

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042320\  
 Data File : VX015912.D  
 Acq On : 24 Apr 2020 00:11  
 Operator : JC/SP  
 Sample : L2362-05  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 31005

Quant Time: Apr 24 03:41:34 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042220W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 23 04:36:12 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.64  | 168  | 846745   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.84  | 114  | 1286986  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 1251063  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 727250   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.04   | 65  | 476203   | 49.45 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.90%  |      |
| 35) Dibromofluoromethane  | 5.47   | 113 | 378630   | 50.97 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.94% |      |
| 50) Toluene-d8            | 8.70   | 98  | 1555277  | 52.01 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.02% |      |
| 62) 4-Bromofluorobenzene  | 11.12  | 95  | 657560   | 53.60 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.20% |      |

## Target Compounds

|                              |       |     |         |          |        | Qvalue |
|------------------------------|-------|-----|---------|----------|--------|--------|
| 8) Diethyl Ether             | 2.17  | 74  | 3874    | 0.896    | ug/l   | 52     |
| 11) Tert butyl alcohol       | 3.00  | 59  | 7779    | 3.953    | ug/l # | 81     |
| 13) Acrolein                 | 2.28  | 56  | 6697    | 5.752    | ug/l   | 89     |
| 14) Allyl chloride           | 2.69  | 41  | 8855    | 0.562    | ug/l # | 28     |
| 15) Acrylonitrile            | 3.12  | 53  | 5020    | 1.099    | ug/l # | 87     |
| 16) Acetone                  | 2.42  | 43  | 6694692 | 1596.498 | ug/l   | 99     |
| 17) Carbon Disulfide         | 2.55  | 76  | 25175   | 0.935    | ug/l # | 92     |
| 18) Methyl Acetate           | 2.75  | 43  | 17926   | 1.295    | ug/l   | 94     |
| 20) Methylene Chloride       | 2.84  | 84  | 39719   | 4.666    | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene | 3.14  | 96  | 2677    | 0.325    | ug/l # | 58     |
| 25) 2-Butanone               | 4.64  | 43  | 380873  | 57.464   | ug/l   | 99     |
| 29) Tetrahydrofuran          | 5.11  | 42  | 5342    | 1.219    | ug/l # | 73     |
| 36) 1,1-Dichloropropene      | 5.64  | 75  | 55817   | 4.892    | ug/l # | 54     |
| 37) Ethyl Acetate            | 4.64  | 43  | 380873  | 28.049   | ug/l # | 69     |
| 38) Carbon Tetrachloride     | 5.63  | 117 | 75797   | 6.744    | ug/l # | 15     |
| 39) Methylcyclohexane        | 7.45  | 83  | 4206    | 0.291    | ug/l # | 33     |
| 40) Benzene                  | 6.12  | 78  | 10668   | 0.310    | ug/l # | 88     |
| 43) Isopropyl Acetate        | 6.42  | 43  | 239404  | 10.452   | ug/l   | 98     |
| 48) Methyl methacrylate      | 7.85  | 41  | 334686  | 29.705   | ug/l # | 46     |
| 49) 1,4-Dioxane              | 7.75  | 88  | 266     | 1.249    | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone     | 8.60  | 43  | 239375  | 18.106   | ug/l # | 37     |
| 52) Toluene                  | 8.77  | 92  | 6331388 | 287.448  | ug/l   | 96     |
| 53) t-1,3-Dichloropropene    | 8.77  | 75  | 74965   | 5.166    | ug/l # | 1      |
| 54) cis-1,3-Dichloropropene  | 8.60  | 75  | 75175   | 4.902    | ug/l # | 54     |
| 59) 2-Hexanone               | 9.48  | 43  | 13474   | 1.338    | ug/l   | 90     |
| 67) Ethyl Benzene            | 10.24 | 91  | 19585   | 0.446    | ug/l   | 95     |
| 68) m/p-Xylenes              | 10.34 | 106 | 21268   | 1.290    | ug/l   | 99     |
| 69) o-Xylene                 | 10.68 | 106 | 17981   | 1.108    | ug/l   | 92     |
| 73) Isopropylbenzene         | 11.00 | 105 | 13574   | 0.294    | ug/l   | 92     |
| 74) N-amyl acetate           | 10.89 | 43  | 18931   | 0.794    | ug/l # | 19     |
| 76) 1,2,3-Trichloropropane   | 11.12 | 75  | 321577  | 23.253   | ug/l # | 35     |
| 78) n-propylbenzene          | 11.34 | 91  | 42020   | 0.794    | ug/l   | 95     |
| 79) 2-Chlorotoluene          | 11.42 | 91  | 21020   | 0.661    | ug/l # | 50     |
| 80) 1,3,5-Trimethylbenzene   | 11.49 | 105 | 93077   | 2.363    | ug/l   | 98     |

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Instrument :  
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 Quant Title : SW846 8260  
 QLast Update : Thu Apr 23 04:36:12 2020  
 Response via : Initial Calibration

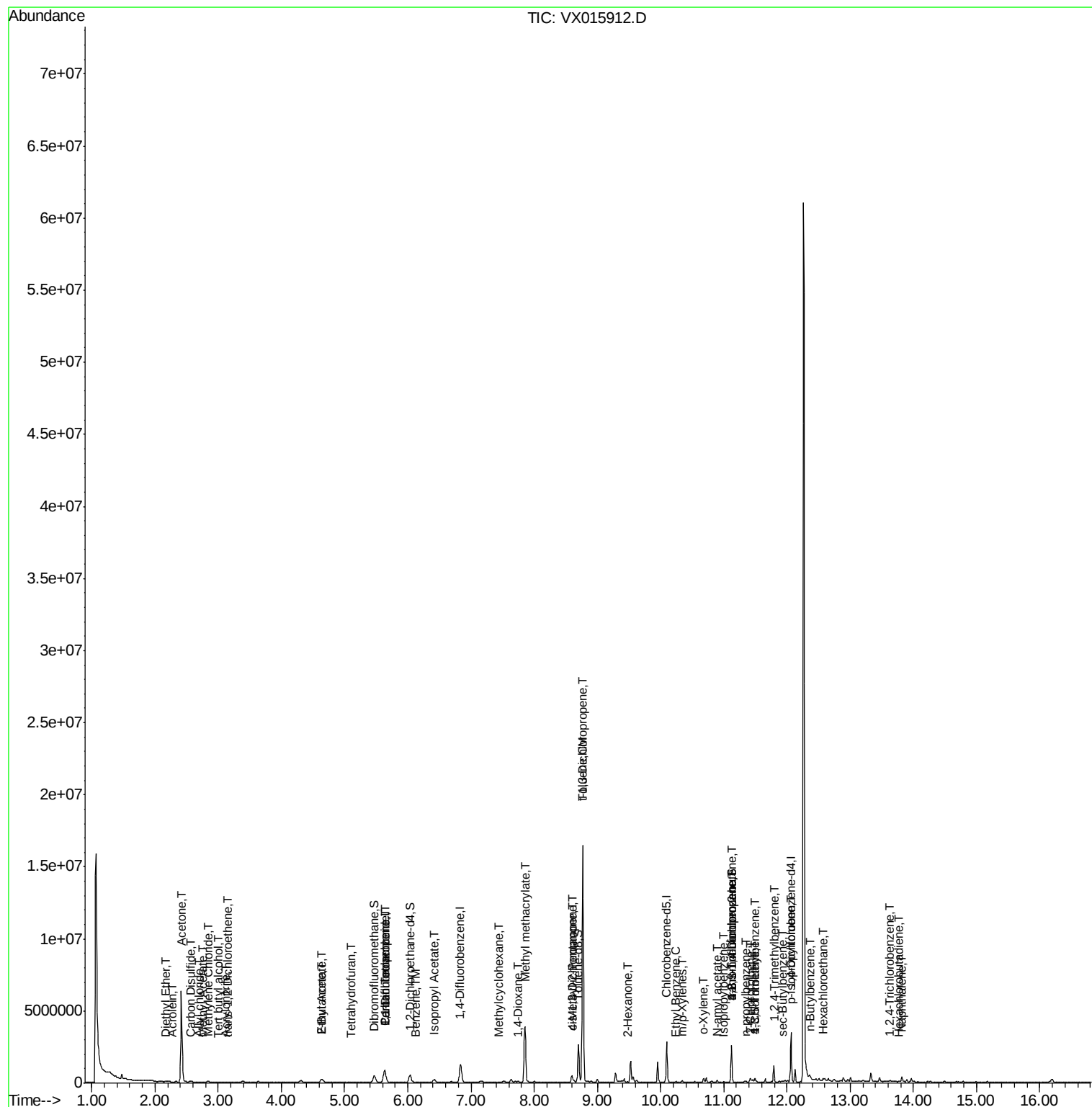
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 81) trans-1,4-Dichloro-2-buten | 11.12 | 75   | 321577   | 55.937 | ug/l # | 12       |
| 82) 4-Chlorotoluene            | 11.49 | 91   | 11816    | 0.313  | ug/l # | 65       |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 488269   | 11.942 | ug/l   | 98       |
| 85) sec-Butylbenzene           | 11.93 | 105  | 20164    | 0.438  | ug/l # | 63       |
| 86) p-Isopropyltoluene         | 12.05 | 119  | 23028    | 0.535  | ug/l   | 83       |
| 89) n-Butylbenzene             | 12.37 | 91   | 40009    | 1.039  | ug/l # | 48       |
| 90) Hexachloroethane           | 12.57 | 117  | 5070     | 1.115  | ug/l # | 19       |
| 93) 1,2,4-Trichlorobenzene     | 13.63 | 180  | 3607     | 0.208  | ug/l # | 76       |
| 94) Hexachlorobutadiene        | 13.77 | 225  | 2053     | 0.264  | ug/l   | 86       |
| 95) Naphthalene                | 13.82 | 128  | 210011   | 4.217  | ug/l   | 98       |

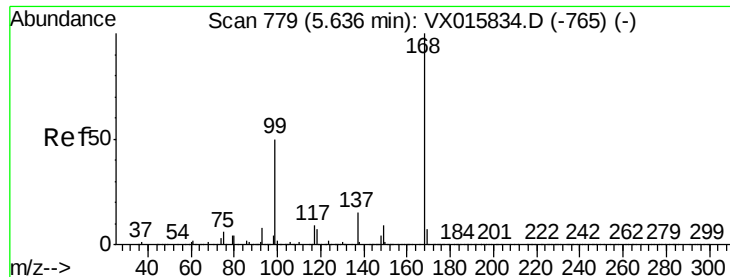
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042320\  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.00 min

Lab File: VX015912.D

Acq: 24 Apr 2020 00:11

Instrument :

MSVOA\_X

ClientSampleId :

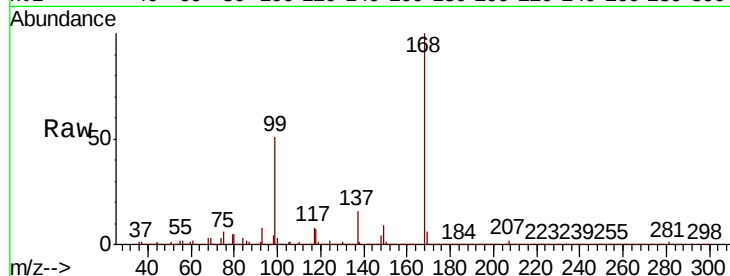
31005

Tot Ion:168 Resp: 846745

Ion Ratio Lower Upper

168 100

99 50.5 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

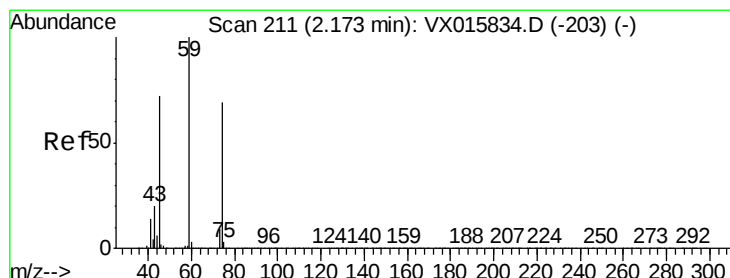
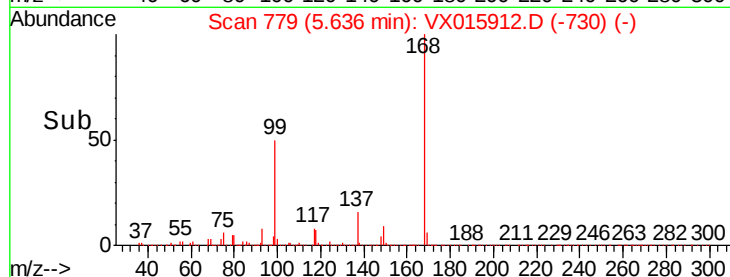
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 0.896 ug/l

RT: 2.17 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX015912.D

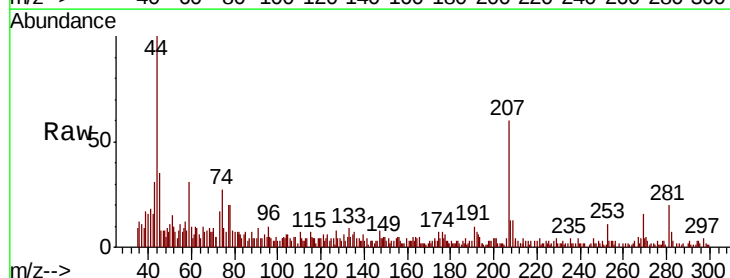
Acq: 24 Apr 2020 00:11

Tgt Ion: 74 Resp: 3874

Ion Ratio Lower Upper

74 100

45 58.1 53.8 161.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.17

3000

2500

2000

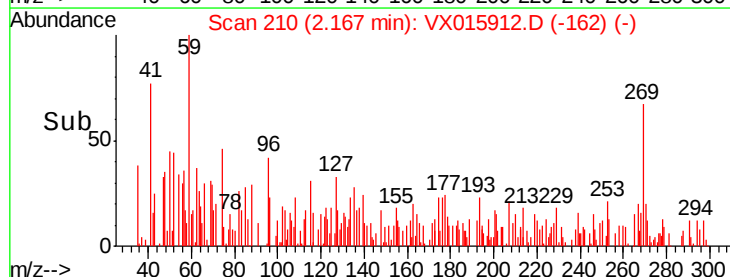
1500

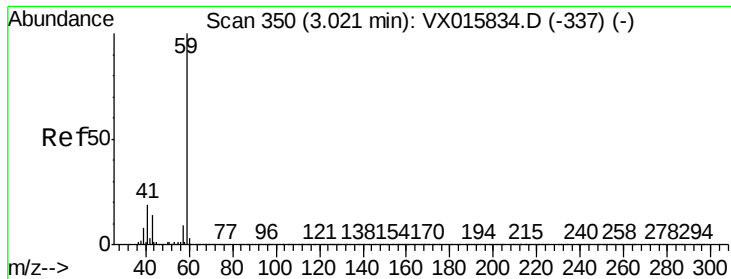
1000

500

0

Time-->

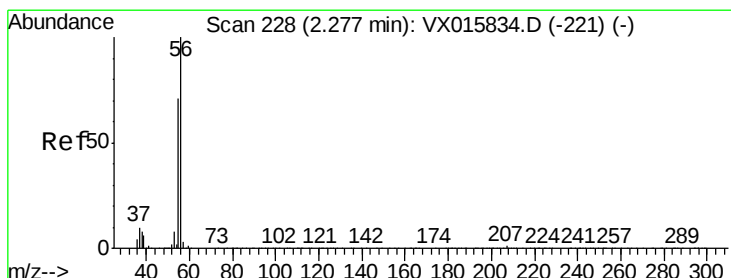
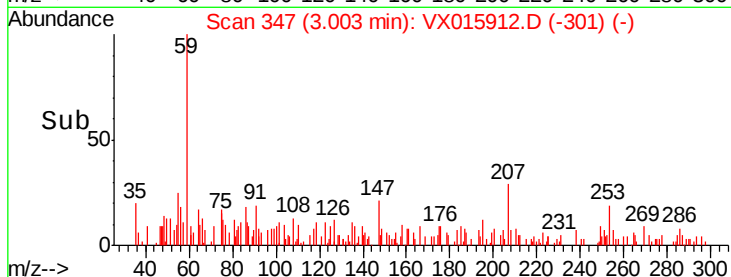
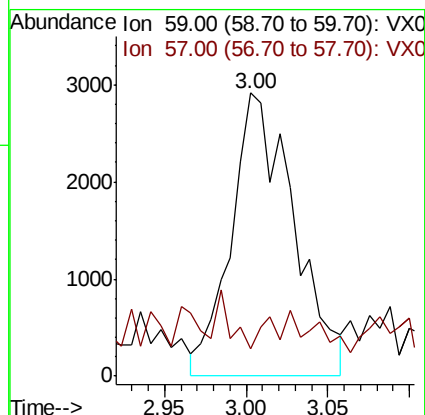
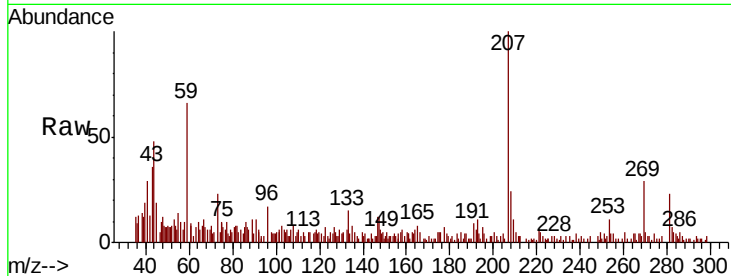




#11  
Tert butyl alcohol  
Concen: 3.953 ug/l  
RT: 3.00 min Scan# 347  
Delta R.T. -0.02 min  
Lab File: VX015912.D  
Acq: 24 Apr 2020 00:11

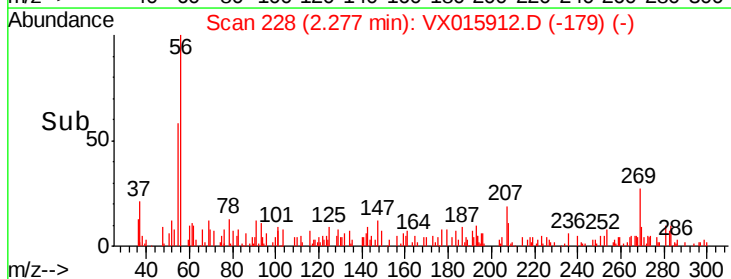
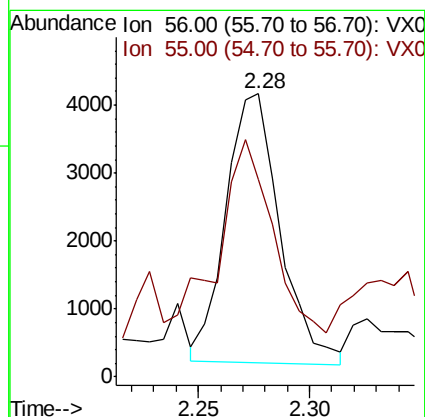
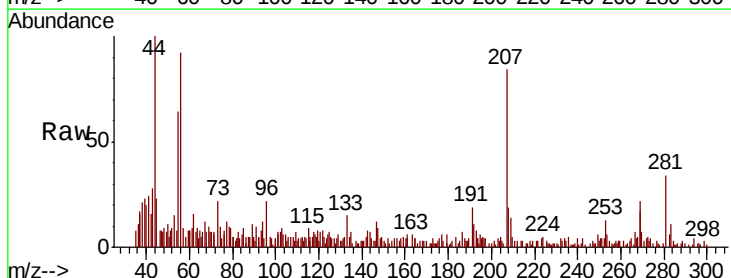
Instrument :  
MSVOA\_X  
ClientSampleId :  
31005

