

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082318\  
 Data File : VX004235.D  
 Acq On : 23 Aug 2018 19:00  
 Operator : JC/MD  
 Sample : J4579-11DL 20X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FL-0552DL

Quant Time: Aug 24 09:43:39 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 23 05:39:44 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 310399   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 479759   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 427807   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 264607   | 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   | 200752   | 49.62 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.24%  |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 171466   | 48.04 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.08%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 672557   | 49.92 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.84%  |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 252927   | 50.32 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.64% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 3) Chloromethane               | 1.32  | 50   | 1541     | 0.68      | ug/l # | 80     |
| 5) Bromomethane                | 1.64  | 94   | 1014     | Below Cal | #      | 72     |
| 6) Chloroethane                | 1.60  | 64   | 2714     | 1.79      | ug/l # | 48     |
| 10) Methyl Iodide              | 2.51  | 142  | 484      | 4.38      | ug/l # | 89     |
| 13) Acrolein                   | 2.39  | 56   | 1969     | 9.47      | ug/l # | 79     |
| 14) Allyl chloride             | 2.84  | 41   | 4608     | 0.76      | ug/l # | 67     |
| 15) Acrylonitrile              | 3.16  | 53   | 1917     | 0.90      | ug/l # | 47     |
| 16) Acetone                    | 2.44  | 43   | 1654     | Below Cal | #      | 83     |
| 17) Carbon Disulfide           | 2.56  | 76   | 645      | 0.87      | ug/l # | 93     |
| 18) Methyl Acetate             | 2.84  | 43   | 12570    | 2.09      | ug/l # | 51     |
| 20) Methylene Chloride         | 2.85  | 84   | 1277     | 0.33      | ug/l # | 80     |
| 25) 2-Butanone                 | 4.71  | 43   | 270      | Below Cal | #      | 47     |
| 29) Tetrahydrofuran            | 5.17  | 42   | 892      | 0.51      | ug/l # | 59     |
| 31) Cyclohexane                | 5.57  | 56   | 57220    | 10.09     | ug/l   | 99     |
| 36) 1,1-Dichloropropene        | 5.66  | 75   | 20745    | 3.85      | ug/l # | 49     |
| 38) Carbon Tetrachloride       | 5.66  | 117  | 27122    | 5.35      | ug/l # | 15     |
| 39) Methylcyclohexane          | 7.46  | 83   | 48804    | 7.93      | ug/l   | 98     |
| 48) Methyl methacrylate        | 7.74  | 41   | 2368     | 0.54      | ug/l # | 66     |
| 55) 1,1,2-Trichloroethane      | 9.16  | 97   | 1995     | 0.49      | ug/l # | 21     |
| 67) Ethyl Benzene              | 10.25 | 91   | 382150   | 21.92     | ug/l   | 93     |
| 68) m/p-Xylenes                | 10.36 | 106  | 491916   | 72.15     | ug/l   | 100    |
| 69) o-Xylene                   | 10.70 | 106  | 218237   | 33.84     | ug/l   | 95     |
| 70) Styrene                    | 10.70 | 104  | 11044    | 1.06      | ug/l # | 1      |
| 73) Isopropylbenzene           | 11.02 | 105  | 29052    | 1.67      | ug/l   | 100    |
| 76) 1,2,3-Trichloropropane     | 11.14 | 75   | 121264   | 22.53     | ug/l # | 37     |
| 78) n-propylbenzene            | 11.36 | 91   | 48440    | 2.42      | ug/l   | 100    |
| 79) 2-Chlorotoluene            | 11.43 | 91   | 29414    | 2.39      | ug/l # | 40     |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 95743    | 6.65      | ug/l   | 100    |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75   | 121264   | 73.11     | ug/l # | 10     |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 10484    | 0.72      | ug/l # | 47     |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 266918   | 18.07     | ug/l   | 97     |
| 85) sec-Butylbenzene           | 11.81 | 105  | 266918   | 15.53     | ug/l # | 55     |
| 86) p-Isopropyltoluene         | 12.02 | 119  | 8181     | 0.53      | ug/l   | 97     |
| 89) n-Butylbenzene             | 12.38 | 91   | 8201     | 0.65      | ug/l # | 37     |

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ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FL-0552DL

Quant Time: Aug 24 09:43:39 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X082218W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 23 05:39:44 2018  
Response via : Initial Calibration

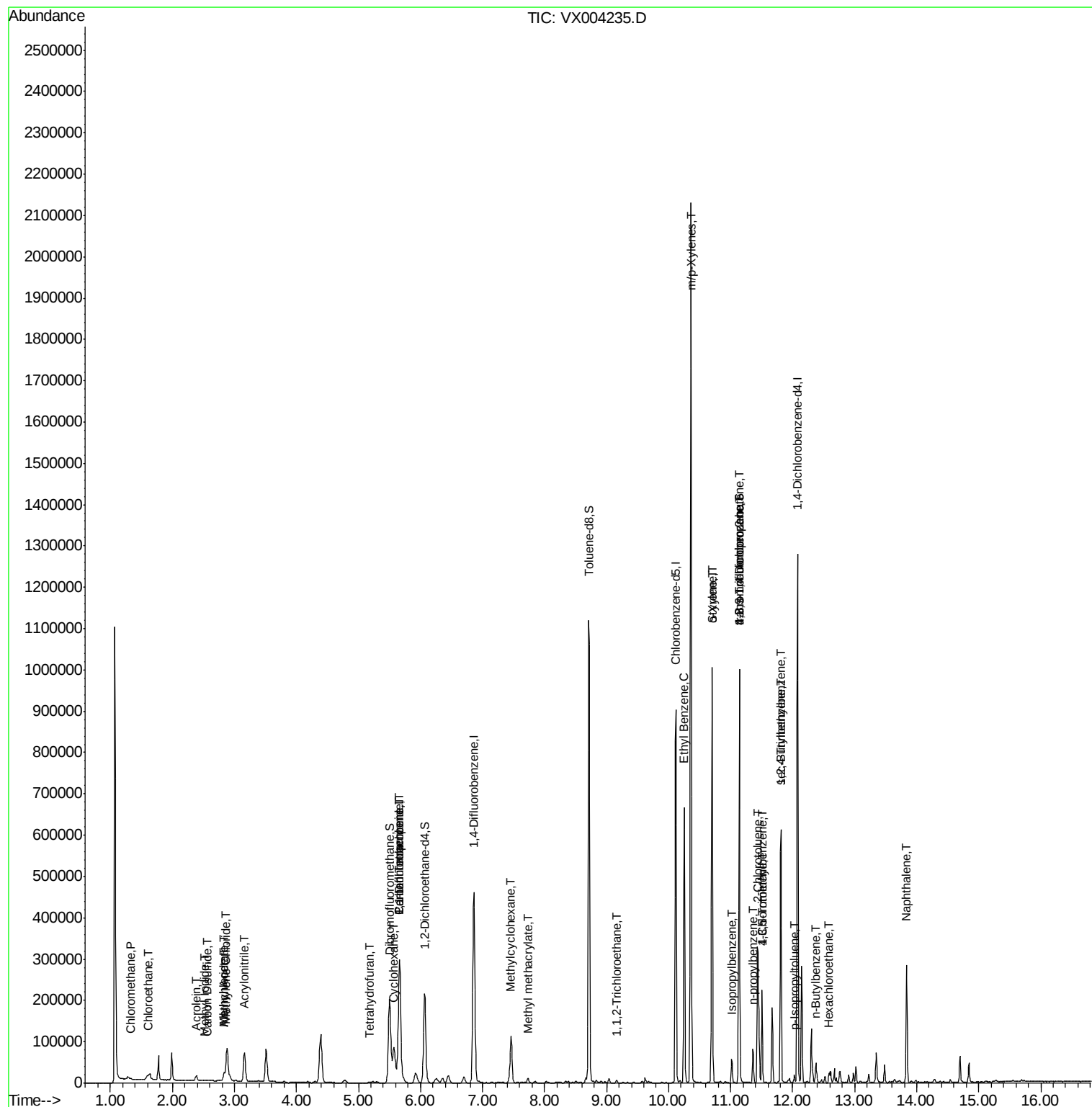
| Internal Standards      | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------|-------|------|----------|-----------|--------|----------|
| 90) Hexachloroethane    | 12.59 | 117  | 1411     | 0.66      | ug/l # | 3        |
| 94) Hexachlorobutadiene | 13.79 | 225  | 253      | Below Cal |        | 83       |
| 95) Naphthalene         | 13.83 | 128  | 183641   | 10.64     | ug/l   | 99       |

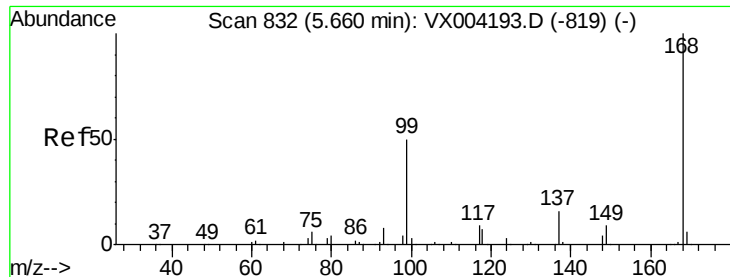
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

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Acq: 23 Aug 2018 19:00

Instrument :

MSVOA\_X

ClientSampleId :

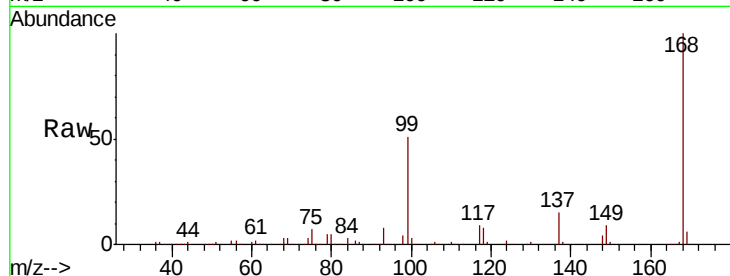
FL-0552DL

Tot Ion:168 Resp: 310399

Ion Ratio Lower Upper

168 100

99 50.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

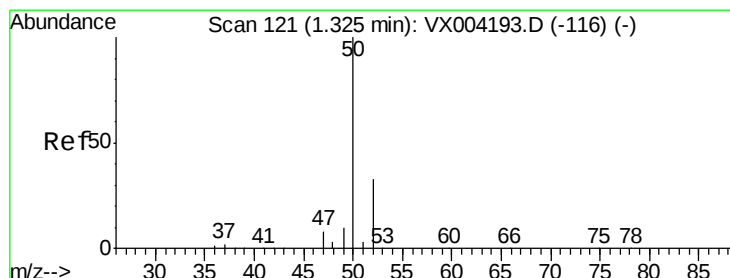
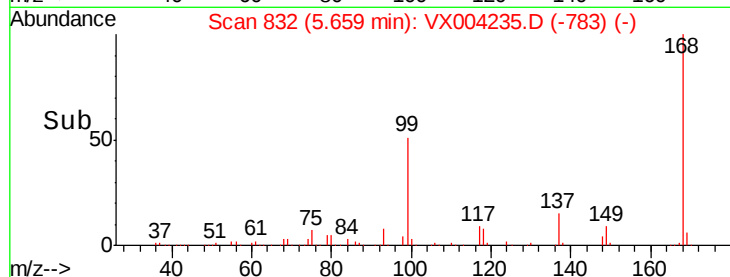
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.68 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004235.D

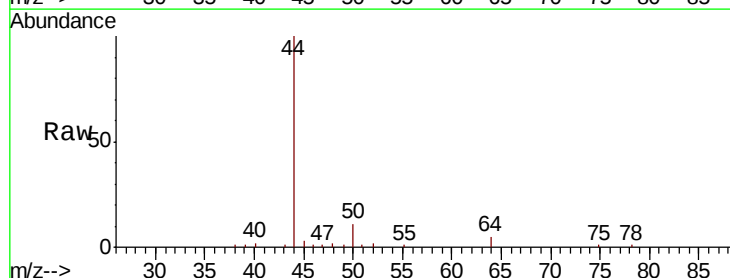
Acq: 23 Aug 2018 19:00

Tgt Ion: 50 Resp: 1541

Ion Ratio Lower Upper

50 100

52 21.4 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1200

1000

800

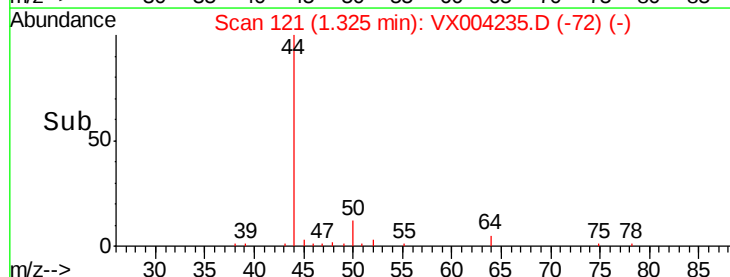
600

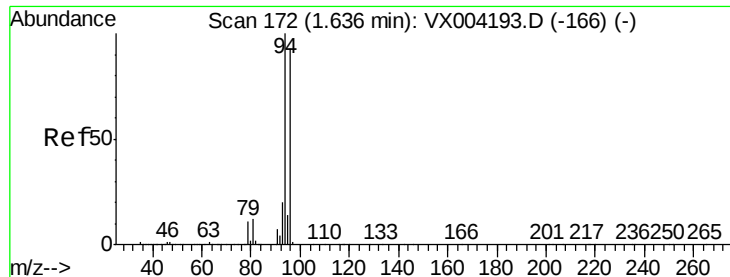
400

200

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004235.D

Acq: 23 Aug 2018 19:00

Instrument :

MSVOA\_X

ClientSampleId :

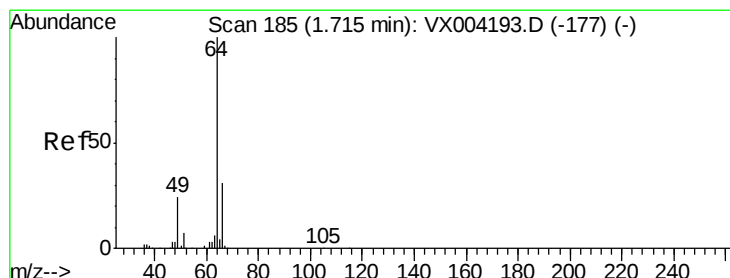
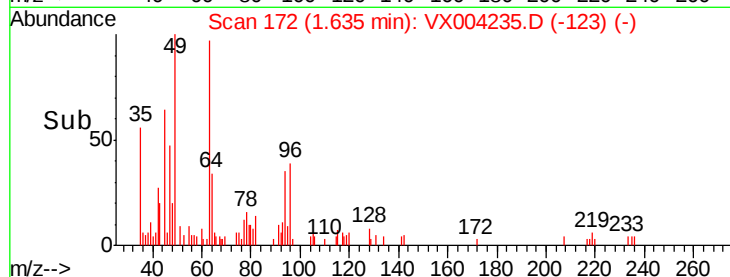
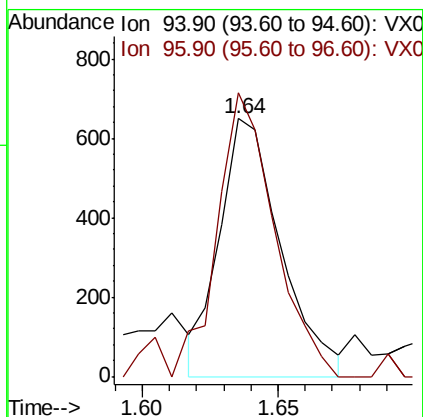
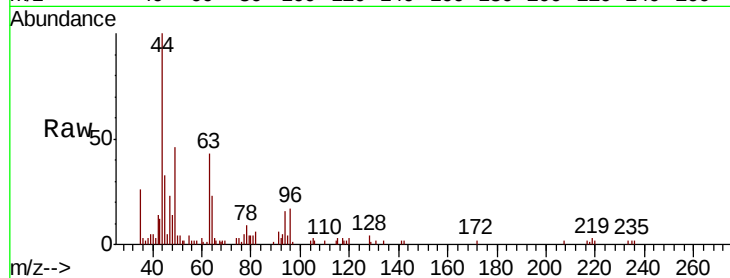
FL-0552DL

