

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080918\  
 Data File : VX003944.D  
 Acq On : 09 Aug 2018 12:24  
 Operator : JC/MD  
 Sample : J4387-06DL 40X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FL-0556DL

Quant Time: Aug 10 01:01:21 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X080618W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 07:45:48 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 340370   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 513519   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 470092   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 272914   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 219696   | 48.69 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.38%  |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 188326   | 48.41 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.82%  |          |
| 50) Toluene-d8              | 8.72  | 98   | 726110   | 48.00 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.00%  |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 265171   | 54.17 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 108.34% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 3) Chloromethane               | 1.32  | 50   | 939      | 0.20      | ug/l   | 97     |
| 5) Bromomethane                | 1.65  | 94   | 1210     | Below Cal |        | 88     |
| 6) Chloroethane                | 1.74  | 64   | 5644     | 1.88      | ug/l # | 54     |
| 10) Methyl Iodide              | 2.52  | 142  | 1151     | 0.24      | ug/l   | 98     |
| 11) Tert butyl alcohol         | 3.02  | 59   | 891      | 0.82      | ug/l # | 73     |
| 13) Acrolein                   | 2.31  | 56   | 233      | Below Cal | #      | 15     |
| 14) Allyl chloride             | 2.84  | 41   | 2165     | 0.31      | ug/l # | 71     |
| 15) Acrylonitrile              | 3.17  | 53   | 1879     | 0.73      | ug/l # | 68     |
| 16) Acetone                    | 2.45  | 43   | 2378     | 0.89      | ug/l   | 96     |
| 17) Carbon Disulfide           | 2.57  | 76   | 1696     | 0.60      | ug/l # | 82     |
| 18) Methyl Acetate             | 2.84  | 43   | 8346     | 1.43      | ug/l # | 52     |
| 20) Methylene Chloride         | 2.86  | 84   | 1691     | Below Cal |        | 89     |
| 26) 2,2-Dichloropropane        | 4.76  | 77   | 1306     | 0.24      | ug/l # | 51     |
| 29) Tetrahydrofuran            | 5.17  | 42   | 1108     | 0.53      | ug/l # | 55     |
| 31) Cyclohexane                | 5.57  | 56   | 82291    | 12.65     | ug/l   | 99     |
| 36) 1,1-Dichloropropene        | 5.67  | 75   | 22092    | 3.84      | ug/l # | 49     |
| 38) Carbon Tetrachloride       | 5.67  | 117  | 29771    | 5.44      | ug/l # | 15     |
| 39) Methylcyclohexane          | 7.46  | 83   | 69228    | 10.21     | ug/l   | 99     |
| 48) Methyl methacrylate        | 7.73  | 41   | 3503     | 0.72      | ug/l # | 61     |
| 52) Toluene                    | 8.79  | 92   | 27057    | 2.48      | ug/l   | 97     |
| 55) 1,1,2-Trichloroethane      | 9.16  | 97   | 2391     | 0.54      | ug/l # | 20     |
| 67) Ethyl Benzene              | 10.25 | 91   | 444735   | 22.21     | ug/l   | 98     |
| 68) m/p-Xylenes                | 10.36 | 106  | 581658   | 74.34     | ug/l   | 96     |
| 69) o-Xylene                   | 10.70 | 106  | 283126   | 38.33     | ug/l   | 95     |
| 70) Styrene                    | 10.70 | 104  | 14293    | 1.18      | ug/l # | 1      |
| 73) Isopropylbenzene           | 11.02 | 105  | 45081    | 2.23      | ug/l   | 96     |
| 76) 1,2,3-Trichloropropane     | 11.14 | 75   | 128217   | 21.27     | ug/l # | 36     |
| 78) n-propylbenzene            | 11.36 | 91   | 64260    | 2.83      | ug/l   | 99     |
| 79) 2-Chlorotoluene            | 11.43 | 91   | 29686    | 2.15      | ug/l # | 41     |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 94730    | 5.75      | ug/l   | 99     |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75   | 128217   | 57.51     | ug/l # | 9      |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 10359    | 0.64      | ug/l # | 48     |
| 83) tert-Butylbenzene          | 11.81 | 119  | 33900    | 2.09      | ug/l # | 62     |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 258164   | 15.60     | ug/l   | 99     |

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Instrument :  
MSVOA\_X  
ClientSampleId :  
FL-0556DL

Quant Time: Aug 10 01:01:21 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X080618W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 07 07:45:48 2018  
Response via : Initial Calibration

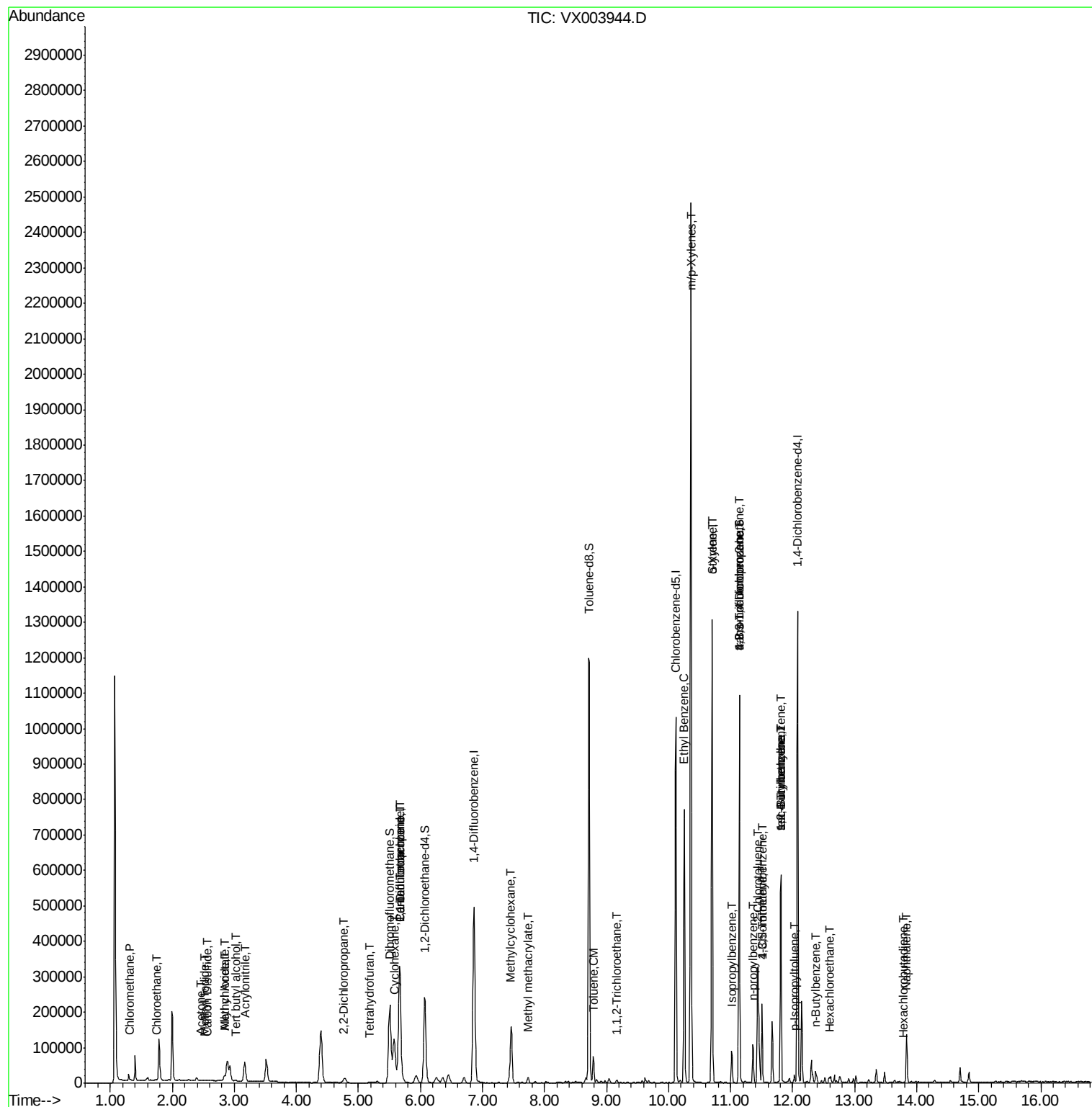
| Internal Standards      | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------|-------|------|----------|-----------|--------|----------|
| 85) sec-Butylbenzene    | 11.81 | 105  | 258142   | 13.51     | ug/l # | 56       |
| 86) p-Isopropyltoluene  | 12.03 | 119  | 8664     | 0.51      | ug/l   | 93       |
| 88) 1,4-Dichlorobenzene | 12.03 | 146  | 690      | Below Cal |        | 94       |
| 89) n-Butylbenzene      | 12.38 | 91   | 5723     | 0.38      | ug/l # | 38       |
| 90) Hexachloroethane    | 12.59 | 117  | 836      | 0.30      | ug/l # | 4        |
| 94) Hexachlorobutadiene | 13.79 | 225  | 250      | 0.51      | ug/l   | 73       |
| 95) Naphthalene         | 13.83 | 128  | 87969    | 4.33      | ug/l   | 99       |

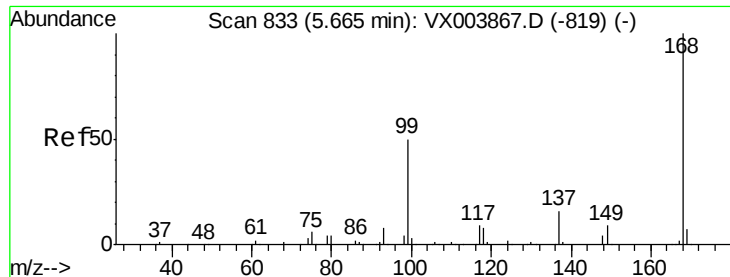
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003944.D

Acq: 09 Aug 2018 12:24

Instrument :

MSVOA\_X

ClientSampleId :

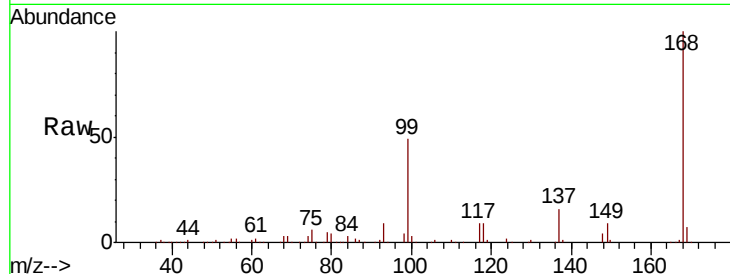
FL-0556DL

Tot Ion:168 Resp: 340370

Ion Ratio Lower Upper

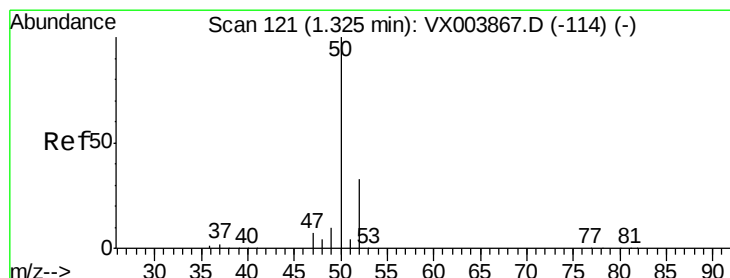
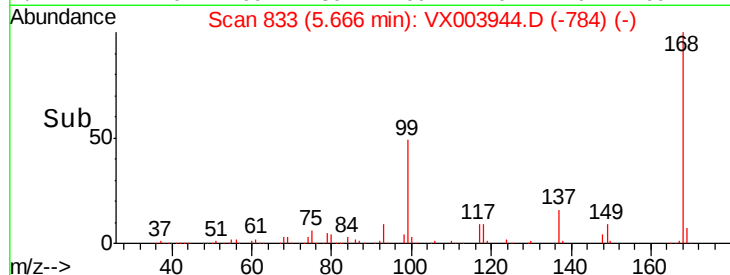
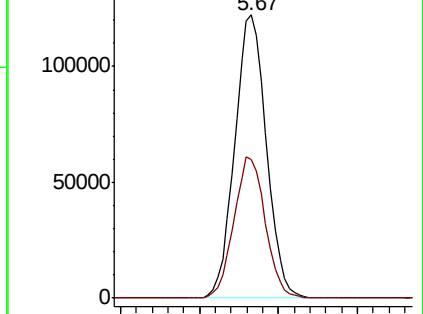
168 100

99 49.0 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.20 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003944.D

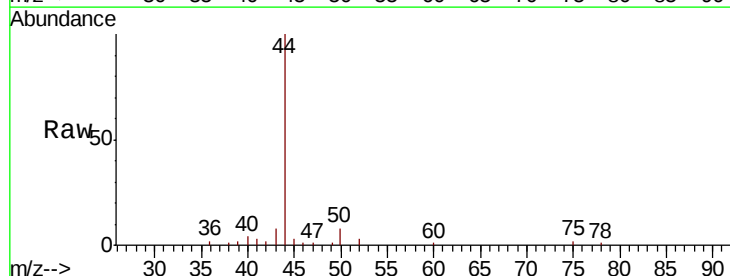
Acq: 09 Aug 2018 12:24

Tgt Ion: 50 Resp: 939

Ion Ratio Lower Upper

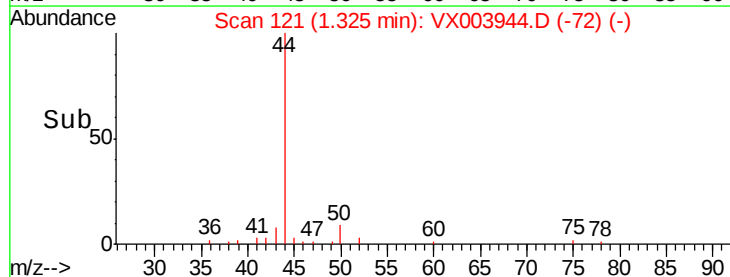
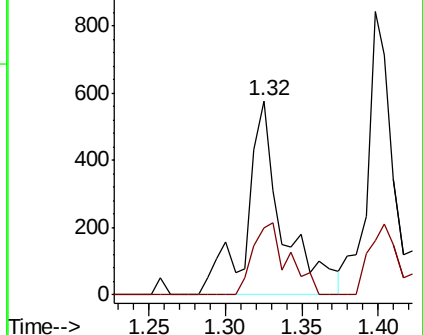
50 100

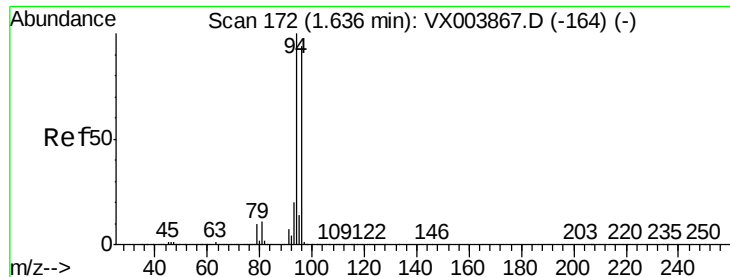
52 34.8 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003944.D

Acq: 09 Aug 2018 12:24

Instrument :

MSVOA\_X

ClientSampled :

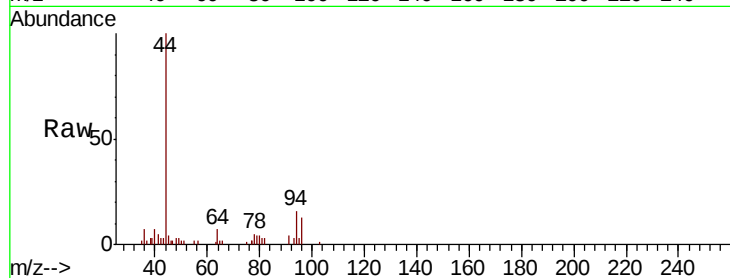
FL-0556DL

Tot Ion: 94 Resp: 1210

Ion Ratio Lower Upper

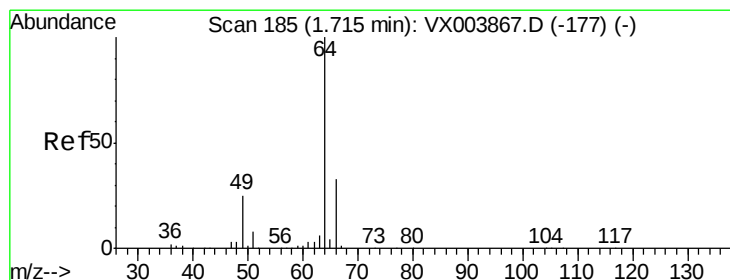
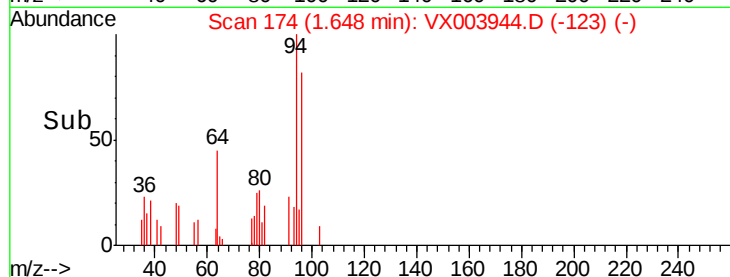
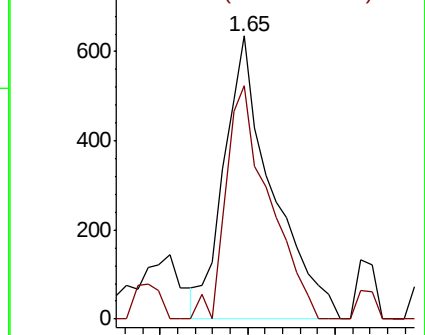
94 100

