

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\  
 Data File : VX010495.D  
 Acq On : 27 Jun 2019 17:40  
 Operator : JC/SP  
 Sample : K3565-13  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FL-0577

Quant Time: Jun 28 06:49:38 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 20 03:31:56 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 262940   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 402046   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 375744   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 185192   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.06   | 65  | 122475   | 49.68 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.36%  |      |
| 35) Dibromofluoromethane  | 5.50   | 113 | 122672   | 49.87 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.74%  |      |
| 50) Toluene-d8            | 8.71   | 98  | 480392   | 51.05 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.10% |      |
| 62) 4-Bromofluorobenzene  | 11.13  | 95  | 167559   | 49.32 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.64%  |      |

## Target Compounds

|                                |       |     |         |         | Qvalue    |
|--------------------------------|-------|-----|---------|---------|-----------|
| 3) Chloromethane               | 1.33  | 50  | 961     | 0.451   | ug/l 100  |
| 5) Bromomethane                | 1.65  | 94  | 454     | 0.400   | ug/l # 64 |
| 6) Chloroethane                | 1.69  | 64  | 393     | 0.286   | ug/l # 42 |
| 11) Tert butyl alcohol         | 3.07  | 59  | 175     | 0.271   | ug/l # 74 |
| 13) Acrolein                   | 2.30  | 56  | 231     | 0.540   | ug/l # 14 |
| 14) Allyl chloride             | 2.84  | 41  | 5520    | 1.706   | ug/l # 65 |
| 15) Acrylonitrile              | 3.18  | 53  | 1378    | 1.079   | ug/l # 42 |
| 16) Acetone                    | 2.44  | 43  | 3467    | 2.806   | ug/l 97   |
| 18) Methyl Acetate             | 2.85  | 43  | 14819   | 6.018   | ug/l # 48 |
| 25) 2-Butanone                 | 4.70  | 43  | 1462    | 0.807   | ug/l # 87 |
| 31) Cyclohexane                | 5.59  | 56  | 68046   | 19.109  | ug/l 98   |
| 36) 1,1-Dichloropropene        | 5.66  | 75  | 16119   | 5.045   | ug/l # 47 |
| 38) Carbon Tetrachloride       | 5.67  | 117 | 23084   | 6.672   | ug/l # 16 |
| 39) Methylcyclohexane          | 7.46  | 83  | 113988  | 27.143  | ug/l 97   |
| 40) Benzene                    | 6.15  | 78  | 4332    | 0.435   | ug/l 97   |
| 43) Isopropyl Acetate          | 6.46  | 43  | 1406    | 0.259   | ug/l # 67 |
| 48) Methyl methacrylate        | 7.74  | 41  | 4994    | 1.976   | ug/l # 53 |
| 49) 1,4-Dioxane                | 7.69  | 88  | 25      | 0.343   | ug/l # 1  |
| 51) 4-Methyl-2-Pentanone       | 8.67  | 43  | 5407    | 1.555   | ug/l # 34 |
| 52) Toluene                    | 8.78  | 92  | 1497    | 0.228   | ug/l 91   |
| 55) 1,1,2-Trichloroethane      | 9.16  | 97  | 17987   | 6.654   | ug/l # 19 |
| 56) Ethyl methacrylate         | 9.16  | 69  | 3758    | 0.918   | ug/l # 1  |
| 59) 2-Hexanone                 | 9.45  | 43  | 6110    | 2.232   | ug/l # 29 |
| 67) Ethyl Benzene              | 10.25 | 91  | 998771  | 77.555  | ug/l 100  |
| 68) m/p-Xylenes                | 10.36 | 106 | 1073109 | 215.051 | ug/l 99   |
| 69) o-Xylene                   | 10.69 | 106 | 7321    | 1.492   | ug/l 90   |
| 73) Isopropylbenzene           | 11.02 | 105 | 202286  | 16.114  | ug/l 100  |
| 74) N-amyl acetate             | 10.91 | 43  | 2158    | 0.455   | ug/l # 1  |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83  | 3043    | 0.732   | ug/l # 45 |
| 76) 1,2,3-Trichloropropane     | 11.43 | 75  | 14897   | 4.414   | ug/l # 1  |
| 78) n-propylbenzene            | 11.36 | 91  | 286180  | 20.742  | ug/l 99   |
| 79) 2-Chlorotoluene            | 11.43 | 91  | 224329  | 27.305  | ug/l # 38 |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105 | 875445  | 84.592  | ug/l 99   |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75  | 80761   | 55.830  | ug/l # 16 |

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Operator : JC/SP  
Sample : K3565-13  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 21 Sample Multiplier: 1

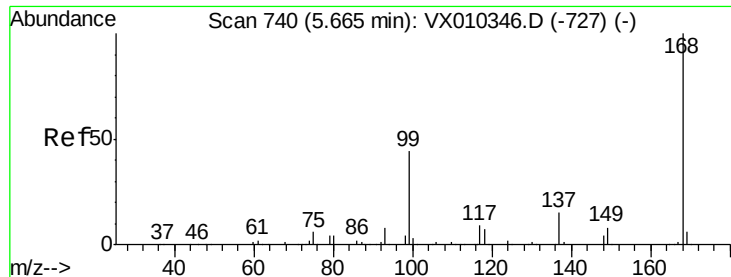
Instrument :  
MSVOA\_X  
ClientSampleId :  
FL-0577

Quant Time: Jun 28 06:49:38 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 20 03:31:56 2019  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 82) 4-Chlorotoluene            | 11.51 | 91   | 90829    | 9.716   | ug/l # | 42       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 9866     | 0.950   | ug/l   | 87       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 1595290  | 153.429 | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.80 | 105  | 1595290  | 130.805 | ug/l # | 55       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 61936    | 5.490   | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.37 | 91   | 38408    | 4.007   | ug/l # | 1        |
| 90) Hexachloroethane           | 12.58 | 117  | 15052    | 7.717   | ug/l # | 5        |
| 92) 1,2-Dibromo-3-Chloropropan | 13.02 | 75   | 1382     | 1.542   | ug/l # | 1        |
| 95) Naphthalene                | 13.83 | 128  | 596153   | 45.999  | ug/l   | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

Instrument :

MSVOA\_X

ClientSampled :

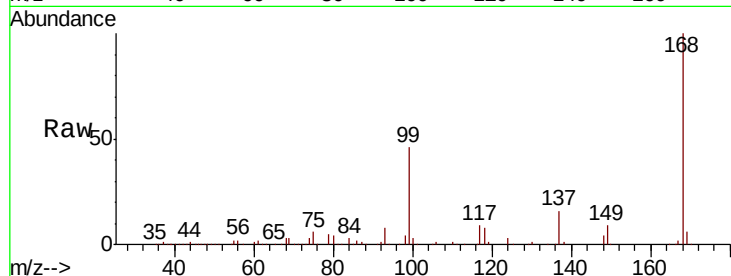
FL-0577

Tot Ion:168 Resp: 262940

Ion Ratio Lower Upper

168 100

99 46.4 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

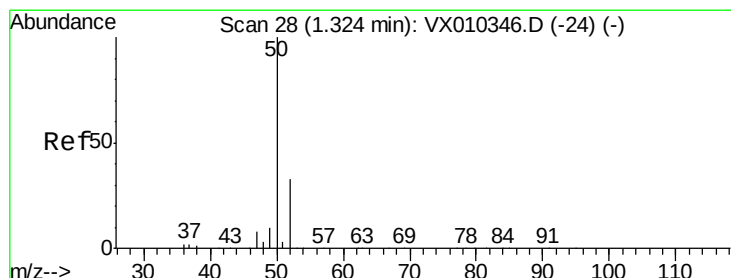
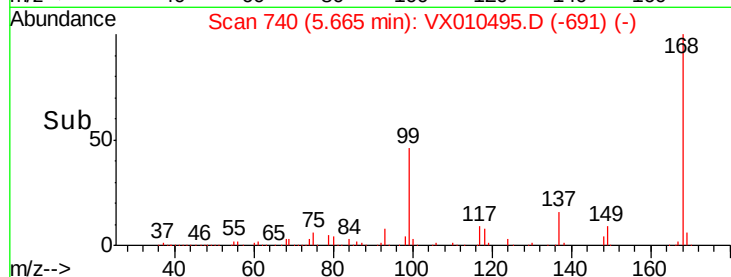
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.451 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010495.D

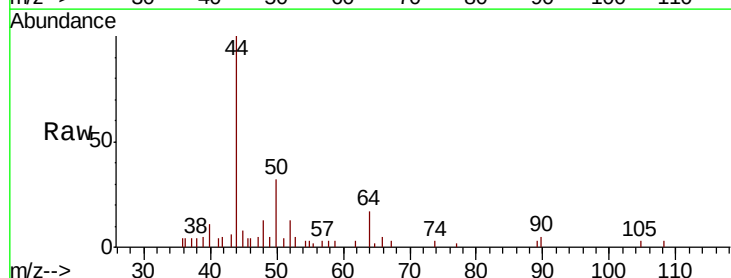
Acq: 27 Jun 2019 17:40

Tgt Ion: 50 Resp: 961

Ion Ratio Lower Upper

50 100

52 32.8 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

800

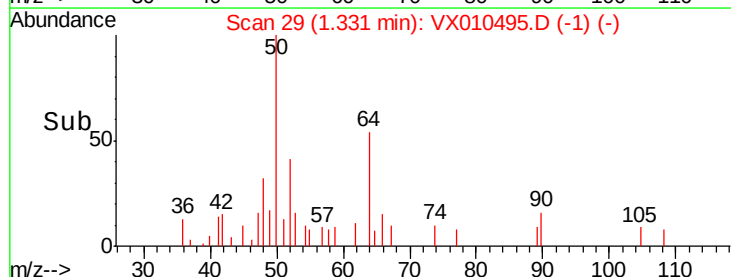
600

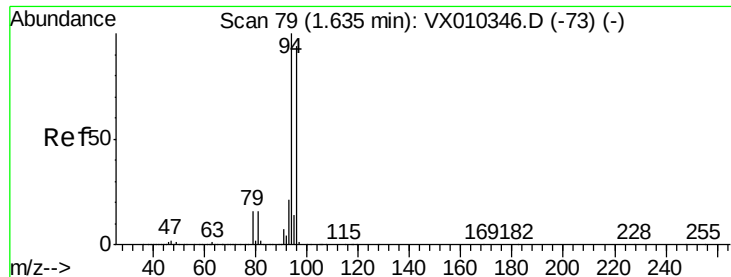
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.400 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

Instrument :

MSVOA\_X

ClientSampled :

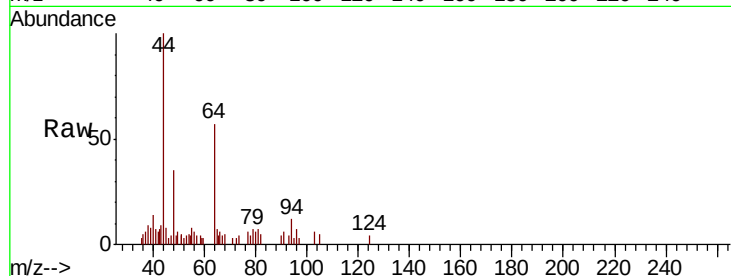
FL-0577

Tot Ion: 94 Resp: 454

Ion Ratio Lower Upper

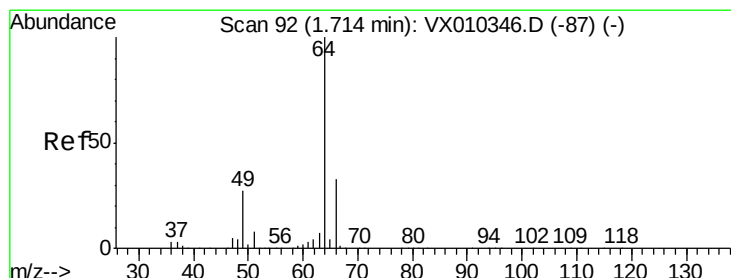
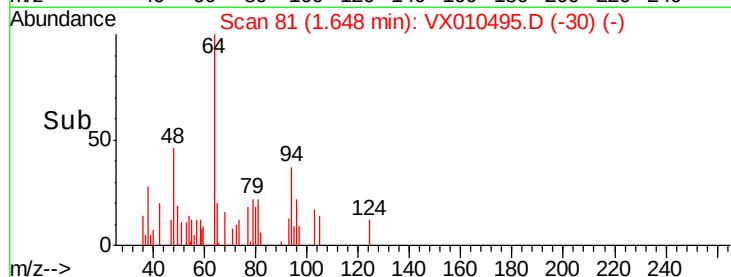
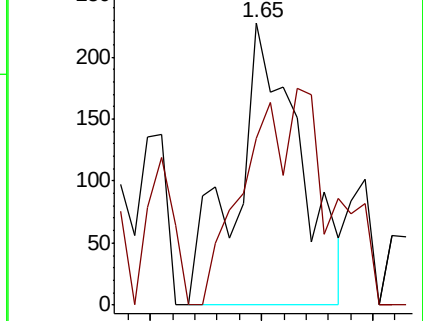
94 100

96 59.2 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.286 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX010495.D

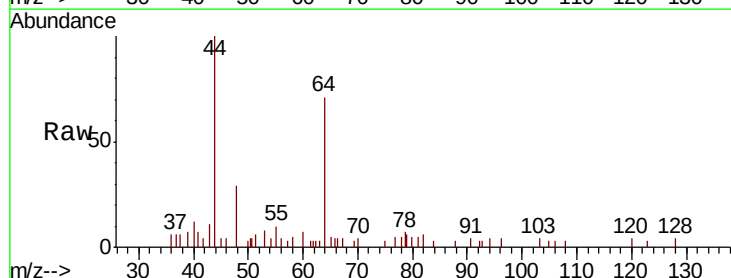
Acq: 27 Jun 2019 17:40

Tgt Ion: 64 Resp: 393

Ion Ratio Lower Upper

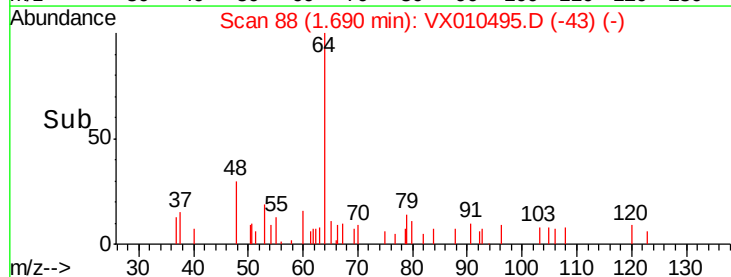
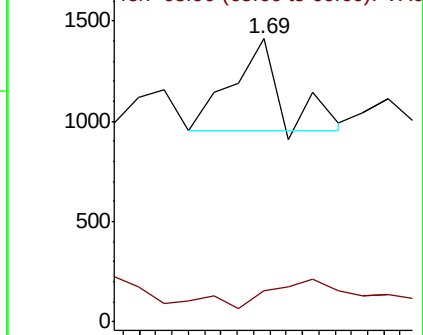
64 100

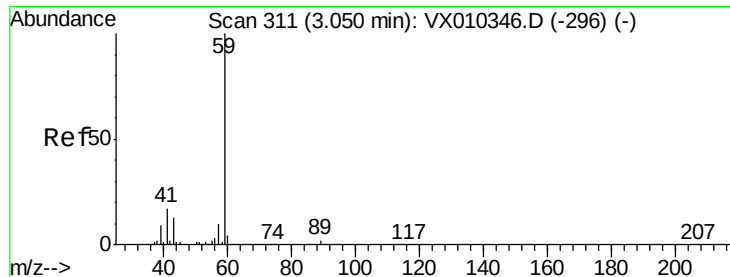
66 0.4 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



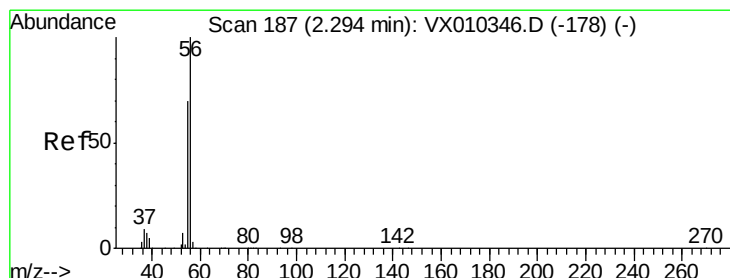
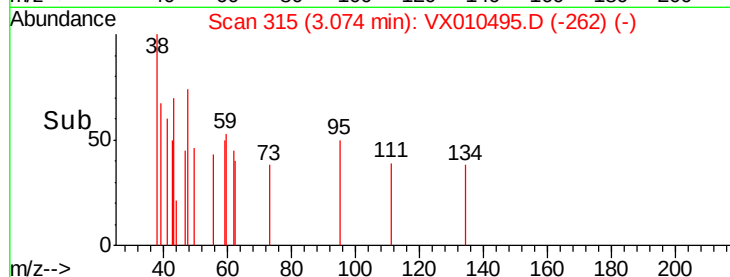
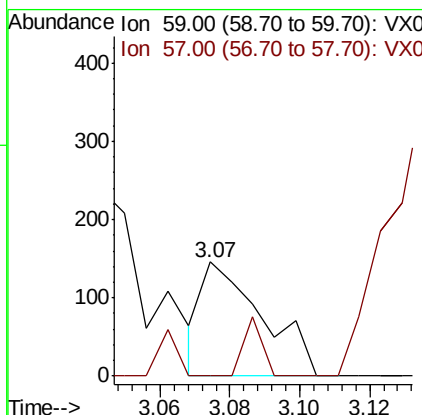
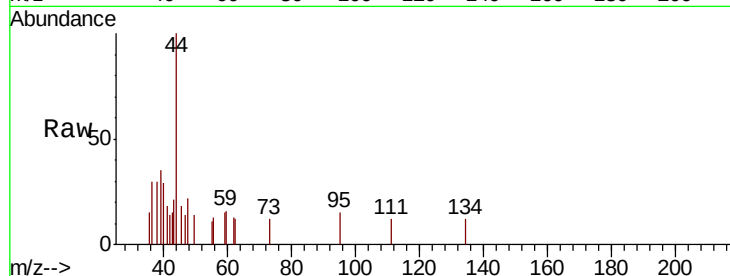


