

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022522\  
 Data File : VX027201.D  
 Acq On : 25 Feb 2022 20:01  
 Operator : JC/MD  
 Sample : PB142919ZHE#06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB142919ZHE#06

Quant Time: Feb 25 23:20:15 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

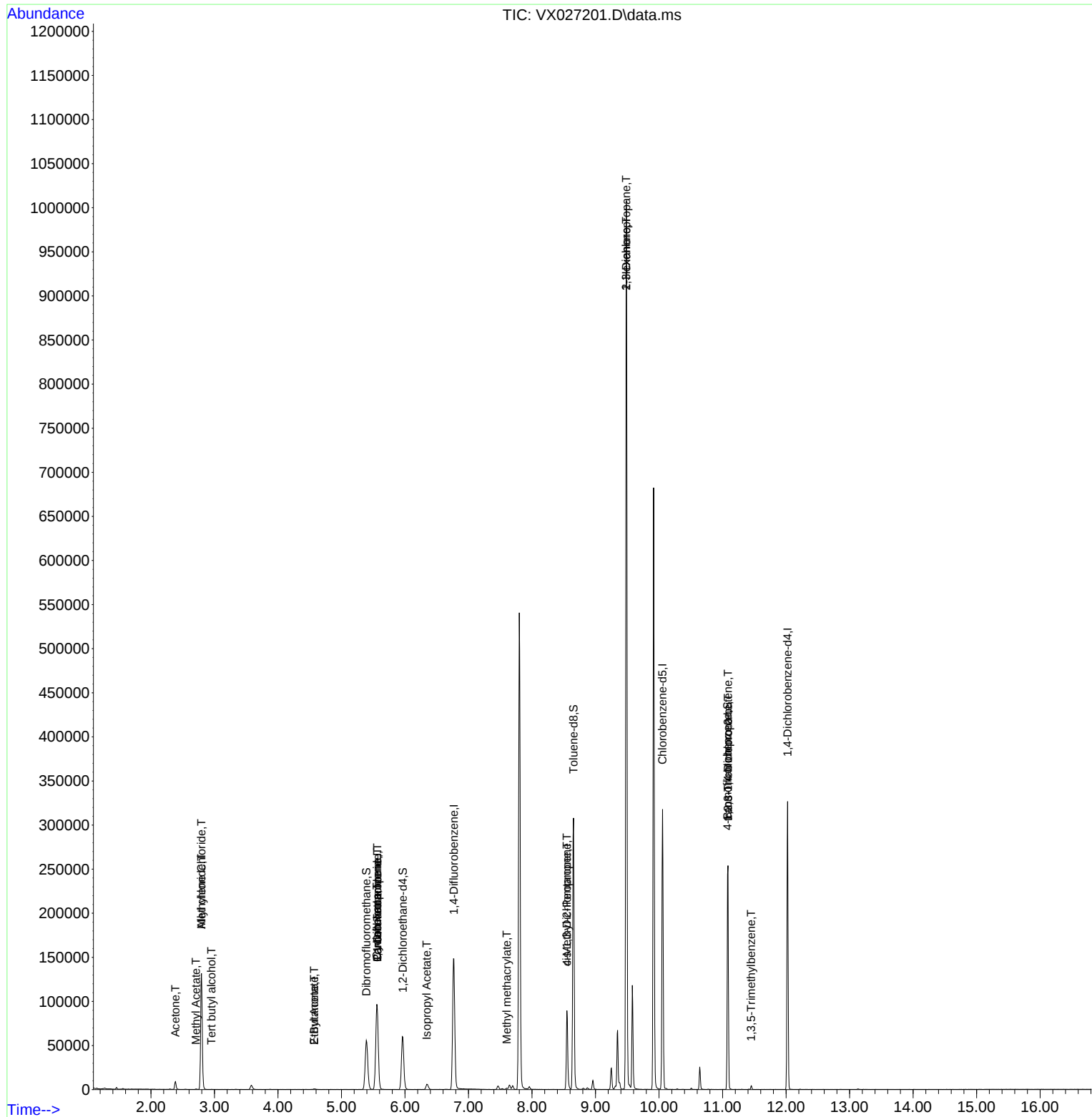
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.562  | 168   | 92840    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114   | 156608   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 144320   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 66623    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65    | 57690    | 51.739    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 103.480% |
| 35) Dibromofluoromethane      | 5.391  | 113   | 49408    | 50.826    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 101.660% |
| 50) Toluene-d8                | 8.653  | 98    | 186313   | 51.259    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 102.520% |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 68269    | 48.931    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 97.860%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 1.624  | 94    | 19       | Below Cal | #      | 2        |
| 11) Tert butyl alcohol        | 2.953  | 59    | 104      | 0.479     | ug/l # | 75       |
| 14) Allyl chloride            | 2.794  | 41    | 2226     | 1.399     | ug/l # | 25       |
| 16) Acetone                   | 2.386  | 43    | 9402     | 19.205    | ug/l   | 95       |
| 18) Methyl Acetate            | 2.709  | 43    | 818      | 0.647     | ug/l # | 84       |
| 20) Methylene Chloride        | 2.794  | 84    | 59767    | 58.902    | ug/l   | 96       |
| 25) 2-Butanone                | 4.568  | 43    | 1321     | 1.694     | ug/l   | 96       |
| 31) Cyclohexane               | 5.556  | 56    | 1759     | 1.053     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.562  | 75    | 6936     | 4.889     | ug/l # | 50       |
| 37) Ethyl Acetate             | 4.568  | 43    | 1321     | 0.848     | ug/l # | 69       |
| 38) Carbon Tetrachloride      | 5.562  | 117   | 9424     | 6.369     | ug/l # | 19       |
| 43) Isopropyl Acetate         | 6.342  | 43    | 8461     | 3.531     | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.604  | 41    | 2425     | 2.091     | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 8.549  | 43    | 30726    | 19.728    | ug/l # | 50       |
| 54) cis-1,3-Dichloropropene   | 8.549  | 75    | 14634    | 9.225     | ug/l # | 56       |
| 57) 1,3-Dichloropropane       | 9.482  | 76    | 9005     | 5.145     | ug/l # | 43       |
| 59) 2-Hexanone                | 9.482  | 43    | 122859   | 103.212   | ug/l # | 52       |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75    | 34331    | 25.583    | ug/l # | 40       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105   | 2119     | 0.529     | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75    | 34331    | 72.338    | ug/l # | 3        |
| -----                         |        |       |          |           |        |          |

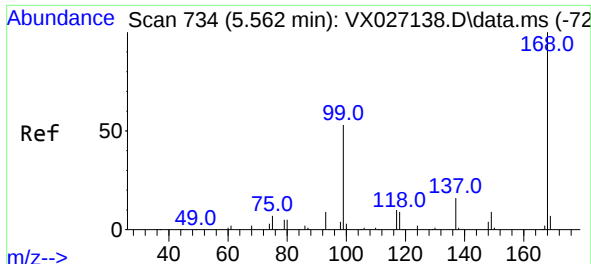
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022522\  
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Sample : PB142919ZHE#06  
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MSVOA\_X  
ClientSampleId :  
PB142919ZHE#06

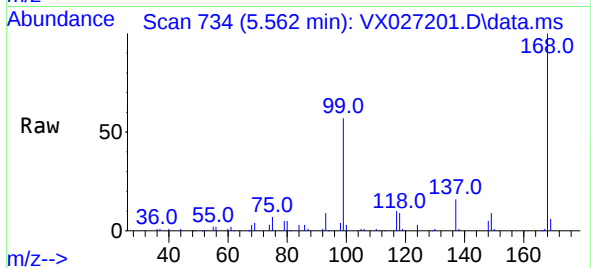
Quant Time: Feb 25 23:20:15 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022322W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 23 13:06:57 2022  
Response via : Initial Calibration



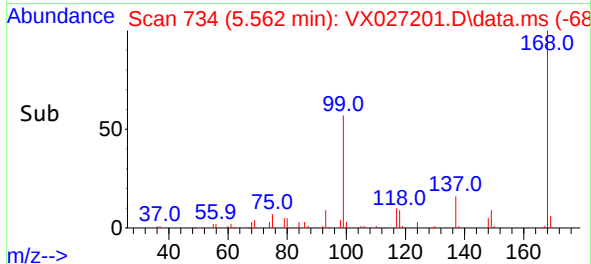
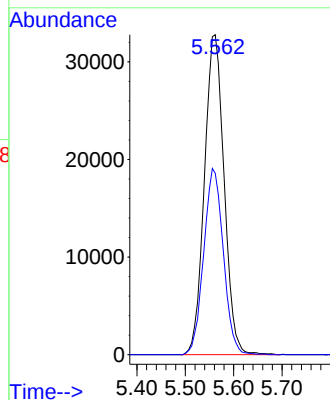


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX027201.D  
Acq: 25 Feb 2022 20:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB142919ZHE#06