Tot Ion: 94 Resp: 1014

Ion Ratio Lower Upper

94 100

96 120.0 74.5 111.7#



#6

Chloroethane

Concen: 1.79 ug/l

RT: 1.60 min Scan# 167

Delta R.T. -0.11 min

Lab File: VX004235.D

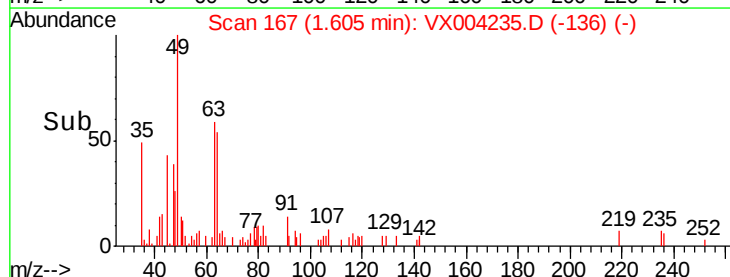
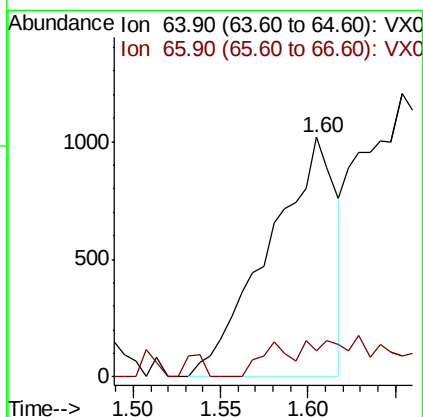
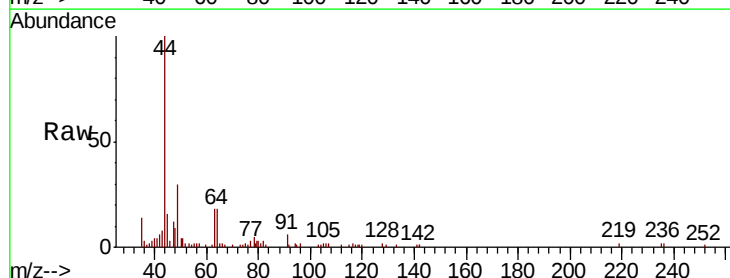
Acq: 23 Aug 2018 19:00

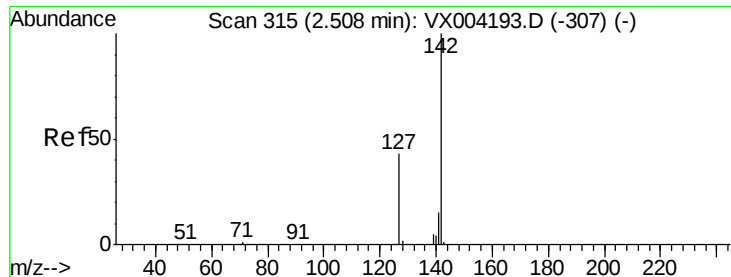
Tgt Ion: 64 Resp: 2714

Ion Ratio Lower Upper

64 100

66 2.2 24.6 36.8#

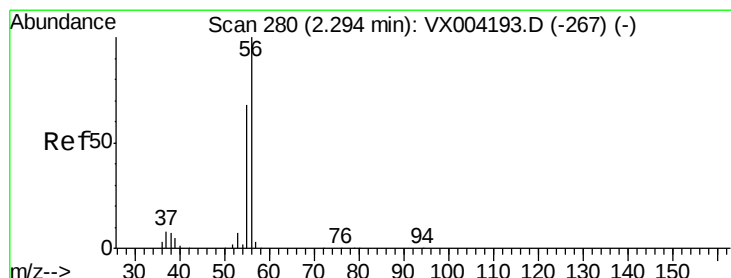
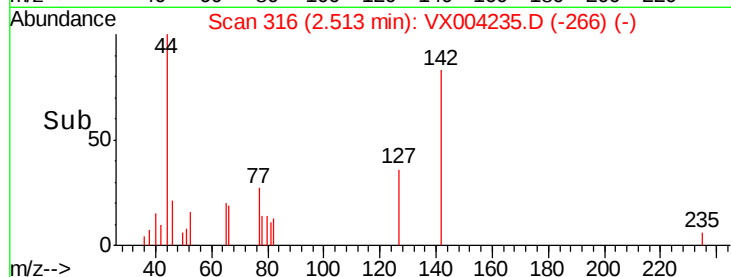
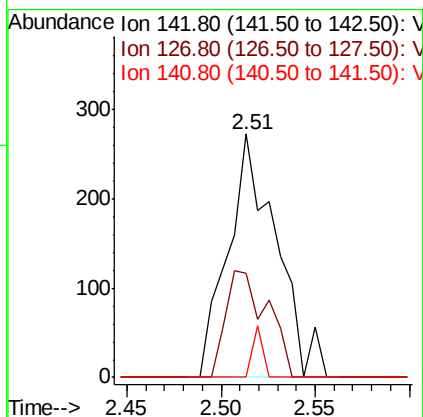
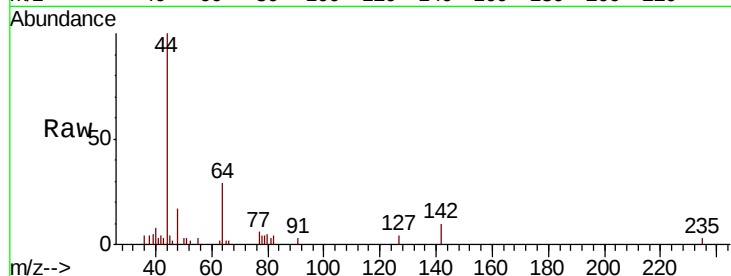




#10  
Methvl Iodide  
Concen: 4.38 ug/l  
RT: 2.51 min Scan# 316  
Delta R.T. 0.01 min  
Lab File: VX004235.D  
Acq: 23 Aug 2018 19:00

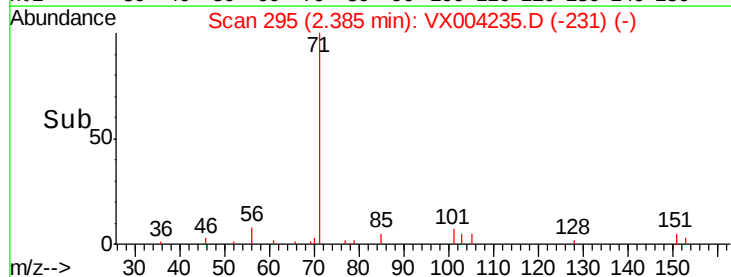
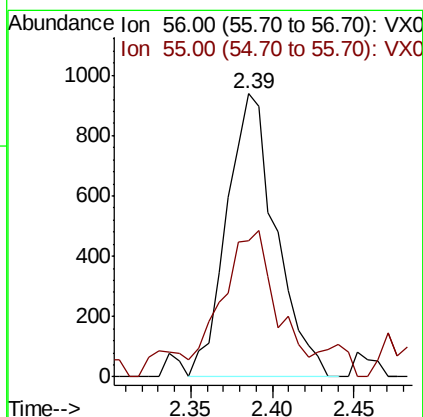
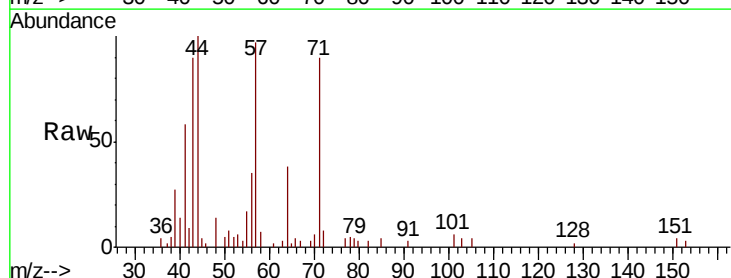
Instrument :  
MSVOA\_X  
ClientSampleId :  
FL-0552DL

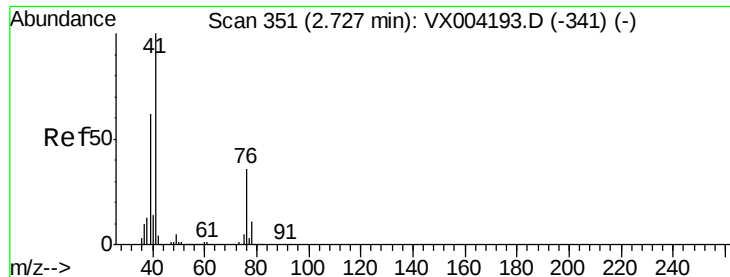
Tot Ion:142 Resp: 484  
Ion Ratio Lower Upper  
142 100  
127 37.8 33.8 50.6  
141 4.3 11.4 17.0#



#13  
Acrolein  
Concen: 9.47 ug/l  
RT: 2.39 min Scan# 295  
Delta R.T. 0.09 min  
Lab File: VX004235.D  
Acq: 23 Aug 2018 19:00

Tgt Ion: 56 Resp: 1969  
Ion Ratio Lower Upper  
56 100  
55 51.4 54.7 82.1#





#14

Allvl chloride

Concen: 0.76 ug/l

RT: 2.84 min Scan# 369

Delta R.T. 0.11 min

Lab File: VX004235.D

Acq: 23 Aug 2018 19:00

Instrument :

MSVOA\_X

ClientSampleId :

FL-0552DL

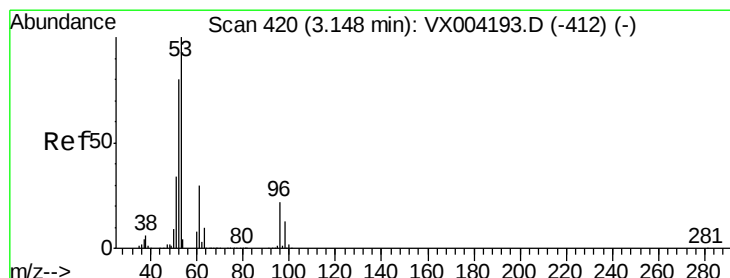
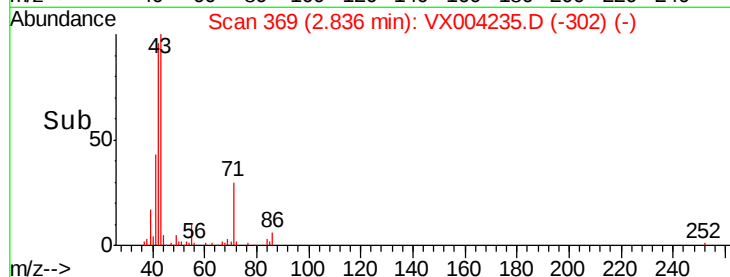
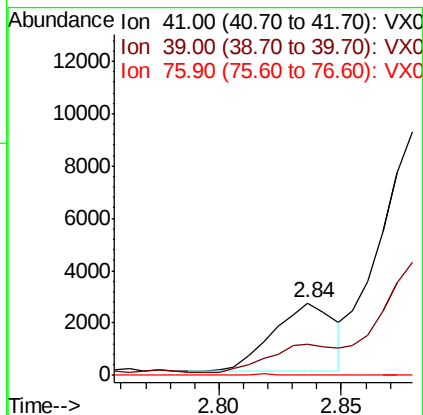
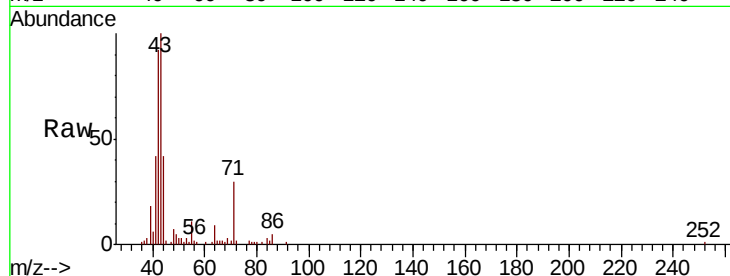
Tot Ion: 41 Resp: 4608

Ion Ratio Lower Upper

41 100

39 46.1 48.9 73.3#

76 0.0 26.7 40.1#



#15

Acrylonitrile

Concen: 0.90 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX004235.D

Acq: 23 Aug 2018 19:00

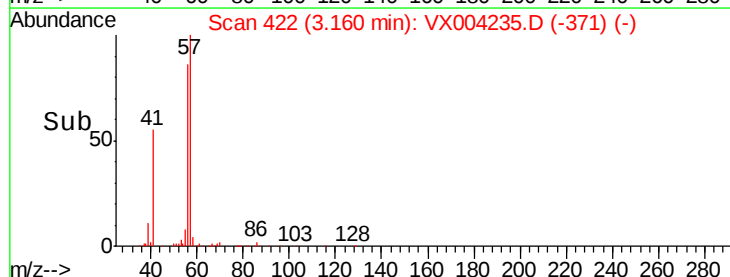
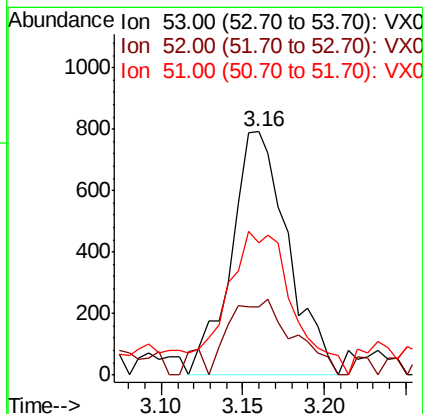
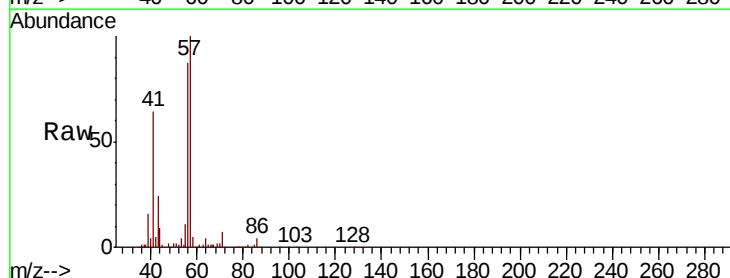
Tgt Ion: 53 Resp: 1917

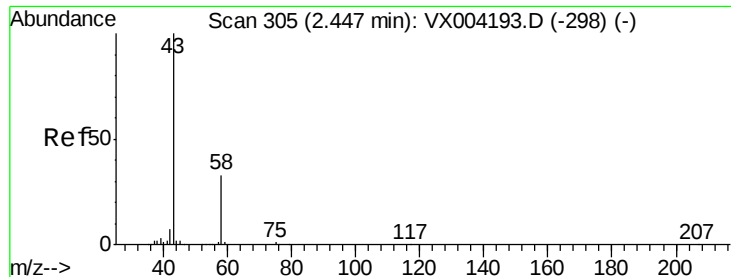
Ion Ratio Lower Upper

53 100

52 35.1 65.2 97.8#

51 67.9 28.2 42.2#





#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX004235.D

Acq: 23 Aug 2018 19:00

Instrument :

MSVOA\_X

ClientSampled :

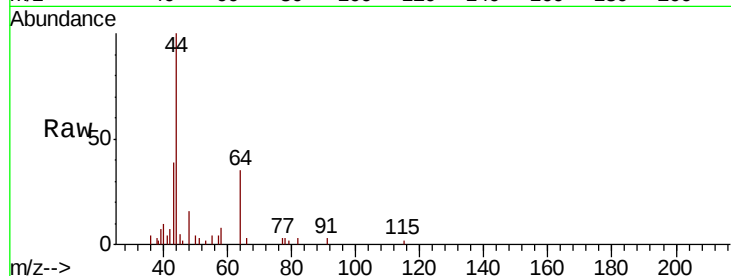
FL-0552DL

Tot Ion: 43 Resp: 1654

Ion Ratio Lower Upper

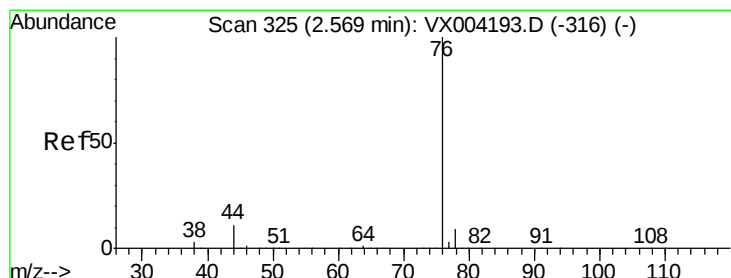
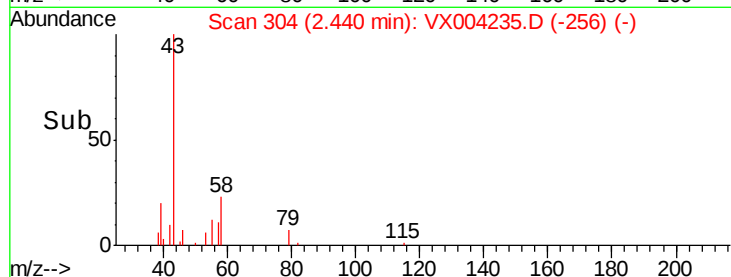
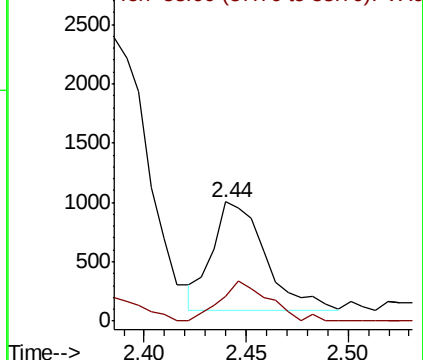
43 100