96 82.4 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.88 ug/l

RT: 1.74 min Scan# 189

Delta R.T. 0.02 min

Lab File: VX003944.D

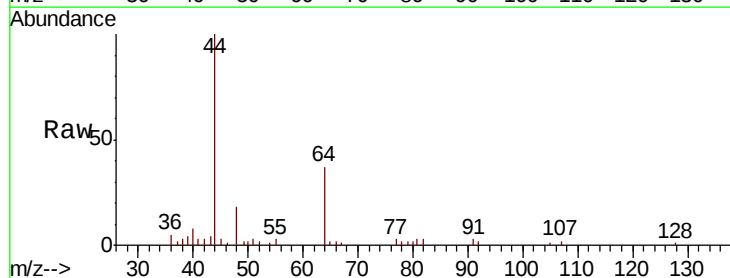
Acq: 09 Aug 2018 12:24

Tgt Ion: 64 Resp: 5644

Ion Ratio Lower Upper

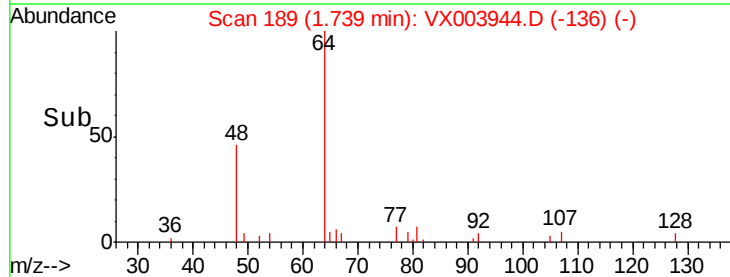
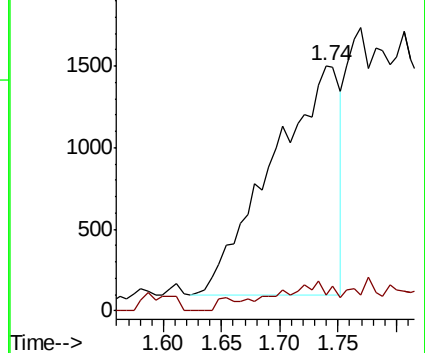
64 100

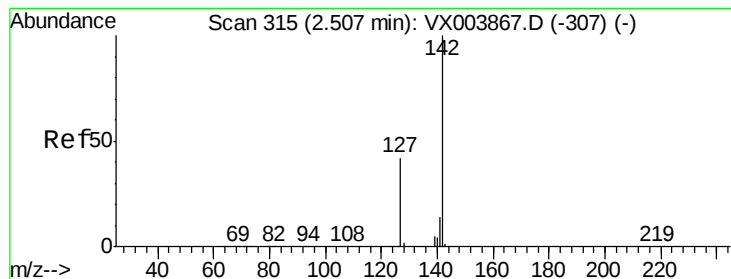
66 6.8 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methyl Iodide

Concen: 0.24 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003944.D

Acq: 09 Aug 2018 12:24

Instrument :

MSVOA\_X

ClientSampled :

FL-0556DL

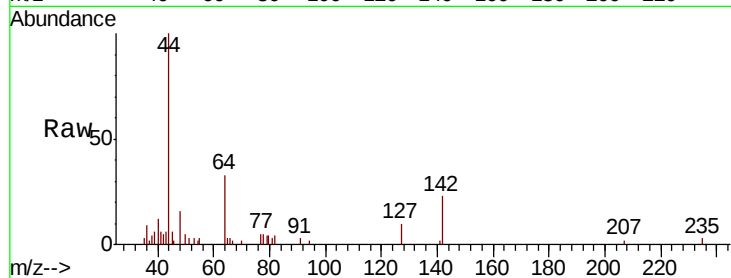
Tot Ion:142 Resp: 1151

Ion Ratio Lower Upper

142 100

127 43.1 33.1 49.7

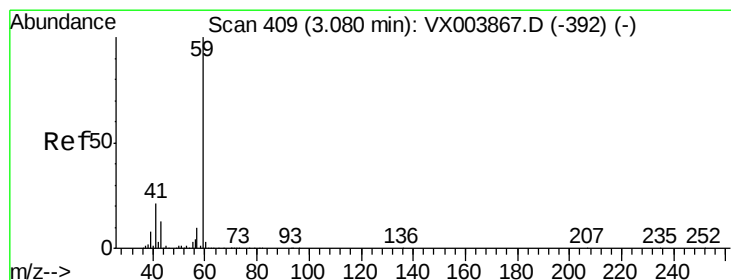
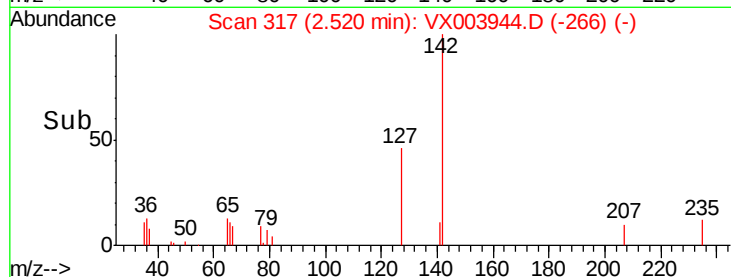
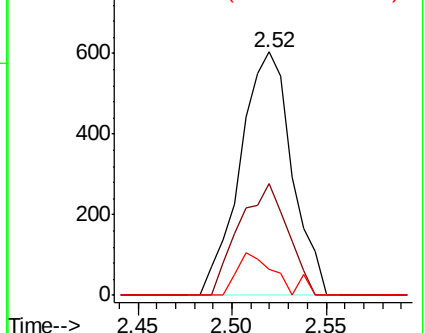
141 13.4 11.1 16.7



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 0.82 ug/l

RT: 3.02 min Scan# 399

Delta R.T. -0.06 min

Lab File: VX003944.D

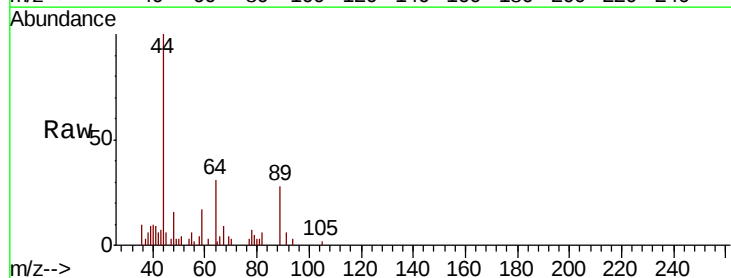
Acq: 09 Aug 2018 12:24

Tgt Ion: 59 Resp: 891

Ion Ratio Lower Upper

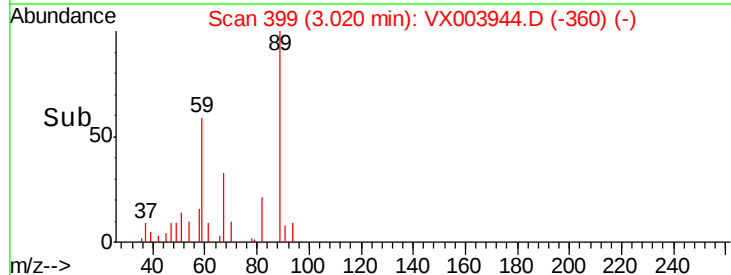
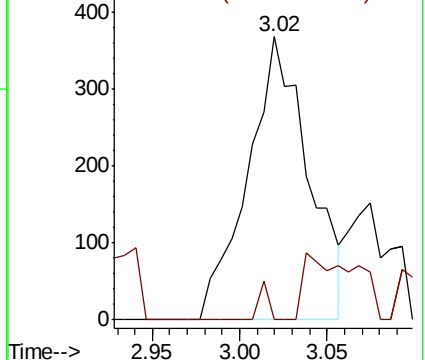
59 100

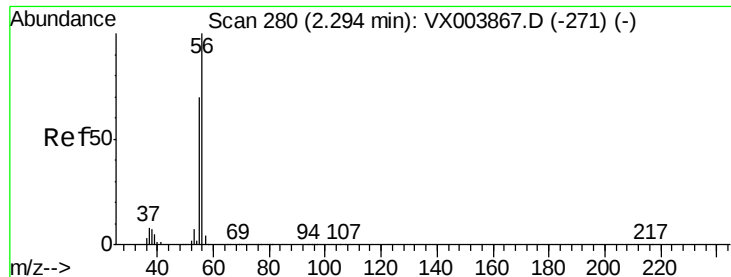
57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX003944.D

Acq: 09 Aug 2018 12:24

Instrument :

MSVOA\_X

ClientSampleId :

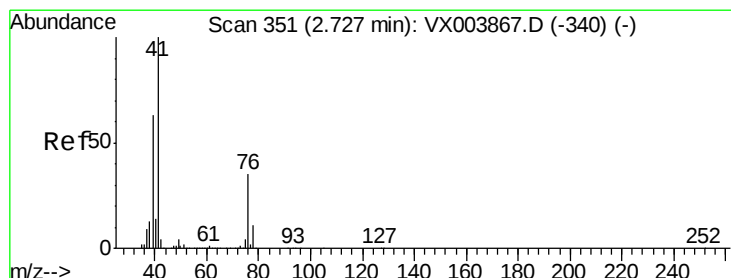
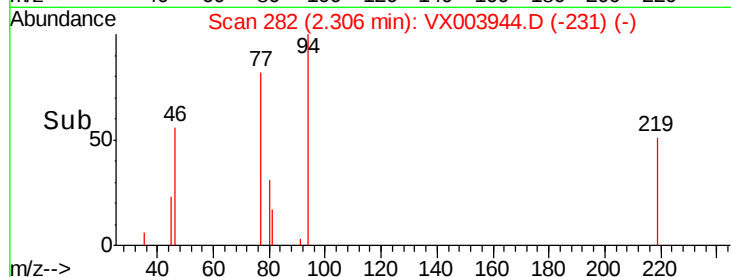
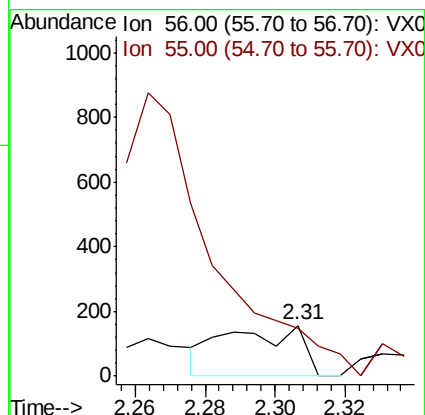
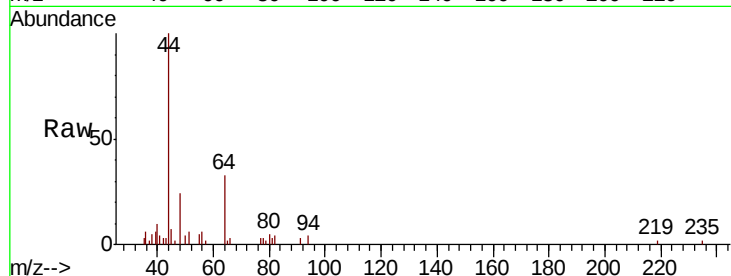
FL-0556DL

Tot Ion: 56 Resp: 233

Ion Ratio Lower Upper

56 100

55 0.0 56.1 84.1#



#14

Allyl chloride

Concen: 0.31 ug/l

RT: 2.84 min Scan# 369

Delta R.T. 0.11 min

Lab File: VX003944.D

Acq: 09 Aug 2018 12:24

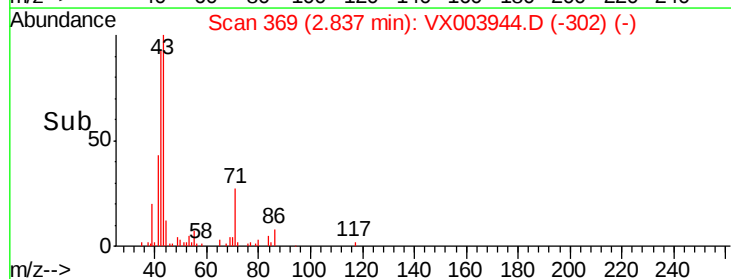
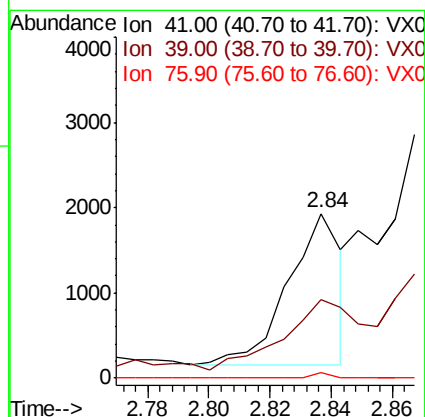
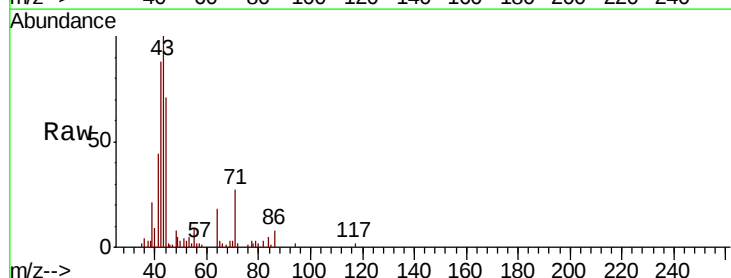
Tgt Ion: 41 Resp: 2165

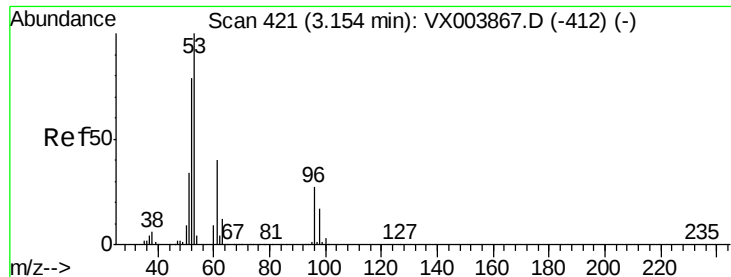
Ion Ratio Lower Upper

41 100

39 69.6 47.4 71.0

76 0.0 26.0 39.0#





#15

Acrylonitrile

Concen: 0.73 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003944.D

Acq: 09 Aug 2018 12:24

Instrument :

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ClientSampleId :

FL-0556DL

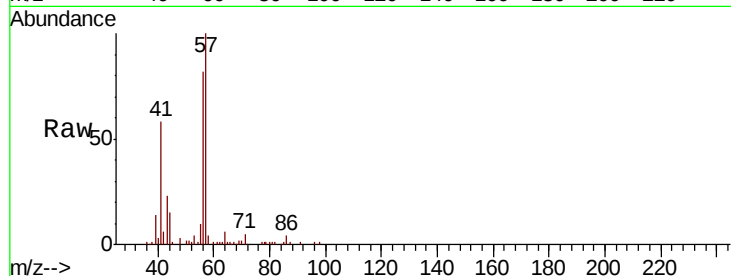
Tot Ion: 53 Resp: 1879

Ion Ratio Lower Upper

53 100

52 49.3 65.3 97.9#

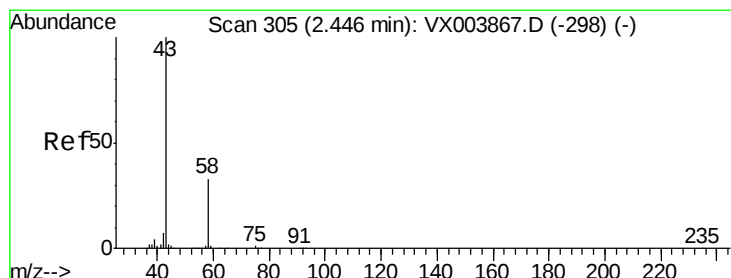
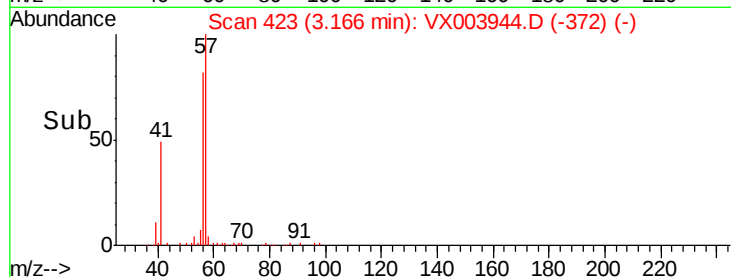
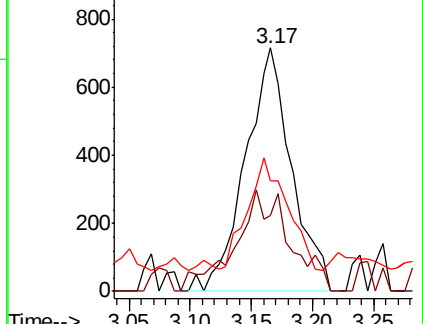
51 47.9 27.9 41.9#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.89 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003944.D