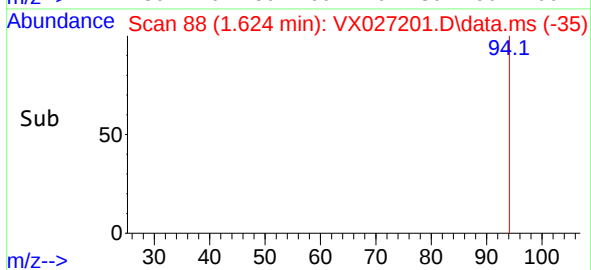
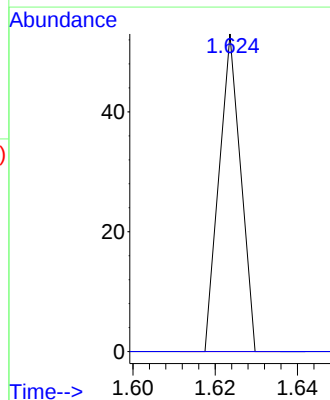
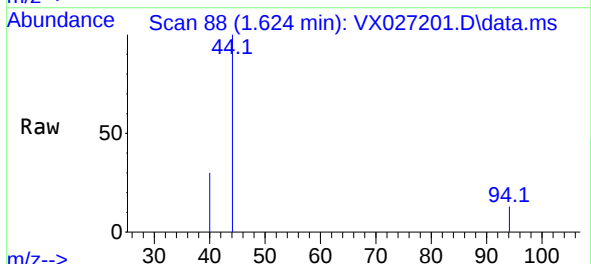


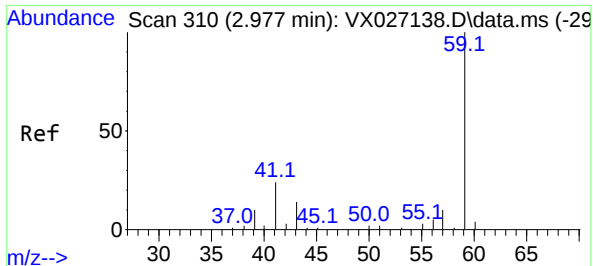
Tgt Ion:168 Resp: 92840  
Ion Ratio Lower Upper  
168 100  
99 56.7 50.3 75.5



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.624 min Scan# 88  
Delta R.T. 0.025 min  
Lab File: VX027201.D  
Acq: 25 Feb 2022 20:01

Tgt Ion: 94 Resp: 19  
Ion Ratio Lower Upper  
94 100  
96 0.0 75.9 113.9#





#11

Tert butyl alcohol

Concen: 0.479 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.024 min

Lab File: VX027201.D

Acq: 25 Feb 2022 20:01

Instrument :

MSVOA\_X

ClientSampleId :

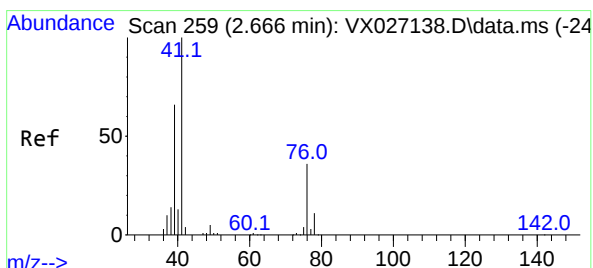
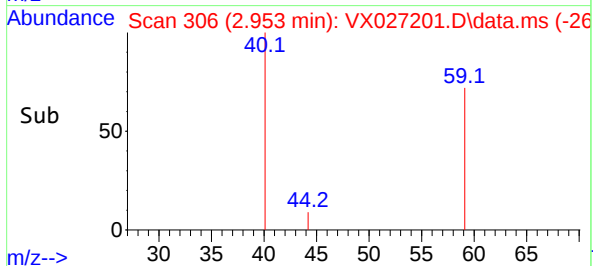
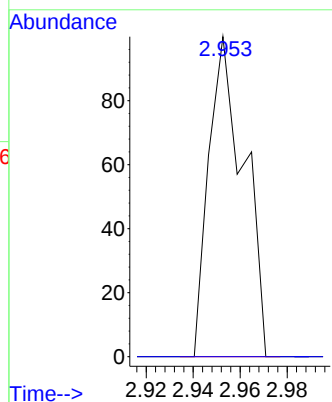
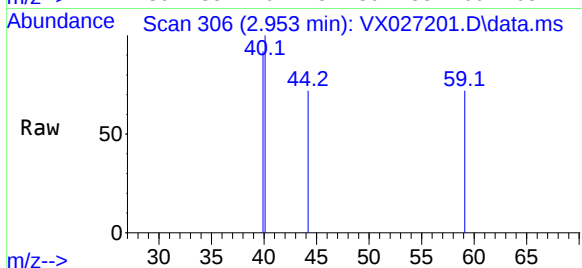
PB142919ZHE#06

Tgt Ion: 59 Resp: 104

Ion Ratio Lower Upper

59 100

57 0.0 7.2 10.8#



#14

Allyl chloride

Concen: 1.399 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.128 min

Lab File: VX027201.D

Acq: 25 Feb 2022 20:01

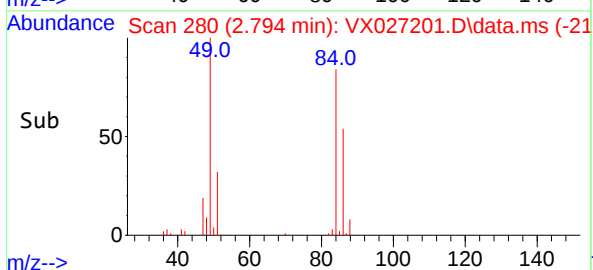
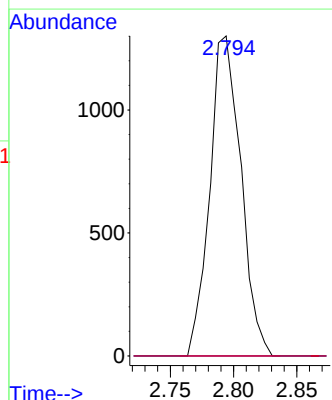
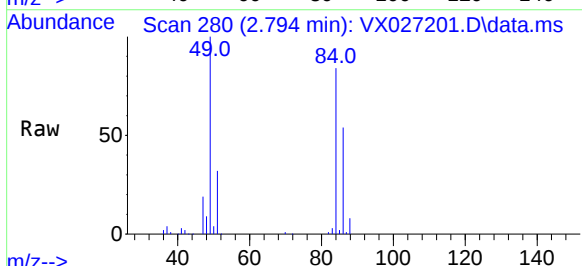
Tgt Ion: 41 Resp: 2226

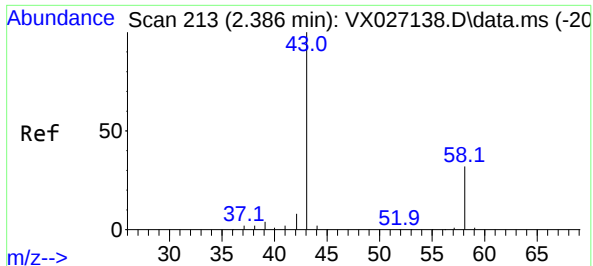
Ion Ratio Lower Upper

41 100

39 0.0 54.2 81.4#

76 0.0 25.2 37.8#

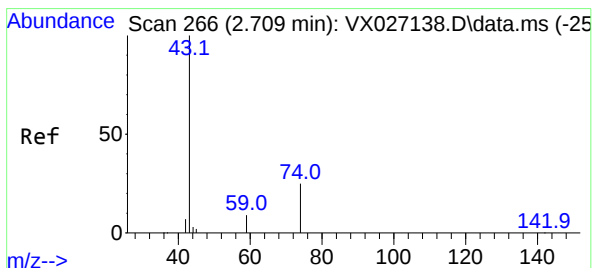
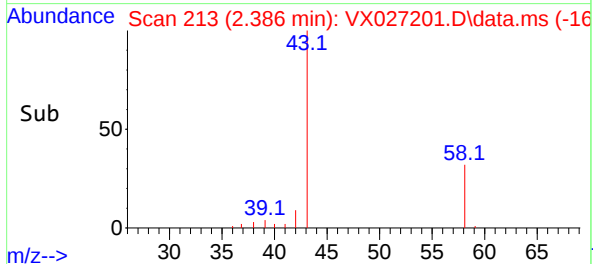
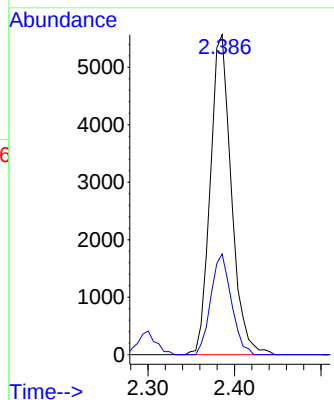
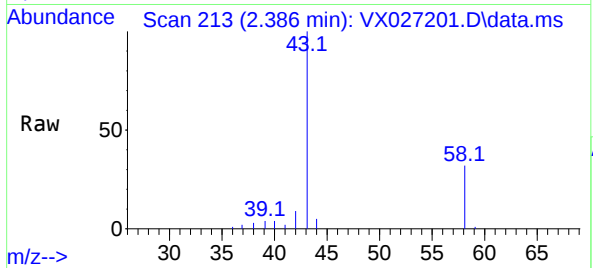