#11

Tert butyl alcohol  
Concen: 0.271 ug/l  
RT: 3.07 min Scan# 315  
Delta R.T. 0.02 min  
Lab File: VX010495.D  
Acq: 27 Jun 2019 17:40

Instrument :  
MSVOA\_X  
ClientSampled :  
FL-0577

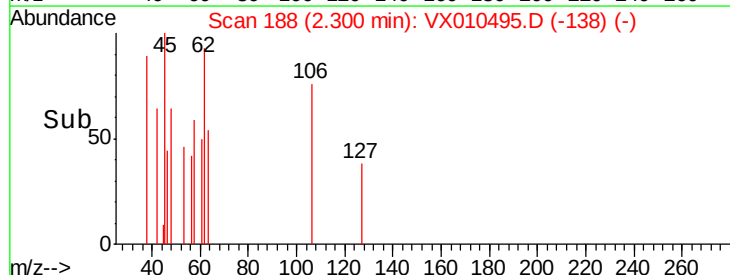
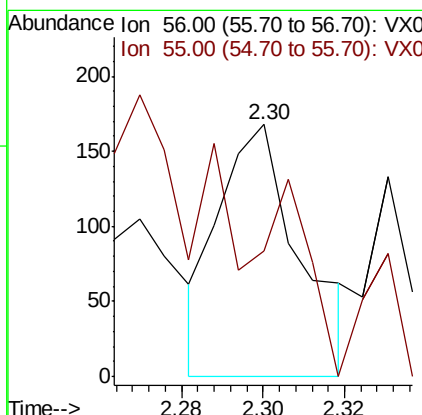
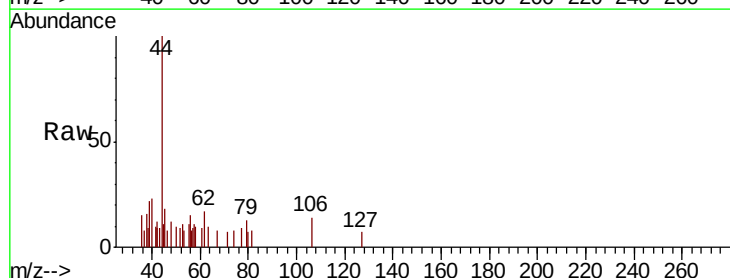
Tot Ion: 59 Resp: 175  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.7 11.5#

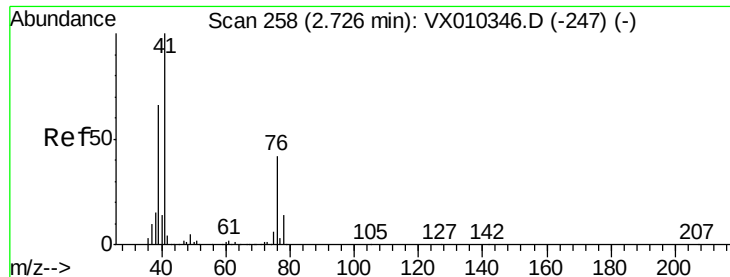


#13

Acrolein  
Concen: 0.540 ug/l  
RT: 2.30 min Scan# 188  
Delta R.T. 0.01 min  
Lab File: VX010495.D  
Acq: 27 Jun 2019 17:40

Tgt Ion: 56 Resp: 231  
Ion Ratio Lower Upper  
56 100  
55 0.0 56.9 85.3#





#14

Allvl chloride

Concen: 1.706 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.12 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

Instrument :

MSVOA\_X

ClientSampled :

FL-0577

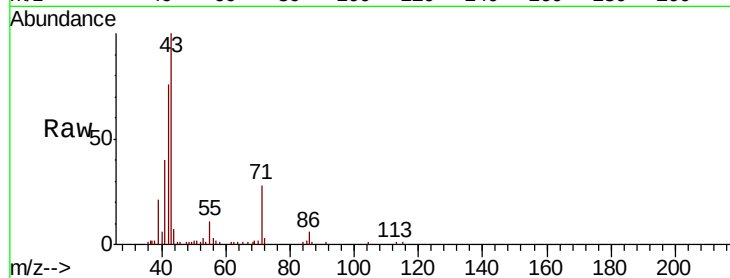
Tot Ion: 41 Resp: 5520

Ion Ratio Lower Upper

41 100

39 50.0 50.3 75.5#

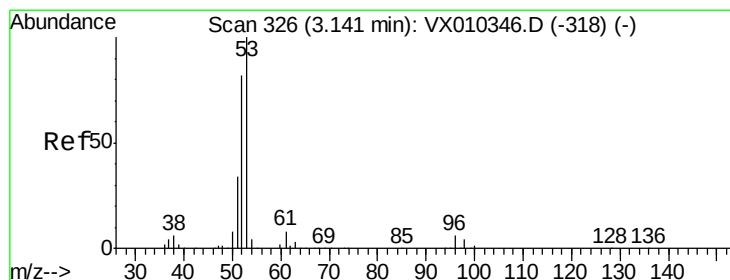
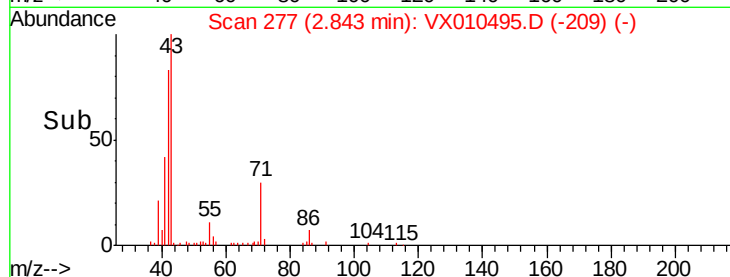
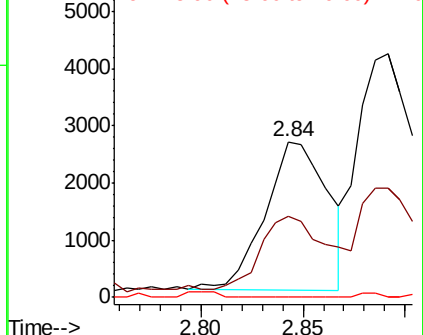
76 0.0 31.3 46.9#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



#15

Acrylonitrile

Concen: 1.079 ug/l

RT: 3.18 min Scan# 332

Delta R.T. 0.04 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

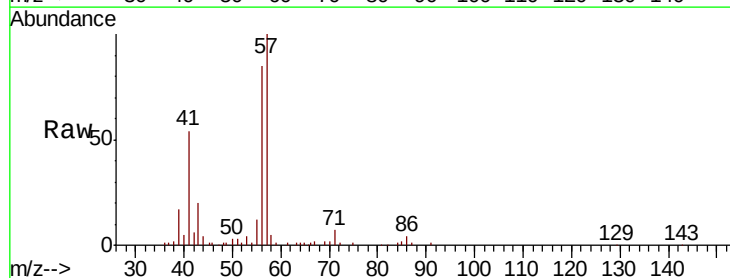
Tgt Ion: 53 Resp: 1378

Ion Ratio Lower Upper

53 100

52 17.7 65.5 98.3#

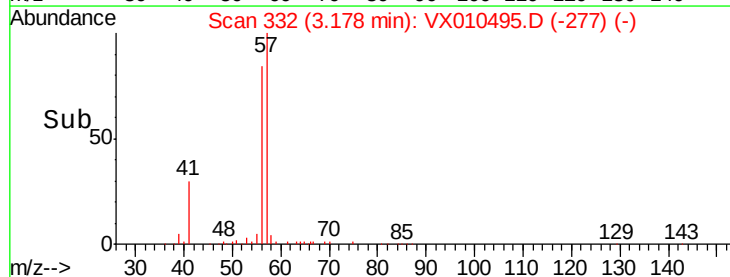
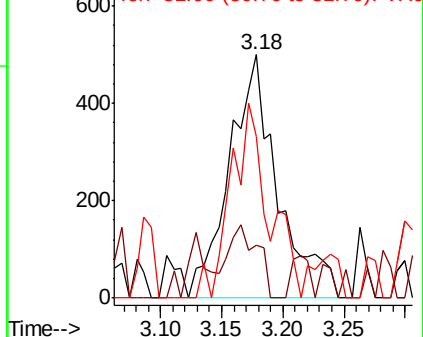
51 50.7 28.2 42.4#

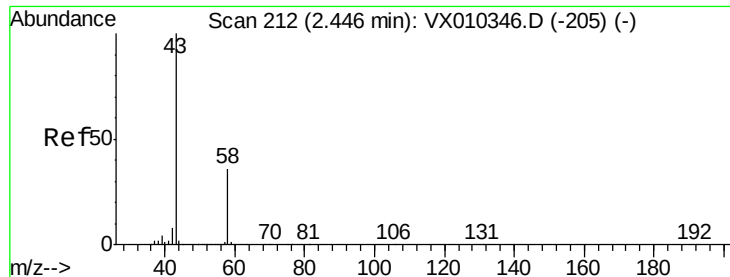


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 2.806 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

Instrument :

MSVOA\_X

ClientSampleId :

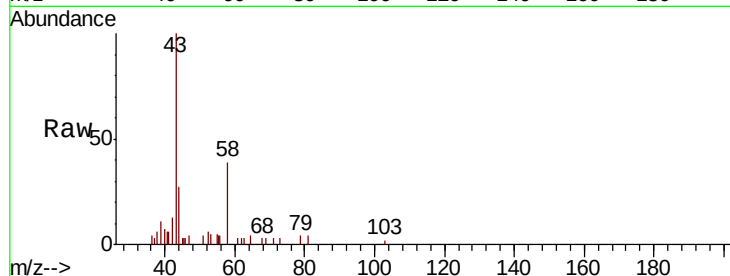
FL-0577

Tot Ion: 43 Resp: 3467

Ion Ratio Lower Upper

43 100

58 38.2 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

2000

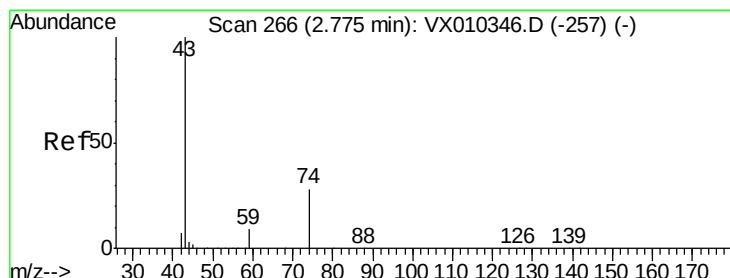
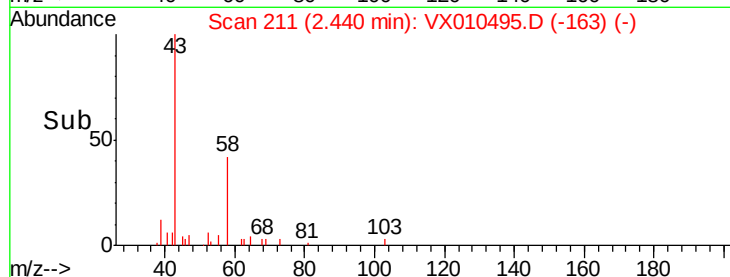
1500

1000

500

0

Time-->



#18

Methyl Acetate

Concen: 6.018 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.07 min

Lab File: VX010495.D

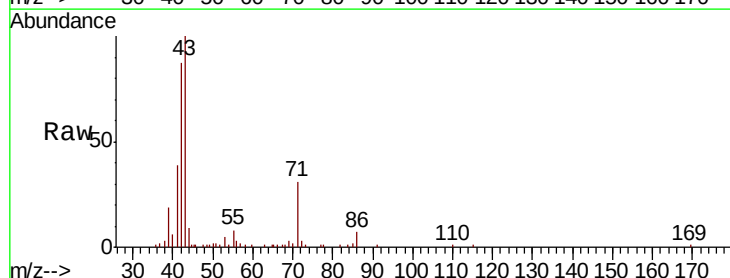
Acq: 27 Jun 2019 17:40

Tgt Ion: 43 Resp: 14819

Ion Ratio Lower Upper

43 100

74 0.0 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

12000

10000

8000

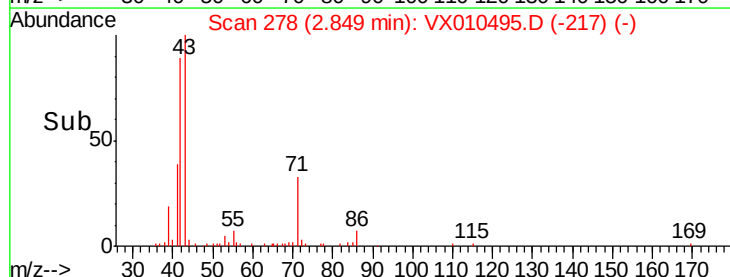
6000

4000

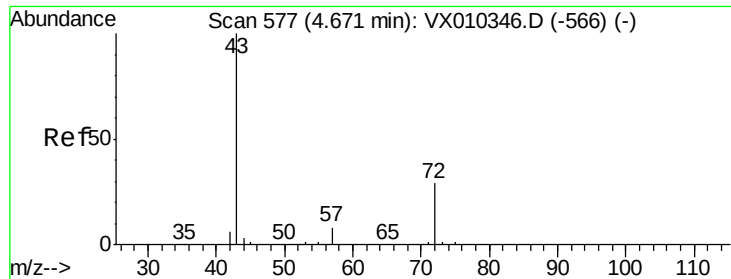
2000

0

Time-->







#25

2-Butanone

Concen: 0.807 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

Instrument :

MSVOA\_X

ClientSampleId :

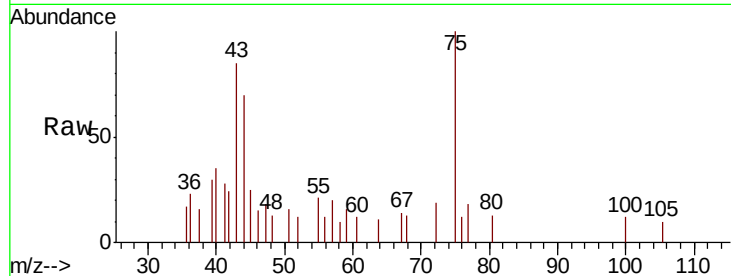
FL-0577

Tot Ion: 43 Resp: 1462

Ion Ratio Lower Upper

43 100

72 22.4 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

400

300

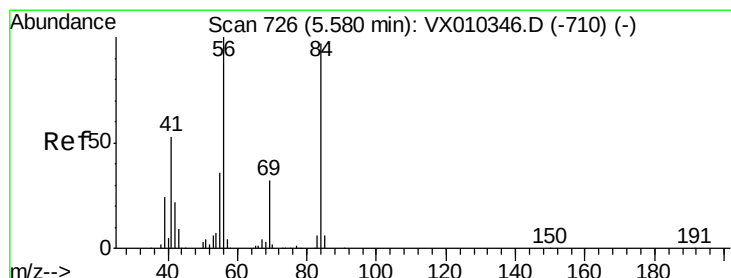
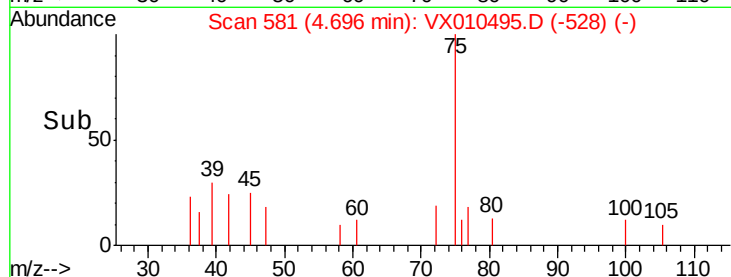
200

