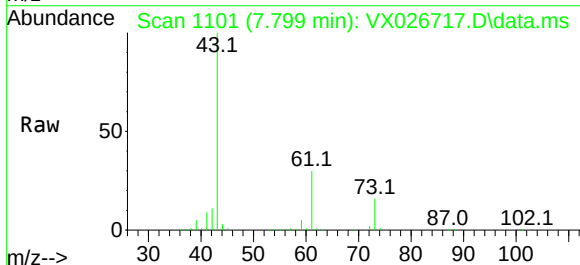
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB142403ZHE#10

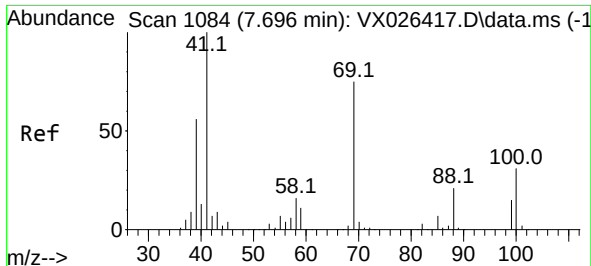
Tgt Ion: 43 Resp: 21779  
Ion Ratio Lower Upper  
43 100  
61 19.6 15.4 23.0  
87 13.2 10.2 15.2



#48  
Methyl methacrylate  
Concen: 60.603 ug/l  
RT: 7.799 min Scan# 1101  
Delta R.T. 0.104 min  
Lab File: VX026717.D  
Acq: 01 Feb 2022 19:11

Tgt Ion: 41 Resp: 110492  
Ion Ratio Lower Upper  
41 100  
69 0.1 62.2 93.4#  
39 50.0 45.4 68.0





#49

1,4-Dioxane

Concen: 6.317 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX026717.D

Acq: 01 Feb 2022 19:11

Instrument :

MSVOA\_X

ClientSampleId :

PB142403ZHE#10

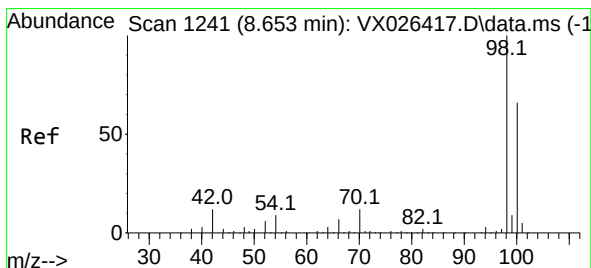
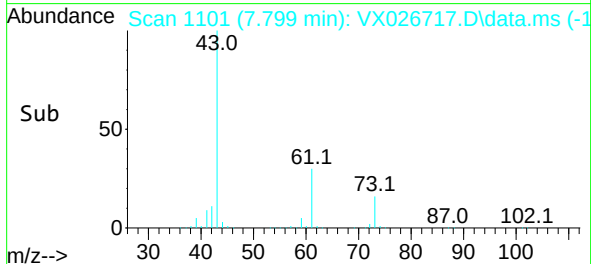
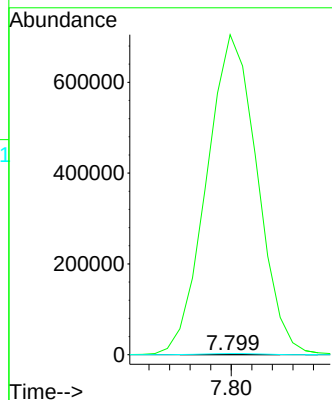
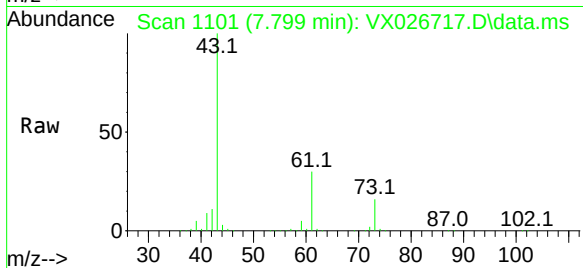
Tgt Ion: 88 Resp: 189

