

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010919\
 Data File : VF061330.D
 Acq On : 10 Jan 2019 7:01
 Operator : VA/AP
 Sample : K1094-03
 Misc : 5.84g/5mL/MSVOA-F/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CROSSWICKS-DRUM-2

Quant Time: Jan 10 07:50:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-4.87
34) 1,4-Difluorobenzene	5.62	114	79	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.78	117	60	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	67	50.00	ug/l	0.06

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	76	0.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	7.55	98	160	89.45	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	178.90%	
62) 4-Bromofluorobenzene	11.45	95	241	308.54	ug/l	0.03
Spiked Amount	50.000		Recovery	=	617.08%	

Target Compounds					Qvalue
37) Ethyl Acetate	4.12	43	147	437.565	ug/l # 1
39) Methylcyclohexane	5.48	83	62	53.711	ug/l # 15
40) Benzene	4.63	78	67	31.108	ug/l # 51
41) Methacrylonitrile	4.77	41	286	1524.467	ug/l # 24
43) Isopropyl Acetate	6.98	43	121	272.809	ug/l # 45
45) 1,2-Dichloropropane	6.22	63	75	136.935	ug/l # 43
46) Dibromomethane	6.07	93	62	184.370	ug/l # 8
48) Methyl methacrylate	6.71	41	695	2414.081	ug/l # 21
51) 4-Methyl-2-Pentanone	8.28	43	1844	5508.122	ug/l # 92
52) Toluene	7.64	92	524	378.516	ug/l # 1
53) t-1,3-Dichloropropene	8.37	75	72	109.622	ug/l # 1
54) cis-1,3-Dichloropropene	7.25	75	84	96.457	ug/l # 1
56) Ethyl methacrylate	8.64	69	78	180.158	ug/l # 1
57) 1,3-Dichloropropane	8.92	76	59	86.058	ug/l # 1
58) 2-Chloroethyl Vinyl ether	7.29	63	69	3739.773	ug/l # 56
59) 2-Hexanone	9.53	43	60	252.979	ug/l # 27
61) 1,2-Dibromoethane	9.04	107	86	217.786	ug/l # 3
67) Ethyl Benzene	9.91	91	49585	21225.579	ug/l # 97
68) m/p-Xylenes	10.15	106	67145	82398.899	ug/l # 87
69) o-Xylene	10.73	106	28757	31591.585	ug/l # 98
70) Styrene	10.78	104	240	197.915	ug/l # 1
71) Bromoform	10.61	173	60	296.962	ug/l # 29
73) Isopropylbenzene	11.14	105	2577	437.105	ug/l # 90
74) N-ethyl acetate	11.40	43	469	349.951	ug/l # 33
75) 1,1,2,2-Tetrachloroethane	11.69	83	216	231.068	ug/l # 25
76) 1,2,3-Trichloropropane	11.76	75	183	266.916	ug/l # 1
78) n-propylbenzene	11.61	91	5996	852.992	ug/l # 50
79) 2-Chlorotoluene	11.72	91	4071	1039.478	ug/l # 41
80) 1,3,5-Trimethylbenzene	11.83	105	9312	1984.995	ug/l # 96
81) trans-1,4-Dichloro-2-buten	11.84	75	210	700.915	ug/l # 4
82) 4-Chlorotoluene	11.92	91	301	75.636	ug/l # 42
83) tert-Butylbenzene	12.17	119	218	46.643	ug/l # 1
84) 1,2,4-Trimethylbenzene	12.22	105	47912	10286.896	ug/l # 100
85) sec-Butylbenzene	12.22	105	47912	7199.506	ug/l # 57

