

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030122\  
 Data File : VX027259.D  
 Acq On : 01 Mar 2022 19:24  
 Operator : JC/MD  
 Sample : N1725-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Mar 02 00:37:50 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

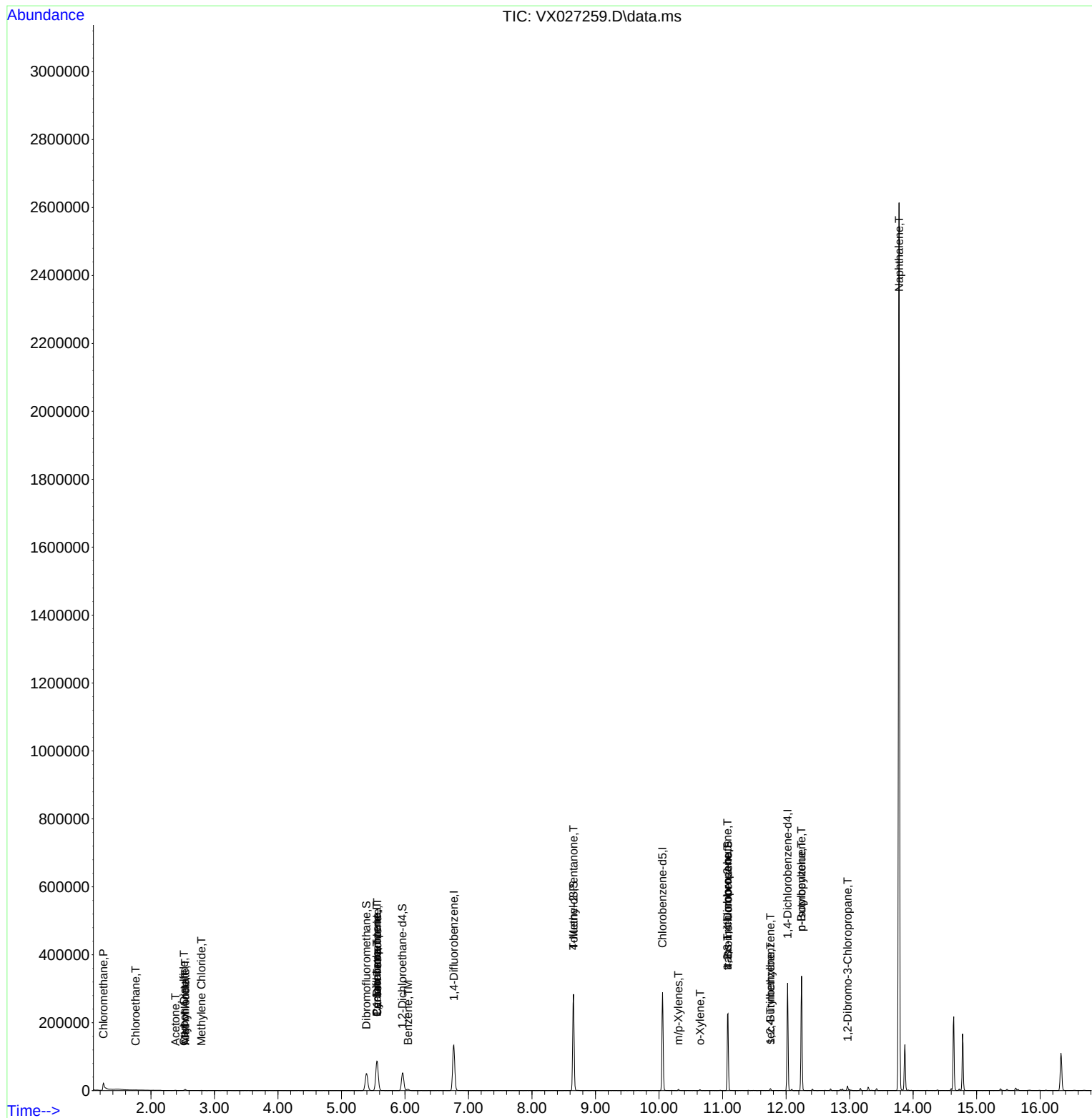
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 86302    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114   | 143178   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 130847   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 64100    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 51259    | 49.454   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 98.900%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 44269    | 49.812   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 99.620%  |
| 50) Toluene-d8                | 8.653  | 98    | 166826   | 50.202   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 100.400% |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 62745    | 49.190   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 98.380%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.252  | 50    | 505      | 0.630    | ug/l # | 42       |
| 6) Chloroethane               | 1.758  | 64    | 114      | 0.232    | ug/l # | 43       |
| 14) Allyl chloride            | 2.538  | 41    | 326      | 0.220    | ug/l # | 1        |
| 16) Acetone                   | 2.386  | 43    | 1166     | 2.562    | ug/l # | 85       |
| 17) Carbon Disulfide          | 2.520  | 76    | 887      | 0.406    | ug/l # | 74       |
| 18) Methyl Acetate            | 2.538  | 43    | 966      | 0.822    | ug/l # | 53       |
| 20) Methylene Chloride        | 2.794  | 84    | 270      | 0.286    | ug/l # | 78       |
| 31) Cyclohexane               | 5.556  | 56    | 1437     | 0.926    | ug/l # | 4        |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 6240     | 4.811    | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.562  | 117   | 8258     | 6.105    | ug/l # | 18       |
| 40) Benzene                   | 6.050  | 78    | 4861     | 1.282    | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.653  | 43    | 641      | 0.450    | ug/l # | 1        |
| 68) m/p-Xylenes               | 10.305 | 106   | 880      | 0.489    | ug/l   | 95       |
| 69) o-Xylene                  | 10.646 | 106   | 648      | 0.359    | ug/l   | 93       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 30683    | 23.765   | ug/l # | 40       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 30683    | 67.552   | ug/l # | 3        |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105   | 2856     | 0.744    | ug/l   | 92       |
| 85) sec-Butylbenzene          | 11.756 | 105   | 2856     | 0.607    | ug/l # | 56       |
| 86) p-Isopropyltoluene        | 12.244 | 119   | 7028     | 1.753    | ug/l # | 1        |
| 89) n-Butylbenzene            | 12.244 | 91    | 20937    | 6.249    | ug/l # | 42       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.969 | 75    | 202      | 0.642    | ug/l # | 3        |
| 95) Naphthalene               | 13.780 | 128   | 1603343  | 355.968  | ug/l   | 99       |

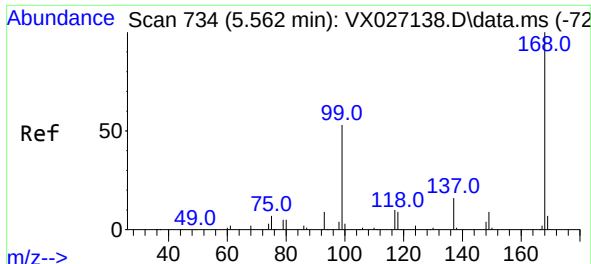
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Feb 23 13:06:57 2022  
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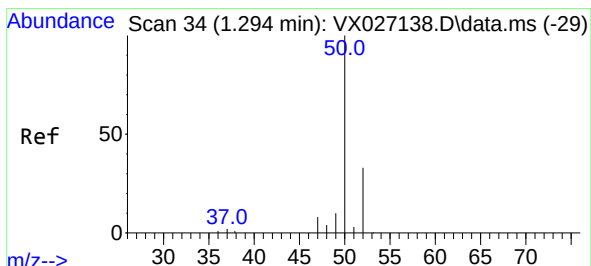
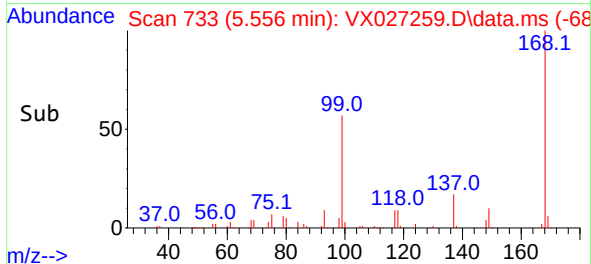
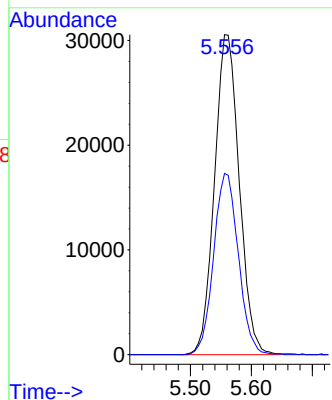
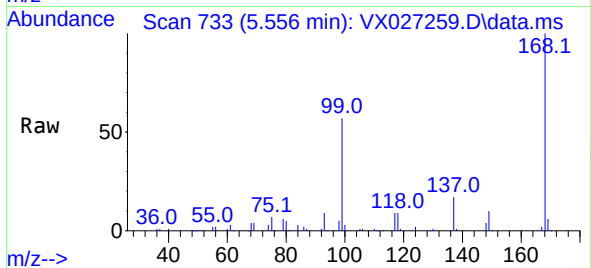




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX027259.D  
Acq: 01 Mar 2022 19:24