Ion Ratio Lower Upper

88 100

43 640867.2 29.9 44.9#

58 2503.2 57.8 86.6#



#50

Toluene-d8

Concen: 50.517 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX026717.D

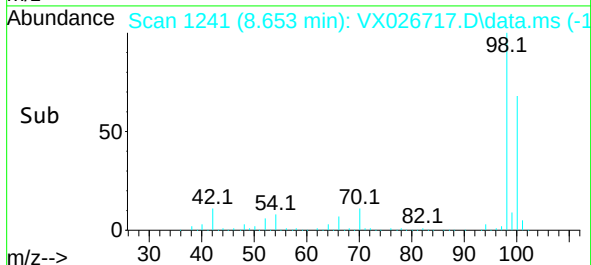
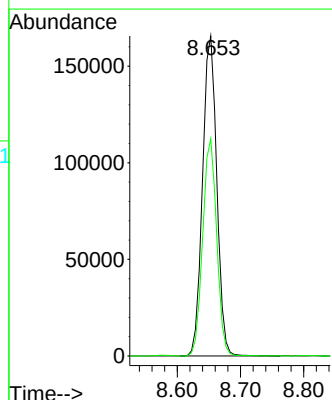
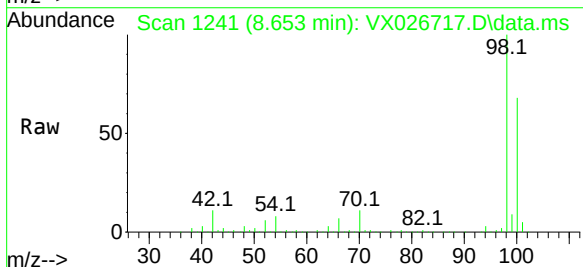
Acq: 01 Feb 2022 19:11

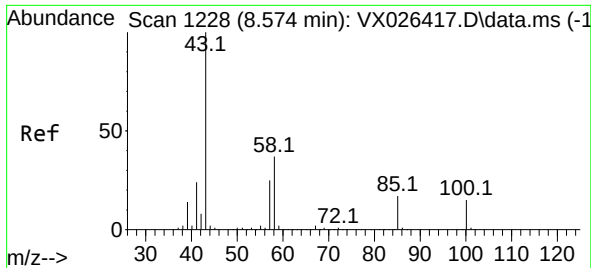
Tgt Ion: 98 Resp: 259626

Ion Ratio Lower Upper

98 100

100 66.8 53.2 79.8

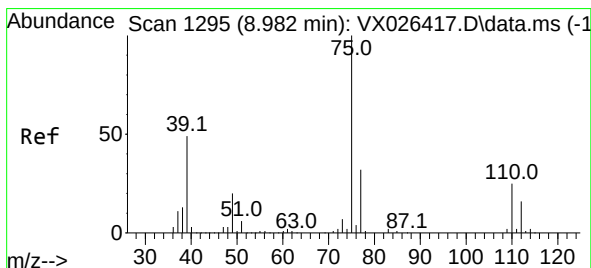
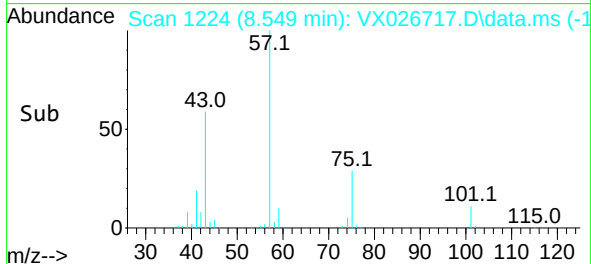
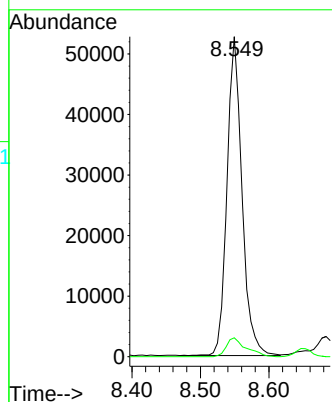
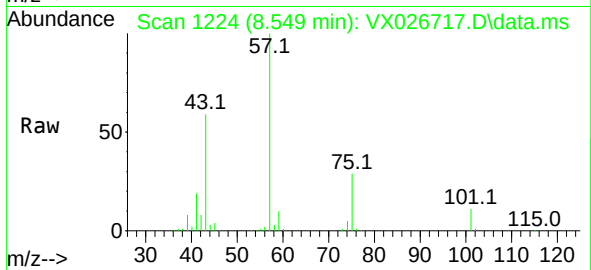