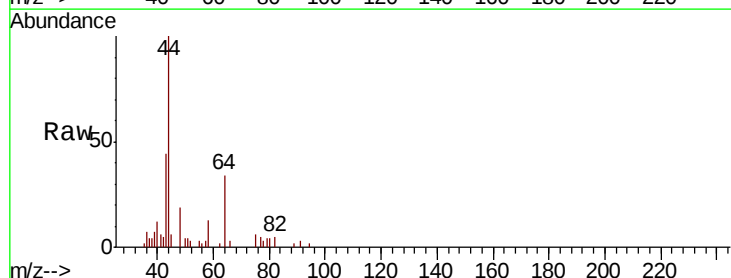
Acq: 09 Aug 2018 12:24

Tgt Ion: 43 Resp: 2378

Ion Ratio Lower Upper

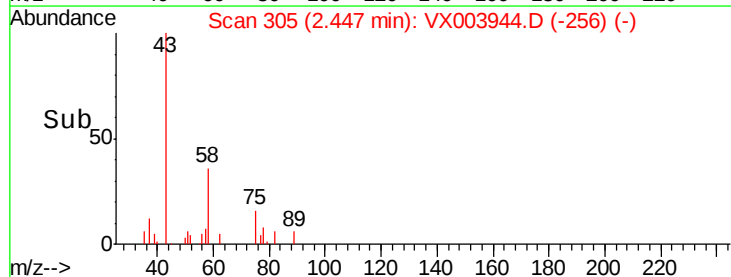
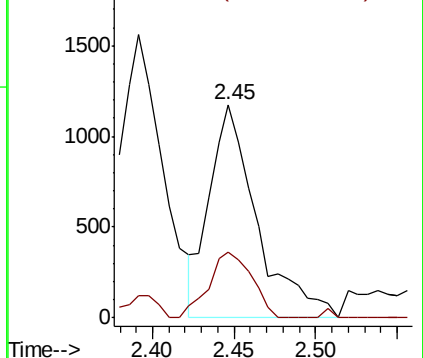
43 100

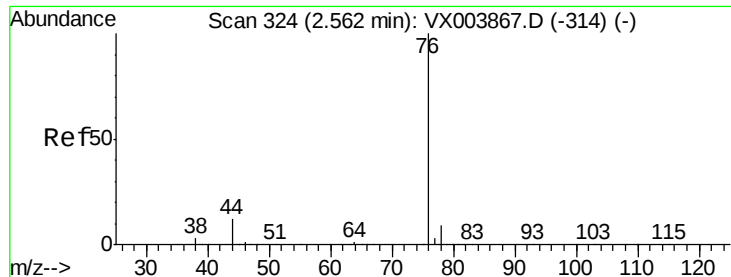
58 30.8 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.60 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003944.D

Acq: 09 Aug 2018 12:24

Instrument :

MSVOA\_X

ClientSampleId :

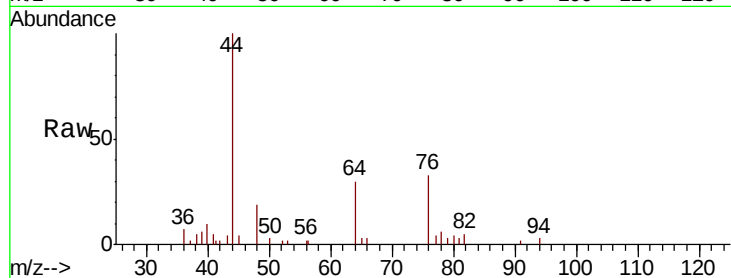
FL-0556DL

Tot Ion: 76 Resp: 1696

Ion Ratio Lower Upper

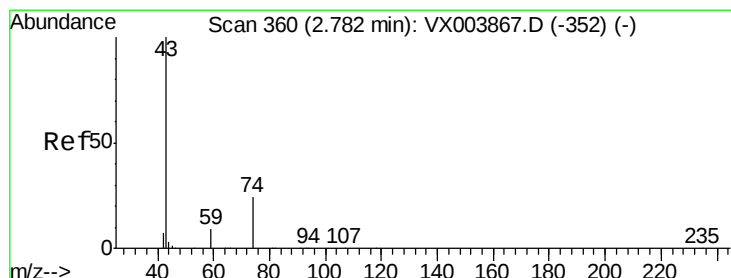
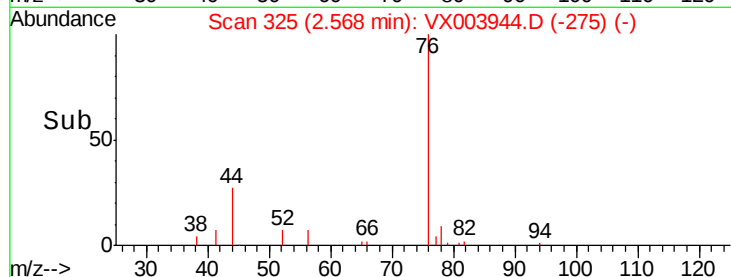
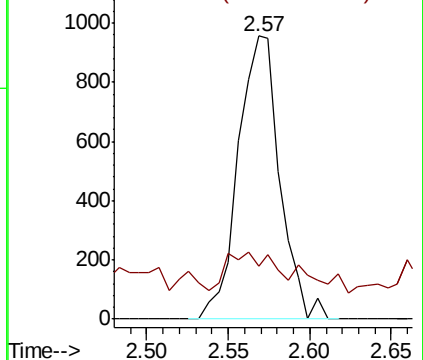
76 100

78 2.7 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 1.43 ug/l

RT: 2.84 min Scan# 370

Delta R.T. 0.06 min

Lab File: VX003944.D

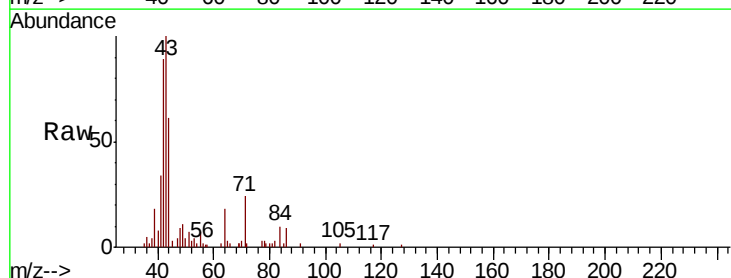
Acq: 09 Aug 2018 12:24

Tgt Ion: 43 Resp: 8346

Ion Ratio Lower Upper

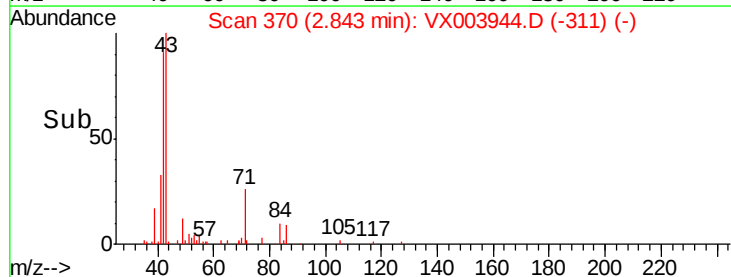
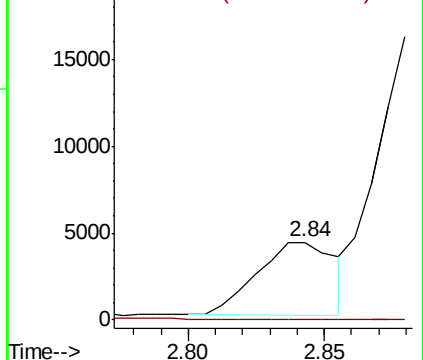
43 100

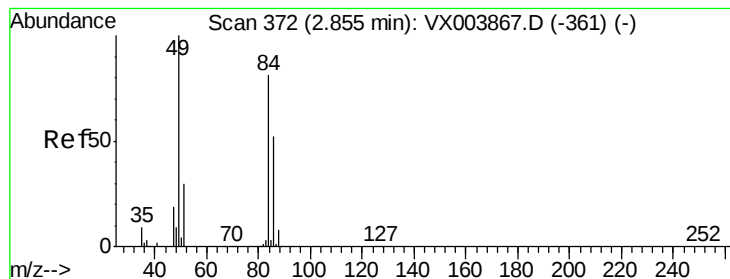
74 0.0 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003944.D

Acq: 09 Aug 2018 12:24

Instrument :

MSVOA\_X

ClientSampled :

FL-0556DL

Tot Ion: 84 Resp: 1691

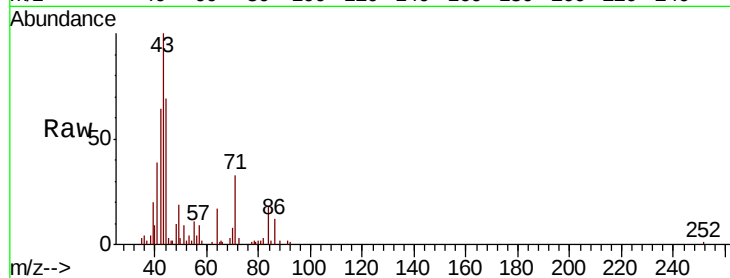
Ion Ratio Lower Upper

84 100

49 107.3 98.9 148.3

51 40.7 29.9 44.9

86 69.4 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

1500

1000

500

0

2.80 2.85 2.90

Time-->

2.86

2.86

2.86

2.86

2.86

2.86

2.86

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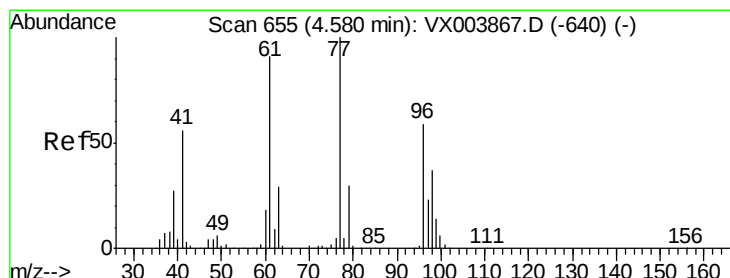
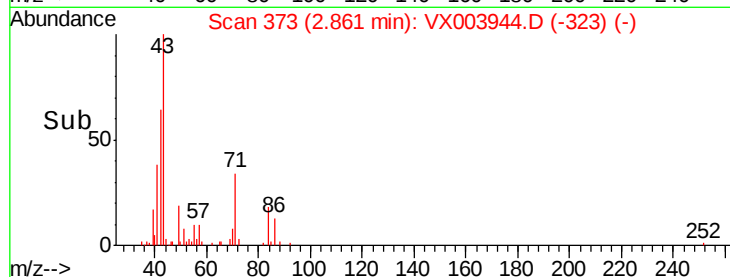
2.86

2.86

2.86

2.86

2.86



#26

2,2-Dichloropropane

Concen: 0.24 ug/l

RT: 4.76 min Scan# 685

Delta R.T. 0.18 min

Lab File: VX003944.D

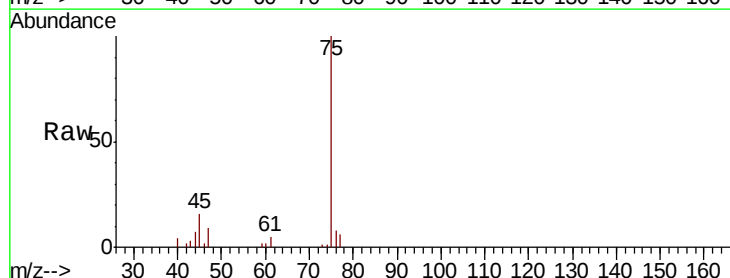
Acq: 09 Aug 2018 12:24

Tgt Ion: 77 Resp: 1306

Ion Ratio Lower Upper

77 100

97 0.0 11.9 35.9#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

400

300

200

100

0

4.70 4.75 4.80 4.85

Time-->

4.76

4.76

4.76

4.76

4.76

4.76

4.76

4.76

4.76

4.76

4.76

4.76

4.76

4.76

4.76

4.76

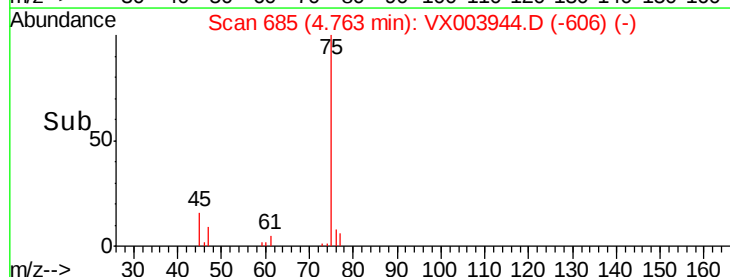
4.76

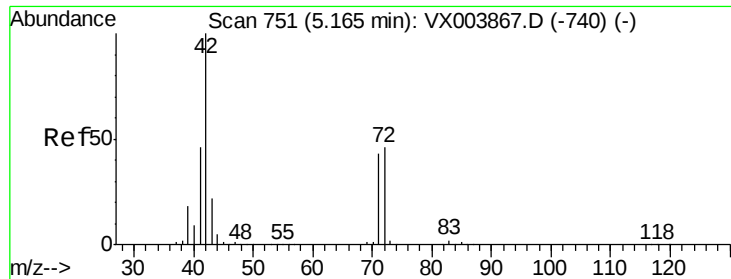
4.76

4.76

4.76

4.76

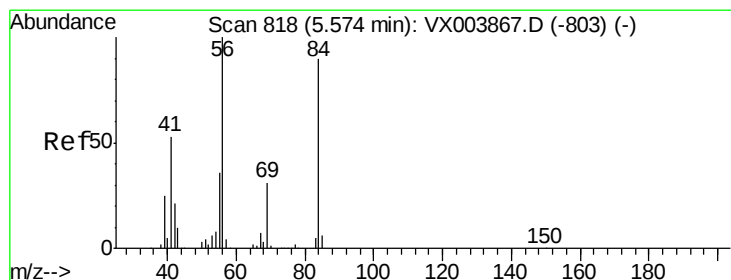
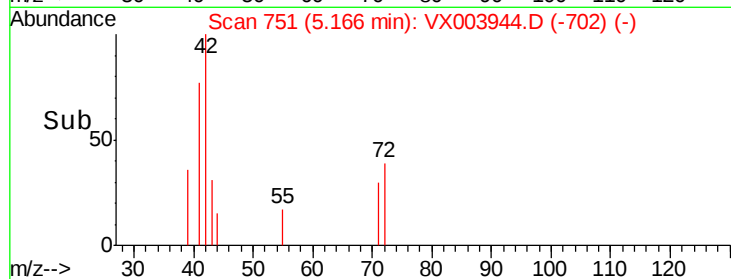
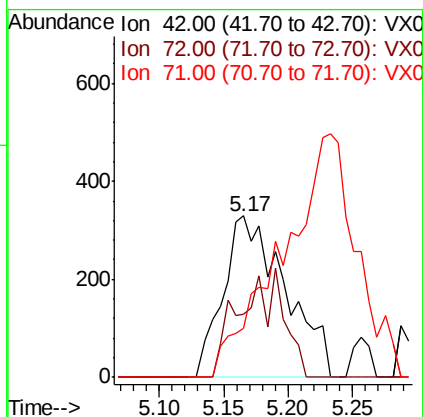
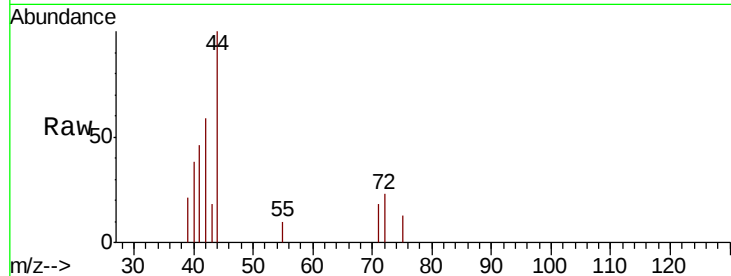




#29  
Tetrahydrofuran  
Concen: 0.53 ug/l  
RT: 5.17 min Scan# 751  
Delta R.T. 0.00 min  
Lab File: VX003944.D  
Acq: 09 Aug 2018 12:24

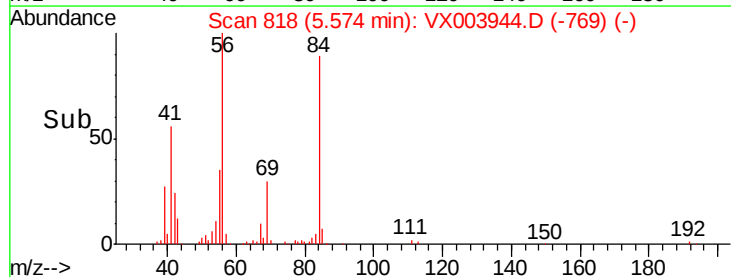
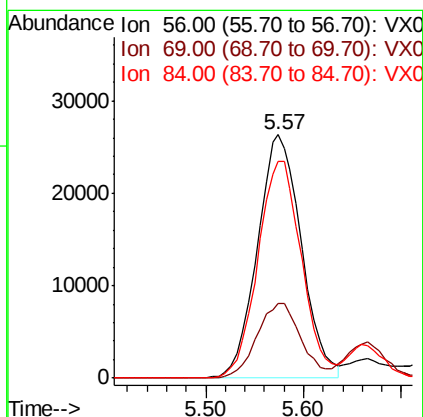
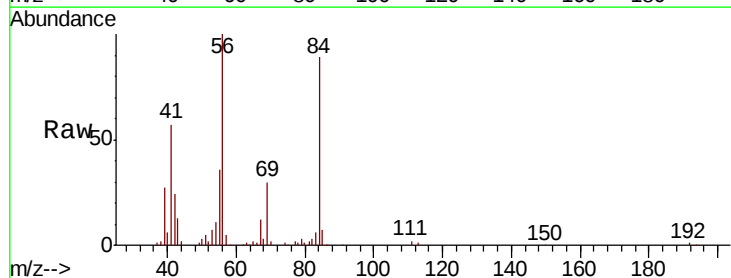
Instrument :  
MSVOA\_X  
ClientSampleId :  
FL-0556DL

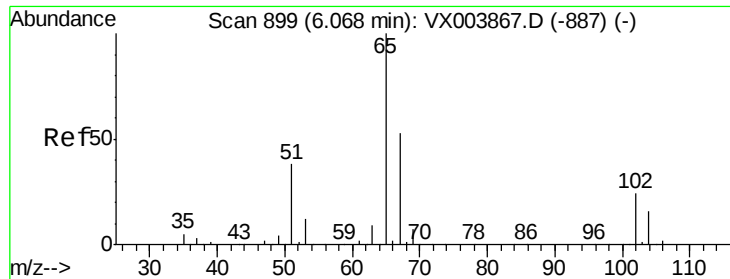
Tot Ion: 42 Resp: 1108  
Ion Ratio Lower Upper  
42 100  
72 30.9 37.7 56.5#  
71 0.0 35.0 52.6#