100

0

4.60 4.65 4.70 4.75 4.80

Time-->



#31

Cyclohexane

Concen: 19.109 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

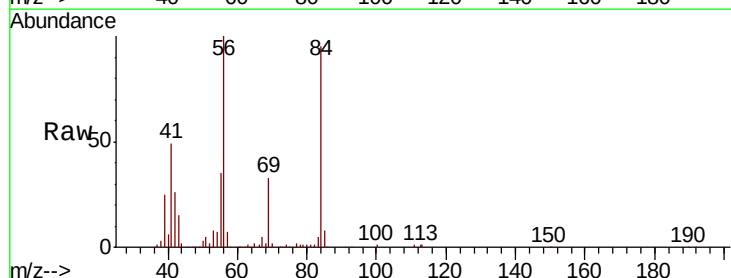
Tgt Ion: 56 Resp: 68046

Ion Ratio Lower Upper

56 100

69 33.1 25.9 38.9

84 95.1 78.0 117.0



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

25000

20000

15000

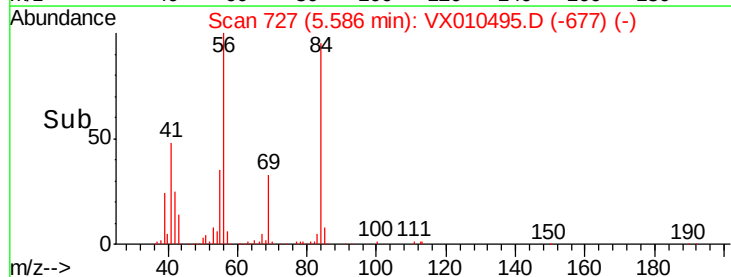
10000

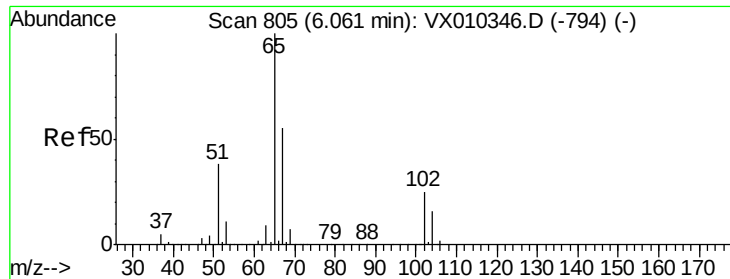
5000

0

5.40 5.50 5.60 5.70

Time-->

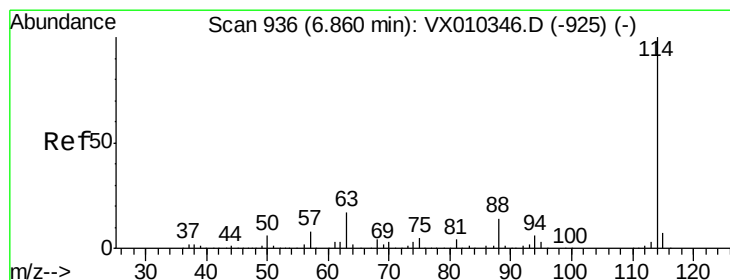
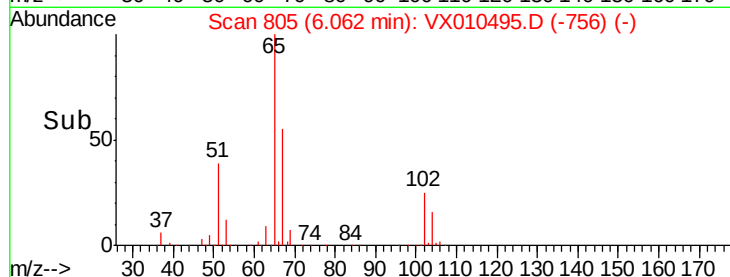
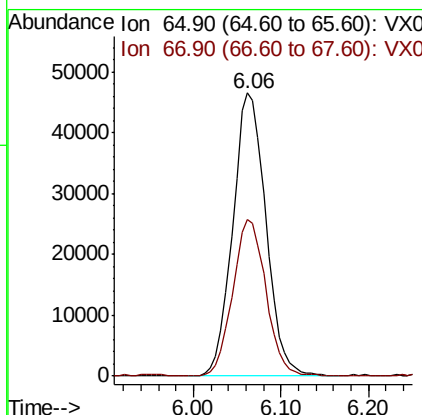
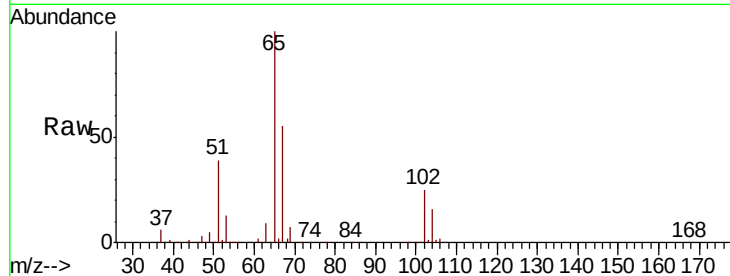




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.679 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. 0.00 min  
 Lab File: VX010495.D  
 Acq: 27 Jun 2019 17:40

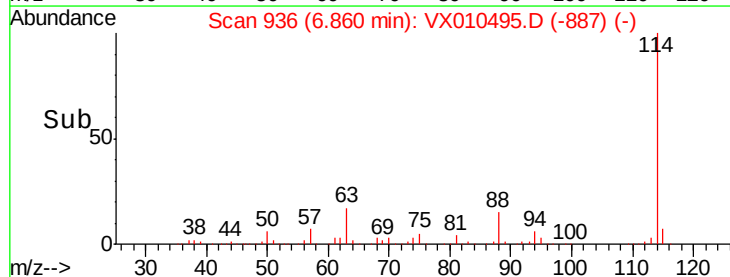
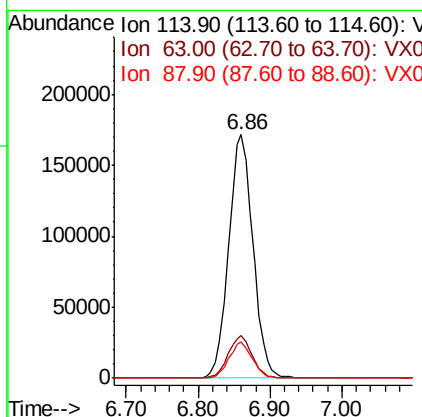
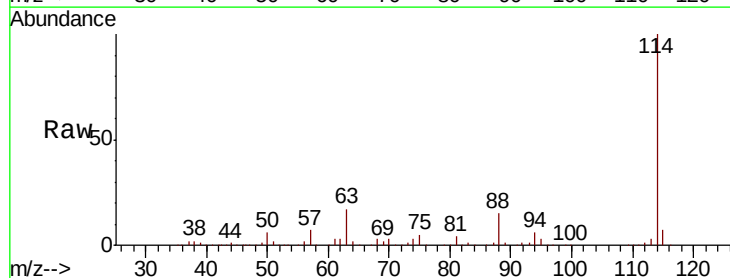
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 FL-0577

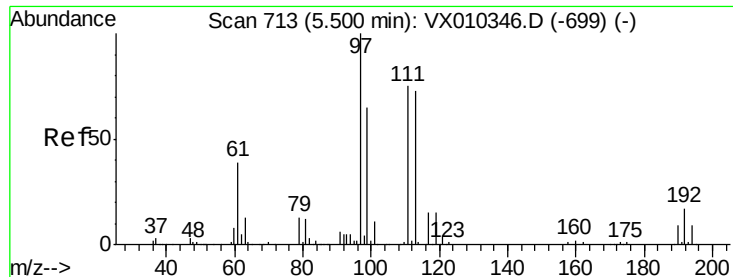
Tot Ion: 65 Resp: 122475  
 Ion Ratio Lower Upper  
 65 100  
 67 55.0 0.0 110.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX010495.D  
 Acq: 27 Jun 2019 17:40

Tgt Ion: 114 Resp: 402046  
 Ion Ratio Lower Upper  
 114 100  
 63 17.4 0.0 33.8  
 88 15.0 0.0 27.6

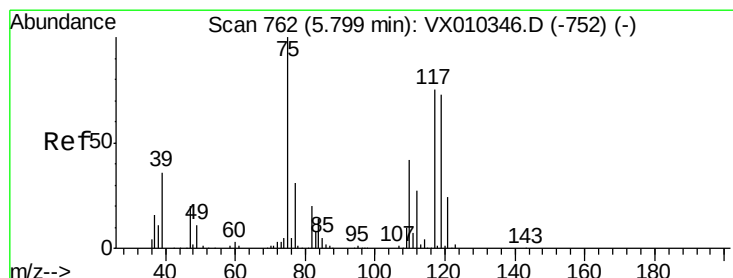
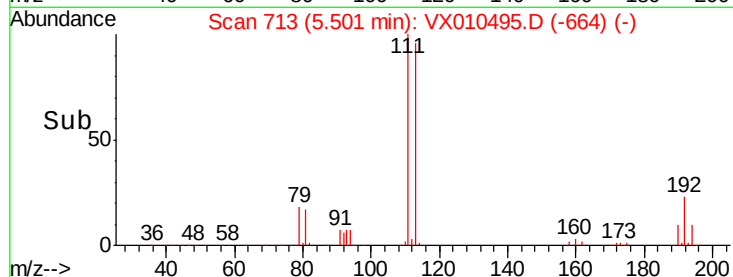
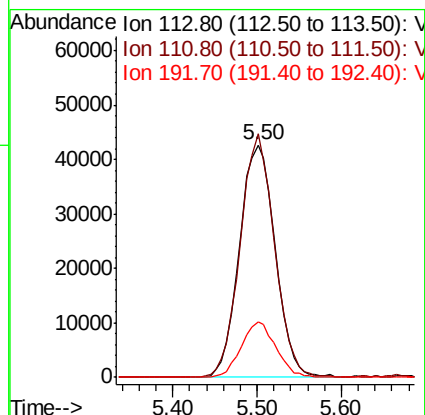
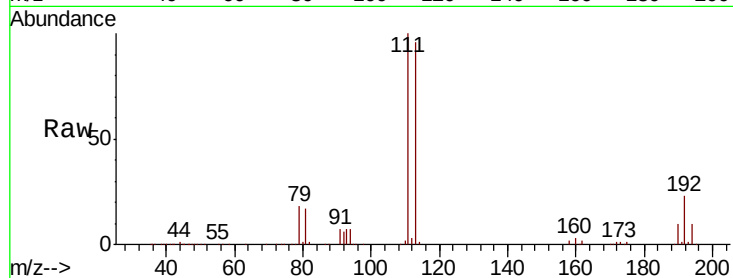




#35  
 Dibromofluoromethane  
 Concen: 49.869 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.00 min  
 Lab File: VX010495.D  
 Acq: 27 Jun 2019 17:40

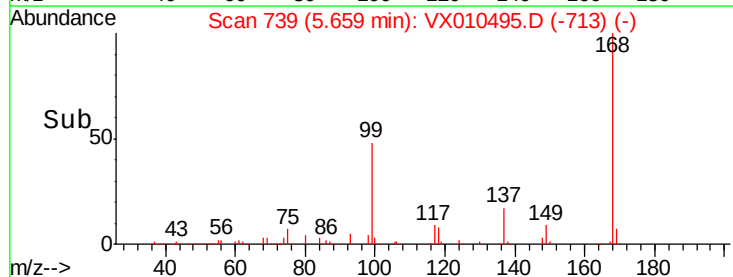
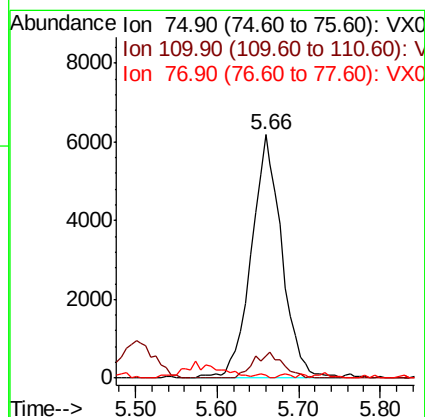
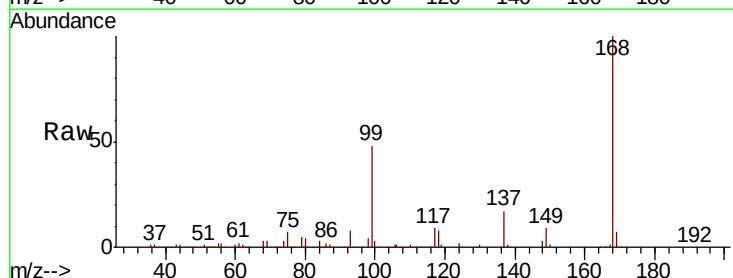
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FL-0577

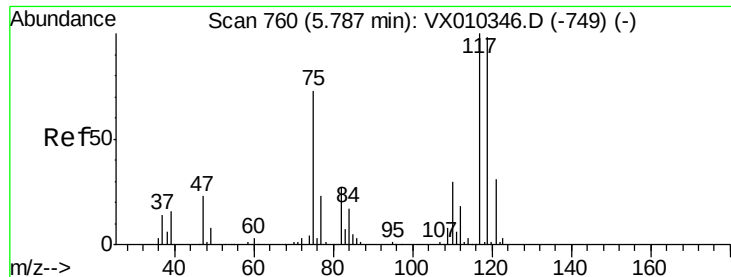
Tot Ion:113 Resp: 122672  
 Ion Ratio Lower Upper  
 113 100  
 111 100.5 81.2 121.8  
 192 23.0 18.6 27.8



#36  
 1,1-Dichloropropene  
 Concen: 5.045 ug/l  
 RT: 5.66 min Scan# 739  
 Delta R.T. -0.14 min  
 Lab File: VX010495.D  
 Acq: 27 Jun 2019 17:40

Tgt Ion: 75 Resp: 16119  
 Ion Ratio Lower Upper  
 75 100  
 110 10.2 20.8 62.2#  
 77 0.5 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.672 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

Instrument :

MSVOA\_X

ClientSampled :

FL-0577

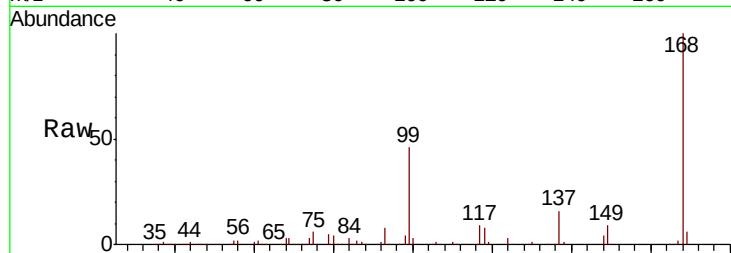
Tot Ion:117 Resp: 23084

Ion Ratio Lower Upper

117 100

119 6.0 78.2 117.4#

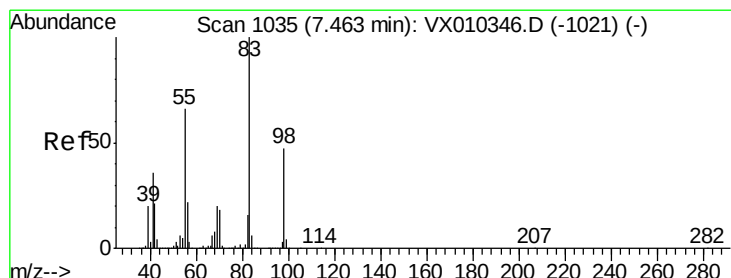
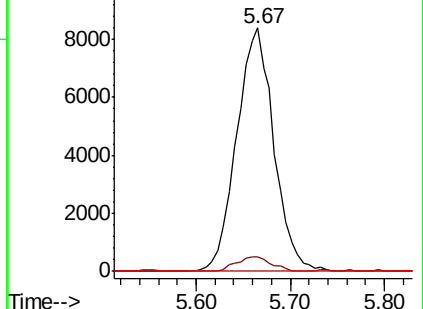
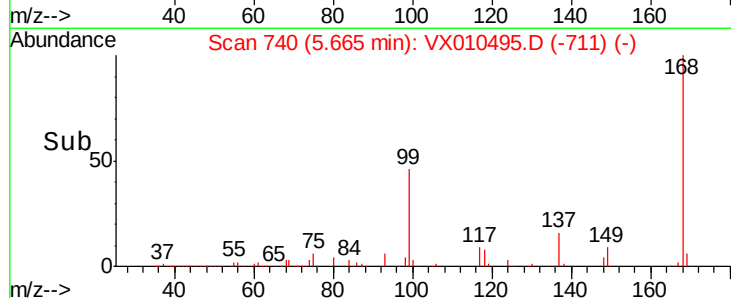
121 0.0 24.7 37.1#



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: 27.143 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

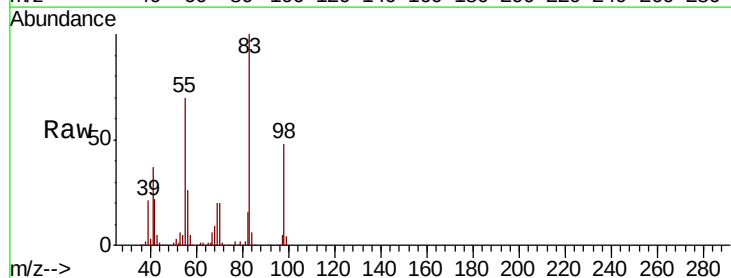
Tgt Ion: 83 Resp: 113988

Ion Ratio Lower Upper

83 100

55 69.8 53.0 79.6

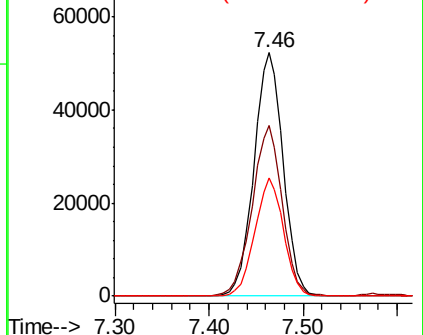
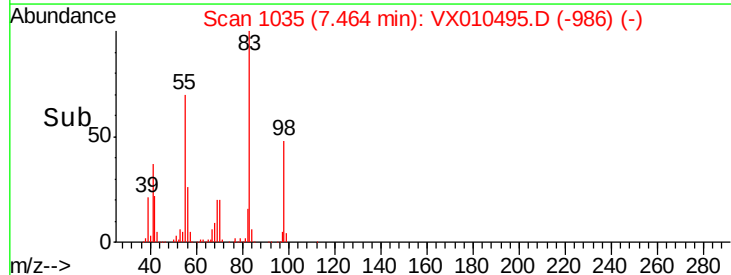
98 48.4 37.8 56.8

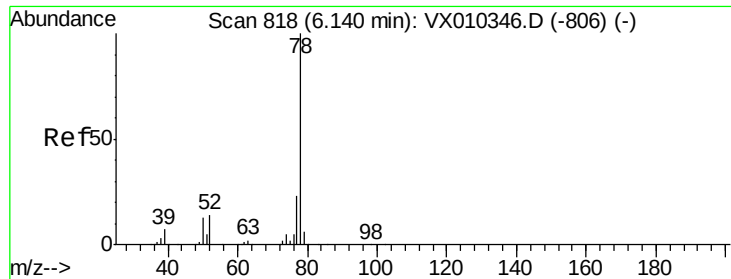


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.435 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

Instrument :

MSVOA\_X

ClientSampleId :