#51  
4-Methyl-2-Pentanone  
Concen: 36.547 ug/l  
RT: 8.549 min Scan# 11  
Delta R.T. -0.024 min  
Lab File: VX026717.D  
Acq: 01 Feb 2022 19:11

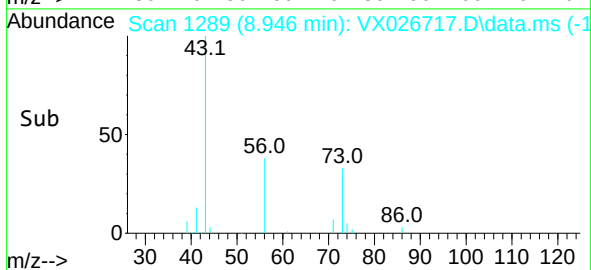
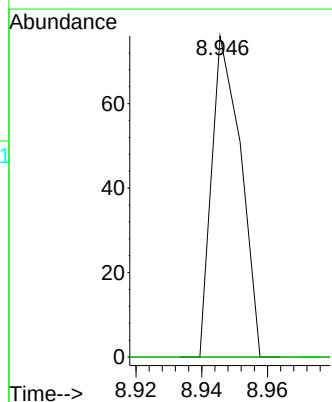
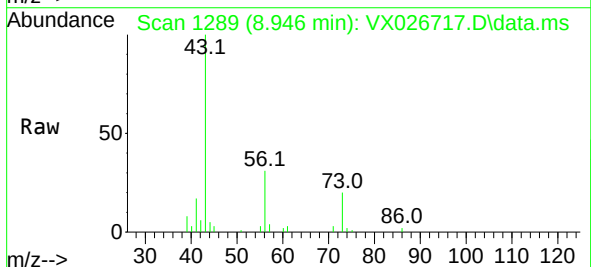
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB142403ZHE#10

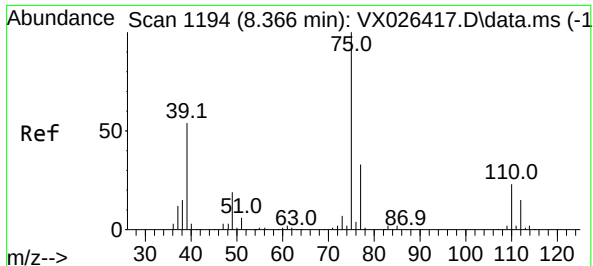
Tgt Ion: 43 Resp: 79749  
Ion Ratio Lower Upper  
43 100  
58 7.8 30.5 45.7#



#53  
t-1,3-Dichloropropene  
Concen: 1.897 ug/l  
RT: 8.946 min Scan# 1289  
Delta R.T. -0.036 min  
Lab File: VX026717.D  
Acq: 01 Feb 2022 19:11

Tgt Ion: 75 Resp: 46  
Ion Ratio Lower Upper  
75 100  
77 0.0 25.7 38.5#

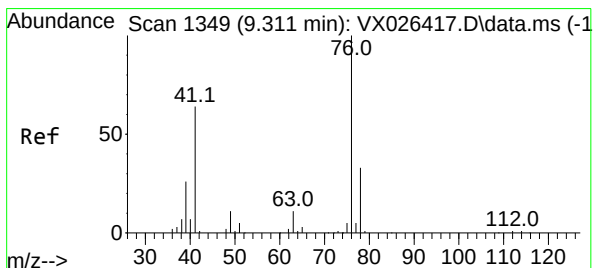
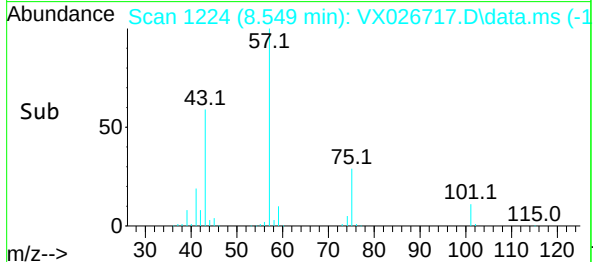
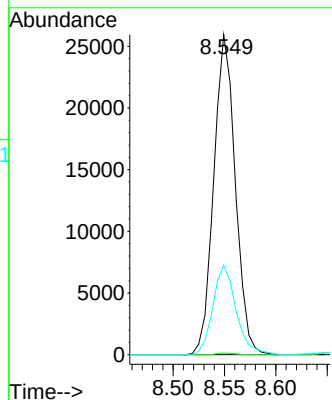
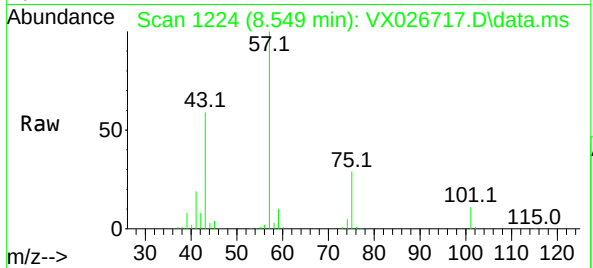




