

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112822\  
 Data File : VX033094.D  
 Acq On : 28 Nov 2022 17:01  
 Operator : JC/MD  
 Sample : N5655-01 20X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SEMI-ANNUAL-CONDENSATE

Quant Time: Nov 29 03:44:48 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X111022W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Nov 11 05:24:06 2022  
 Response via : Initial Calibration

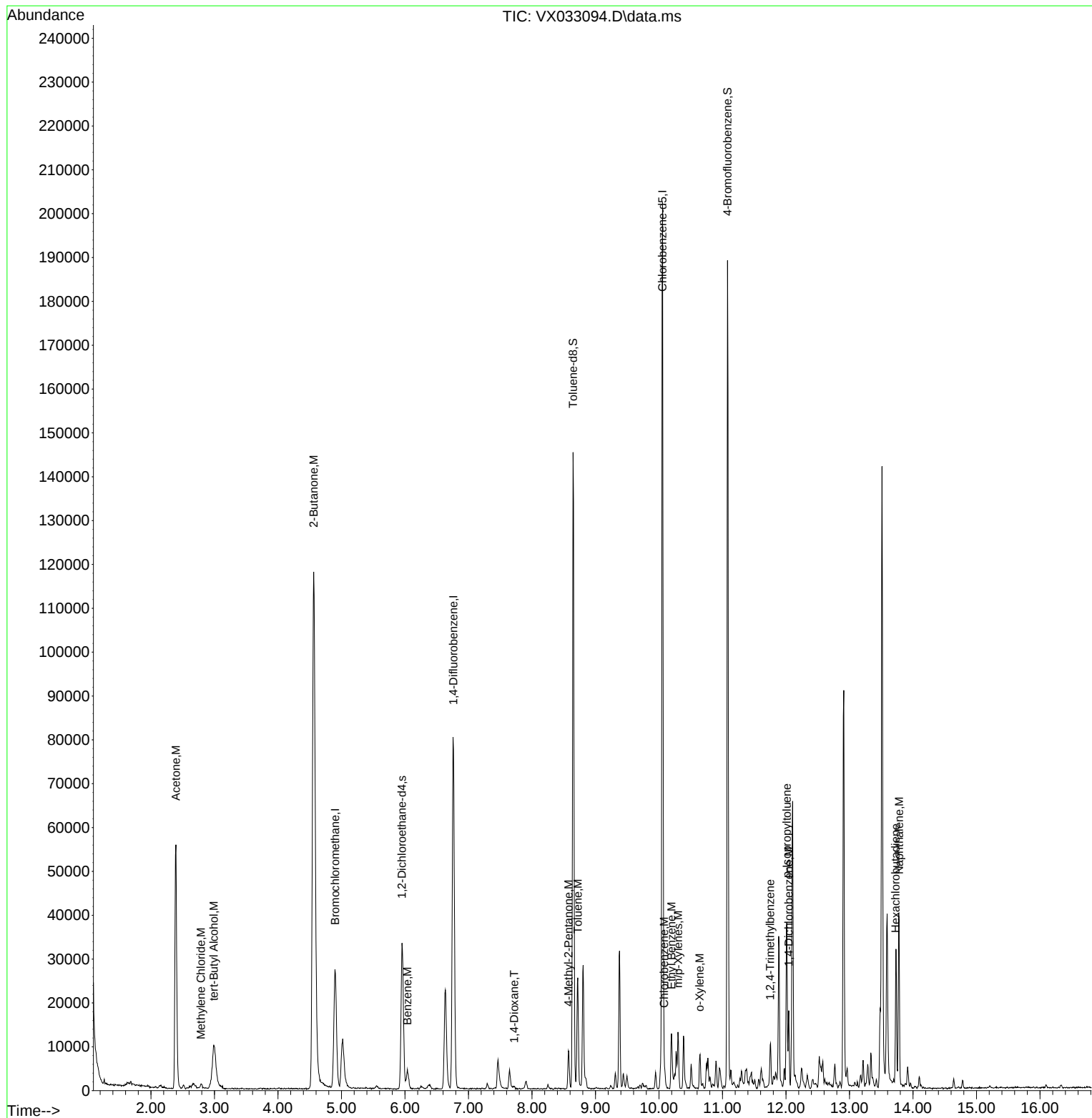
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 4.898  | 128   | 11739    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 6.763  | 114   | 82512    | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 10.055 | 117   | 87725    | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 5.952  | 65    | 33351    | 29.449   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =      | 98.167%  |
| 60) 4-Bromofluorobenzene    | 11.079 | 95    | 46726    | 27.845   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =      | 92.833%  |
| 63) Toluene-d8              | 8.647  | 98    | 86302    | 29.151   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =      | 97.167%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 15) Acetone                 | 2.392  | 58    | 20450    | 129.684  | ug/l   | 74       |
| 18) Methylene Chloride      | 2.788  | 84    | 492      | 0.374    | ug/l   | 96       |
| 23) tert-Butyl Alcohol      | 2.989  | 59    | 20008    | 101.614  | ug/l # | 100      |
| 30) 2-Butanone              | 4.562  | 43    | 132981   | 155.849  | ug/l # | 90       |
| 34) Benzene                 | 6.038  | 78    | 4455     | 0.864    | ug/l # | 87       |
| 45) 1,4-Dioxane             | 7.720  | 88    | 347      | 12.559   | ug/l   | 92       |
| 58) 4-Methyl-2-Pentanone    | 8.574  | 43    | 5314     | 3.094    | ug/l # | 92       |
| 62) Toluene                 | 8.720  | 91    | 15250    | 2.673    | ug/l   | 98       |
| 64) Chlorobenzene           | 10.080 | 112   | 1068     | 0.303    | ug/l   | 90       |
| 66) Ethyl Benzene           | 10.195 | 91    | 7357     | 1.150    | ug/l   | 92       |
| 67) m/p-Xylenes             | 10.299 | 106   | 2871     | 1.153    | ug/l   | 85       |
| 68) o-Xylene                | 10.640 | 106   | 1752     | 0.717    | ug/l   | 93       |
| 80) 1,2,4-Trimethylbenzene  | 11.750 | 105   | 4339     | 0.805    | ug/l   | 96       |
| 82) p-Isopropyltoluene      | 12.012 | 119   | 15739    | 2.894    | ug/l   | 96       |
| 84) 1,4-Dichlorobenzene     | 12.043 | 146   | 5274     | 1.806    | ug/l   | 94       |
| 90) Hexachlorobutadiene     | 13.725 | 225   | 375      | 0.525    | ug/l   | 90       |
| 91) Naphthalene             | 13.780 | 128   | 23502    | 3.922    | ug/l   | 98       |
| -----                       |        |       |          |          |        |          |

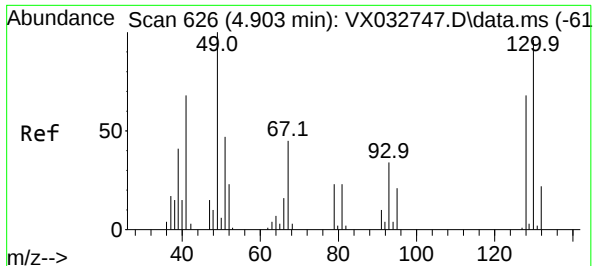
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112822\  
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SEMI-ANNUAL-CONDENSATE