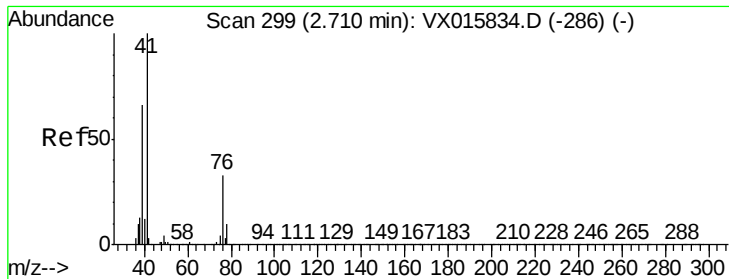
Tot Ion: 59 Resp: 7779  
Ion Ratio Lower Upper  
59 100  
57 3.0 8.2 12.2#



#13  
Acrolein  
Concen: 5.752 ug/l  
RT: 2.28 min Scan# 228  
Delta R.T. 0.00 min  
Lab File: VX015912.D  
Acq: 24 Apr 2020 00:11

Tgt Ion: 56 Resp: 6697  
Ion Ratio Lower Upper  
56 100  
55 79.3 56.1 84.1





#14

Allvl chloride

Concen: 0.562 ug/l

RT: 2.69 min Scan# 295

Delta R.T. -0.02 min

Lab File: VX015912.D

Acq: 24 Apr 2020 00:11

Instrument :

MSVOA\_X

ClientSampleId :

31005

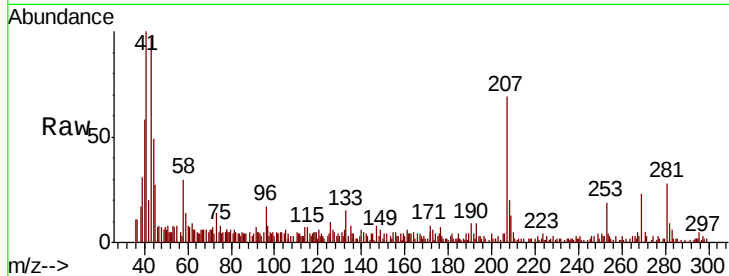
Tot Ion: 41 Resp: 8855

Ion Ratio Lower Upper

41 100

39 0.0 48.4 72.6#

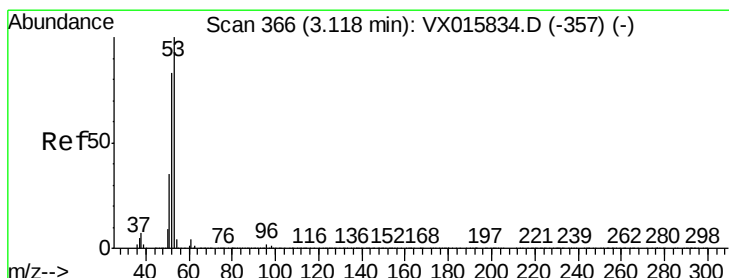
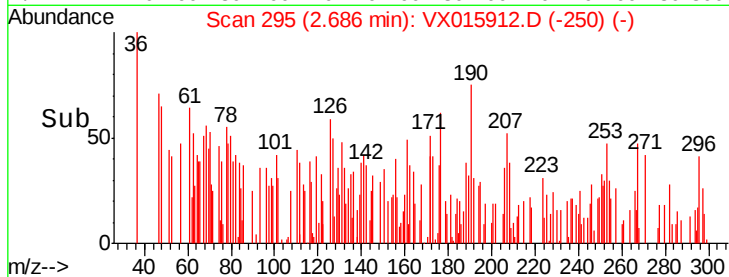
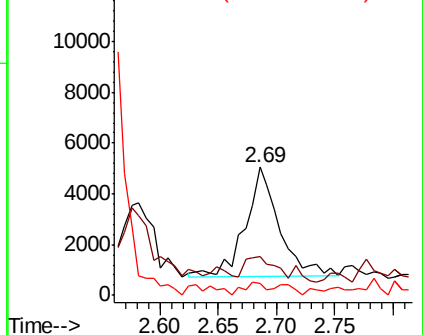
76 0.0 23.8 35.8#



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: 1.099 ug/l

RT: 3.12 min Scan# 366

Delta R.T. 0.00 min

Lab File: VX015912.D

Acq: 24 Apr 2020 00:11

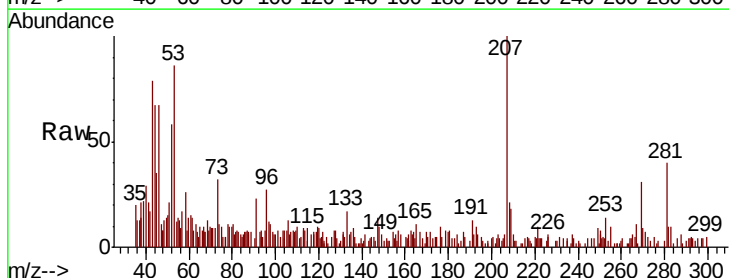
Tgt Ion: 53 Resp: 5020

Ion Ratio Lower Upper

53 100

52 91.3 66.2 99.4

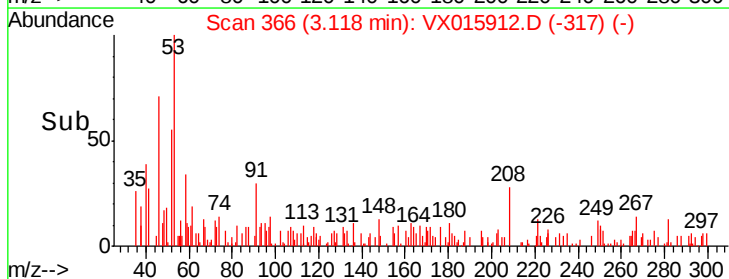
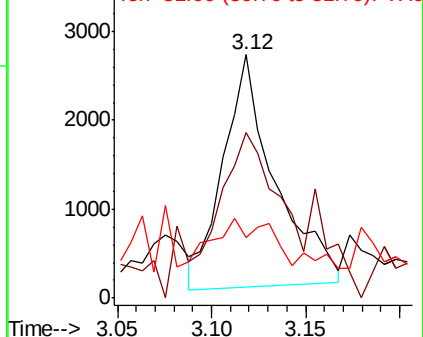
51 24.1 28.6 43.0#

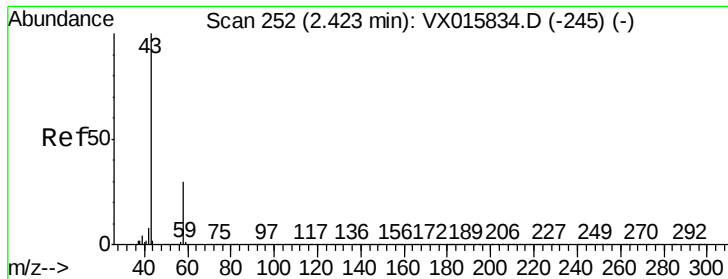


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

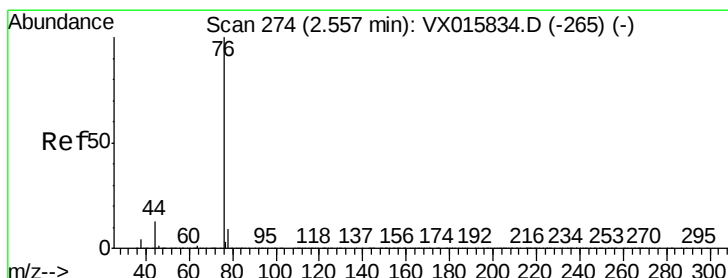
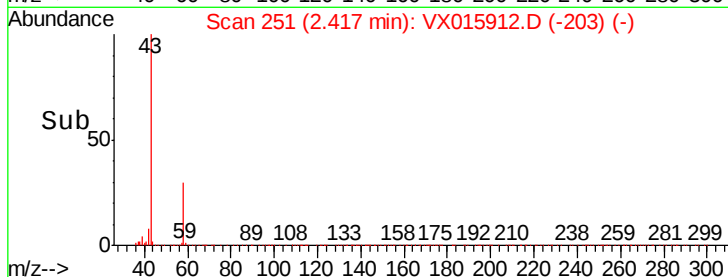
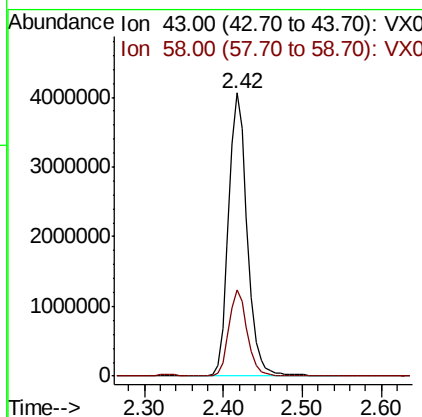
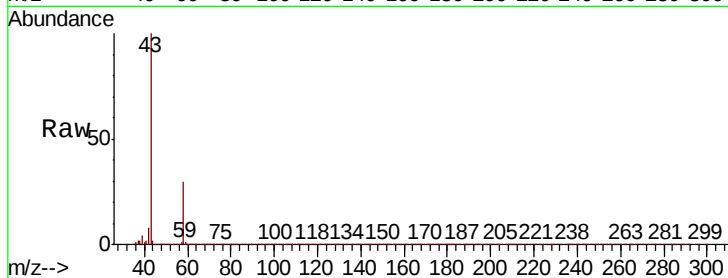




#16  
Acetone  
Concen: 1596.498 ug/l  
RT: 2.42 min Scan# 251  
Delta R.T. -0.01 min  
Lab File: VX015912.D  
Acq: 24 Apr 2020 00:11

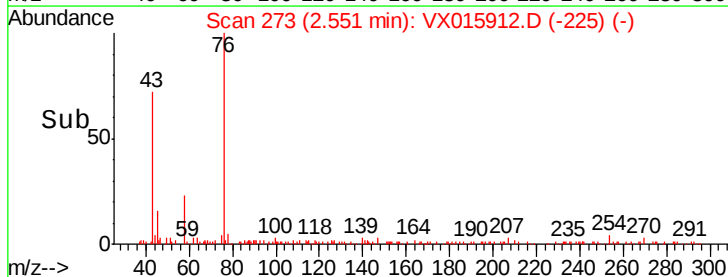
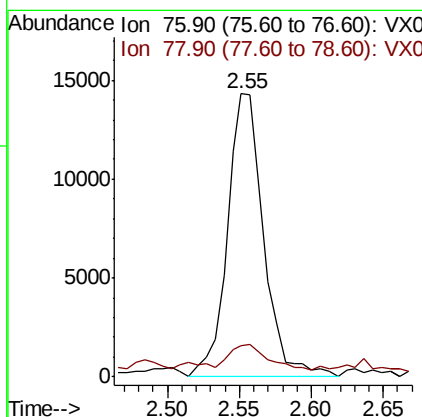
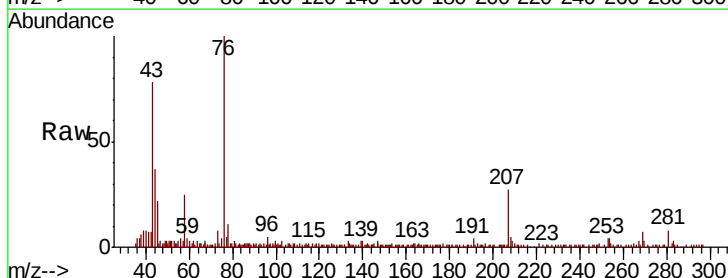
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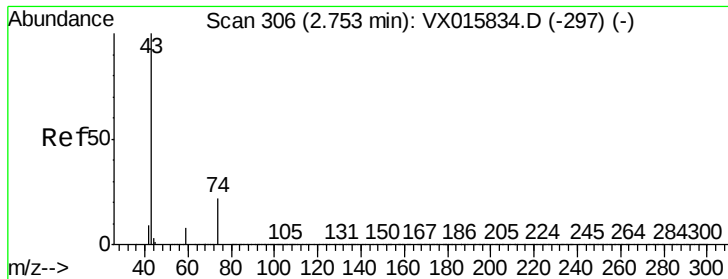
Tot Ion: 43 Resp: 6694692  
Ion Ratio Lower Upper  
43 100  
58 30.4 24.0 36.0



#17  
Carbon Disulfide  
Concen: 0.935 ug/l  
RT: 2.55 min Scan# 273  
Delta R.T. -0.01 min  
Lab File: VX015912.D  
Acq: 24 Apr 2020 00:11

Tgt Ion: 76 Resp: 25175  
Ion Ratio Lower Upper  
76 100  
78 6.4 7.4 11.2#

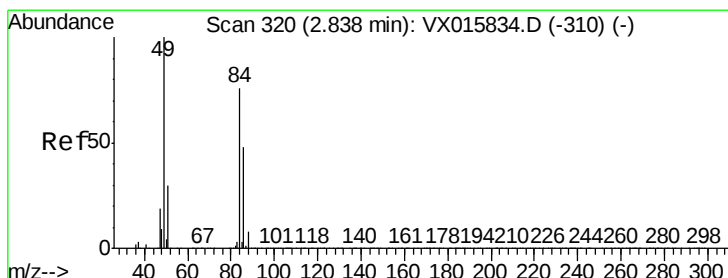
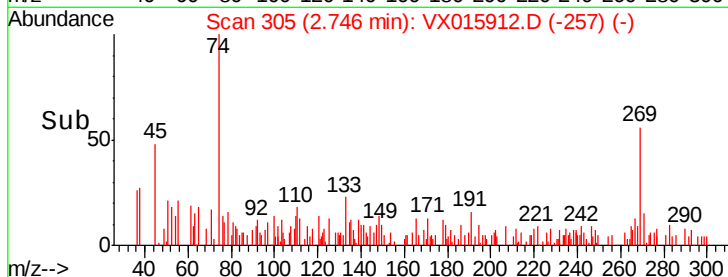
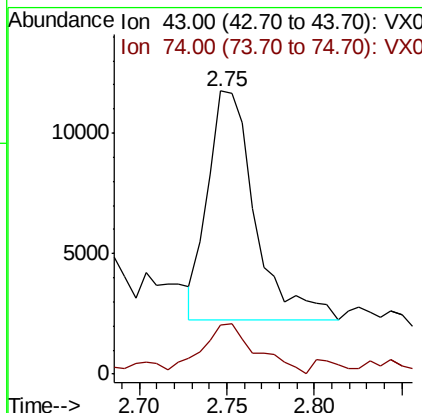
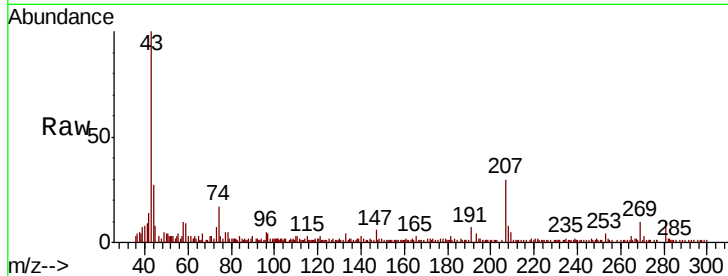




#18  
Methyl Acetate  
Concen: 1.295 ug/l  
RT: 2.75 min Scan# 305  
Delta R.T. -0.01 min  
Lab File: VX015912.D  
Acq: 24 Apr 2020 00:11

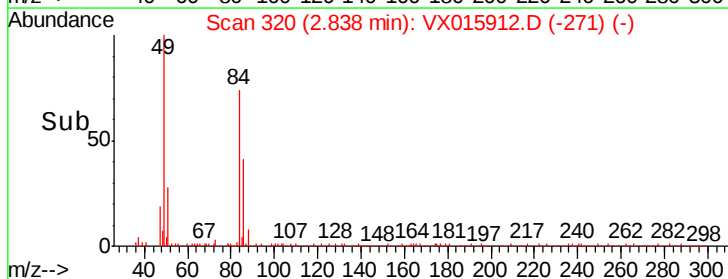
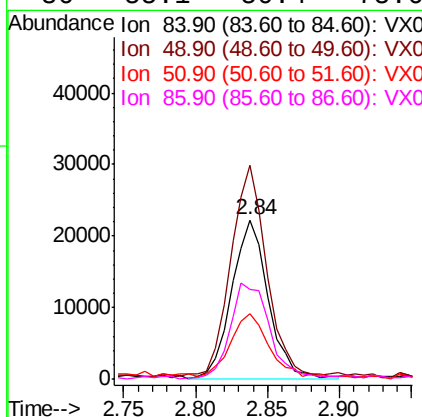
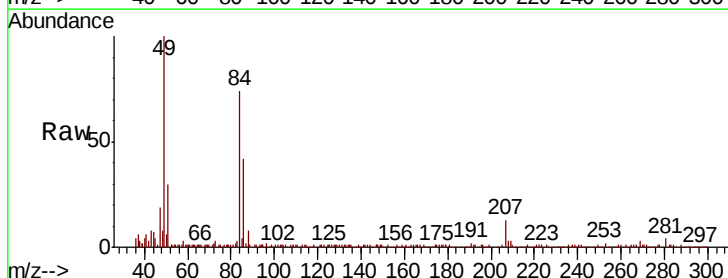
Instrument :  
MSVOA\_X  
ClientSampleId :  
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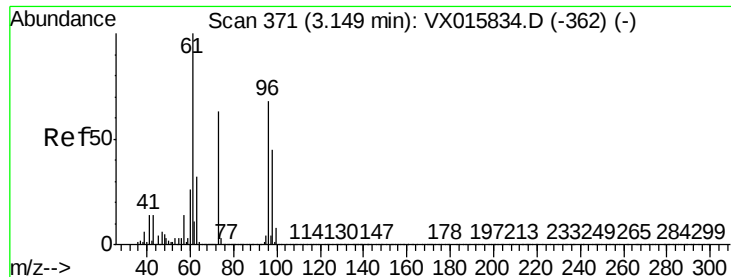
Tot Ion: 43 Resp: 17926  
Ion Ratio Lower Upper  
43 100  
74 25.3 17.9 26.9



#20  
Methylene Chloride  
Concen: 4.666 ug/l  
RT: 2.84 min Scan# 320  
Delta R.T. 0.00 min  
Lab File: VX015912.D  
Acq: 24 Apr 2020 00:11

Tgt Ion: 84 Resp: 39719  
Ion Ratio Lower Upper  
84 100  
49 131.6 104.9 157.3  
51 38.9 32.0 48.0  
86 55.1 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 0.325 ug/l

RT: 3.14 min Scan# 370

Delta R.T. -0.01 min

Lab File: VX015912.D

Acq: 24 Apr 2020 00:11

Instrument :

MSVOA\_X

ClientSampleId :