#54  
 cis-1,3-Dichloropropene  
 Concen: 15.878 ug/l  
 RT: 8.549 min Scan# 1194  
 Delta R.T. 0.183 min  
 Lab File: VX026717.D  
 Acq: 01 Feb 2022 19:11

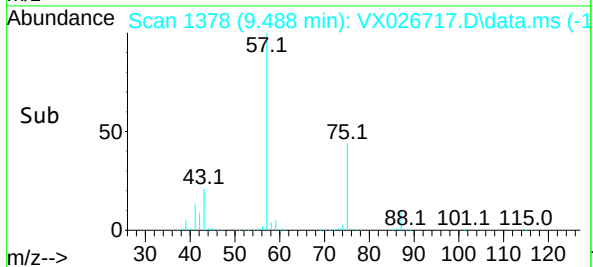
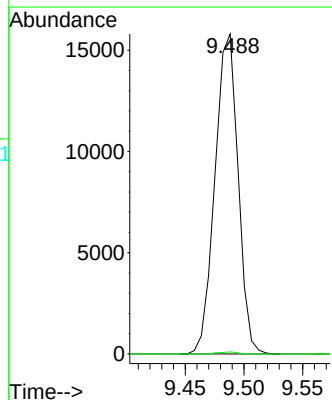
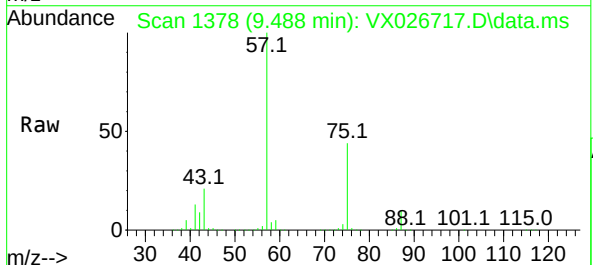
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB142403ZHE#10

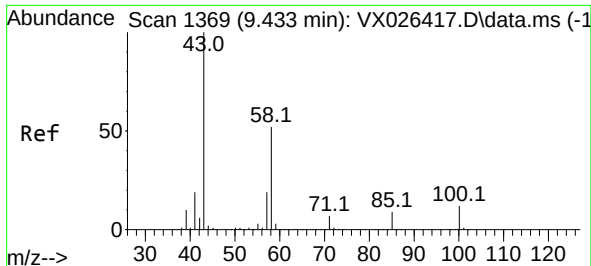
Tgt Ion: 75 Resp: 37730  
 Ion Ratio Lower Upper  
 75 100  
 77 0.5 26.2 39.2#  
 39 27.9 43.5 65.3#



#57  
 1,3-Dichloropropane  
 Concen: 8.380 ug/l  
 RT: 9.488 min Scan# 1378  
 Delta R.T. 0.177 min  
 Lab File: VX026717.D  
 Acq: 01 Feb 2022 19:11

Tgt Ion: 76 Resp: 21635  
 Ion Ratio Lower Upper  
 76 100  
 78 0.5 25.7 38.5#





#59

2-Hexanone

Concen: 179.534 ug/l

RT: 9.488 min Scan# 11

Delta R.T. 0.055 min

Lab File: VX026717.D

Acq: 01 Feb 2022 19:11

Instrument :

MSVOA\_X

ClientSampleId :

