

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX020222\  
 Data File : VX026747.D  
 Acq On : 02 Feb 2022 19:16  
 Operator : JC/MD  
 Sample : PB142421ZHE#06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB142421ZHE#06

Quant Time: Feb 03 03:09:12 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

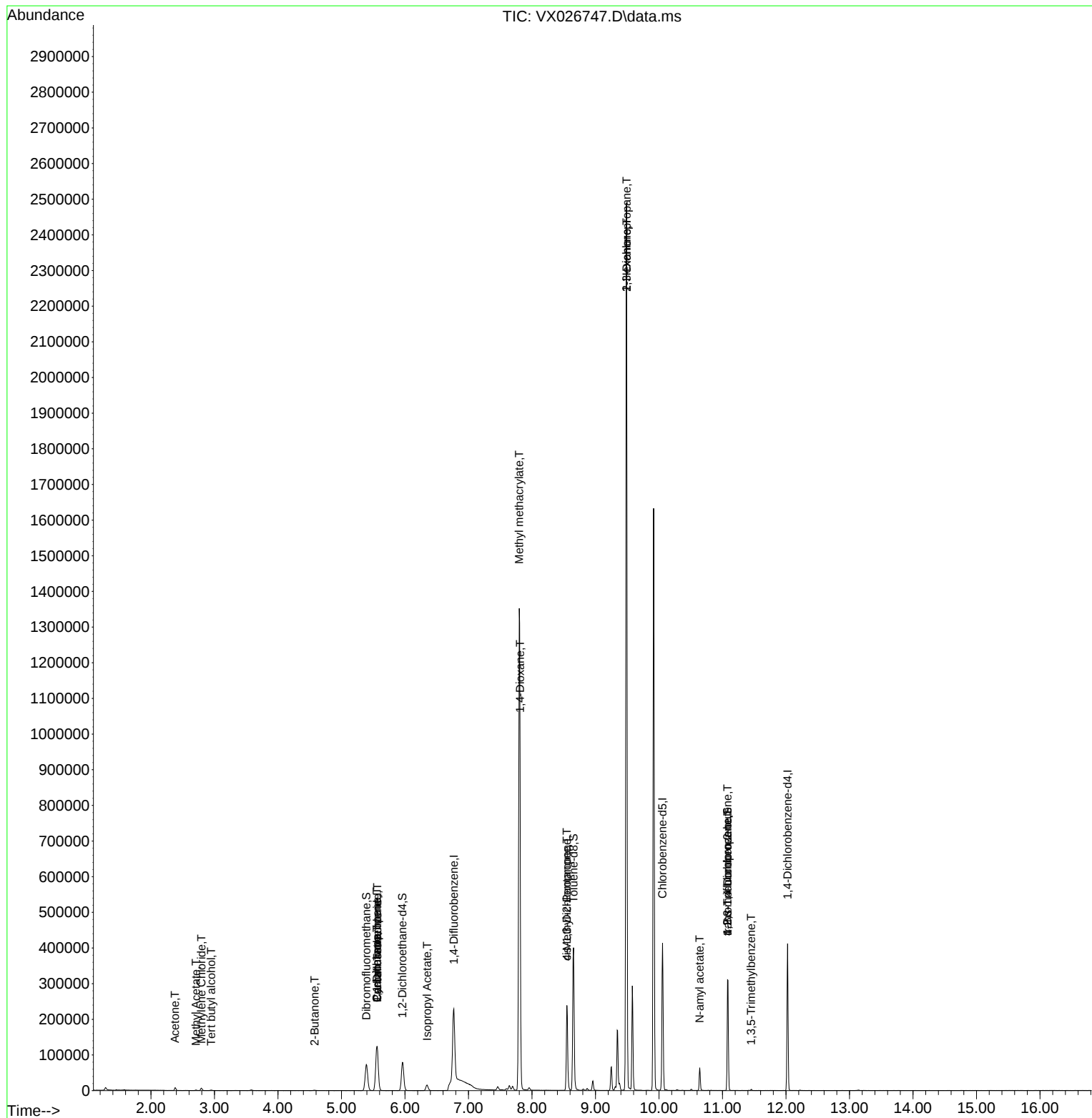
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.562  | 168   | 121316   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114   | 205073   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 182871   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 81234    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 77584    | 45.781   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 91.560%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 63808    | 48.183   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 96.360%  |
| 50) Toluene-d8                | 8.653  | 98    | 238619   | 50.002   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 100.000% |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 87713    | 51.740   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 103.480% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol        | 2.947  | 59    | 997      | 4.229    | ug/l # | 75       |
| 16) Acetone                   | 2.380  | 43    | 8947     | 10.353   | ug/l # | 89       |
| 18) Methyl Acetate            | 2.709  | 43    | 2383     | 1.387    | ug/l   | 92       |
| 20) Methylene Chloride        | 2.794  | 84    | 2981     | 2.088    | ug/l   | 96       |
| 25) 2-Butanone                | 4.574  | 43    | 1707     | 1.519    | ug/l # | 90       |
| 31) Cyclohexane               | 5.556  | 56    | 2410     | 0.964    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 9083     | 4.345    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.562  | 117   | 11973    | 5.568    | ug/l # | 17       |
| 43) Isopropyl Acetate         | 6.349  | 43    | 22116    | 6.474    | ug/l   | 100      |
| 48) Methyl methacrylate       | 7.799  | 41    | 113570   | 67.084   | ug/l # | 45       |
| 49) 1,4-Dioxane               | 7.812  | 88    | 158      | 5.687    | ug/l # | 1        |
| 51) 4-Methyl-2-Pentanone      | 8.549  | 43    | 78534    | 38.759   | ug/l # | 50       |
| 54) cis-1,3-Dichloropropene   | 8.549  | 75    | 37649    | 17.062   | ug/l # | 55       |
| 57) 1,3-Dichloropropane       | 9.488  | 76    | 21793    | 9.090    | ug/l # | 43       |
| 59) 2-Hexanone                | 9.488  | 43    | 299644   | 193.217  | ug/l # | 51       |
| 74) N-amyl acetate            | 10.640 | 43    | 14868    | 5.784    | ug/l # | 53       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 43332    | 24.227   | ug/l # | 40       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105   | 1678     | 0.306    | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 43332    | 73.794   | ug/l # | 3        |

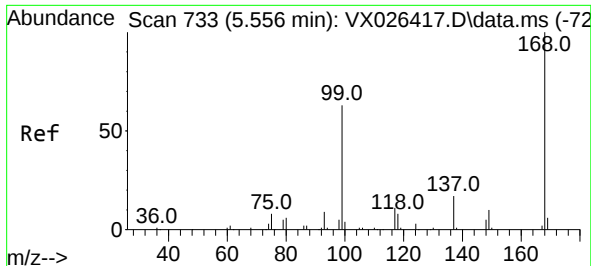
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX020222\  
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Sample : PB142421ZHE#06  
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Instrument :  
MSVOA\_X  
ClientSampleId :  
PB142421ZHE#06

Quant Time: Feb 03 03:09:12 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

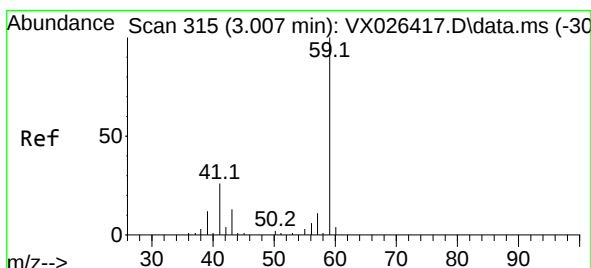
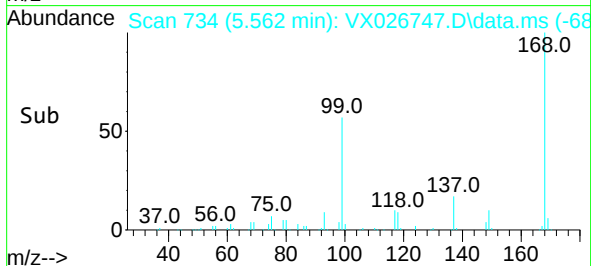
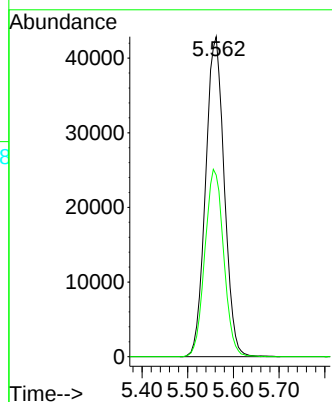
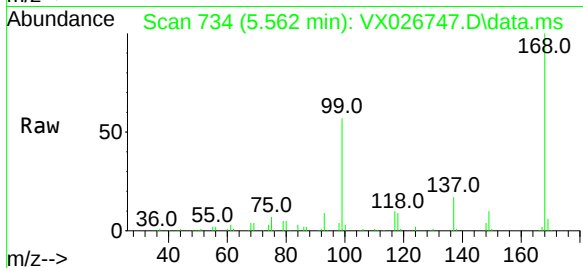