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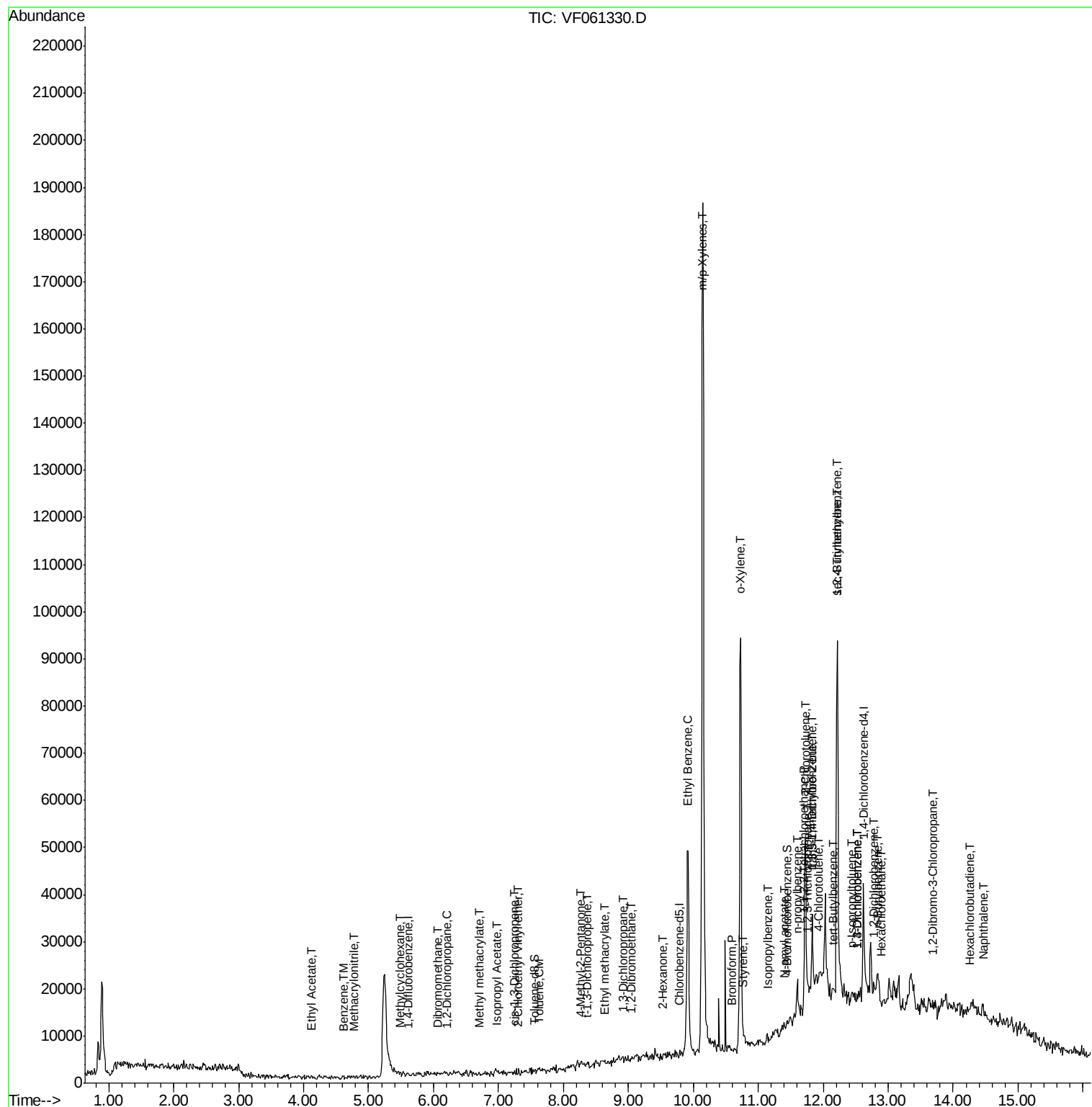
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	12.44	119	899	166.084	ug/l #	54
87) 1,3-Dichlorobenzene	12.51	146	67	29.251	ug/l #	1
88) 1,4-Dichlorobenzene	12.51	146	67	30.426	ug/l #	1
89) n-Butylbenzene	12.85	91	1271	228.528	ug/l #	44
90) Hexachloroethane	12.89	117	565	456.310	ug/l #	23
91) 1,2-Dichlorobenzene	12.79	146	60	27.444	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.70	75	80	506.507	ug/l #	1
94) Hexachlorobutadiene	14.25	225	72	74.338	ug/l #	19
95) Naphthalene	14.47	128	524	184.818	ug/l #	24

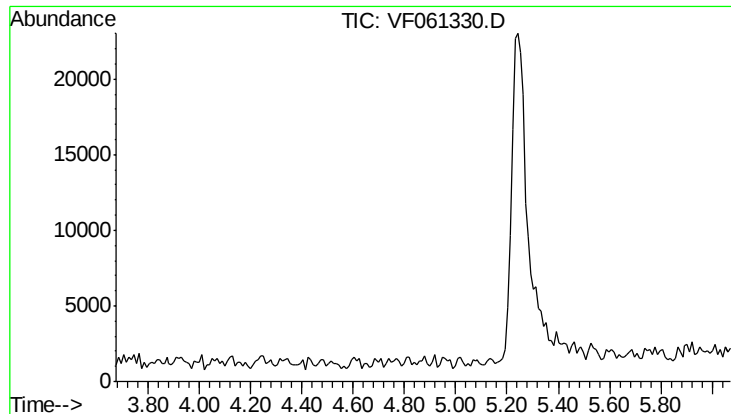
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 4.87 min

Lab File: VF061330.D

Acq: 10 Jan 2019 7:01

Instrument :

MSVOA_F

ClientSampleId :