31005

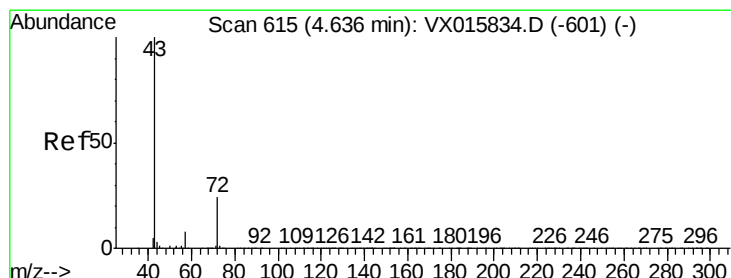
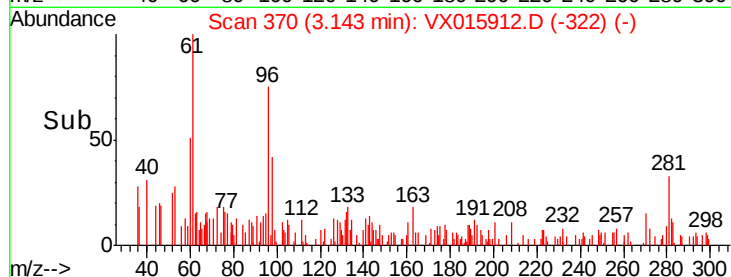
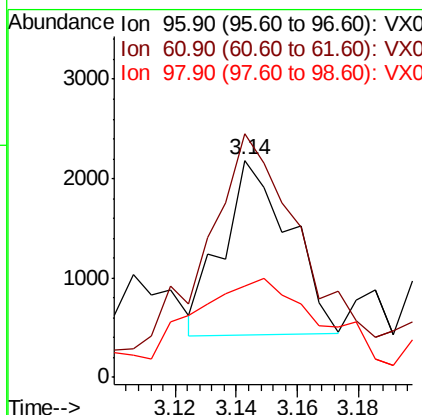
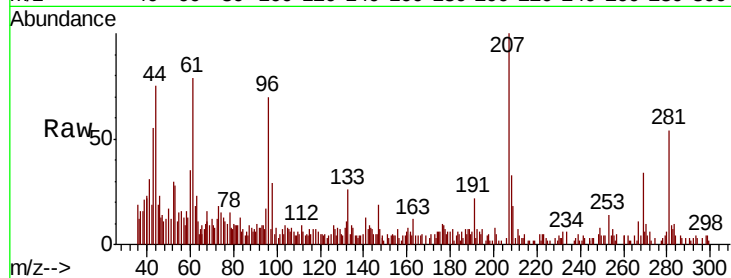
Tot Ion: 96 Resp: 2677

Ion Ratio Lower Upper

96 100

61 99.6 117.5 176.3#

98 23.9 52.7 79.1#



#25

2-Butanone

Concen: 57.464 ug/l

RT: 4.64 min Scan# 615

Delta R.T. 0.00 min

Lab File: VX015912.D

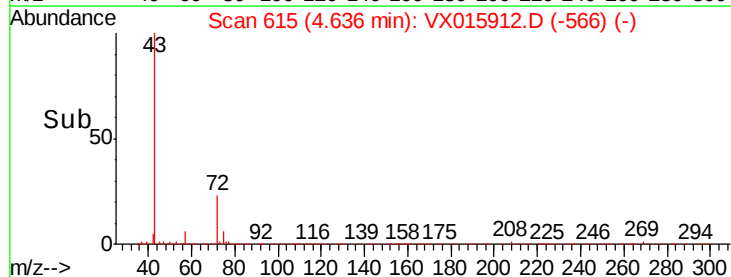
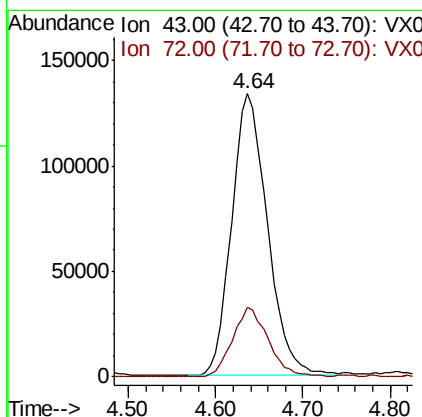
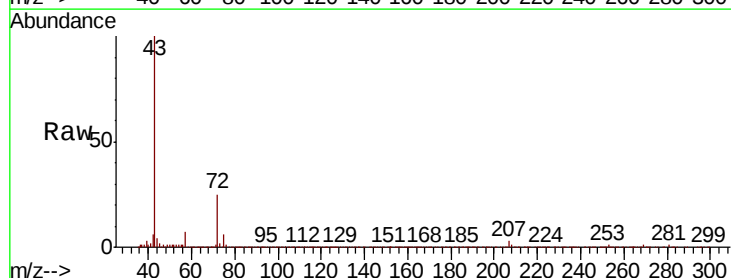
Acq: 24 Apr 2020 00:11

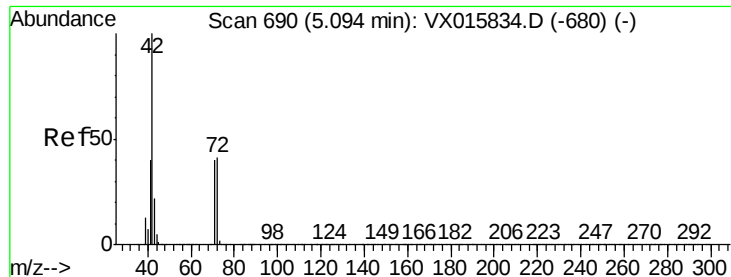
Tgt Ion: 43 Resp: 380873

Ion Ratio Lower Upper

43 100

72 24.6 19.4 29.2





#29

Tetrahydrofuran

Concen: 1.219 ug/l

RT: 5.11 min Scan# 692

Delta R.T. 0.01 min

Lab File: VX015912.D

Acq: 24 Apr 2020 00:11

Instrument :

MSVOA\_X

ClientSampleId :

31005

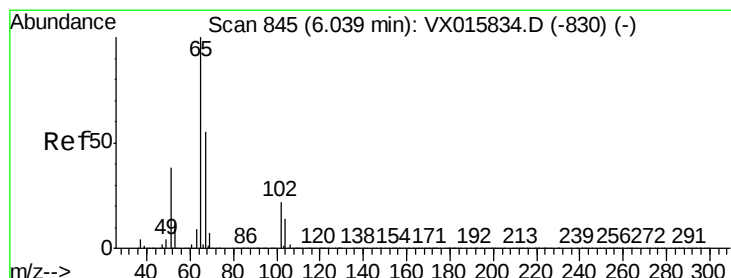
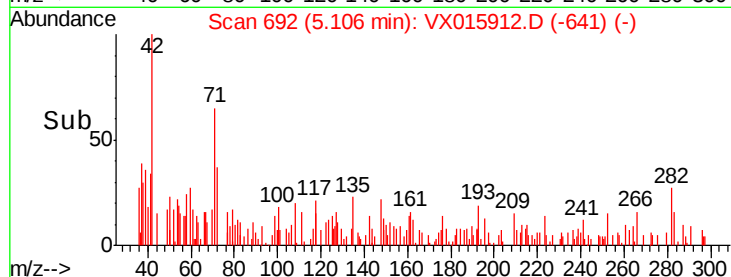
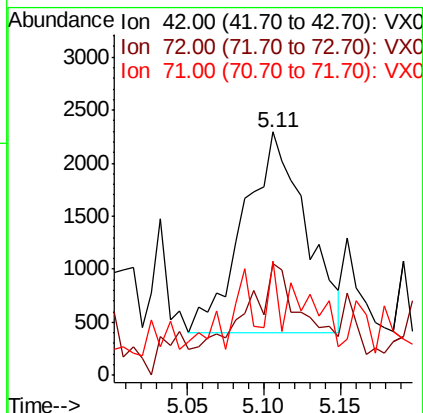
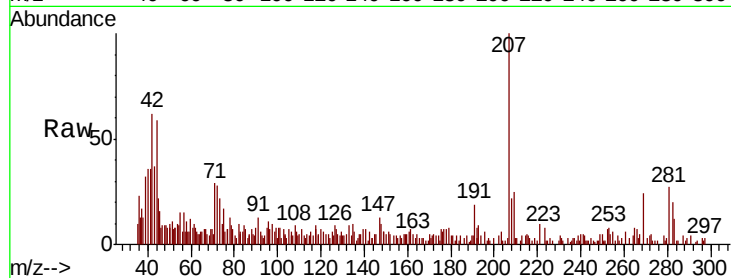
Tot Ion: 42 Resp: 5342

Ion Ratio Lower Upper

42 100

72 41.2 33.0 49.6

71 4.7 30.6 45.8#



#33

1,2-Dichloroethane-d4

Concen: 49.447 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.00 min

Lab File: VX015912.D

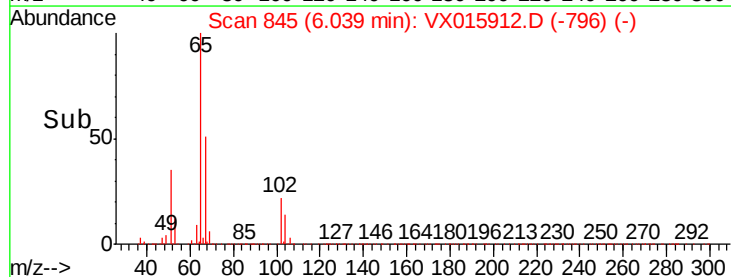
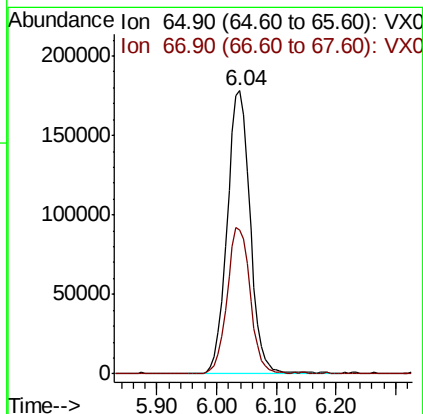
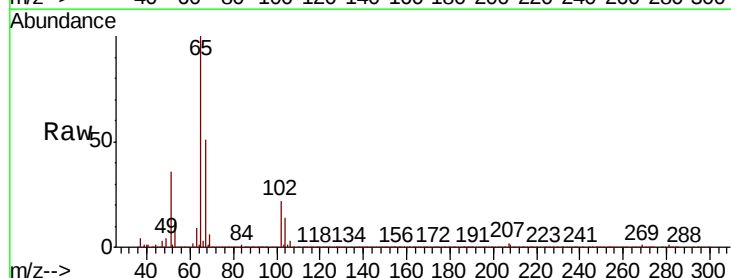
Acq: 24 Apr 2020 00:11

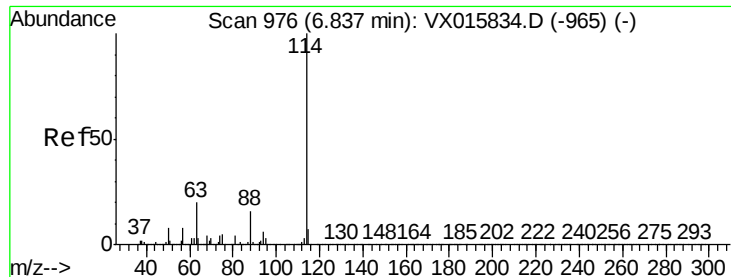
Tgt Ion: 65 Resp: 476203

Ion Ratio Lower Upper

65 100

67 51.5 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015912.D

Acq: 24 Apr 2020 00:11

Instrument :

MSVOA\_X

ClientSampleId :

31005

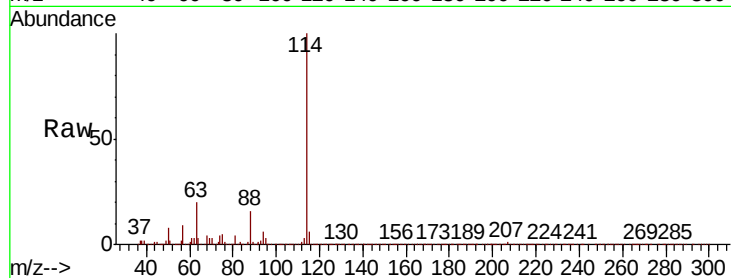
Tot Ion:114 Resp: 1286986

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.6

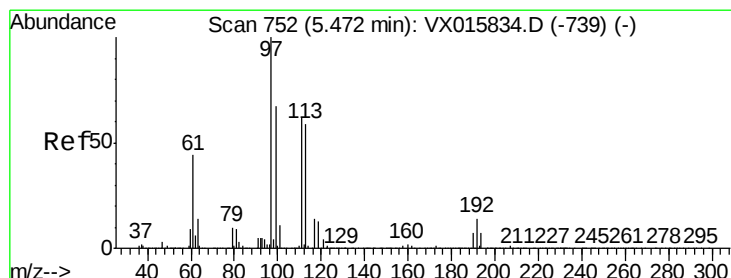
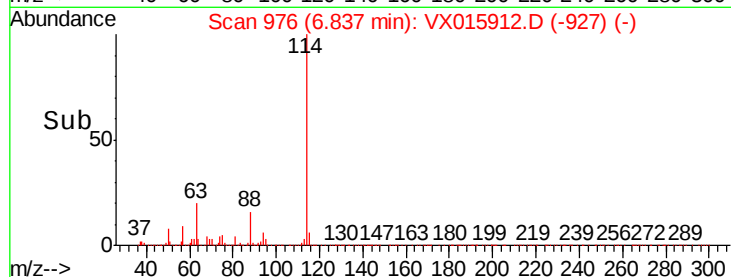
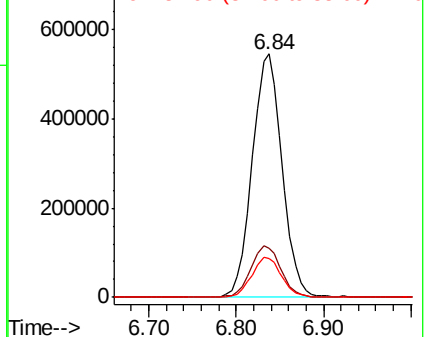
88 15.6 0.0 32.8



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: 50.968 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015912.D

Acq: 24 Apr 2020 00:11

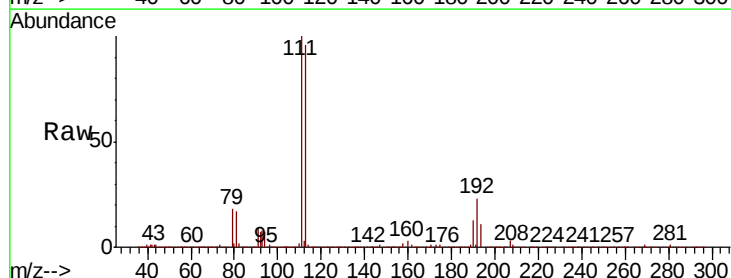
Tgt Ion:113 Resp: 378630

Ion Ratio Lower Upper

113 100

111 100.9 82.7 124.1

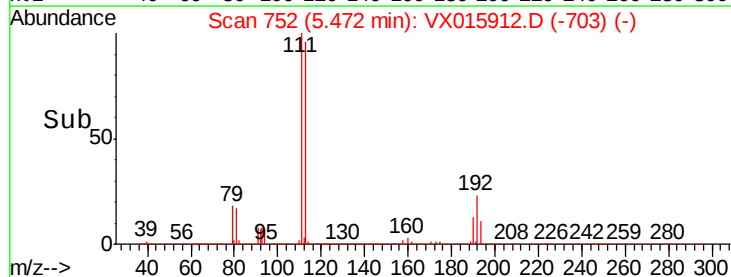
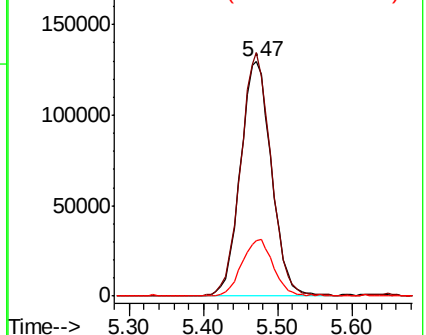
192 23.8 19.3 28.9

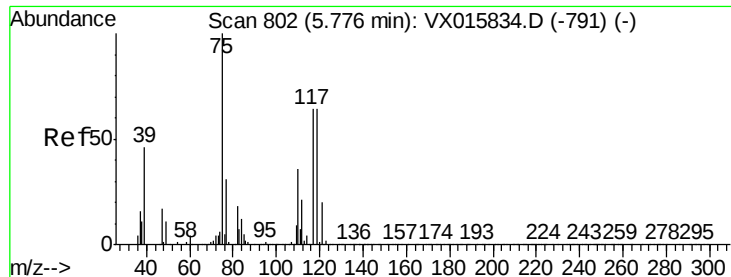


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

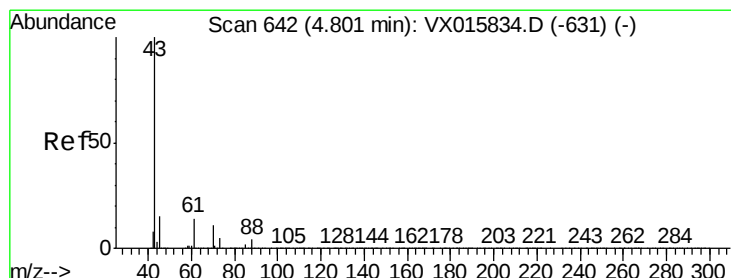
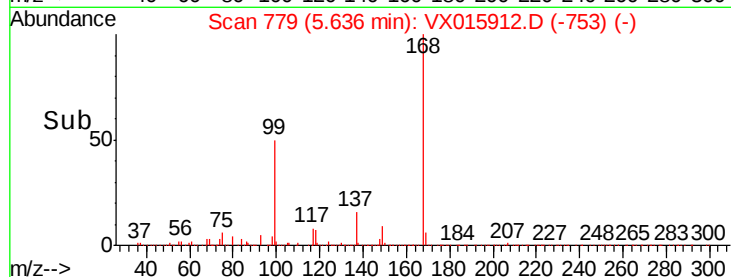
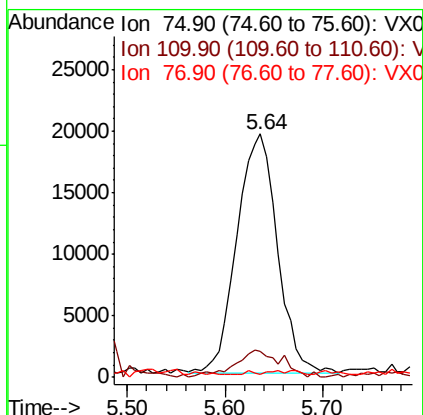
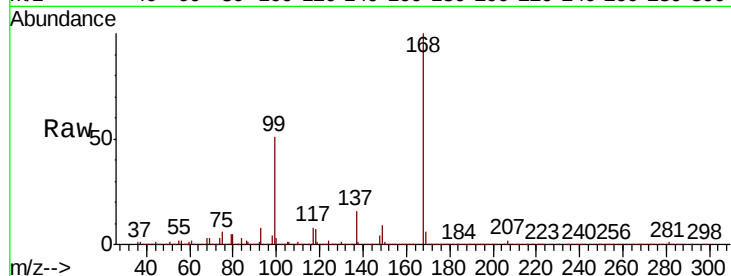




#36  
 1,1-Dichloropropene  
 Concen: 4.892 ug/l  
 RT: 5.64 min Scan# 779  
 Delta R.T. -0.14 min  
 Lab File: VX015912.D  
 Acq: 24 Apr 2020 00:11