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX026747.D  
Acq: 02 Feb 2022 19:16

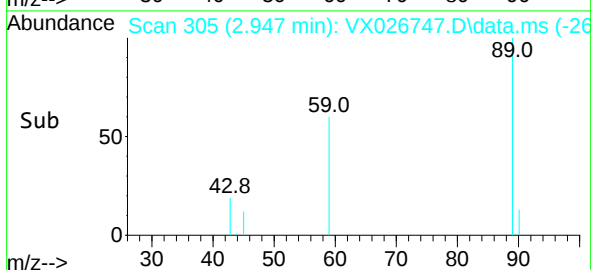
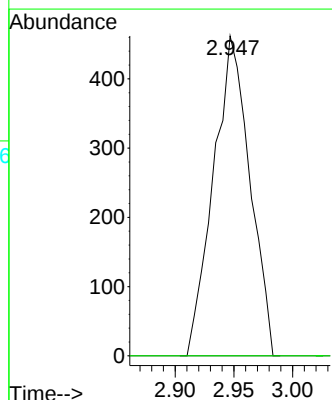
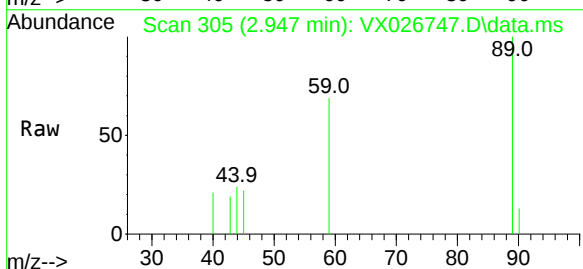
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB142421ZHE#06

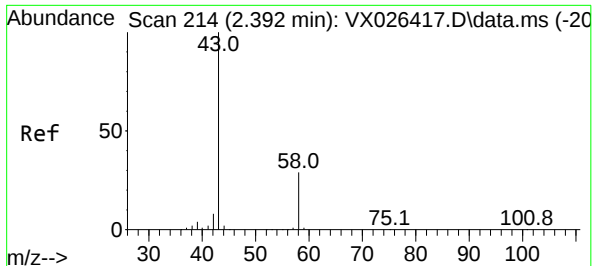
Tgt Ion:168 Resp: 121316  
Ion Ratio Lower Upper  
168 100  
99 56.8 50.3 75.5



#11  
Tert butyl alcohol  
Concen: 4.229 ug/l  
RT: 2.947 min Scan# 305  
Delta R.T. -0.060 min  
Lab File: VX026747.D  
Acq: 02 Feb 2022 19:16

Tgt Ion: 59 Resp: 997  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.2 10.8#

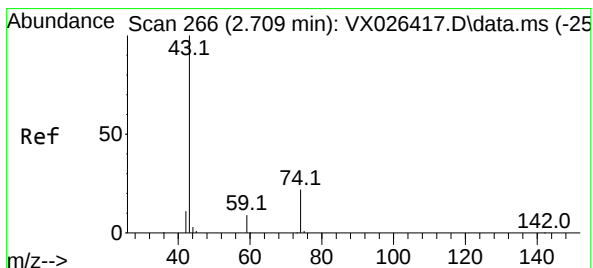
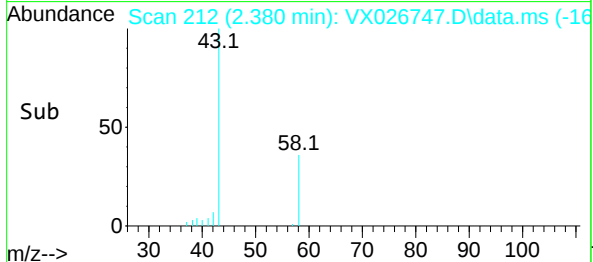
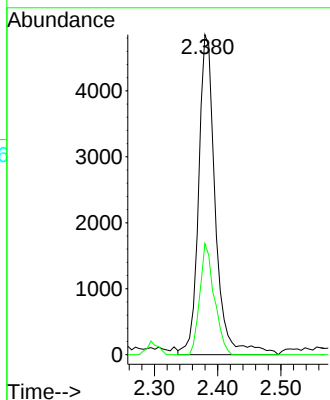
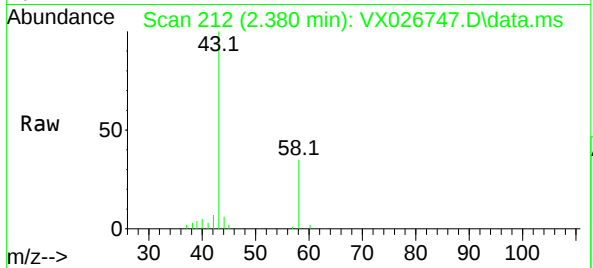




#16  
Acetone  
Concen: 10.353 ug/l  
RT: 2.380 min Scan# 214  
Delta R.T. -0.012 min  
Lab File: VX026747.D  
Acq: 02 Feb 2022 19:16

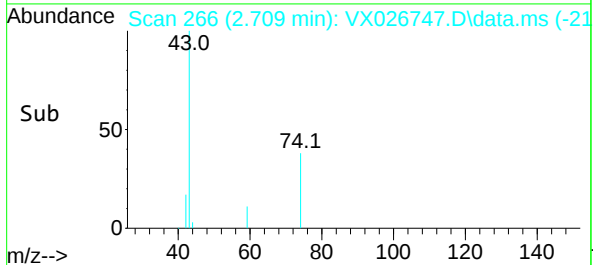
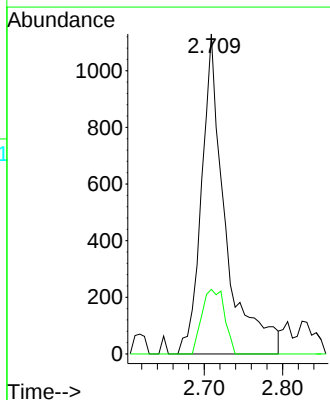
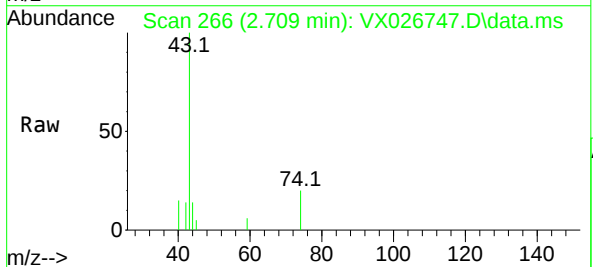
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB142421ZHE#06

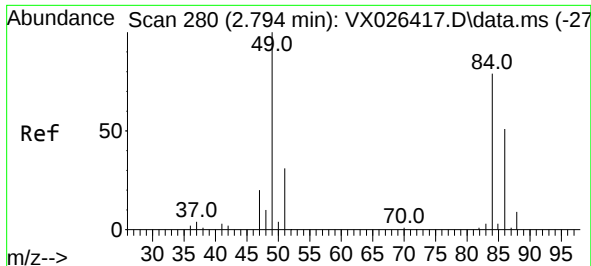
Tgt Ion: 43 Resp: 8947  
Ion Ratio Lower Upper  
43 100  
58 34.7 23.0 34.6#



#18  
Methyl Acetate  
Concen: 1.387 ug/l  
RT: 2.709 min Scan# 266  
Delta R.T. 0.000 min  
Lab File: VX026747.D  
Acq: 02 Feb 2022 19:16

Tgt Ion: 43 Resp: 2383  
Ion Ratio Lower Upper  
43 100  
74 19.2 18.3 27.5





#20

Methylene Chloride

Concen: 2.088 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX026747.D

Acq: 02 Feb 2022 19:16

Instrument :

MSVOA\_X

ClientSampleId :