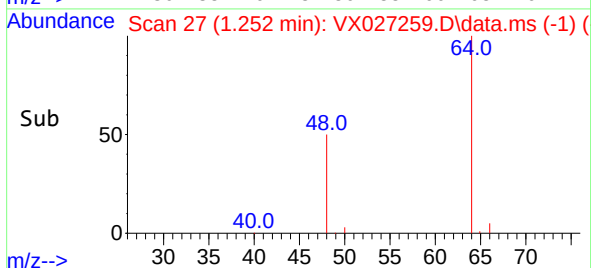
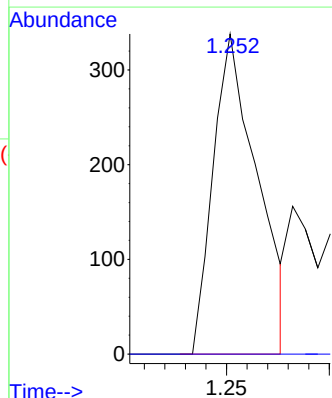
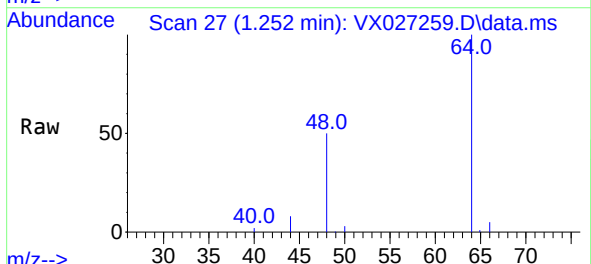
Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion:168 Resp: 86302  
Ion Ratio Lower Upper  
168 100  
99 56.7 50.3 75.5

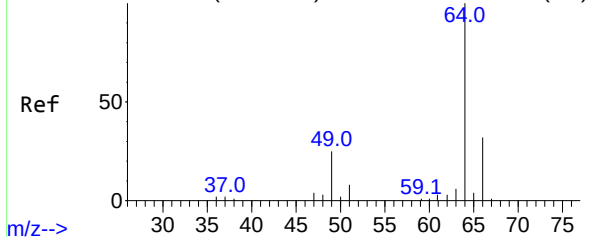


#3  
Chloromethane  
Concen: 0.630 ug/l  
RT: 1.252 min Scan# 27  
Delta R.T. -0.042 min  
Lab File: VX027259.D  
Acq: 01 Mar 2022 19:24

Tgt Ion: 50 Resp: 505  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.1 39.1#



Abundance Scan 97 (1.678 min): VX027138.D\data.ms (-91)

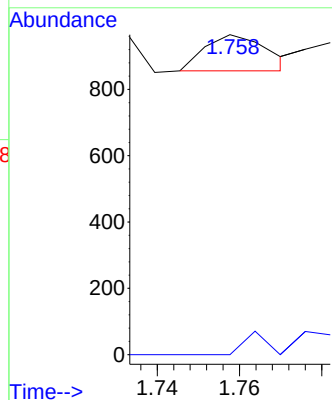
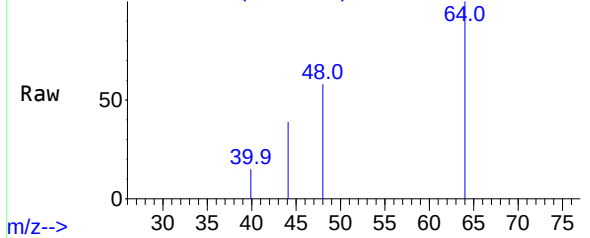


#6  
Chloroethane  
Concen: 0.232 ug/l  
RT: 1.758 min Scan# 110  
Delta R.T. 0.080 min  
Lab File: VX027259.D  
Acq: 01 Mar 2022 19:24

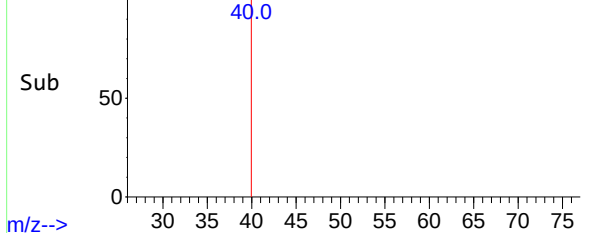
Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 64 Resp: 114  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.2#

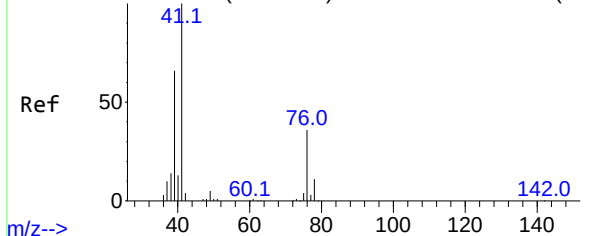
Abundance Scan 110 (1.758 min): VX027259.D\data.ms



Abundance Scan 110 (1.758 min): VX027259.D\data.ms (-48)



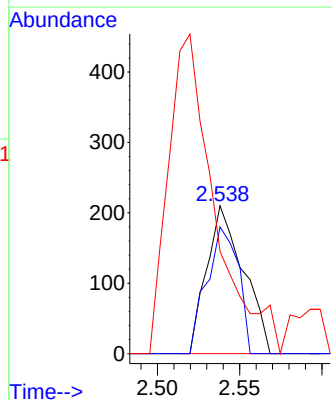
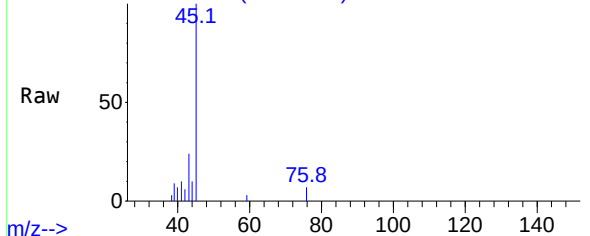
Abundance Scan 259 (2.666 min): VX027138.D\data.ms (-24)



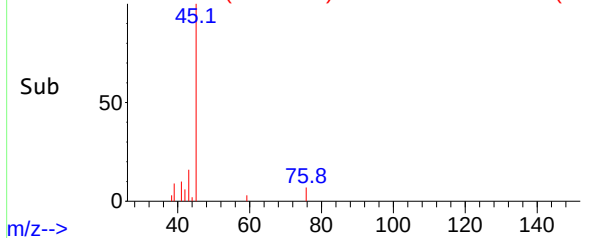
#14  
Allyl chloride  
Concen: 0.220 ug/l  
RT: 2.538 min Scan# 238  
Delta R.T. -0.128 min  
Lab File: VX027259.D  
Acq: 01 Mar 2022 19:24

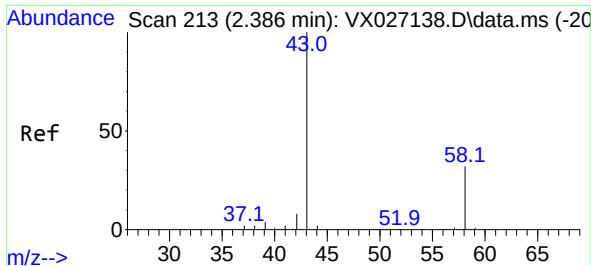
Tgt Ion: 41 Resp: 326  
Ion Ratio Lower Upper  
41 100  
39 73.3 54.2 81.4  
76 272.1 25.2 37.8#

Abundance Scan 238 (2.538 min): VX027259.D\data.ms



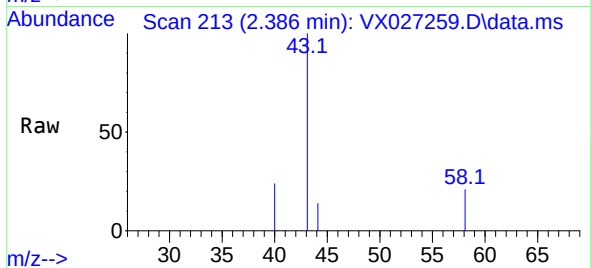
Abundance Scan 238 (2.538 min): VX027259.D\data.ms (-21)



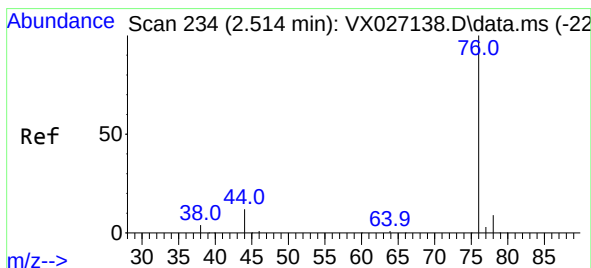
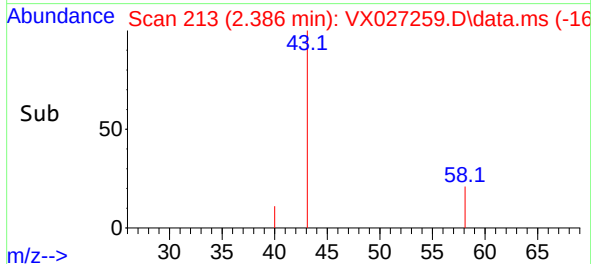
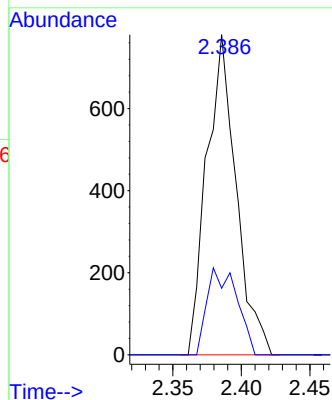


#16  
Acetone  
Concen: 2.562 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.000 min  
Lab File: VX027259.D  
Acq: 01 Mar 2022 19:24

Instrument :  
MSVOA\_X  
ClientSampleId :