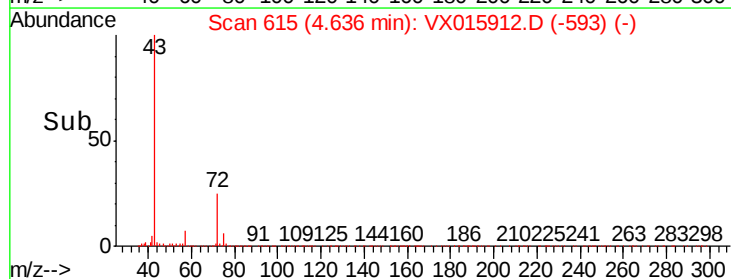
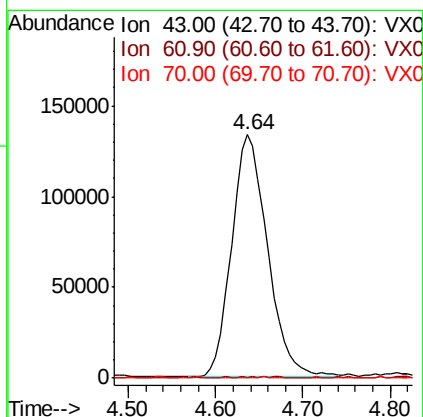
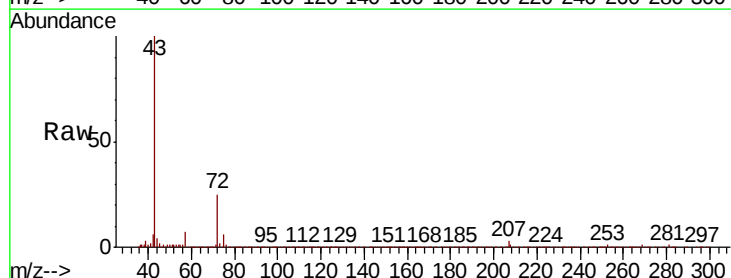
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 31005

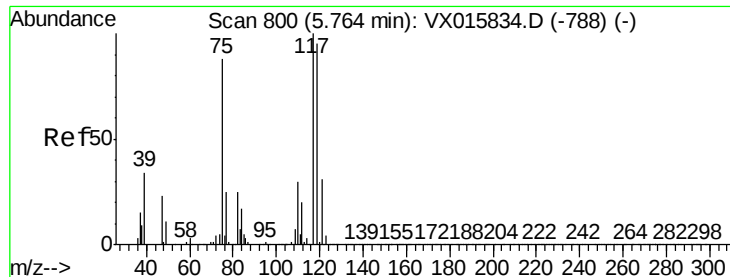
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 12.9  | 17.9  | 53.8# |
| 77      | 0.6   | 24.5  | 36.7# |



#37  
 Ethyl Acetate  
 Concen: 28.049 ug/l  
 RT: 4.64 min Scan# 615  
 Delta R.T. -0.16 min  
 Lab File: VX015912.D  
 Acq: 24 Apr 2020 00:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 0.1   | 10.8  | 16.2# |
| 70      | 0.1   | 8.2   | 12.2# |





#38

Carbon Tetrachloride

Concen: 6.744 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015912.D

Acq: 24 Apr 2020 00:11

Instrument :

MSVOA\_X

ClientSampled :

31005

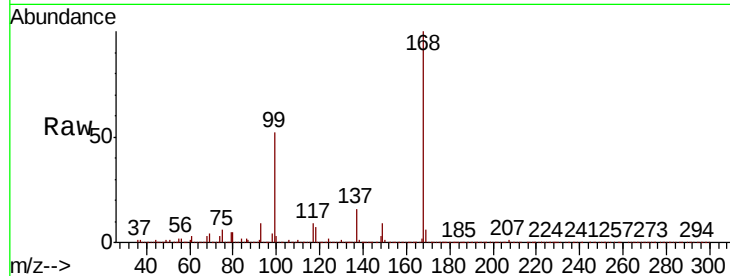
Tot Ion:117 Resp: 75797

Ion Ratio Lower Upper

117 100

119 3.3 75.7 113.5#

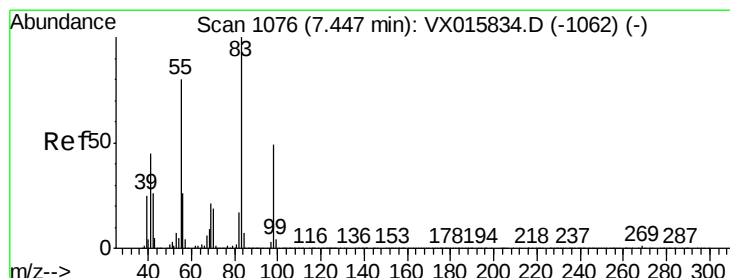
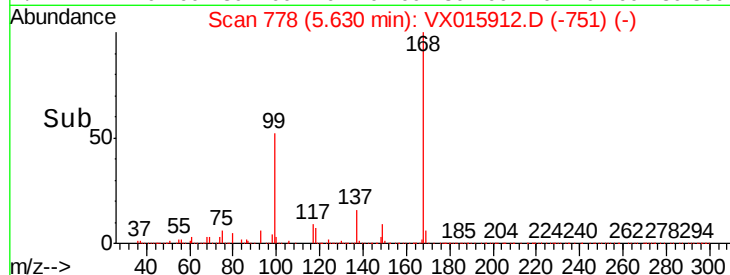
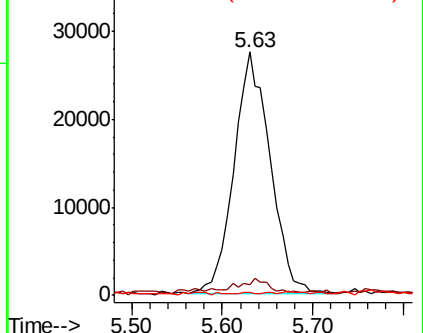
121 0.4 25.0 37.6#



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: 0.291 ug/l

RT: 7.45 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VX015912.D

Acq: 24 Apr 2020 00:11

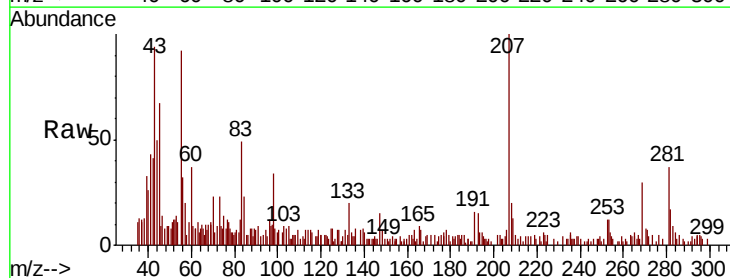
Tgt Ion: 83 Resp: 4206

Ion Ratio Lower Upper

83 100

55 171.3 64.2 96.4#

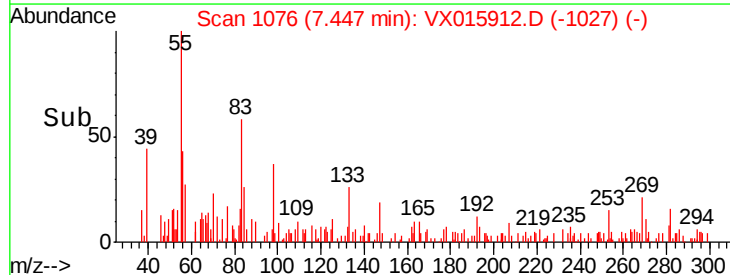
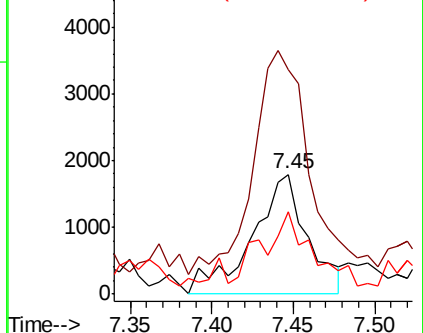
98 55.1 39.3 58.9

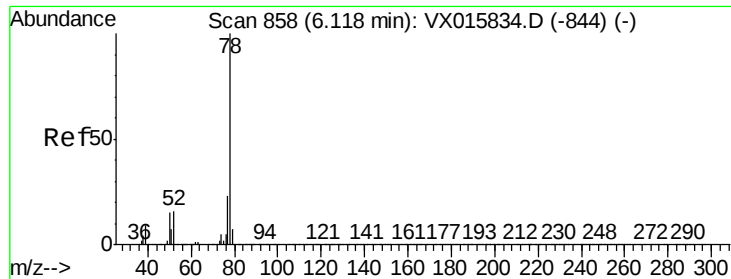


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.310 ug/l

RT: 6.12 min Scan# 859

Delta R.T. 0.01 min

Lab File: VX015912.D

Acq: 24 Apr 2020 00:11

Instrument :

MSVOA\_X

ClientSampleId :

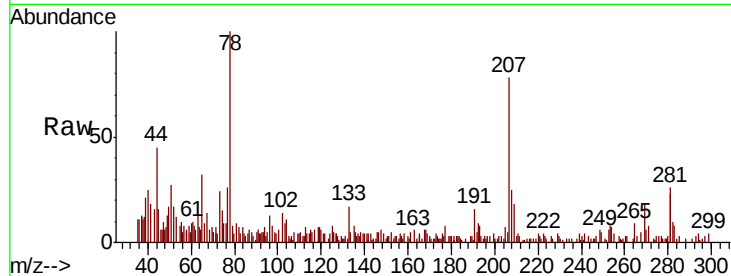
31005

Tot Ion: 78 Resp: 10668

Ion Ratio Lower Upper

78 100

77 17.5 18.6 27.8#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.12

5000

4000

3000

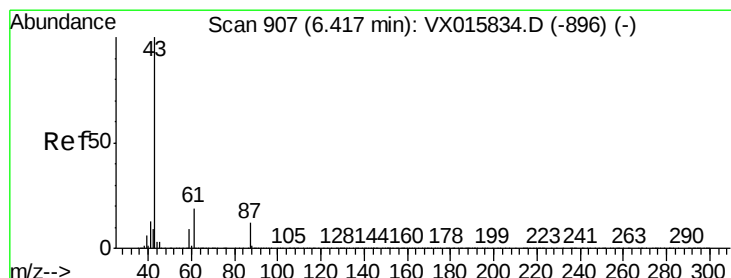
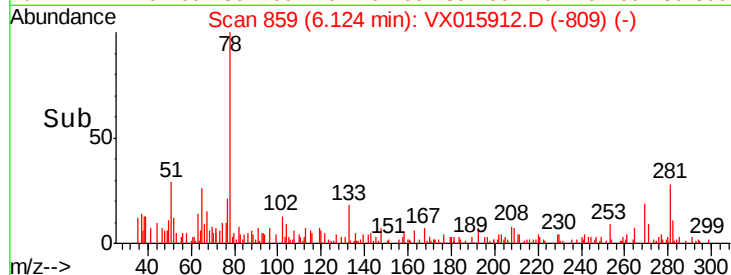
2000

1000

0

6.05 6.10 6.15 6.20

Time-->



#43

Isopropyl Acetate

Concen: 10.452 ug/l

RT: 6.42 min Scan# 907

Delta R.T. 0.00 min

Lab File: VX015912.D

Acq: 24 Apr 2020 00:11

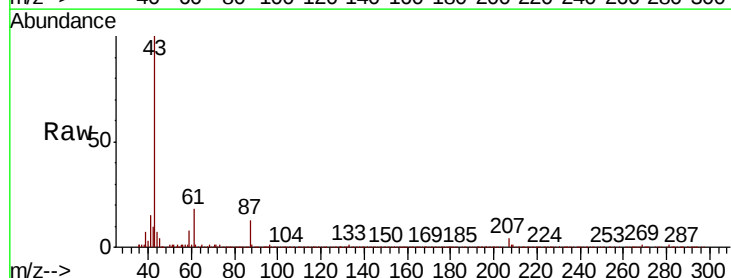
Tgt Ion: 43 Resp: 239404

Ion Ratio Lower Upper

43 100

61 18.7 15.4 23.2

87 12.9 9.8 14.6



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

120000

100000

80000

60000

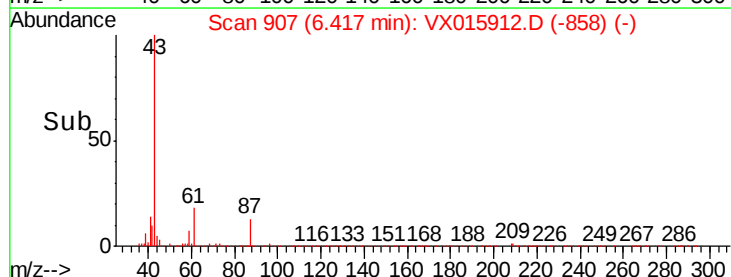
40000

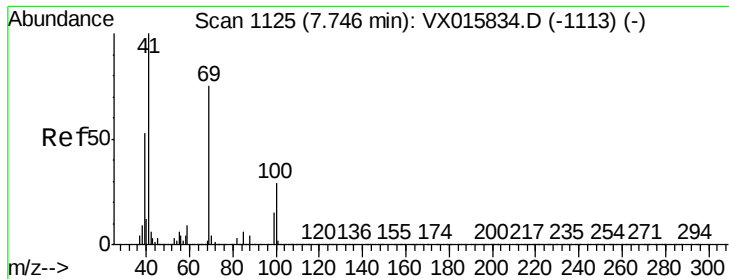
20000

0

6.30 6.40 6.50 6.60

Time-->

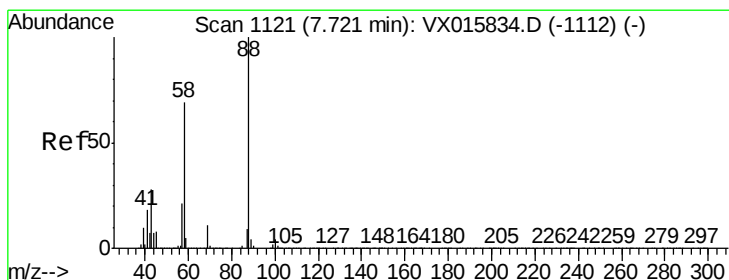
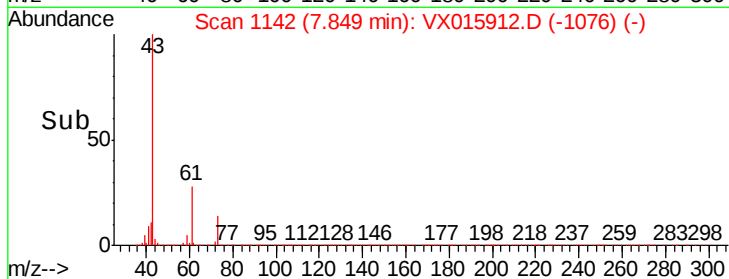
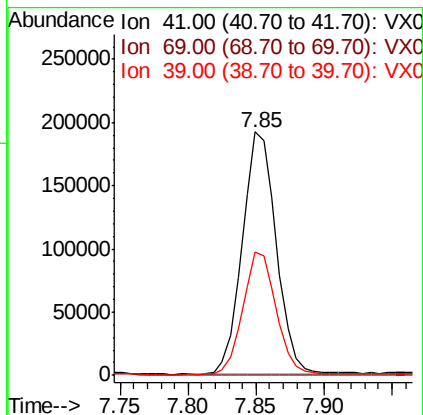
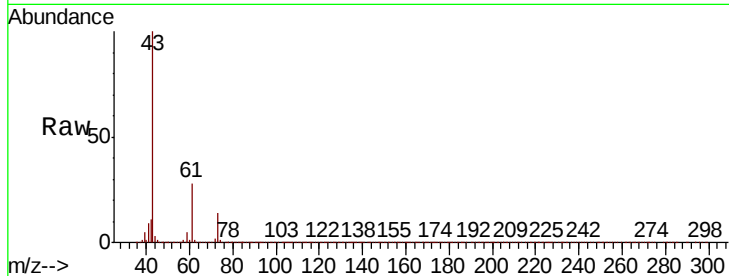




#48  
Methvl methacrylate  
Concen: 29.705 ug/l  
RT: 7.85 min Scan# 1142  
Delta R.T. 0.10 min  
Lab File: VX015912.D  
Acq: 24 Apr 2020 00:11

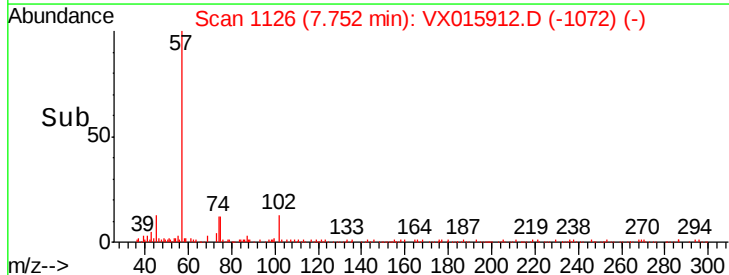
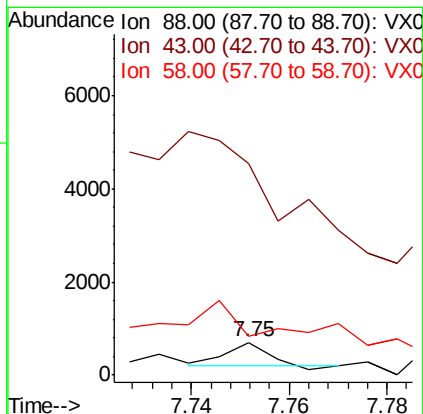
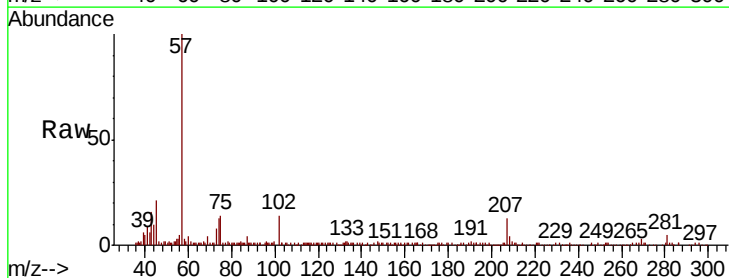
Instrument :  
MSVOA\_X  
ClientSampled :  
31005

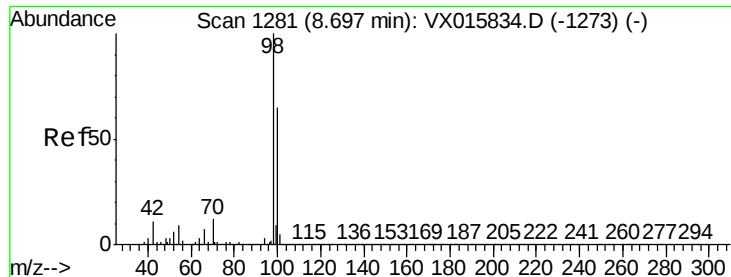
Tot Ion: 41 Resp: 334686  
Ion Ratio Lower Upper  
41 100  
69 0.0 60.5 90.7#  
39 49.9 42.1 63.1



#49  
1,4-Dioxane  
Concen: 1.249 ug/l  
RT: 7.75 min Scan# 1126  
Delta R.T. 0.03 min  
Lab File: VX015912.D  
Acq: 24 Apr 2020 00:11