PB142421ZHE#06

Tgt Ion: 84 Resp: 2981

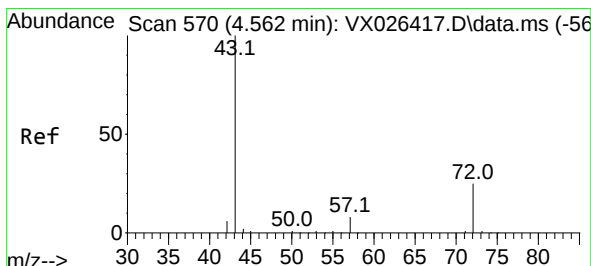
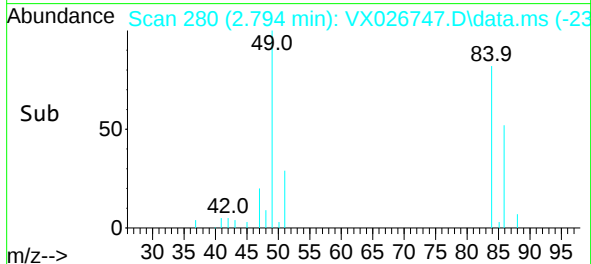
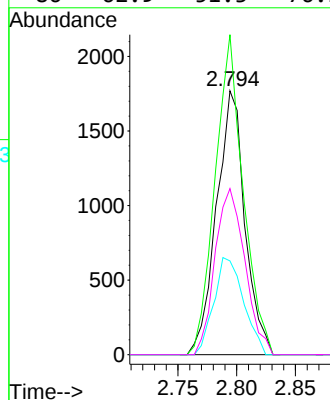
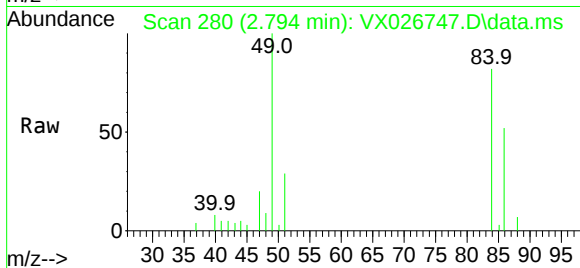
Ion Ratio Lower Upper

84 100

49 121.2 101.5 152.3

51 35.5 31.2 46.8

86 62.9 51.3 76.9



#25

2-Butanone

Concen: 1.519 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.012 min

Lab File: VX026747.D

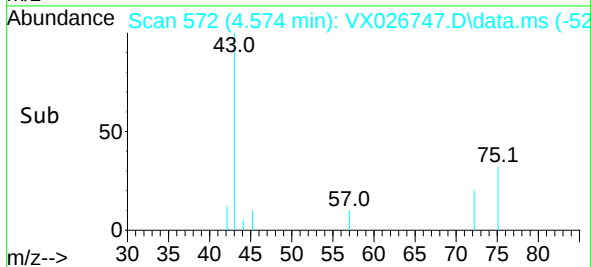
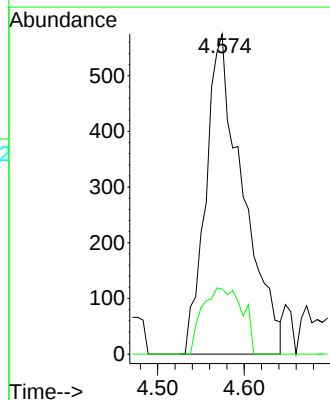
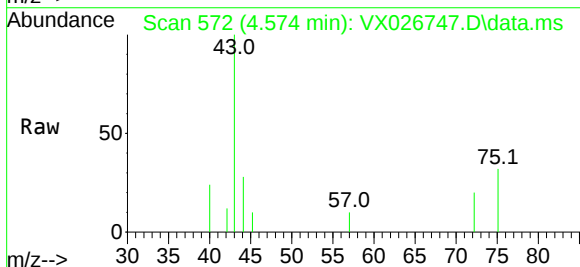
Acq: 02 Feb 2022 19:16

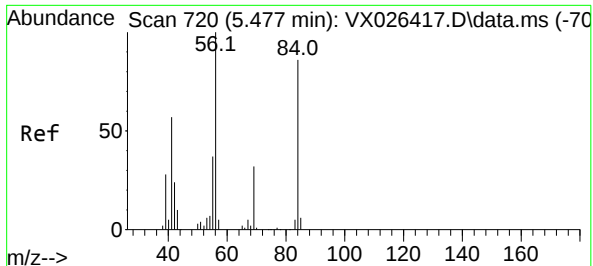
Tgt Ion: 43 Resp: 1707

Ion Ratio Lower Upper

43 100

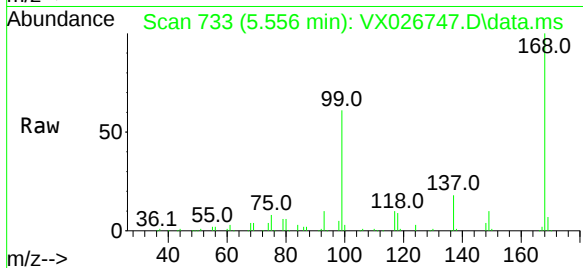
72 20.3 20.4 30.6#



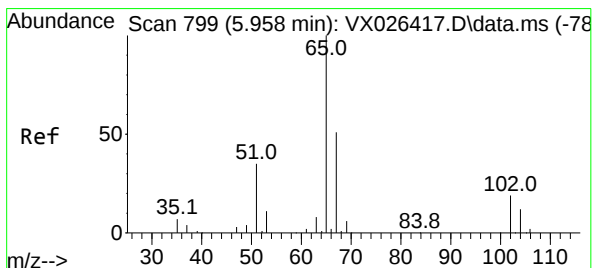
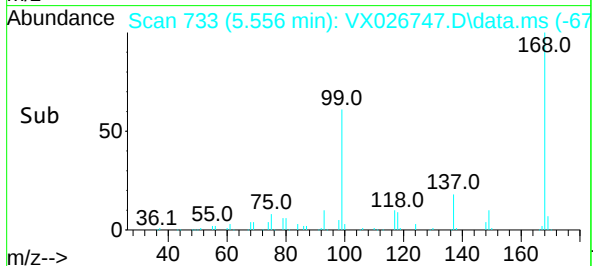
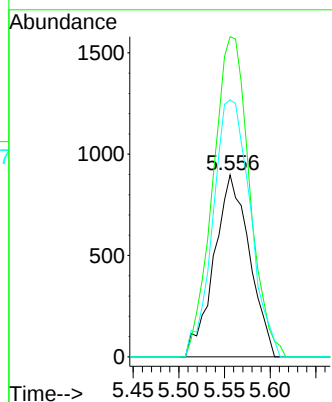


#31  
Cyclohexane  
Concen: 0.964 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.079 min  
Lab File: VX026747.D  
Acq: 02 Feb 2022 19:16

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB142421ZHE#06

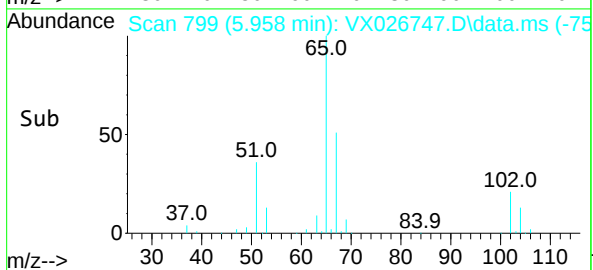
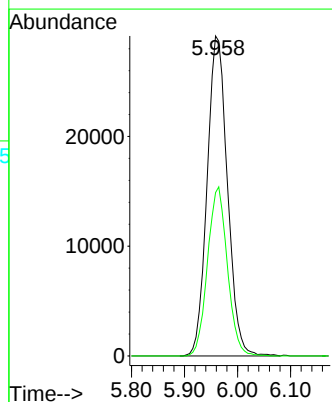
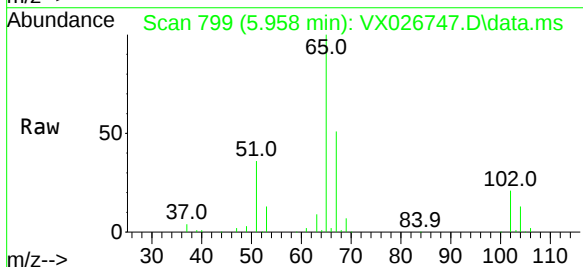


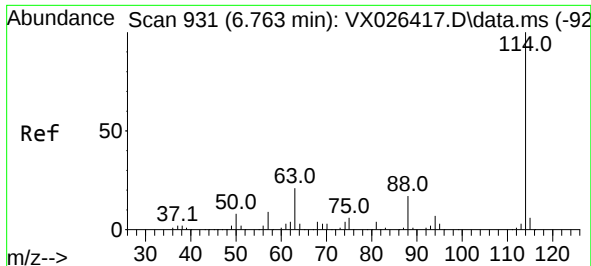
Tgt Ion: 56 Resp: 2410  
Ion Ratio Lower Upper  
56 100  
69 175.9 25.8 38.6#  
84 141.2 68.9 103.3#



#33  
1,2-Dichloroethane-d4  
Concen: 45.781 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX026747.D  
Acq: 02 Feb 2022 19:16

Tgt Ion: 65 Resp: 77584  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 100.8