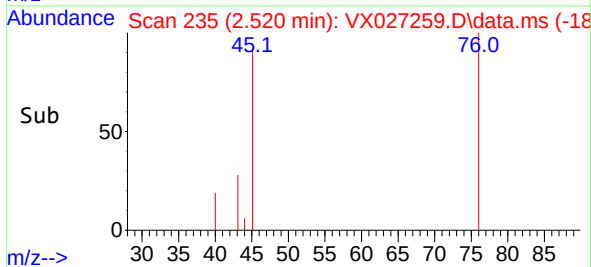
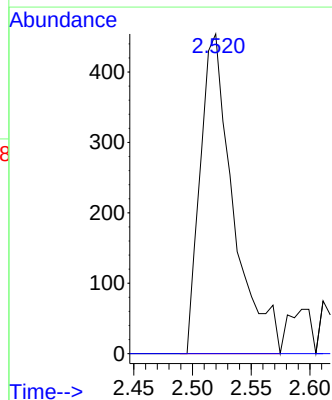
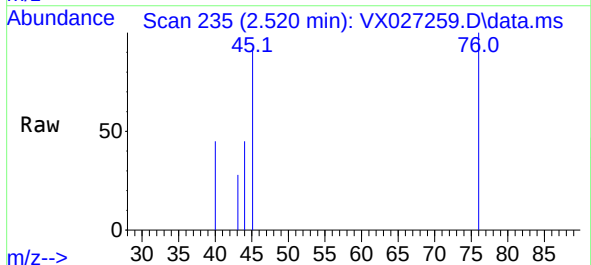


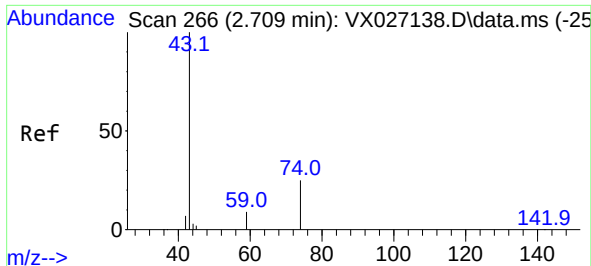
Tgt Ion: 43 Resp: 1166  
Ion Ratio Lower Upper  
43 100  
58 20.8 23.0 34.6#



#17  
Carbon Disulfide  
Concen: 0.406 ug/l  
RT: 2.520 min Scan# 235  
Delta R.T. 0.006 min  
Lab File: VX027259.D  
Acq: 01 Mar 2022 19:24

Tgt Ion: 76 Resp: 887  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.5 11.3#





#18

Methyl Acetate

Concen: 0.822 ug/l

RT: 2.538 min Scan# 21

Delta R.T. -0.171 min

Lab File: VX027259.D

Acq: 01 Mar 2022 19:24

Instrument :

MSVOA\_X

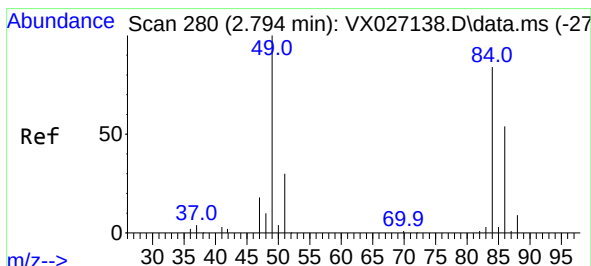
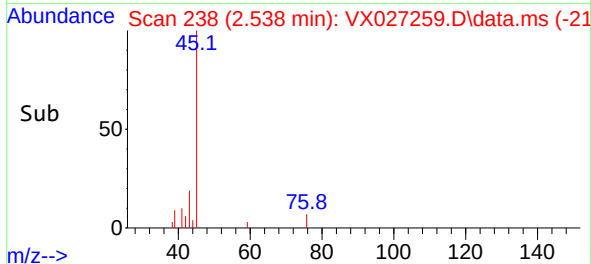
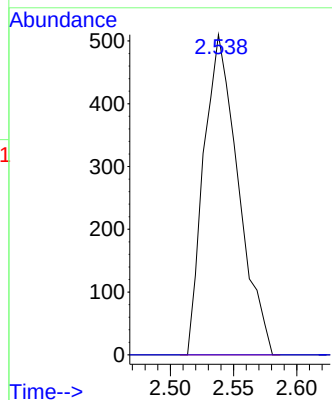
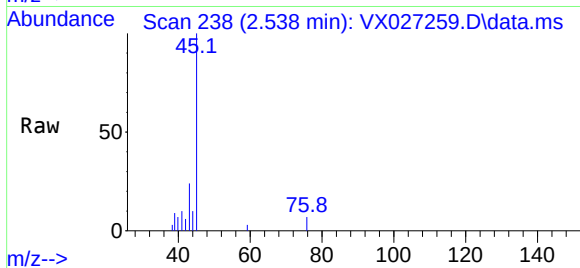
ClientSampleId :

Tgt Ion: 43 Resp: 966

Ion Ratio Lower Upper

43 100

74 0.0 18.3 27.5#



#20

Methylene Chloride

Concen: 0.286 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX027259.D

Acq: 01 Mar 2022 19:24

Tgt Ion: 84 Resp: 270

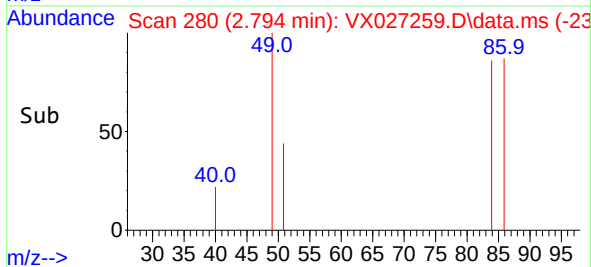
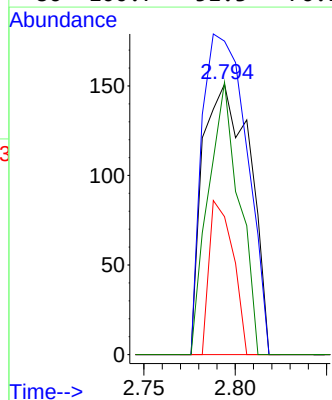
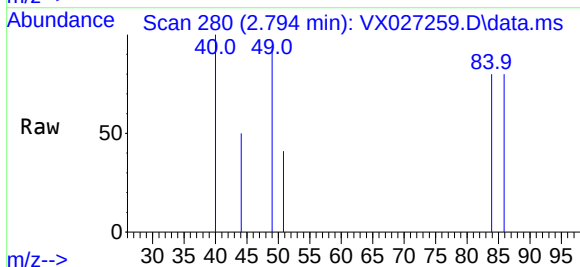
Ion Ratio Lower Upper

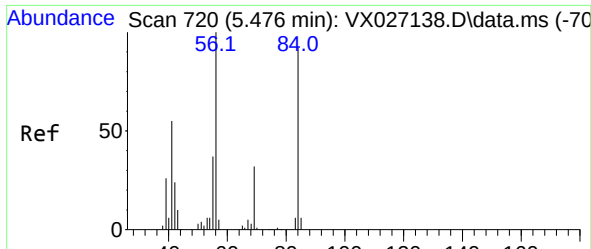
84 100

49 115.9 101.5 152.3

51 51.0 31.2 46.8#

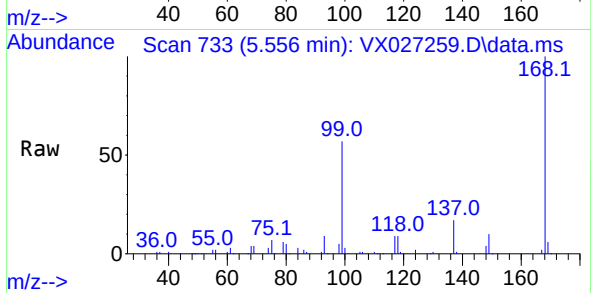
86 100.7 51.3 76.9#



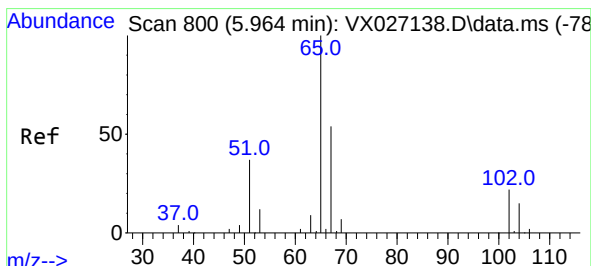
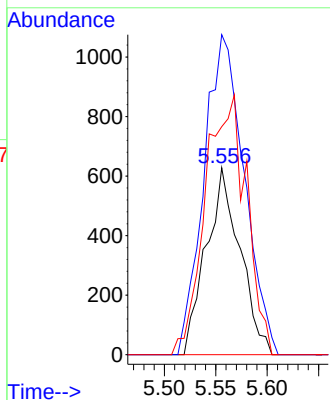
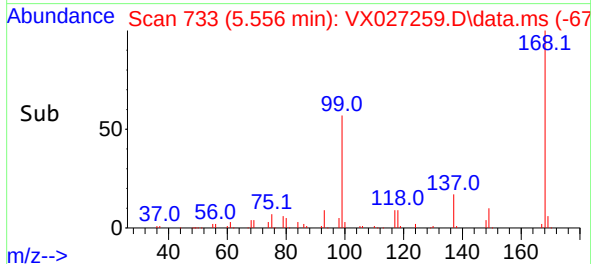


#31  
Cyclohexane  
Concen: 0.926 ug/l  
RT: 5.556 min Scan# 719  
Delta R.T. 0.080 min  
Lab File: VX027259.D  
Acq: 01 Mar 2022 19:24

Instrument :  
MSVOA\_X  
ClientSampleId :