#31  
Cyclohexane  
Concen: 12.65 ug/l  
RT: 5.57 min Scan# 818  
Delta R.T. 0.00 min  
Lab File: VX003944.D  
Acq: 09 Aug 2018 12:24

Tgt Ion: 56 Resp: 82291  
Ion Ratio Lower Upper  
56 100  
69 30.5 24.9 37.3  
84 89.2 71.7 107.5

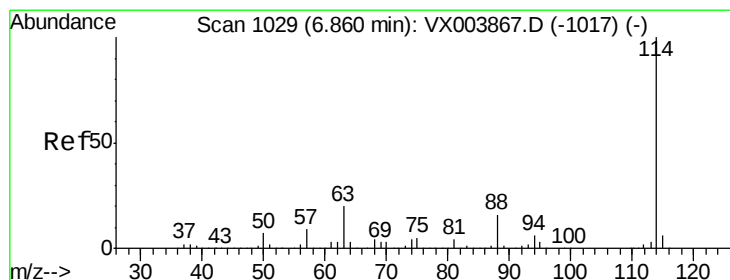
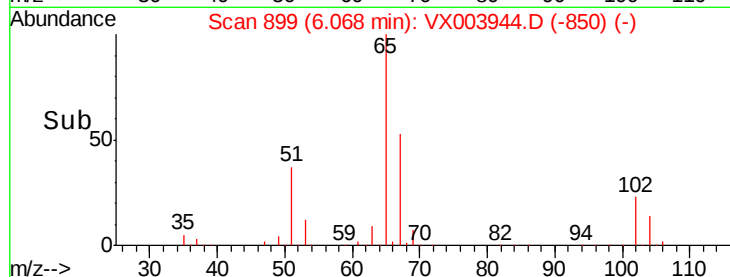
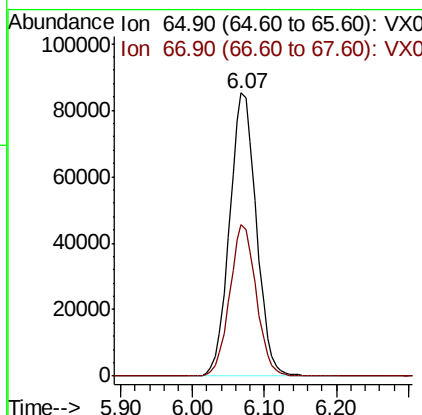
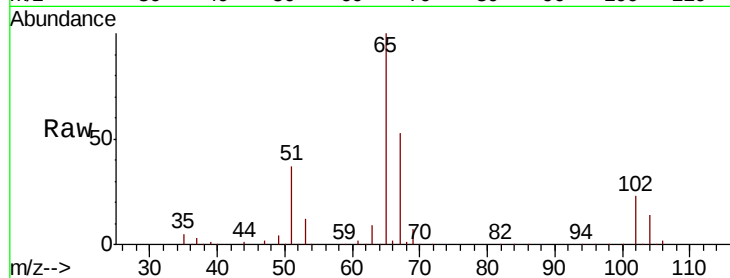




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.69 ug/l  
 RT: 6.07 min Scan# 899  
 Delta R.T. 0.00 min  
 Lab File: VX003944.D  
 Acq: 09 Aug 2018 12:24

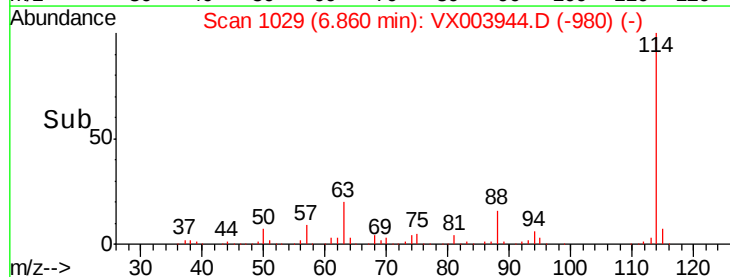
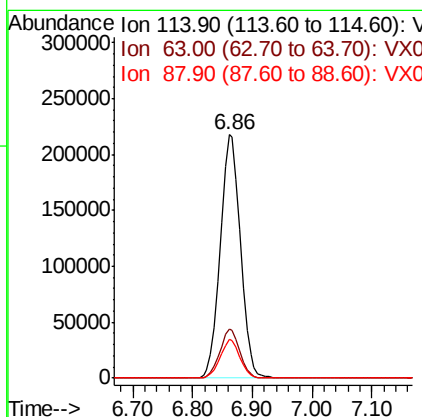
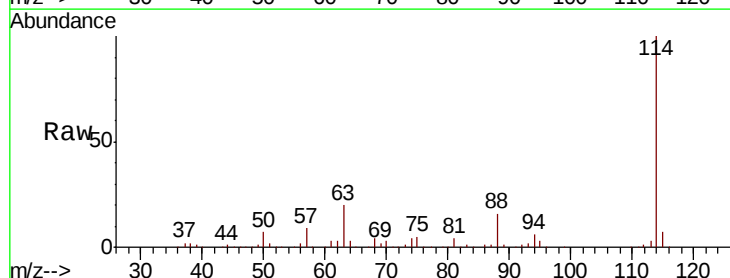
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FL-0556DL

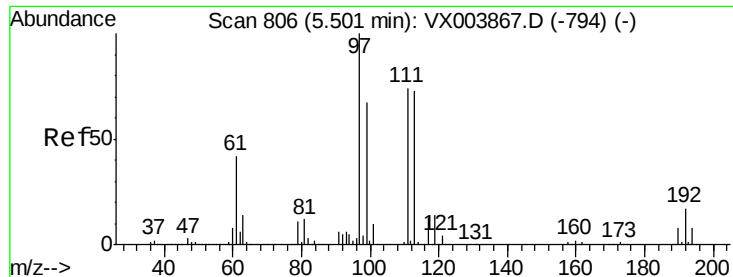
Tot Ion: 65 Resp: 219696  
 Ion Ratio Lower Upper  
 65 100  
 67 53.0 0.0 105.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.86 min Scan# 1029  
 Delta R.T. 0.00 min  
 Lab File: VX003944.D  
 Acq: 09 Aug 2018 12:24

Tgt Ion: 114 Resp: 513519  
 Ion Ratio Lower Upper  
 114 100  
 63 20.3 0.0 39.0  
 88 16.1 0.0 32.0

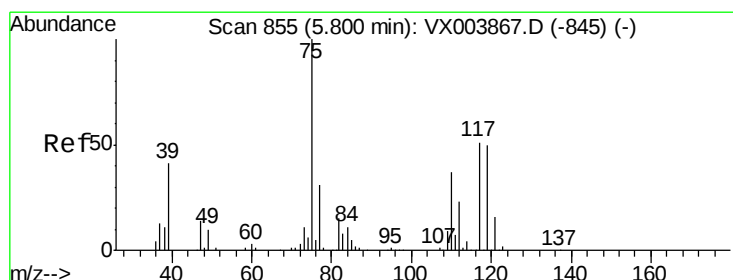
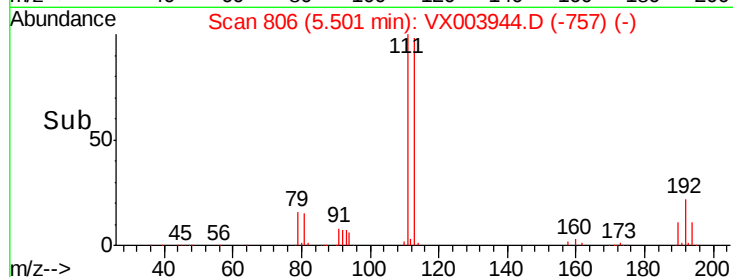
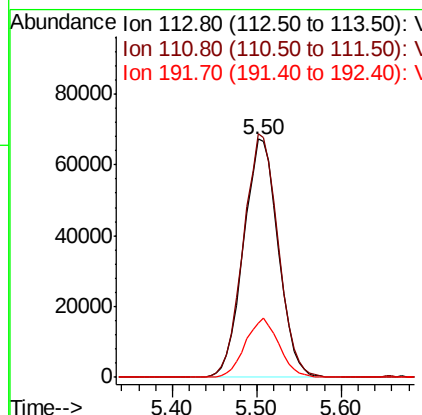
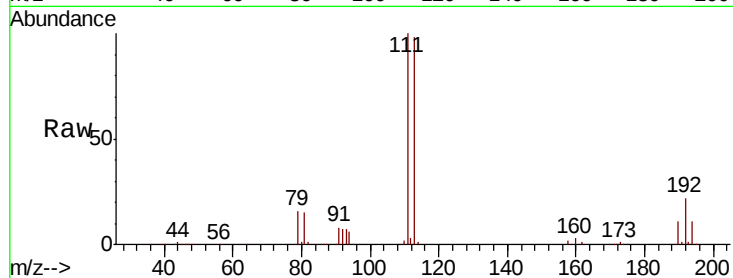




#35  
 Dibromofluoromethane  
 Concen: 48.41 ug/l  
 RT: 5.50 min Scan# 806  
 Delta R.T. 0.00 min  
 Lab File: VX003944.D  
 Acq: 09 Aug 2018 12:24

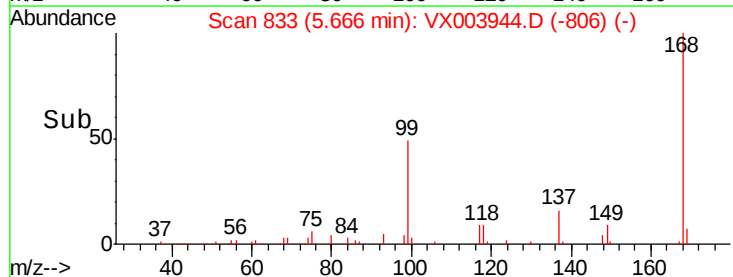
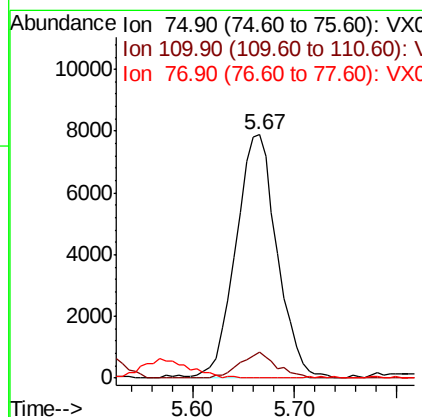
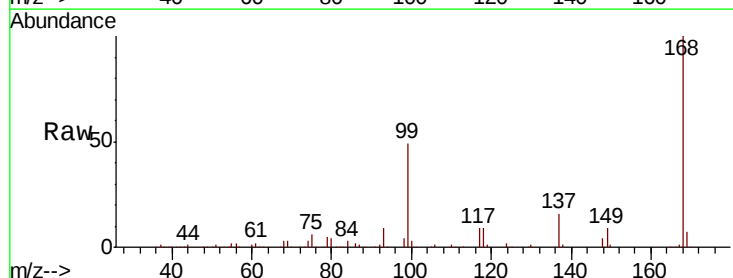
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FL-0556DL

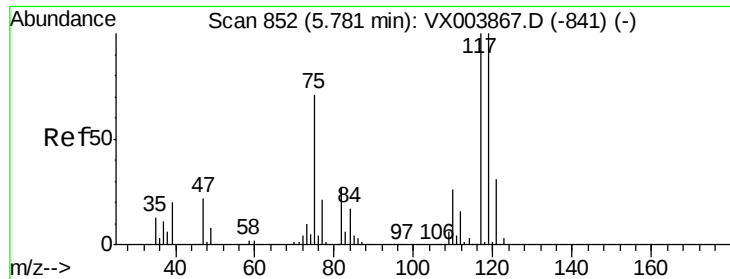
Tot Ion:113 Resp: 188326  
 Ion Ratio Lower Upper  
 113 100  
 111 102.2 82.0 123.0  
 192 24.1 19.0 28.4



#36  
 1,1-Dichloropropene  
 Concen: 3.84 ug/l  
 RT: 5.67 min Scan# 833  
 Delta R.T. -0.13 min  
 Lab File: VX003944.D  
 Acq: 09 Aug 2018 12:24

Tgt Ion: 75 Resp: 22092  
 Ion Ratio Lower Upper  
 75 100  
 110 9.3 18.2 54.6#  
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.44 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003944.D

Acq: 09 Aug 2018 12:24

Instrument :

MSVOA\_X

ClientSampleId :

FL-0556DL

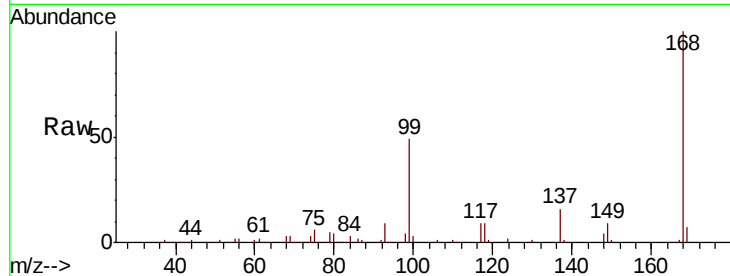
Tot Ion:117 Resp: 29771

Ion Ratio Lower Upper

117 100

119 5.6 79.5 119.3#

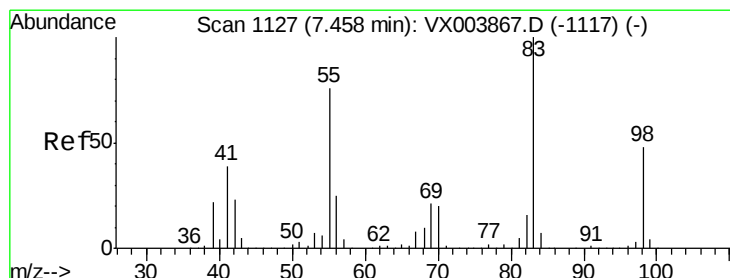
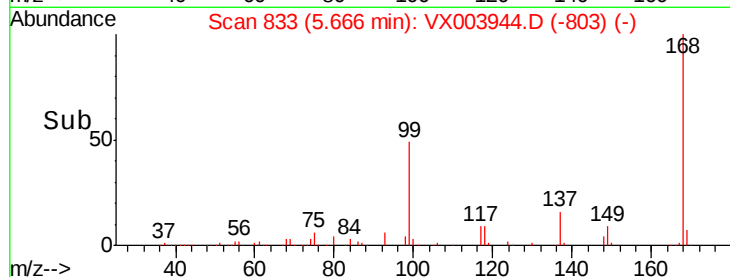
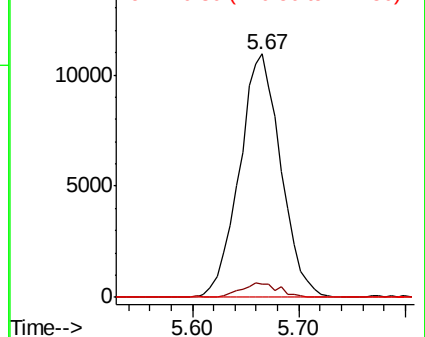
121 0.0 25.0 37.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 10.21 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. 0.01 min

Lab File: VX003944.D

Acq: 09 Aug 2018 12:24

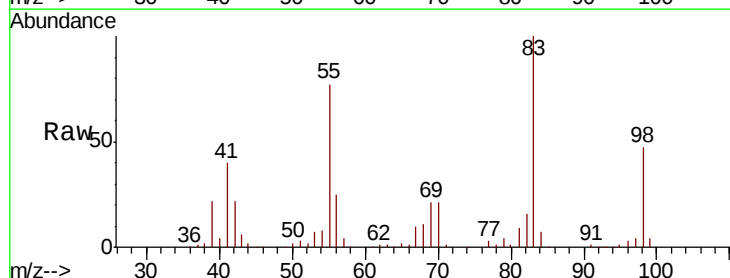
Tgt Ion: 83 Resp: 69228

Ion Ratio Lower Upper

83 100

55 76.5 61.0 91.6

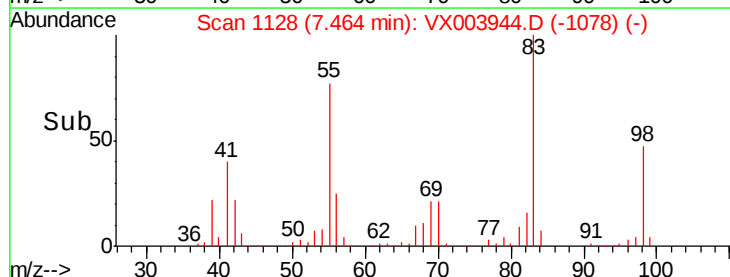
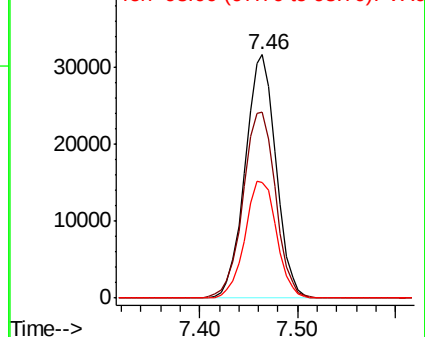
98 47.3 38.6 57.8