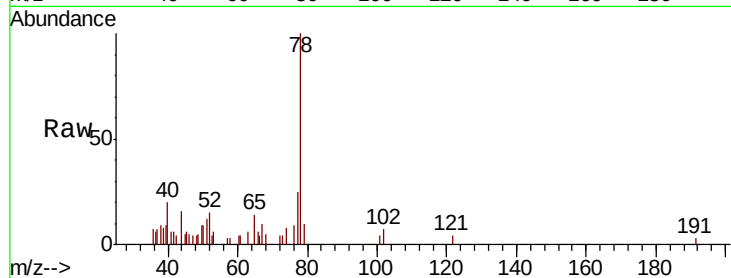
FL-0577

Tot Ion: 78 Resp: 4332

Ion Ratio Lower Upper

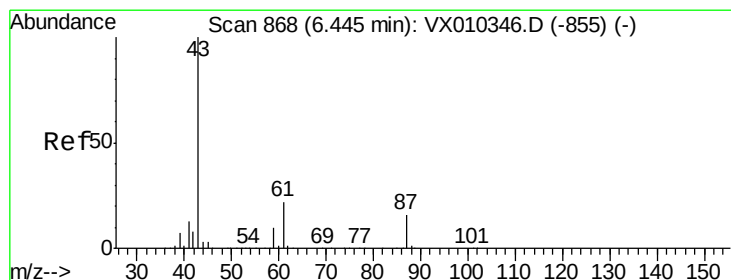
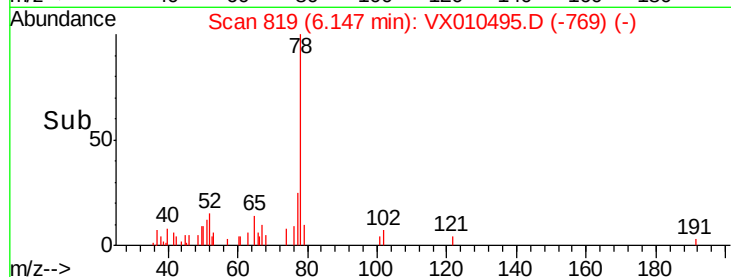
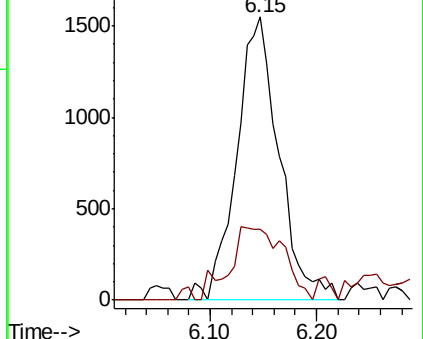
78 100

77 24.9 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#43

Isopropyl Acetate

Concen: 0.259 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.02 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

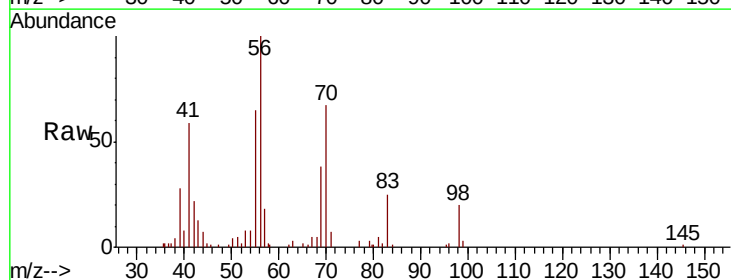
Tgt Ion: 43 Resp: 1406

Ion Ratio Lower Upper

43 100

61 4.1 17.8 26.6#

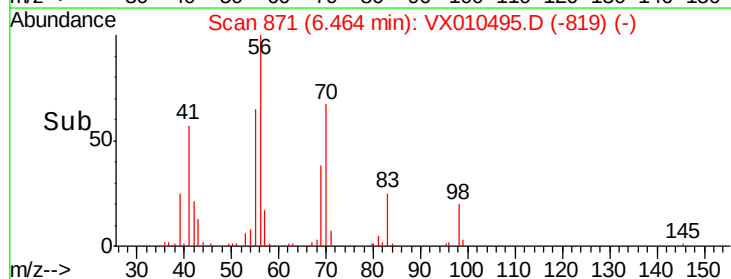
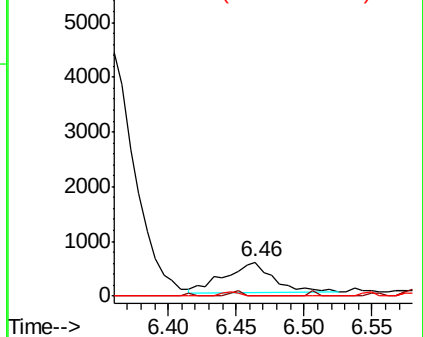
87 5.1 13.0 19.4#

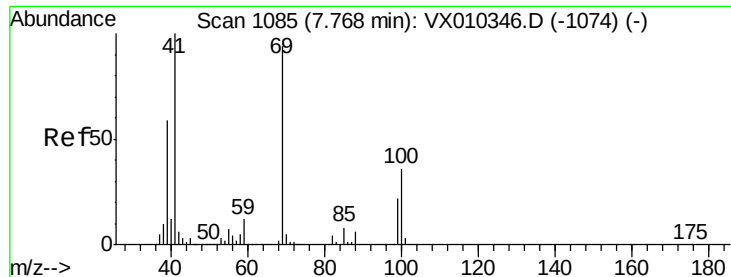


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

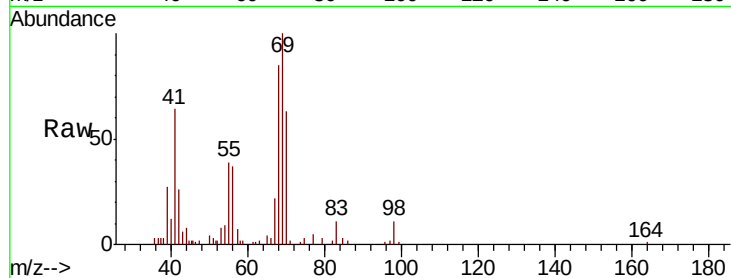




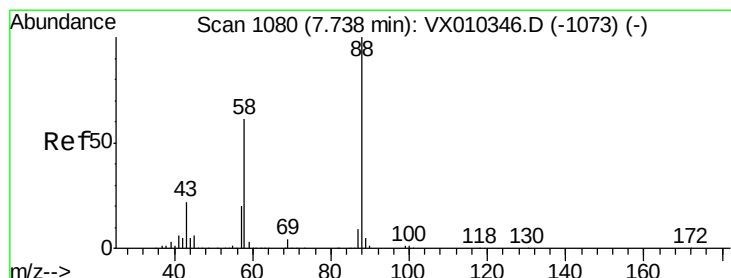
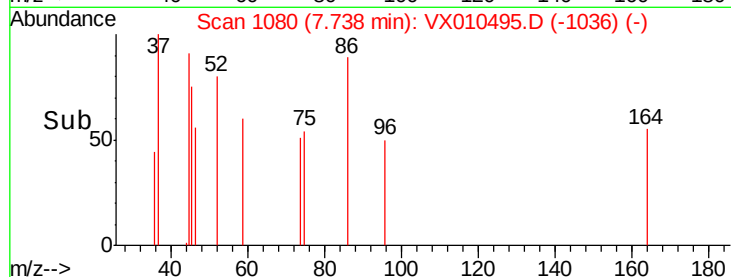
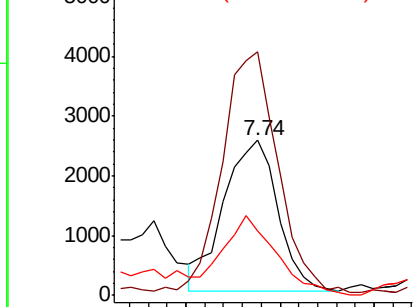
#48  
Methvl methacrylate  
Concen: 1.976 ug/l  
RT: 7.74 min Scan# 1080  
Delta R.T. -0.03 min  
Lab File: VX010495.D  
Acq: 27 Jun 2019 17:40

Instrument :  
MSVOA\_X  
ClientSampleId :  
FL-0577

Tot Ion: 41 Resp: 4994  
Ion Ratio Lower Upper  
41 100  
69 165.7 76.1 114.1#  
39 54.5 47.6 71.4

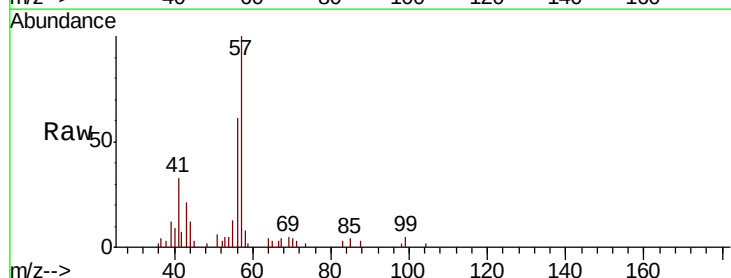


Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 69.00 (68.70 to 69.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0

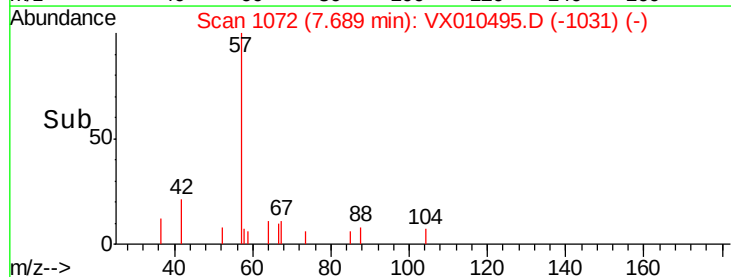
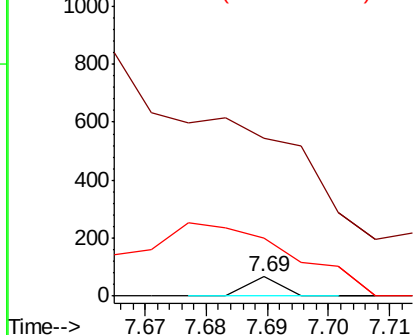


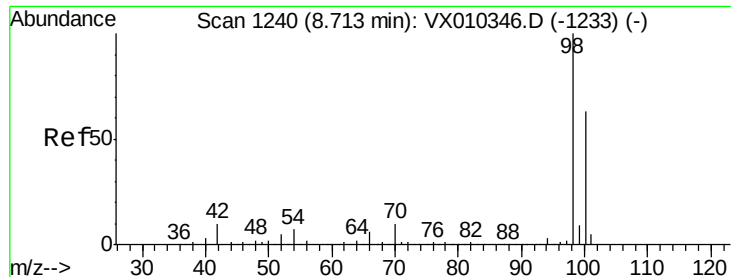
#49  
1,4-Dioxane  
Concen: 0.343 ug/l  
RT: 7.69 min Scan# 1072  
Delta R.T. -0.05 min  
Lab File: VX010495.D  
Acq: 27 Jun 2019 17:40

Tgt Ion: 88 Resp: 25  
Ion Ratio Lower Upper  
88 100  
43 0.0 20.2 30.2#  
58 1552.0 49.5 74.3#



Abundance Ion 88.00 (87.70 to 88.70): VX0  
Ion 43.00 (42.70 to 43.70): VX0  
Ion 58.00 (57.70 to 58.70): VX0

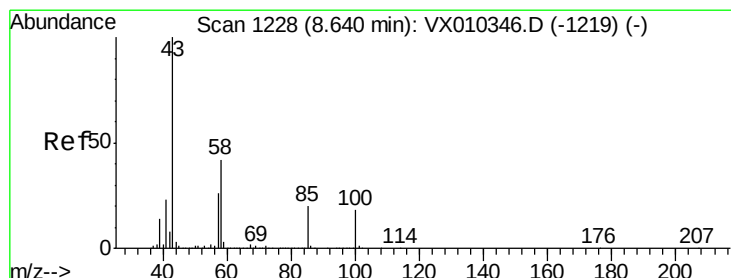
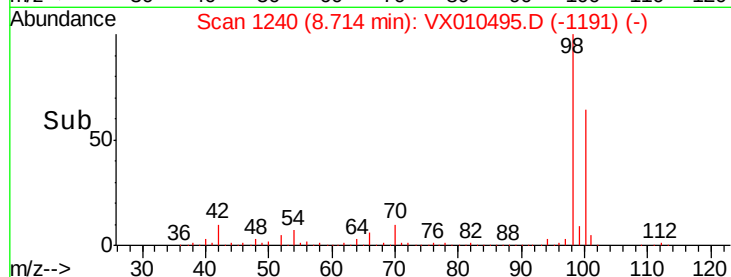
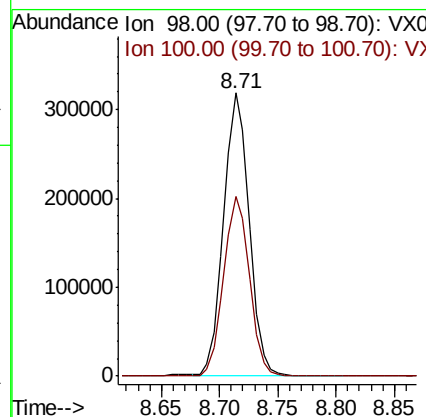
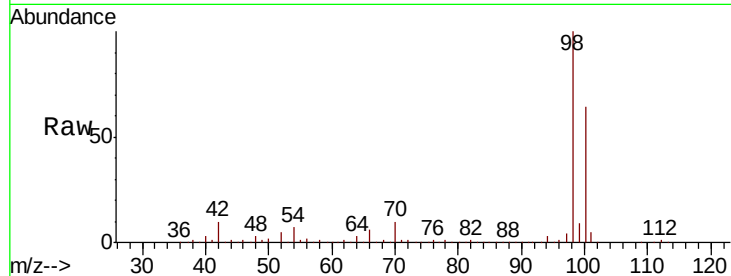




#50  
Toluene-d8  
Concen: 51.046 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX010495.D  
Acq: 27 Jun 2019 17:40

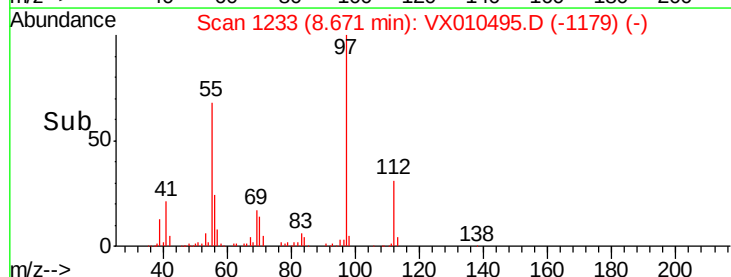
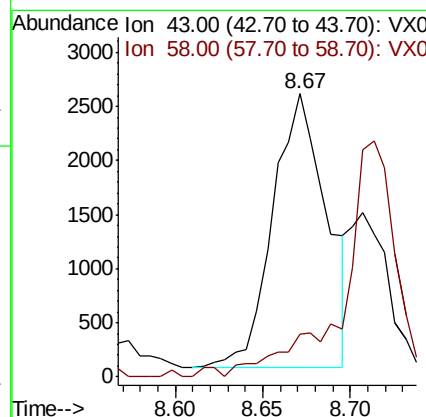
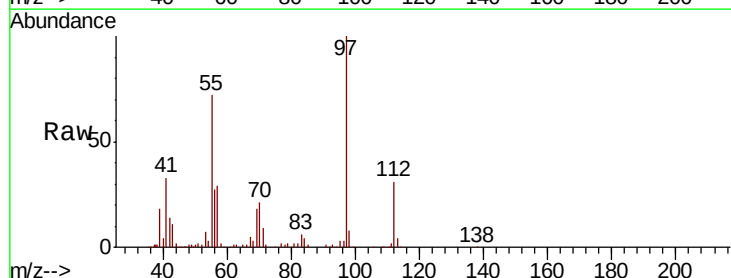
Instrument :  
MSVOA\_X  
ClientSampled :  
FL-0577

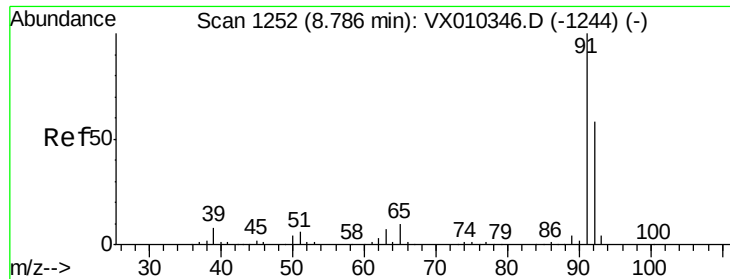
Tot Ion: 98 Resp: 480392  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.6 77.4



#51  
4-Methyl-2-Pentanone  
Concen: 1.555 ug/l  
RT: 8.67 min Scan# 1233  
Delta R.T. 0.03 min  
Lab File: VX010495.D  
Acq: 27 Jun 2019 17:40

Tgt Ion: 43 Resp: 5407  
Ion Ratio Lower Upper  
43 100  
58 0.0 33.5 50.3#





#52

Toluene

Concen: 0.228 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

Instrument :

MSVOA\_X

ClientSampleId :

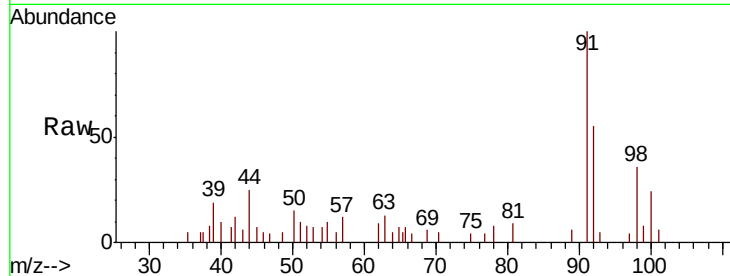
FL-0577

Tot Ion: 92 Resp: 1497

Ion Ratio Lower Upper

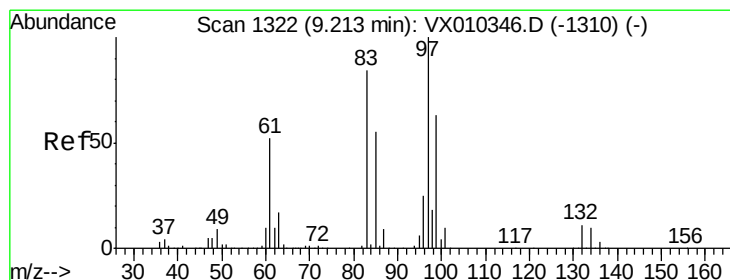
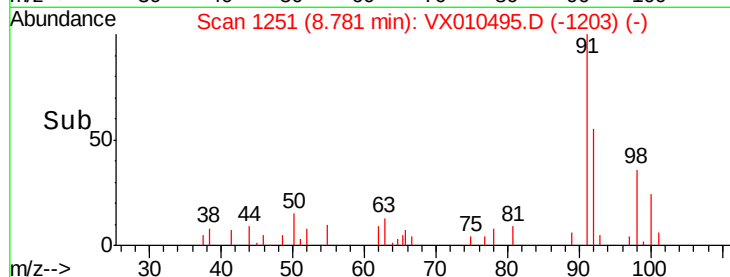
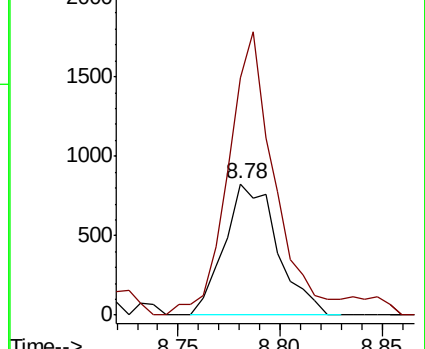
92 100