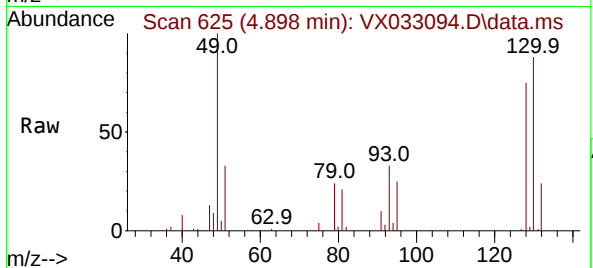
Quant Time: Nov 29 03:44:48 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X111022W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Nov 11 05:24:06 2022  
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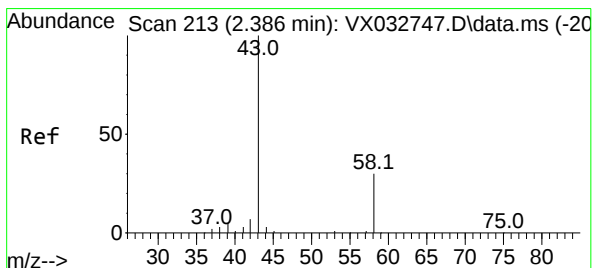
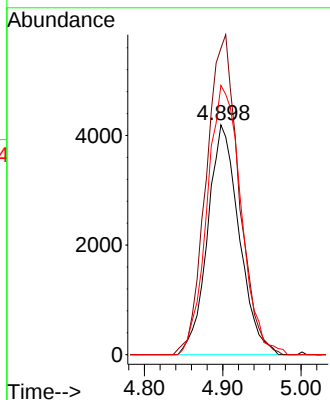
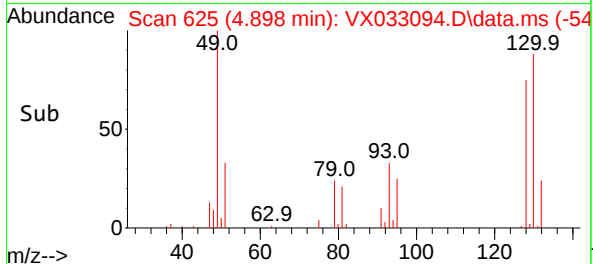


#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.898 min Scan# 61  
Delta R.T. -0.005 min  
Lab File: VX033094.D  
Acq: 28 Nov 2022 17:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
SEMI-ANNUAL-CONDENSATE

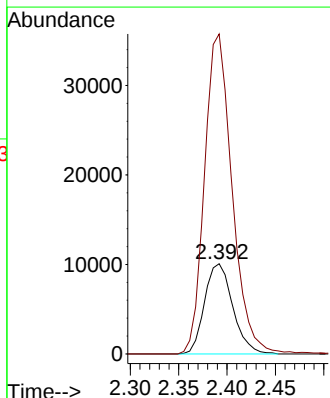
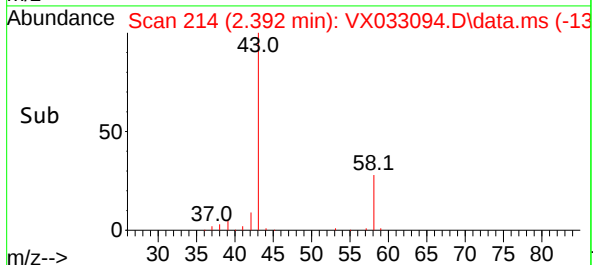
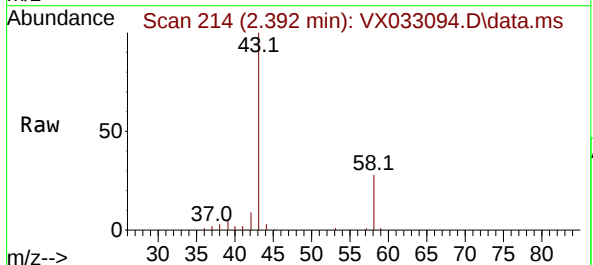


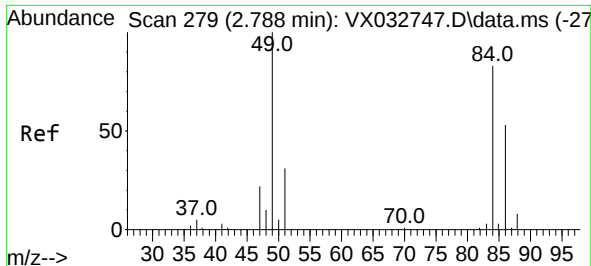
Tgt Ion:128 Resp: 11739  
Ion Ratio Lower Upper  
128 100  
49 144.2 0.0 293.0  
130 126.7 0.0 321.5



#15  
Acetone  
Concen: 129.684 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. 0.006 min  
Lab File: VX033094.D  
Acq: 28 Nov 2022 17:01

Tgt Ion: 58 Resp: 20450  
Ion Ratio Lower Upper  
58 100  
43 354.7 242.6 364.0





#18

Methylene Chloride

Concen: 0.374 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX033094.D

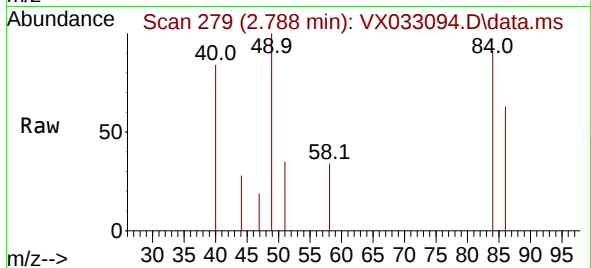
Acq: 28 Nov 2022 17:01

Instrument :

MSVOA\_X

ClientSampleId :

SEMI-ANNUAL-CONDENSATE



Tgt Ion: 84 Resp: 492

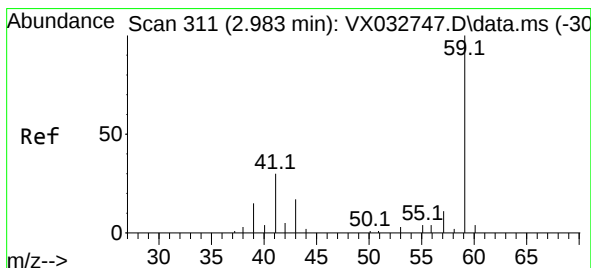
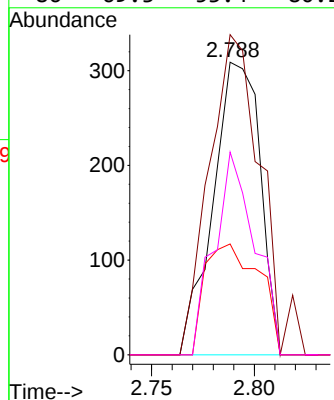
Ion Ratio Lower Upper

84 100

49 109.4 84.6 127.0

51 37.9 26.5 39.7

86 69.3 53.4 80.2



#23

tert-Butyl Alcohol

Concen: 101.614 ug/l

RT: 2.989 min Scan# 312

Delta R.T. 0.006 min

Lab File: VX033094.D

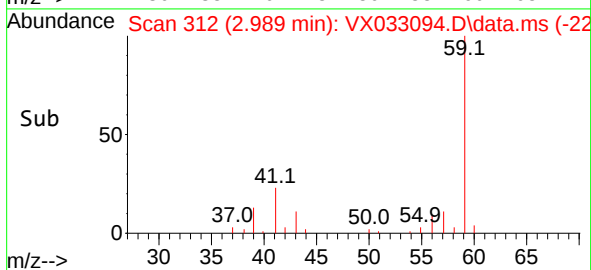
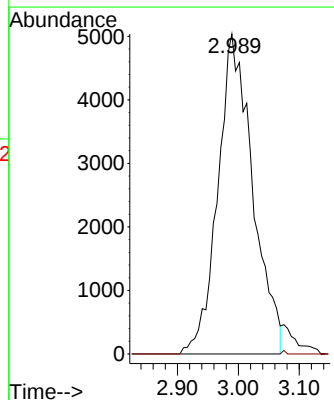
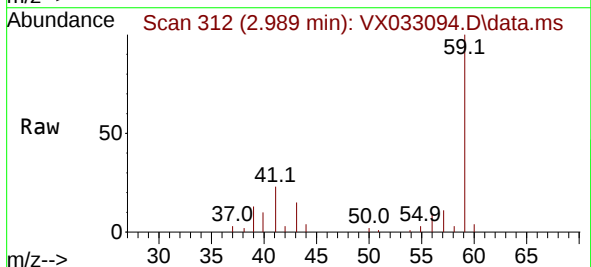
Acq: 28 Nov 2022 17:01