58 23.0 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.87 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX004235.D

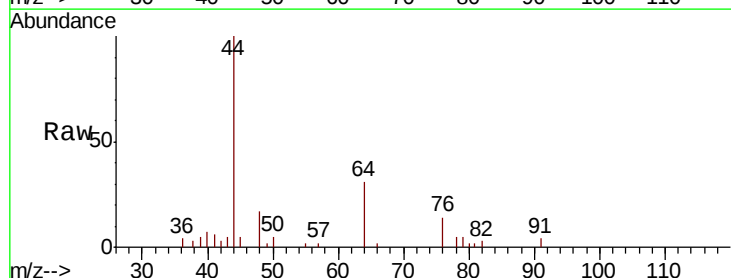
Acq: 23 Aug 2018 19:00

Tgt Ion: 76 Resp: 645

Ion Ratio Lower Upper

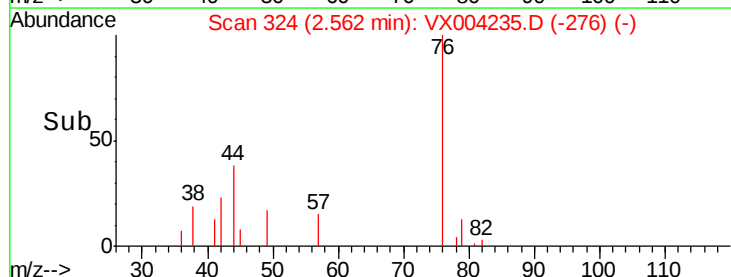
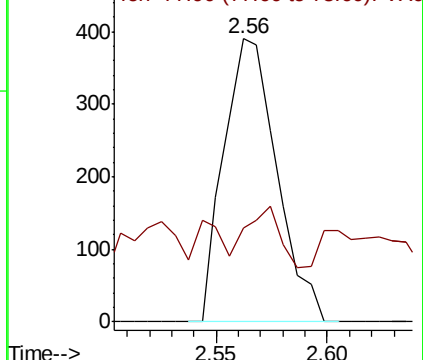
76 100

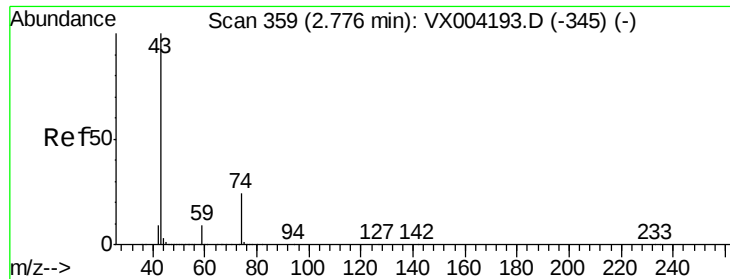
78 11.3 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

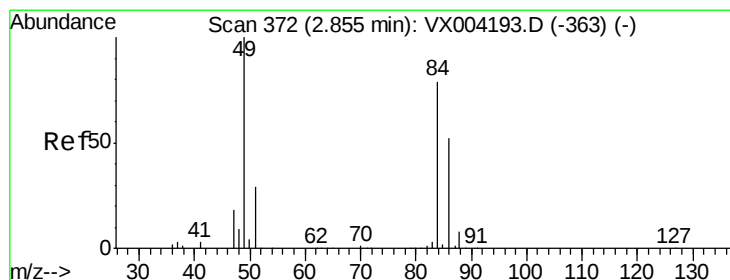
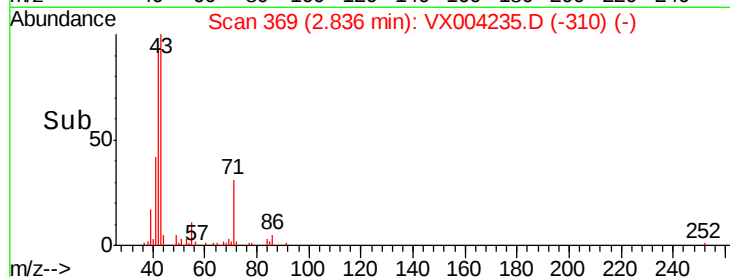
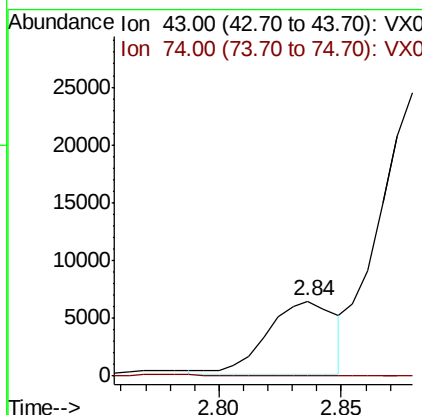
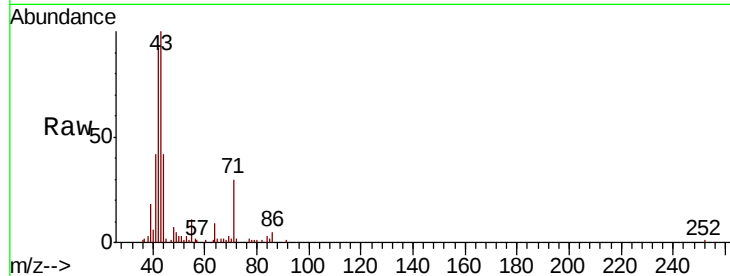




#18  
Methyl Acetate  
Concen: 2.09 ug/l  
RT: 2.84 min Scan# 369  
Delta R.T. 0.06 min  
Lab File: VX004235.D  
Acq: 23 Aug 2018 19:00

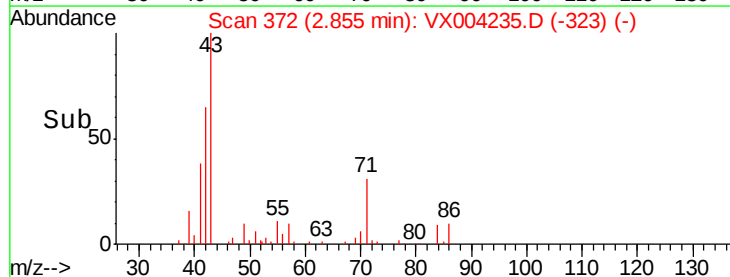
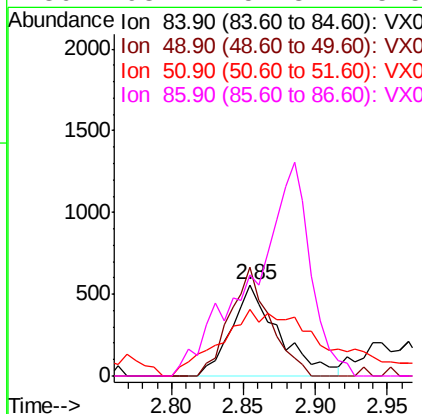
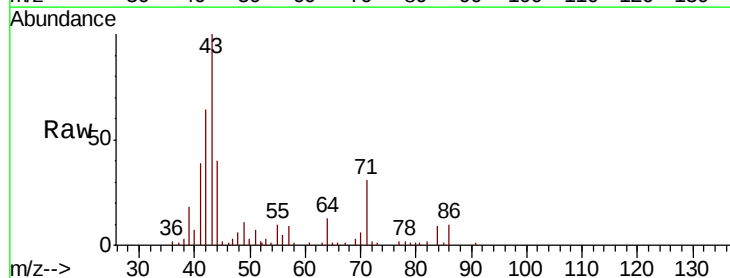
Instrument :  
MSVOA\_X  
ClientSampled :  
FL-0552DL

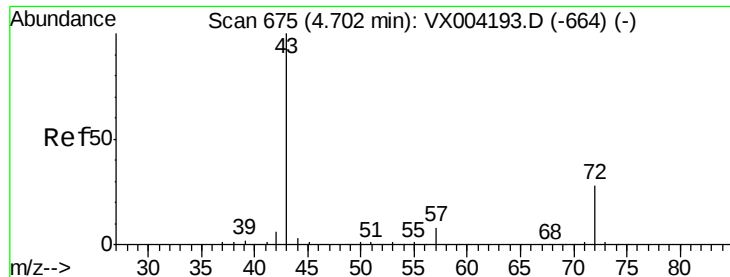
Tot Ion: 43 Resp: 12570  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.4 29.2#



#20  
Methylene Chloride  
Concen: 0.33 ug/l  
RT: 2.85 min Scan# 372  
Delta R.T. -0.00 min  
Lab File: VX004235.D  
Acq: 23 Aug 2018 19:00

Tgt Ion: 84 Resp: 1277  
Ion Ratio Lower Upper  
84 100  
49 118.8 101.2 151.8  
51 58.5 29.5 44.3#  
86 93.7 52.3 78.5#





#25

2-Butanone

Concen: Below Cal

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX004235.D

Acq: 23 Aug 2018 19:00

Instrument :

MSVOA\_X

ClientSampled :

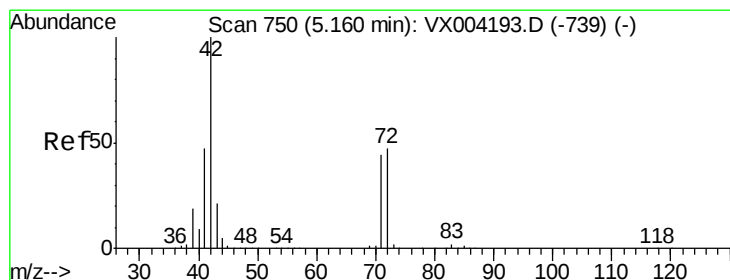
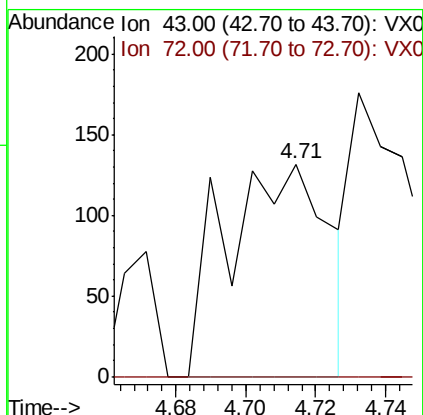
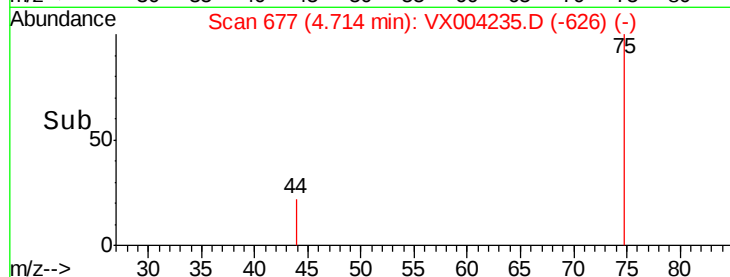
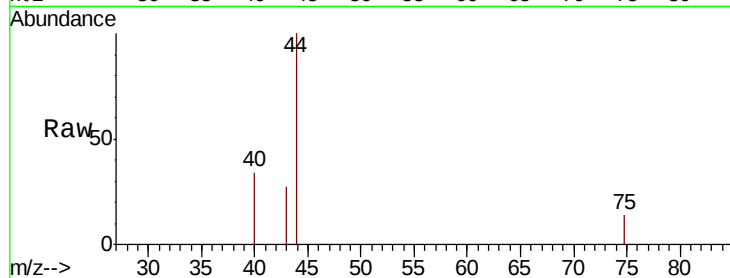
FL-0552DL

Tot Ion: 43 Resp: 270

Ion Ratio Lower Upper

43 100

72 0.0 22.0 33.0#



#29

Tetrahydrofuran

Concen: 0.51 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX004235.D

Acq: 23 Aug 2018 19:00

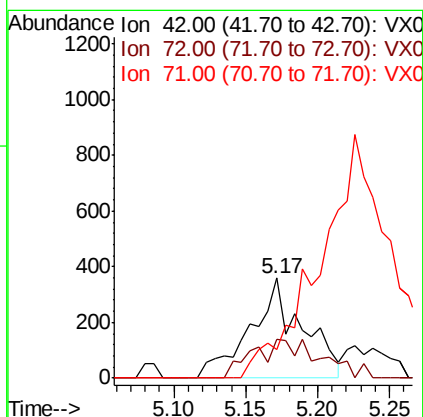
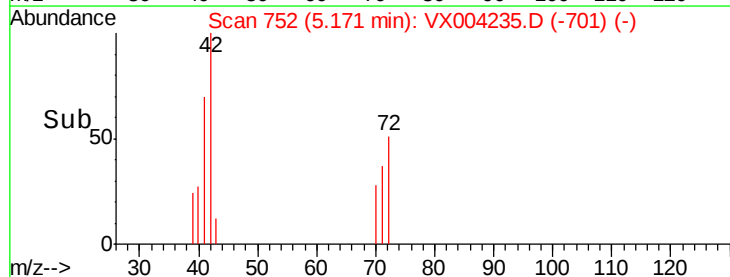
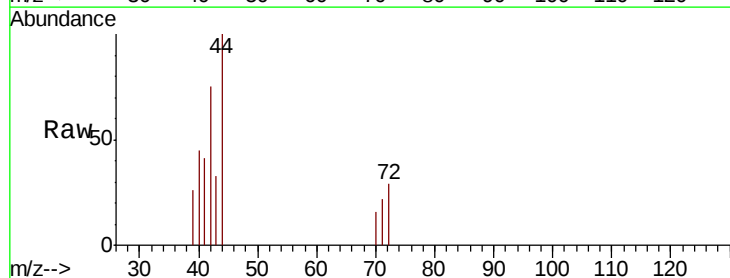
Tgt Ion: 42 Resp: 892

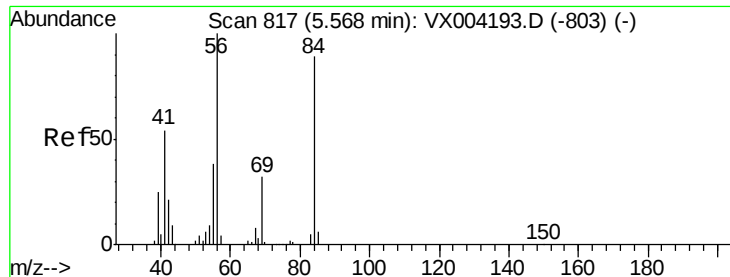
Ion Ratio Lower Upper

42 100

72 35.5 37.4 56.0#

71 0.0 34.5 51.7#

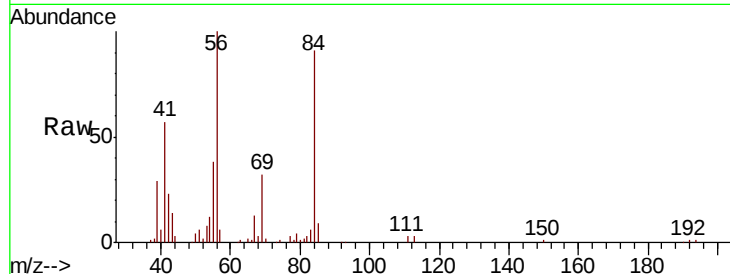




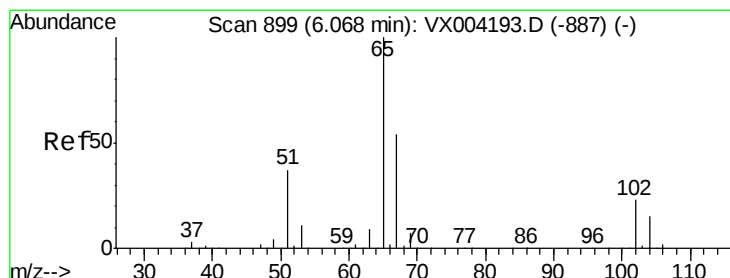
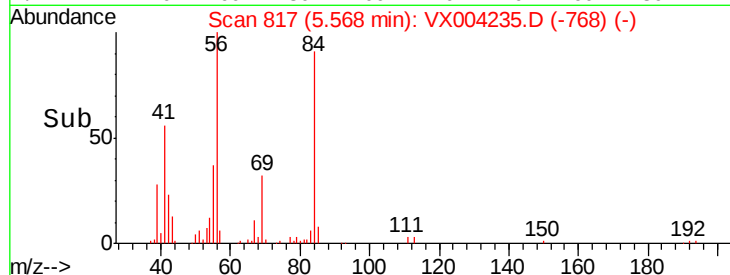
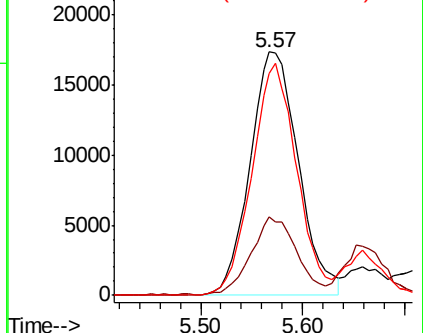
#31  
Cyclohexane  
Concen: 10.09 ug/l  
RT: 5.57 min Scan# 817  
Delta R.T. -0.00 min  
Lab File: VX004235.D  
Acq: 23 Aug 2018 19:00