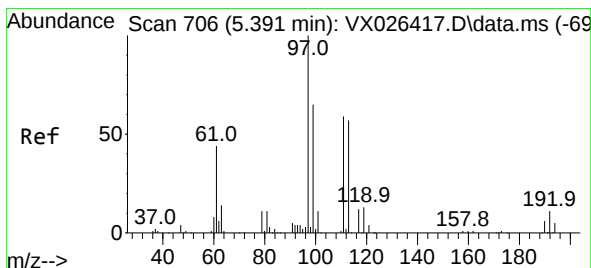
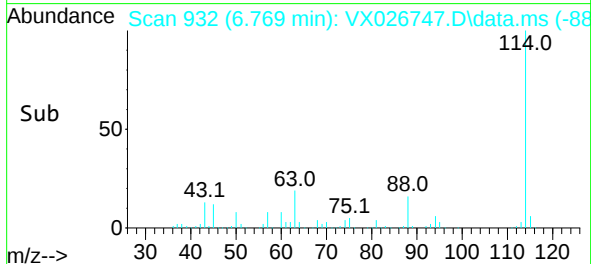
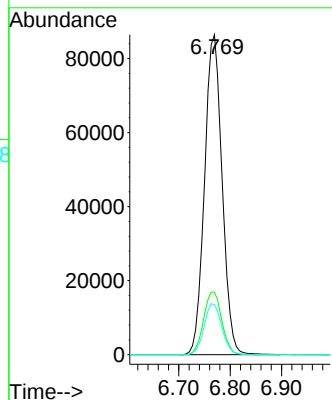
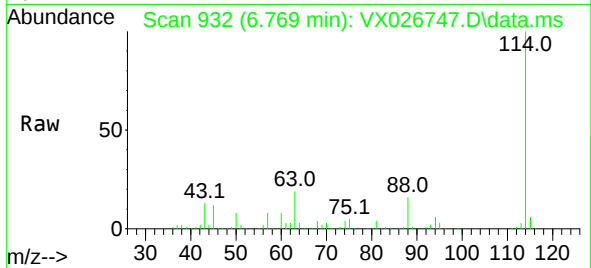




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 911  
Delta R.T. 0.006 min  
Lab File: VX026747.D  
Acq: 02 Feb 2022 19:16

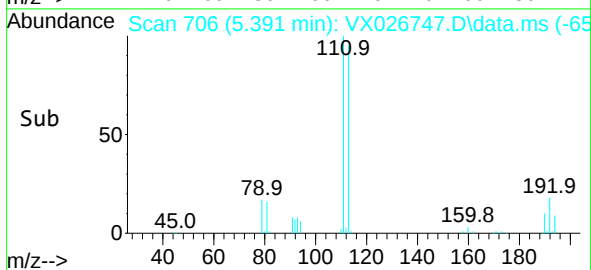
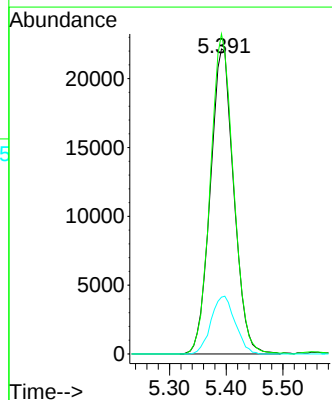
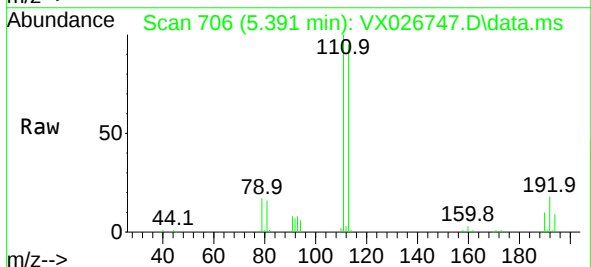
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB142421ZHE#06

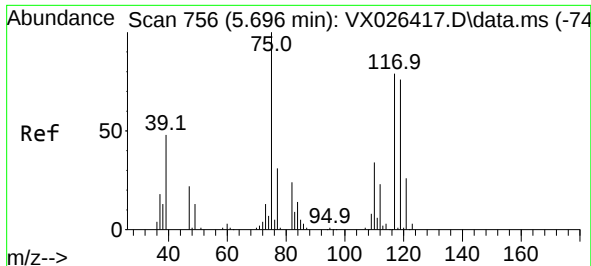
Tgt Ion:114 Resp: 205073  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 42.8  
88 15.7 0.0 33.0



#35  
Dibromofluoromethane  
Concen: 48.183 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX026747.D  
Acq: 02 Feb 2022 19:16

Tgt Ion:113 Resp: 63808  
Ion Ratio Lower Upper  
113 100  
111 103.2 81.2 121.8  
192 19.4 15.0 22.4

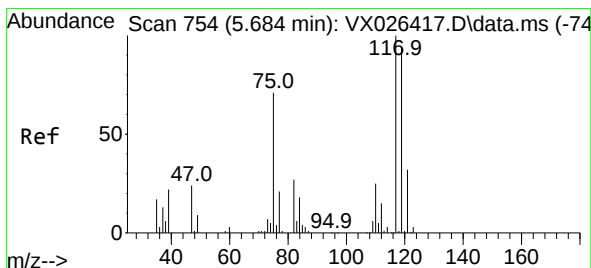
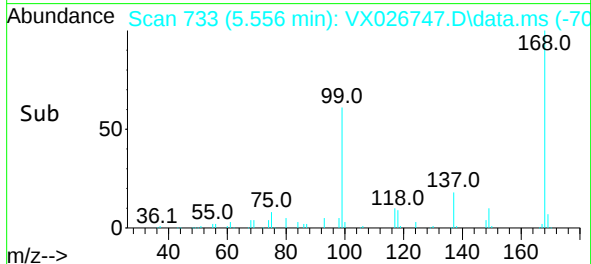
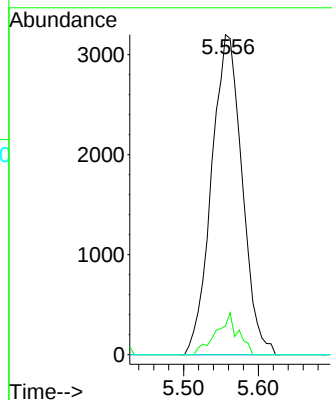
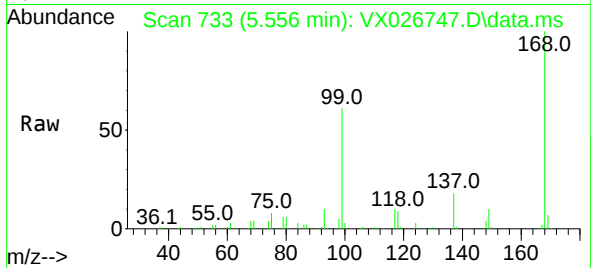




#36  
1,1-Dichloropropene  
Concen: 4.345 ug/l  
RT: 5.556 min Scan# 714  
Delta R.T. -0.140 min  
Lab File: VX026747.D  
Acq: 02 Feb 2022 19:16

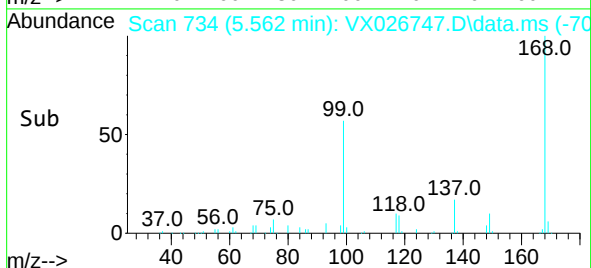
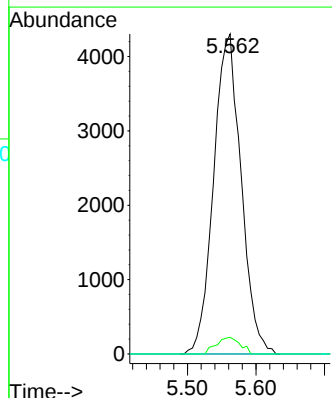
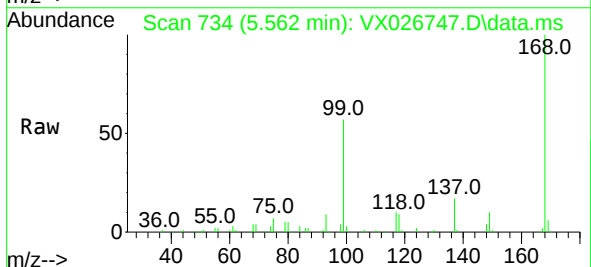
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB142421ZHE#06