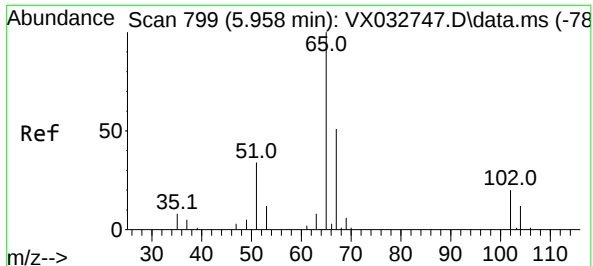
Tgt Ion: 59 Resp: 20008

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 29.449 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033094.D

Acq: 28 Nov 2022 17:01

Instrument :

MSVOA\_X

ClientSampleId :

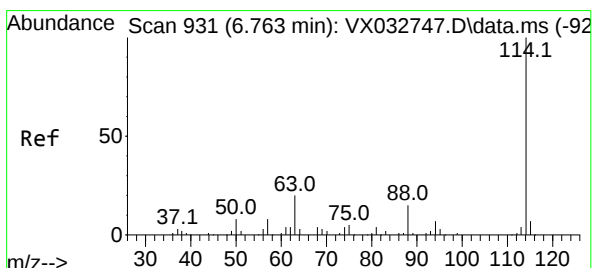
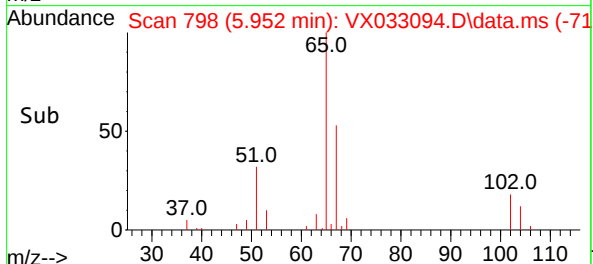
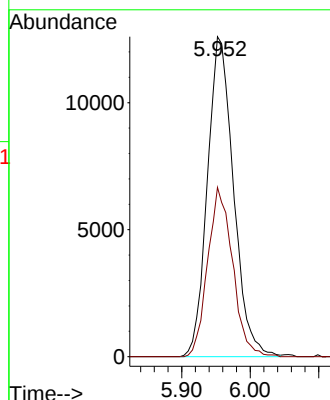
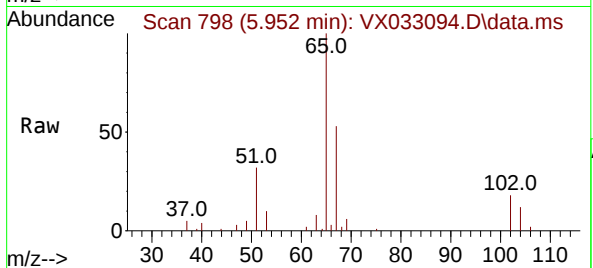
SEMI-ANNUAL-CONDENSATE

Tgt Ion: 65 Resp: 33351

Ion Ratio Lower Upper

65 100

67 50.4 41.8 62.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033094.D

Acq: 28 Nov 2022 17:01

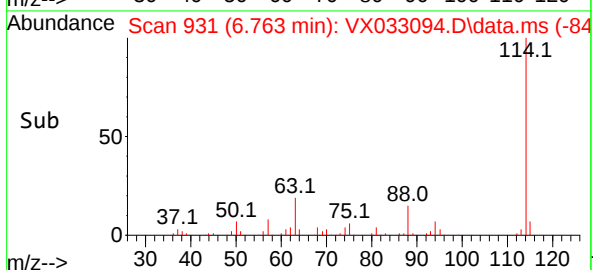
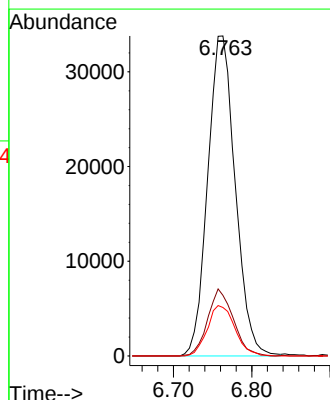
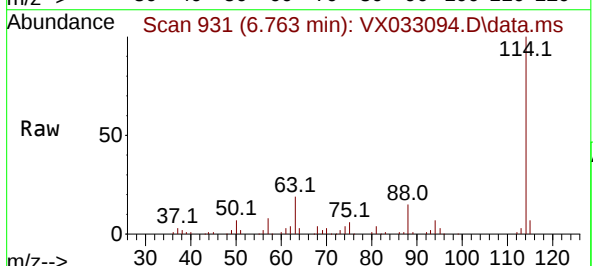
Tgt Ion: 114 Resp: 82512

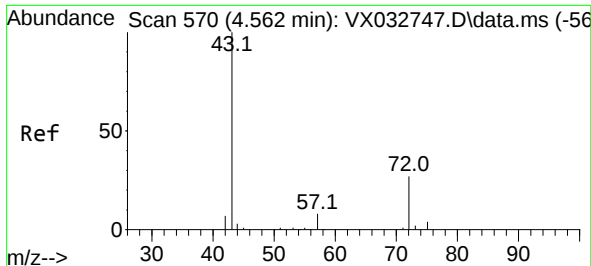
Ion Ratio Lower Upper

114 100

63 19.5 13.6 20.4

88 15.7 11.8 17.6

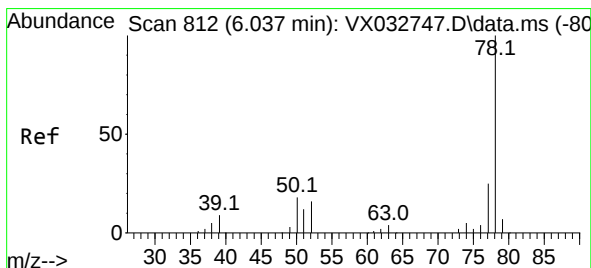
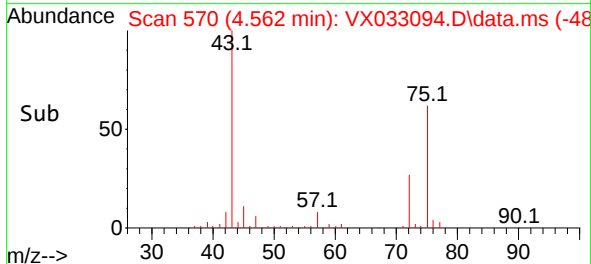
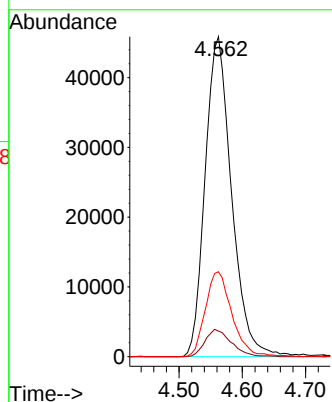
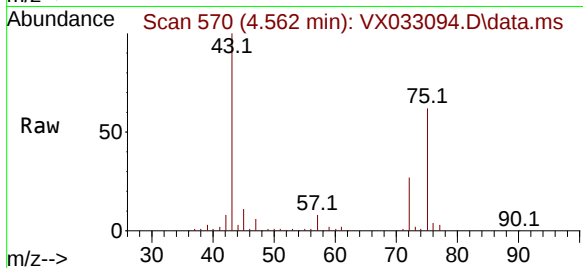