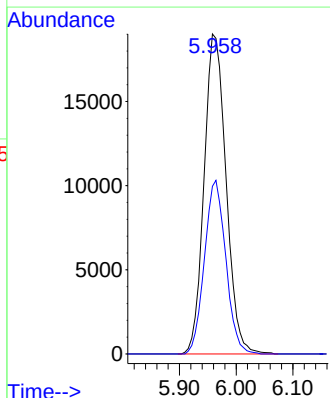
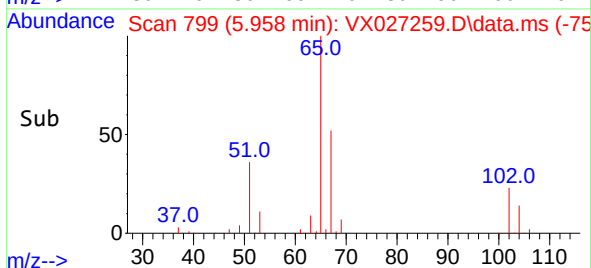
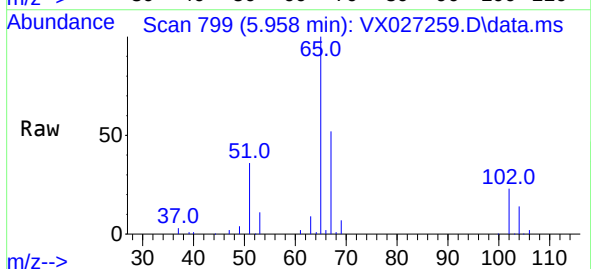


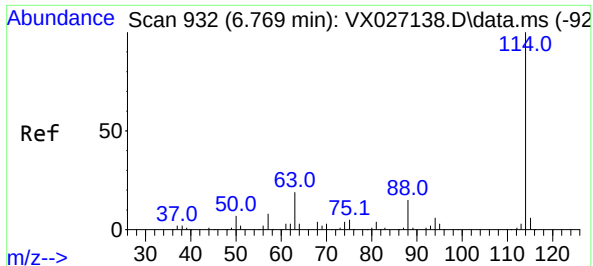
Tgt Ion: 56 Resp: 1437  
Ion Ratio Lower Upper  
56 100  
69 171.2 25.8 38.6#  
84 122.0 68.9 103.3#



#33  
1,2-Dichloroethane-d4  
Concen: 49.454 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.006 min  
Lab File: VX027259.D  
Acq: 01 Mar 2022 19:24

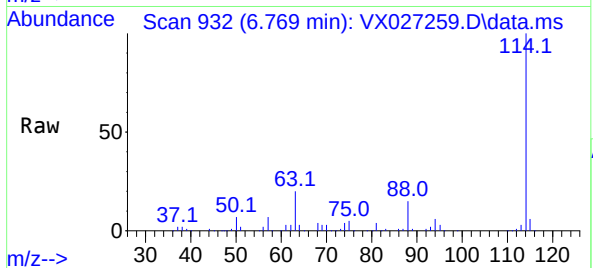
Tgt Ion: 65 Resp: 51259  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 100.8



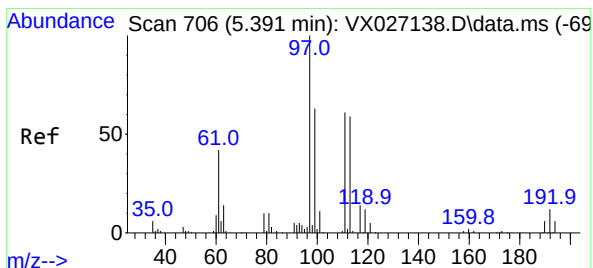
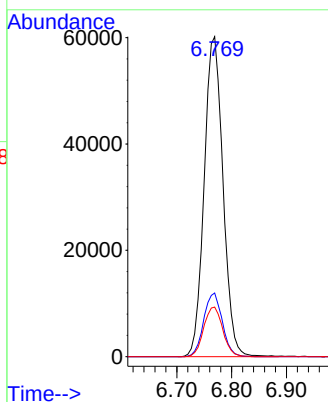
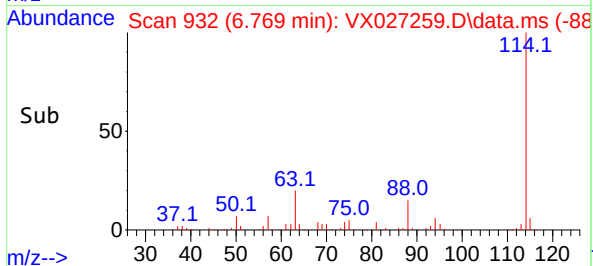


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX027259.D  
Acq: 01 Mar 2022 19:24

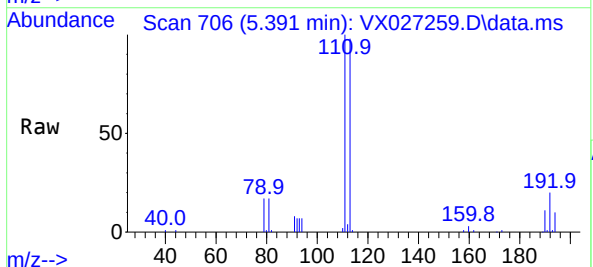
Instrument :  
MSVOA\_X  
ClientSampleId :



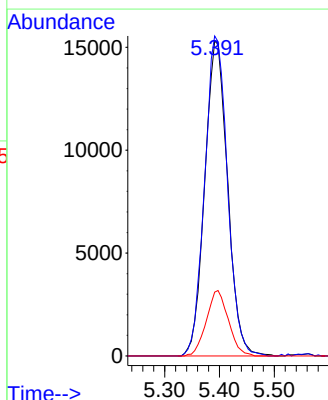
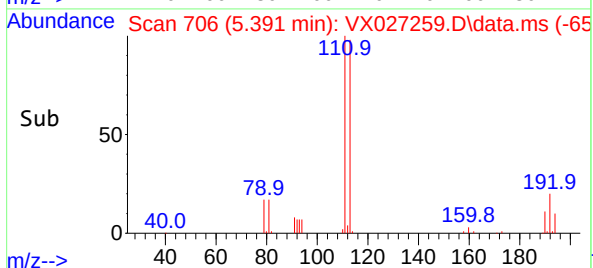
Tgt Ion:114 Resp: 143178  
Ion Ratio Lower Upper  
114 100  
63 19.9 0.0 42.8  
88 15.5 0.0 33.0



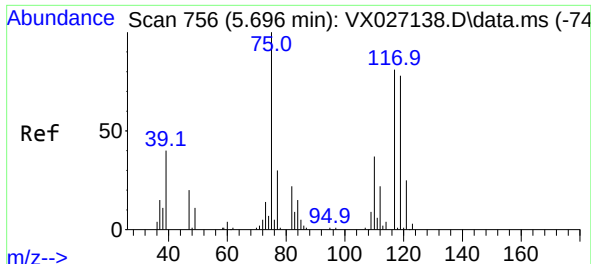
#35  
Dibromofluoromethane  
Concen: 49.812 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX027259.D  
Acq: 01 Mar 2022 19:24



Tgt Ion:113 Resp: 44269  
Ion Ratio Lower Upper  
113 100  
111 101.7 81.2 121.8  
192 20.0 15.0 22.4



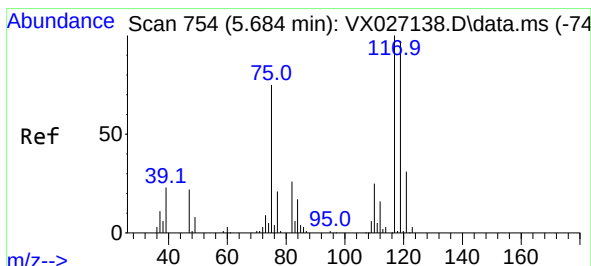
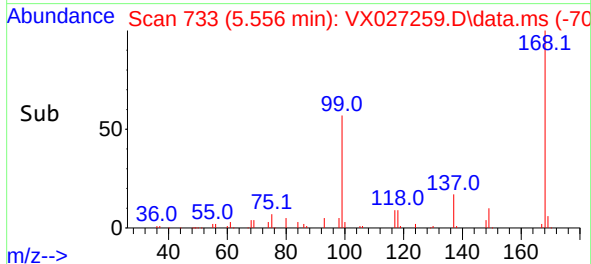
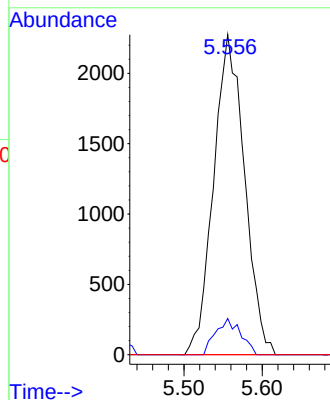
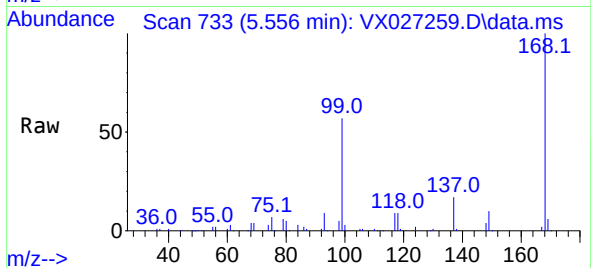




#36  
1,1-Dichloropropene  
Concen: 4.811 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.140 min  
Lab File: VX027259.D  
Acq: 01 Mar 2022 19:24