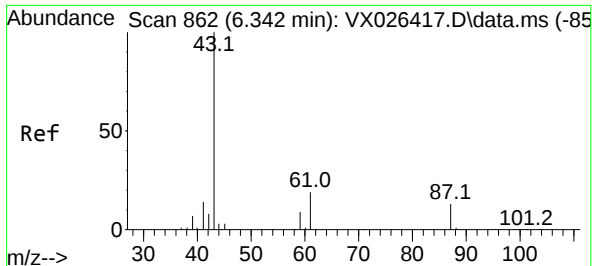
Tgt Ion: 75 Resp: 9083  
Ion Ratio Lower Upper  
75 100  
110 9.3 17.2 51.6#  
77 0.0 24.6 36.8#



#38  
Carbon Tetrachloride  
Concen: 5.568 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.122 min  
Lab File: VX026747.D  
Acq: 02 Feb 2022 19:16

Tgt Ion: 117 Resp: 11973  
Ion Ratio Lower Upper  
117 100  
119 5.2 74.7 112.1#  
121 0.0 25.4 38.0#

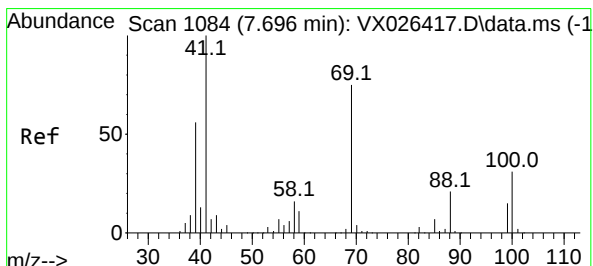
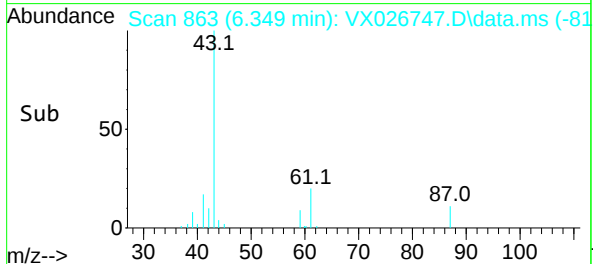
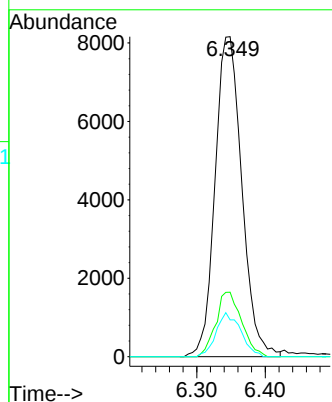
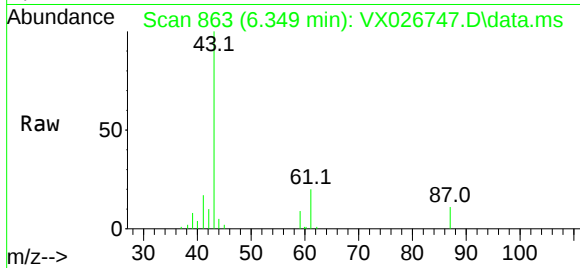




#43  
Isopropyl Acetate  
Concen: 6.474 ug/l  
RT: 6.349 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: VX026747.D  
Acq: 02 Feb 2022 19:16

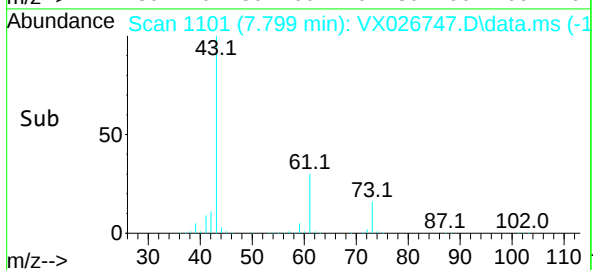
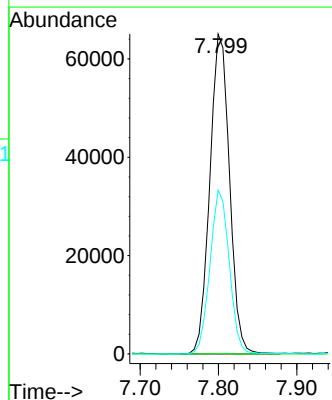
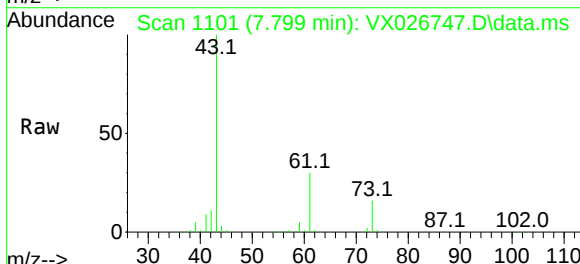
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB142421ZHE#06

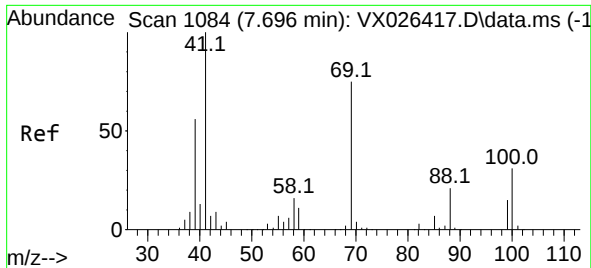
Tgt Ion: 43 Resp: 22116  
Ion Ratio Lower Upper  
43 100  
61 19.4 15.4 23.0  
87 12.6 10.2 15.2



#48  
Methyl methacrylate  
Concen: 67.084 ug/l  
RT: 7.799 min Scan# 1101  
Delta R.T. 0.104 min  
Lab File: VX026747.D  
Acq: 02 Feb 2022 19:16

Tgt Ion: 41 Resp: 113570  
Ion Ratio Lower Upper  
41 100  
69 0.1 62.2 93.4#  
39 50.3 45.4 68.0





#49

1,4-Dioxane

Concen: 5.687 ug/l

RT: 7.812 min Scan# 1103

Delta R.T. 0.116 min

Lab File: VX026747.D

Acq: 02 Feb 2022 19:16

Instrument :

MSVOA\_X

ClientSampleId :

PB142421ZHE#06

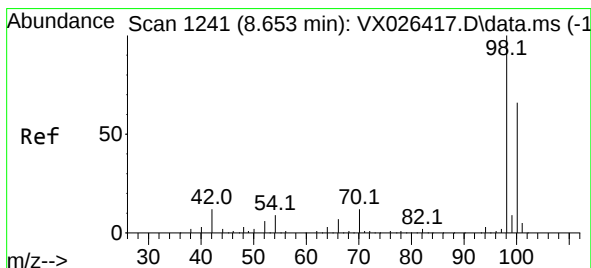
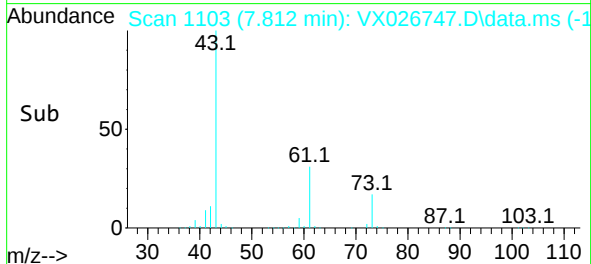
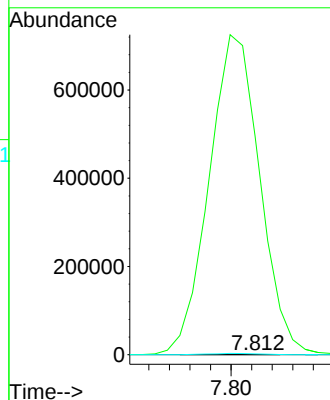
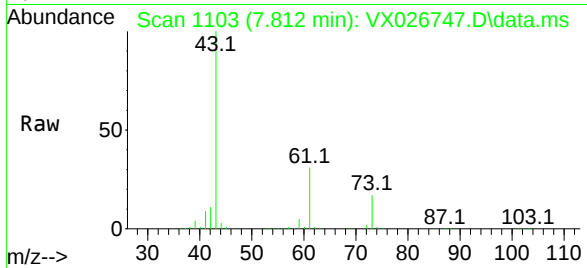
Tgt Ion: 88 Resp: 158