Instrument :  
MSVOA\_X  
ClientSampleId :  
FL-0552DL

Tot Ion: 56 Resp: 57220  
Ion Ratio Lower Upper  
56 100  
69 31.8 25.4 38.2  
84 91.1 71.4 107.2

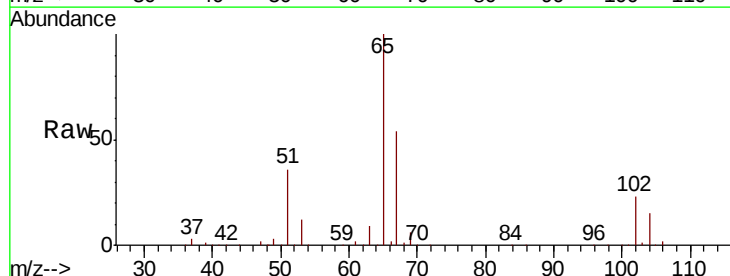


Abundance Ion 56.00 (55.70 to 56.70): VX0  
Ion 69.00 (68.70 to 69.70): VX0  
Ion 84.00 (83.70 to 84.70): VX0

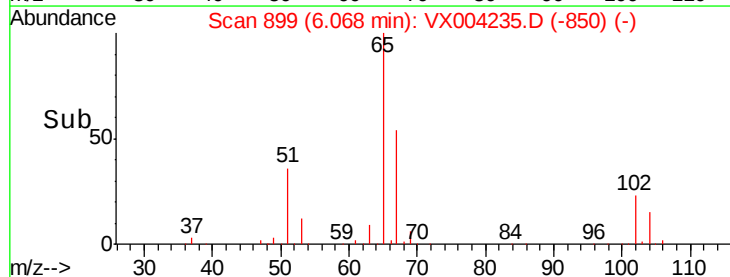
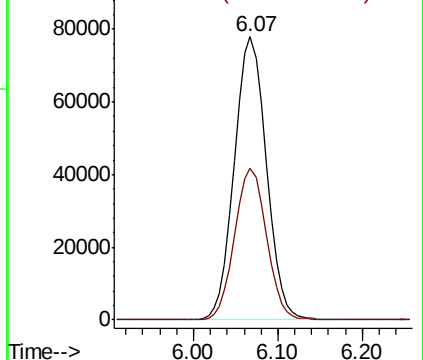


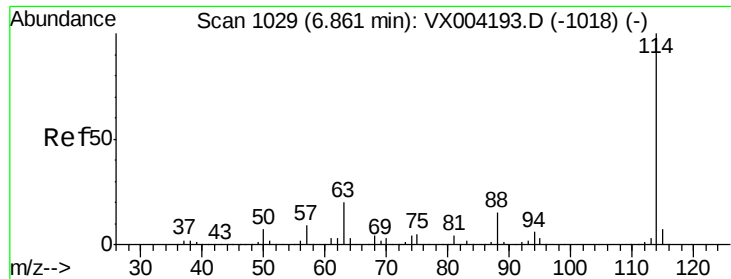
#33  
1,2-Dichloroethane-d4  
Concen: 49.62 ug/l  
RT: 6.07 min Scan# 899  
Delta R.T. -0.00 min  
Lab File: VX004235.D  
Acq: 23 Aug 2018 19:00

Tgt Ion: 65 Resp: 200752  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0  
Ion 66.90 (66.60 to 67.60): VX0

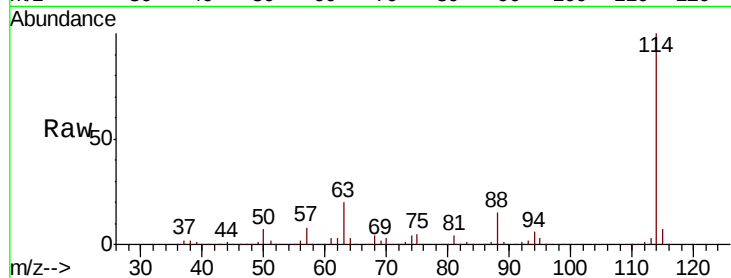




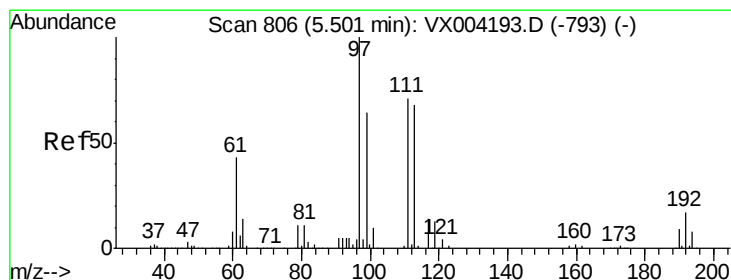
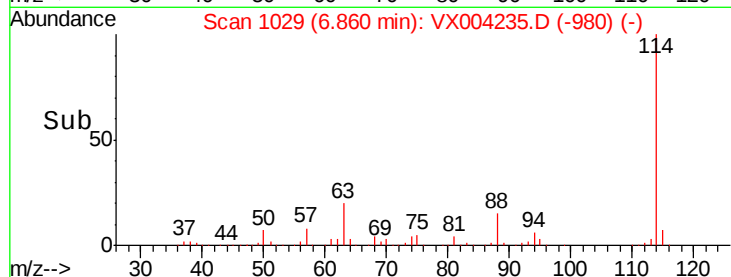
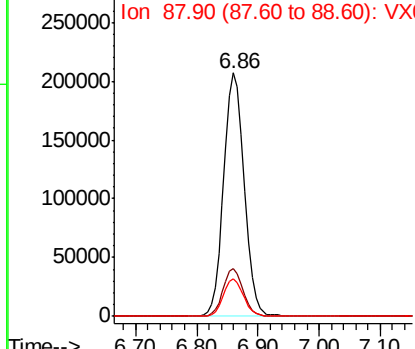
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.86 min Scan# 1029  
 Delta R.T. -0.00 min  
 Lab File: VX004235.D  
 Acq: 23 Aug 2018 19:00

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 FL-0552DL

Tot Ion:114 Resp: 479759  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 39.0  
 88 15.2 0.0 30.4

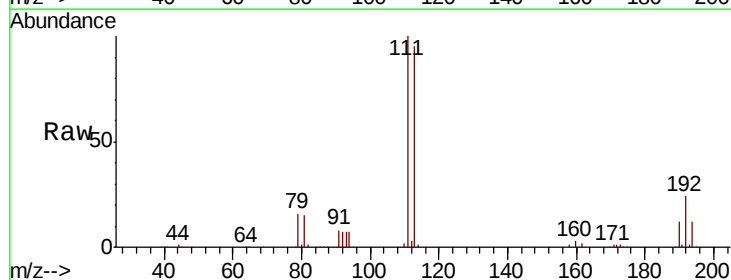


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX0  
 Ion 87.90 (87.60 to 88.60): VX0

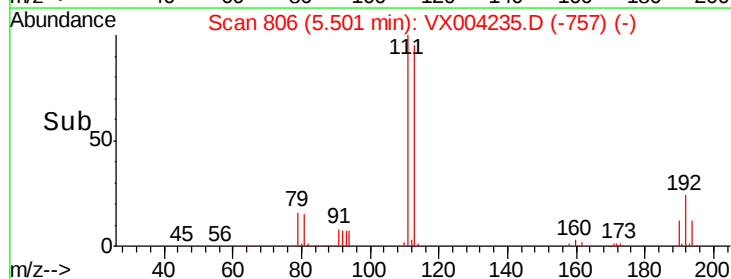
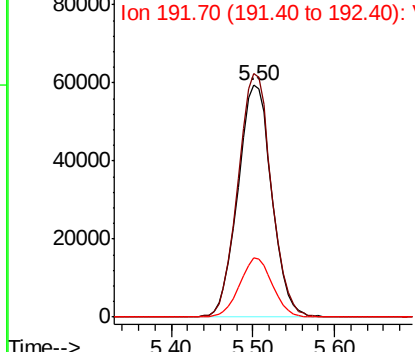


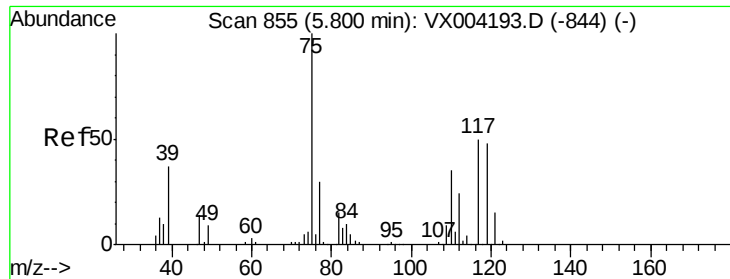
#35  
 Dibromofluoromethane  
 Concen: 48.04 ug/l  
 RT: 5.50 min Scan# 806  
 Delta R.T. -0.00 min  
 Lab File: VX004235.D  
 Acq: 23 Aug 2018 19:00

Tgt Ion:113 Resp: 171466  
 Ion Ratio Lower Upper  
 113 100  
 111 103.6 82.4 123.6  
 192 24.6 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.85 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.14 min

Lab File: VX004235.D

Acq: 23 Aug 2018 19:00

Instrument :

MSVOA\_X

ClientSampleId :

FL-0552DL

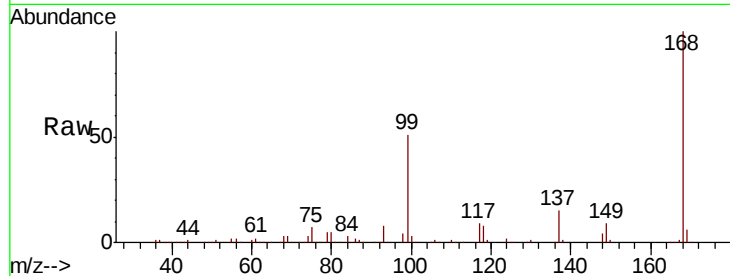
Tot Ion: 75 Resp: 20745

Ion Ratio Lower Upper

75 100

110 8.7 18.0 54.0#

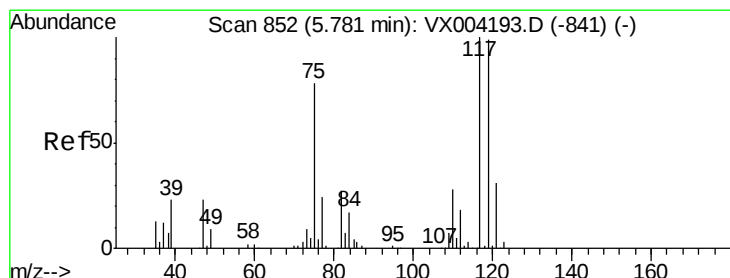
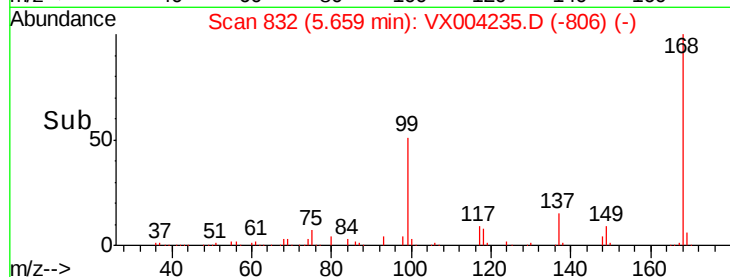
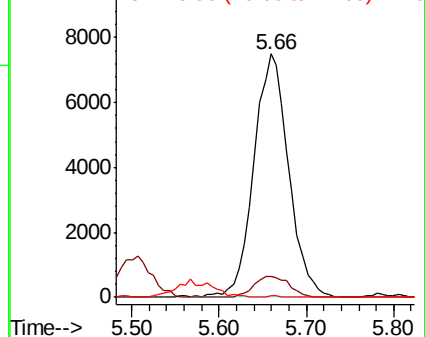
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.35 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.12 min

Lab File: VX004235.D

Acq: 23 Aug 2018 19:00

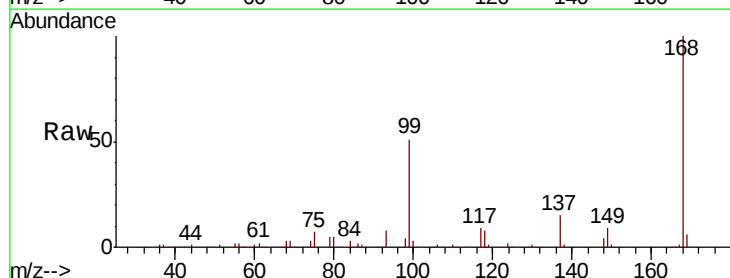
Tgt Ion: 117 Resp: 27122

Ion Ratio Lower Upper

117 100

119 5.5 78.8 118.2#

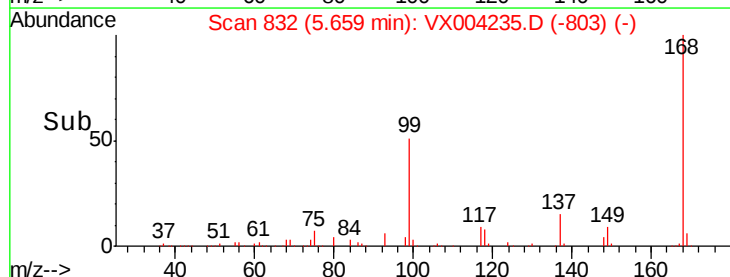
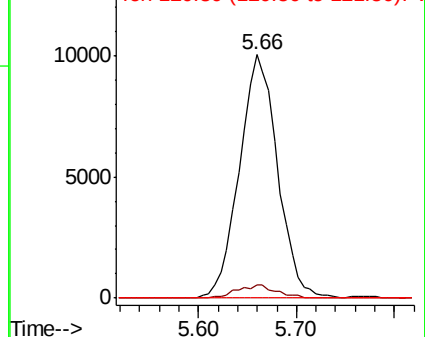
121 0.0 24.9 37.3#

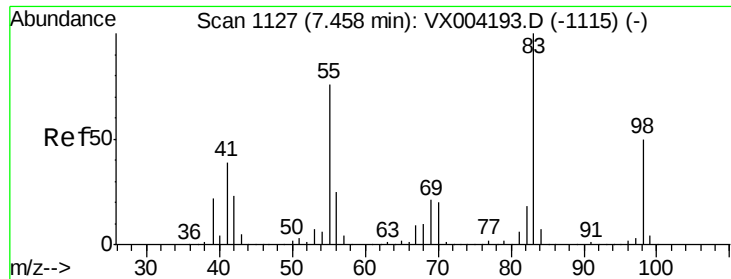


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

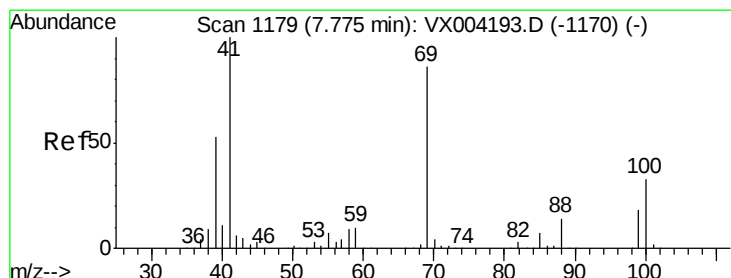
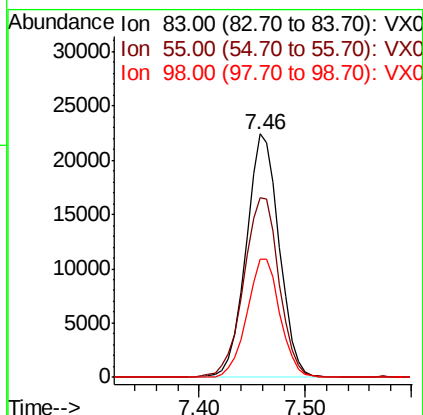
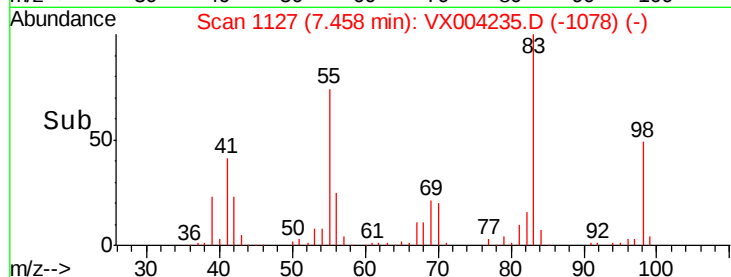
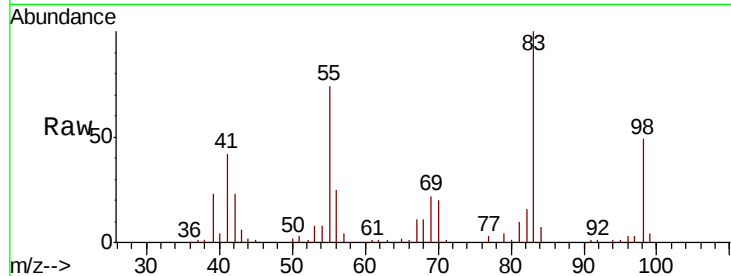