91 187.8 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#55

1,1,2-Trichloroethane

Concen: 6.654 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

Tgt Ion: 97 Resp: 17987

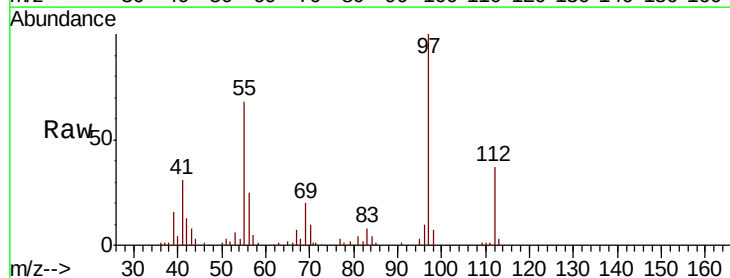
Ion Ratio Lower Upper

97 100

83 7.3 67.4 101.0#

85 0.6 43.8 65.8#

99 0.0 50.3 75.5#

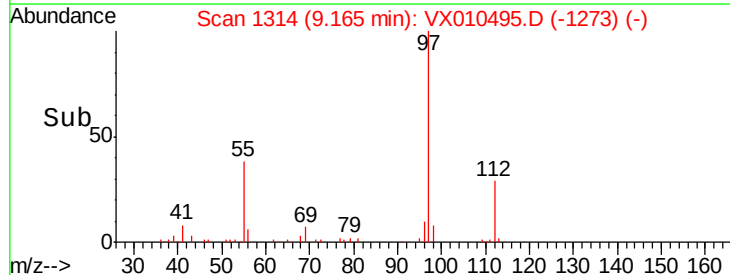
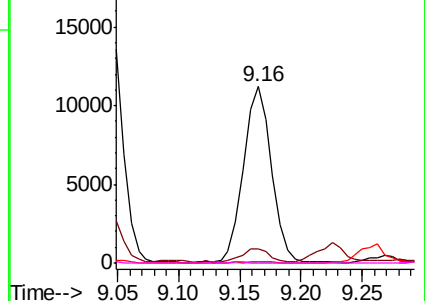


Abundance Ion 96.90 (96.60 to 97.60): VX0

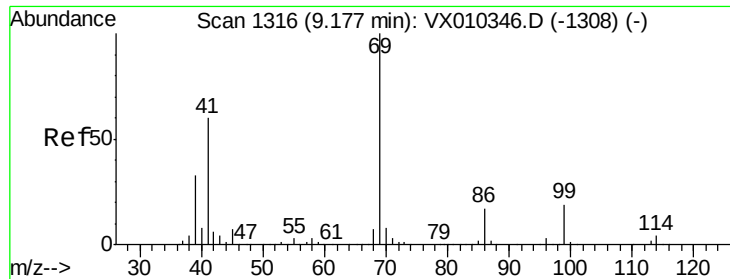
Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0







#56

Ethyl methacrylate

Concen: 0.918 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

Instrument :

MSVOA\_X

ClientSampleId :

FL-0577

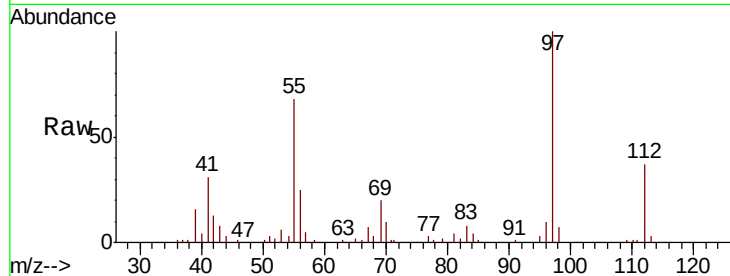
Tot Ion: 69 Resp: 3758

Ion Ratio Lower Upper

69 100

41 140.3 47.1 70.7#

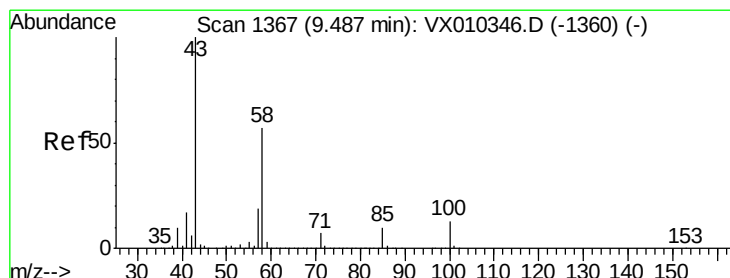
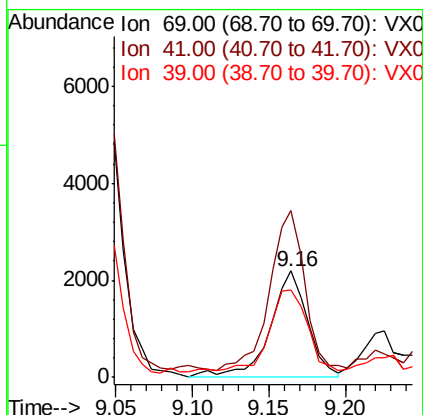
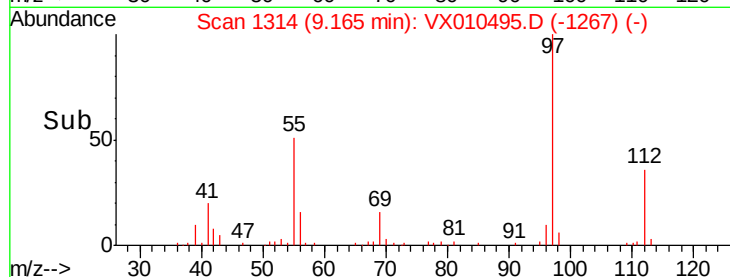
39 79.6 26.6 40.0#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#59

2-Hexanone

Concen: 2.232 ug/l

RT: 9.45 min Scan# 1360

Delta R.T. -0.04 min

Lab File: VX010495.D

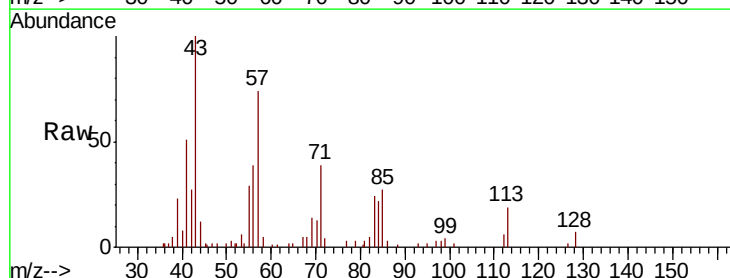
Acq: 27 Jun 2019 17:40

Tgt Ion: 43 Resp: 6110

Ion Ratio Lower Upper

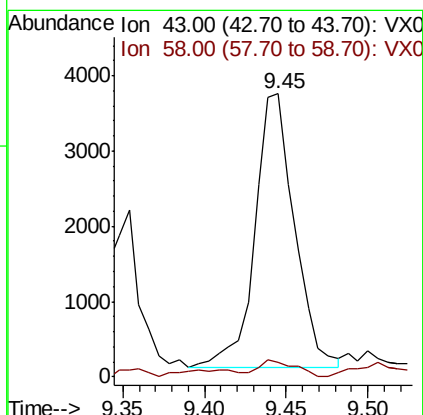
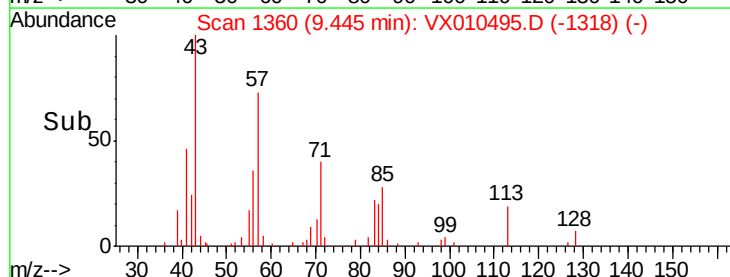
43 100

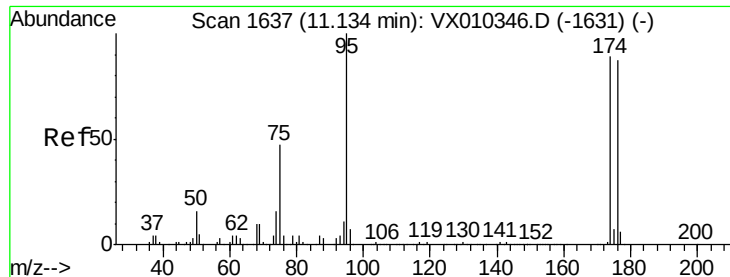
58 5.4 29.0 87.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 49.317 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

Instrument :

MSVOA\_X

ClientSampled :

FL-0577

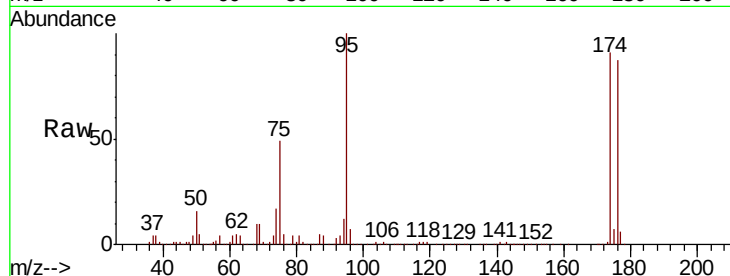
Tot Ion: 95 Resp: 167559

Ion Ratio Lower Upper

95 100

174 97.2 0.0 187.6

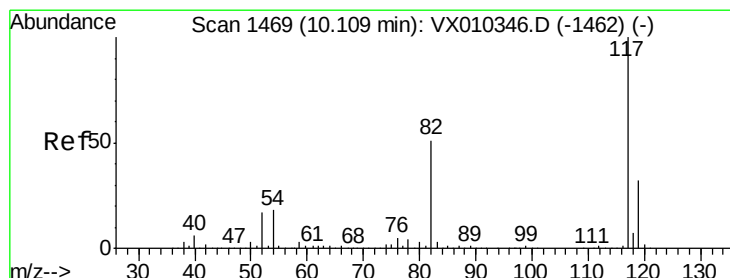
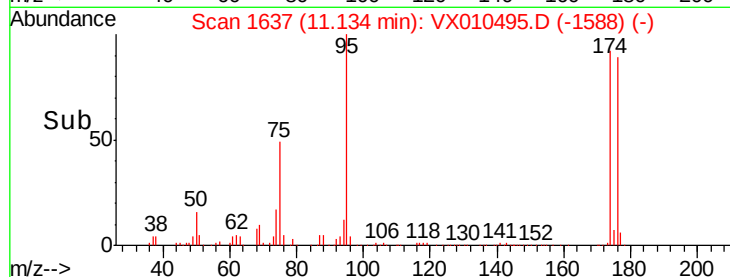
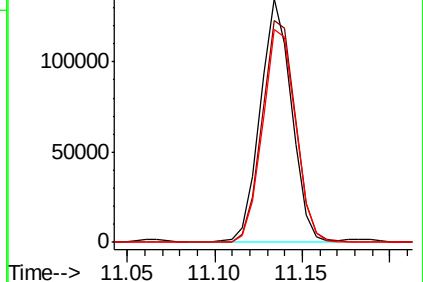
176 92.5 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

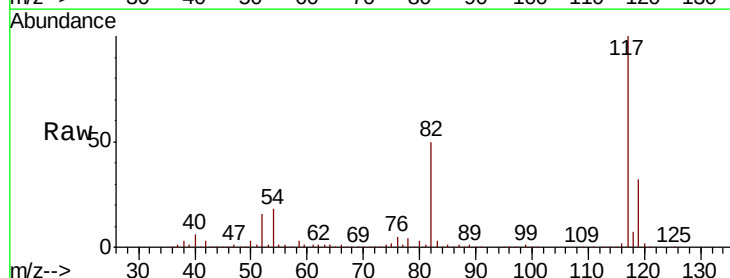
Tgt Ion: 117 Resp: 375744

Ion Ratio Lower Upper

117 100

82 50.0 41.2 61.8

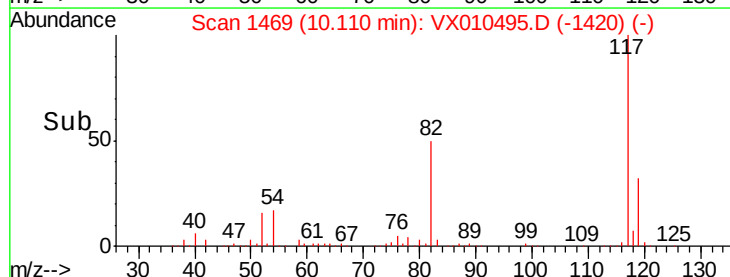
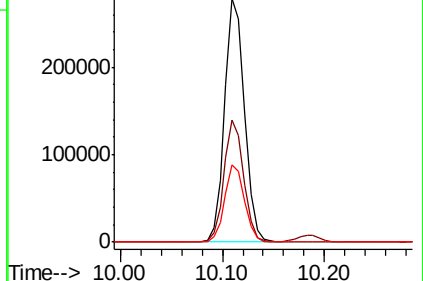
119 31.7 25.5 38.3

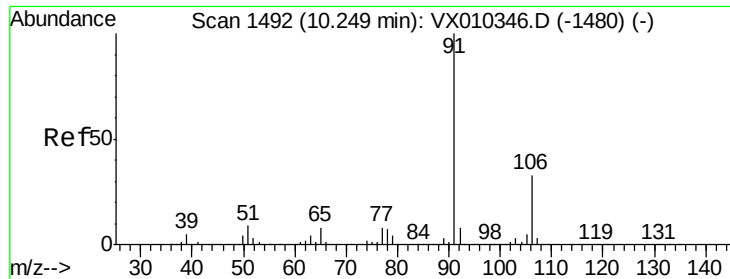


Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)





#67

Ethyl Benzene

Concen: 77.555 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

Instrument :

MSVOA\_X

ClientSampled :

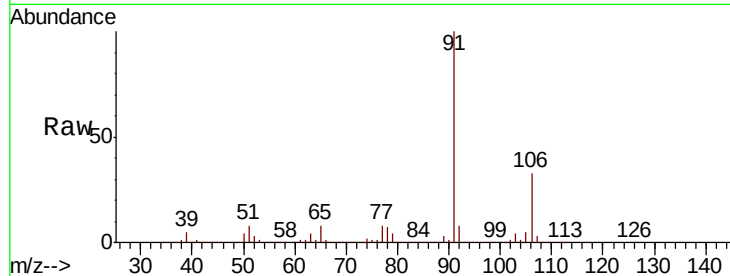
FL-0577

Tot Ion: 91 Resp: 998771

Ion Ratio Lower Upper

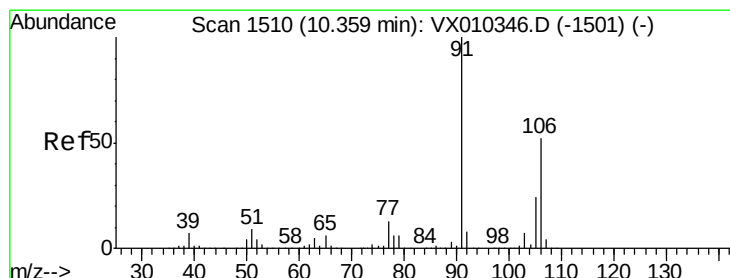
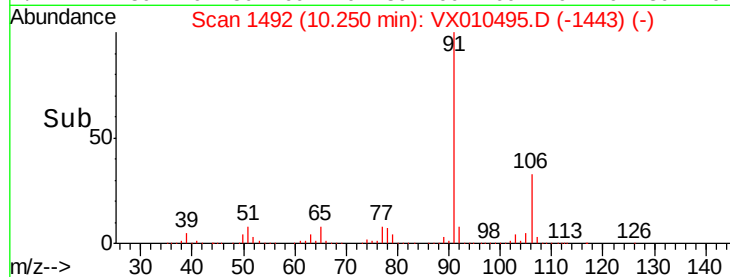
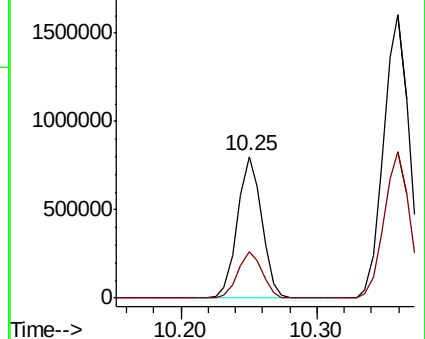
91 100

106 32.6 26.2 39.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 215.051 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010495.D