Ion Ratio Lower Upper

88 100

43 790738.0 29.9 44.9#

58 2962.7 57.8 86.6#



#50

Toluene-d8

Concen: 50.002 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX026747.D

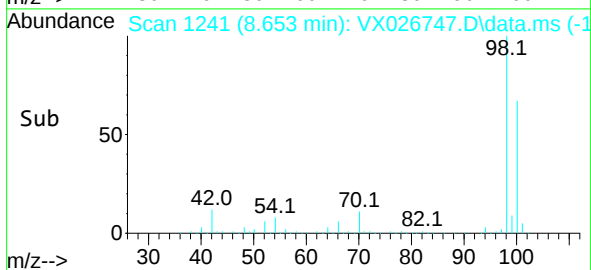
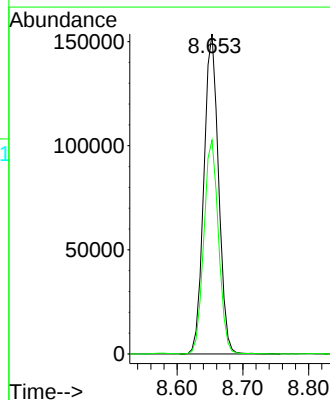
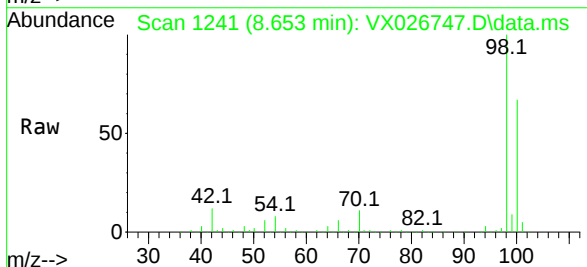
Acq: 02 Feb 2022 19:16

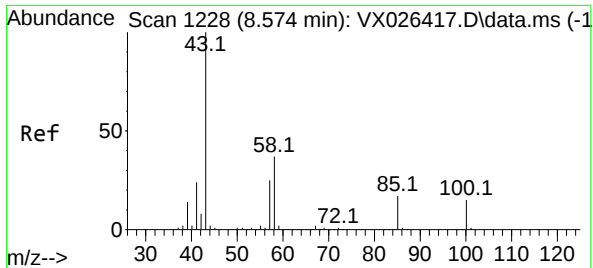
Tgt Ion: 98 Resp: 238619

Ion Ratio Lower Upper

98 100

100 67.0 53.2 79.8

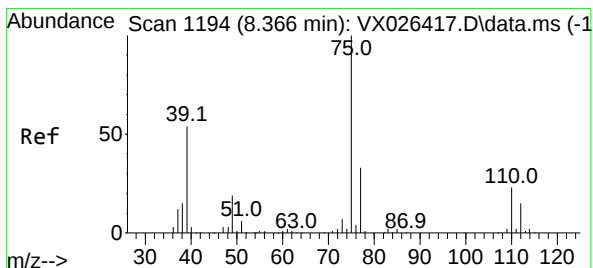
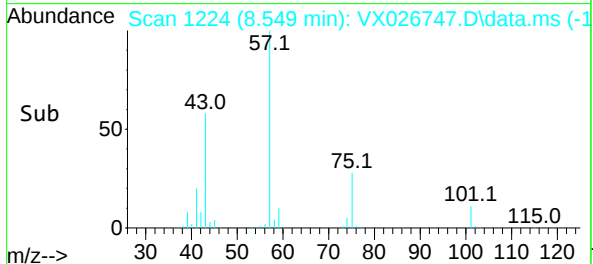
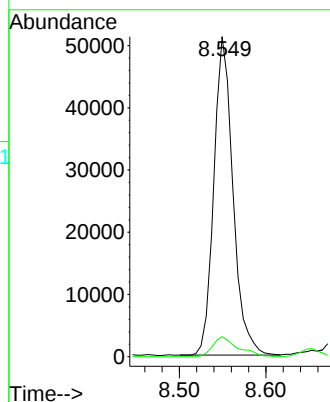
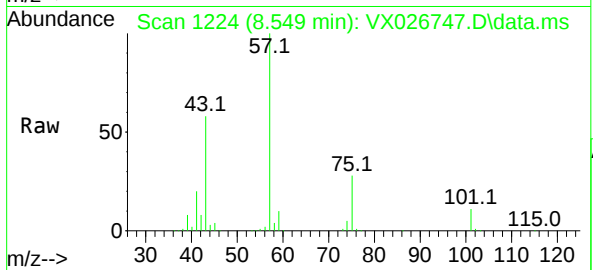




#51  
4-Methyl-2-Pentanone  
Concen: 38.759 ug/l  
RT: 8.549 min Scan# 11  
Delta R.T. -0.024 min  
Lab File: VX026747.D  
Acq: 02 Feb 2022 19:16

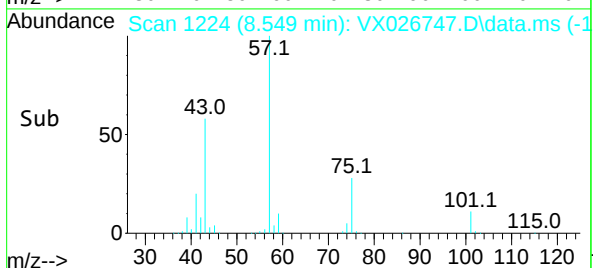
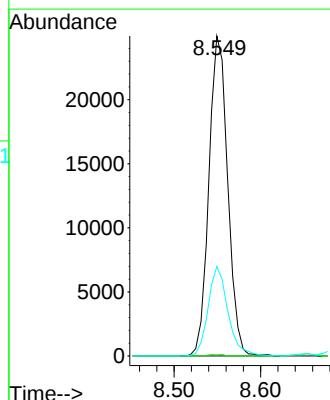
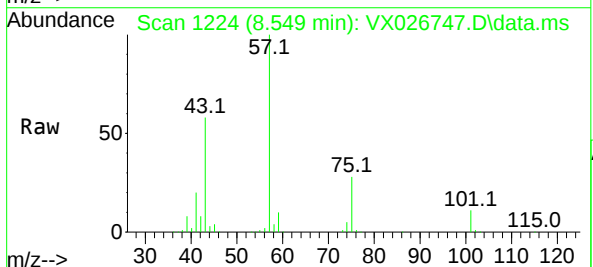
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB142421ZHE#06

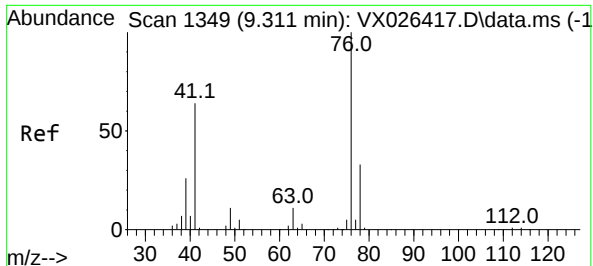
Tgt Ion: 43 Resp: 78534  
Ion Ratio Lower Upper  
43 100  
58 8.1 30.5 45.7#



#54  
cis-1,3-Dichloropropene  
Concen: 17.062 ug/l  
RT: 8.549 min Scan# 1224  
Delta R.T. 0.183 min  
Lab File: VX026747.D  
Acq: 02 Feb 2022 19:16

Tgt Ion: 75 Resp: 37649  
Ion Ratio Lower Upper  
75 100  
77 0.4 26.2 39.2#  
39 28.0 43.5 65.3#





#57

1,3-Dichloropropane

Concen: 9.090 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.177 min

Lab File: VX026747.D

Acq: 02 Feb 2022 19:16

Instrument :

MSVOA\_X

ClientSampleId :

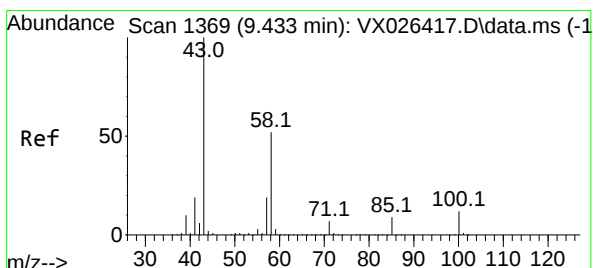
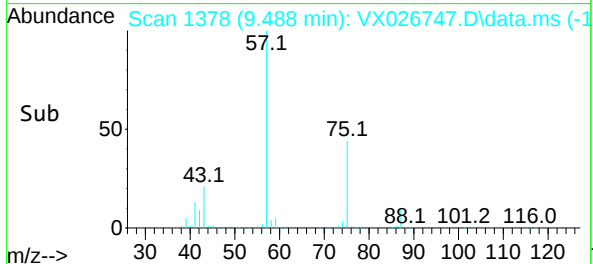
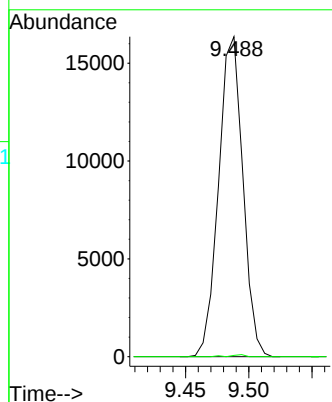
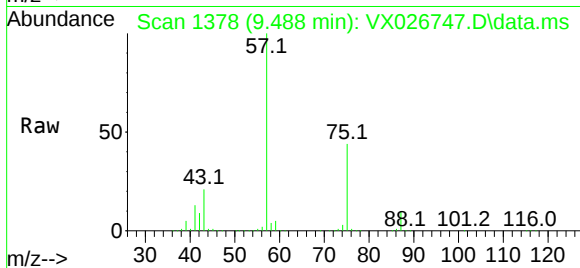
PB142421ZHE#06