#39  
Methylvlcvclohexane  
Concen: 7.93 ug/l  
RT: 7.46 min Scan# 1127  
Delta R.T. -0.00 min  
Lab File: VX004235.D  
Acq: 23 Aug 2018 19:00

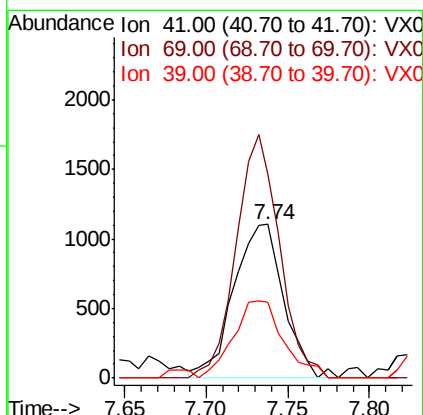
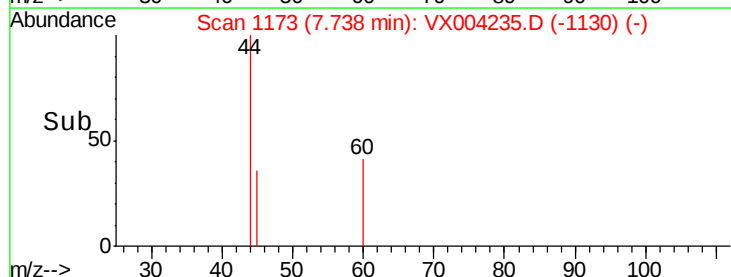
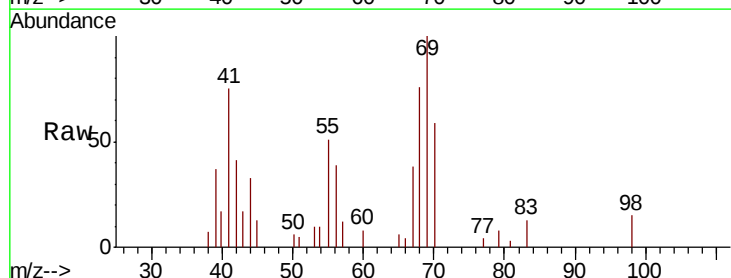
Instrument :  
MSVOA\_X  
ClientSampleId :  
FL-0552DL

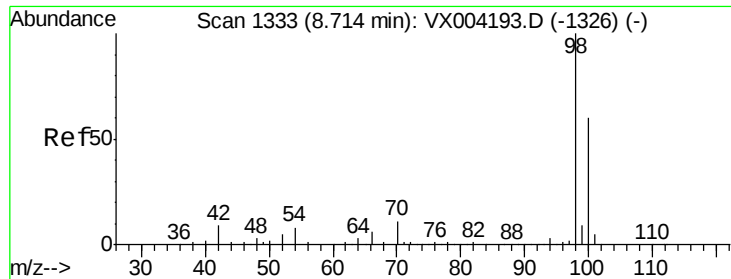
Tot Ion: 83 Resp: 48804  
Ion Ratio Lower Upper  
83 100  
55 73.7 61.0 91.4  
98 48.8 39.6 59.4



#48  
Methyl methacrylate  
Concen: 0.54 ug/l  
RT: 7.74 min Scan# 1173  
Delta R.T. -0.04 min  
Lab File: VX004235.D  
Acq: 23 Aug 2018 19:00

Tgt Ion: 41 Resp: 2368  
Ion Ratio Lower Upper  
41 100  
69 136.2 70.2 105.4#  
39 50.4 42.7 64.1





#50

Toluene-d8

Concen: 49.92 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VX004235.D

Acq: 23 Aug 2018 19:00

Instrument :

MSVOA\_X

ClientSampleId :

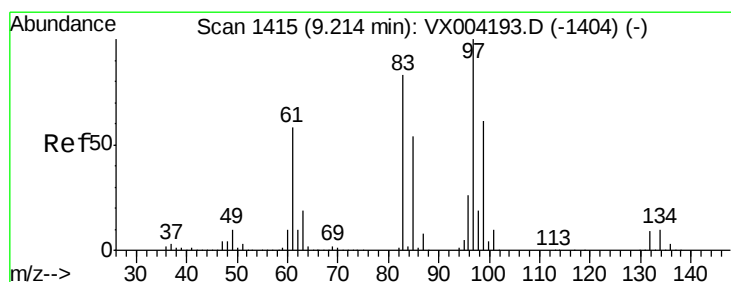
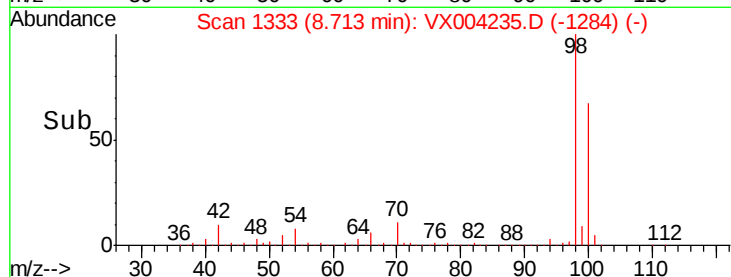
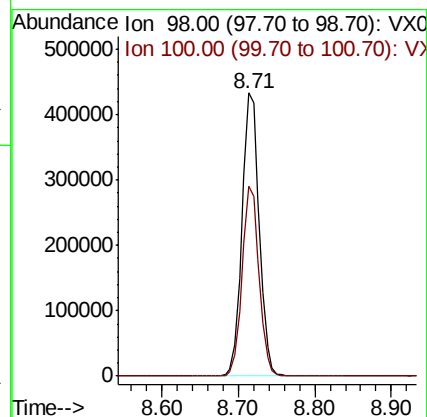
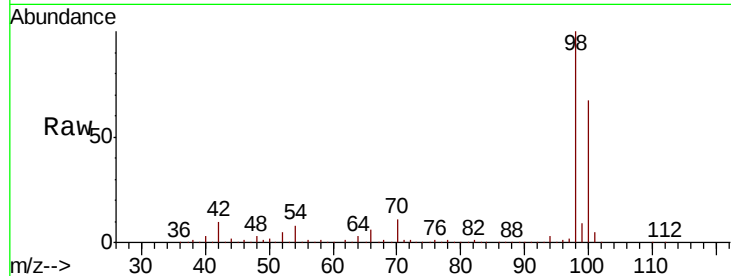
FL-0552DL

Tot Ion: 98 Resp: 672557

Ion Ratio Lower Upper

98 100

100 66.0 52.9 79.3



#55

1,1,2-Trichloroethane

Concen: 0.49 ug/l

RT: 9.16 min Scan# 1407

Delta R.T. -0.05 min

Lab File: VX004235.D

Acq: 23 Aug 2018 19:00

Tgt Ion: 97 Resp: 1995

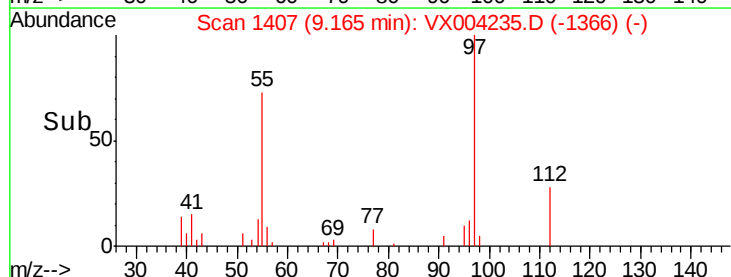
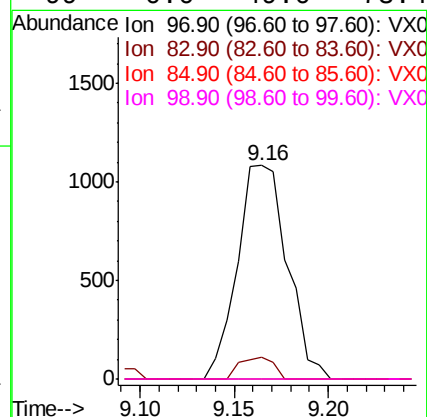
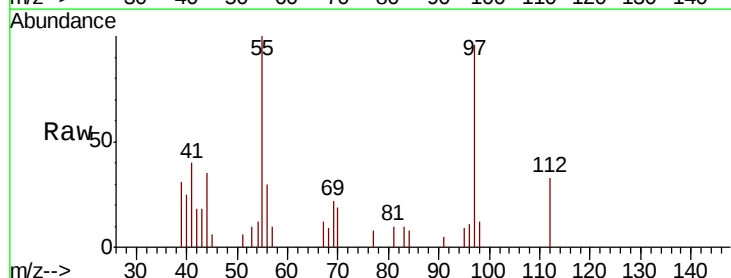
Ion Ratio Lower Upper

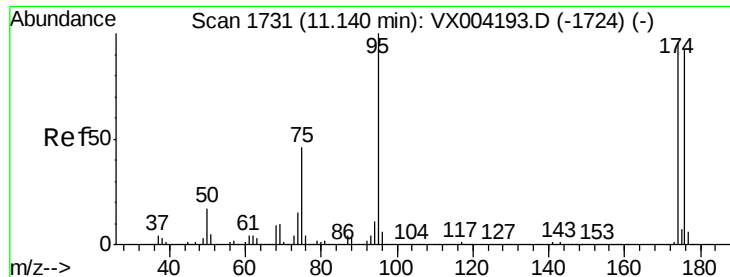
97 100

83 10.1 66.4 99.6#

85 0.0 43.3 64.9#

99 0.0 49.0 73.4#

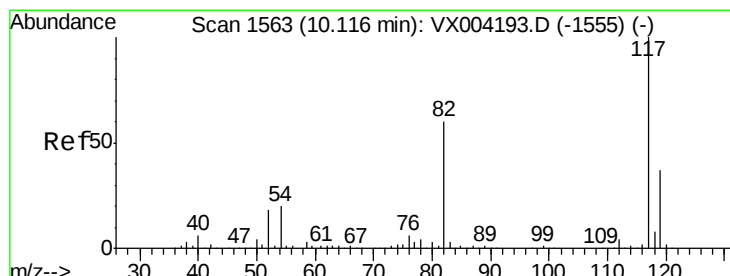
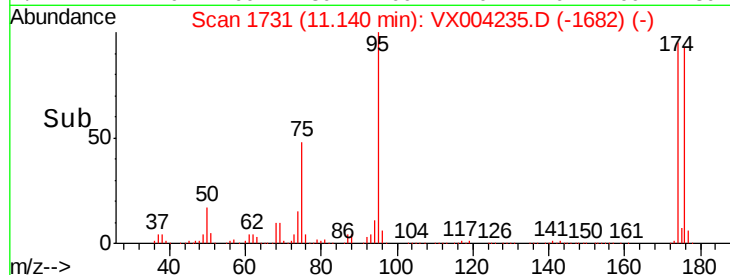
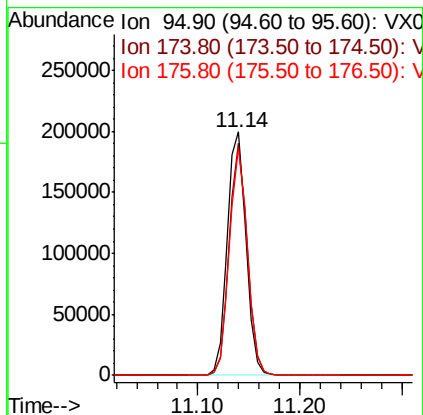
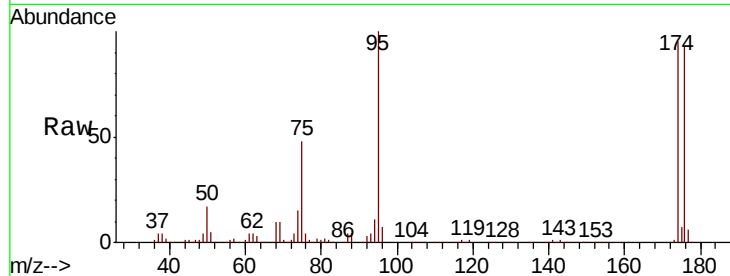




#62  
4-Bromofluorobenzene  
Concen: 50.32 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. -0.00 min  
Lab File: VX004235.D  
Acq: 23 Aug 2018 19:00

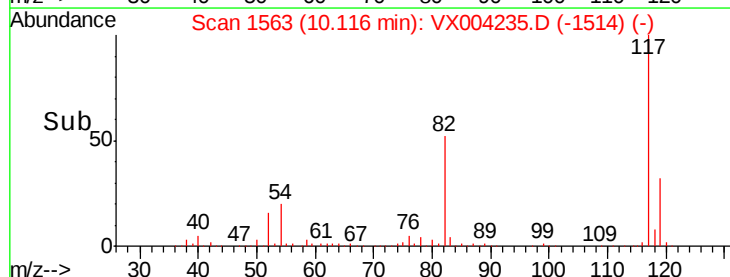
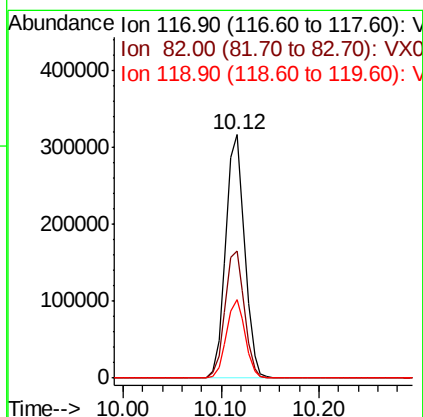
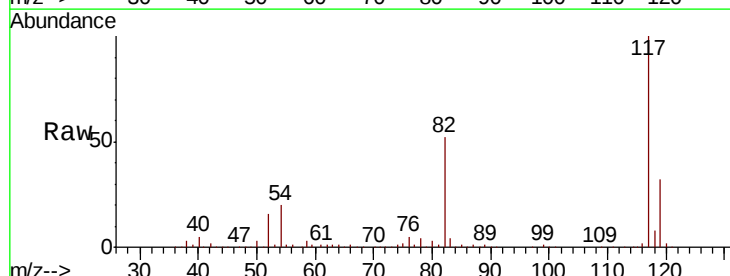
Instrument :  
MSVOA\_X  
ClientSampled :  
FL-0552DL

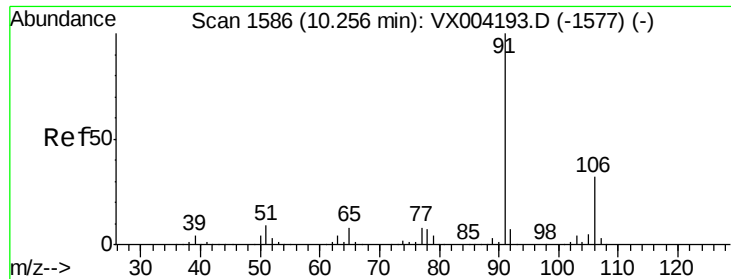
Tot Ion: 95 Resp: 252927  
Ion Ratio Lower Upper  
95 100  
174 91.6 0.0 185.2  
176 89.7 0.0 178.6



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX004235.D  
Acq: 23 Aug 2018 19:00

Tgt Ion: 117 Resp: 427807  
Ion Ratio Lower Upper  
117 100  
82 52.4 47.8 71.6  
119 32.2 29.3 43.9