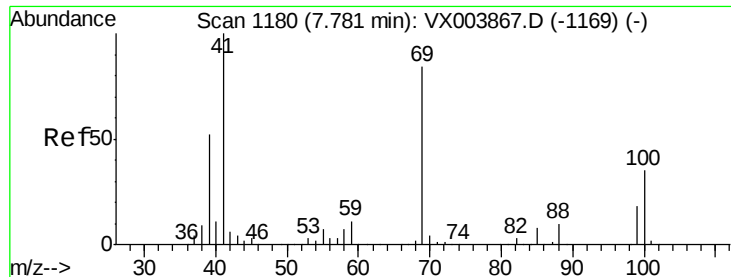


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

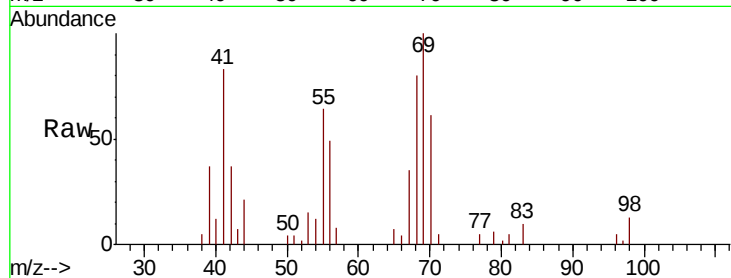




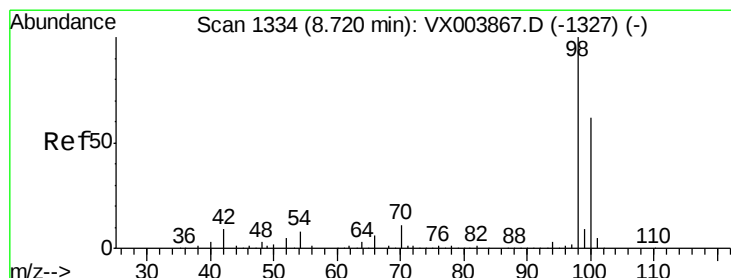
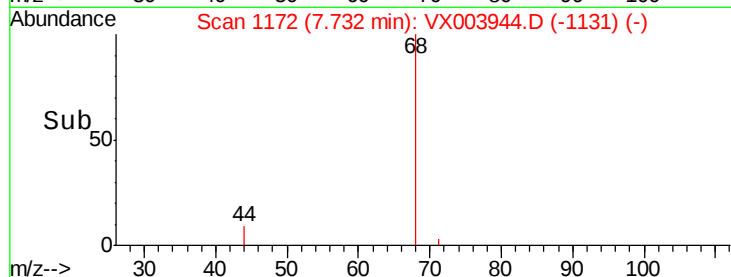
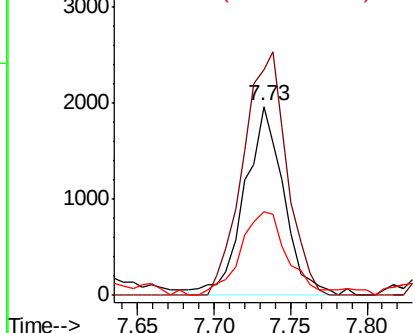
#48  
Methvl methacrylate  
Concen: 0.72 ug/l  
RT: 7.73 min Scan# 1172  
Delta R.T. -0.05 min  
Lab File: VX003944.D  
Acq: 09 Aug 2018 12:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
FL-0556DL

Tot Ion: 41 Resp: 3503  
Ion Ratio Lower Upper  
41 100  
69 143.2 68.8 103.2#  
39 52.6 42.3 63.5

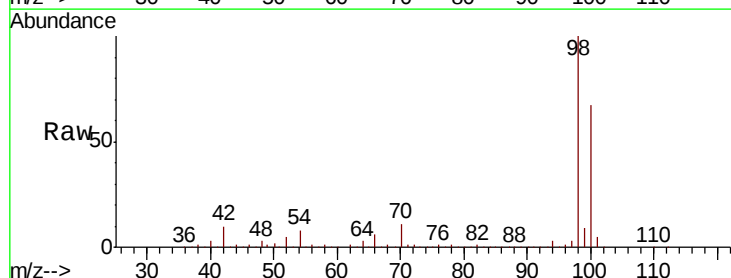


Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 69.00 (68.70 to 69.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0

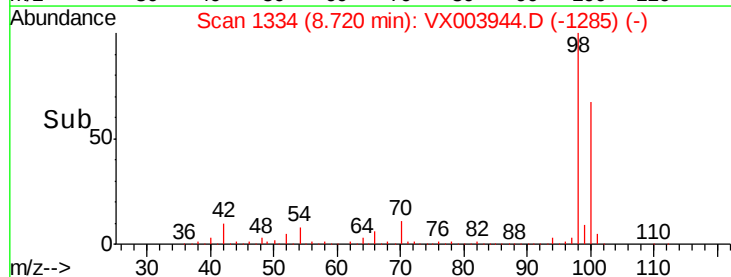
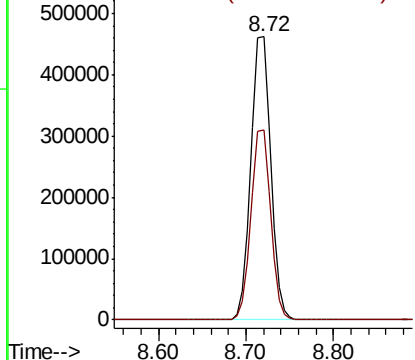


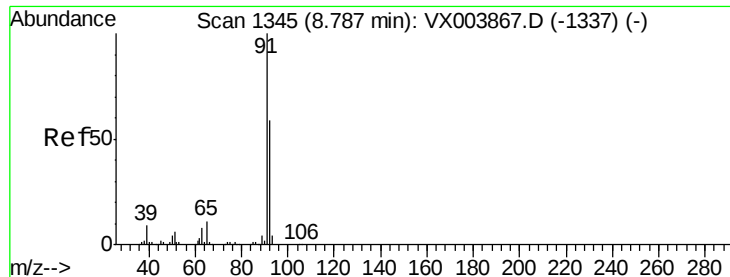
#50  
Toluene-d8  
Concen: 48.00 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: VX003944.D  
Acq: 09 Aug 2018 12:24

Tgt Ion: 98 Resp: 726110  
Ion Ratio Lower Upper  
98 100  
100 66.1 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0  
Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 2.48 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003944.D

Acq: 09 Aug 2018 12:24

Instrument :

MSVOA\_X

ClientSampleId :

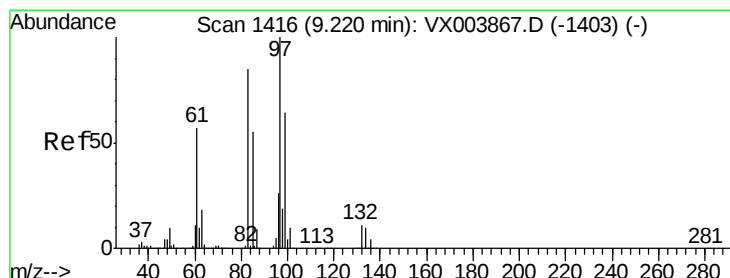
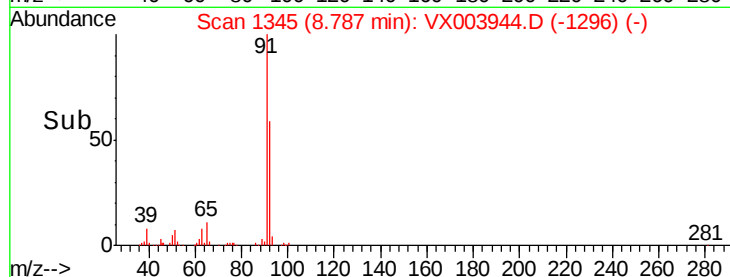
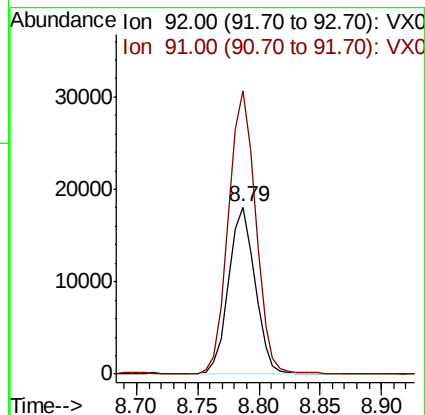
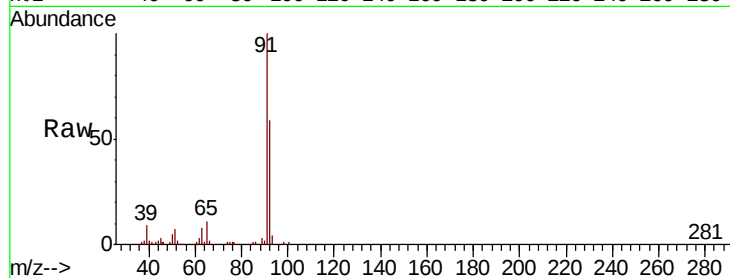
FL-0556DL

Tot Ion: 92 Resp: 27057

Ion Ratio Lower Upper

92 100

91 174.9 136.1 204.1



#55

1,1,2-Trichloroethane

Concen: 0.54 ug/l

RT: 9.16 min Scan# 1407

Delta R.T. -0.05 min

Lab File: VX003944.D

Acq: 09 Aug 2018 12:24

Tgt Ion: 97 Resp: 2391

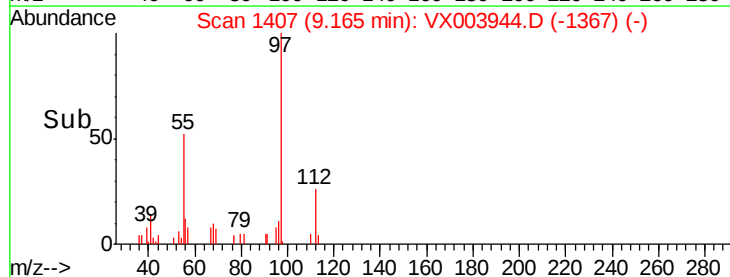
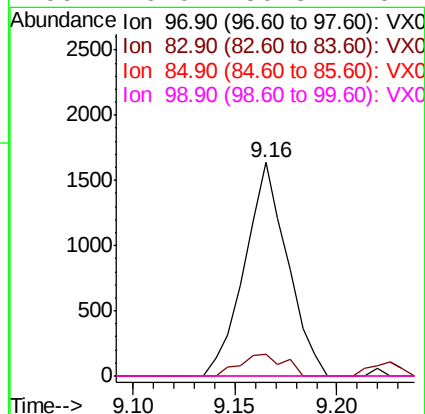
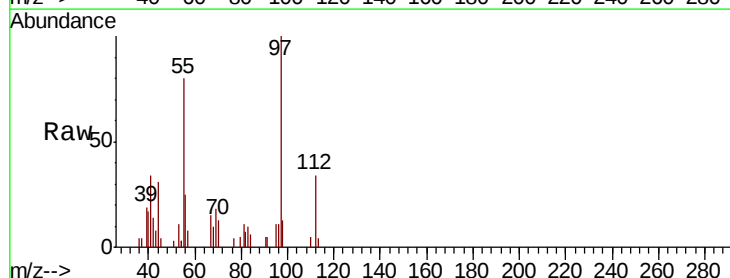
Ion Ratio Lower Upper

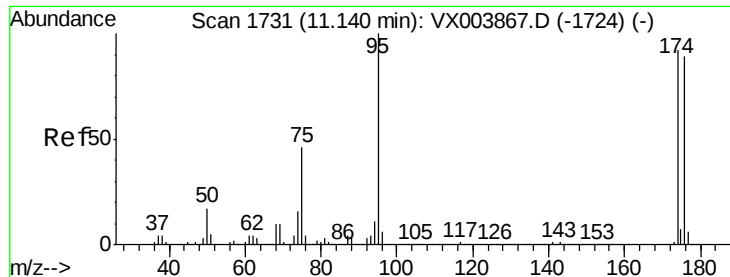
97 100

83 10.1 67.8 101.6#

85 0.0 44.2 66.2#

99 0.0 50.8 76.2#

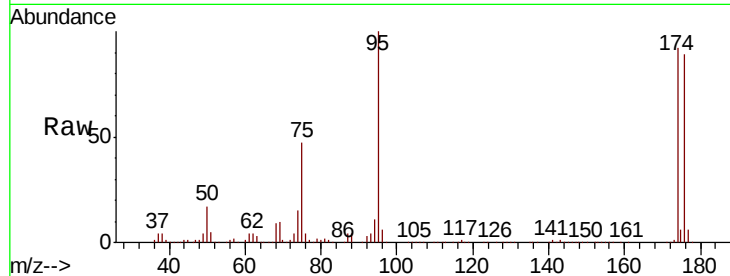




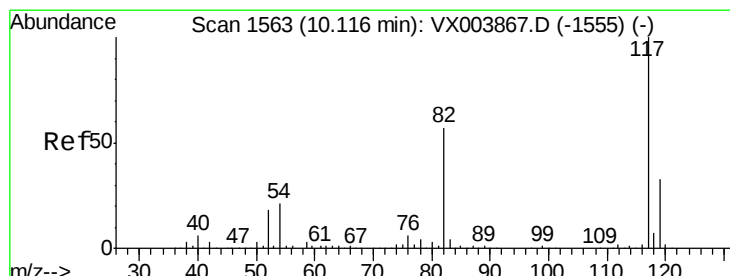
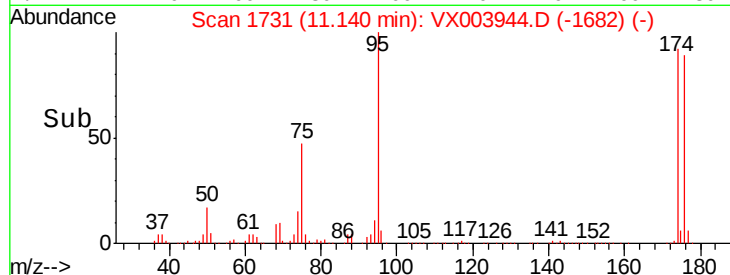
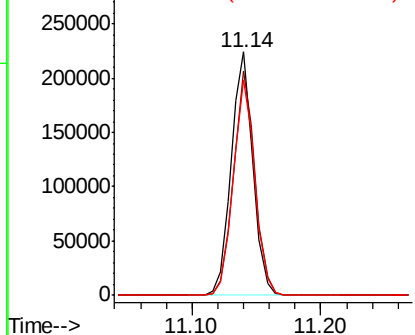
#62  
4-Bromofluorobenzene  
Concen: 54.17 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. 0.00 min  
Lab File: VX003944.D  
Acq: 09 Aug 2018 12:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
FL-0556DL

Tot Ion: 95 Resp: 265171  
Ion Ratio Lower Upper  
95 100  
174 91.1 0.0 182.8  
176 88.1 0.0 179.0

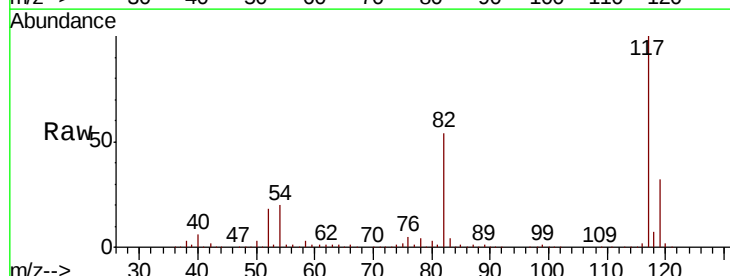


Abundance Ion 94.90 (94.60 to 95.60): VX0  
Ion 173.80 (173.50 to 174.50): V  
Ion 175.80 (175.50 to 176.50): V

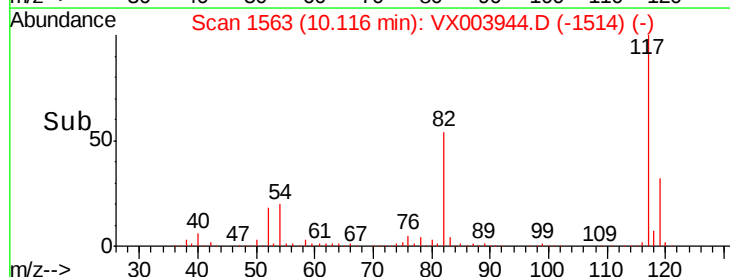
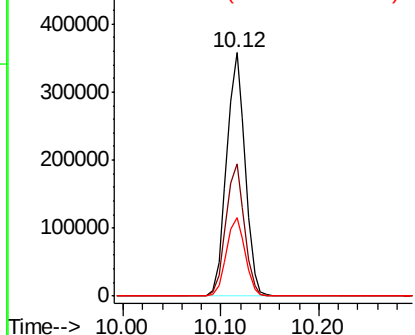


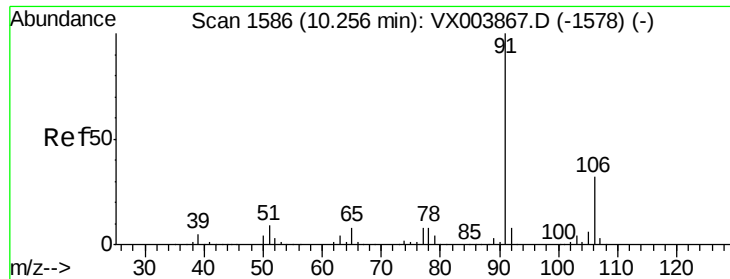
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VX003944.D  
Acq: 09 Aug 2018 12:24

Tgt Ion: 117 Resp: 470092  
Ion Ratio Lower Upper  
117 100  
82 54.2 45.4 68.0  
119 32.3 26.6 40.0



Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 22.21 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX003944.D

Acq: 09 Aug 2018 12:24

Instrument :

MSVOA\_X

ClientSampled :