Tgt Ion: 76 Resp: 21793

Ion Ratio Lower Upper

76 100

78 0.4 25.7 38.5#



#59

2-Hexanone

Concen: 193.217 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX026747.D

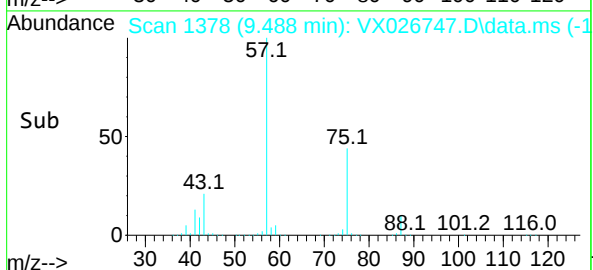
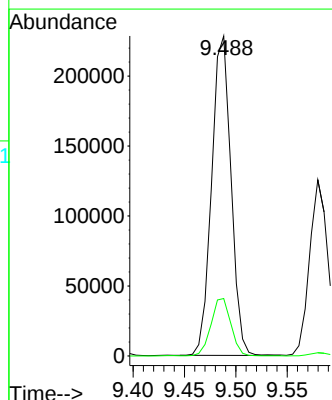
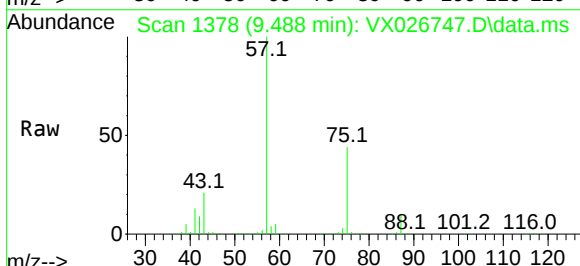
Acq: 02 Feb 2022 19:16

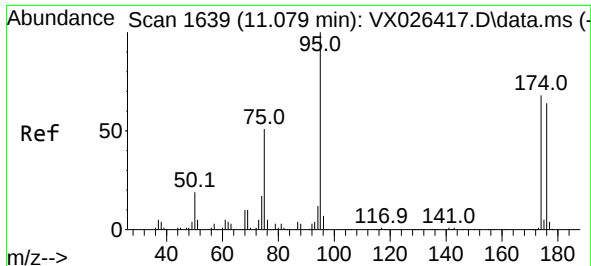
Tgt Ion: 43 Resp: 299644

Ion Ratio Lower Upper

43 100

58 18.5 26.4 79.2#

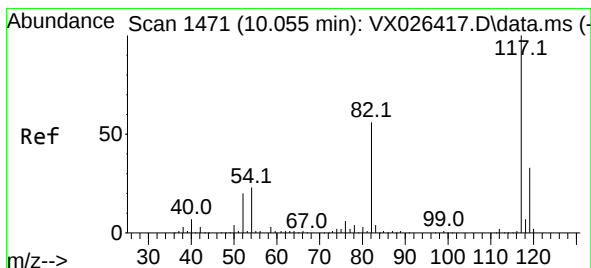
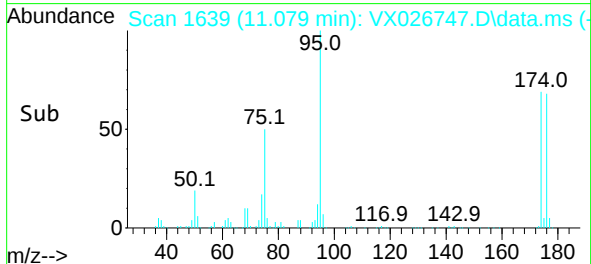
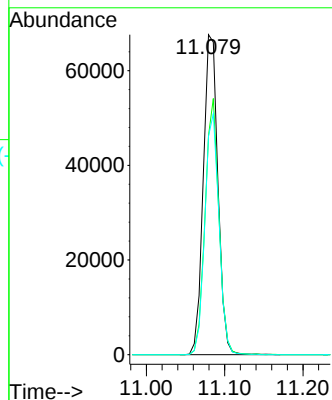
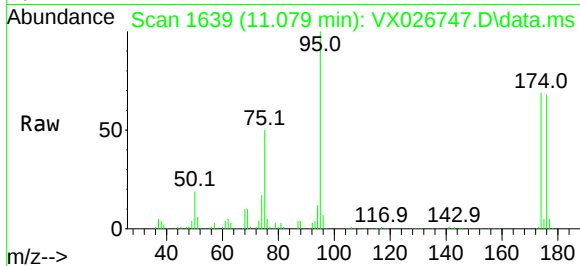




#62  
4-Bromofluorobenzene  
Concen: 51.740 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX026747.D  
Acq: 02 Feb 2022 19:16

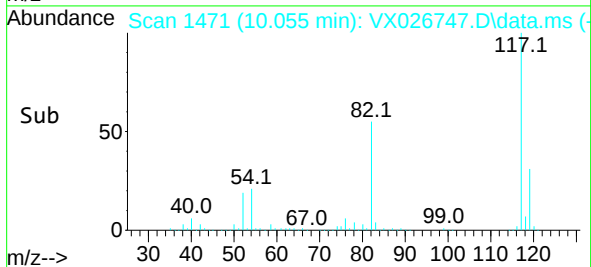
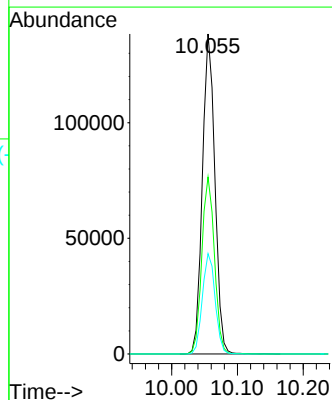
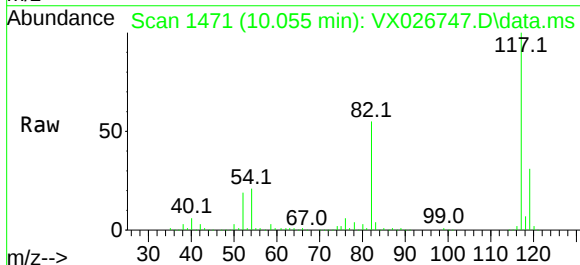
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB142421ZHE#06

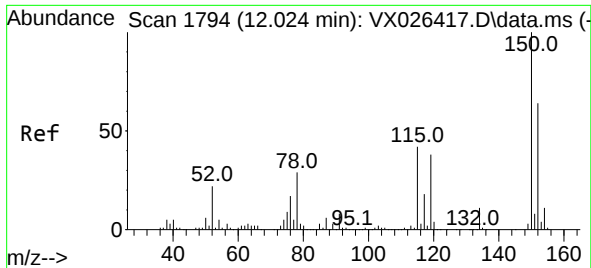
Tgt Ion: 95 Resp: 87713  
Ion Ratio Lower Upper  
95 100  
174 75.3 0.0 148.6  
176 72.8 0.0 141.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX026747.D  
Acq: 02 Feb 2022 19:16

Tgt Ion: 117 Resp: 182871  
Ion Ratio Lower Upper  
117 100  
82 55.3 45.2 67.8  
119 31.3 26.2 39.2

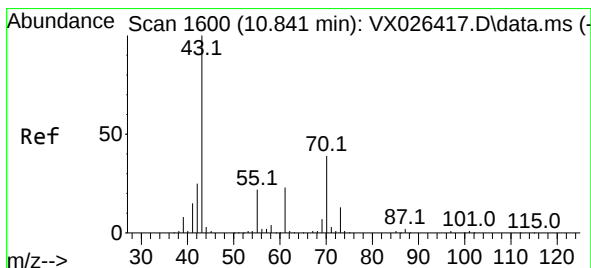
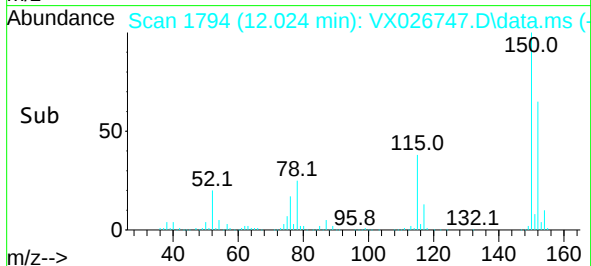
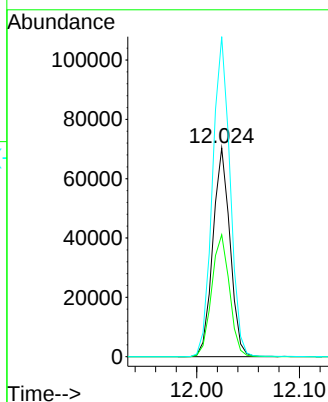
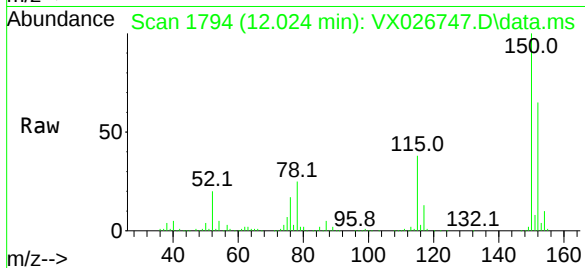