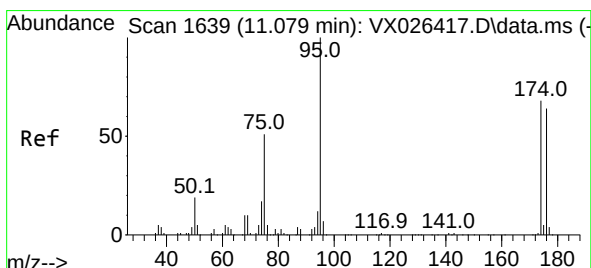
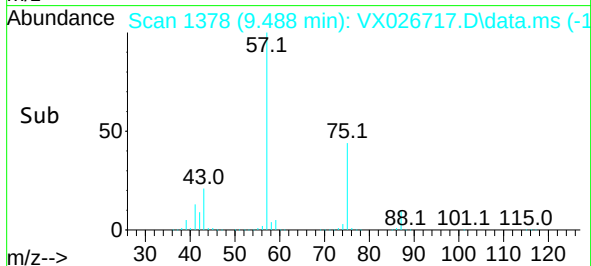
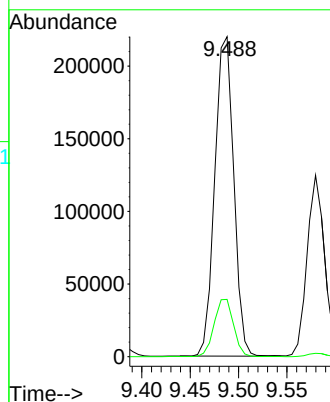
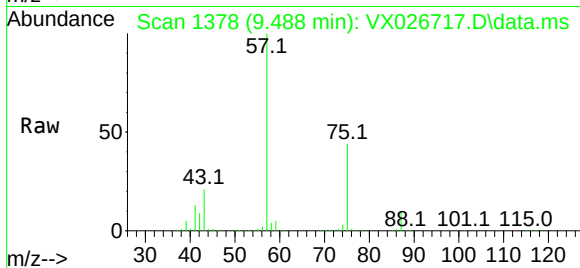
PB142403ZHE#10

Tgt Ion: 43 Resp: 299845

Ion Ratio Lower Upper

43 100

58 18.4 26.4 79.2#



#62

4-Bromofluorobenzene

Concen: 51.929 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX026717.D

Acq: 01 Feb 2022 19:11

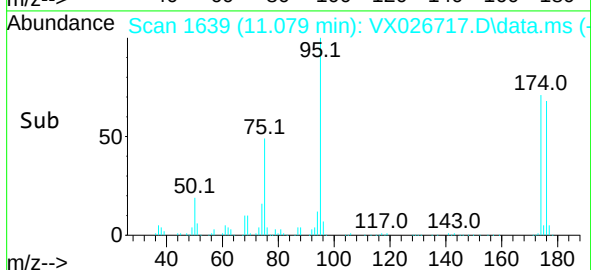
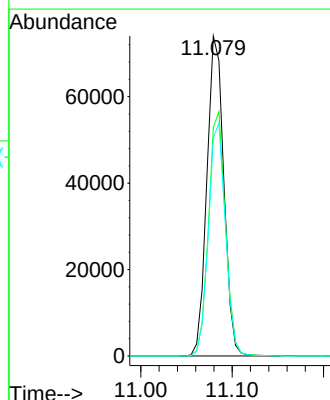
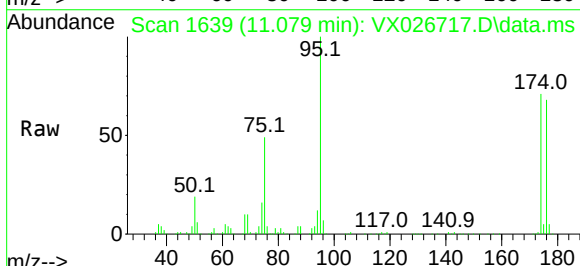
Tgt Ion: 95 Resp: 94806