#16  
Acetone  
Concen: 19.205 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.000 min  
Lab File: VX027201.D  
Acq: 25 Feb 2022 20:01

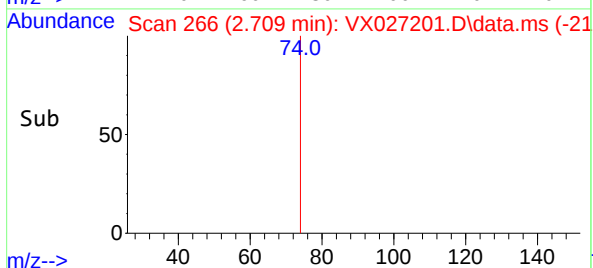
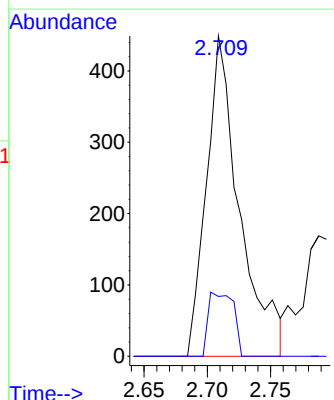
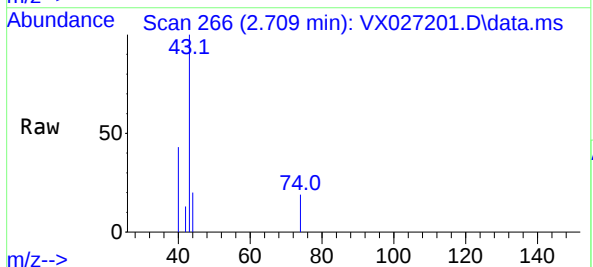
Instrument :  
MSVOA\_X  
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PB142919ZHE#06

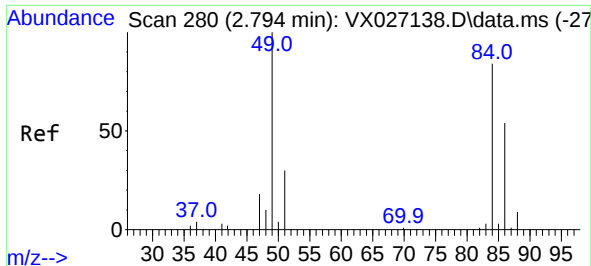
Tgt Ion: 43 Resp: 9402  
Ion Ratio Lower Upper  
43 100  
58 31.5 23.0 34.6



#18  
Methyl Acetate  
Concen: 0.647 ug/l  
RT: 2.709 min Scan# 266  
Delta R.T. -0.000 min  
Lab File: VX027201.D  
Acq: 25 Feb 2022 20:01

Tgt Ion: 43 Resp: 818  
Ion Ratio Lower Upper  
43 100  
74 15.0 18.3 27.5#

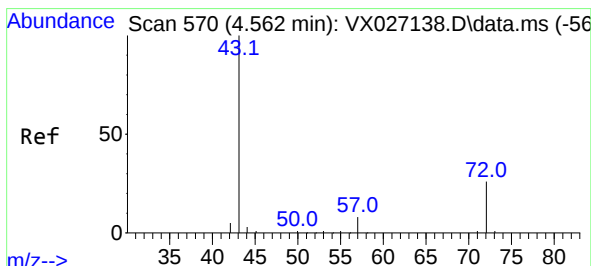
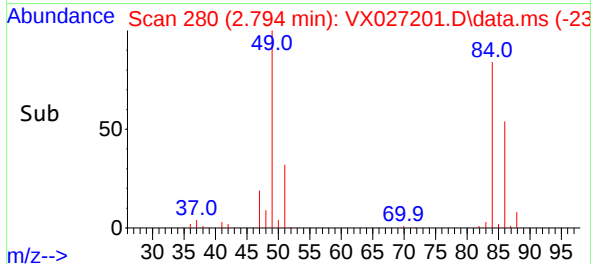
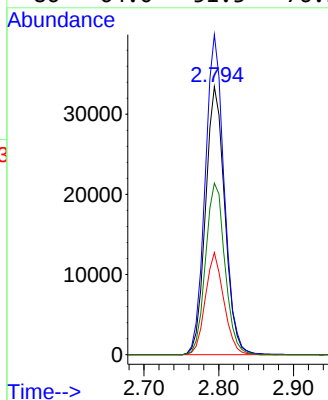
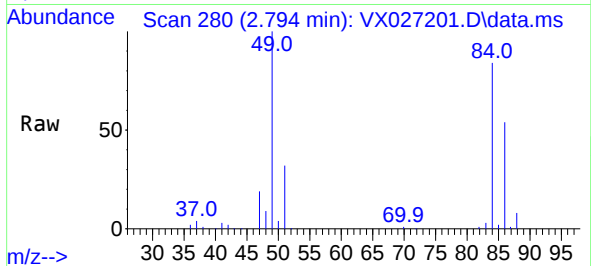




#20  
Methylene Chloride  
Concen: 58.902 ug/l  
RT: 2.794 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX027201.D  
Acq: 25 Feb 2022 20:01

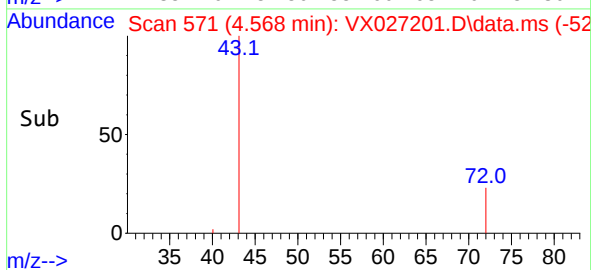
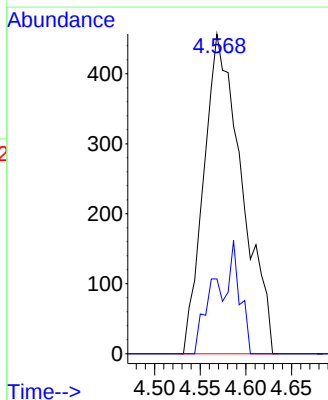
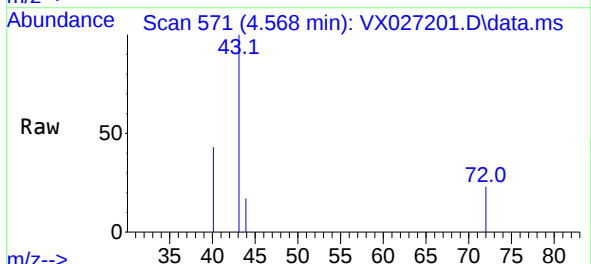
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB142919ZHE#06

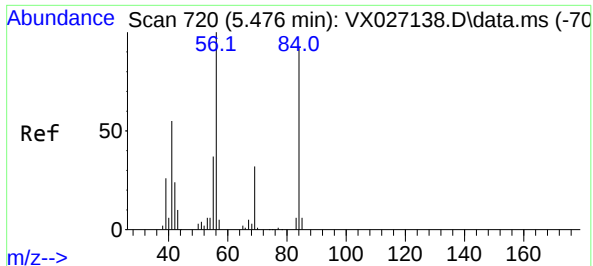
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 59767 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 119.4 | 101.5 | 152.3 |
| 51       | 38.1  | 31.2  | 46.8  |
| 86       | 64.0  | 51.3  | 76.9  |



#25  
2-Butanone  
Concen: 1.694 ug/l  
RT: 4.568 min Scan# 571  
Delta R.T. 0.006 min  
Lab File: VX027201.D  
Acq: 25 Feb 2022 20:01

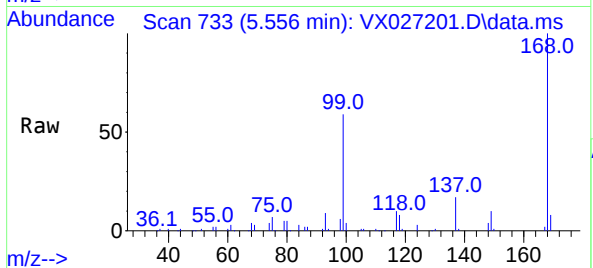
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 1321  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 23.4  | 20.4  | 30.6  |