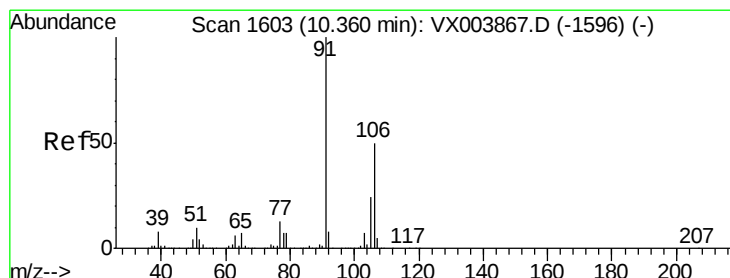
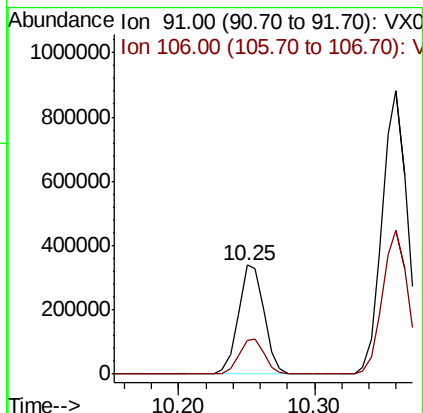
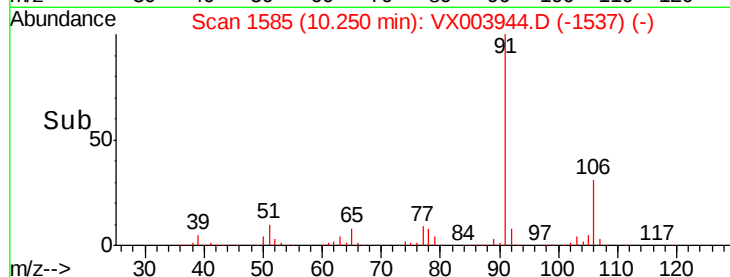
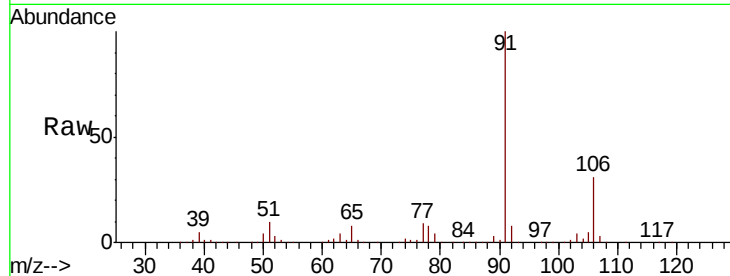
FL-0556DL

Tot Ion: 91 Resp: 444735

Ion Ratio Lower Upper

91 100

106 31.3 25.9 38.9



#68

m/p-Xylenes

Concen: 74.34 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003944.D

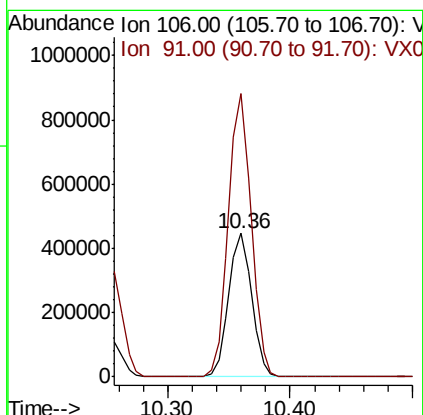
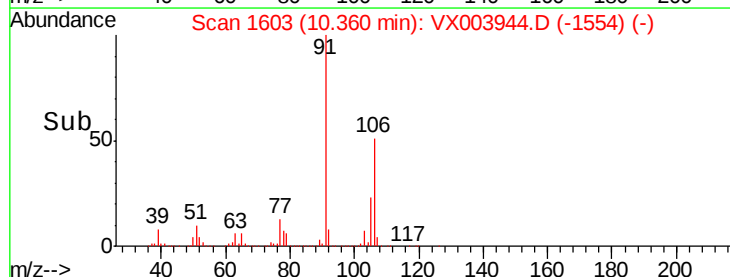
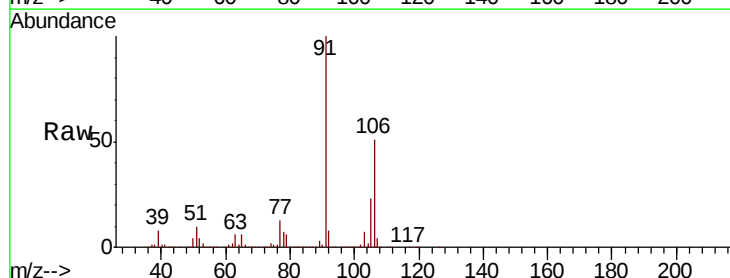
Acq: 09 Aug 2018 12:24

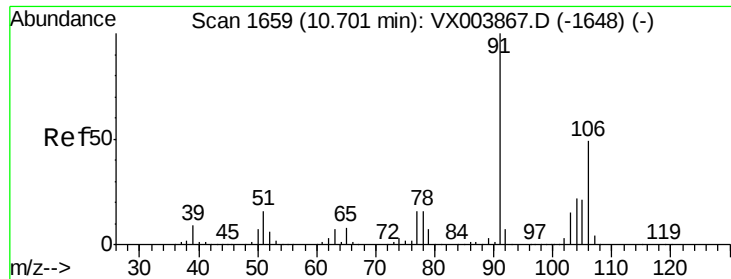
Tgt Ion: 106 Resp: 581658

Ion Ratio Lower Upper

106 100

91 196.0 162.3 243.5

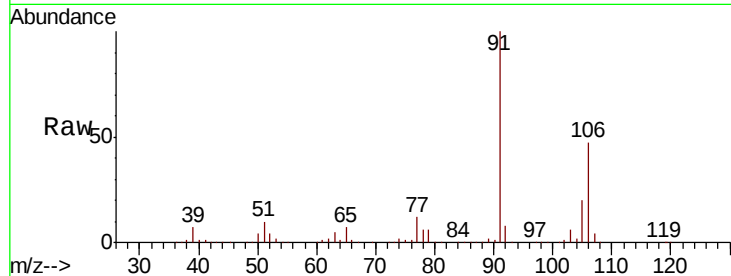




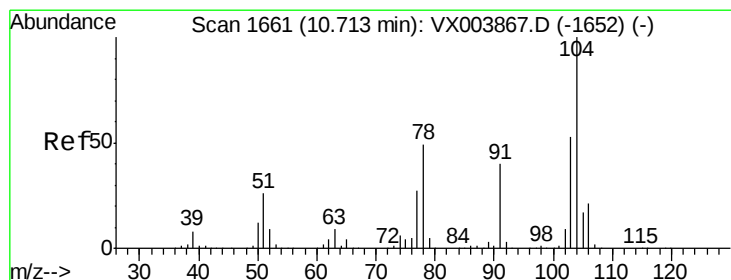
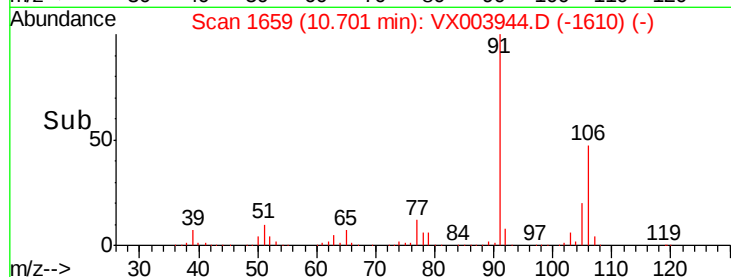
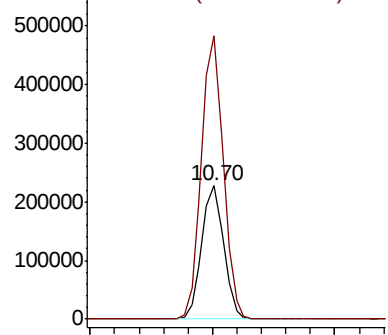
#69  
o-Xylene  
Concen: 38.33 ug/l  
RT: 10.70 min Scan# 1659  
Delta R.T. 0.00 min  
Lab File: VX003944.D  
Acq: 09 Aug 2018 12:24

Instrument :  
MSVOA\_X  
ClientSampled :  
FL-0556DL

Tot Ion:106 Resp: 283126  
Ion Ratio Lower Upper  
106 100  
91 211.1 101.9 305.7

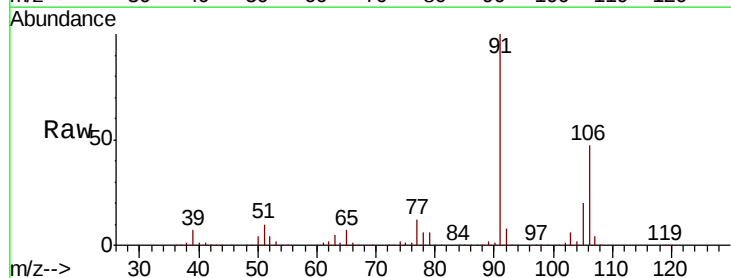


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0

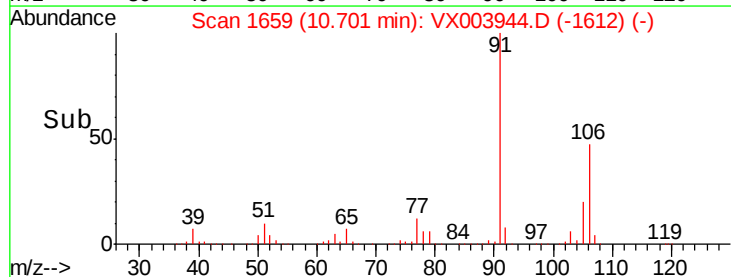
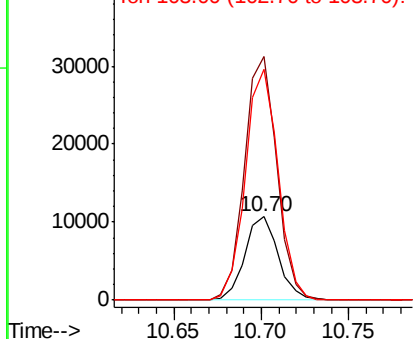


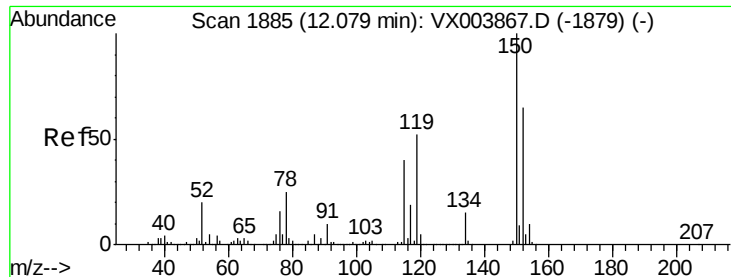
#70  
Styrene  
Concen: 1.18 ug/l  
RT: 10.70 min Scan# 1659  
Delta R.T. -0.01 min  
Lab File: VX003944.D  
Acq: 09 Aug 2018 12:24

Tgt Ion:104 Resp: 14293  
Ion Ratio Lower Upper  
104 100  
78 281.3 39.8 59.6#  
103 270.7 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VX0  
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003944.D

Acq: 09 Aug 2018 12:24

Instrument :

MSVOA\_X

ClientSampleID :

FL-0556DL

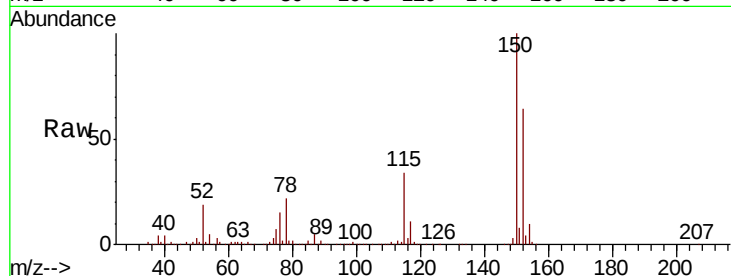
Tot Ion:152 Resp: 272914

Ion Ratio Lower Upper

152 100

115 53.9 39.1 117.3

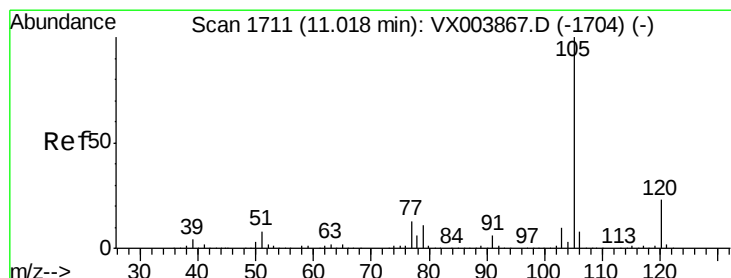
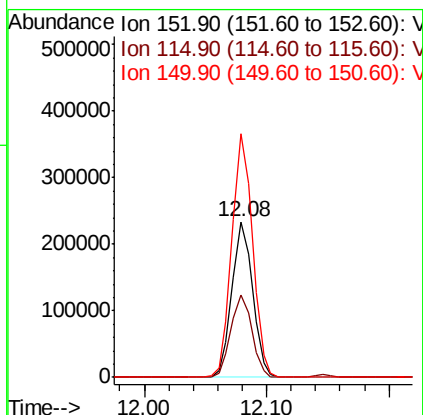
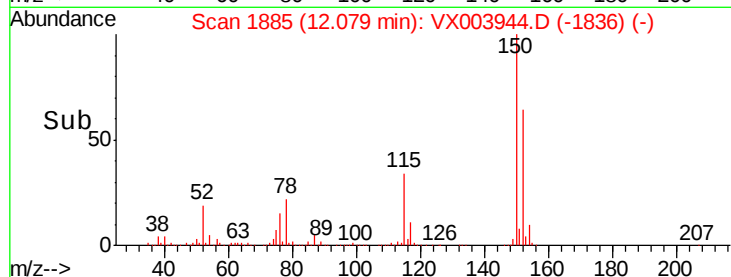
150 156.3 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 2.23 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003944.D

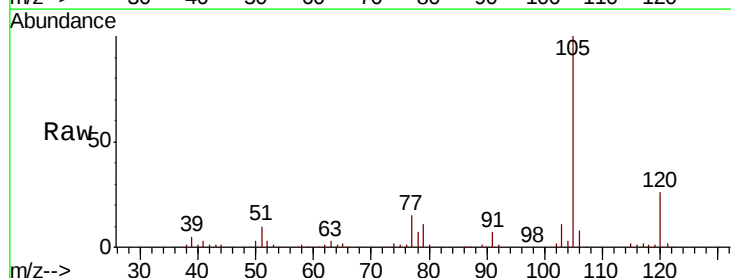
Acq: 09 Aug 2018 12:24

Tgt Ion:105 Resp: 45081

Ion Ratio Lower Upper

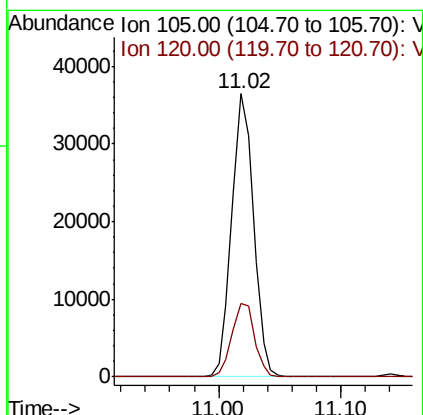
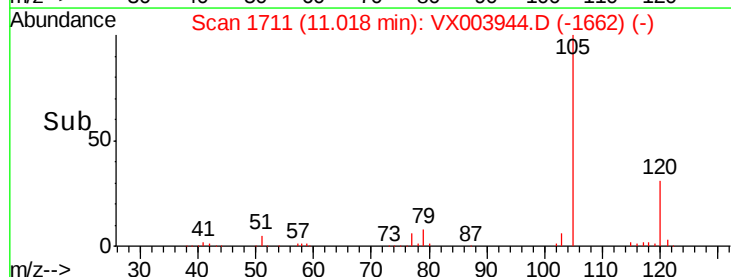
105 100

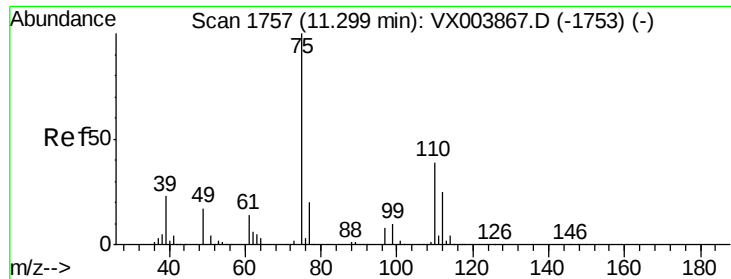
120 27.1 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 21.27 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003944.D

Acq: 09 Aug 2018 12:24

Instrument :

MSVOA\_X

ClientSampleID :