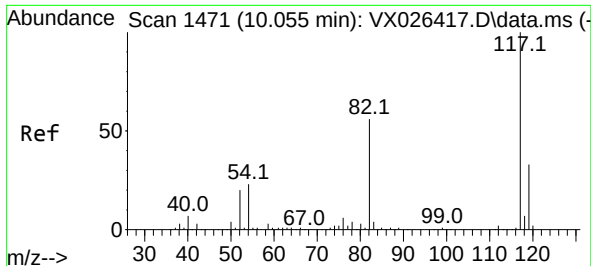
Ion Ratio Lower Upper

95 100

174 76.6 0.0 148.6

176 73.0 0.0 141.4

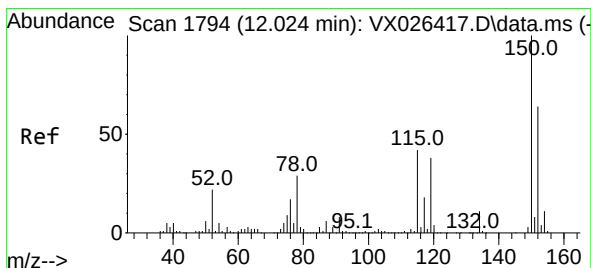
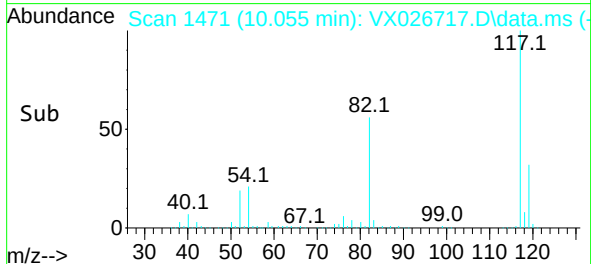
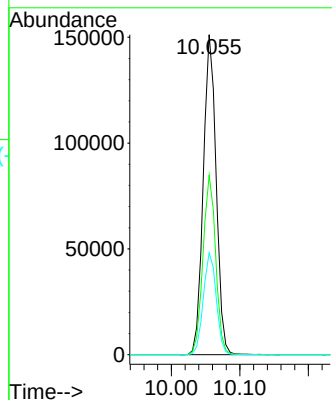
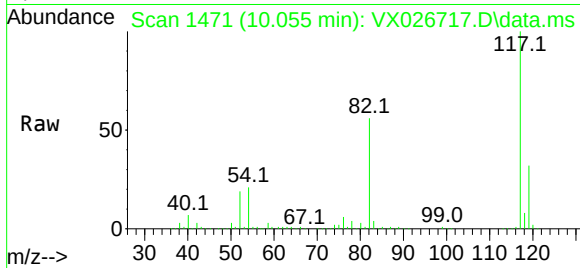




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX026717.D  
Acq: 01 Feb 2022 19:11

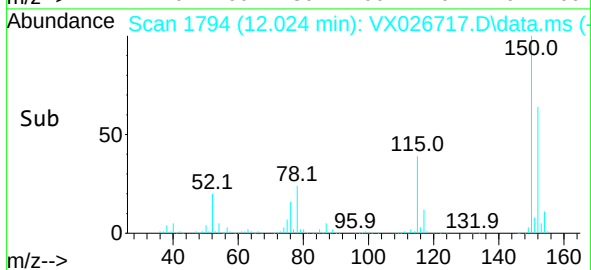
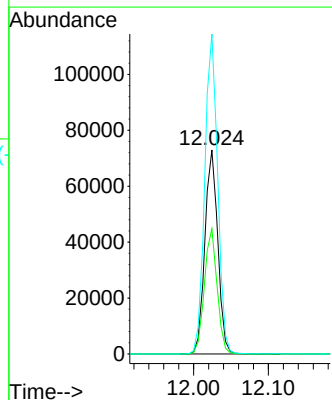
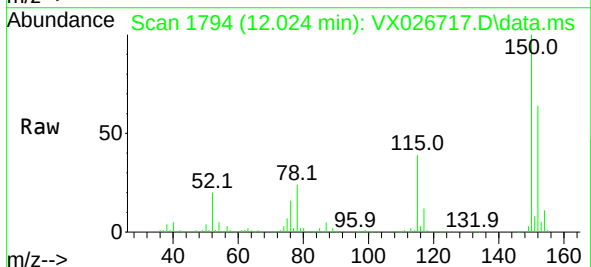
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB142403ZHE#10