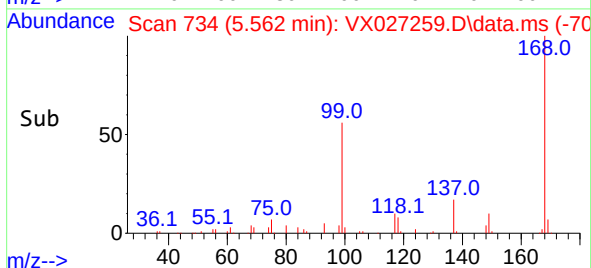
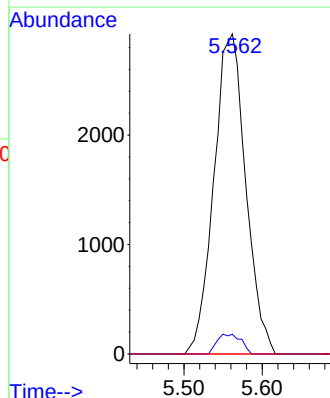
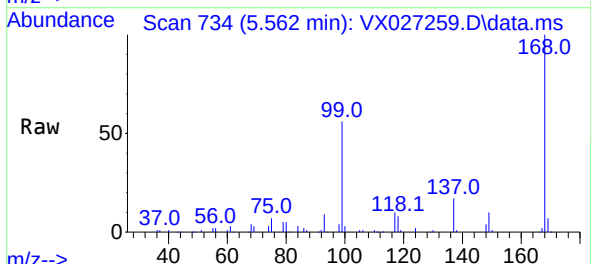
Instrument :  
MSVOA\_X  
ClientSampleId :

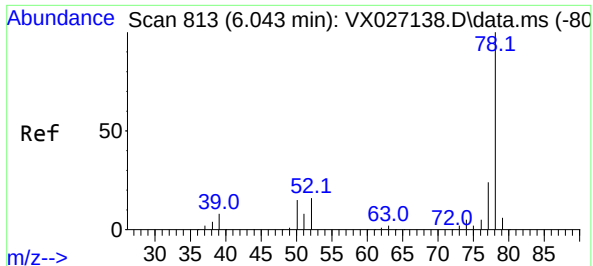
Tgt Ion: 75 Resp: 6240  
Ion Ratio Lower Upper  
75 100  
110 9.1 17.2 51.6#  
77 0.0 24.6 36.8#



#38  
Carbon Tetrachloride  
Concen: 6.105 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.122 min  
Lab File: VX027259.D  
Acq: 01 Mar 2022 19:24

Tgt Ion: 117 Resp: 8258  
Ion Ratio Lower Upper  
117 100  
119 6.2 74.7 112.1#  
121 0.0 25.4 38.0#

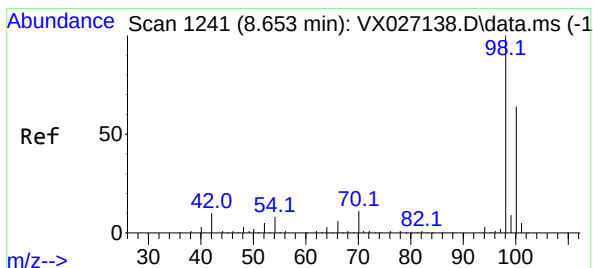
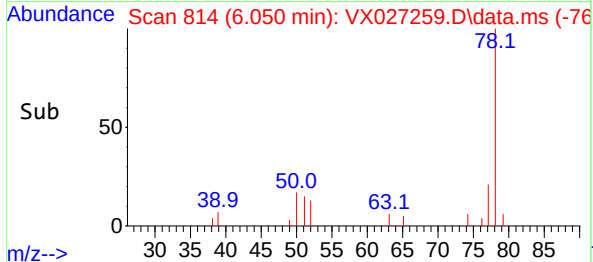
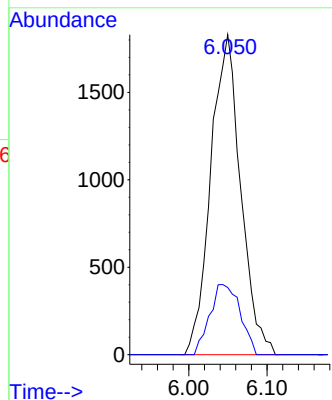
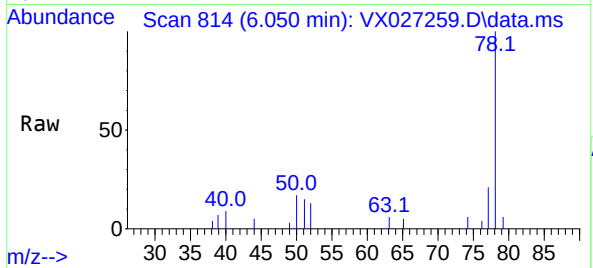




#40  
Benzene  
Concen: 1.282 ug/l  
RT: 6.050 min Scan# 813  
Delta R.T. 0.007 min  
Lab File: VX027259.D  
Acq: 01 Mar 2022 19:24

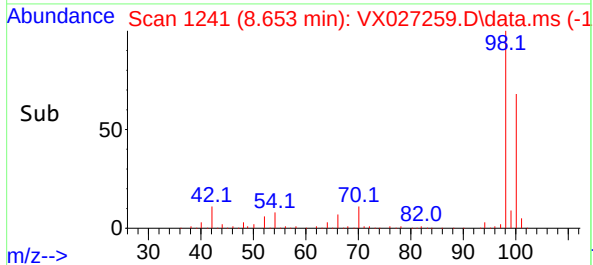
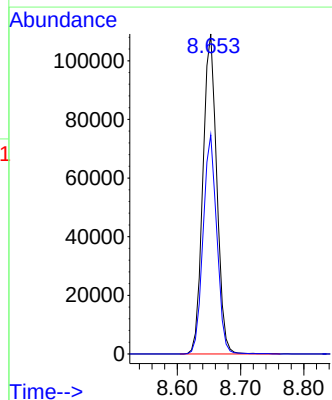
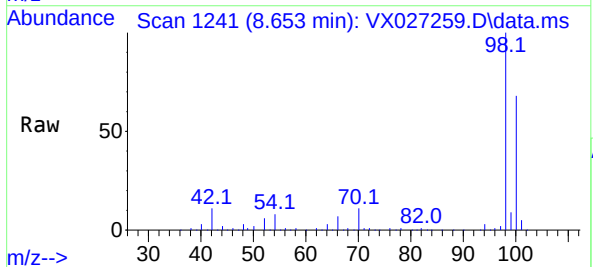
Instrument :  
MSVOA\_X  
ClientSampleId :

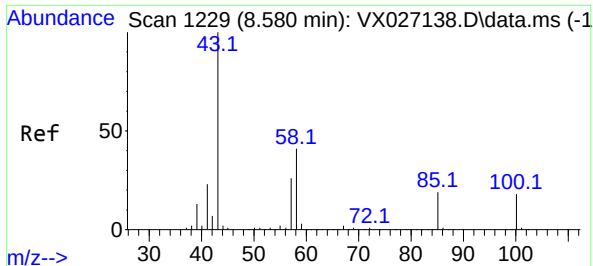
Tgt Ion: 78 Resp: 4861  
Ion Ratio Lower Upper  
78 100  
77 21.0 18.9 28.3



#50  
Toluene-d8  
Concen: 50.202 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX027259.D  
Acq: 01 Mar 2022 19:24

Tgt Ion: 98 Resp: 166826  
Ion Ratio Lower Upper  
98 100  
100 67.6 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 0.450 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX027259.D

Acq: 01 Mar 2022 19:24

Instrument :

MSVOA\_X

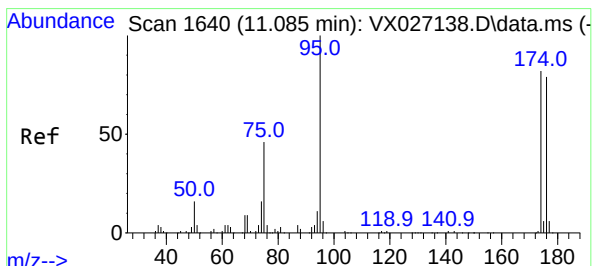
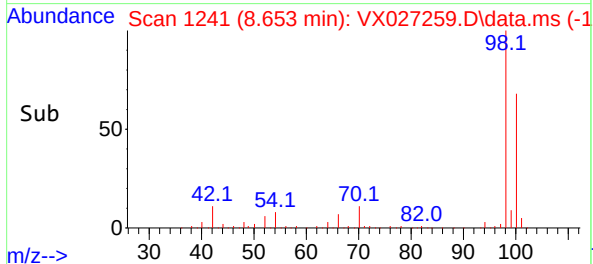
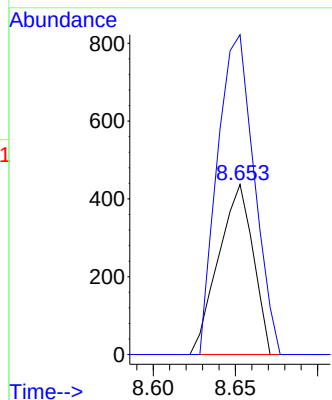
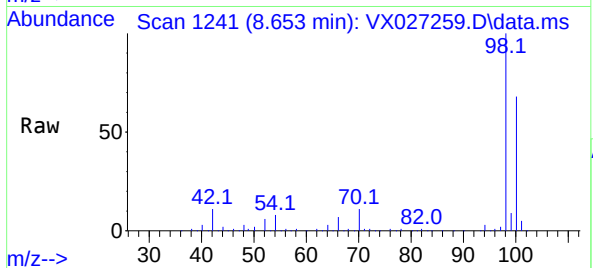
ClientSampleId :