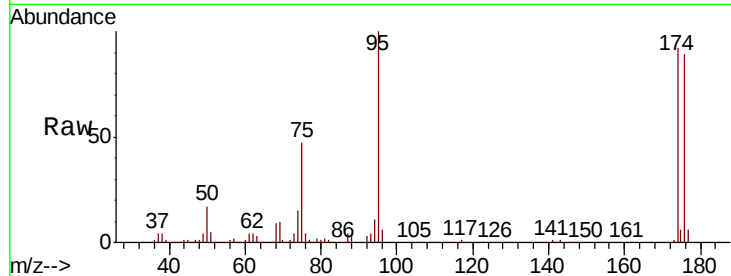
FL-0556DL

Tot Ion: 75 Resp: 128217

Ion Ratio Lower Upper

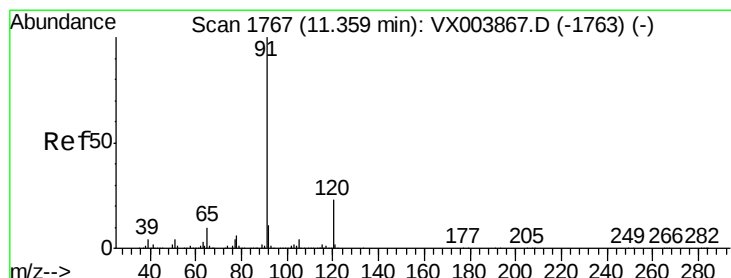
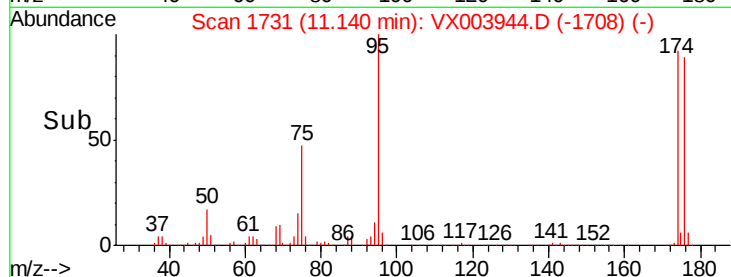
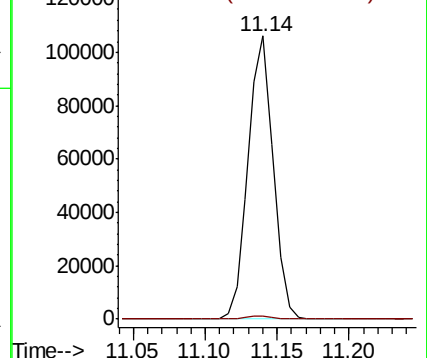
75 100

77 1.3 20.8 62.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 2.83 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003944.D

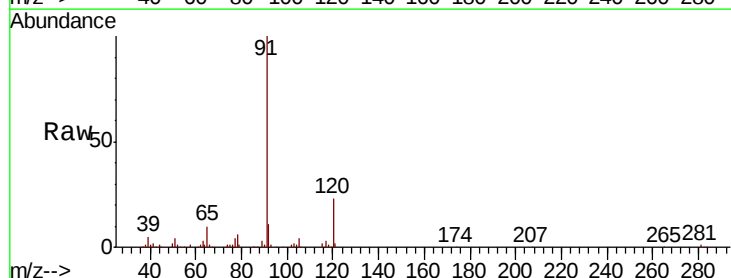
Acq: 09 Aug 2018 12:24

Tgt Ion: 91 Resp: 64260

Ion Ratio Lower Upper

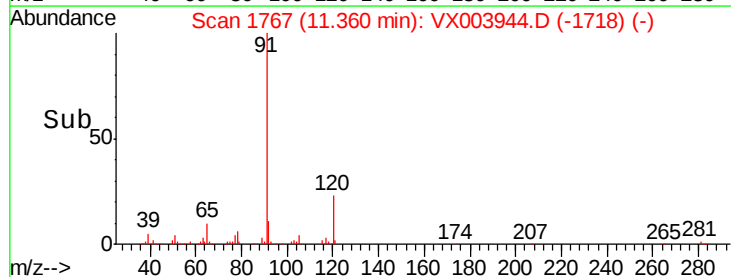
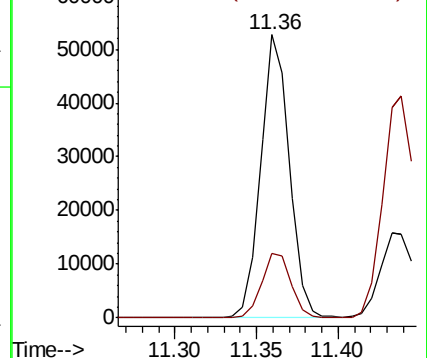
91 100

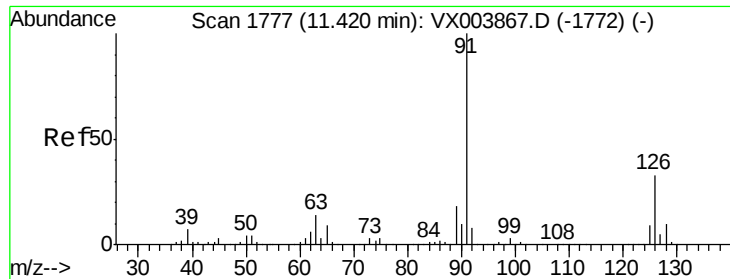
120 23.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.15 ug/l

RT: 11.43 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VX003944.D

Acq: 09 Aug 2018 12:24

Instrument :

MSVOA\_X

ClientSampled :

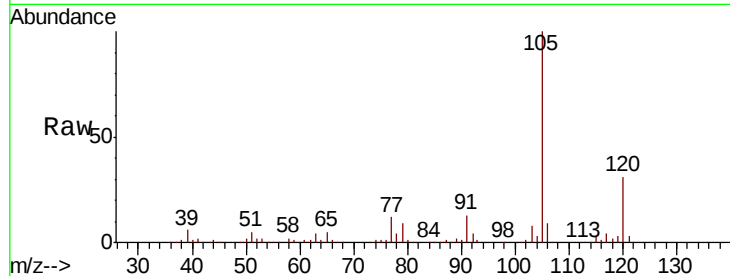
FL-0556DL

Tot Ion: 91 Resp: 29686

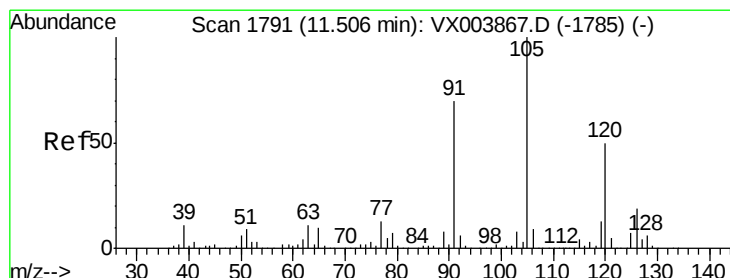
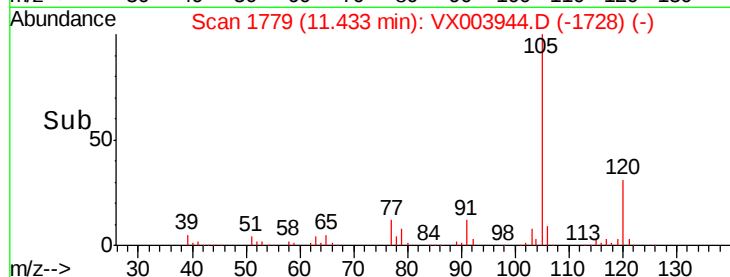
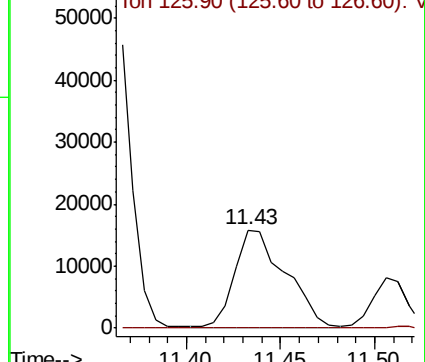
Ion Ratio Lower Upper

91 100

126 0.6 17.4 52.3#



Abundance Ion 91.00 (90.70 to 91.70): VX003867.D (-1772) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.75 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003944.D

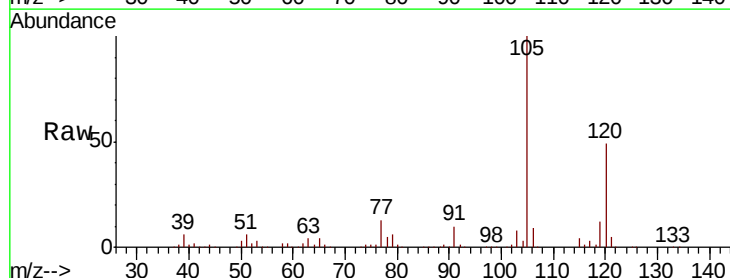
Acq: 09 Aug 2018 12:24

Tgt Ion:105 Resp: 94730

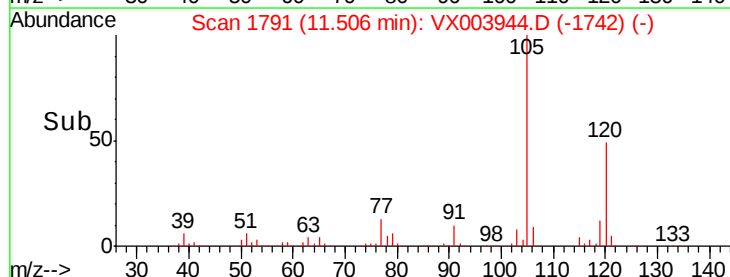
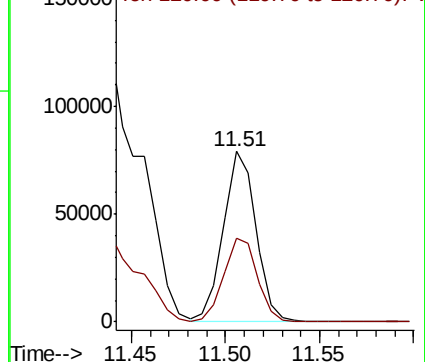
Ion Ratio Lower Upper

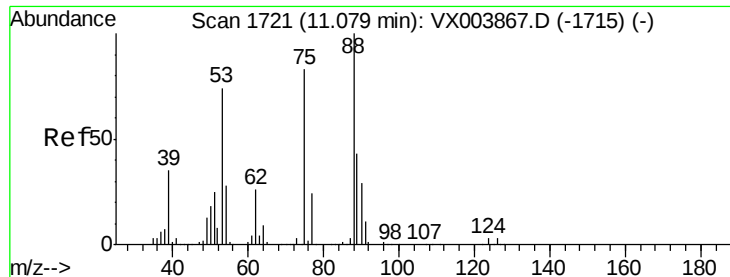
105 100

120 51.3 25.4 76.2



Abundance Ion 105.00 (104.70 to 105.70): VX003867.D (-1785) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 57.51 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003944.D

Acq: 09 Aug 2018 12:24

Instrument :

MSVOA\_X

ClientSampled :

FL-0556DL

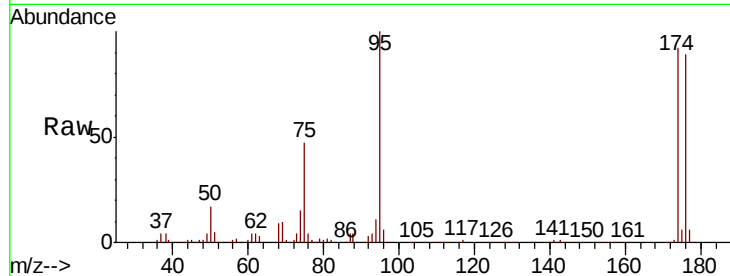
Tot Ion: 75 Resp: 128217

Ion Ratio Lower Upper

75 100

53 0.1 80.3 120.5#

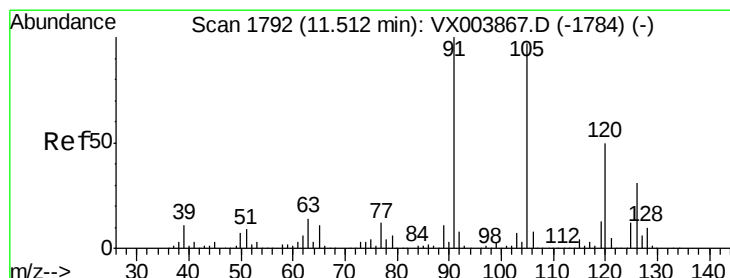
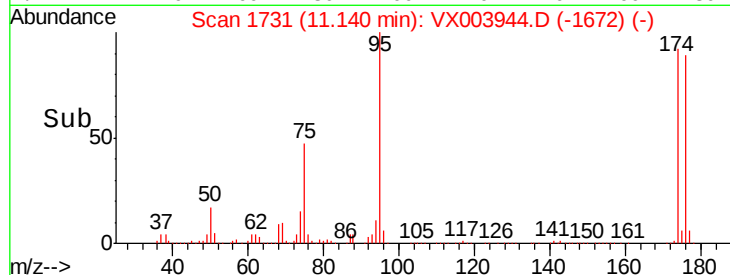
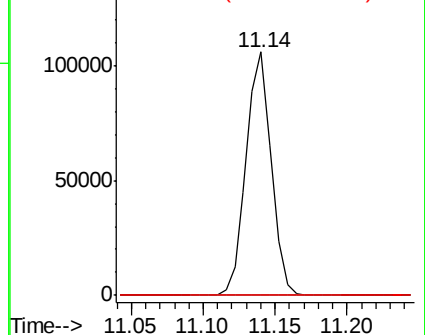
89 0.1 37.8 56.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 0.64 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003944.D

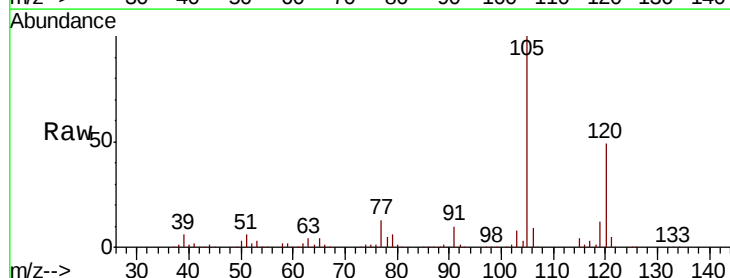
Acq: 09 Aug 2018 12:24

Tgt Ion: 91 Resp: 10359

Ion Ratio Lower Upper

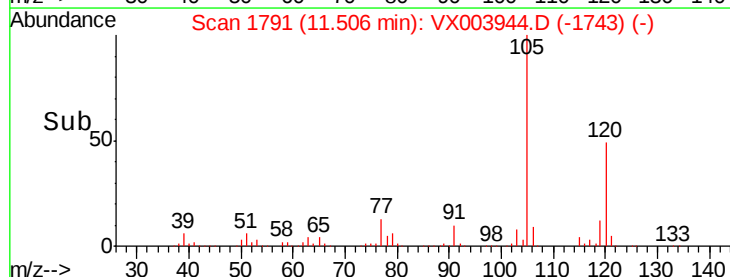
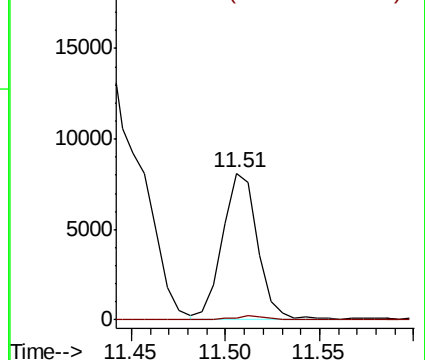
91 100

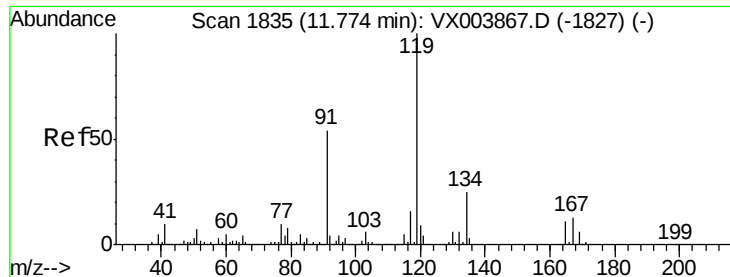
126 2.7 15.6 46.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

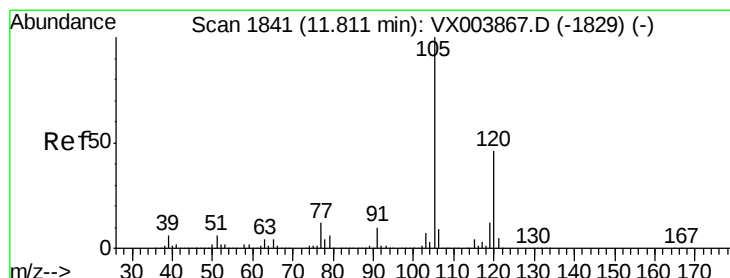
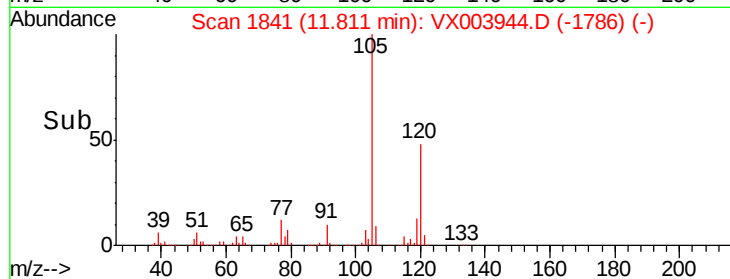
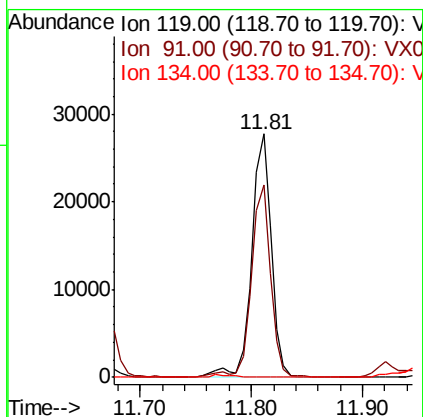
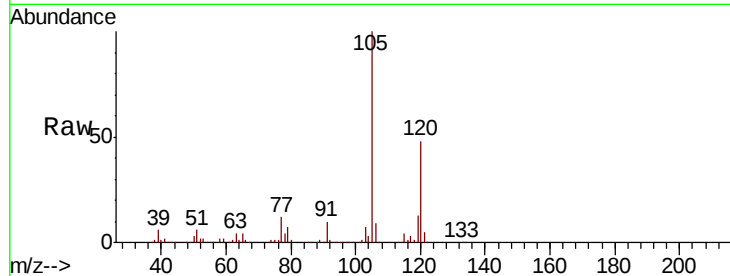