Tgt Ion: 88 Resp: 266  
Ion Ratio Lower Upper  
88 100  
43 0.0 28.2 42.4#  
58 1010.2 58.9 88.3#

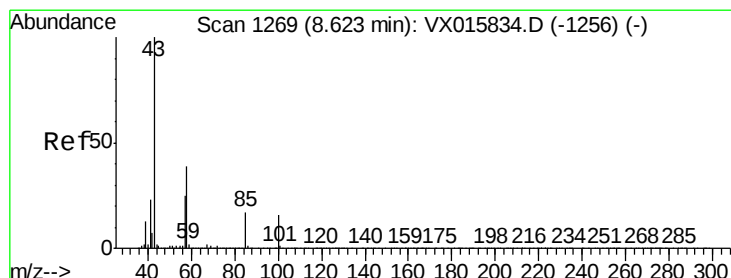
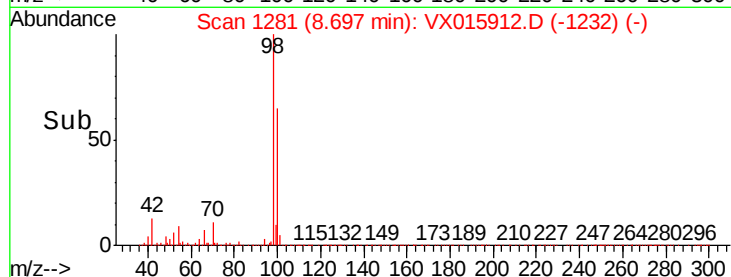
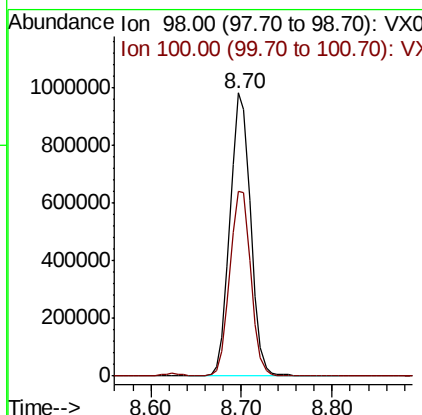
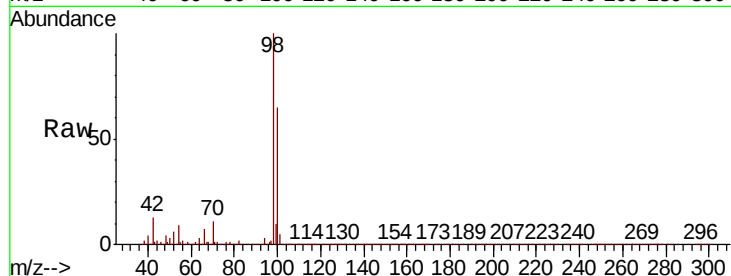




#50  
Toluene-d8  
Concen: 52.006 ug/l  
RT: 8.70 min Scan# 1281  
Delta R.T. 0.00 min  
Lab File: VX015912.D  
Acq: 24 Apr 2020 00:11

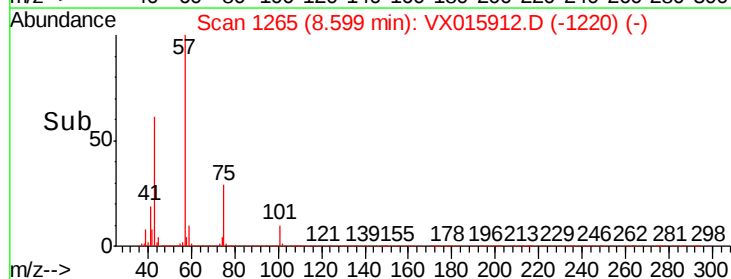
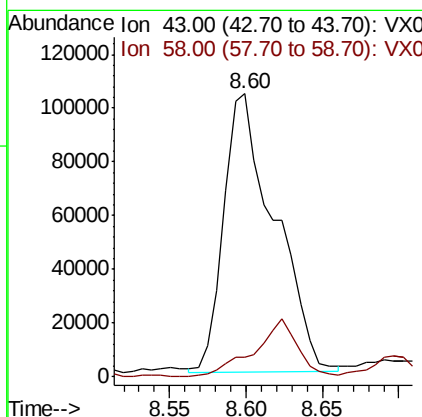
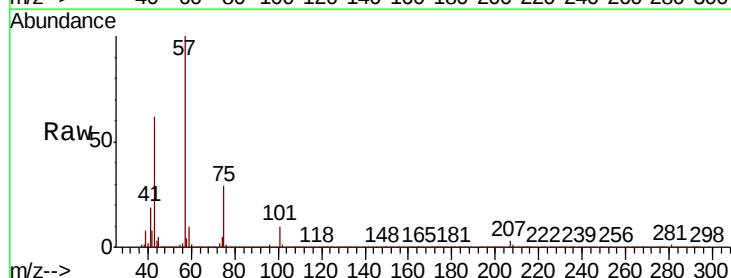
Instrument :  
MSVOA\_X  
ClientSampled :  
31005

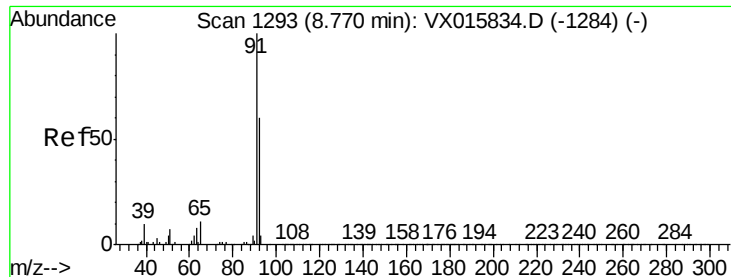
Tot Ion: 98 Resp: 1555277  
Ion Ratio Lower Upper  
98 100  
100 66.6 53.8 80.6



#51  
4-Methyl-2-Pentanone  
Concen: 18.106 ug/l  
RT: 8.60 min Scan# 1265  
Delta R.T. -0.02 min  
Lab File: VX015912.D  
Acq: 24 Apr 2020 00:11

Tgt Ion: 43 Resp: 239375  
Ion Ratio Lower Upper  
43 100  
58 0.0 30.6 45.8#





#52

Toluene

Concen: 287.448 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX015912.D

Acq: 24 Apr 2020 00:11

Instrument :

MSVOA\_X

ClientSampleId :

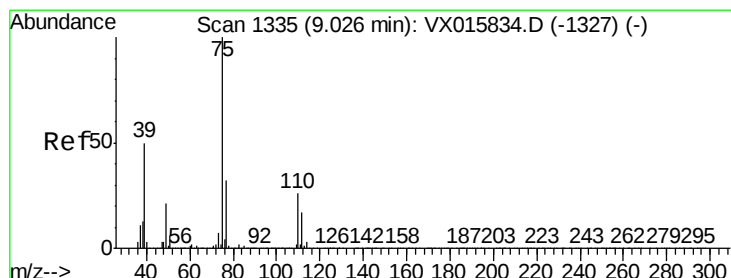
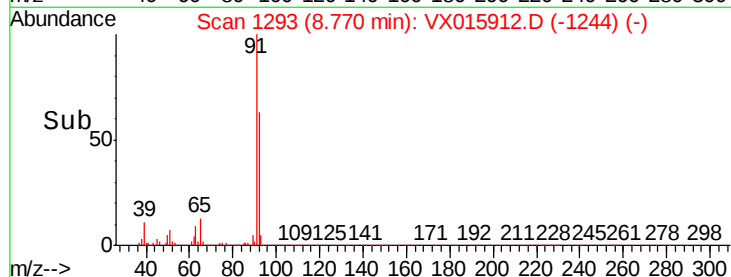
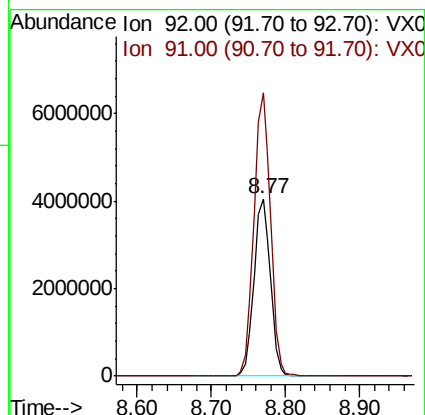
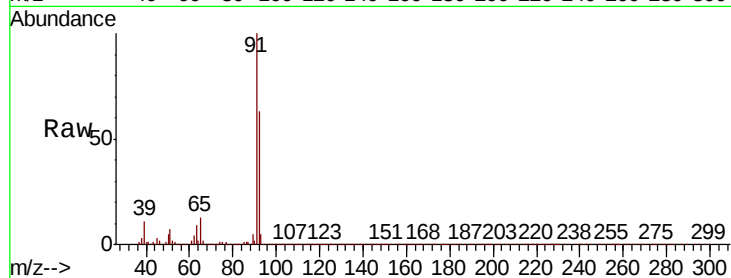
31005

Tot Ion: 92 Resp: 6331388

Ion Ratio Lower Upper

92 100

91 160.8 133.4 200.0



#53

t-1,3-Dichloropropene

Concen: 5.166 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. -0.26 min

Lab File: VX015912.D

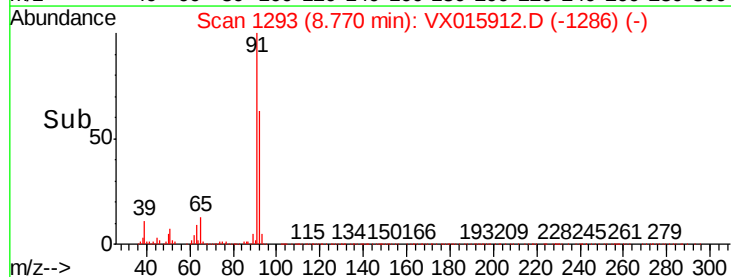
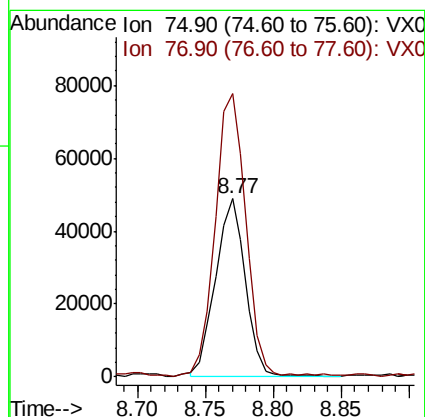
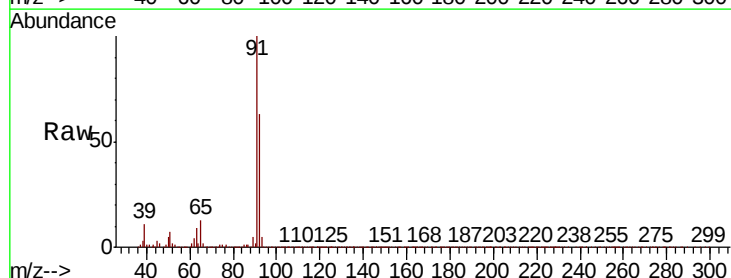
Acq: 24 Apr 2020 00:11

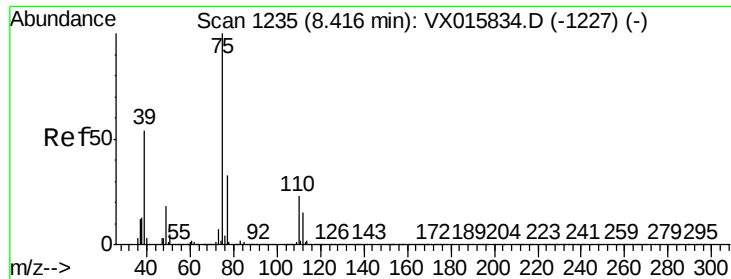
Tgt Ion: 75 Resp: 74965

Ion Ratio Lower Upper

75 100

77 158.1 25.9 38.9#





#54

cis-1,3-Dichloropropene

Concen: 4.902 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. 0.18 min

Lab File: VX015912.D

Acq: 24 Apr 2020 00:11

Instrument :

MSVOA\_X

ClientSampleId :

31005

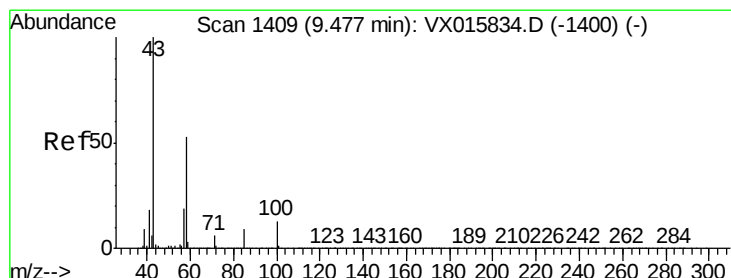
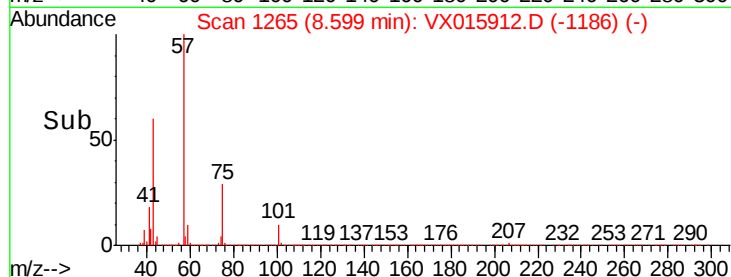
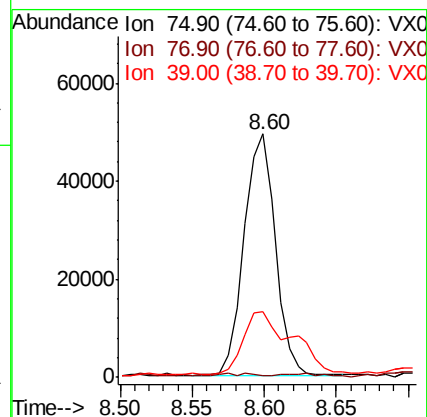
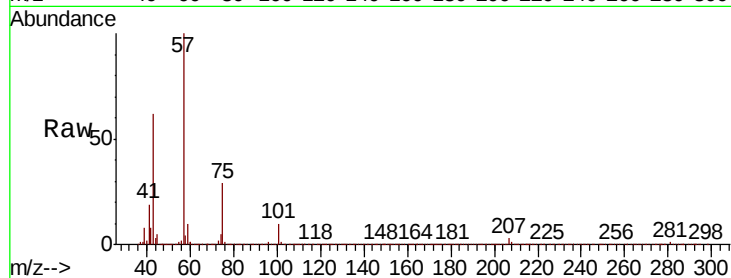
Tot Ion: 75 Resp: 75175

Ion Ratio Lower Upper

75 100

77 0.3 26.0 39.0#

39 25.7 42.8 64.2#



#59

2-Hexanone

Concen: 1.338 ug/l

RT: 9.48 min Scan# 1409

Delta R.T. 0.00 min

Lab File: VX015912.D

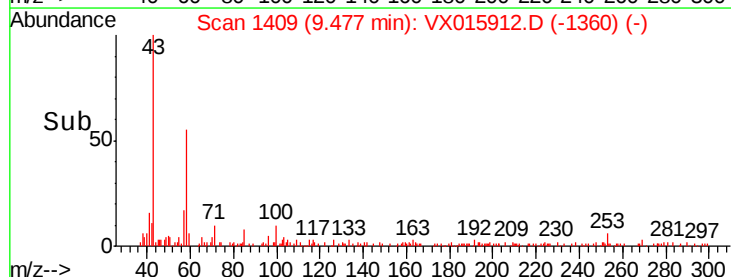
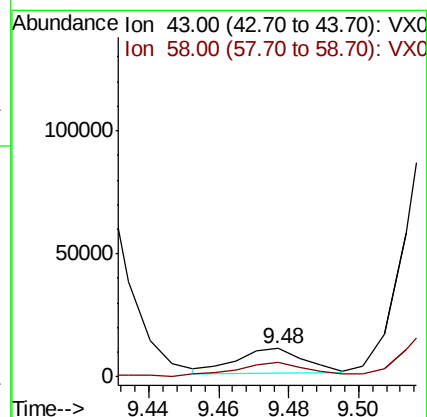
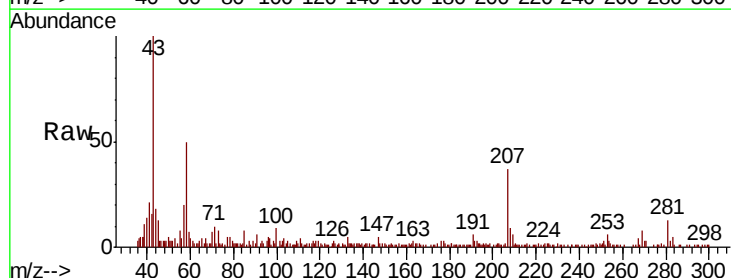
Acq: 24 Apr 2020 00:11

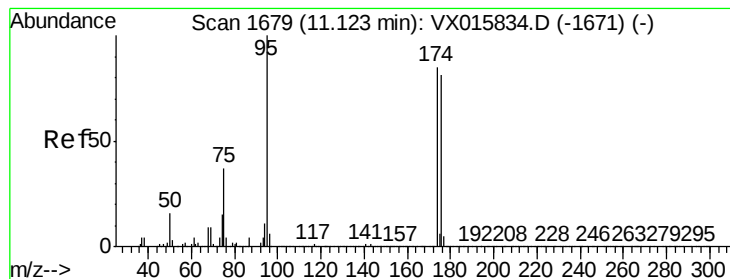
Tgt Ion: 43 Resp: 13474

Ion Ratio Lower Upper

43 100

58 60.2 26.5 79.4





#62

4-Bromofluorobenzene

Concen: 53.599 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015912.D

Acq: 24 Apr 2020 00:11

Instrument :

MSVOA\_X

ClientSampleId :

31005

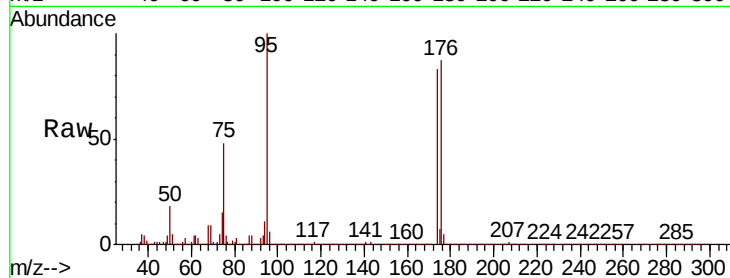
Tot Ion: 95 Resp: 657560

Ion Ratio Lower Upper

95 100

174 85.2 0.0 172.4

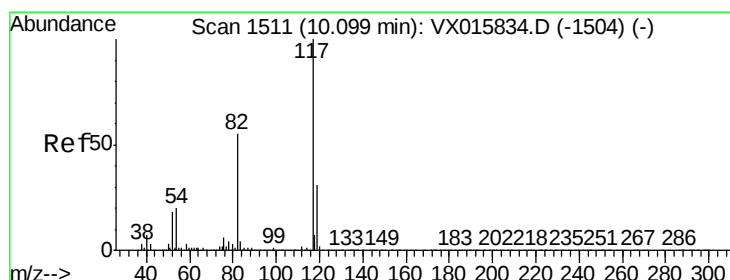
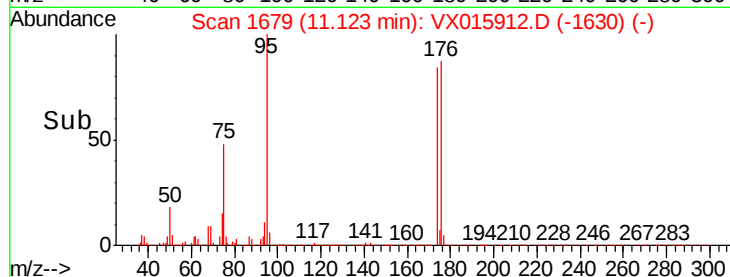
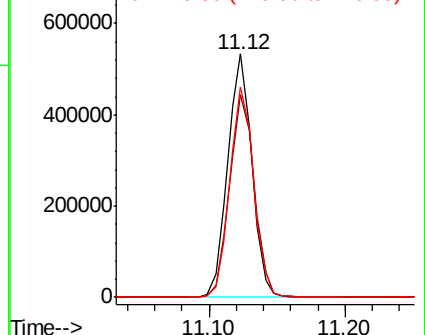
176 85.6 0.0 167.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015912.D