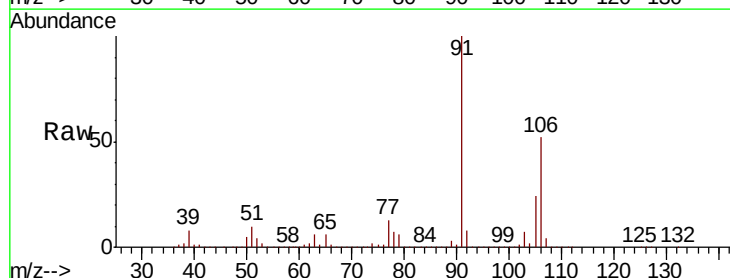
Acq: 27 Jun 2019 17:40

Tgt Ion: 106 Resp: 1073109

Ion Ratio Lower Upper

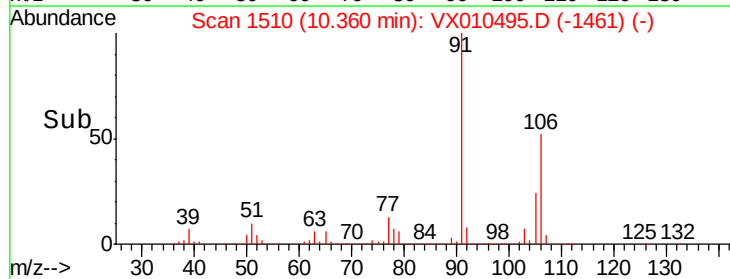
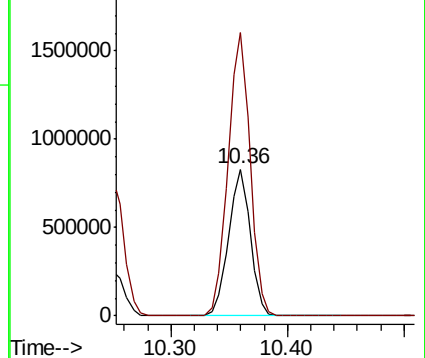
106 100

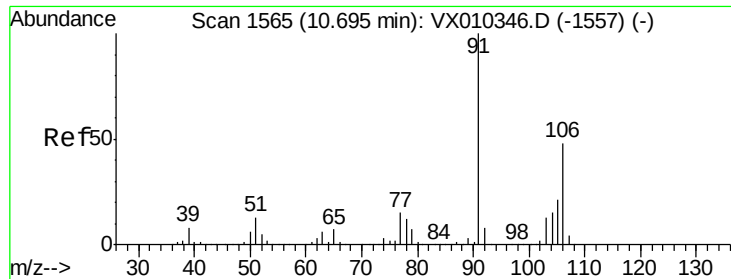
91 195.7 155.3 232.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

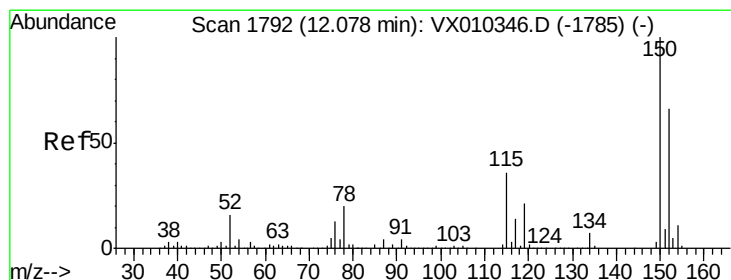
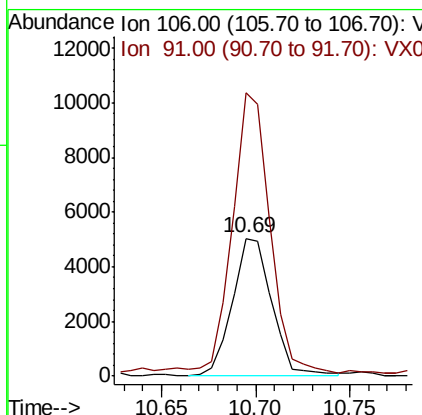
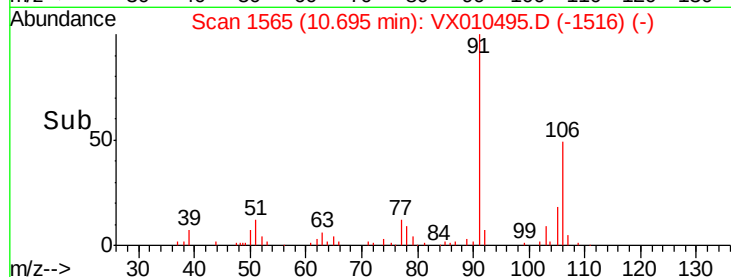
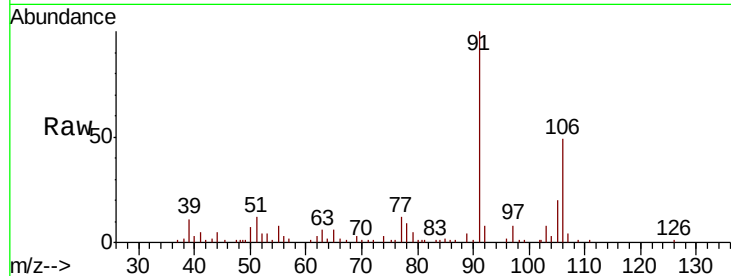




#69  
o-Xylene  
Concen: 1.492 ug/l  
RT: 10.69 min Scan# 1565  
Delta R.T. 0.00 min  
Lab File: VX010495.D  
Acq: 27 Jun 2019 17:40

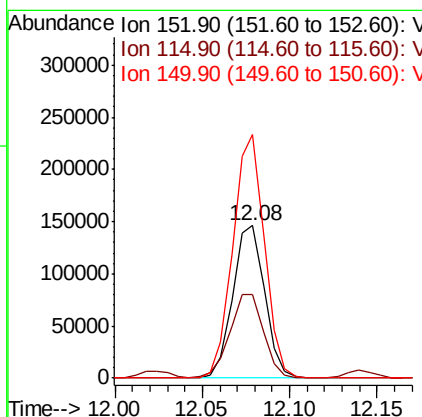
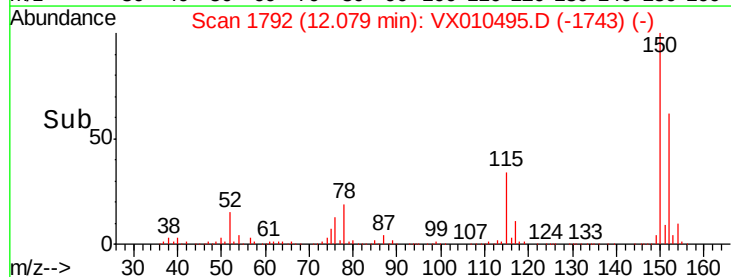
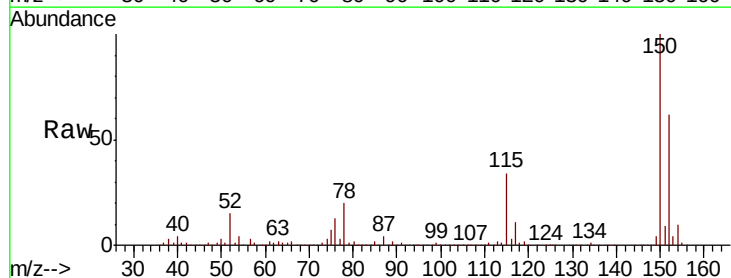
Instrument :  
MSVOA\_X  
ClientSampled :  
FL-0577

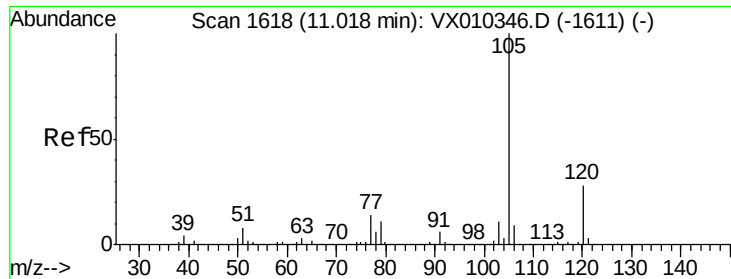
Tot Ion:106 Resp: 7321  
Ion Ratio Lower Upper  
106 100  
91 190.5 102.7 308.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX010495.D  
Acq: 27 Jun 2019 17:40

Tgt Ion:152 Resp: 185192  
Ion Ratio Lower Upper  
152 100  
115 58.6 38.6 115.7  
150 157.6 0.0 347.4





#73

Isopropylbenzene

Concen: 16.114 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

Instrument :

MSVOA\_X

ClientSampleId :

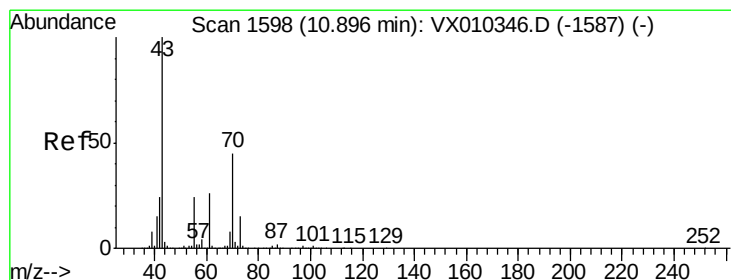
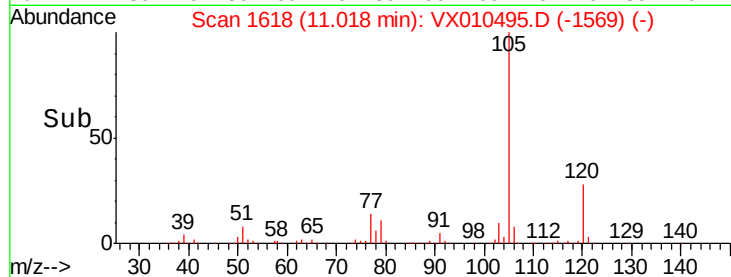
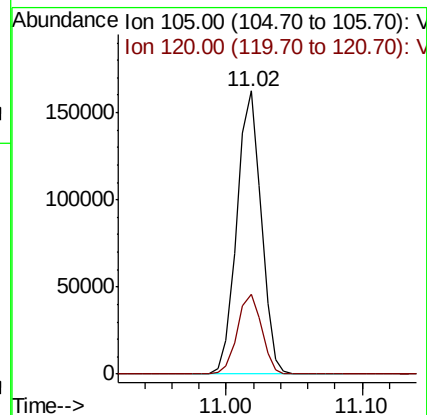
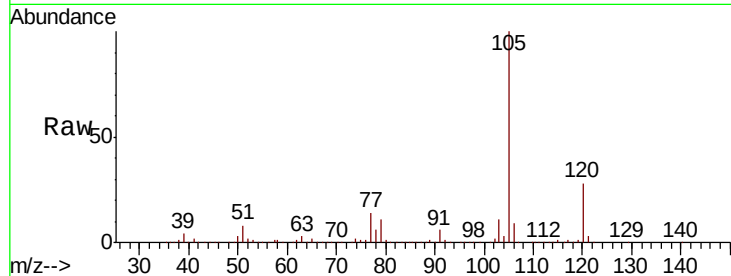
FL-0577

Tot Ion:105 Resp: 202286

Ion Ratio Lower Upper

105 100

120 28.2 14.1 42.4



#74

N-ethyl acetate

Concen: 0.455 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

Tgt Ion: 43 Resp: 2158

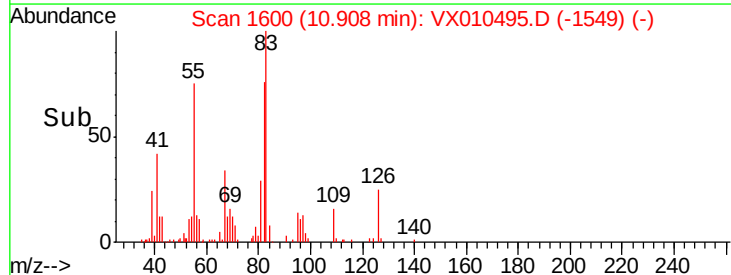
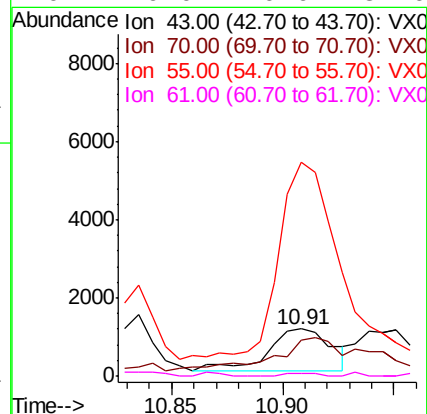
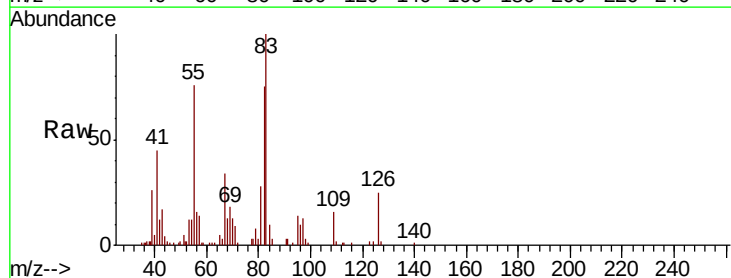
Ion Ratio Lower Upper

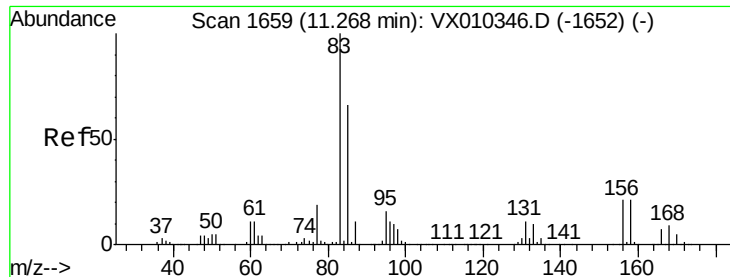
43 100

70 111.0 36.6 54.8#

55 477.5 18.7 28.1#

61 0.0 20.6 31.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.732 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

Instrument :

MSVOA\_X

ClientSampled :

FL-0577

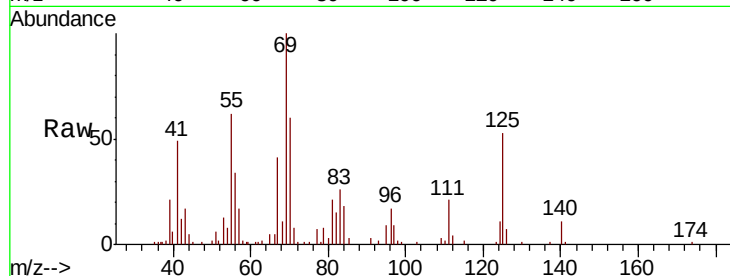
Tot Ion: 83 Resp: 3043

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

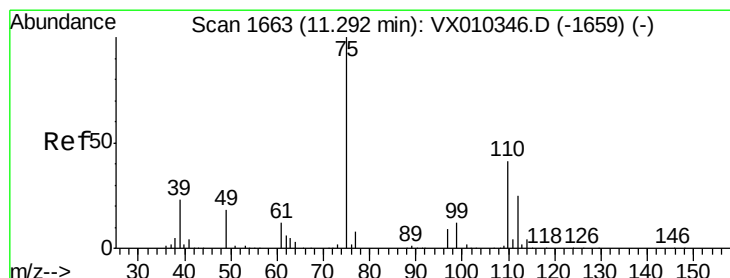
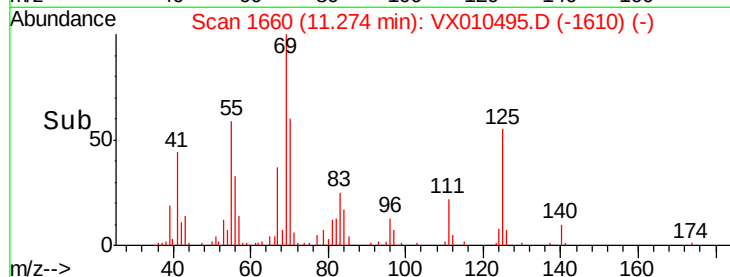
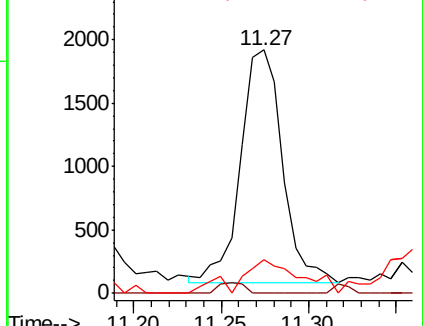
85 17.7 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 4.414 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.14 min

Lab File: VX010495.D

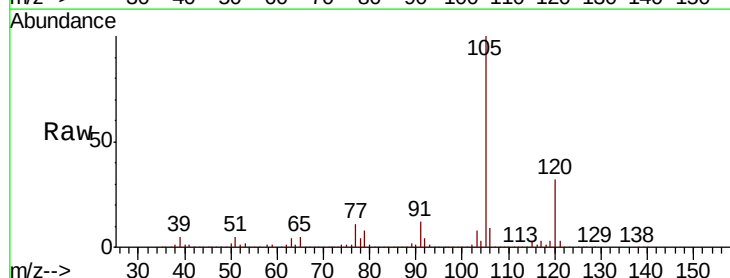
Acq: 27 Jun 2019 17:40

Tgt Ion: 75 Resp: 14897

Ion Ratio Lower Upper

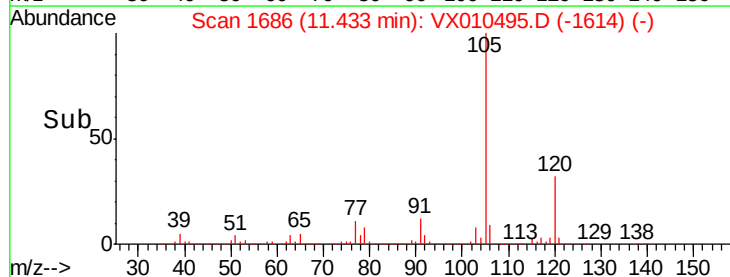
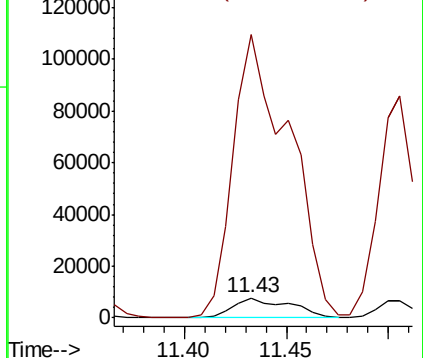
75 100