Tgt Ion: 43 Resp: 641

Ion Ratio Lower Upper

43 100

58 198.9 30.5 45.7#



#62

4-Bromofluorobenzene

Concen: 49.190 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX027259.D

Acq: 01 Mar 2022 19:24

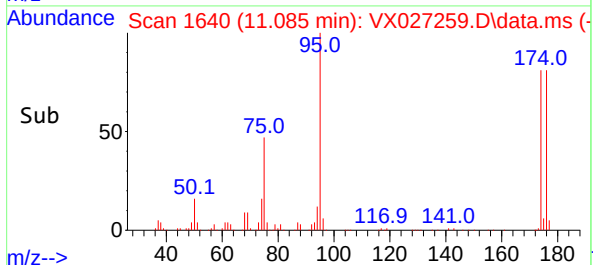
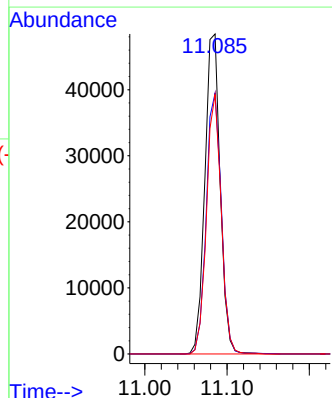
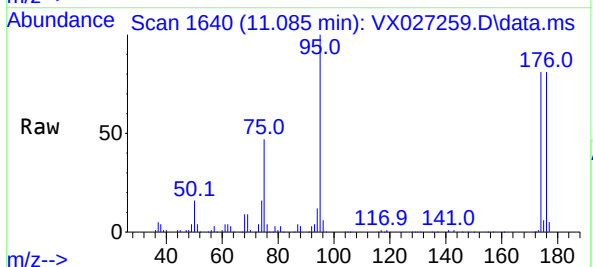
Tgt Ion: 95 Resp: 62745

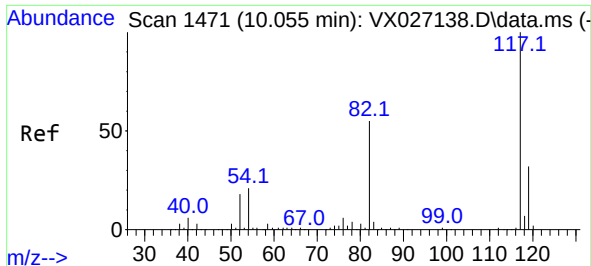
Ion Ratio Lower Upper

95 100

174 80.2 0.0 148.6

176 77.8 0.0 141.4

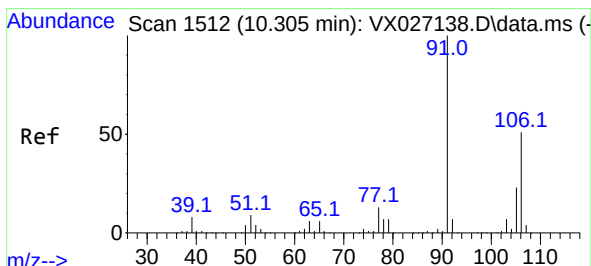
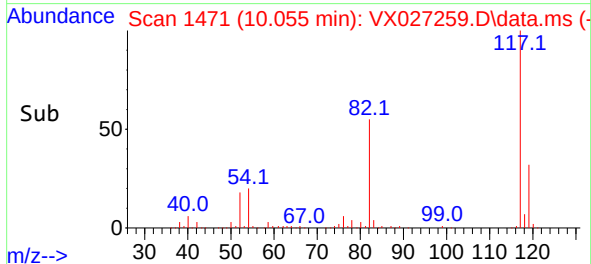
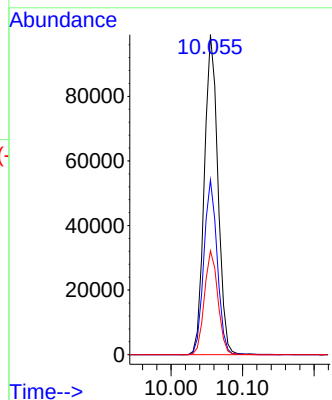
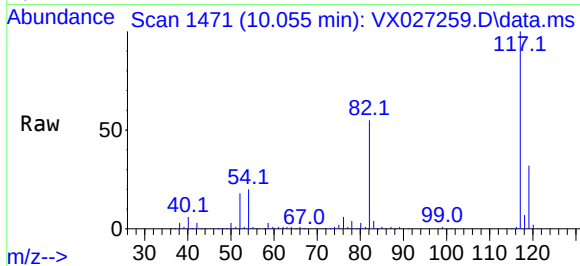




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX027259.D  
Acq: 01 Mar 2022 19:24

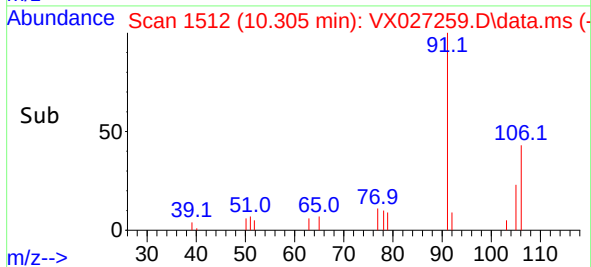
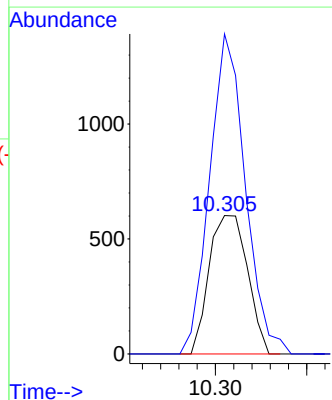
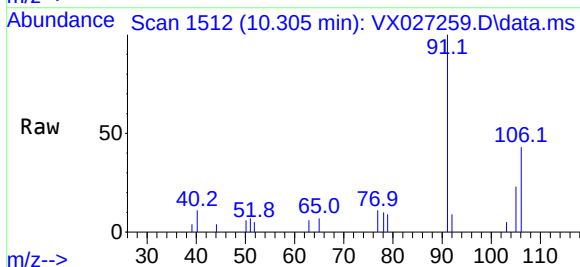
Instrument :  
MSVOA\_X  
ClientSampleId :

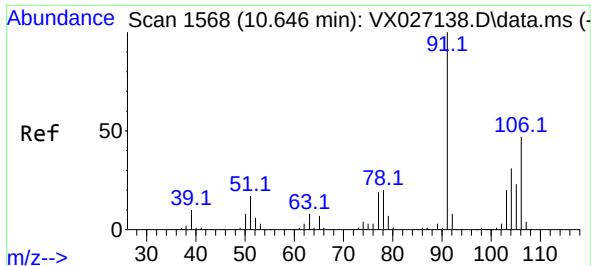
Tgt Ion:117 Resp: 130847  
Ion Ratio Lower Upper  
117 100  
82 54.6 45.2 67.8  
119 32.5 26.2 39.2



#68  
m/p-Xylenes  
Concen: 0.489 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. -0.000 min  
Lab File: VX027259.D  
Acq: 01 Mar 2022 19:24

Tgt Ion:106 Resp: 880  
Ion Ratio Lower Upper  
106 100  
91 214.8 165.3 247.9

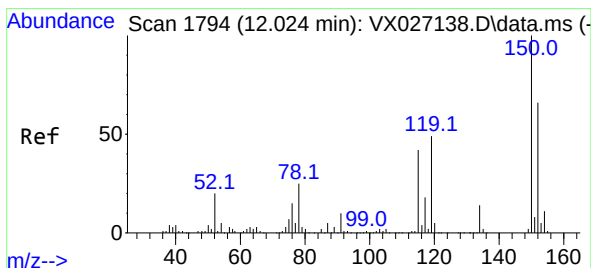
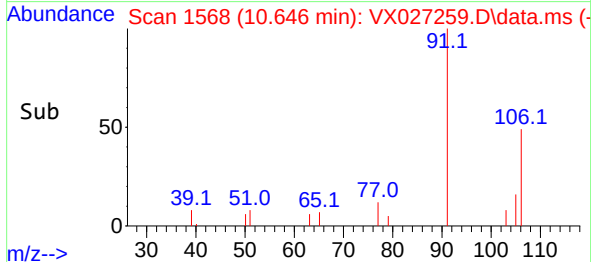
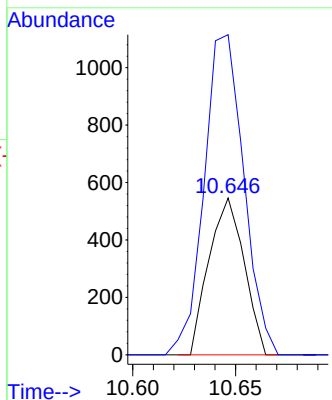
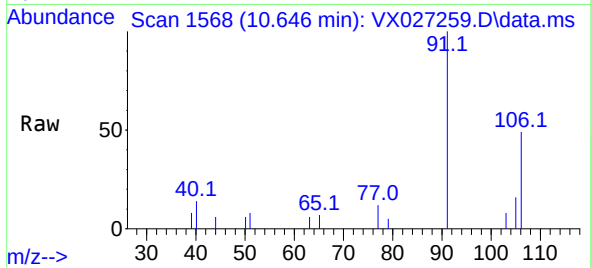




#69  
o-Xylene  
Concen: 0.359 ug/l  
RT: 10.646 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX027259.D  
Acq: 01 Mar 2022 19:24