#83  
 tert-Butylbenzene  
 Concen: 2.09 ug/l  
 RT: 11.81 min Scan# 1841  
 Delta R.T. 0.04 min  
 Lab File: VX003944.D  
 Acq: 09 Aug 2018 12:24

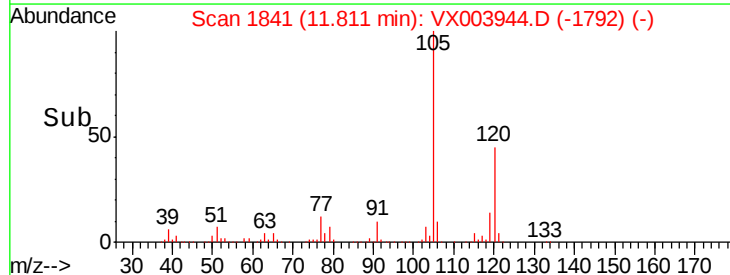
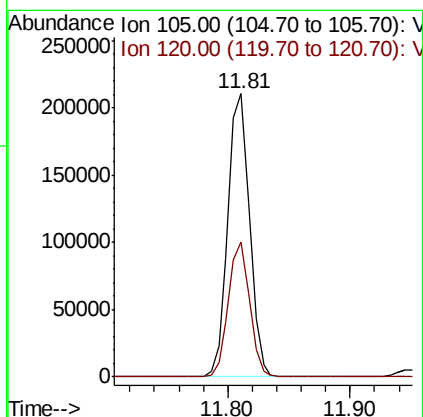
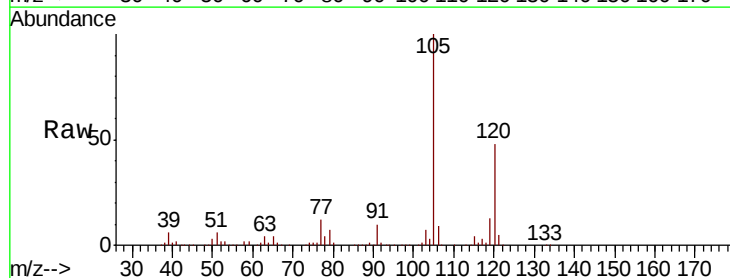
Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 FL-0556DL

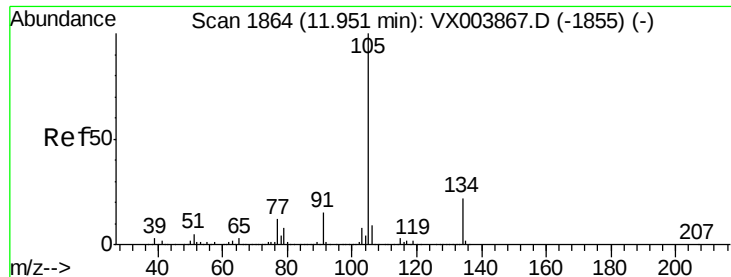
Tot Ion:119 Resp: 33900  
 Ion Ratio Lower Upper  
 119 100  
 91 77.8 26.9 80.7  
 134 0.5 12.0 36.0#



#84  
 1,2,4-Trimethylbenzene  
 Concen: 15.60 ug/l  
 RT: 11.81 min Scan# 1841  
 Delta R.T. 0.00 min  
 Lab File: VX003944.D  
 Acq: 09 Aug 2018 12:24

Tgt Ion:105 Resp: 258164  
 Ion Ratio Lower Upper  
 105 100  
 120 46.8 23.1 69.2





#85

sec-Butylbenzene

Concen: 13.51 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.14 min

Lab File: VX003944.D

Acq: 09 Aug 2018 12:24

Instrument :

MSVOA\_X

ClientSampleID :

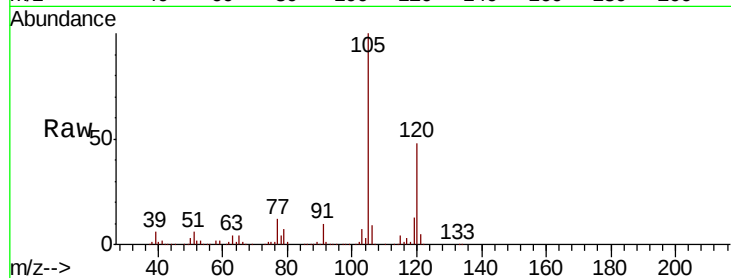
FL-0556DL

Tot Ion:105 Resp: 258142

Ion Ratio Lower Upper

105 100

134 0.1 10.3 30.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

50000

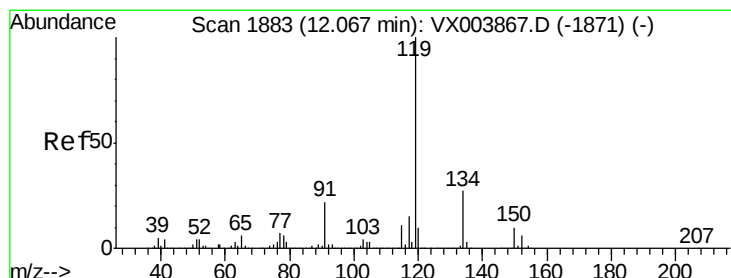
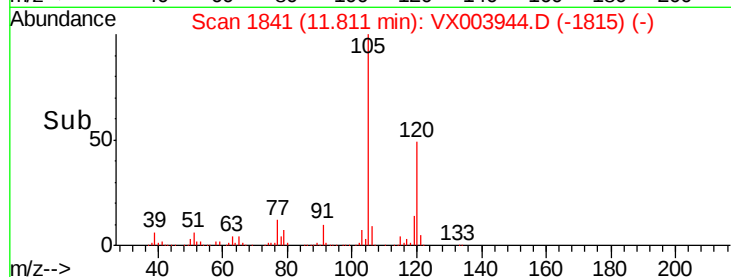
0

11.81

11.80

11.90

Time-->



#86

p-Isopropyltoluene

Concen: 0.51 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.04 min

Lab File: VX003944.D

Acq: 09 Aug 2018 12:24

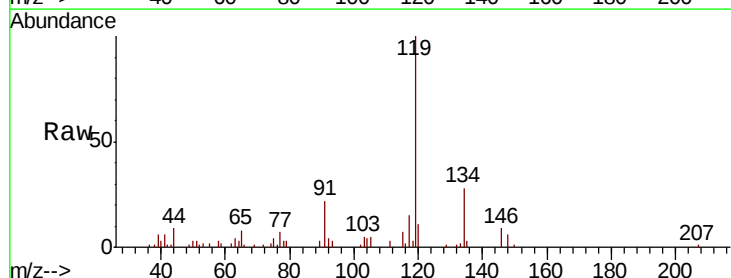
Tgt Ion:119 Resp: 8664

Ion Ratio Lower Upper

119 100

134 30.3 13.3 39.8

91 24.5 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

8000

6000

4000

2000

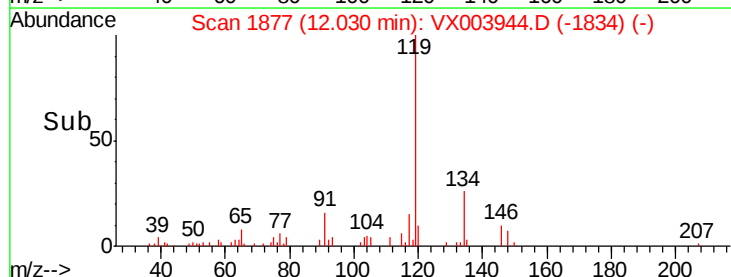
0

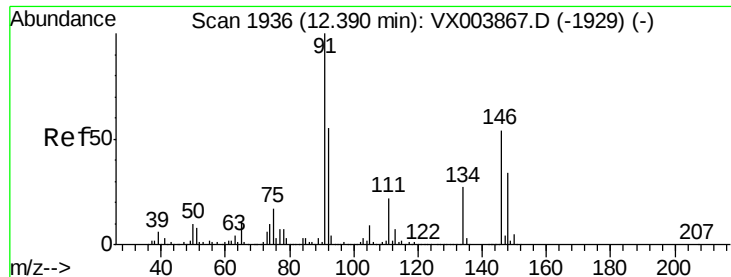
12.03

12.00

12.05

Time-->





#89

n-Butylbenzene

Concen: 0.38 ug/l

RT: 12.38 min Scan# 1935

Delta R.T. -0.01 min

Lab File: VX003944.D

Acq: 09 Aug 2018 12:24

Instrument :

MSVOA\_X

ClientSampled :

FL-0556DL

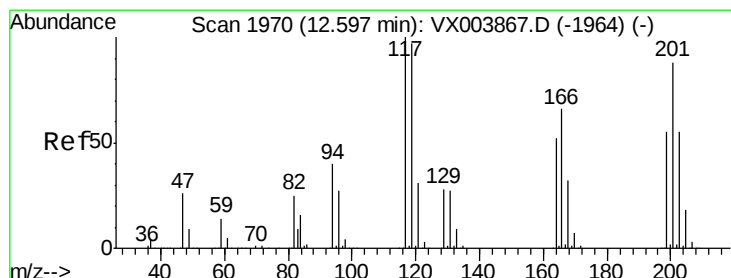
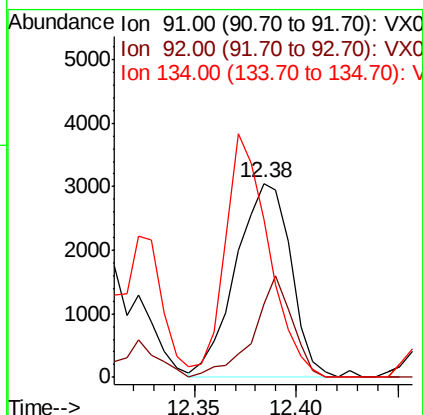
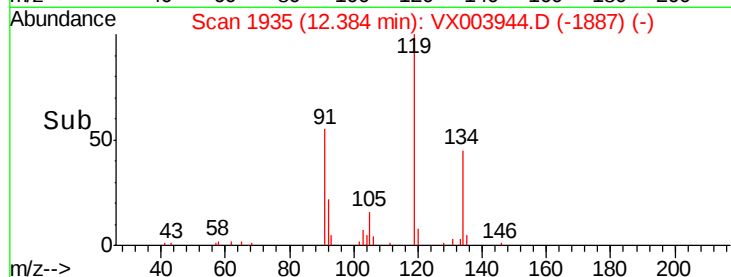
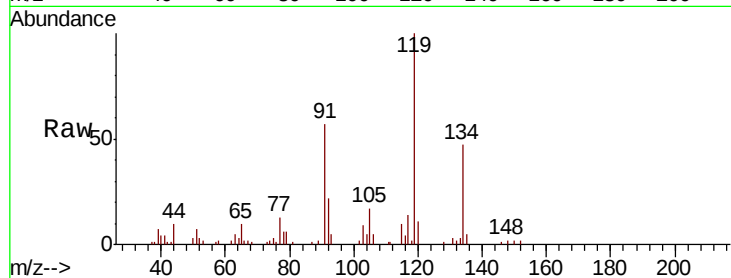
Tot Ion: 91 Resp: 5723

Ion Ratio Lower Upper

91 100

92 36.9 27.1 81.3

134 98.6 13.6 40.7#



#90

Hexachloroethane

Concen: 0.30 ug/l

RT: 12.59 min Scan# 1968

Delta R.T. -0.01 min

Lab File: VX003944.D

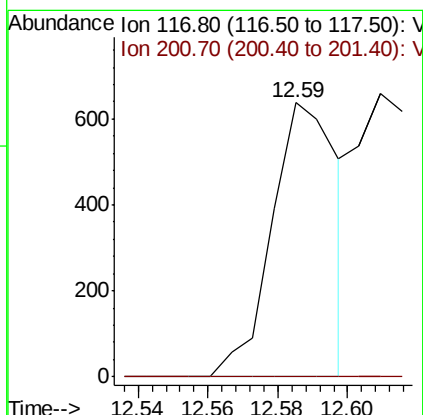
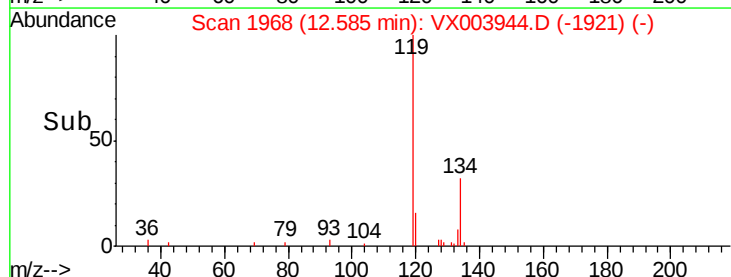
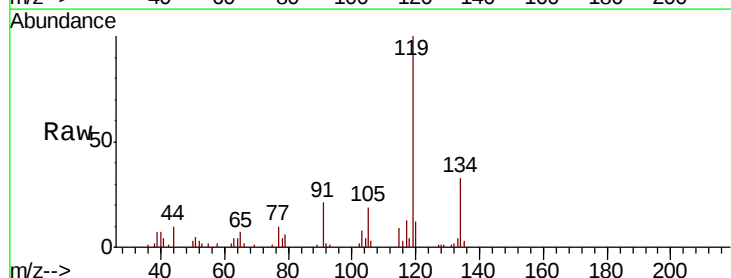
Acq: 09 Aug 2018 12:24

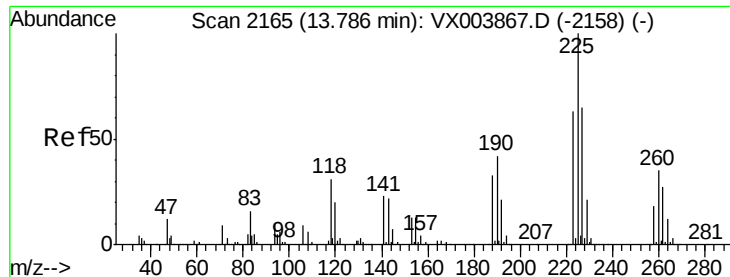
Tgt Ion: 117 Resp: 836

Ion Ratio Lower Upper

117 100

201 0.0 46.1 138.2#





#94

Hexachlorobutadiene

Concen: 0.51 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX003944.D

Acq: 09 Aug 2018 12:24

Instrument :

MSVOA\_X

ClientSampled :

FL-0556DL

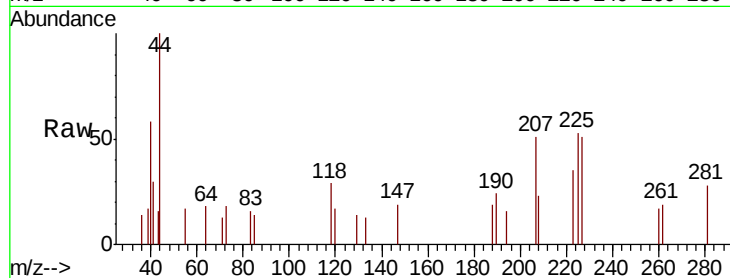
Tot Ion:225 Resp: 250

Ion Ratio Lower Upper

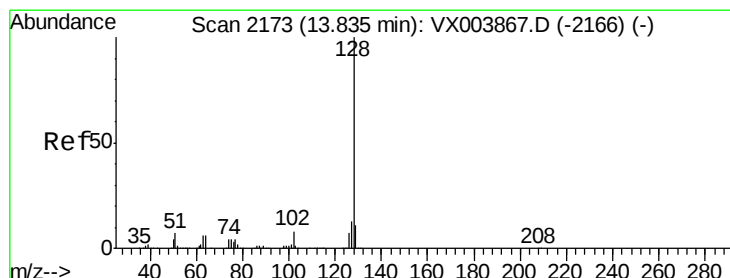
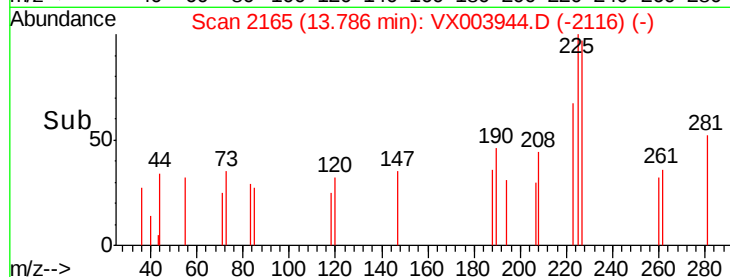
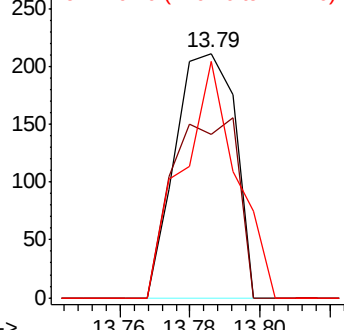
225 100

223 80.8 31.4 94.0

227 88.4 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V  
Ion 222.70 (222.40 to 223.40): V  
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 4.33 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003944.D

Acq: 09 Aug 2018 12:24

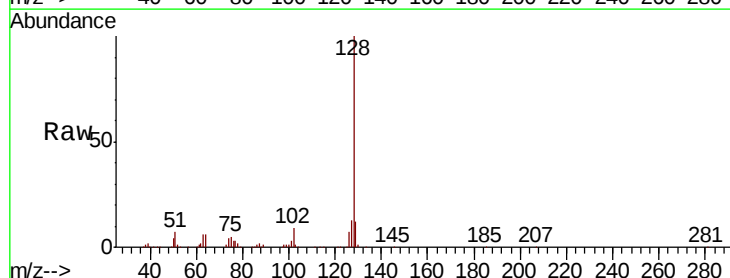
Tgt Ion:128 Resp: 87969

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

129 11.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V