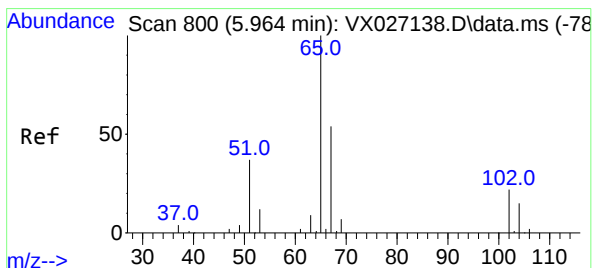
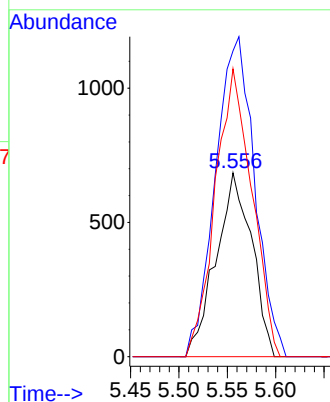
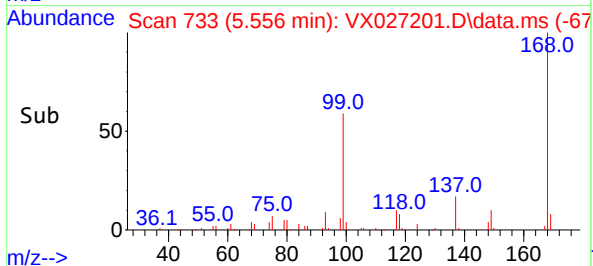


#31  
Cyclohexane  
Concen: 1.053 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.080 min  
Lab File: VX027201.D  
Acq: 25 Feb 2022 20:01

Instrument :  
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ClientSampleId :  
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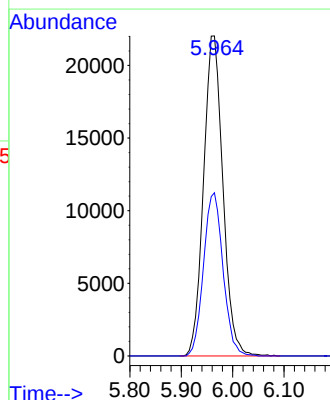
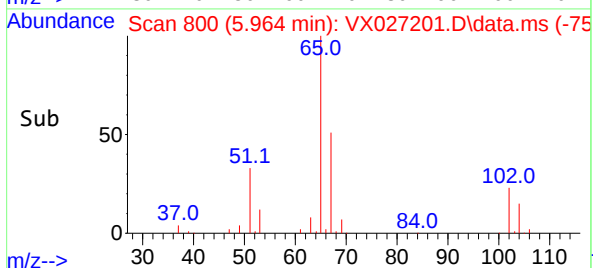
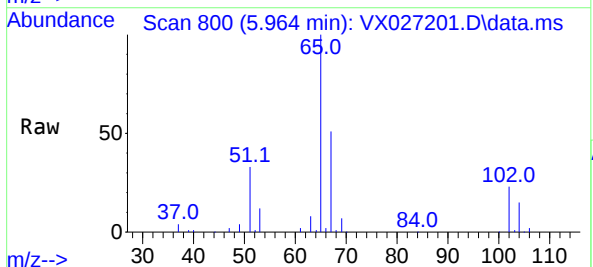


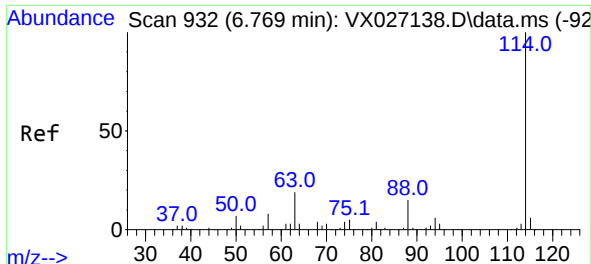
Tgt Ion: 56 Resp: 1759  
Ion Ratio Lower Upper  
56 100  
69 166.3 25.8 38.6#  
84 156.5 68.9 103.3#



#33  
1,2-Dichloroethane-d4  
Concen: 51.739 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX027201.D  
Acq: 25 Feb 2022 20:01

Tgt Ion: 65 Resp: 57690  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 100.8

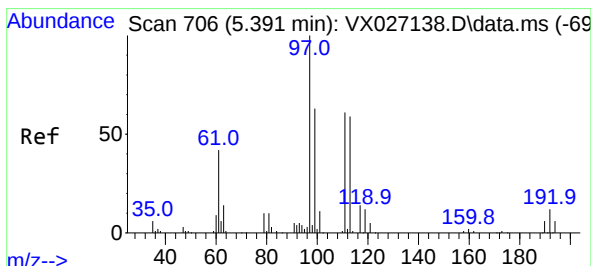
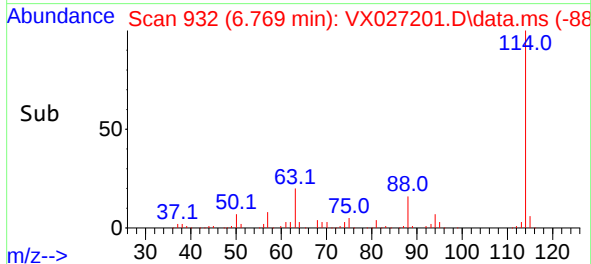
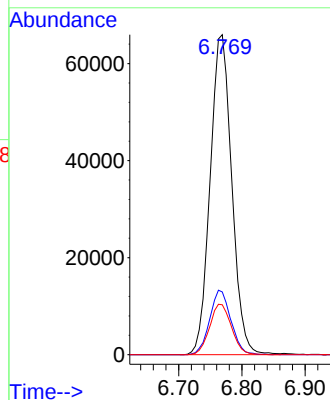
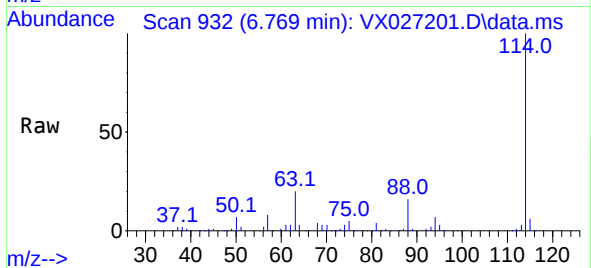




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX027201.D  
Acq: 25 Feb 2022 20:01

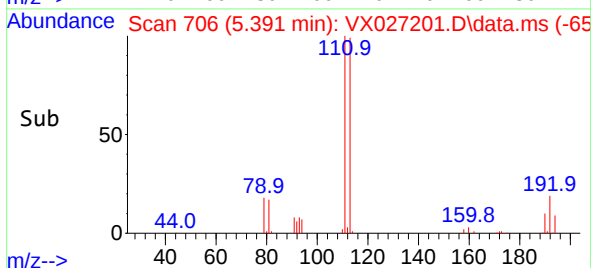
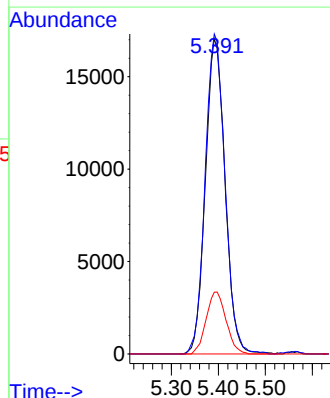
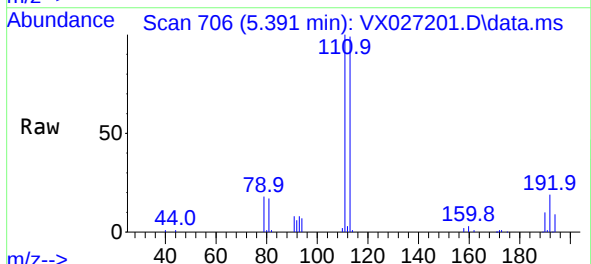
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB142919ZHE#06

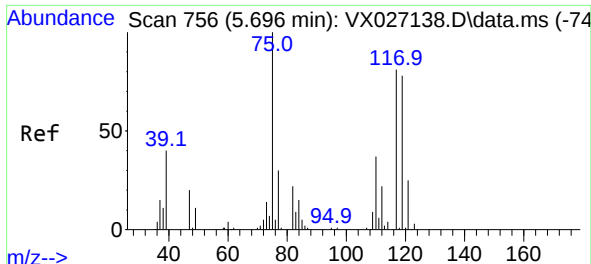
Tgt Ion:114 Resp: 156608  
Ion Ratio Lower Upper  
114 100  
63 19.6 0.0 42.8  
88 15.6 0.0 33.0



#35  
Dibromofluoromethane  
Concen: 50.826 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX027201.D  
Acq: 25 Feb 2022 20:01

Tgt Ion:113 Resp: 49408  
Ion Ratio Lower Upper  
113 100  
111 102.5 81.2 121.8  
192 19.9 15.0 22.4





#36

1,1-Dichloropropene

Concen: 4.889 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX027201.D

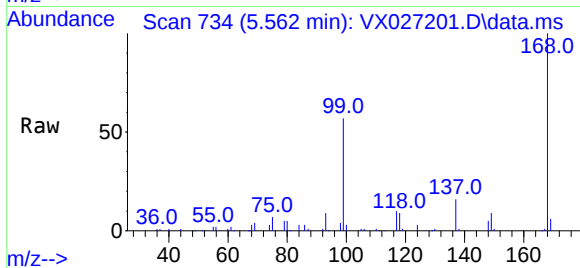
Acq: 25 Feb 2022 20:01

Instrument :