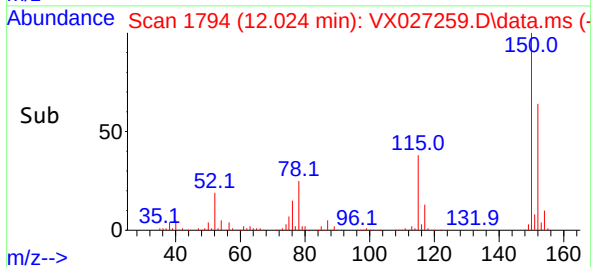
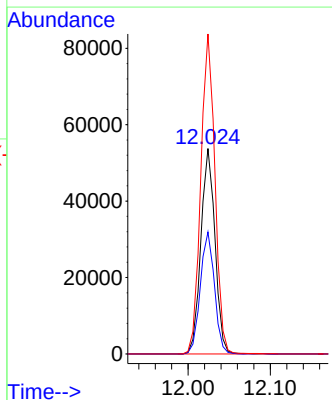
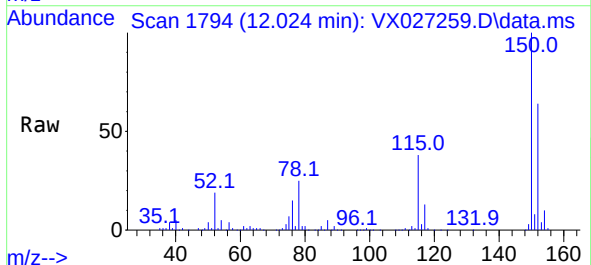
Instrument :  
MSVOA\_X  
ClientSampleId :

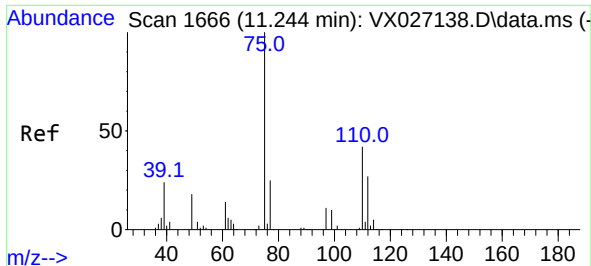
Tgt Ion:106 Resp: 648  
Ion Ratio Lower Upper  
106 100  
91 230.7 109.7 329.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX027259.D  
Acq: 01 Mar 2022 19:24

Tgt Ion:152 Resp: 64100  
Ion Ratio Lower Upper  
152 100  
115 59.4 44.2 132.6  
150 156.3 0.0 348.2

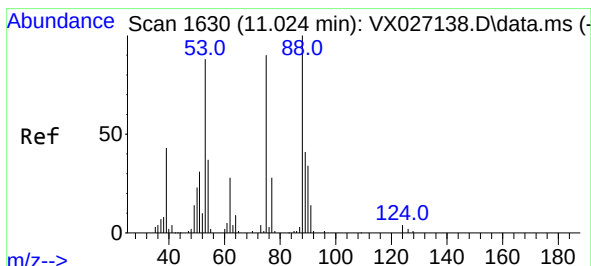
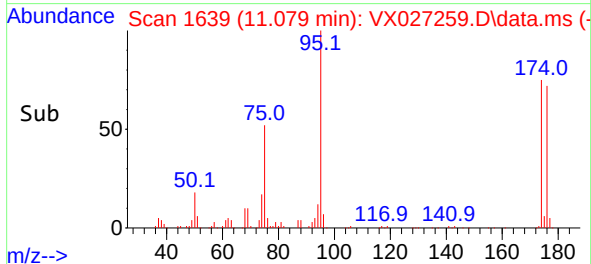
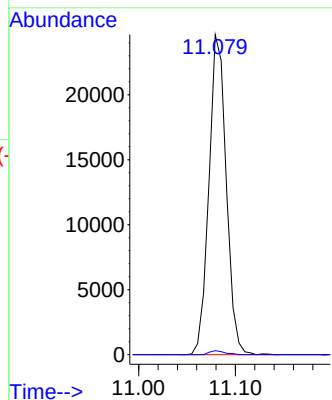
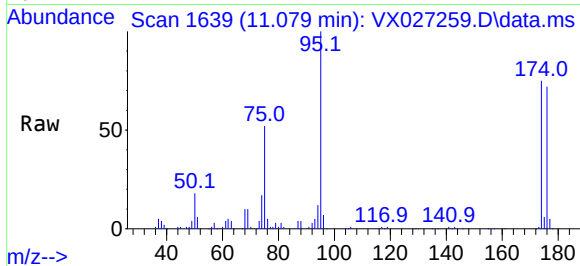




#76  
1,2,3-Trichloropropane  
Concen: 23.765 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX027259.D  
Acq: 01 Mar 2022 19:24

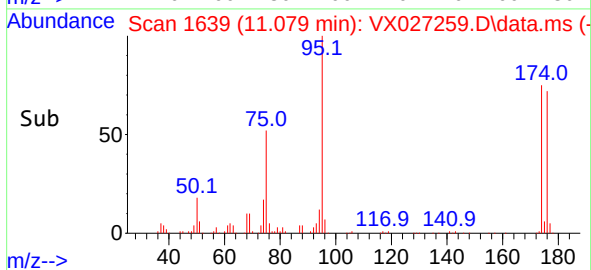
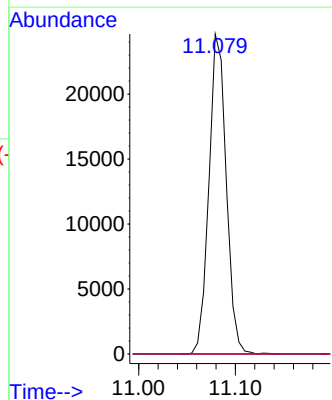
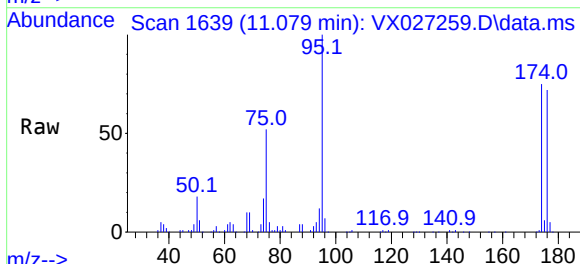
Instrument :  
MSVOA\_X  
ClientSampleId :

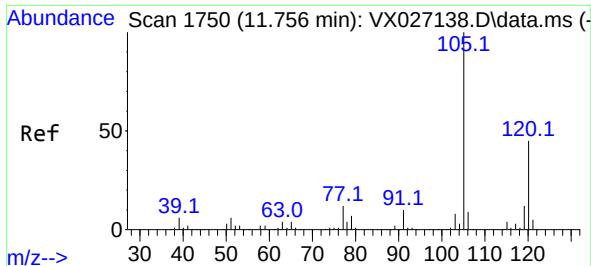
Tgt Ion: 75 Resp: 30683  
Ion Ratio Lower Upper  
75 100  
77 1.1 18.3 54.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 67.552 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.055 min  
Lab File: VX027259.D  
Acq: 01 Mar 2022 19:24

Tgt Ion: 75 Resp: 30683  
Ion Ratio Lower Upper  
75 100  
53 0.0 94.0 141.0#  
89 0.0 37.0 55.4#

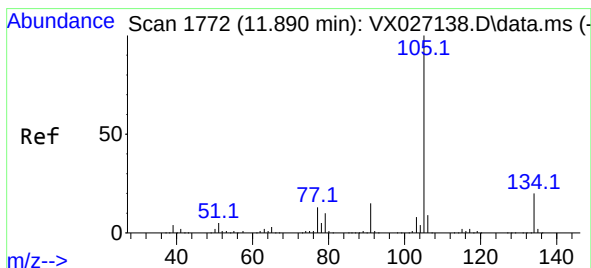
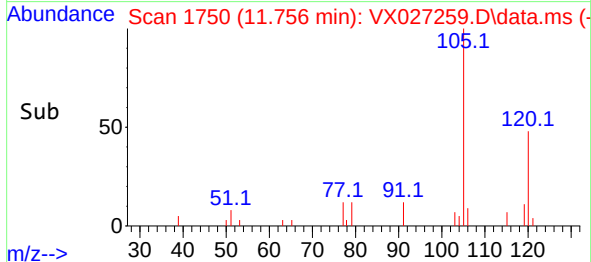
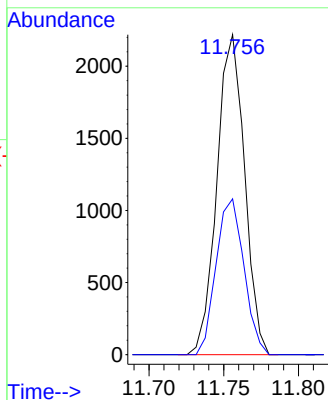
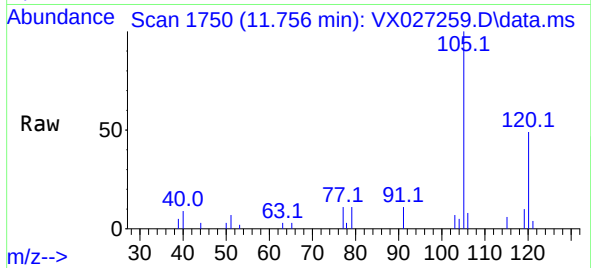




#84  
1,2,4-Trimethylbenzene  
Concen: 0.744 ug/l  
RT: 11.756 min Scan# 1750  
Delta R.T. -0.000 min  
Lab File: VX027259.D  
Acq: 01 Mar 2022 19:24