#30  
2-Butanone  
Concen: 155.849 ug/l  
RT: 4.562 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VX033094.D  
Acq: 28 Nov 2022 17:01

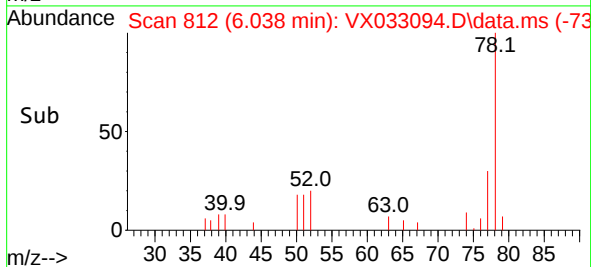
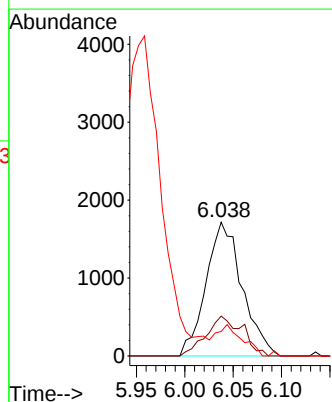
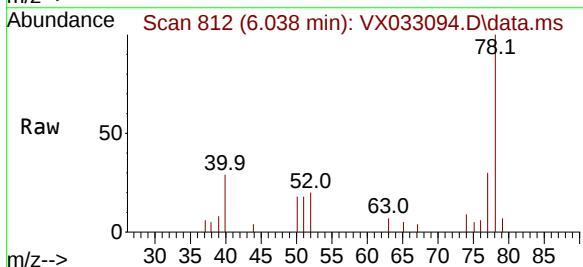
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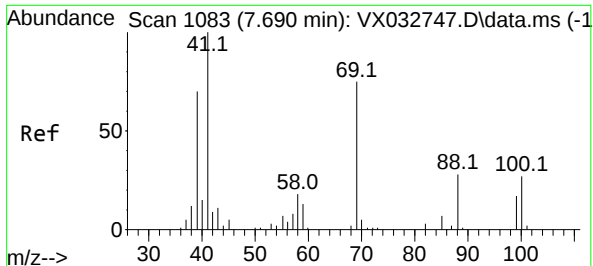
Tgt Ion: 43 Resp: 132981  
Ion Ratio Lower Upper  
43 100  
57 8.4 7.5 11.3  
72 26.3 26.6 39.8#



#34  
Benzene  
Concen: 0.864 ug/l  
RT: 6.038 min Scan# 812  
Delta R.T. 0.000 min  
Lab File: VX033094.D  
Acq: 28 Nov 2022 17:01

Tgt Ion: 78 Resp: 4455  
Ion Ratio Lower Upper  
78 100  
77 29.8 19.0 28.6#  
51 18.4 10.6 15.8#

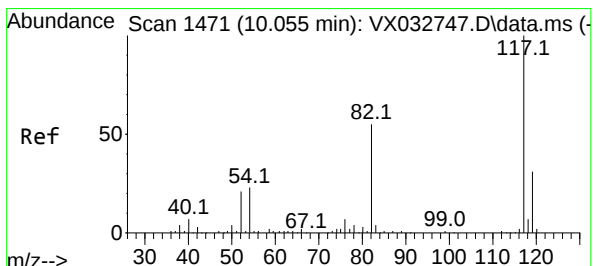
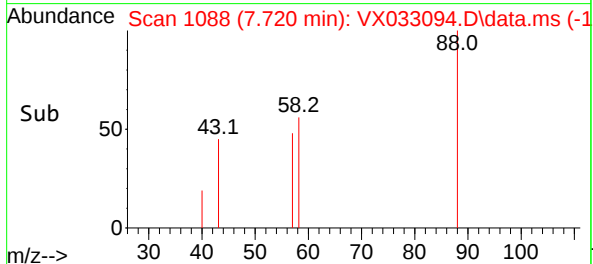
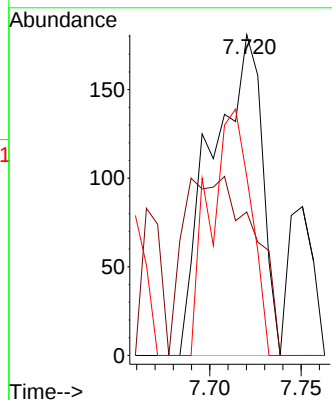
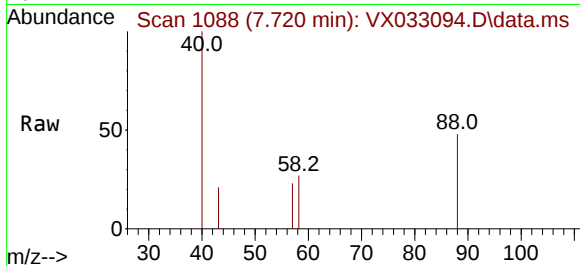




#45  
1,4-Dioxane  
Concen: 12.559 ug/l  
RT: 7.720 min Scan# 1088  
Delta R.T. 0.031 min  
Lab File: VX033094.D  
Acq: 28 Nov 2022 17:01

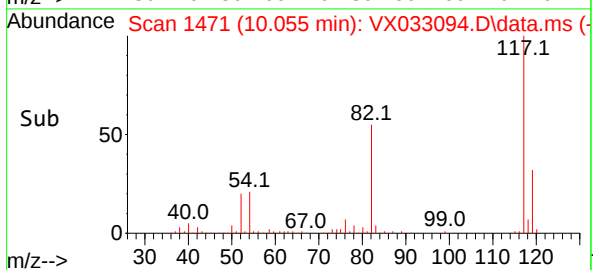
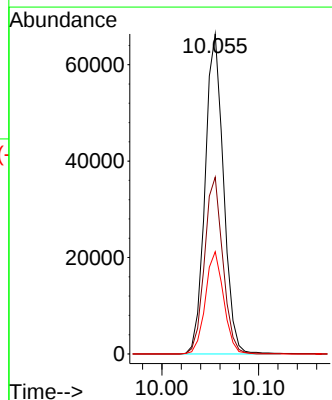
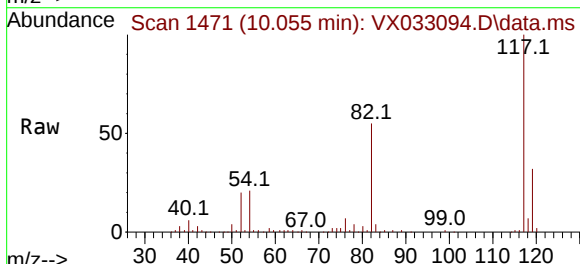
Instrument :  
MSVOA\_X  
ClientSampleId :  
SEMI-ANNUAL-CONDENSATE

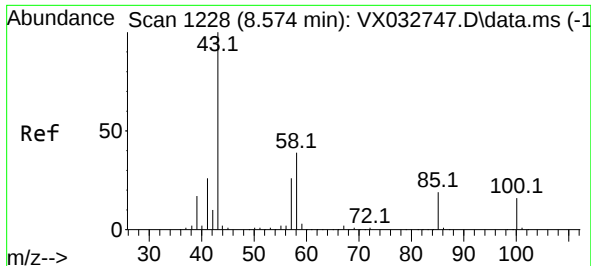
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|-------------|-------|-------|-------|
| Tgt Ion: 88 | Resp: | 347   |       |
| Ion         | Ratio | Lower | Upper |
| 88          | 100   |       |       |
| 43          | 27.4  | 20.4  | 30.6  |
| 58          | 62.2  | 44.0  | 66.0  |