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX026747.D  
Acq: 02 Feb 2022 19:16

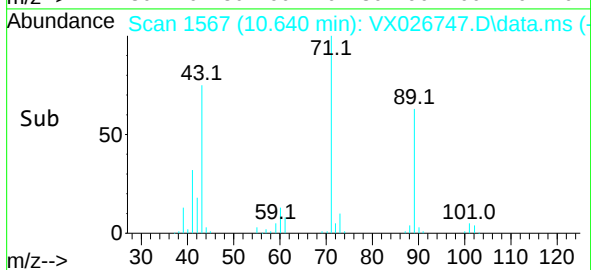
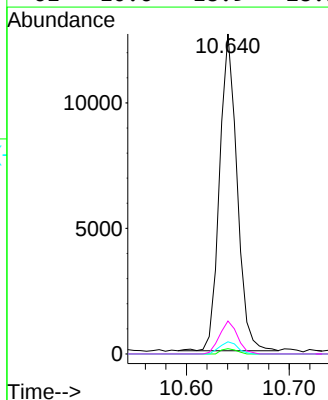
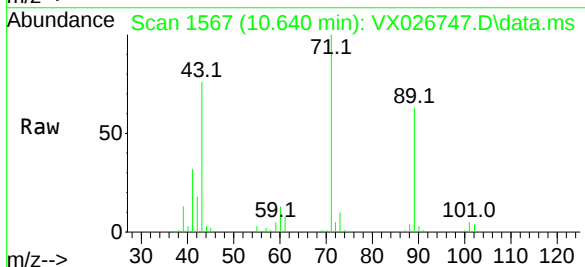
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB142421ZHE#06

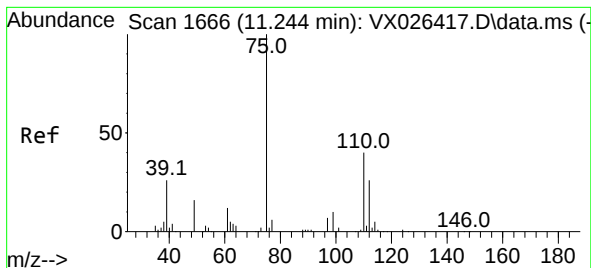
Tgt Ion:152 Resp: 81234  
Ion Ratio Lower Upper  
152 100  
115 60.7 44.2 132.6  
150 157.3 0.0 348.2



#74  
N-ethyl acetate  
Concen: 5.784 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. -0.201 min  
Lab File: VX026747.D  
Acq: 02 Feb 2022 19:16

Tgt Ion: 43 Resp: 14868  
Ion Ratio Lower Upper  
43 100  
70 1.5 32.9 49.3#  
55 3.9 18.3 27.5#  
61 10.6 18.9 28.3#





#76

1,2,3-Trichloropropane

Concen: 24.227 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.164 min

Lab File: VX026747.D

Acq: 02 Feb 2022 19:16

Instrument :

MSVOA\_X

ClientSampleId :

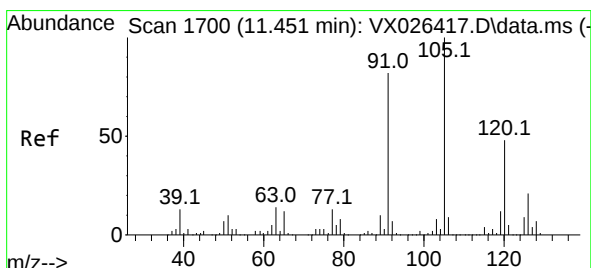
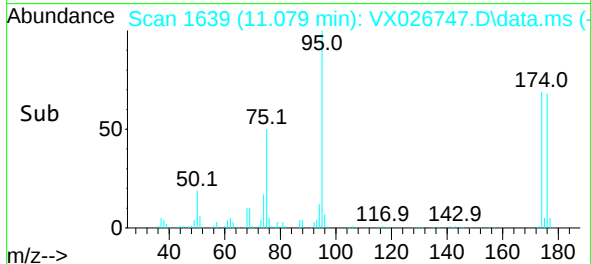
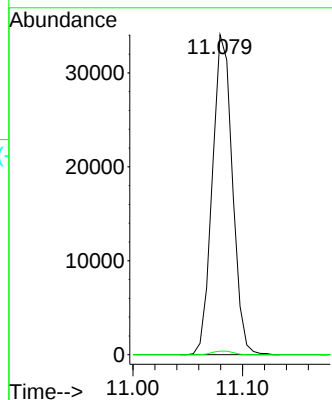
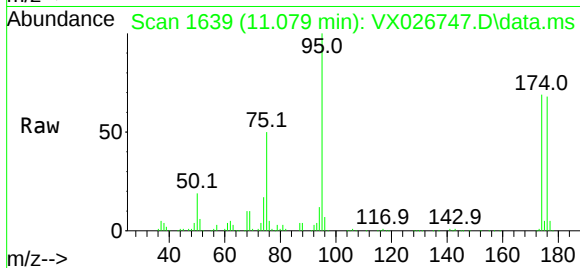
PB142421ZHE#06

Tgt Ion: 75 Resp: 43332

Ion Ratio Lower Upper

75 100

77 1.2 18.3 54.8#



#80

1,3,5-Trimethylbenzene

Concen: 0.306 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX026747.D

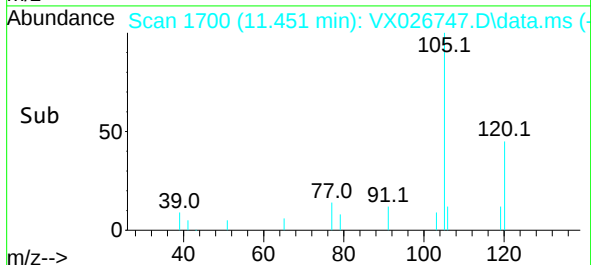
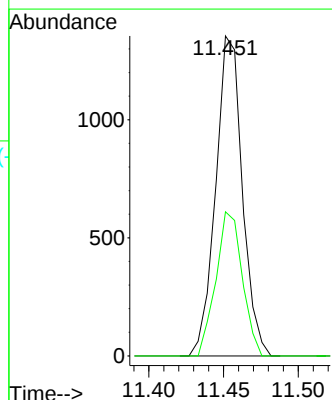
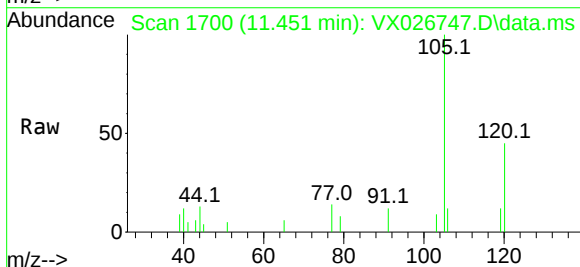
Acq: 02 Feb 2022 19:16

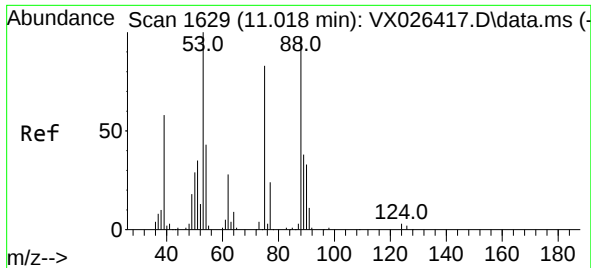
Tgt Ion: 105 Resp: 1678

Ion Ratio Lower Upper

105 100

120 44.5 24.0 72.0





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 73.794 ug/l  
 RT: 11.079 min Scan# 11  
 Delta R.T. 0.061 min  
 Lab File: VX026747.D  
 Acq: 02 Feb 2022 19:16

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB142421ZHE#06

Tgt Ion: 75 Resp: 43332  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 94.0 141.0#  
 89 0.0 37.0 55.4#