MSVOA\_X

ClientSampleId :

PB142919ZHE#06



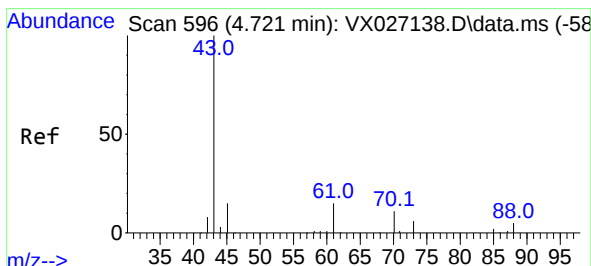
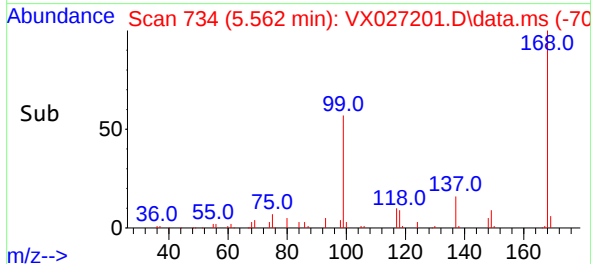
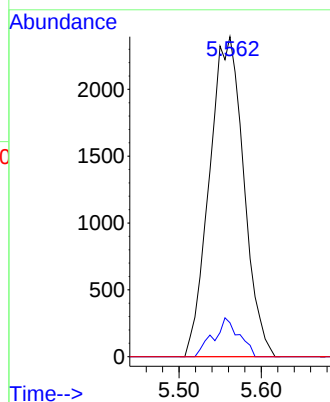
Tgt Ion: 75 Resp: 6936

Ion Ratio Lower Upper

75 100

110 9.0 17.2 51.6#

77 0.0 24.6 36.8#



#37

Ethyl Acetate

Concen: 0.848 ug/l

RT: 4.568 min Scan# 571

Delta R.T. -0.153 min

Lab File: VX027201.D

Acq: 25 Feb 2022 20:01

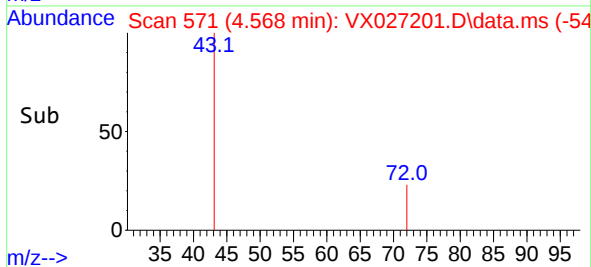
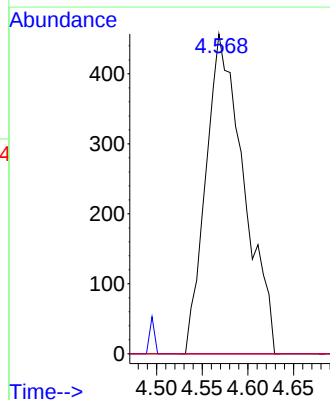
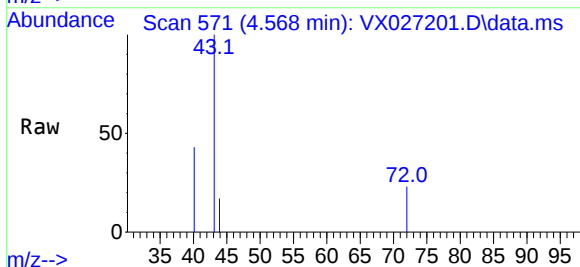
Tgt Ion: 43 Resp: 1321

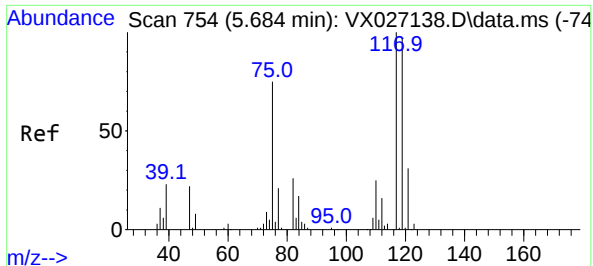
Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

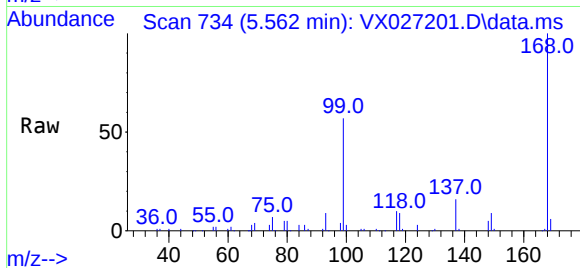
70 0.0 8.5 12.7#



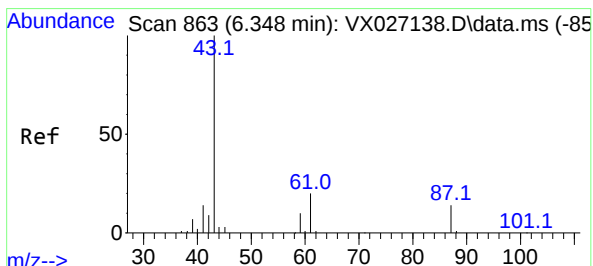
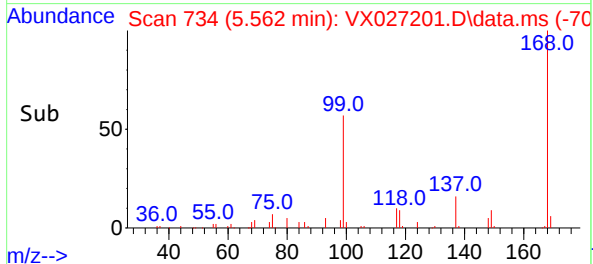
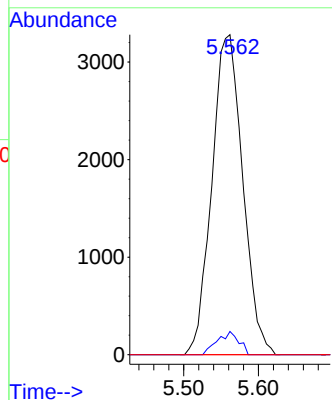


#38  
Carbon Tetrachloride  
Concen: 6.369 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX027201.D  
Acq: 25 Feb 2022 20:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB142919ZHE#06

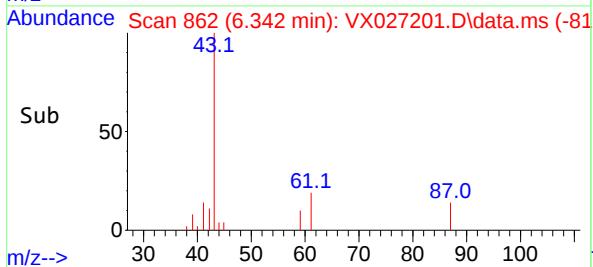
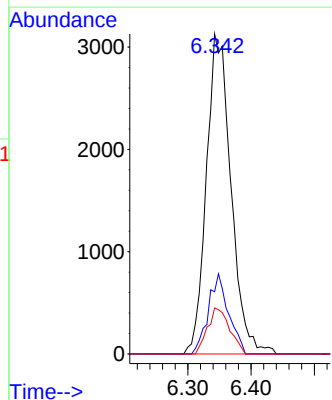
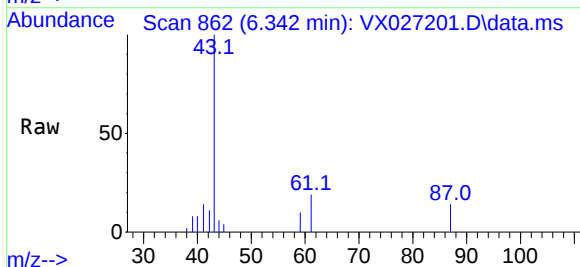


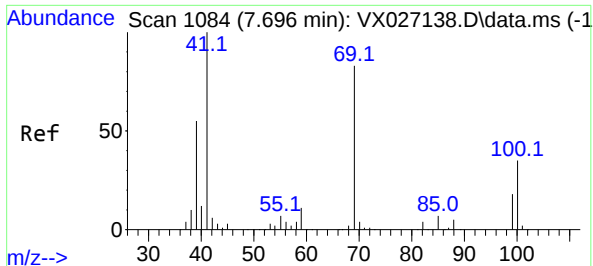
Tgt Ion:117 Resp: 9424  
Ion Ratio Lower Upper  
117 100  
119 7.3 74.7 112.1#  
121 0.0 25.4 38.0#