Acq: 24 Apr 2020 00:11

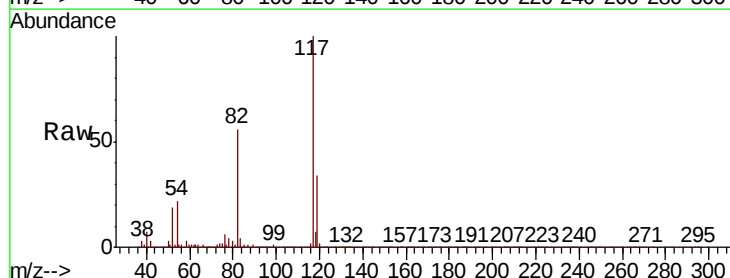
Tgt Ion: 117 Resp: 1251063

Ion Ratio Lower Upper

117 100

82 56.0 43.9 65.9

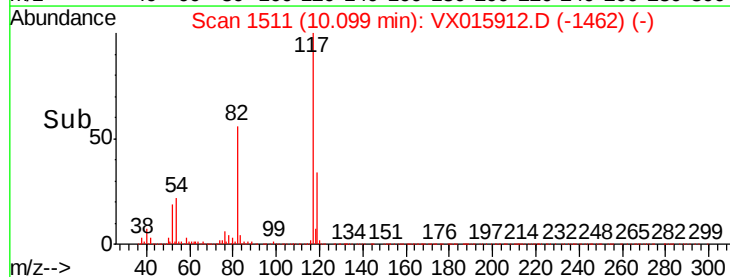
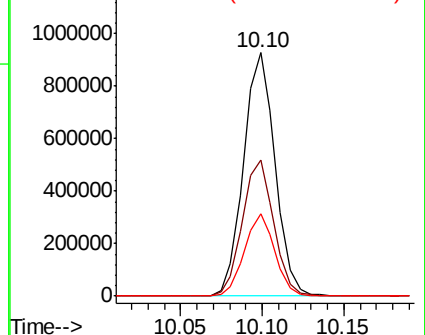
119 33.6 25.1 37.7

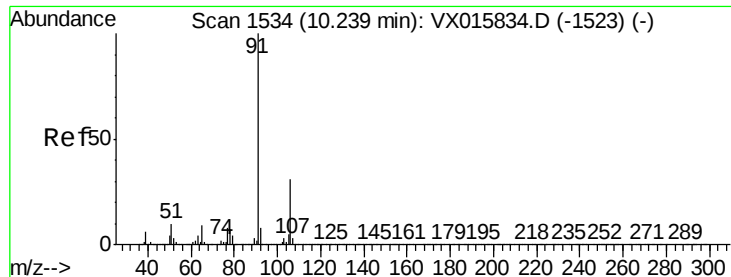


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 0.446 ug/l

RT: 10.24 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VX015912.D

Acq: 24 Apr 2020 00:11

Instrument :

MSVOA\_X

ClientSampleId :

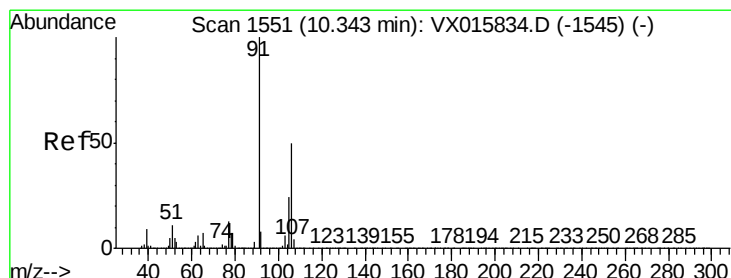
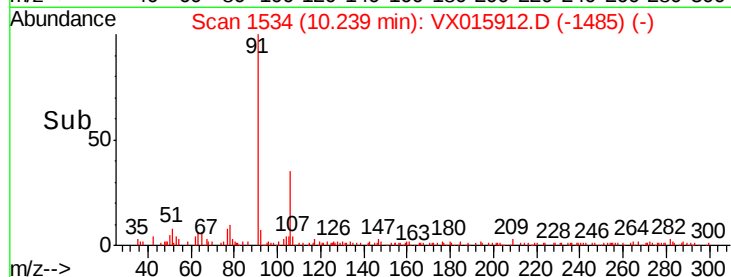
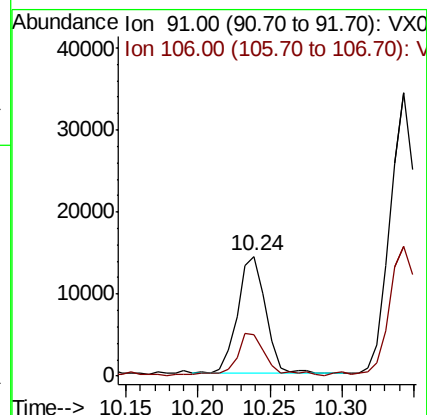
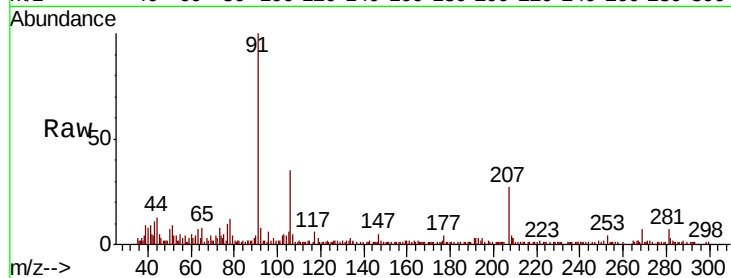
31005

Tot Ion: 91 Resp: 19585

Ion Ratio Lower Upper

91 100

106 33.8 25.0 37.4



#68

m/p-Xylenes

Concen: 1.290 ug/l

RT: 10.34 min Scan# 1551

Delta R.T. 0.00 min

Lab File: VX015912.D

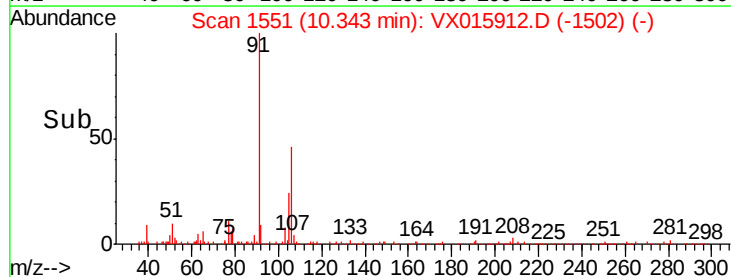
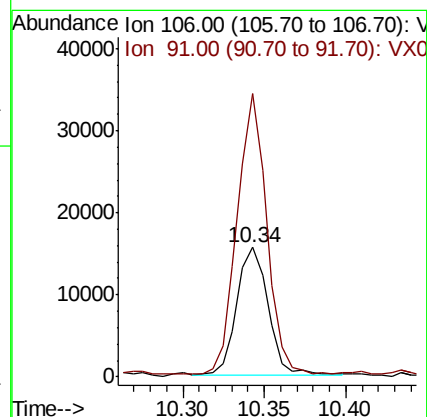
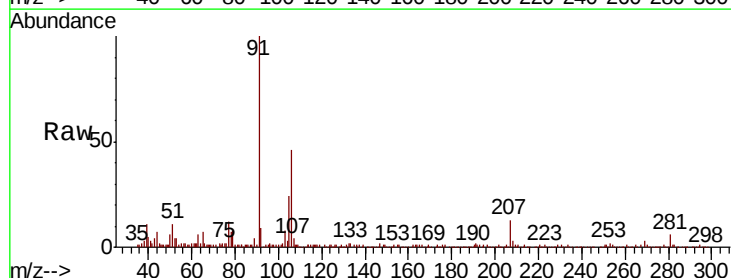
Acq: 24 Apr 2020 00:11

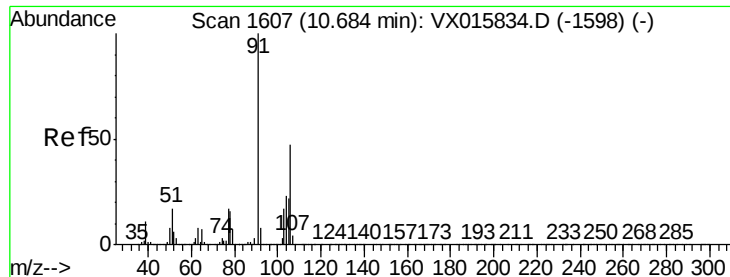
Tgt Ion: 106 Resp: 21268

Ion Ratio Lower Upper

106 100

91 202.7 161.1 241.7

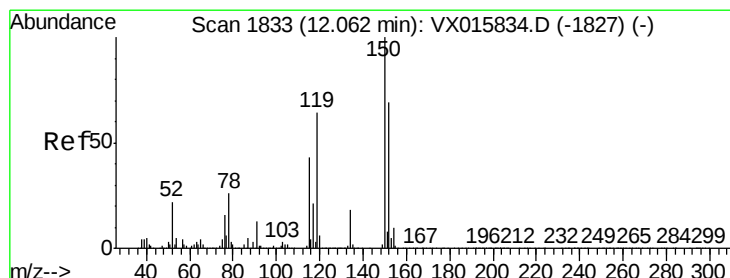
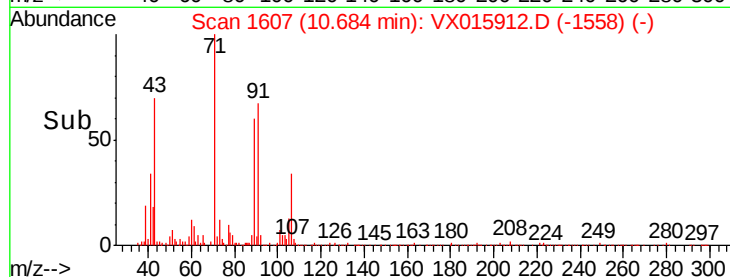
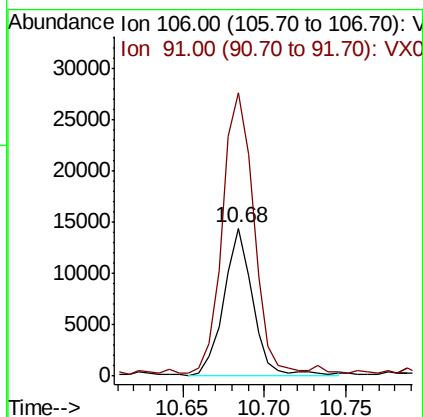
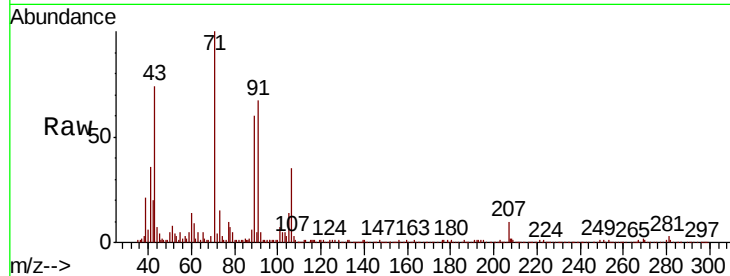




#69  
o-Xylene  
Concen: 1.108 ug/l  
RT: 10.68 min Scan# 1607  
Delta R.T. 0.00 min  
Lab File: VX015912.D  
Acq: 24 Apr 2020 00:11

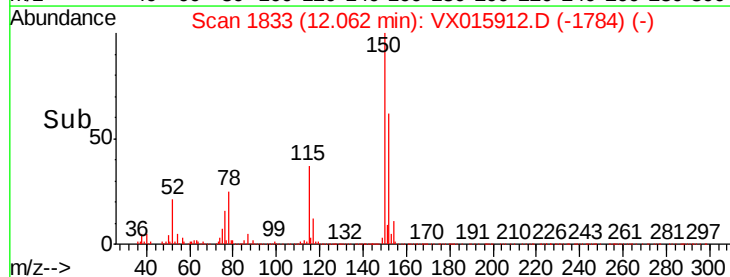
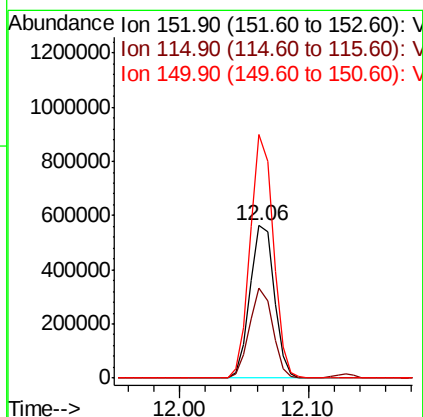
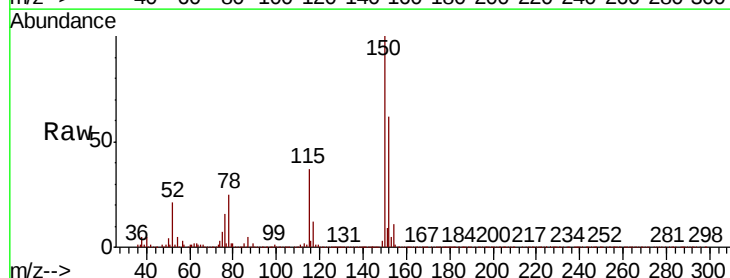
Instrument :  
MSVOA\_X  
ClientSampled :  
31005

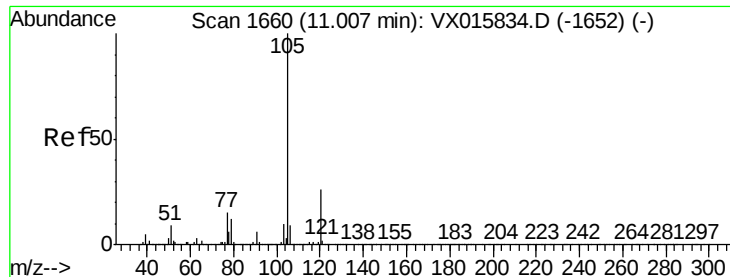
Tot Ion:106 Resp: 17981  
Ion Ratio Lower Upper  
106 100  
91 200.9 107.1 321.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1833  
Delta R.T. 0.00 min  
Lab File: VX015912.D  
Acq: 24 Apr 2020 00:11

Tgt Ion:152 Resp: 727250  
Ion Ratio Lower Upper  
152 100  
115 56.1 39.0 116.9  
150 152.5 0.0 336.8





#73

Isopropylbenzene

Concen: 0.294 ug/l

RT: 11.00 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX015912.D

Acq: 24 Apr 2020 00:11

Instrument :

MSVOA\_X

ClientSampled :

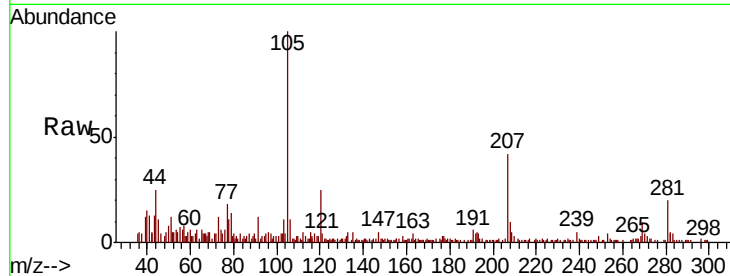
31005

Tot Ion:105 Resp: 13574

Ion Ratio Lower Upper

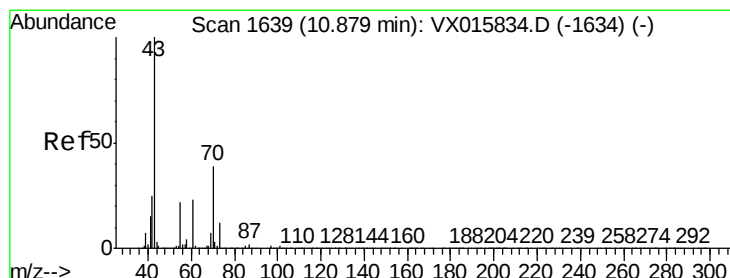
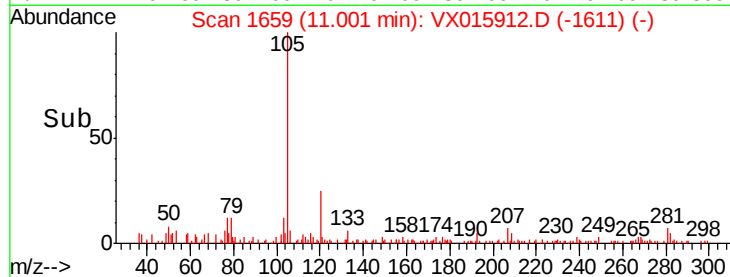
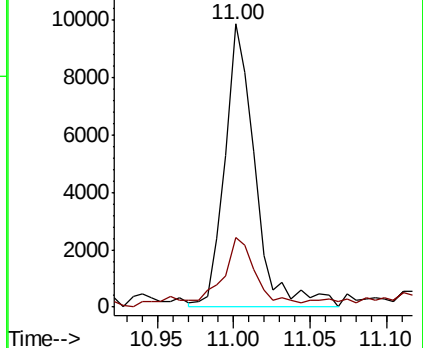
105 100

120 21.9 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.794 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.01 min

Lab File: VX015912.D

Acq: 24 Apr 2020 00:11

Tgt Ion: 43 Resp: 18931

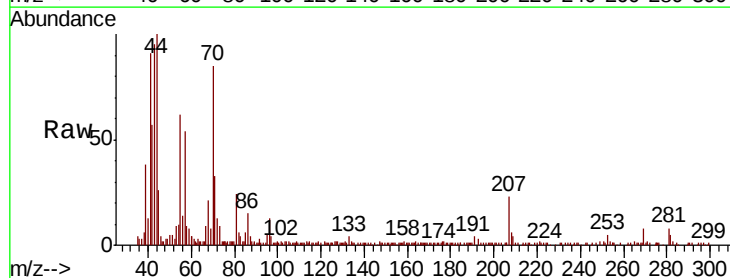
Ion Ratio Lower Upper

43 100

70 100.1 32.6 49.0#

55 66.2 18.3 27.5#

61 0.0 18.7 28.1#

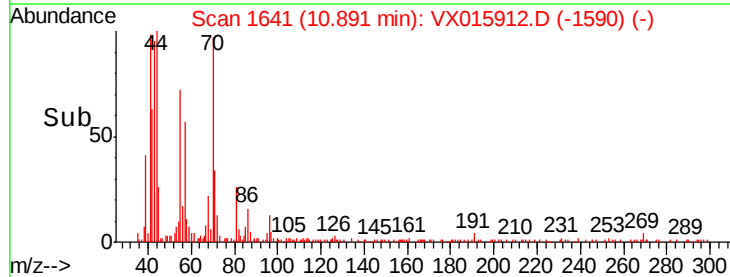
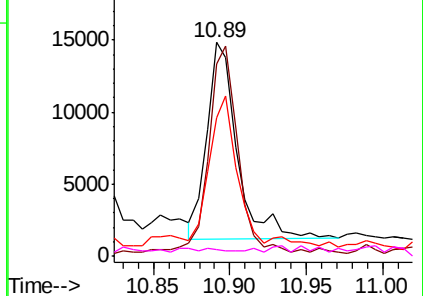