#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX033094.D  
Acq: 28 Nov 2022 17:01

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:117 | Resp: | 87725 |       |
| Ion         | Ratio | Lower | Upper |
| 117         | 100   |       |       |
| 82          | 55.1  | 40.0  | 60.0  |
| 119         | 31.8  | 26.0  | 39.0  |





#58

4-Methyl-2-Pentanone

Concen: 3.094 ug/l

RT: 8.574 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX033094.D

Acq: 28 Nov 2022 17:01

Instrument :

MSVOA\_X

ClientSampleId :

SEMI-ANNUAL-CONDENSATE

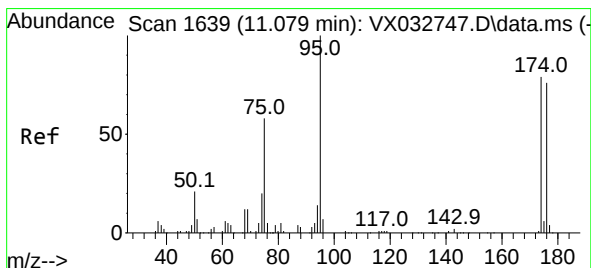
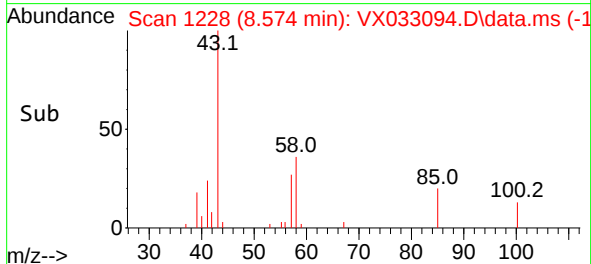
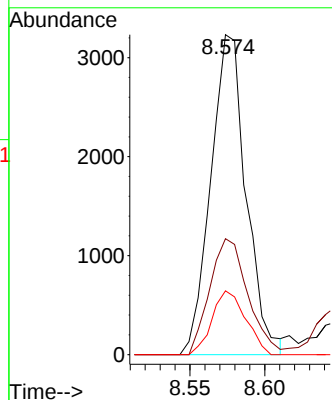
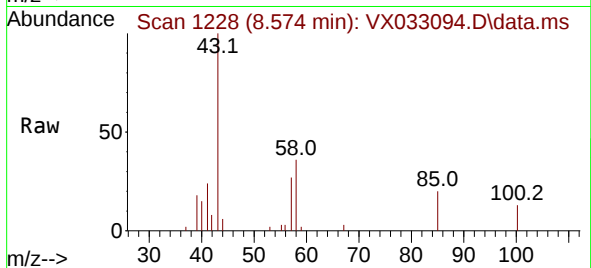
Tgt Ion: 43 Resp: 5314

Ion Ratio Lower Upper

43 100

58 39.1 34.9 52.3

85 18.9 19.4 29.2#



#60

4-Bromofluorobenzene

Concen: 27.845 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX033094.D

Acq: 28 Nov 2022 17:01

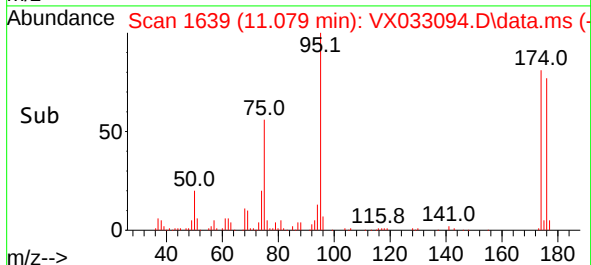
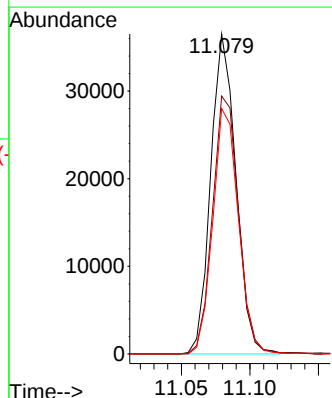
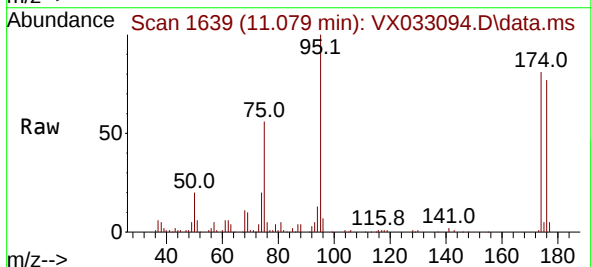
Tgt Ion: 95 Resp: 46726

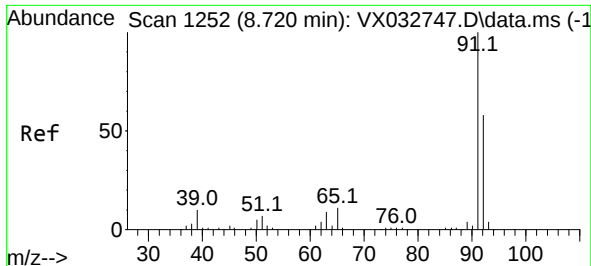
Ion Ratio Lower Upper

95 100

174 83.4 68.2 102.2

176 78.3 68.1 102.1





#62

Toluene

Concen: 2.673 ug/l

RT: 8.720 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX033094.D

Acq: 28 Nov 2022 17:01

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ClientSampleId :

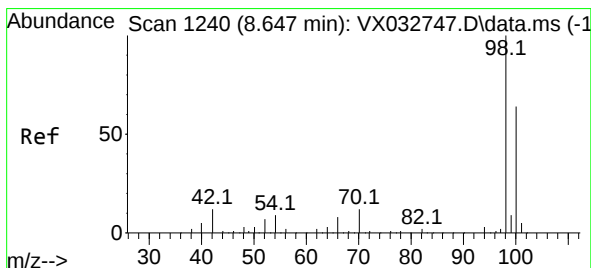
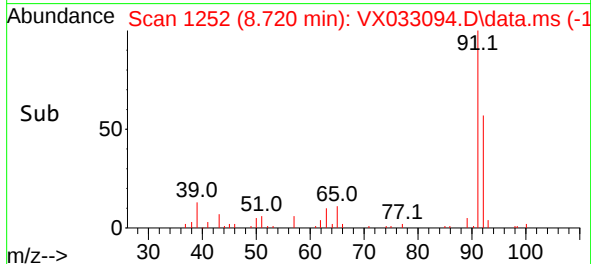
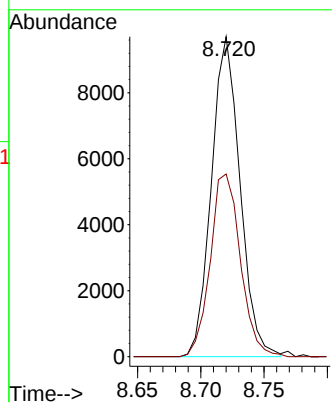
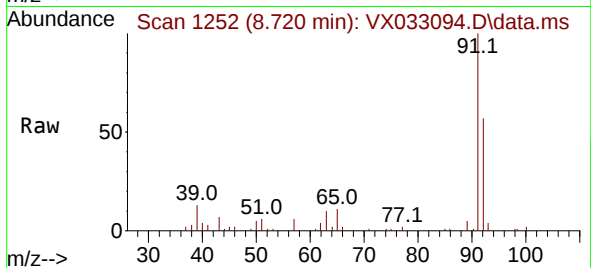
SEMI-ANNUAL-CONDENSATE