#43  
Isopropyl Acetate  
Concen: 3.531 ug/l  
RT: 6.342 min Scan# 862  
Delta R.T. -0.006 min  
Lab File: VX027201.D  
Acq: 25 Feb 2022 20:01

Tgt Ion: 43 Resp: 8461  
Ion Ratio Lower Upper  
43 100  
61 20.6 15.4 23.0  
87 12.9 10.2 15.2





#48

Methyl methacrylate

Concen: 2.091 ug/l

RT: 7.604 min Scan# 1069

Delta R.T. -0.092 min

Lab File: VX027201.D

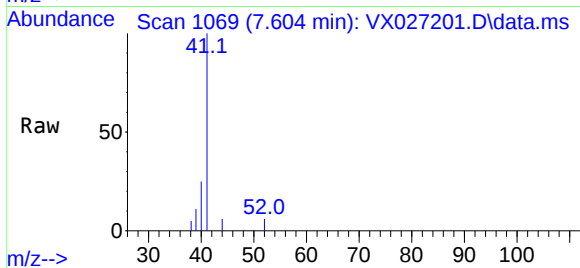
Acq: 25 Feb 2022 20:01

Instrument :

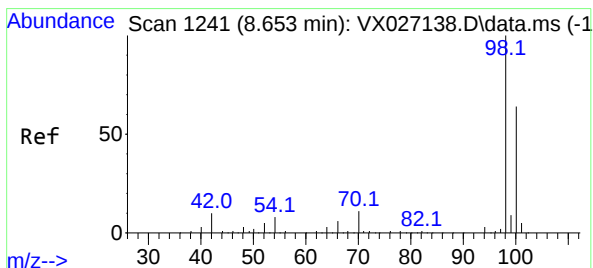
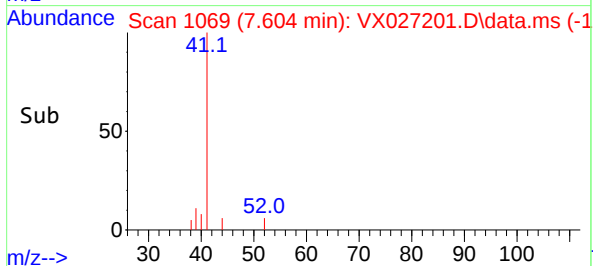
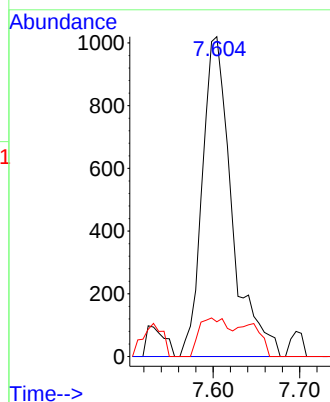
MSVOA\_X

ClientSampleId :

PB142919ZHE#06



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 2425  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 0.0   | 62.2  | 93.4# |
| 39       | 0.0   | 45.4  | 68.0# |



#50

Toluene-d8

Concen: 51.259 ug/l

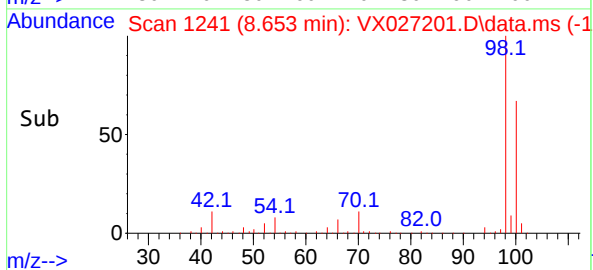
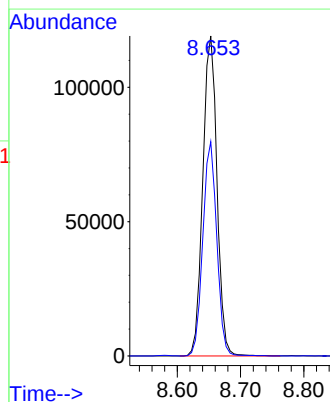
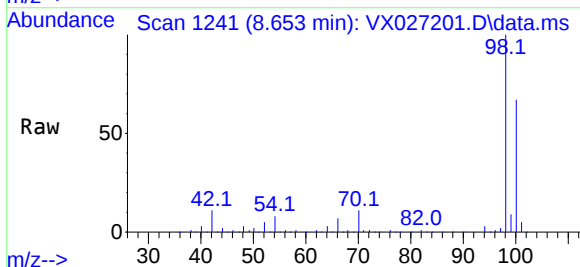
RT: 8.653 min Scan# 1241

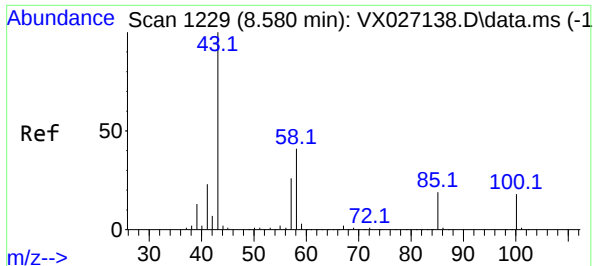
Delta R.T. -0.000 min

Lab File: VX027201.D

Acq: 25 Feb 2022 20:01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 186313 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 65.8  | 53.2  | 79.8   |





#51

4-Methyl-2-Pentanone

Concen: 19.728 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.031 min

Lab File: VX027201.D

Acq: 25 Feb 2022 20:01

Instrument :

MSVOA\_X

ClientSampleId :

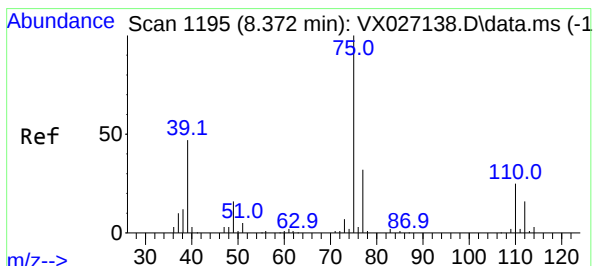
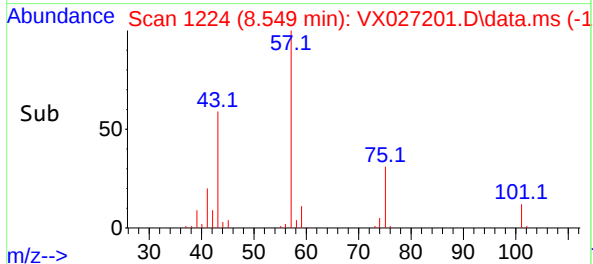
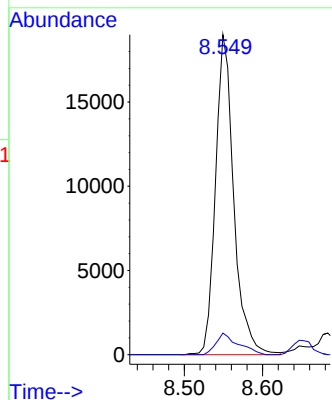
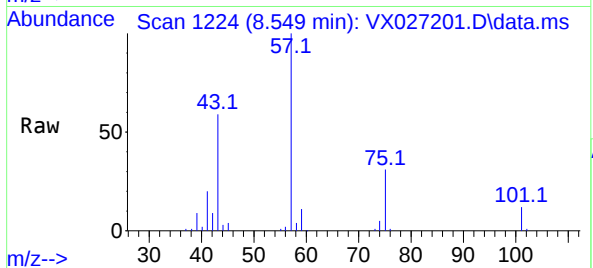
PB142919ZHE#06

Tgt Ion: 43 Resp: 30726

Ion Ratio Lower Upper

43 100

58 8.2 30.5 45.7#



#54

cis-1,3-Dichloropropene

Concen: 9.225 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.177 min

Lab File: VX027201.D

Acq: 25 Feb 2022 20:01

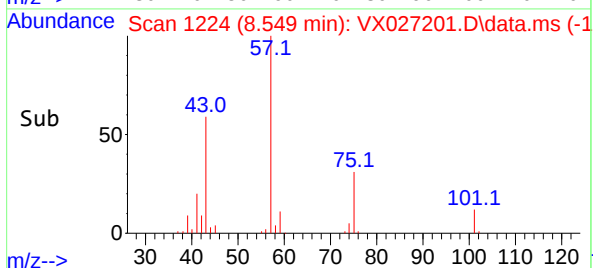
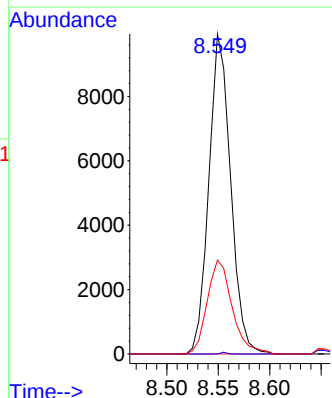
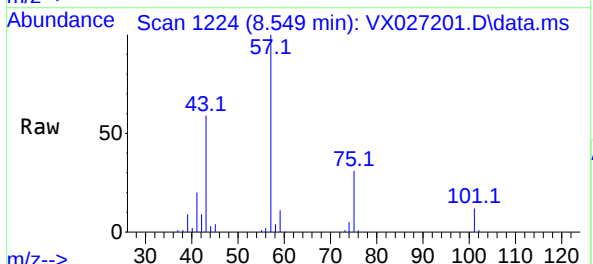
Tgt Ion: 75 Resp: 14634