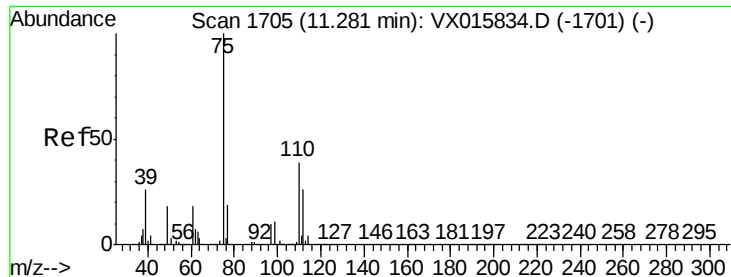
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 23.253 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015912.D

Acq: 24 Apr 2020 00:11

Instrument :

MSVOA\_X

ClientSampleId :

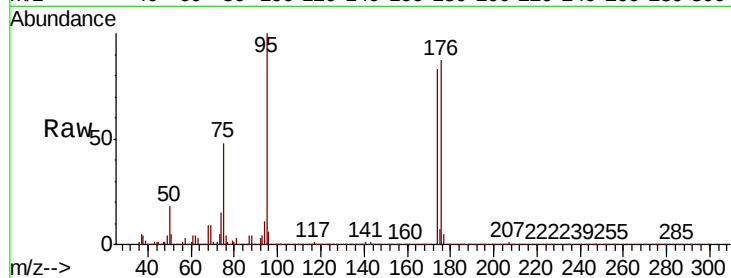
31005

Tot Ion: 75 Resp: 321577

Ion Ratio Lower Upper

75 100

77 1.3 21.3 63.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

250000

200000

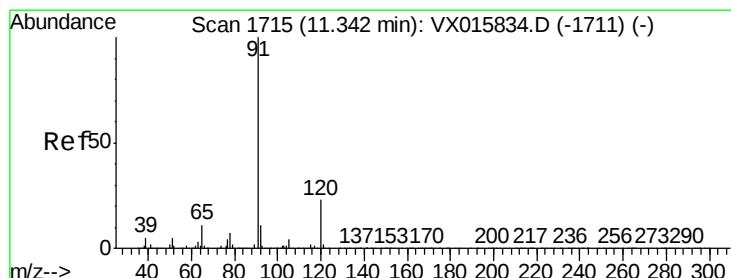
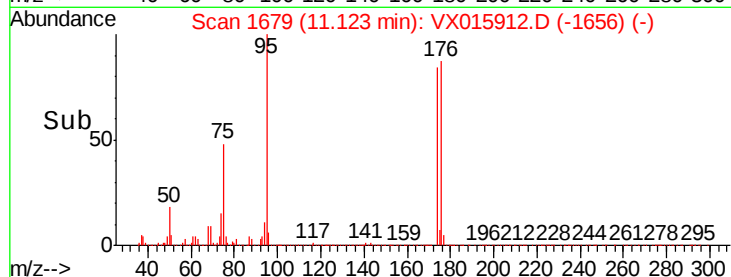
150000

100000

50000

0

Time-->



#78

n-propylbenzene

Concen: 0.794 ug/l

RT: 11.34 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VX015912.D

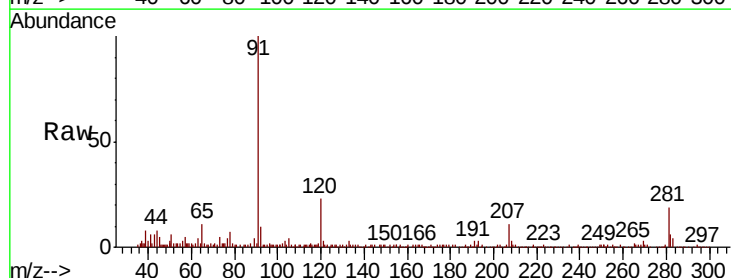
Acq: 24 Apr 2020 00:11

Tgt Ion: 91 Resp: 42020

Ion Ratio Lower Upper

91 100

120 26.0 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.34

40000

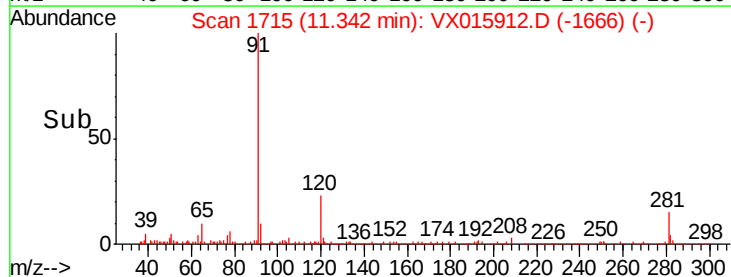
30000

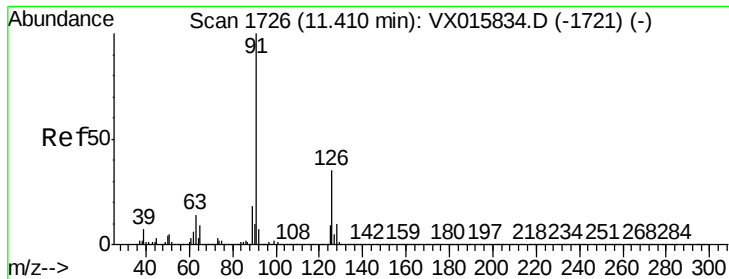
20000

10000

0

Time-->

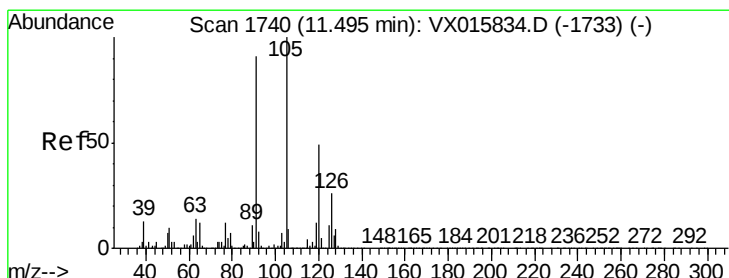
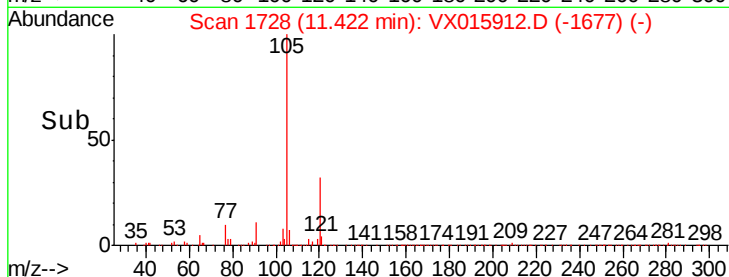
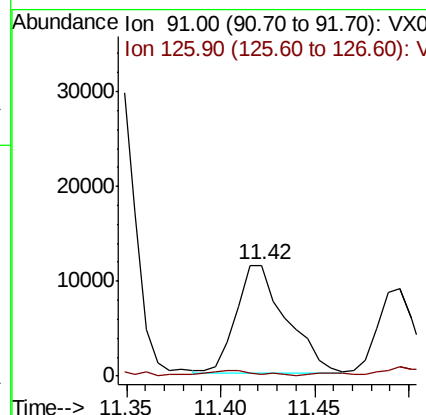
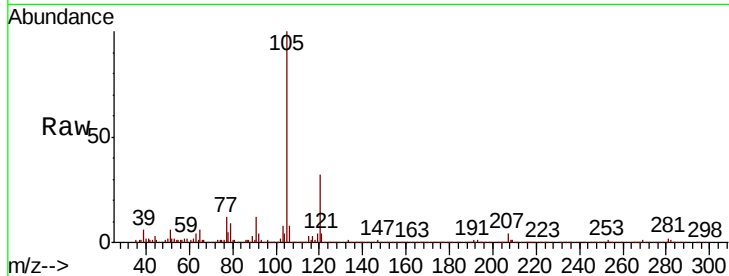




#79  
 2-Chlorotoluene  
 Concen: 0.661 ug/l  
 RT: 11.42 min Scan# 1728  
 Delta R.T. 0.01 min  
 Lab File: VX015912.D  
 Acq: 24 Apr 2020 00:11

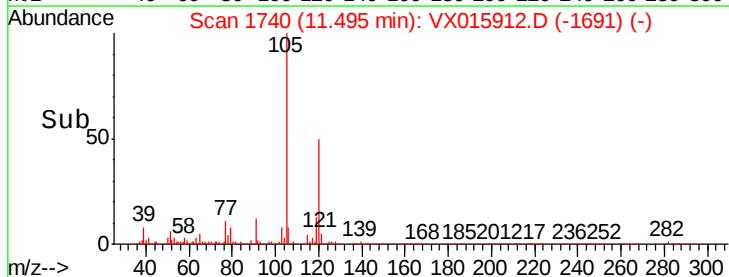
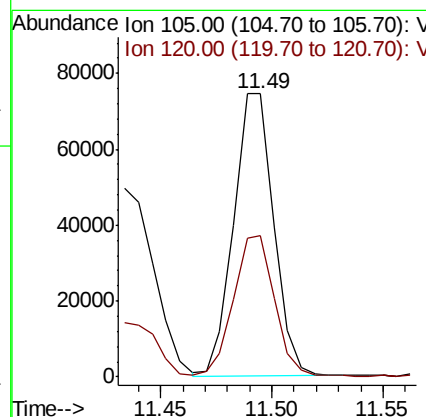
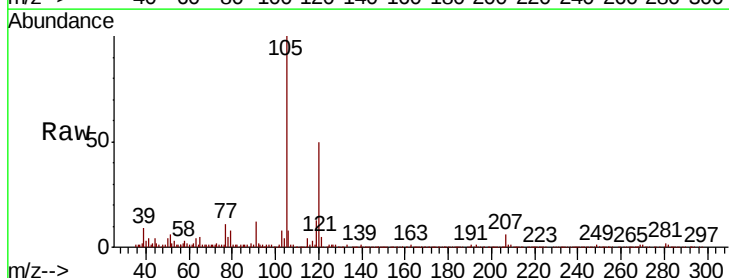
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 31005

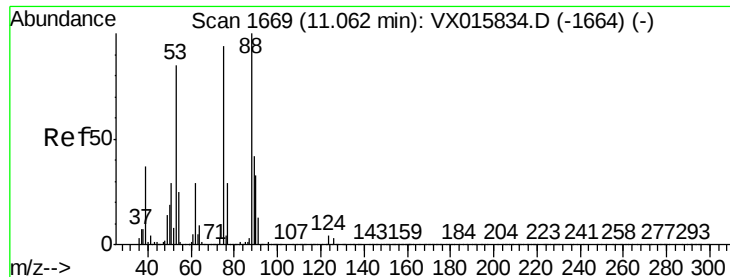
Tot Ion: 91 Resp: 21020  
 Ion Ratio Lower Upper  
 91 100  
 126 5.5 17.2 51.5#



#80  
 1,3,5-Trimethylbenzene  
 Concen: 2.363 ug/l  
 RT: 11.49 min Scan# 1740  
 Delta R.T. 0.00 min  
 Lab File: VX015912.D  
 Acq: 24 Apr 2020 00:11

Tgt Ion: 105 Resp: 93077  
 Ion Ratio Lower Upper  
 105 100  
 120 51.4 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 55.937 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015912.D

Acq: 24 Apr 2020 00:11

Instrument :

MSVOA\_X

ClientSampleId :

31005

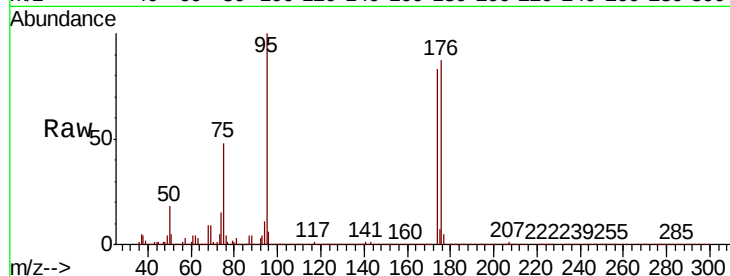
Tot Ion: 75 Resp: 321577

Ion Ratio Lower Upper

75 100

53 0.1 74.2 111.2#

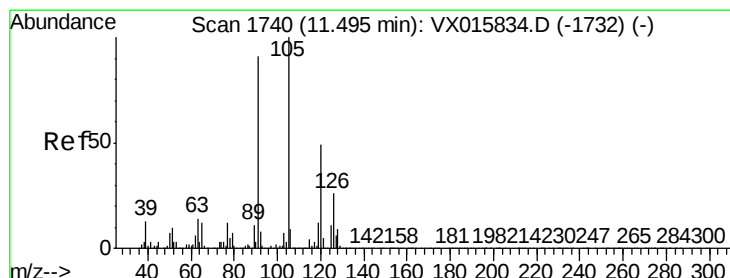
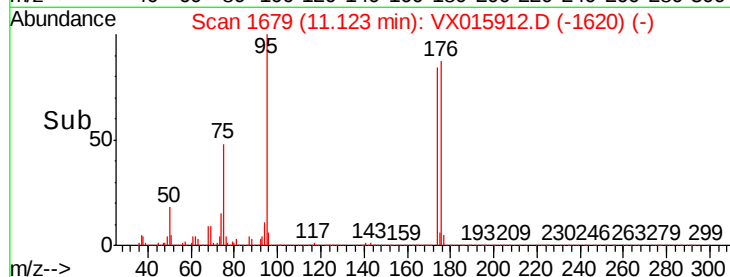
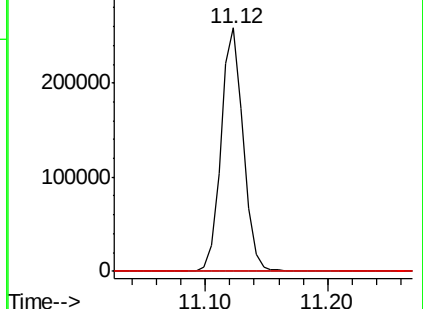
89 0.2 38.0 57.0#



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: 0.313 ug/l

RT: 11.49 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VX015912.D

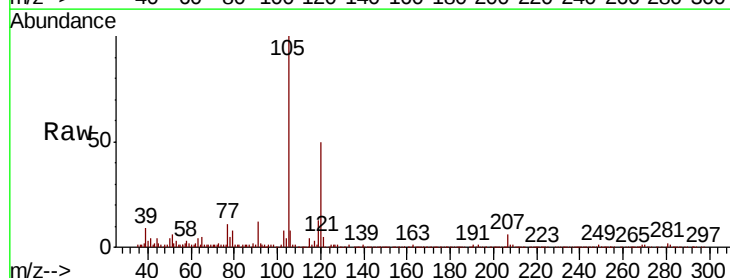
Acq: 24 Apr 2020 00:11

Tgt Ion: 91 Resp: 11816

Ion Ratio Lower Upper

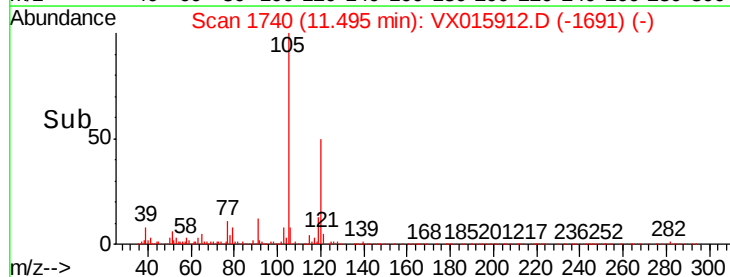
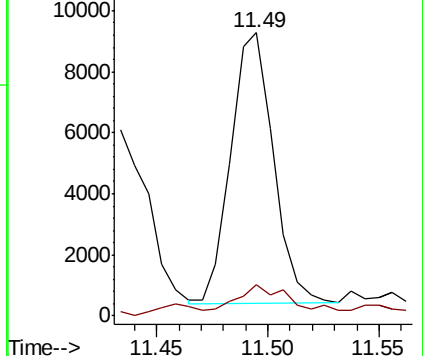
91 100

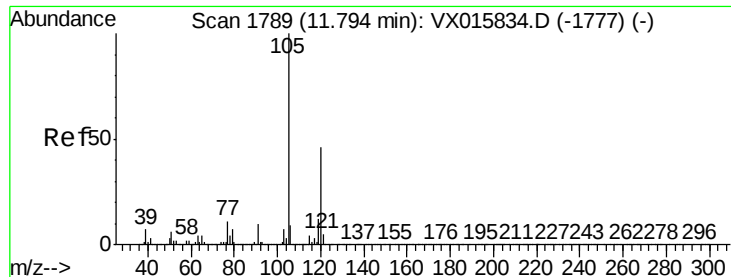
126 10.9 15.0 45.0#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

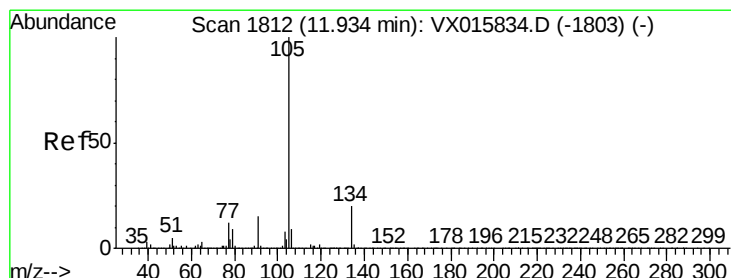
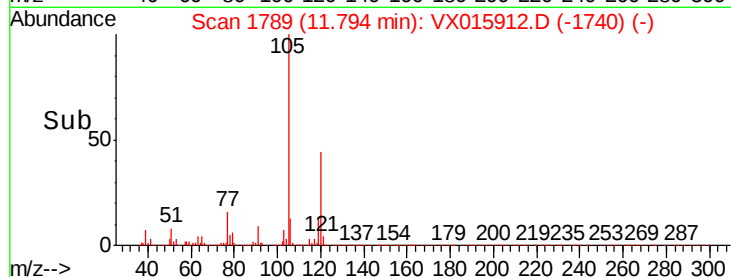
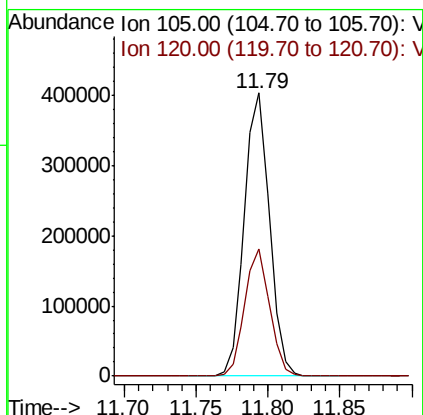
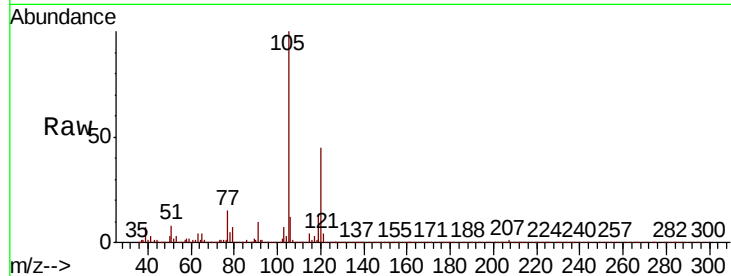