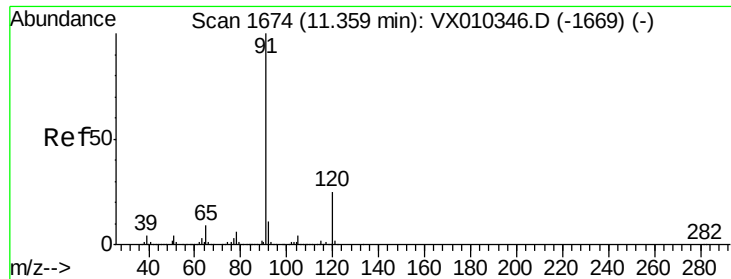
77 1405.4 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 20.742 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

Instrument :

MSVOA\_X

ClientSampleId :

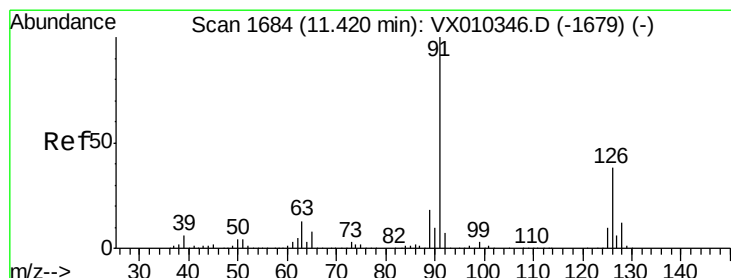
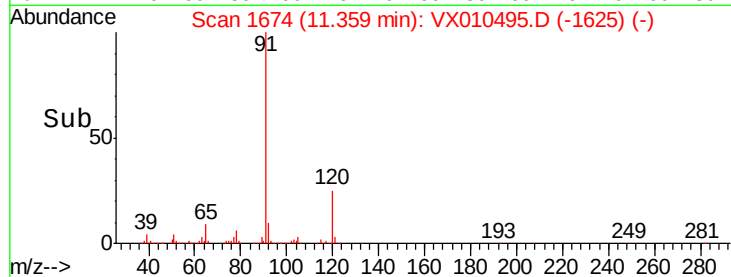
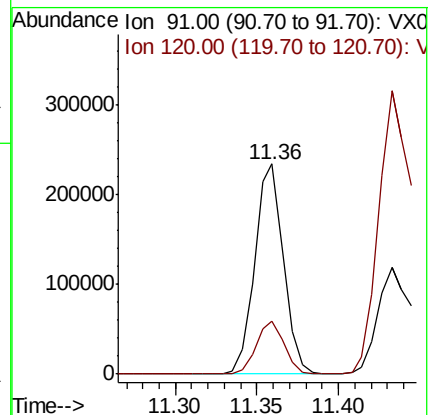
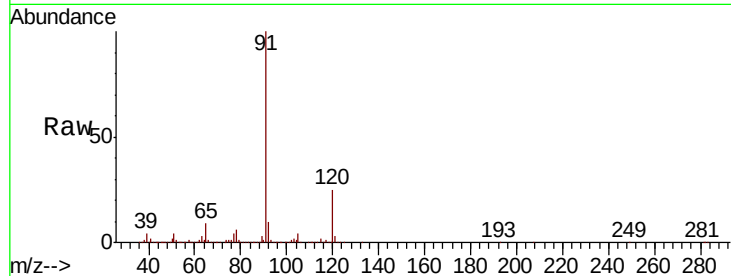
FL-0577

Tot Ion: 91 Resp: 286180

Ion Ratio Lower Upper

91 100

120 24.4 12.4 37.4



#79

2-Chlorotoluene

Concen: 27.305 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX010495.D

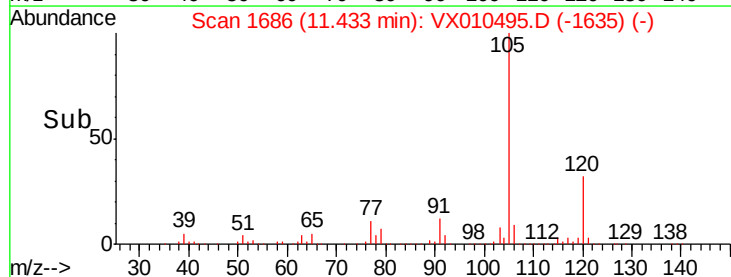
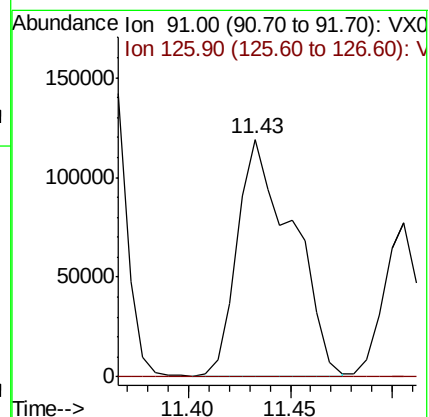
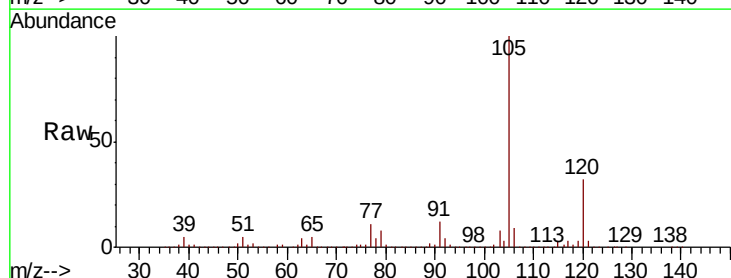
Acq: 27 Jun 2019 17:40

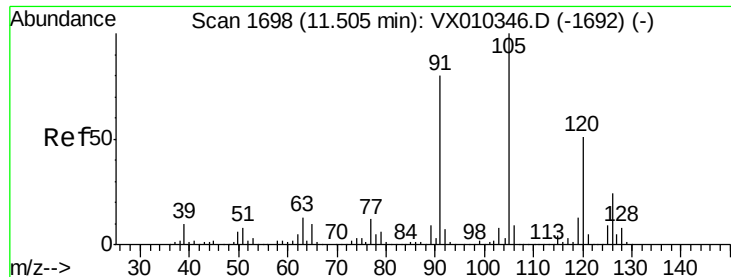
Tgt Ion: 91 Resp: 224329

Ion Ratio Lower Upper

91 100

126 0.1 18.7 56.1#





#80

1,3,5-Trimethylbenzene

Concen: 84.592 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

Instrument :

MSVOA\_X

ClientSampleId :

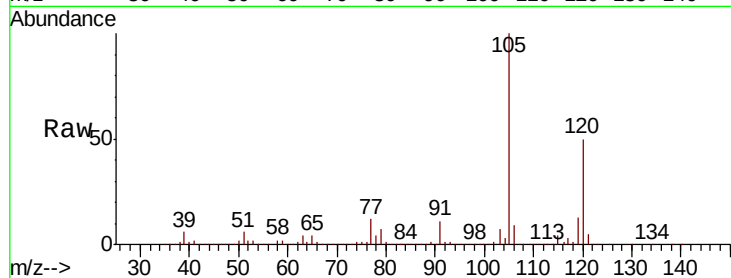
FL-0577

Tot Ion:105 Resp: 875445

Ion Ratio Lower Upper

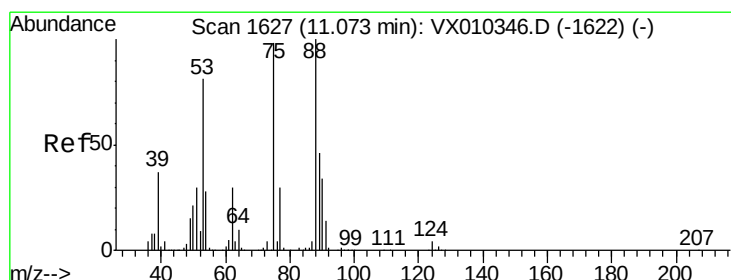
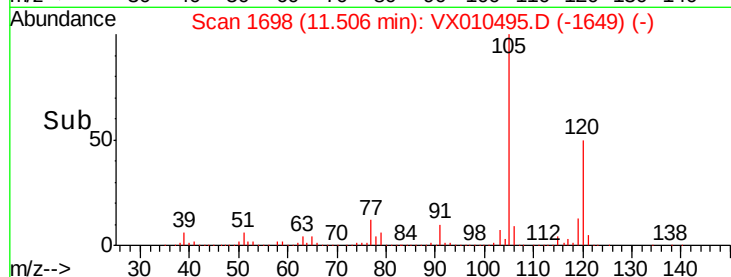
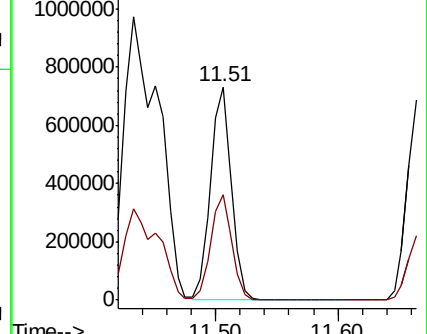
105 100

120 49.8 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 55.830 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

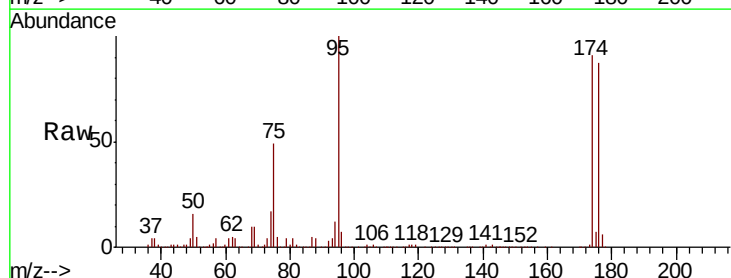
Tgt Ion: 75 Resp: 80761

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

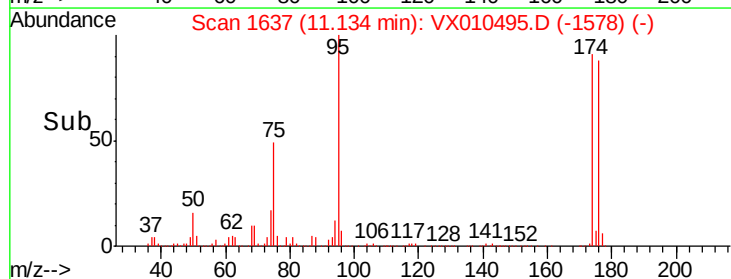
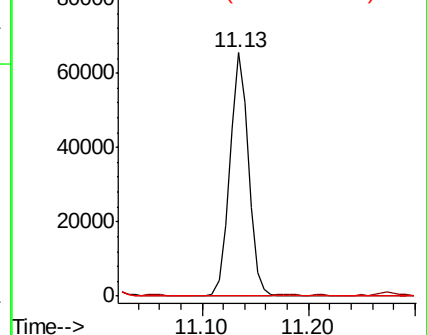
89 0.0 37.8 56.6#



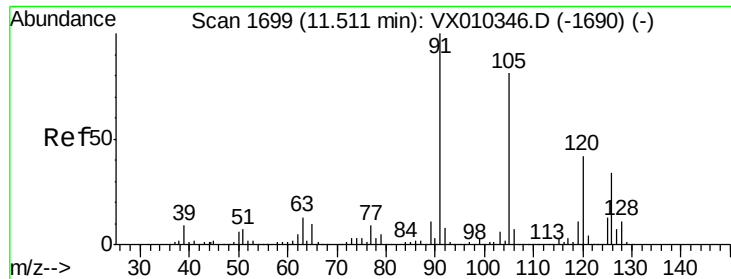
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0







#82

4-Chlorotoluene

Concen: 9.716 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

Instrument :

MSVOA\_X

ClientSampleId :

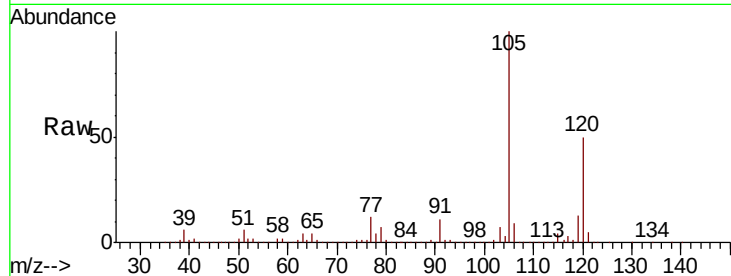
FL-0577

Tot Ion: 91 Resp: 90829

Ion Ratio Lower Upper

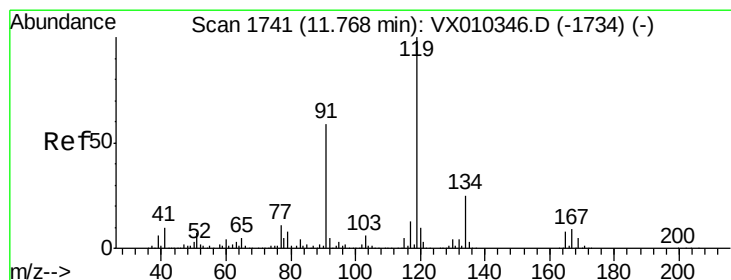
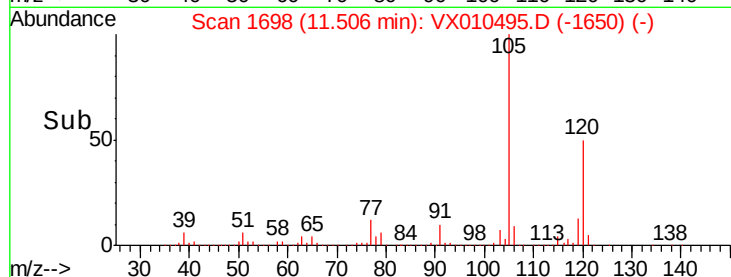
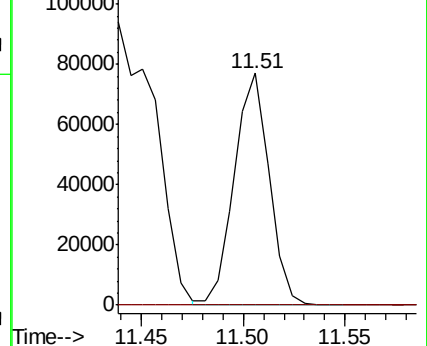
91 100

126 0.0 16.2 48.6#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#83

tert-Butylbenzene

Concen: 0.950 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

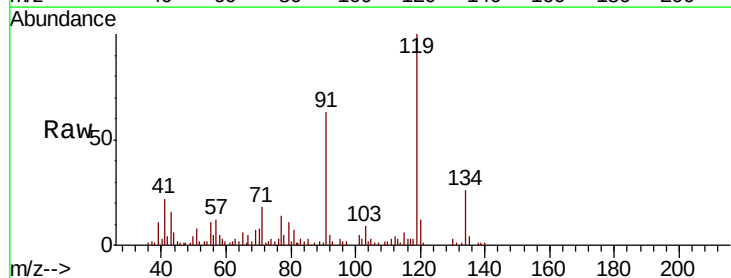
Tgt Ion: 119 Resp: 9866

Ion Ratio Lower Upper

119 100

91 66.3 27.6 82.7

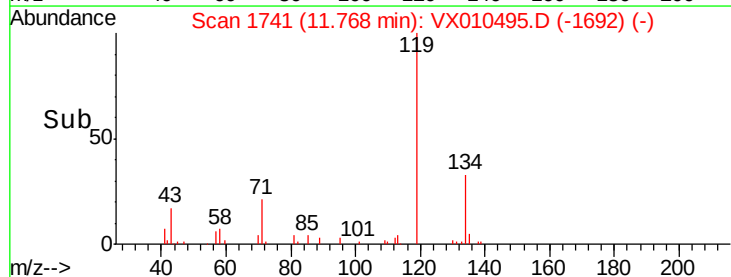
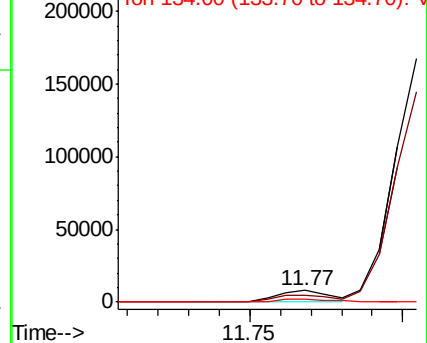
134 27.5 11.8 35.4

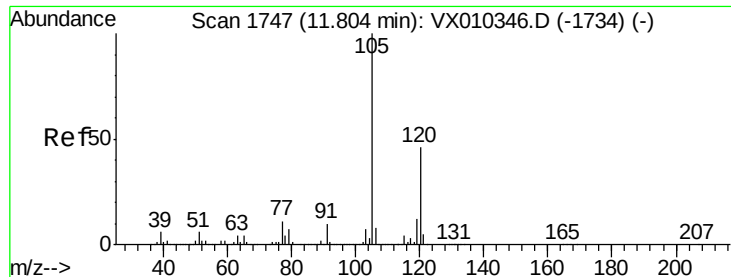


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V





#84

1,2,4-Trimethylbenzene

Concen: 153.429 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

Instrument :

MSVOA\_X

ClientSampleId :