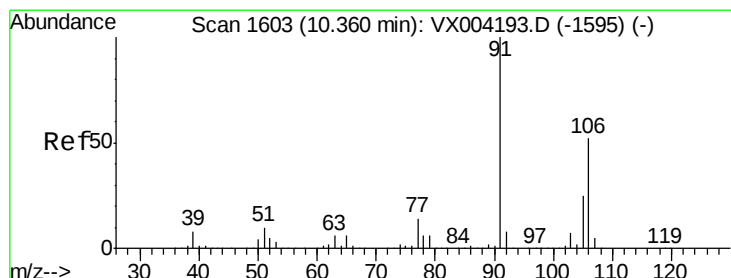
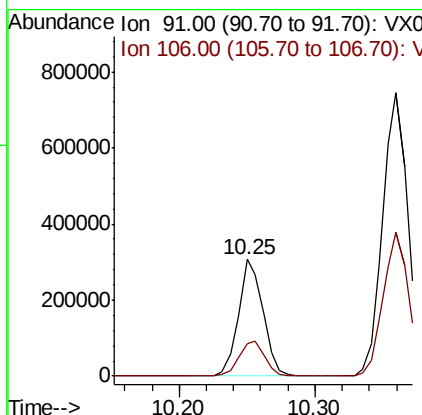
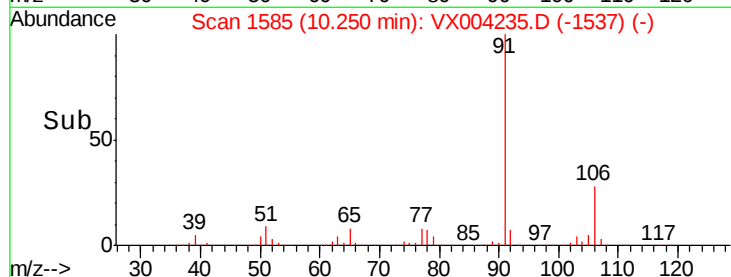
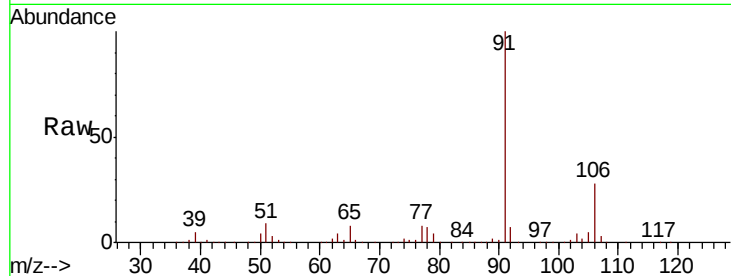




#67  
Ethyl Benzene  
Concen: 21.92 ug/l  
RT: 10.25 min Scan# 1585  
Delta R.T. -0.01 min  
Lab File: VX004235.D  
Acq: 23 Aug 2018 19:00

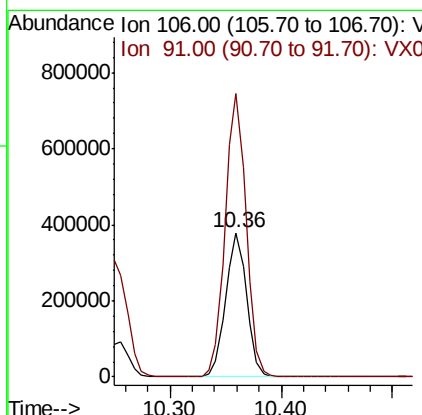
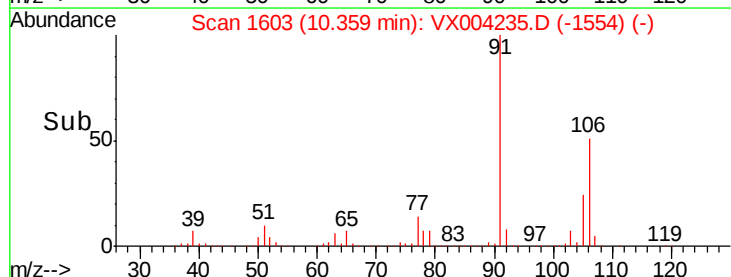
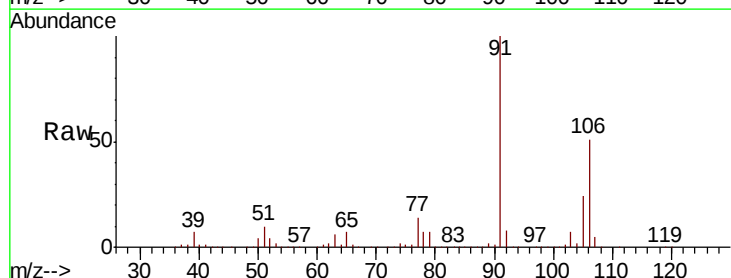
Instrument :  
MSVOA\_X  
ClientSampleId :  
FL-0552DL

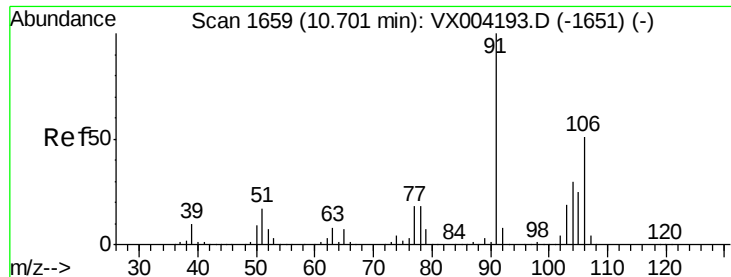
Tot Ion: 91 Resp: 382150  
Ion Ratio Lower Upper  
91 100  
106 28.4 25.9 38.9



#68  
m/p-Xylenes  
Concen: 72.15 ug/l  
RT: 10.36 min Scan# 1603  
Delta R.T. -0.00 min  
Lab File: VX004235.D  
Acq: 23 Aug 2018 19:00

Tgt Ion: 106 Resp: 491916  
Ion Ratio Lower Upper  
106 100  
91 196.6 157.1 235.7

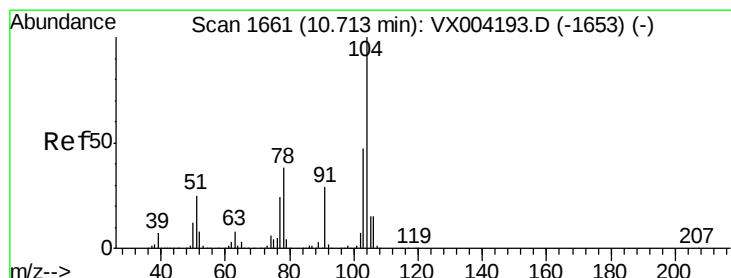
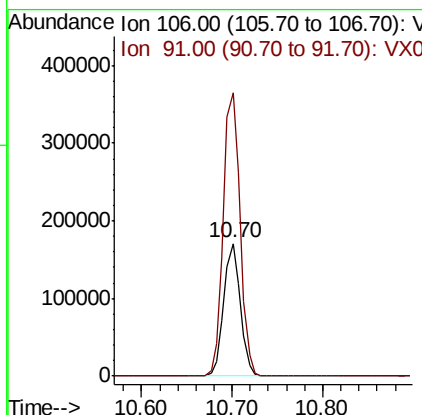
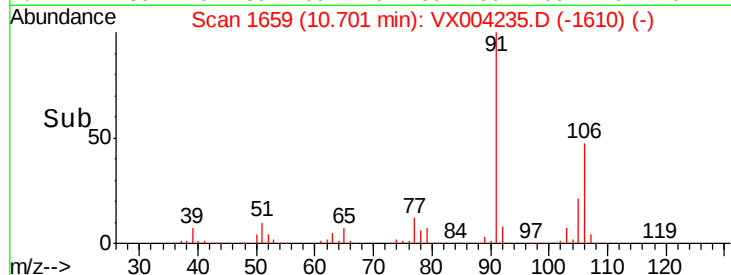
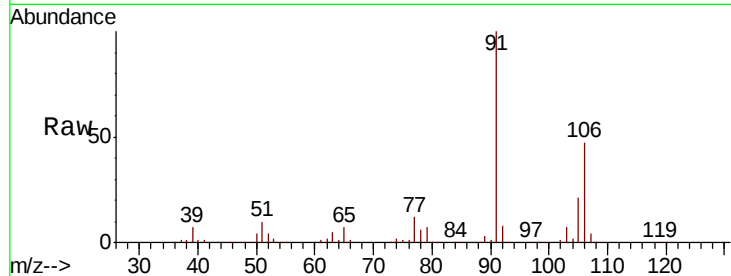




#69  
o-Xylene  
Concen: 33.84 ug/l  
RT: 10.70 min Scan# 1659  
Delta R.T. -0.00 min  
Lab File: VX004235.D  
Acq: 23 Aug 2018 19:00

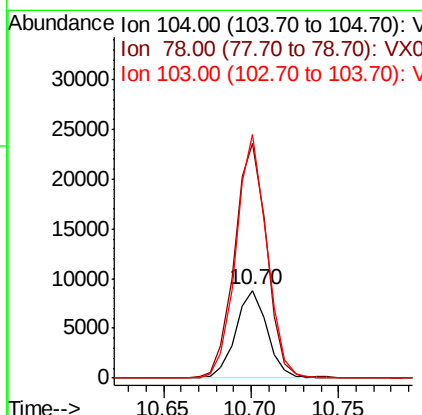
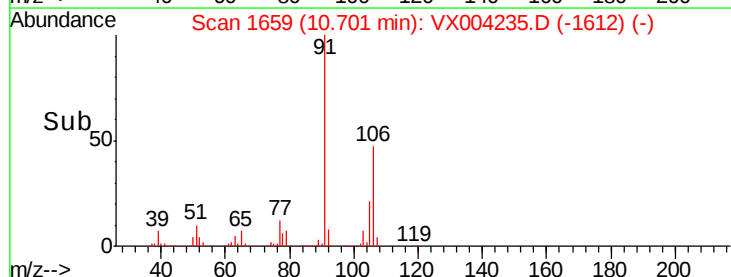
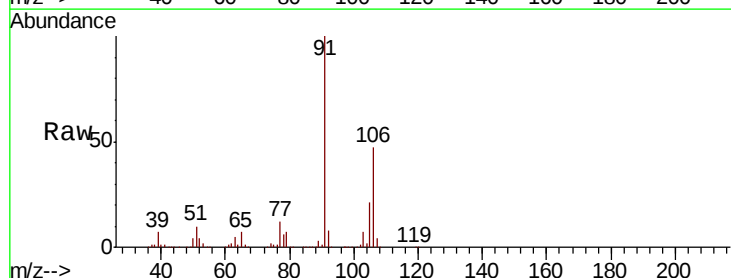
Instrument :  
MSVOA\_X  
ClientSampled :  
FL-0552DL

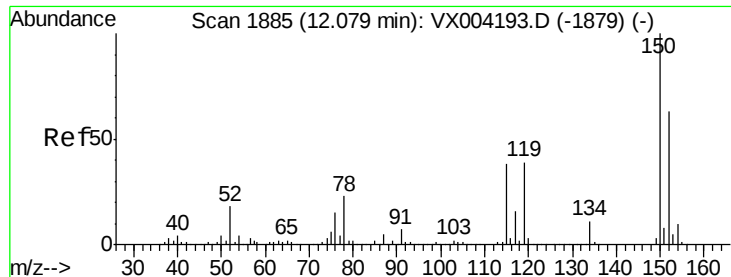
Tot Ion:106 Resp: 218237  
Ion Ratio Lower Upper  
106 100  
91 217.2 105.1 315.1



#70  
Styrene  
Concen: 1.06 ug/l  
RT: 10.70 min Scan# 1659  
Delta R.T. -0.01 min  
Lab File: VX004235.D  
Acq: 23 Aug 2018 19:00

Tgt Ion:104 Resp: 11044  
Ion Ratio Lower Upper  
104 100  
78 273.5 37.4 56.0#  
103 269.9 43.8 65.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004235.D

Acq: 23 Aug 2018 19:00

Instrument :

MSVOA\_X

ClientSampleId :

FL-0552DL

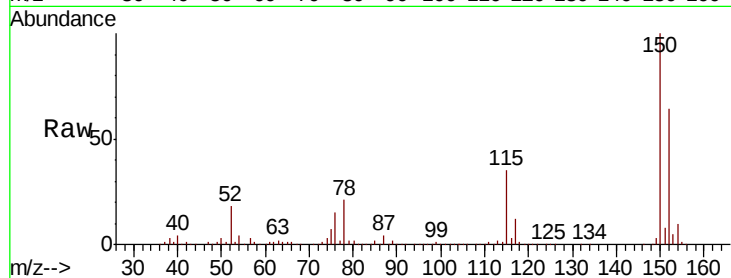
Tot Ion:152 Resp: 264607

Ion Ratio Lower Upper

152 100

115 54.7 39.0 117.0

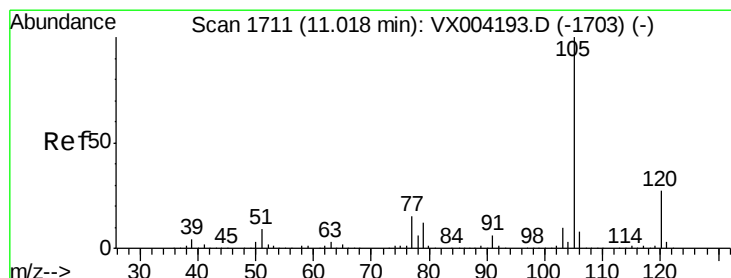
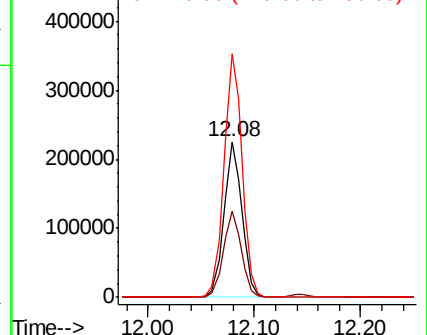
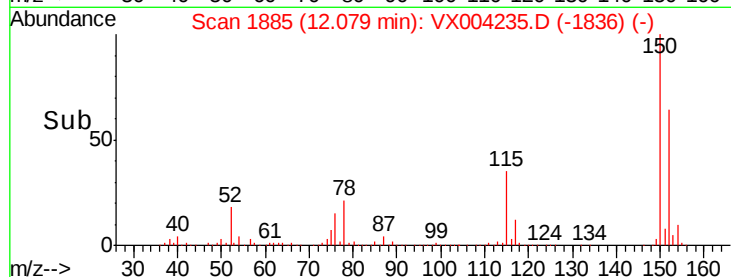
150 158.3 0.0 351.0



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: 1.67 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004235.D

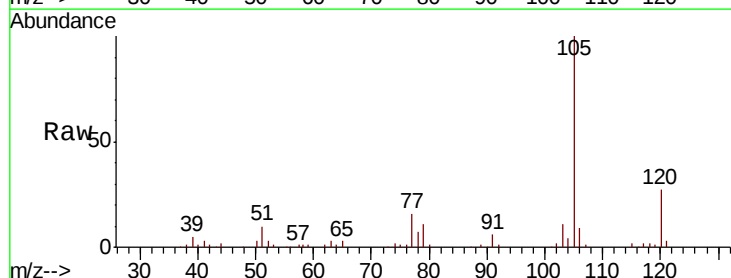
Acq: 23 Aug 2018 19:00

Tgt Ion:105 Resp: 29052

Ion Ratio Lower Upper

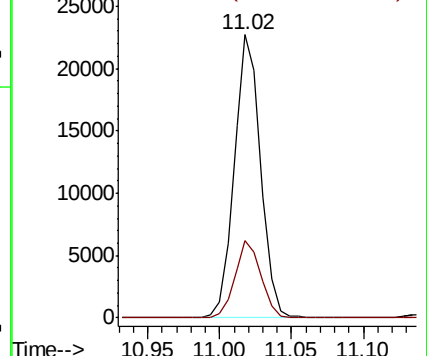
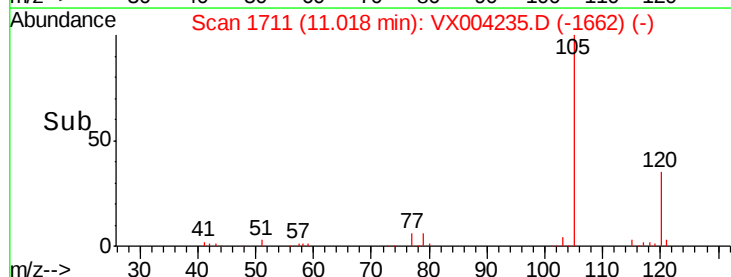
105 100