Tgt Ion: 91 Resp: 15250

Ion Ratio Lower Upper

91 100

92 60.2 47.3 70.9



#63

Toluene-d8

Concen: 29.151 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX033094.D

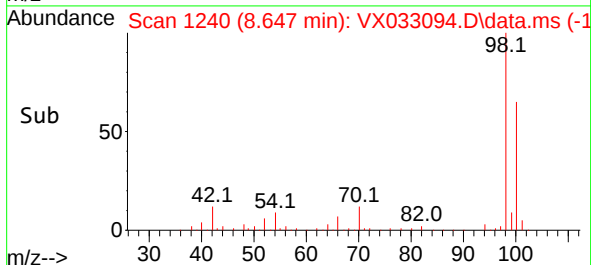
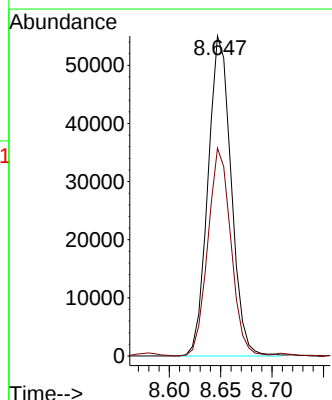
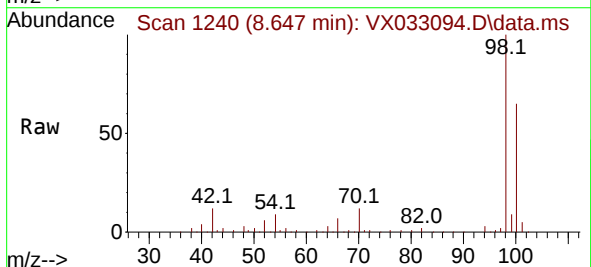
Acq: 28 Nov 2022 17:01

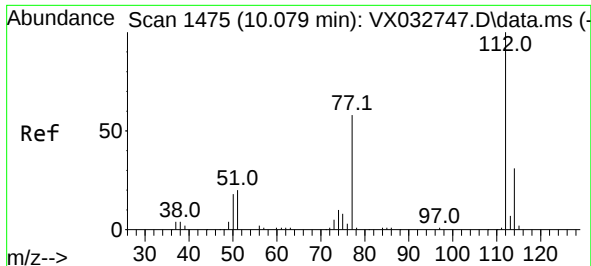
Tgt Ion: 98 Resp: 86302

Ion Ratio Lower Upper

98 100

100 64.5 53.8 80.8

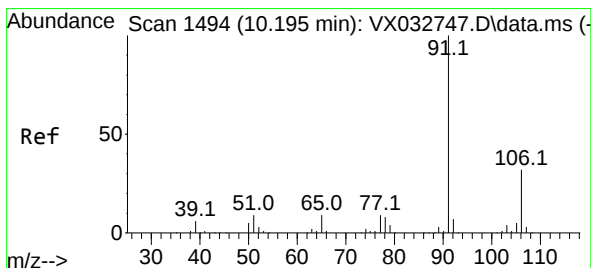
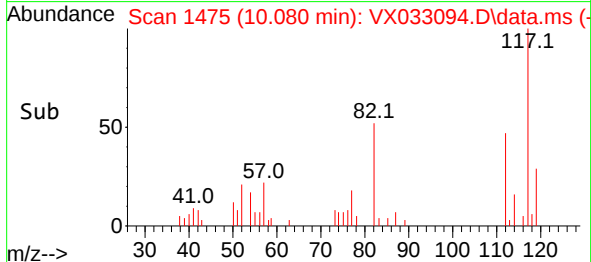
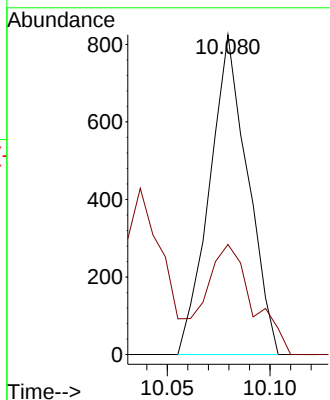
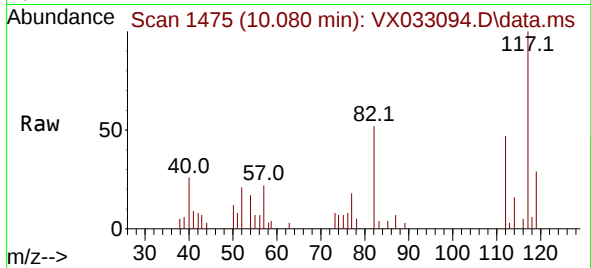




#64  
Chlorobenzene  
Concen: 0.303 ug/l  
RT: 10.080 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VX033094.D  
Acq: 28 Nov 2022 17:01

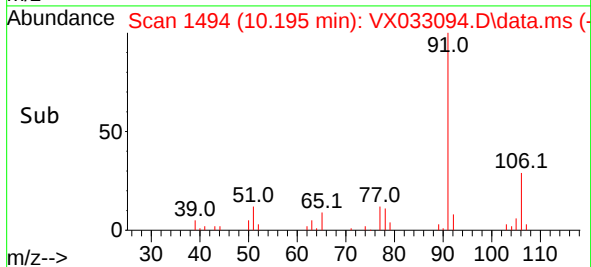
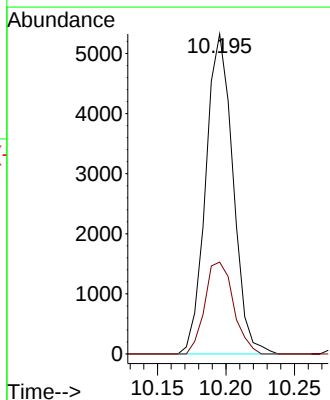
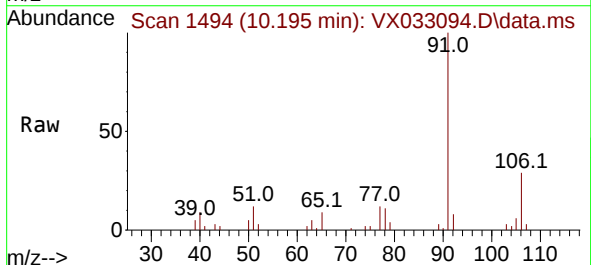
Instrument :  
MSVOA\_X  
ClientSampleId :  
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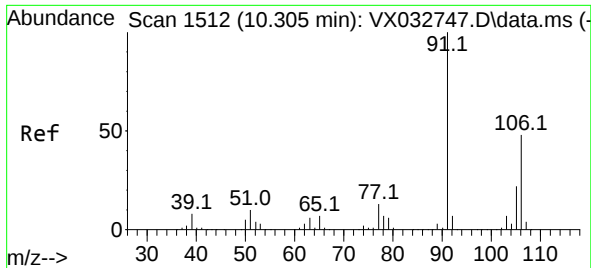
Tgt Ion:112 Resp: 1068  
Ion Ratio Lower Upper  
112 100  
114 26.3 25.7 38.5



#66  
Ethyl Benzene  
Concen: 1.150 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX033094.D  
Acq: 28 Nov 2022 17:01