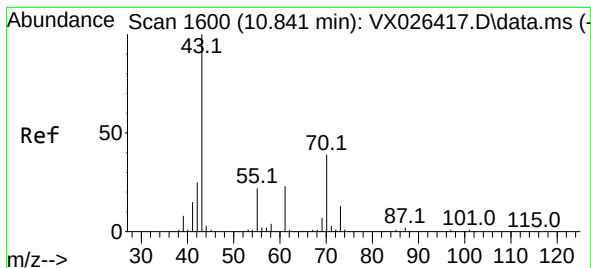
Tgt Ion:117 Resp: 198072  
Ion Ratio Lower Upper  
117 100  
82 56.1 45.2 67.8  
119 31.9 26.2 39.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX026717.D  
Acq: 01 Feb 2022 19:11

Tgt Ion:152 Resp: 87464  
Ion Ratio Lower Upper  
152 100  
115 60.3 44.2 132.6  
150 156.5 0.0 348.2





#74

N-amy1 acetate

Concen: 5.571 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX026717.D

Acq: 01 Feb 2022 19:11

Instrument :

MSVOA\_X

ClientSampleId :

PB142403ZHE#10

Tgt Ion: 43 Resp: 15420

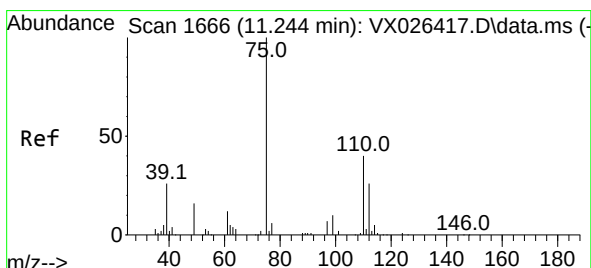
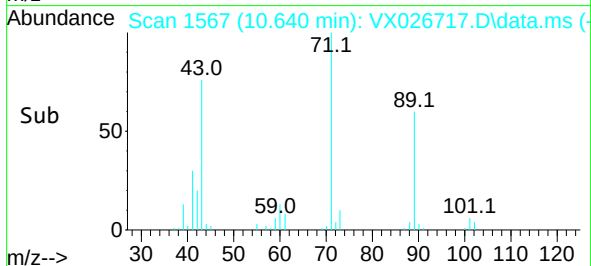
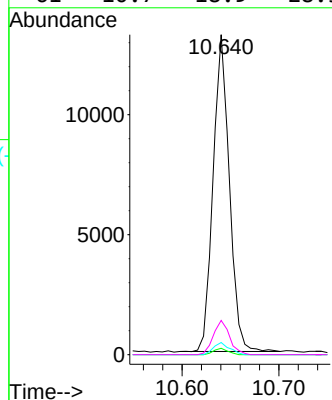
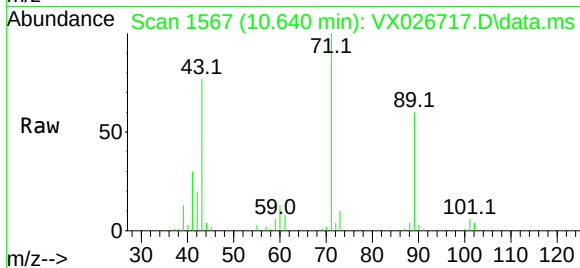
Ion Ratio Lower Upper