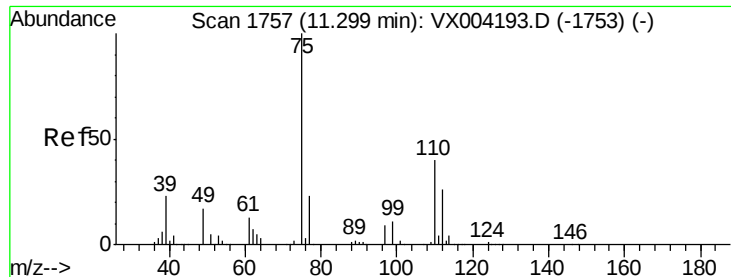
120 26.9 13.5 40.4



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: 22.53 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004235.D

Acq: 23 Aug 2018 19:00

Instrument :

MSVOA\_X

ClientSampleId :

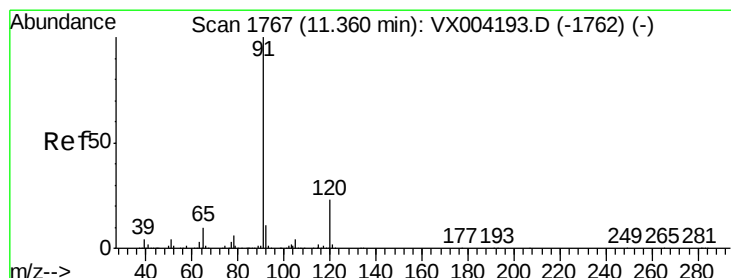
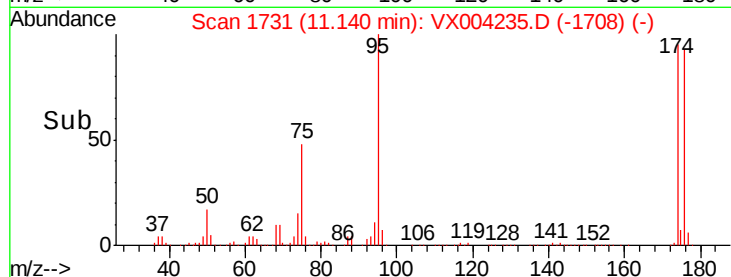
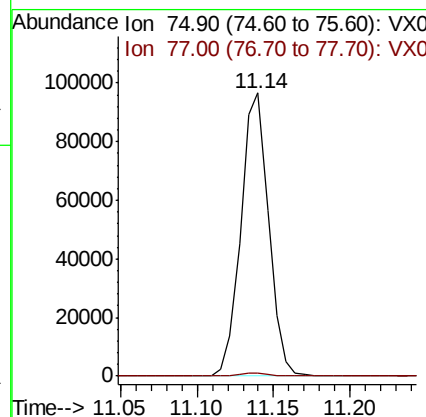
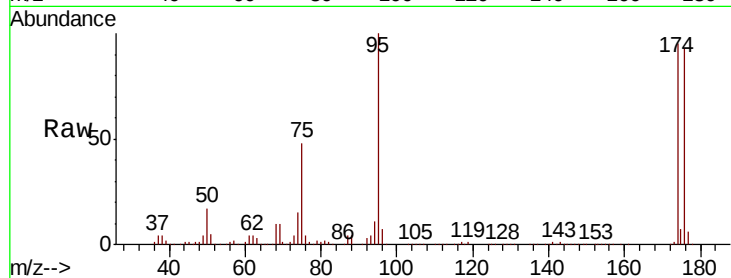
FL-0552DL

Tot Ion: 75 Resp: 121264

Ion Ratio Lower Upper

75 100

77 1.2 20.2 60.6#



#78

n-propylbenzene

Concen: 2.42 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004235.D

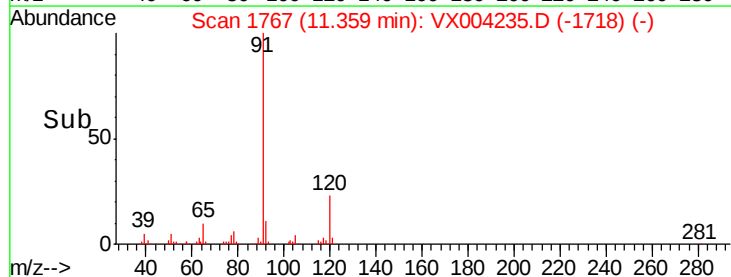
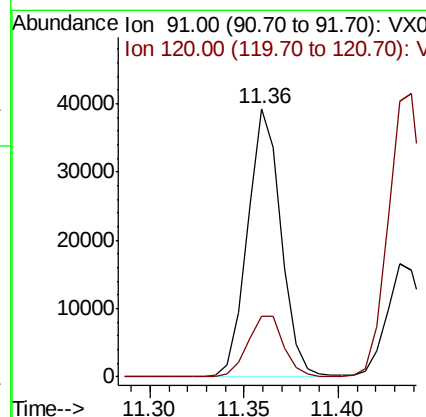
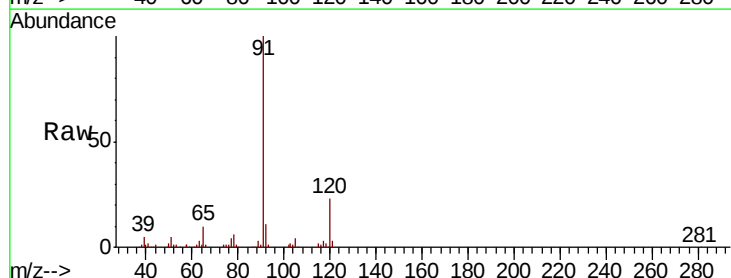
Acq: 23 Aug 2018 19:00

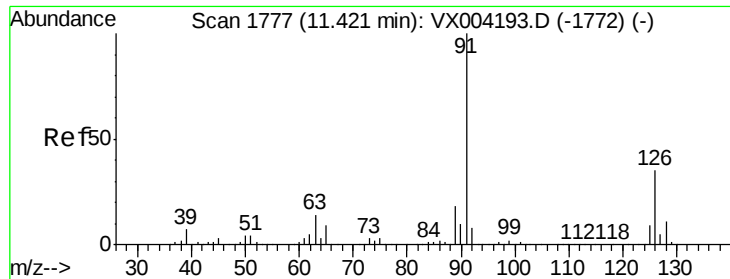
Tgt Ion: 91 Resp: 48440

Ion Ratio Lower Upper

91 100

120 24.1 11.9 35.9

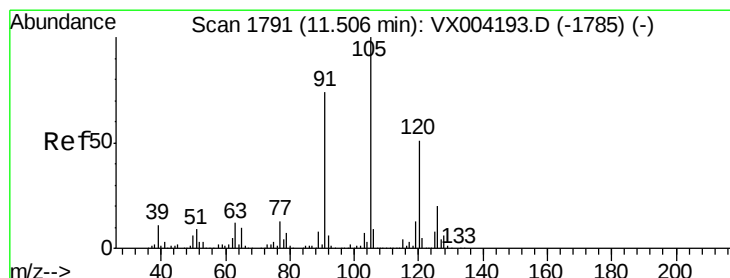
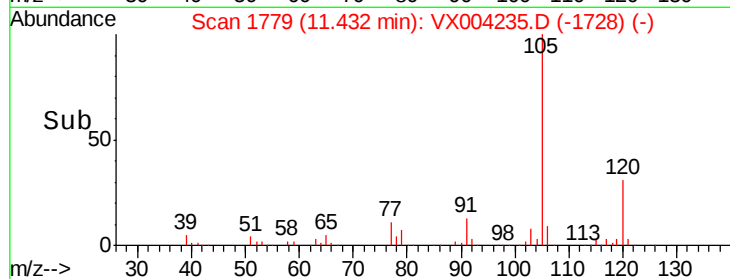
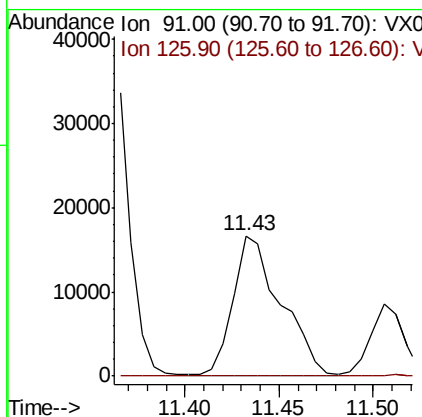
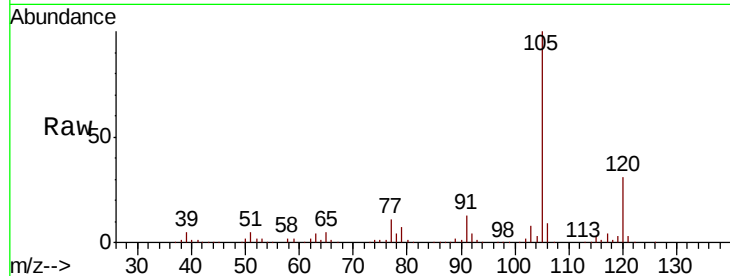




#79  
 2-Chlorotoluene  
 Concen: 2.39 ug/l  
 RT: 11.43 min Scan# 1779  
 Delta R.T. 0.01 min  
 Lab File: VX004235.D  
 Acq: 23 Aug 2018 19:00

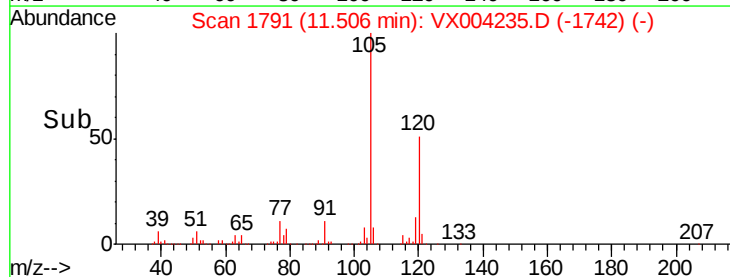
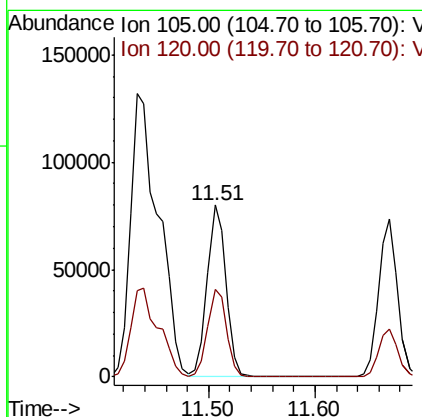
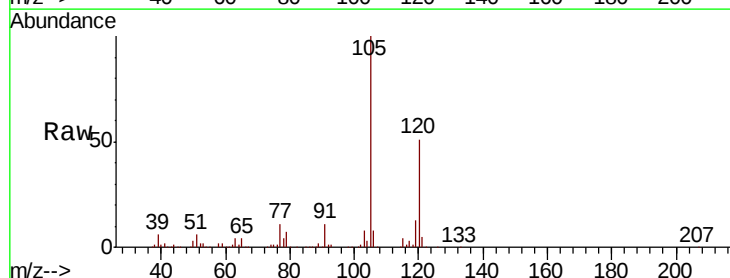
Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 FL-0552DL

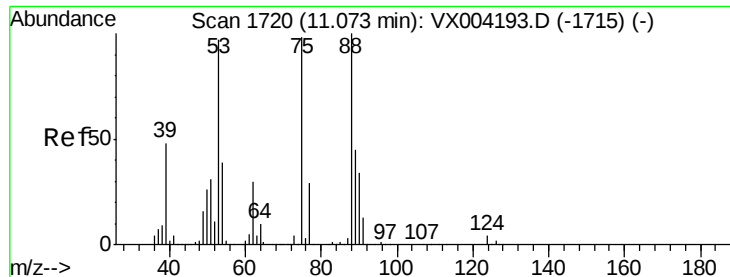
Tot Ion: 91 Resp: 29414  
 Ion Ratio Lower Upper  
 91 100  
 126 0.4 17.9 53.7#



#80  
 1,3,5-Trimethylbenzene  
 Concen: 6.65 ug/l  
 RT: 11.51 min Scan# 1791  
 Delta R.T. -0.00 min  
 Lab File: VX004235.D  
 Acq: 23 Aug 2018 19:00

Tgt Ion: 105 Resp: 95743  
 Ion Ratio Lower Upper  
 105 100  
 120 51.3 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 73.11 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.07 min

Lab File: VX004235.D

Acq: 23 Aug 2018 19:00

Instrument :

MSVOA\_X

ClientSampleId :

FL-0552DL

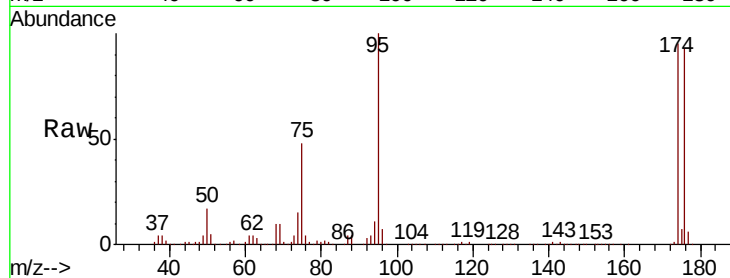
Tot Ion: 75 Resp: 121264

Ion Ratio Lower Upper

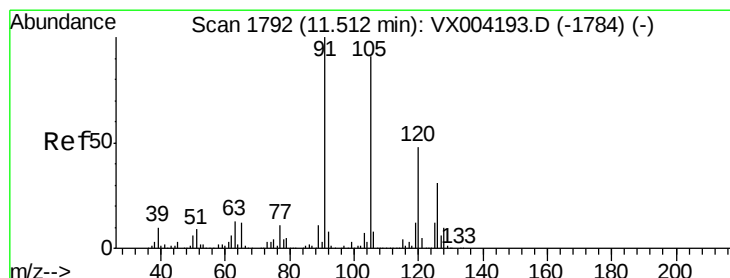
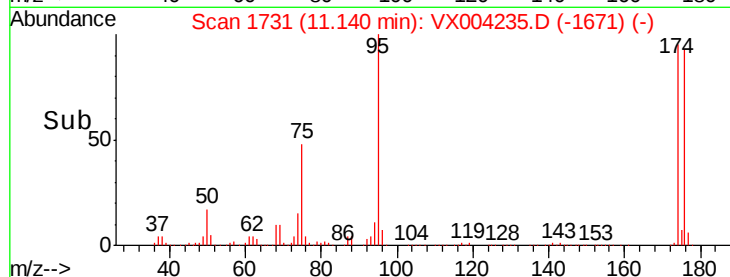
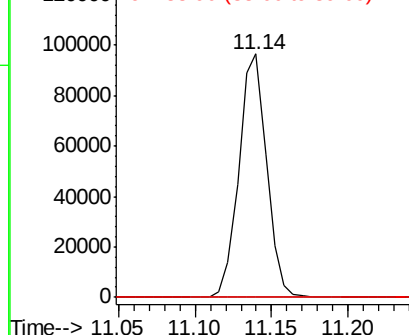
75 100

53 0.1 80.1 120.1#

89 0.0 37.2 55.8#



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: 0.72 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX004235.D

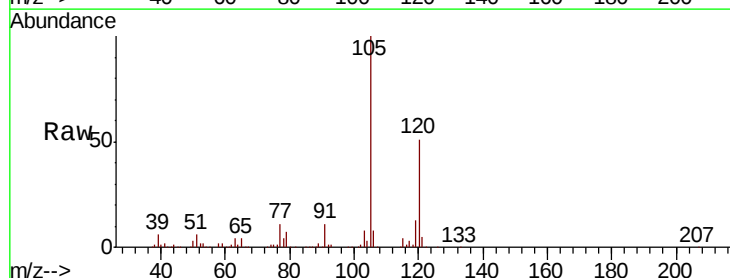
Acq: 23 Aug 2018 19:00

Tgt Ion: 91 Resp: 10484

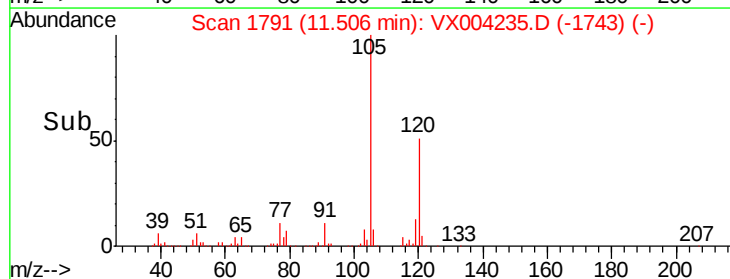
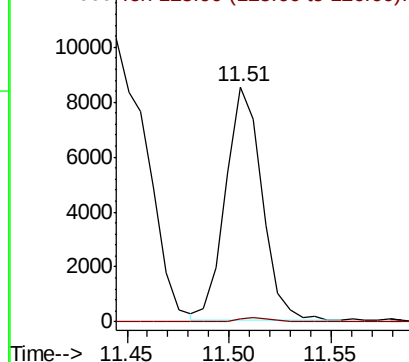
Ion Ratio Lower Upper