Tgt Ion: 91 Resp: 7357  
Ion Ratio Lower Upper  
91 100  
106 28.7 26.7 40.1

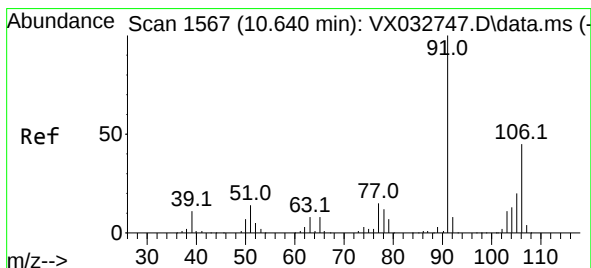
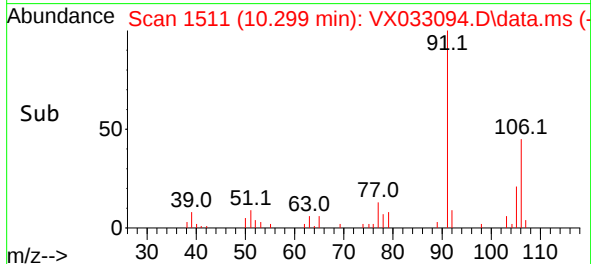
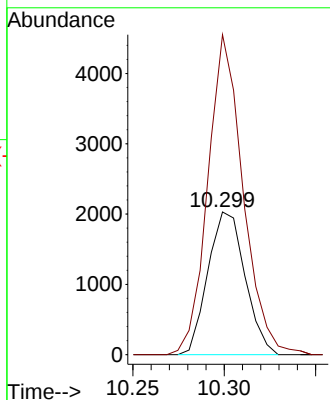
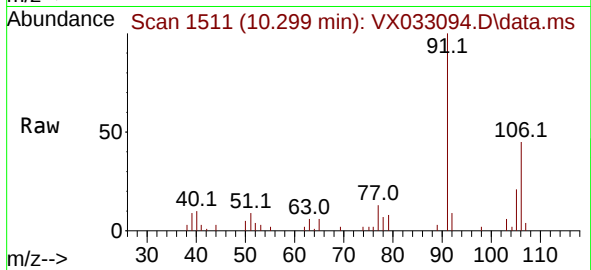




#67  
m/p-Xylenes  
Concen: 1.153 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.006 min  
Lab File: VX033094.D  
Acq: 28 Nov 2022 17:01

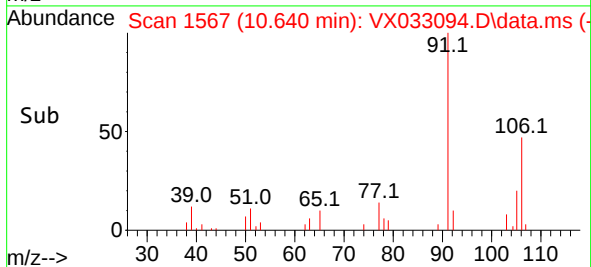
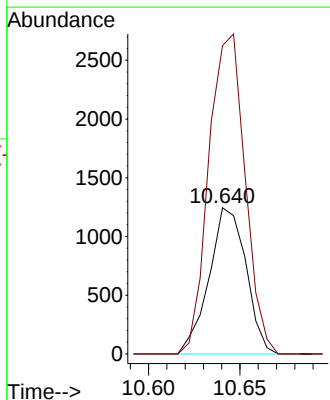
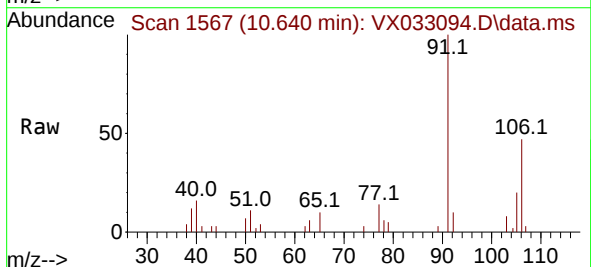
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ClientSampleId :  
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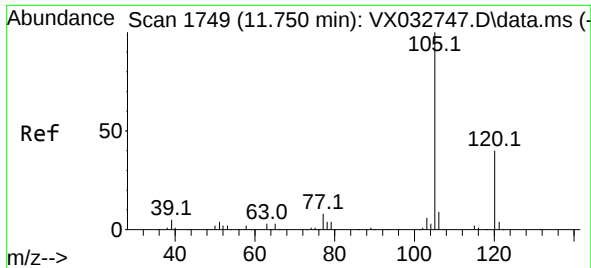
Tgt Ion:106 Resp: 2871  
Ion Ratio Lower Upper  
106 100  
91 212.7 152.3 228.5



#68  
o-Xylene  
Concen: 0.717 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX033094.D  
Acq: 28 Nov 2022 17:01

Tgt Ion:106 Resp: 1752  
Ion Ratio Lower Upper  
106 100  
91 214.4 101.9 305.7

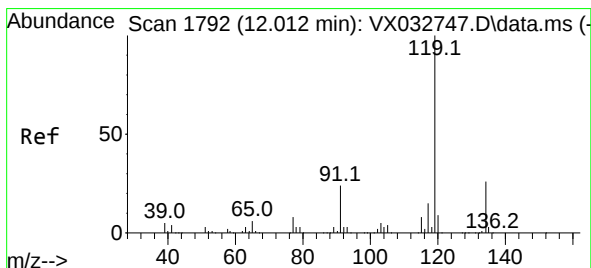
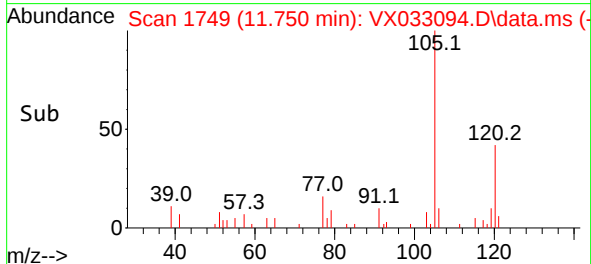
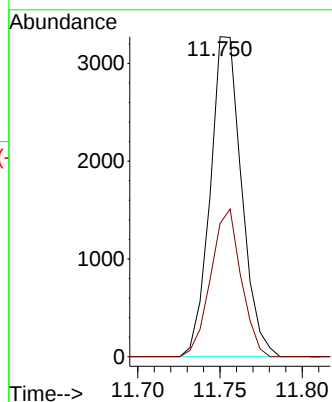
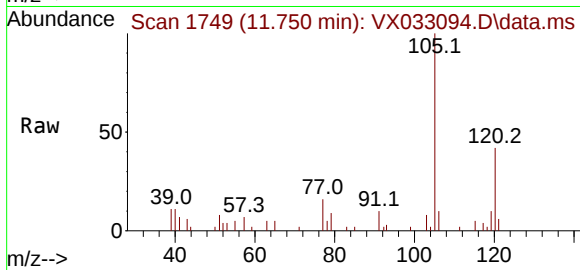




#80  
1,2,4-Trimethylbenzene  
Concen: 0.805 ug/l  
RT: 11.750 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VX033094.D  
Acq: 28 Nov 2022 17:01