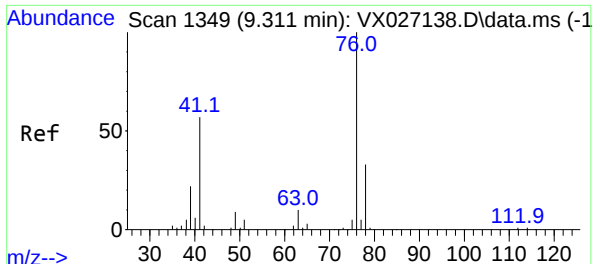
Ion Ratio Lower Upper

75 100

77 0.0 26.2 39.2#

39 29.3 43.5 65.3#





#57

1,3-Dichloropropane

Concen: 5.145 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX027201.D

Acq: 25 Feb 2022 20:01

Instrument :

MSVOA\_X

ClientSampleId :

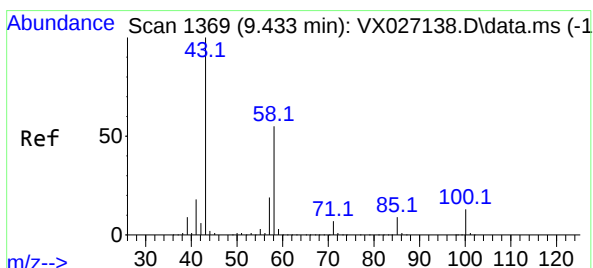
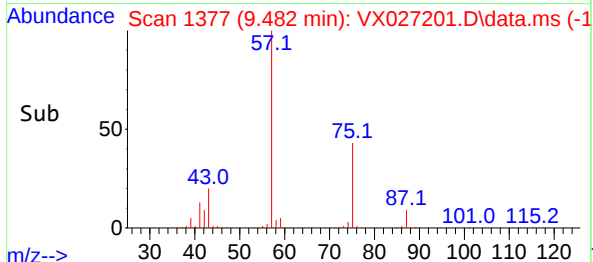
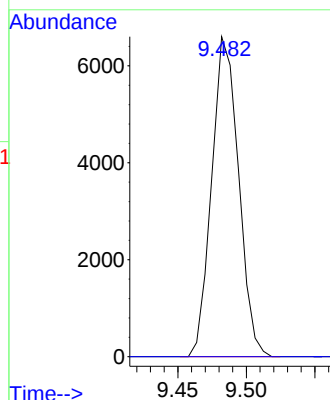
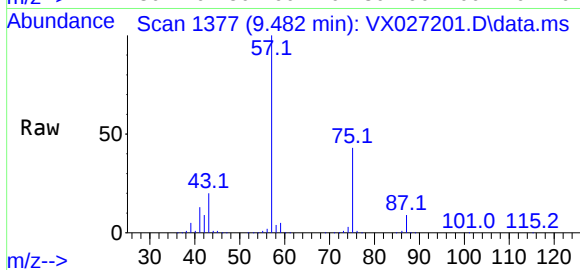
PB142919ZHE#06

Tgt Ion: 76 Resp: 9005

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 103.212 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX027201.D

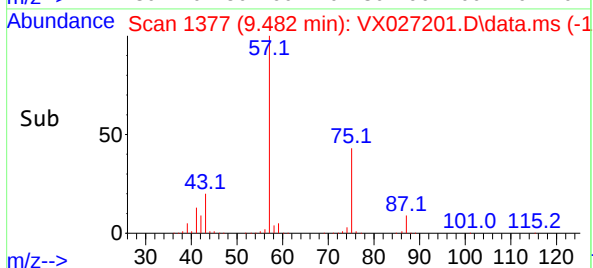
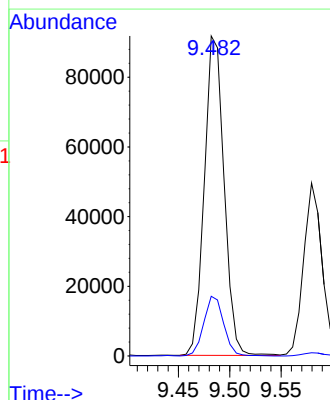
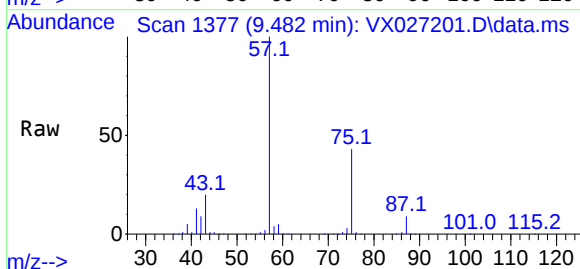
Acq: 25 Feb 2022 20:01

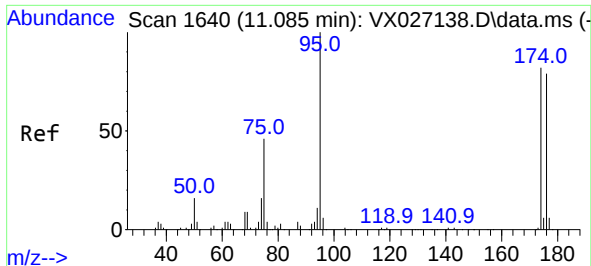
Tgt Ion: 43 Resp: 122859

Ion Ratio Lower Upper

43 100

58 18.8 26.4 79.2#

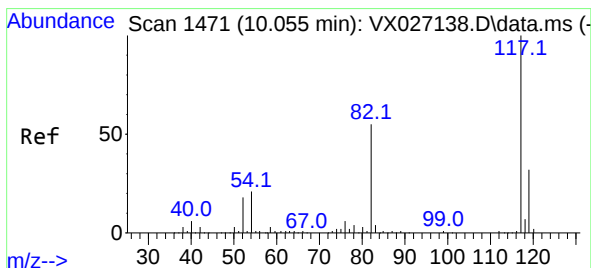
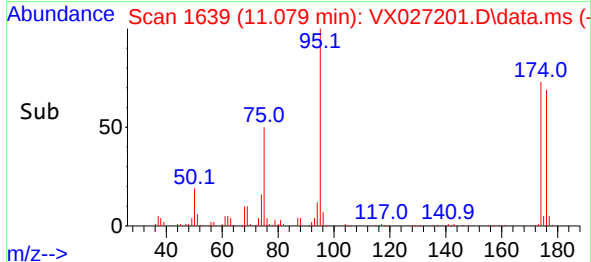
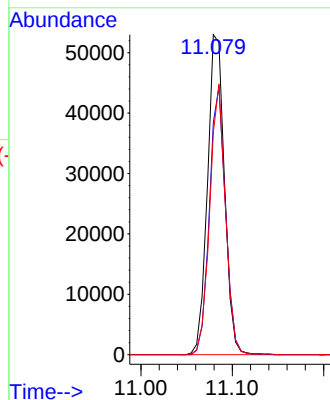
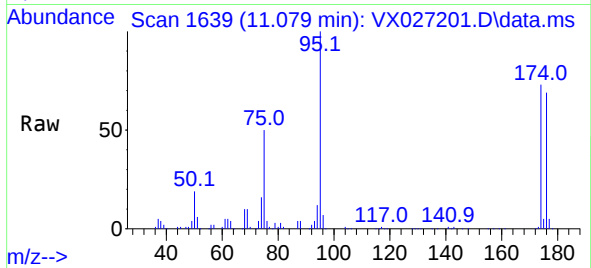




#62  
4-Bromofluorobenzene  
Concen: 48.931 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.006 min  
Lab File: VX027201.D  
Acq: 25 Feb 2022 20:01

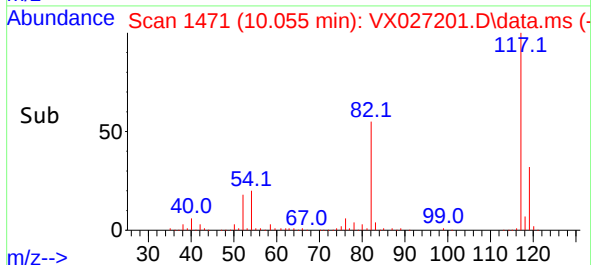
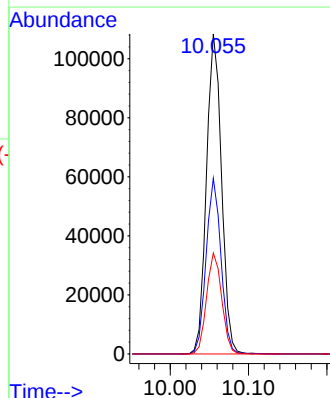
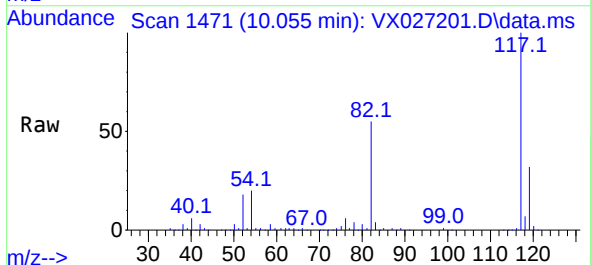
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB142919ZHE#06