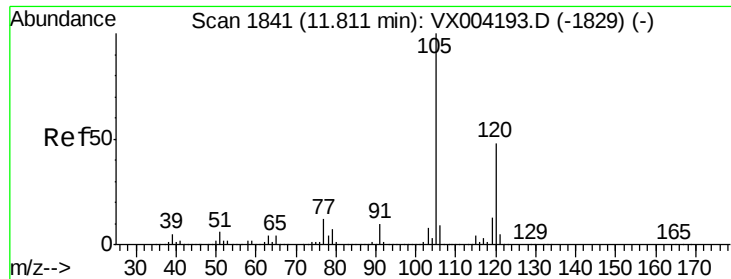
91 100

126 1.7 15.5 46.5#



Abundance Ion 91.00 (90.70 to 91.70): VX0  
Ion 125.90 (125.60 to 126.60): V

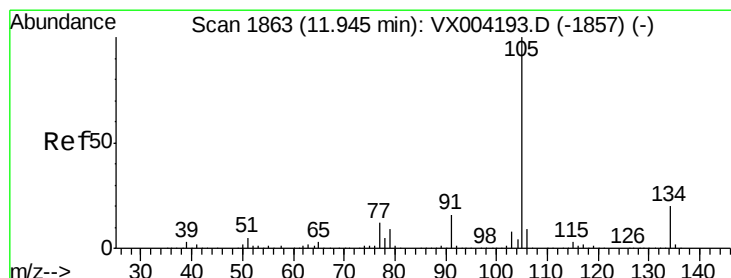
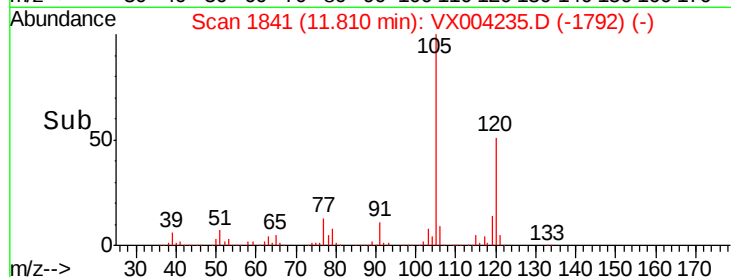
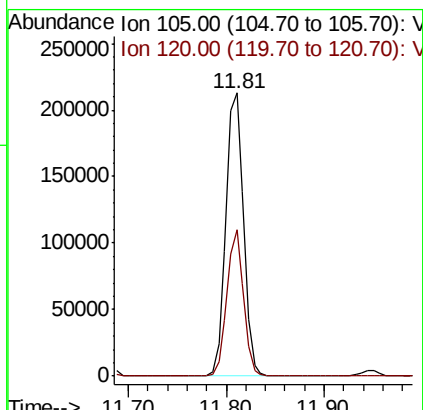
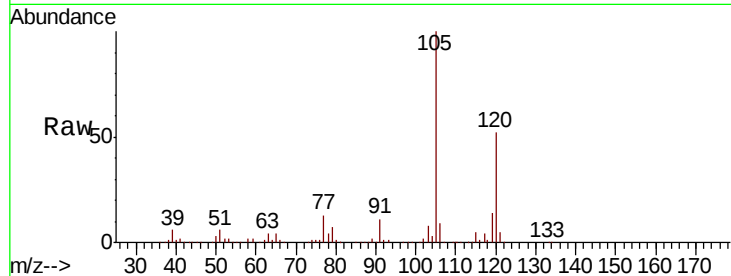




#84  
 1,2,4-Trimethylbenzene  
 Concen: 18.07 ug/l  
 RT: 11.81 min Scan# 1841  
 Delta R.T. -0.00 min  
 Lab File: VX004235.D  
 Acq: 23 Aug 2018 19:00

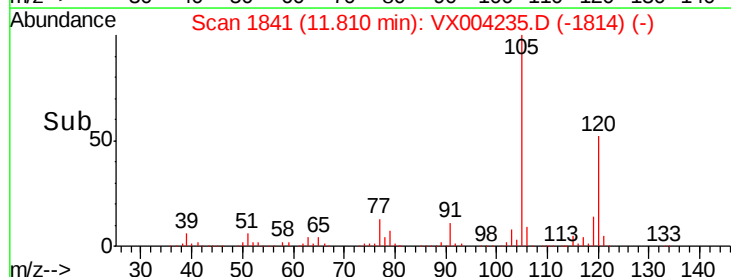
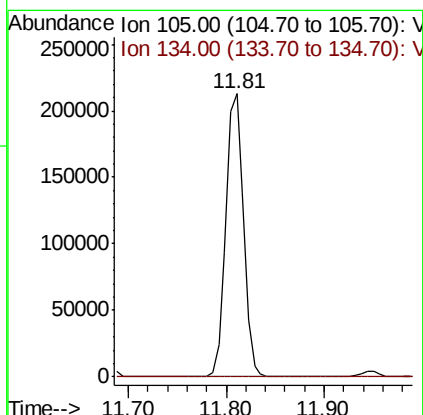
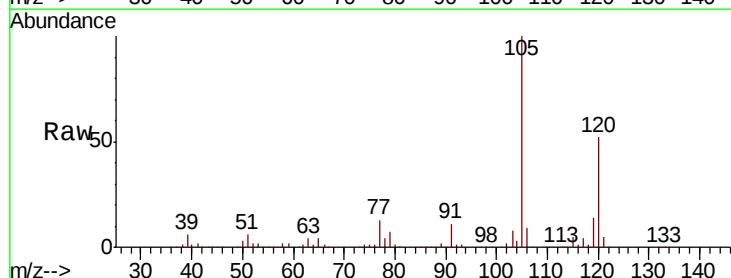
Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 FL-0552DL

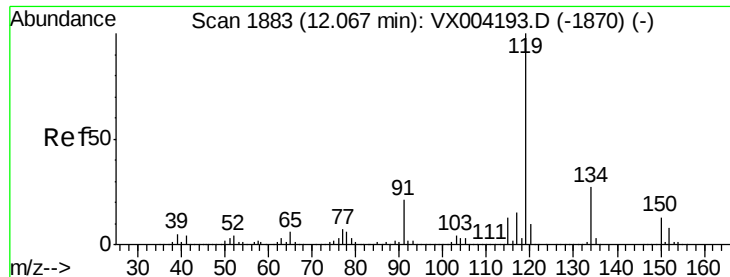
Tot Ion:105 Resp: 266918  
 Ion Ratio Lower Upper  
 105 100  
 120 48.7 23.2 69.6



#85  
 sec-Butylbenzene  
 Concen: 15.53 ug/l  
 RT: 11.81 min Scan# 1841  
 Delta R.T. -0.13 min  
 Lab File: VX004235.D  
 Acq: 23 Aug 2018 19:00

Tgt Ion:105 Resp: 266918  
 Ion Ratio Lower Upper  
 105 100  
 134 0.1 10.5 31.5#

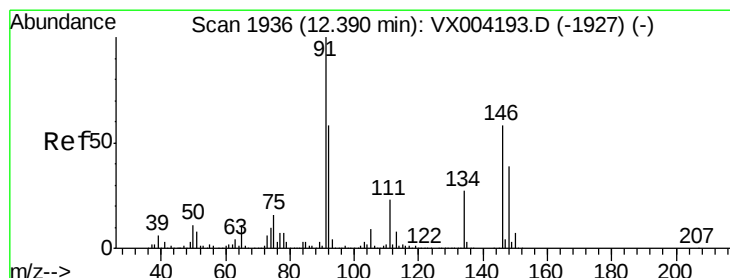
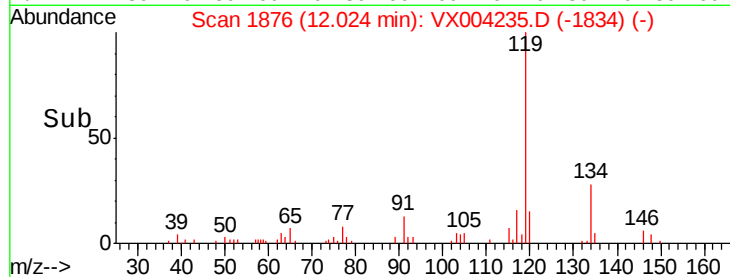
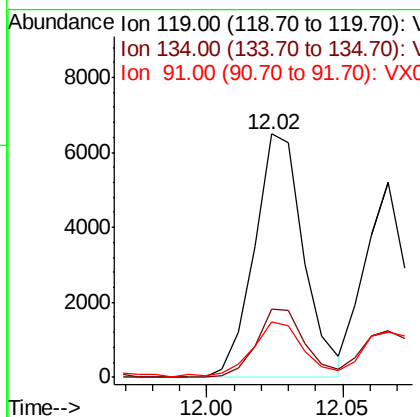
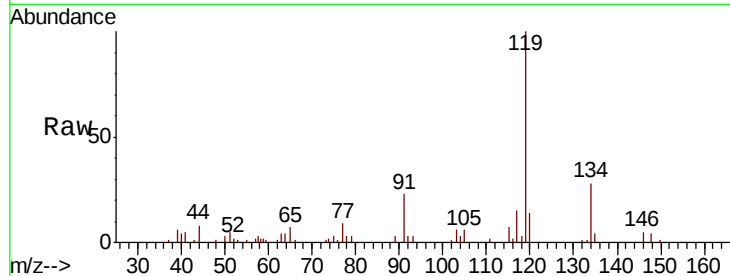




#86  
 p-Isopropyltoluene  
 Concen: 0.53 ug/l  
 RT: 12.02 min Scan# 1876  
 Delta R.T. -0.04 min  
 Lab File: VX004235.D  
 Acq: 23 Aug 2018 19:00

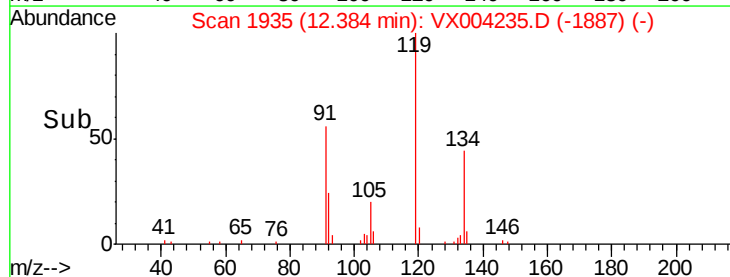
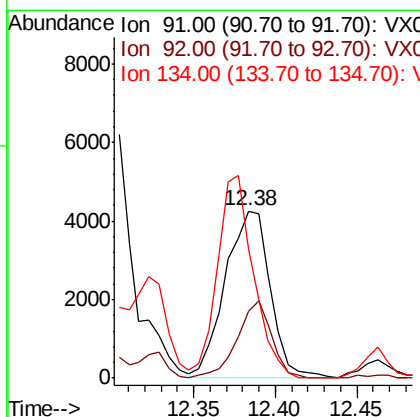
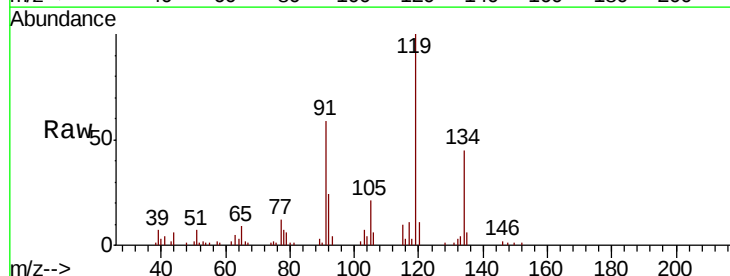
Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 FL-0552DL

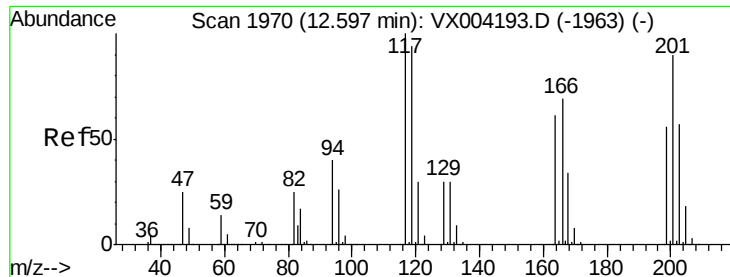
Tot Ion:119 Resp: 8181  
 Ion Ratio Lower Upper  
 119 100  
 134 27.8 13.4 40.2  
 91 24.2 10.9 32.7



#89  
 n-Butylbenzene  
 Concen: 0.65 ug/l  
 RT: 12.38 min Scan# 1935  
 Delta R.T. -0.01 min  
 Lab File: VX004235.D  
 Acq: 23 Aug 2018 19:00

Tgt Ion: 91 Resp: 8201  
 Ion Ratio Lower Upper  
 91 100  
 92 35.1 27.3 81.9  
 134 97.0 13.6 40.7#





#90

Hexachloroethane

Concen: 0.66 ug/l

RT: 12.59 min Scan# 1969

Delta R.T. -0.01 min

Lab File: VX004235.D

Acq: 23 Aug 2018 19:00

Instrument :

MSVOA\_X

ClientSampleId :

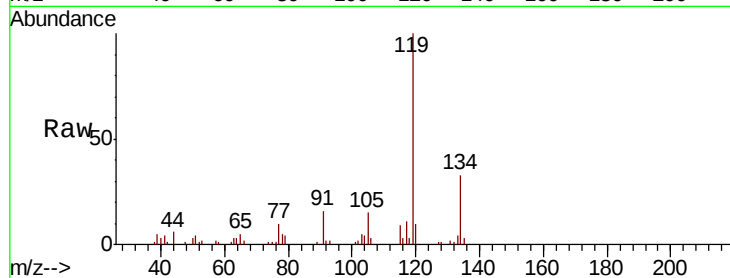
FL-0552DL

Tot Ion:117 Resp: 1411

Ion Ratio Lower Upper

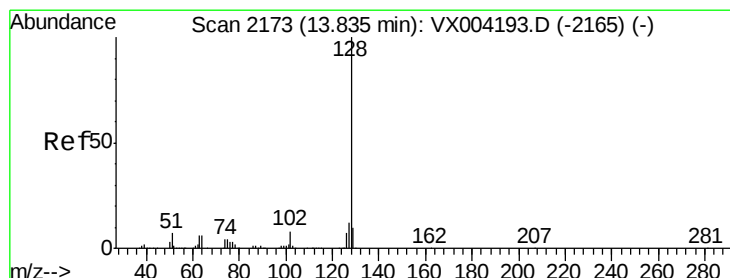
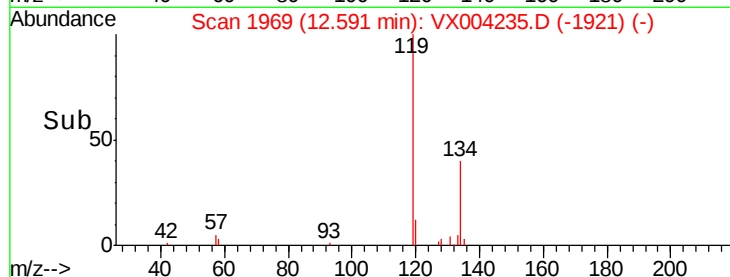
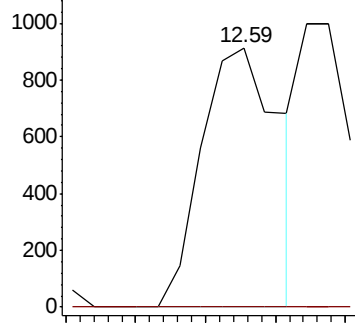
117 100

201 0.0 46.9 140.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 10.64 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004235.D

Acq: 23 Aug 2018 19:00

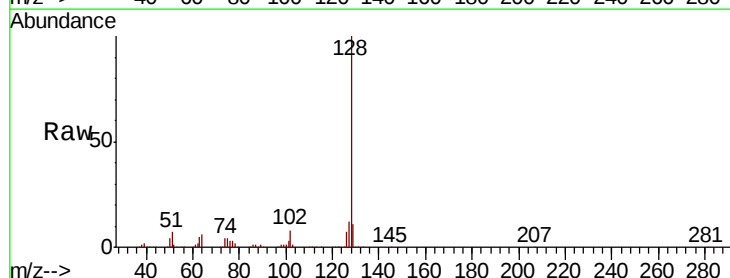
Tgt Ion:128 Resp: 183641

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.2

129 10.9 8.6 12.8



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