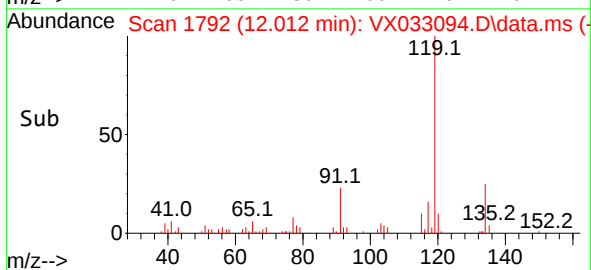
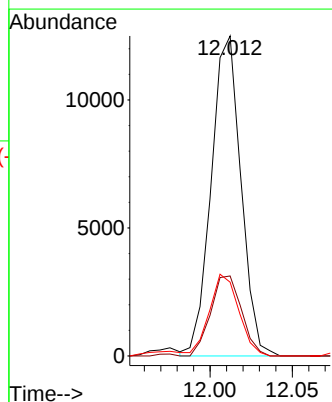
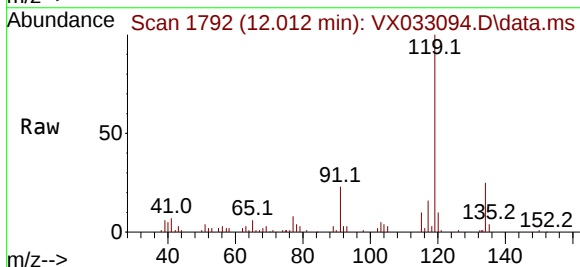
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ClientSampleId :  
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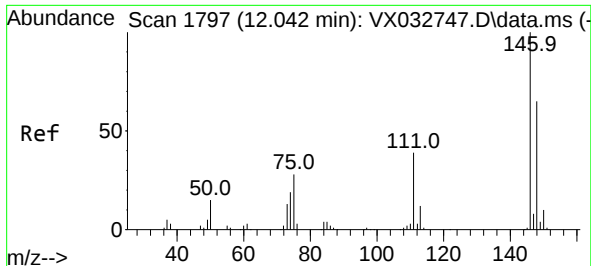
Tgt Ion:105 Resp: 4339  
Ion Ratio Lower Upper  
105 100  
120 44.7 0.0 95.0



#82  
p-Isopropyltoluene  
Concen: 2.894 ug/l  
RT: 12.012 min Scan# 1792  
Delta R.T. 0.000 min  
Lab File: VX033094.D  
Acq: 28 Nov 2022 17:01

Tgt Ion:119 Resp: 15739  
Ion Ratio Lower Upper  
119 100  
134 26.0 0.0 55.4  
91 25.1 0.0 45.6

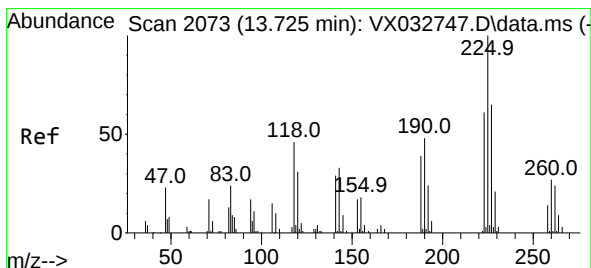
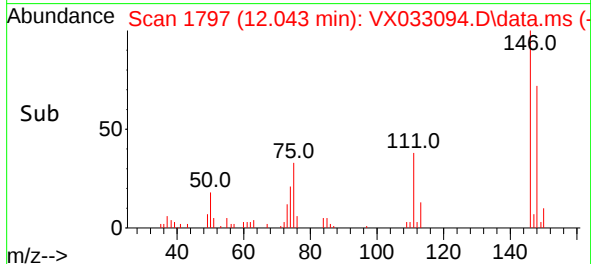
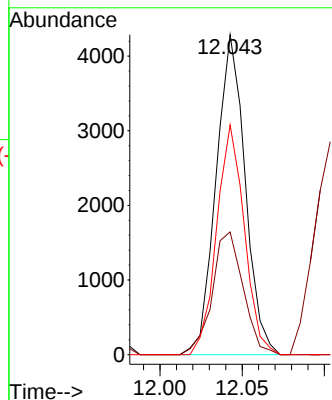
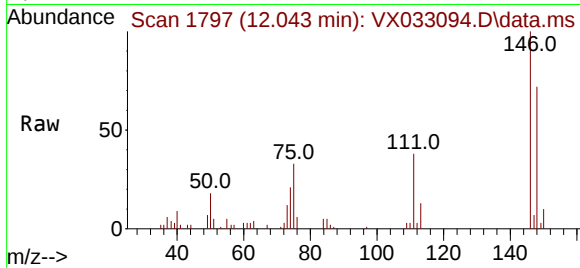




#84  
1,4-Dichlorobenzene  
Concen: 1.806 ug/l  
RT: 12.043 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX033094.D  
Acq: 28 Nov 2022 17:01

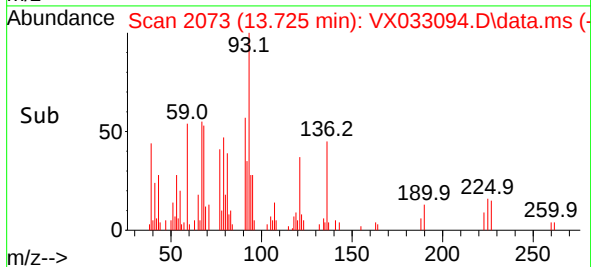
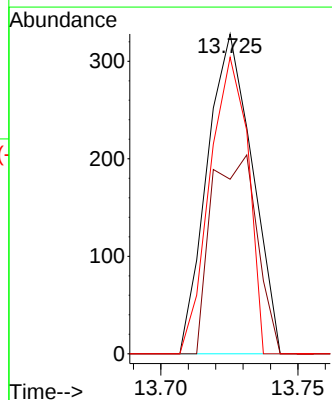
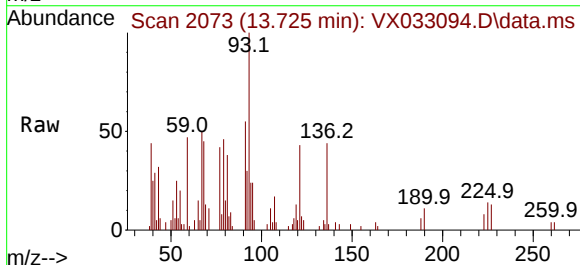
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MSVOA\_X  
ClientSampleId :  
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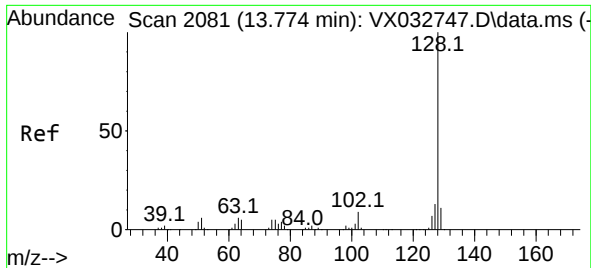
Tgt Ion:146 Resp: 5274  
Ion Ratio Lower Upper  
146 100  
111 40.7 18.9 56.5  
148 68.3 31.6 95.0



#90  
Hexachlorobutadiene  
Concen: 0.525 ug/l  
RT: 13.725 min Scan# 2073  
Delta R.T. 0.000 min  
Lab File: VX033094.D  
Acq: 28 Nov 2022 17:01

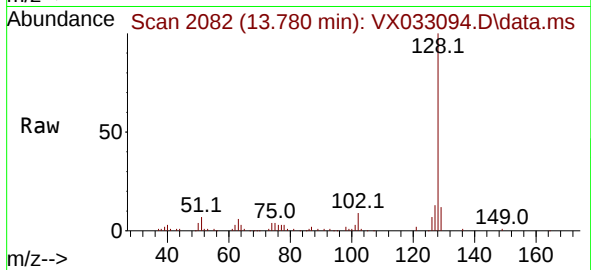
Tgt Ion:225 Resp: 375  
Ion Ratio Lower Upper  
225 100  
223 63.2 0.0 126.0  
227 78.9 0.0 127.6





#91  
Naphthalene  
Concen: 3.922 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.006 min  
Lab File: VX033094.D  
Acq: 28 Nov 2022 17:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
SEMI-ANNUAL-CONDENSATE



Tgt Ion:128 Resp: 23502  
Ion Ratio Lower Upper  
128 100  
127 13.4 9.9 14.9  
129 10.9 8.4 12.6