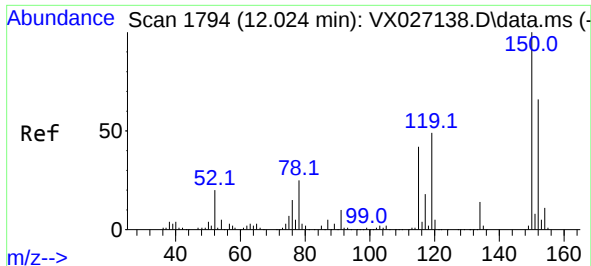
Tgt Ion: 95 Resp: 68269  
Ion Ratio Lower Upper  
95 100  
174 79.2 0.0 148.6  
176 77.9 0.0 141.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX027201.D  
Acq: 25 Feb 2022 20:01

Tgt Ion: 117 Resp: 144320  
Ion Ratio Lower Upper  
117 100  
82 54.9 45.2 67.8  
119 31.5 26.2 39.2

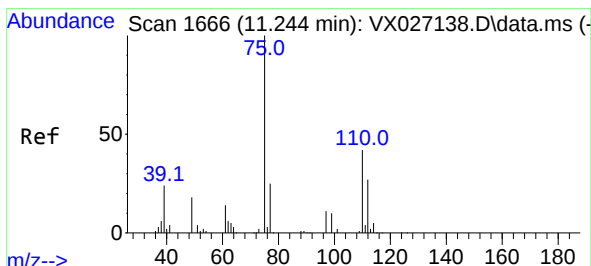
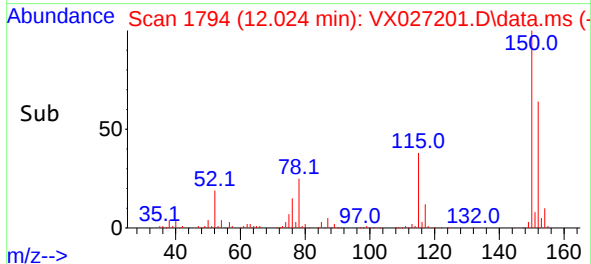
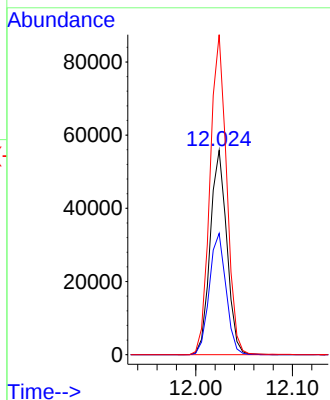
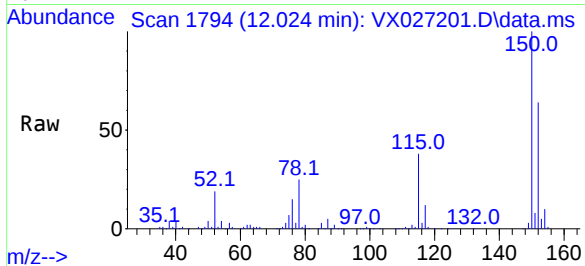




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX027201.D  
Acq: 25 Feb 2022 20:01

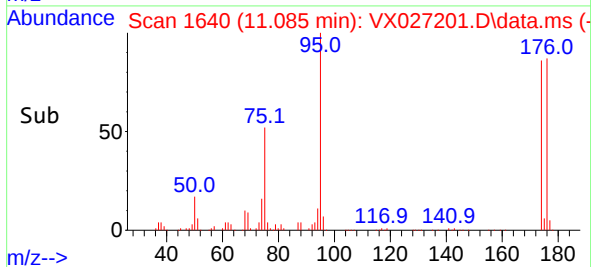
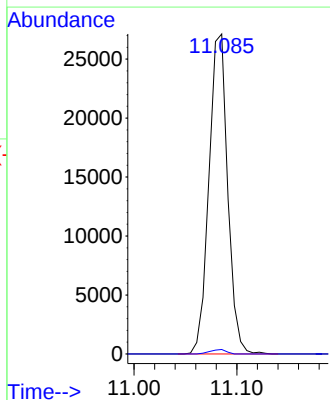
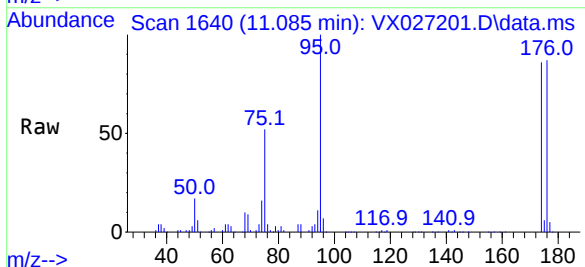
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB142919ZHE#06

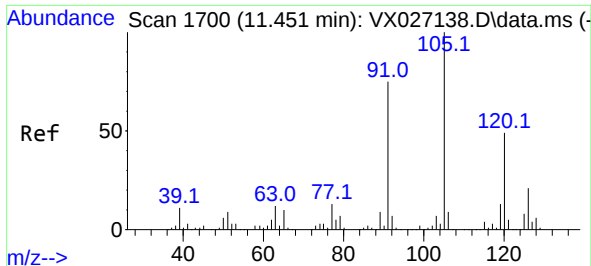
Tgt Ion:152 Resp: 66623  
Ion Ratio Lower Upper  
152 100  
115 59.6 44.2 132.6  
150 156.7 0.0 348.2



#76  
1,2,3-Trichloropropane  
Concen: 25.583 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX027201.D  
Acq: 25 Feb 2022 20:01

Tgt Ion: 75 Resp: 34331  
Ion Ratio Lower Upper  
75 100  
77 1.2 18.3 54.8#

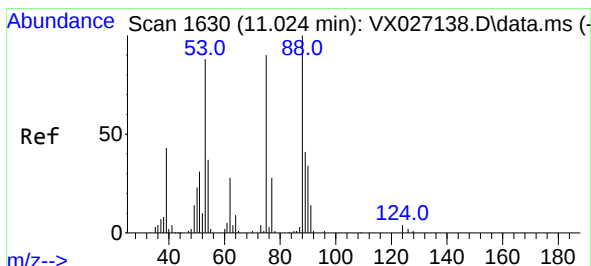
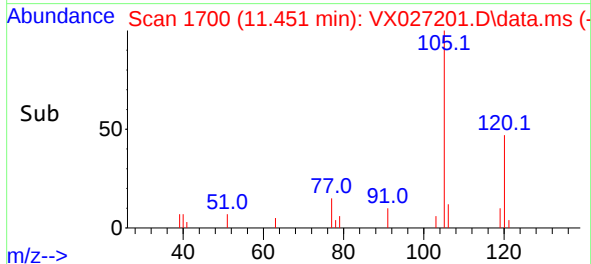
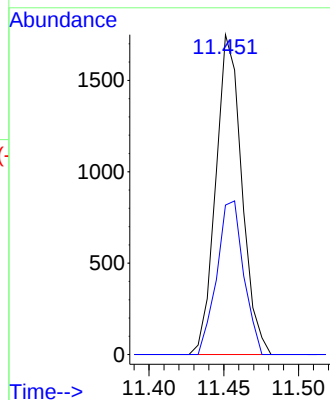
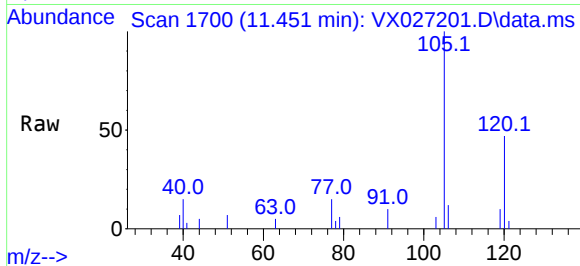




#80  
1,3,5-Trimethylbenzene  
Concen: 0.529 ug/l  
RT: 11.451 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX027201.D  
Acq: 25 Feb 2022 20:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB142919ZHE#06

Tgt Ion:105 Resp: 2119  
Ion Ratio Lower Upper  
105 100  
120 49.3 24.0 72.0



#81  
trans-1,4-Dichloro-2-butene  
Concen: 72.338 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX027201.D  
Acq: 25 Feb 2022 20:01

Tgt Ion: 75 Resp: 34331  
Ion Ratio Lower Upper  
75 100  
53 0.0 94.0 141.0#  
89 0.0 37.0 55.4#