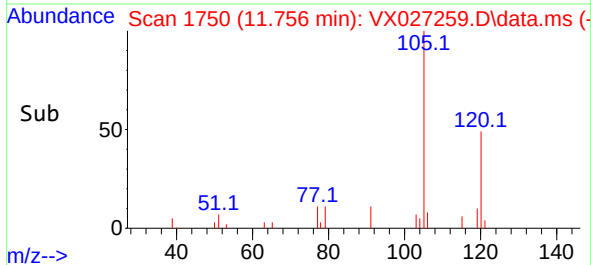
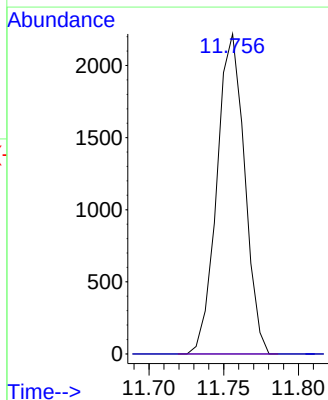
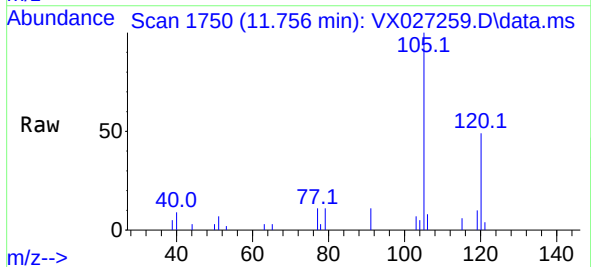
Instrument :  
MSVOA\_X  
ClientSampleId :

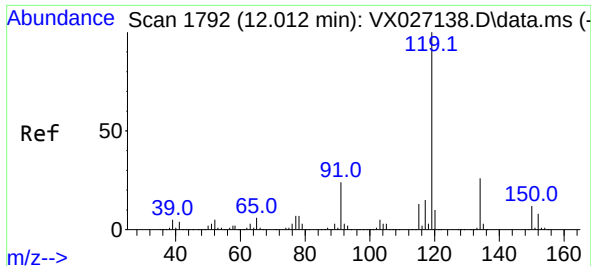
Tgt Ion:105 Resp: 2856  
Ion Ratio Lower Upper  
105 100  
120 48.9 21.9 65.5



#85  
sec-Butylbenzene  
Concen: 0.607 ug/l  
RT: 11.756 min Scan# 1750  
Delta R.T. -0.134 min  
Lab File: VX027259.D  
Acq: 01 Mar 2022 19:24

Tgt Ion:105 Resp: 2856  
Ion Ratio Lower Upper  
105 100  
134 0.0 10.1 30.1#





#86

p-Isopropyltoluene

Concen: 1.753 ug/l

RT: 12.244 min Scan# 1830

Delta R.T. 0.232 min

Lab File: VX027259.D

Acq: 01 Mar 2022 19:24

Instrument :

MSVOA\_X

ClientSampleId :

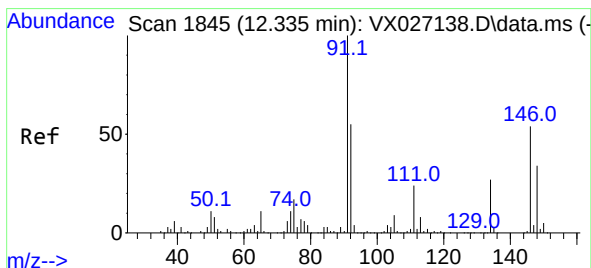
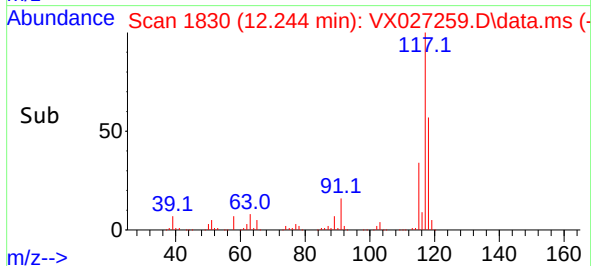
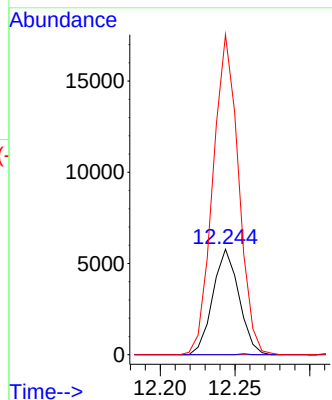
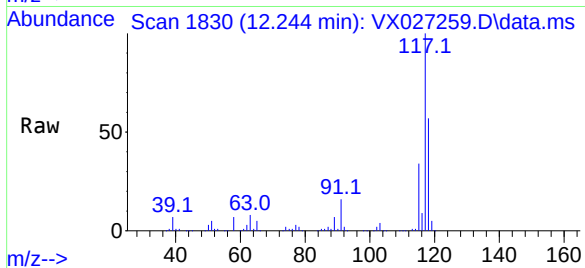
Tgt Ion:119 Resp: 7028

Ion Ratio Lower Upper

119 100

134 0.3 13.0 39.0#

91 297.9 12.6 37.6#



#89

n-Butylbenzene

Concen: 6.249 ug/l

RT: 12.244 min Scan# 1830

Delta R.T. -0.091 min

Lab File: VX027259.D

Acq: 01 Mar 2022 19:24

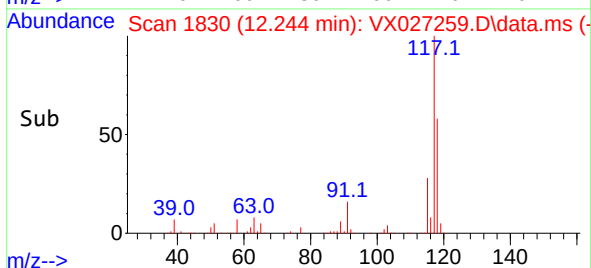
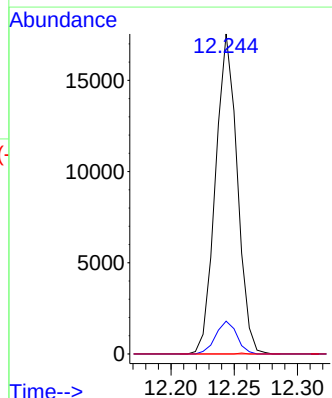
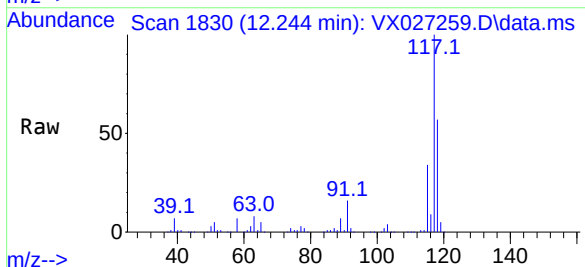
Tgt Ion: 91 Resp: 20937

Ion Ratio Lower Upper

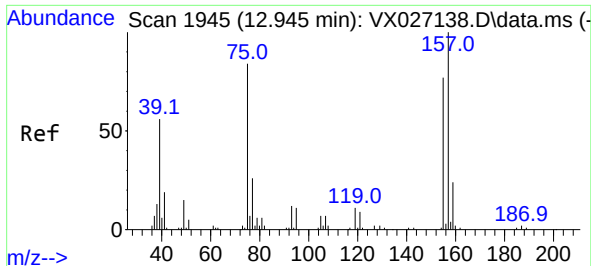
91 100

92 9.9 27.2 81.6#

134 0.1 13.1 39.1#

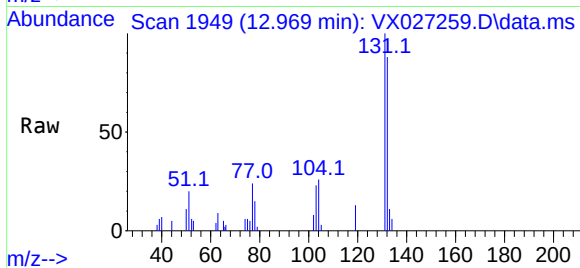




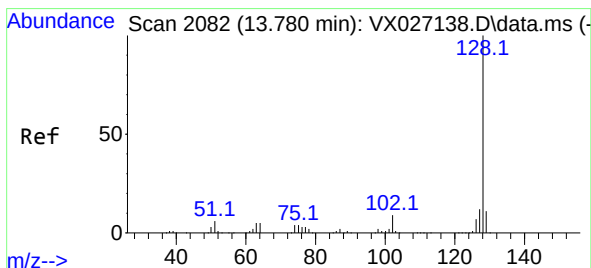
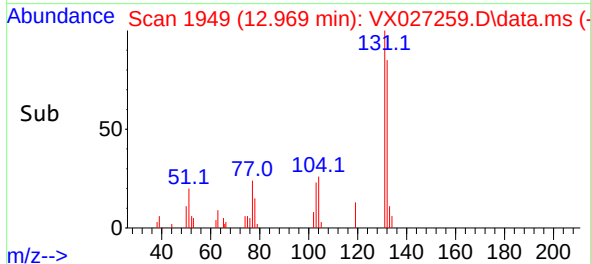
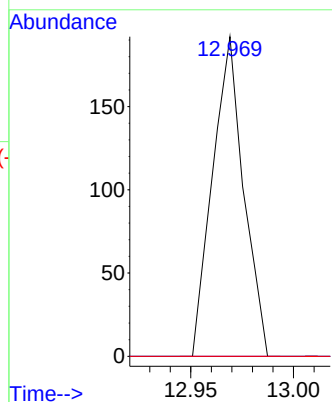


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 0.642 ug/l  
RT: 12.969 min Scan# 1949  
Delta R.T. 0.024 min  
Lab File: VX027259.D  
Acq: 01 Mar 2022 19:24

Instrument :  
MSVOA\_X  
ClientSampleId :



Tgt Ion: 75 Resp: 202  
Ion Ratio Lower Upper  
75 100  
155 0.0 40.0 119.9#  
157 0.0 51.6 154.8#



#95  
Naphthalene  
Concen: 355.968 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: VX027259.D  
Acq: 01 Mar 2022 19:24

Tgt Ion:128 Resp: 1603343  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.3 15.5  
129 11.3 8.7 13.1