#84  
 1,2,4-Trimethylbenzene  
 Concen: 11.942 ug/l  
 RT: 11.79 min Scan# 1789  
 Delta R.T. 0.00 min  
 Lab File: VX015912.D  
 Acq: 24 Apr 2020 00:11

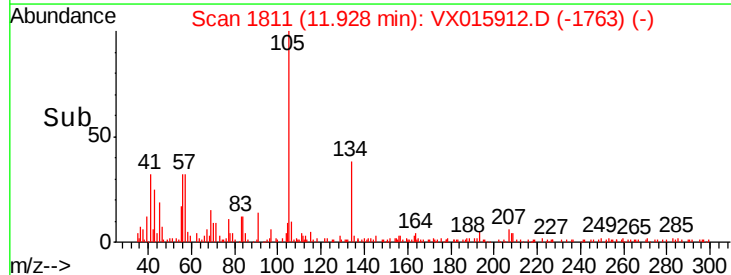
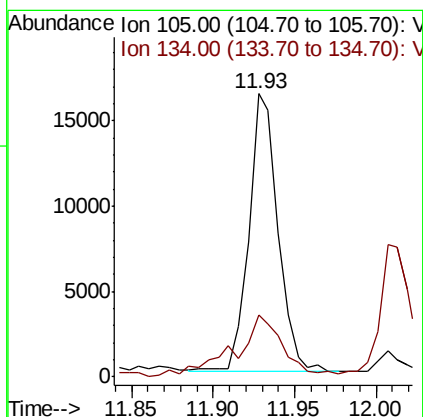
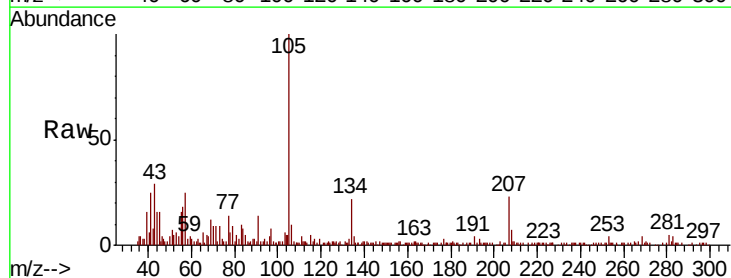
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 31005

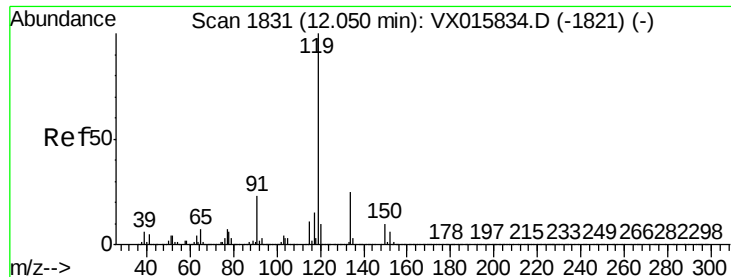
Tot Ion:105 Resp: 488269  
 Ion Ratio Lower Upper  
 105 100  
 120 44.5 22.9 68.7



#85  
 sec-Butylbenzene  
 Concen: 0.438 ug/l  
 RT: 11.93 min Scan# 1811  
 Delta R.T. -0.01 min  
 Lab File: VX015912.D  
 Acq: 24 Apr 2020 00:11

Tgt Ion:105 Resp: 20164  
 Ion Ratio Lower Upper  
 105 100  
 134 37.4 10.3 30.8#

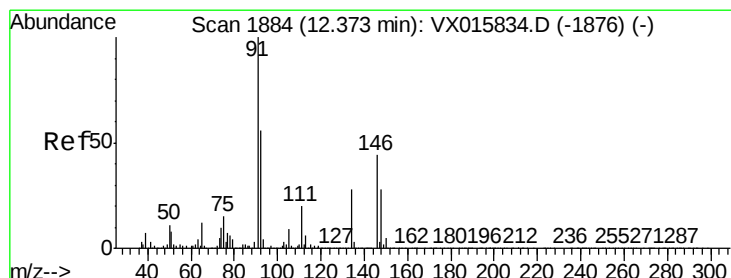
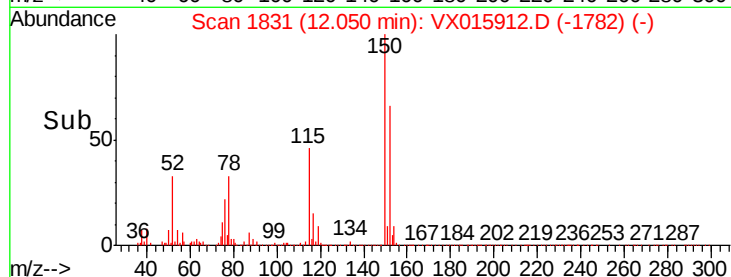
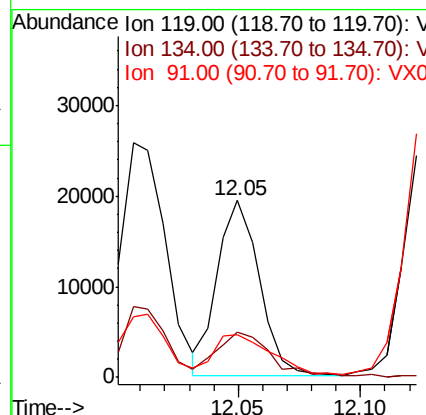
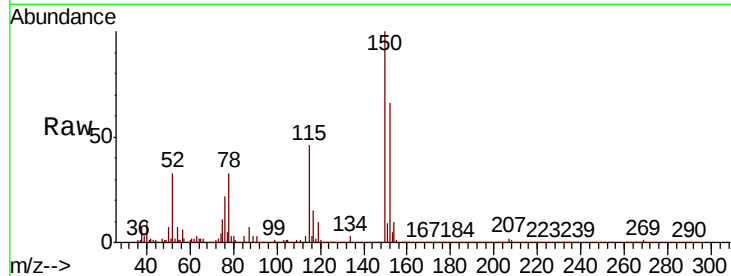




#86  
p-Isopropyltoluene  
Concen: 0.535 ug/l  
RT: 12.05 min Scan# 1831  
Delta R.T. 0.00 min  
Lab File: VX015912.D  
Acq: 24 Apr 2020 00:11

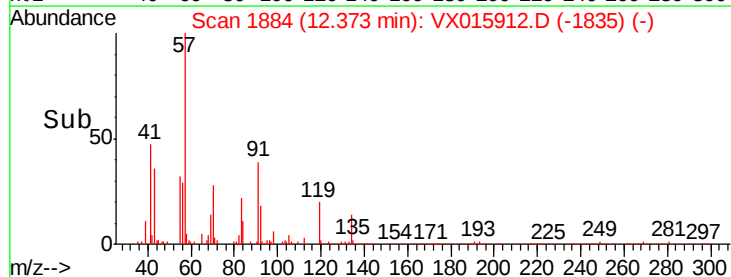
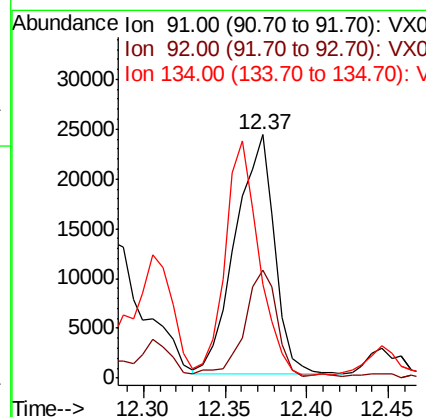
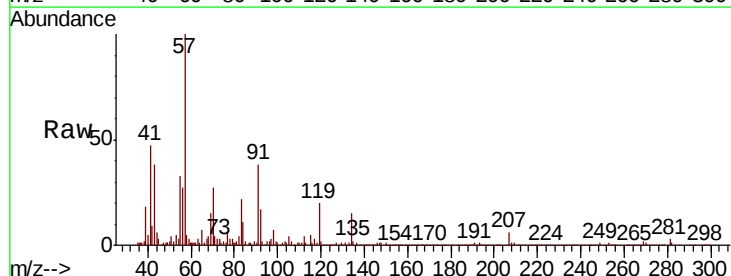
Instrument :  
MSVOA\_X  
ClientSampleId :  
31005

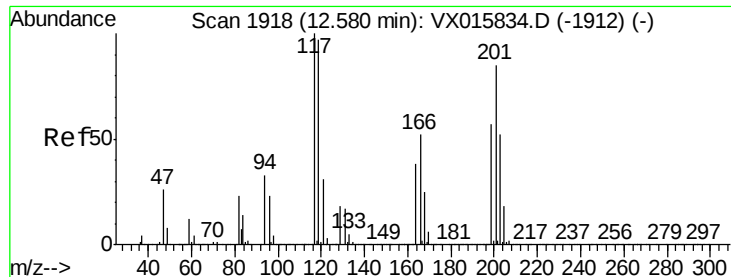
Tot Ion:119 Resp: 23028  
Ion Ratio Lower Upper  
119 100  
134 34.4 13.0 38.9  
91 31.0 11.5 34.5



#89  
n-Butylbenzene  
Concen: 1.039 ug/l  
RT: 12.37 min Scan# 1884  
Delta R.T. 0.00 min  
Lab File: VX015912.D  
Acq: 24 Apr 2020 00:11

Tgt Ion: 91 Resp: 40009  
Ion Ratio Lower Upper  
91 100  
92 37.4 27.7 83.1  
134 84.1 14.1 42.4#





#90

Hexachloroethane

Concen: 1.115 ug/l

RT: 12.57 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VX015912.D

Acq: 24 Apr 2020 00:11

Instrument :

MSVOA\_X

ClientSampled :

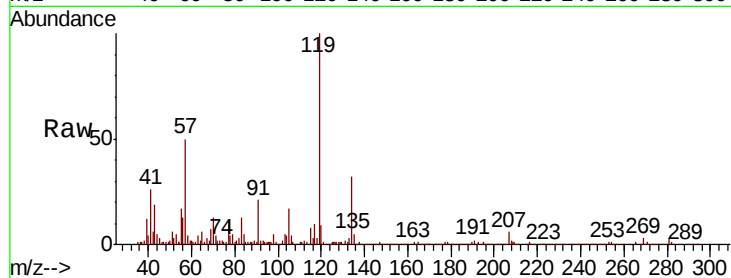
31005

Tot Ion:117 Resp: 5070

Ion Ratio Lower Upper

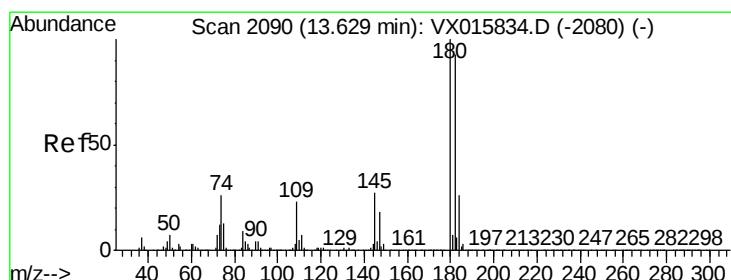
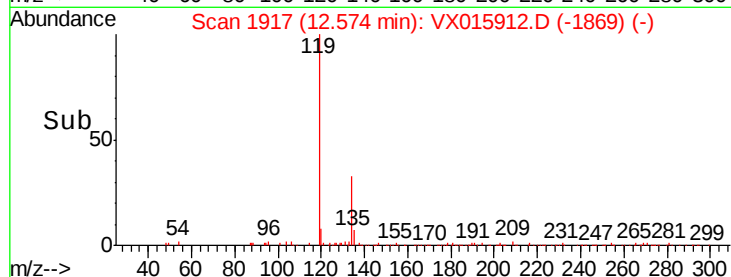
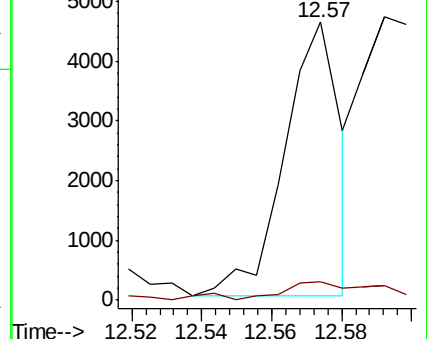
117 100

201 14.0 45.6 136.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 0.208 ug/l

RT: 13.63 min Scan# 2090

Delta R.T. 0.00 min

Lab File: VX015912.D

Acq: 24 Apr 2020 00:11

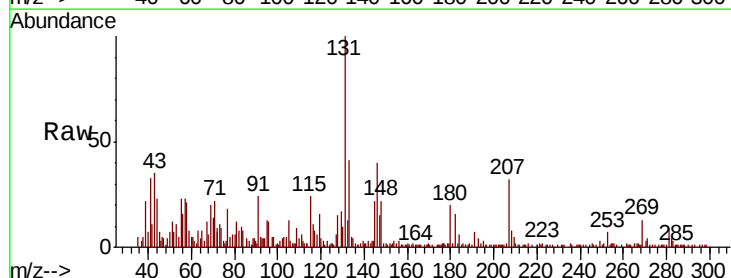
Tgt Ion:180 Resp: 3607

Ion Ratio Lower Upper

180 100

182 89.0 47.7 143.1

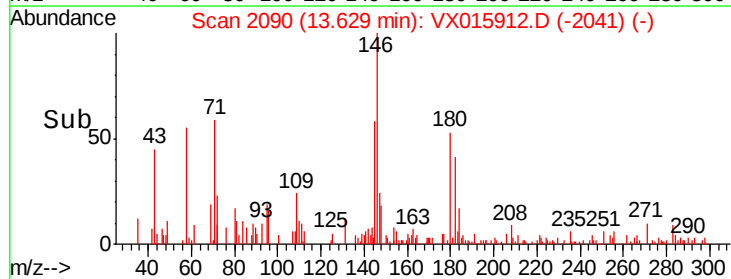
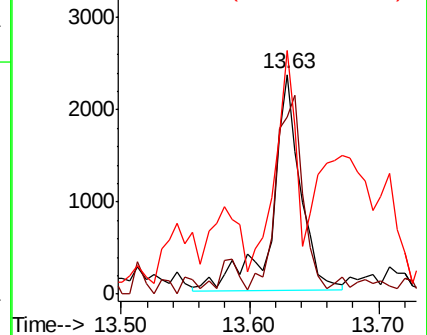
145 72.5 14.5 43.5#

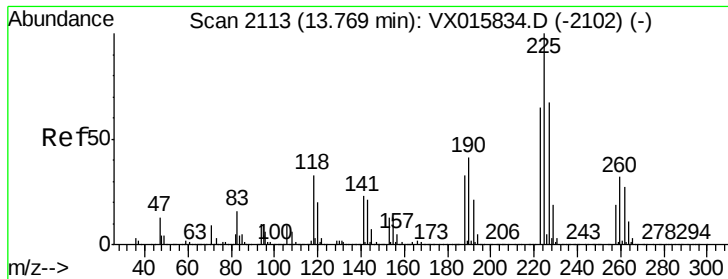


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.264 ug/l

RT: 13.77 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VX015912.D

Acq: 24 Apr 2020 00:11

Instrument :

MSVOA\_X

ClientSampleId :

31005

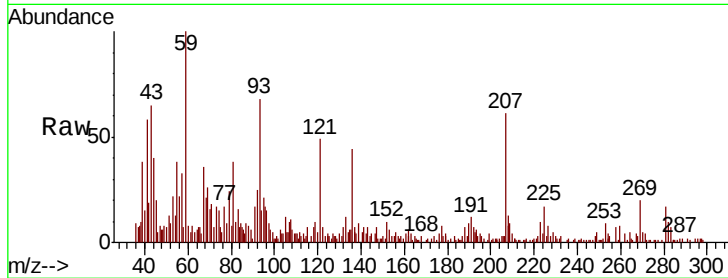
Tot Ion:225 Resp: 2053

Ion Ratio Lower Upper

225 100

223 61.2 31.3 93.8

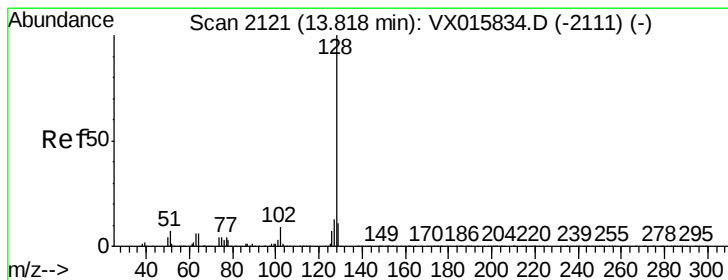
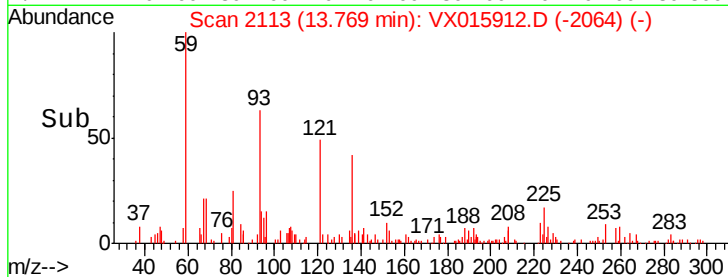
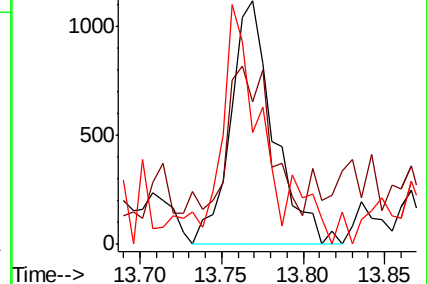
227 86.1 32.6 97.8



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 4.217 ug/l

RT: 13.82 min Scan# 2121

Delta R.T. 0.00 min

Lab File: VX015912.D

Acq: 24 Apr 2020 00:11

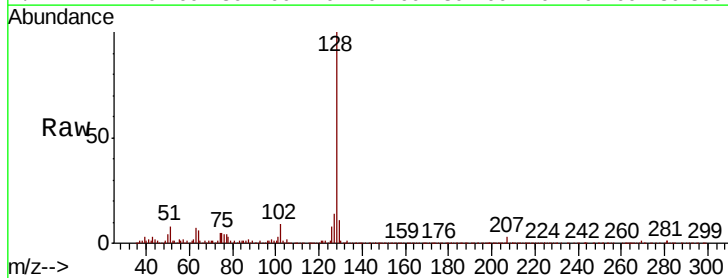
Tgt Ion:128 Resp: 210011

Ion Ratio Lower Upper

128 100

127 13.8 10.5 15.7

129 11.5 8.5 12.7



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