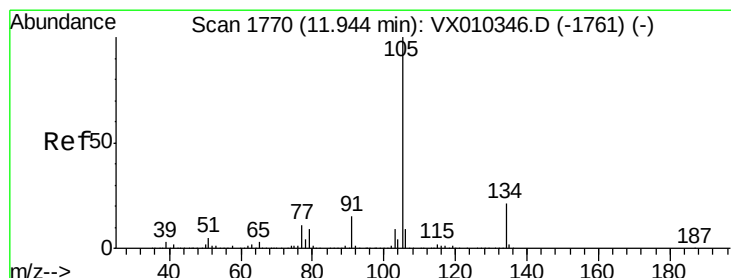
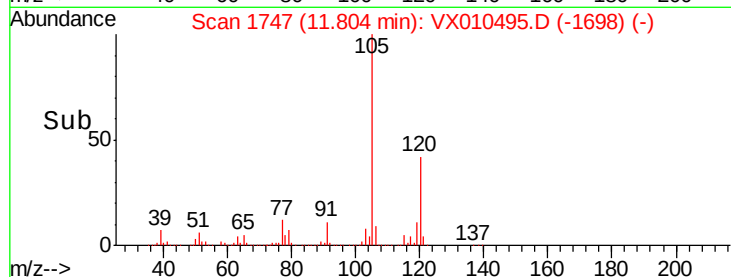
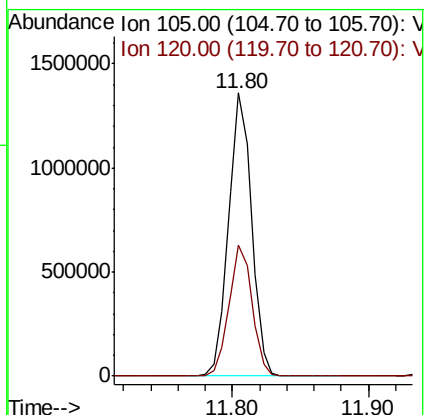
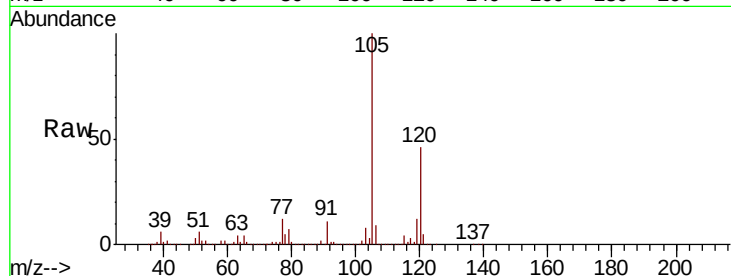
FL-0577

Tot Ion:105 Resp: 1595290

Ion Ratio Lower Upper

105 100

120 46.5 23.1 69.2



#85

sec-Butylbenzene

Concen: 130.805 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.14 min

Lab File: VX010495.D

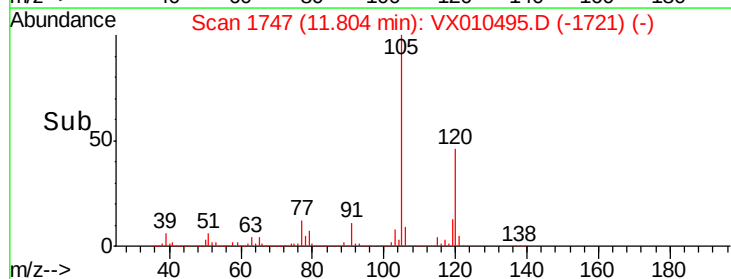
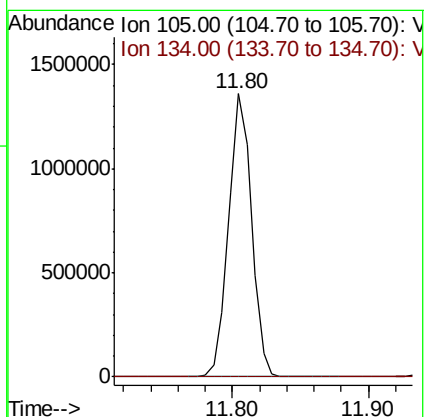
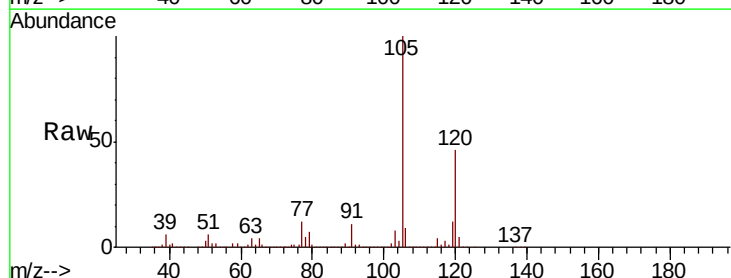
Acq: 27 Jun 2019 17:40

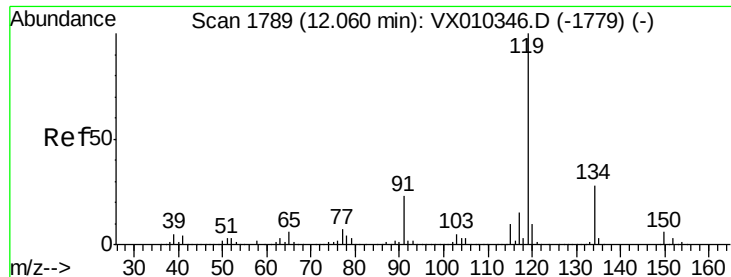
Tgt Ion:105 Resp: 1595290

Ion Ratio Lower Upper

105 100

134 0.0 10.7 31.9#

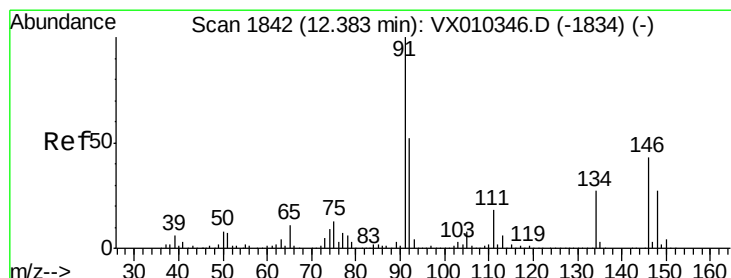
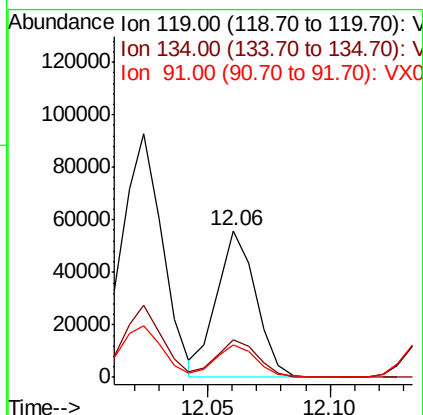
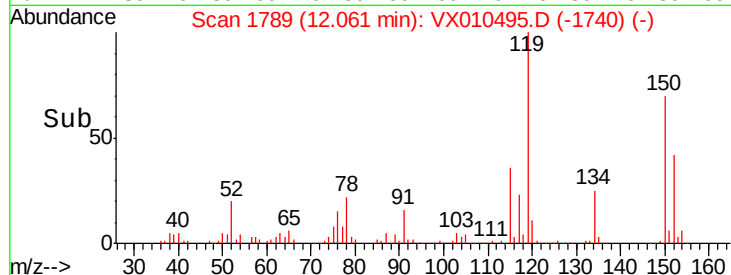
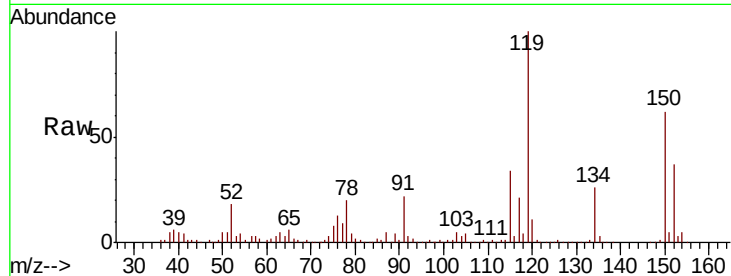




#86  
p-Isopropyltoluene  
Concen: 5.490 ug/l  
RT: 12.06 min Scan# 1789  
Delta R.T. 0.00 min  
Lab File: VX010495.D  
Acq: 27 Jun 2019 17:40

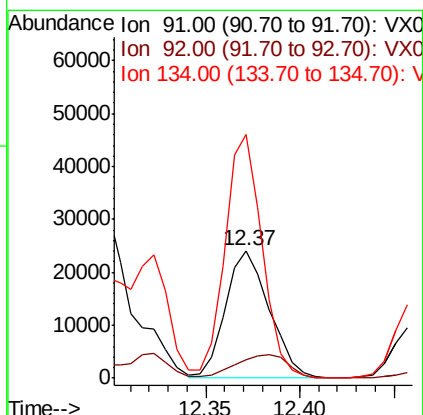
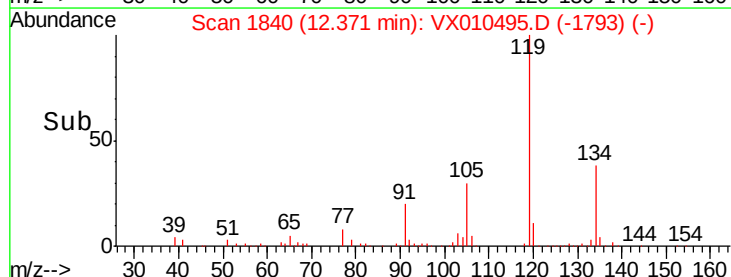
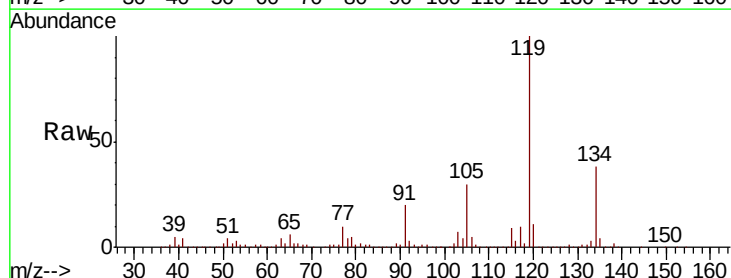
Instrument :  
MSVOA\_X  
ClientSampleId :  
FL-0577

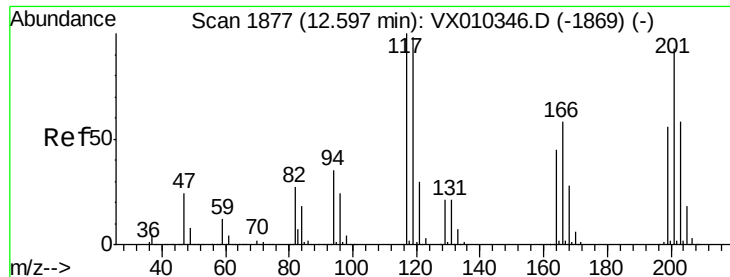
Tot Ion:119 Resp: 61936  
Ion Ratio Lower Upper  
119 100  
134 27.7 13.7 41.1  
91 22.8 11.3 33.8



#89  
n-Butylbenzene  
Concen: 4.007 ug/l  
RT: 12.37 min Scan# 1840  
Delta R.T. -0.01 min  
Lab File: VX010495.D  
Acq: 27 Jun 2019 17:40

Tgt Ion: 91 Resp: 38408  
Ion Ratio Lower Upper  
91 100  
92 22.3 26.2 78.5#  
134 163.3 14.1 42.4#





#90

Hexachloroethane

Concen: 7.717 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

Instrument :

MSVOA\_X

ClientSampled :

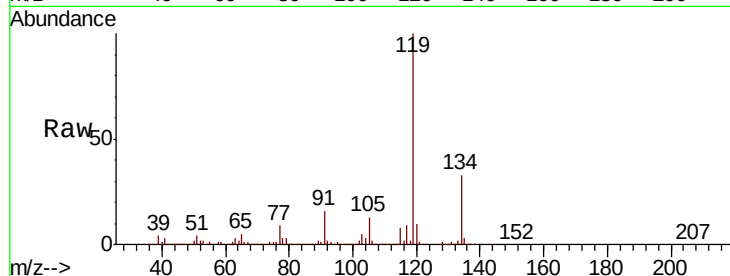
FL-0577

Tot Ion:117 Resp: 15052

Ion Ratio Lower Upper

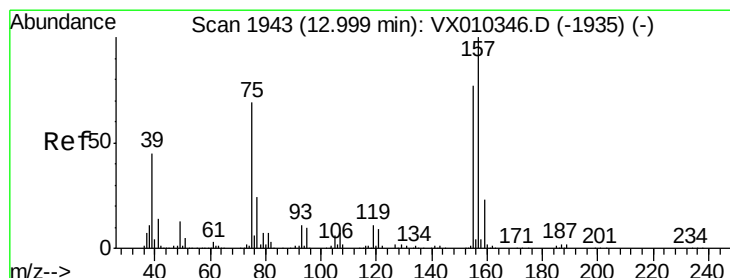
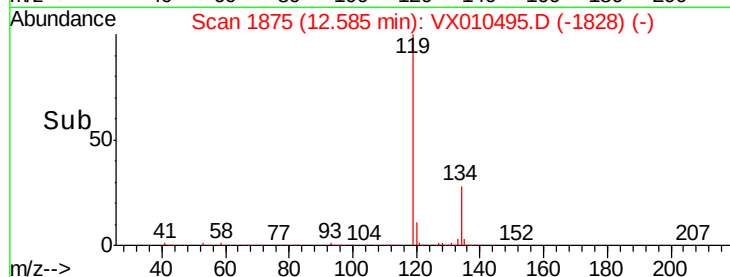
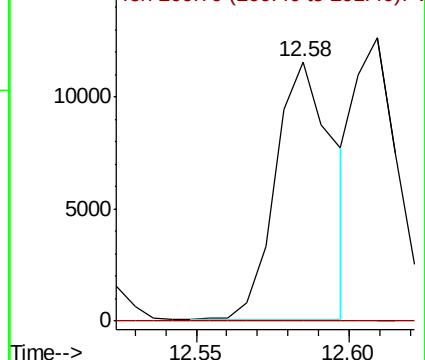
117 100

201 0.0 44.0 131.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.542 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

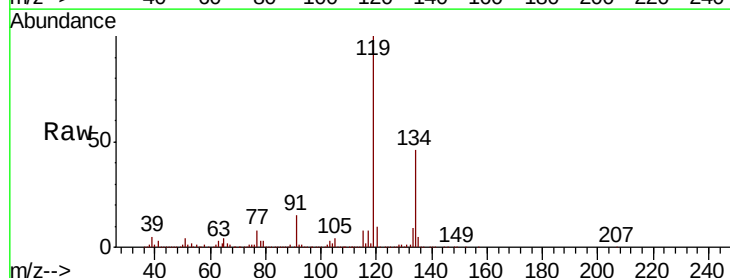
Tgt Ion: 75 Resp: 1382

Ion Ratio Lower Upper

75 100

155 0.0 54.4 163.1#

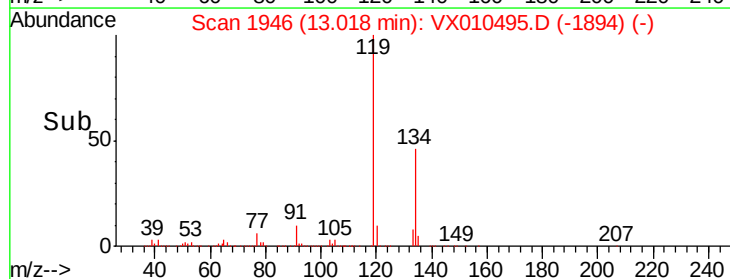
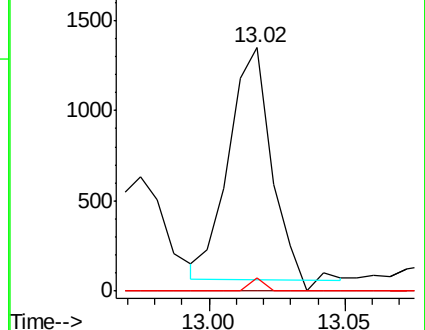
157 1.9 69.5 208.3#

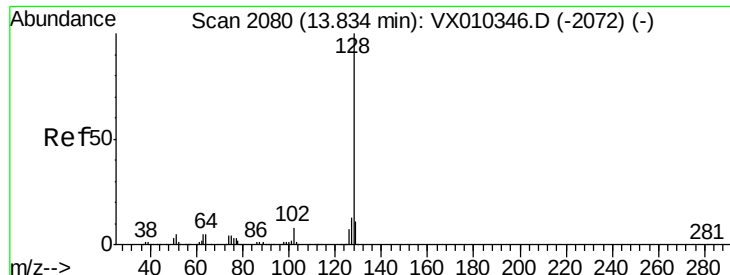


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

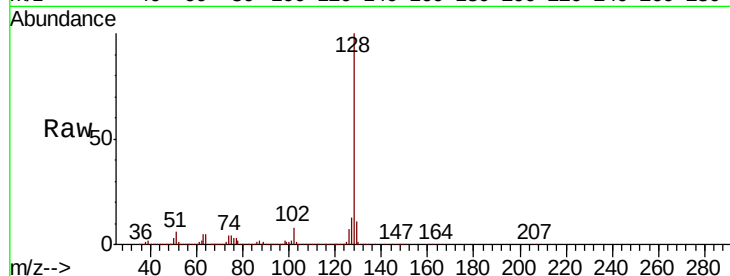




#95  
Naphthalene  
Concen: 45.999 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. 0.00 min  
Lab File: VX010495.D  
Acq: 27 Jun 2019 17:40

Instrument :  
MSVOA\_X  
ClientSampleId :  
FL-0577

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.1  | 10.2  | 15.4  |
| 129     | 11.2  | 8.9   | 13.3  |



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