43 100

70 1.8 32.9 49.3#

55 3.8 18.3 27.5#

61 10.7 18.9 28.3#



#76

1,2,3-Trichloropropane

Concen: 24.170 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX026717.D

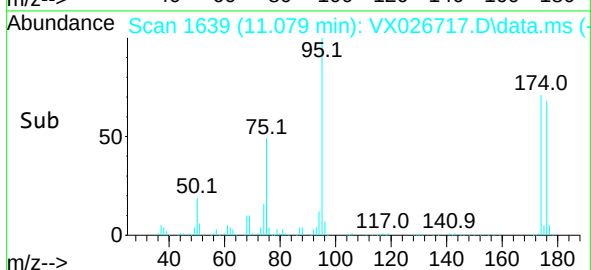
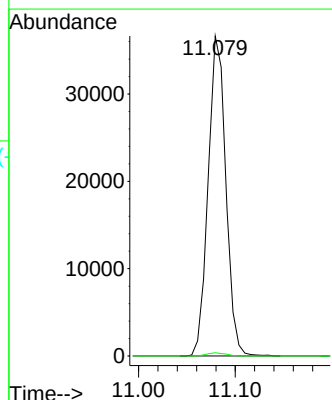
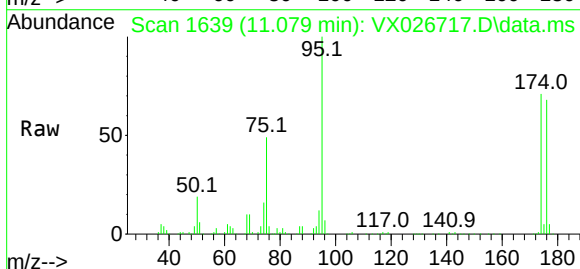
Acq: 01 Feb 2022 19:11

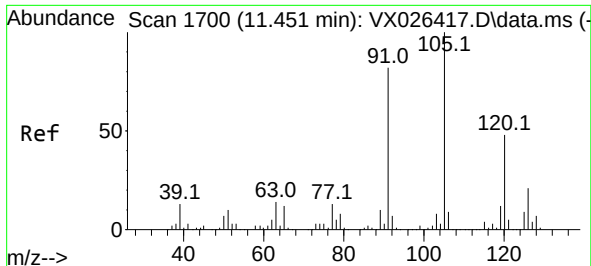
Tgt Ion: 75 Resp: 46545

Ion Ratio Lower Upper

75 100

77 1.0 18.3 54.8#

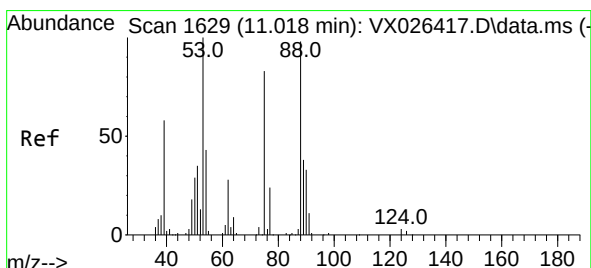
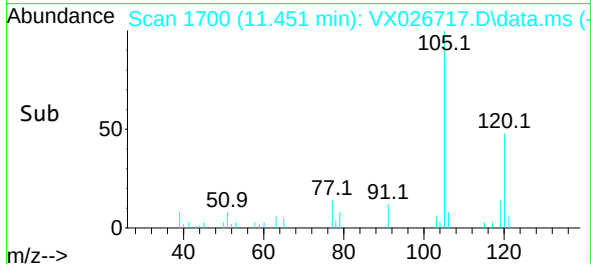
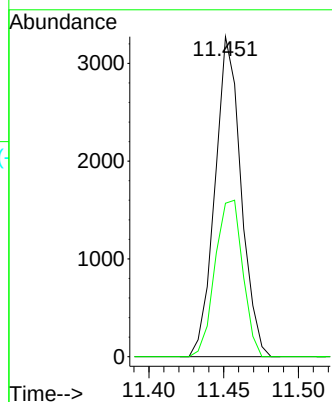
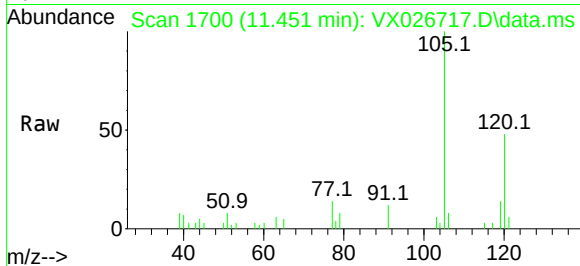




#80  
1,3,5-Trimethylbenzene  
Concen: 0.670 ug/l  
RT: 11.451 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX026717.D  
Acq: 01 Feb 2022 19:11

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB142403ZHE#10

Tgt Ion:105 Resp: 3961  
Ion Ratio Lower Upper  
105 100  
120 51.9 24.0 72.0



#81  
trans-1,4-Dichloro-2-butene  
Concen: 73.631 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX026717.D  
Acq: 01 Feb 2022 19:11

Tgt Ion: 75 Resp: 46545  
Ion Ratio Lower Upper  
75 100  
53 0.0 94.0 141.0#  
89 0.0 37.0 55.4#