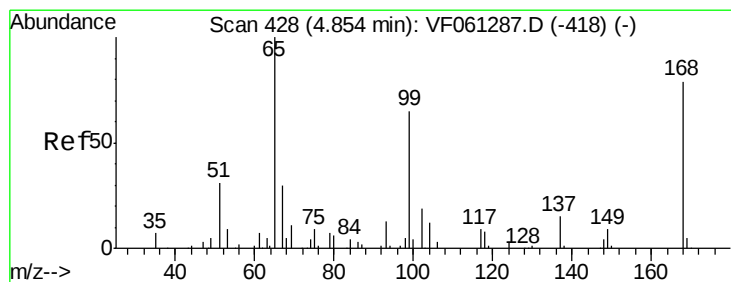
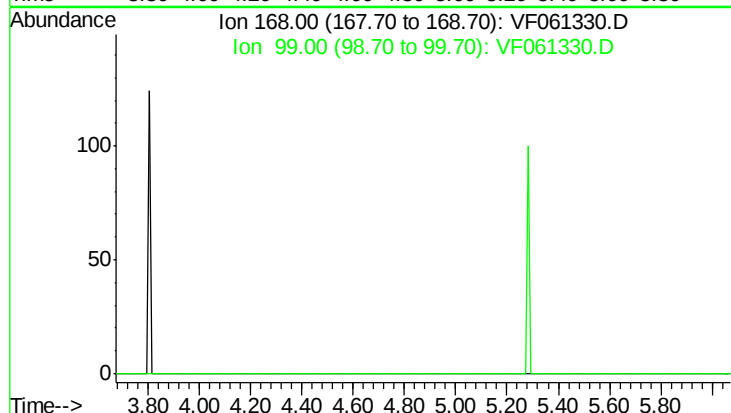
CROSSWICKS-DRUM-2

Tot Ion: 168

Sig Exp Ratio

168 100

99 65.9



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061330.D

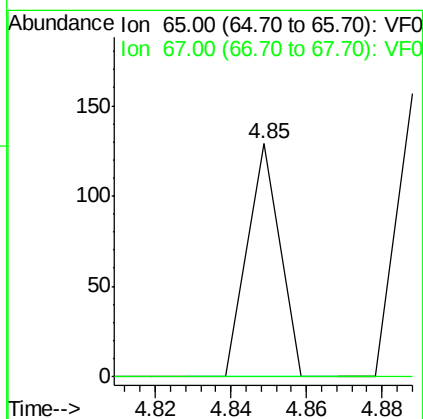
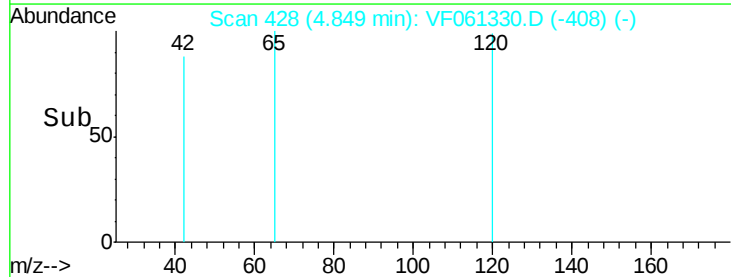
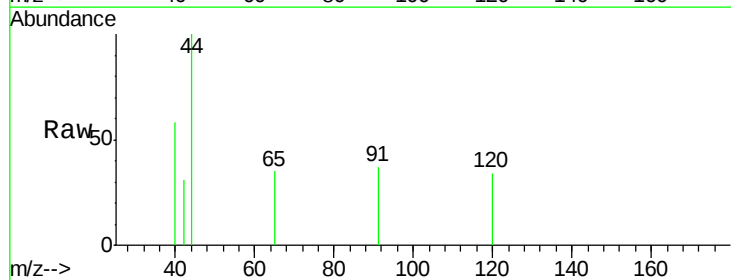
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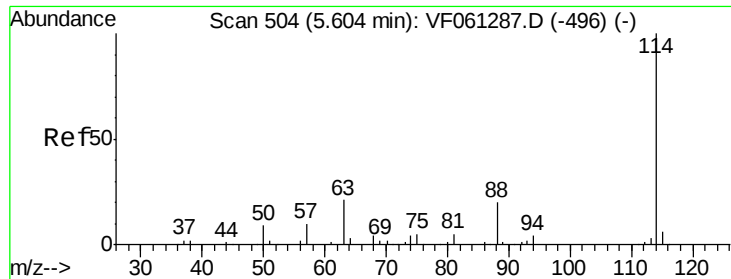
Tgt Ion: 65 Resp: 76

Ion Ratio Lower Upper

65 100

67 0.0 0.0 98.2

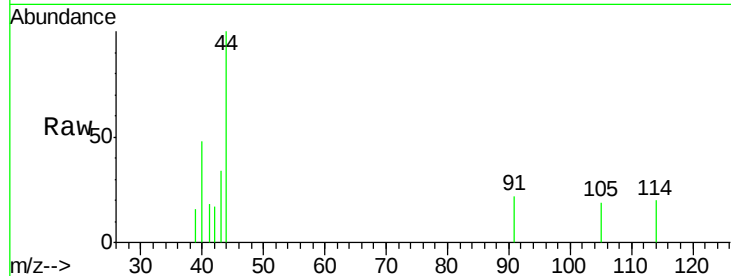




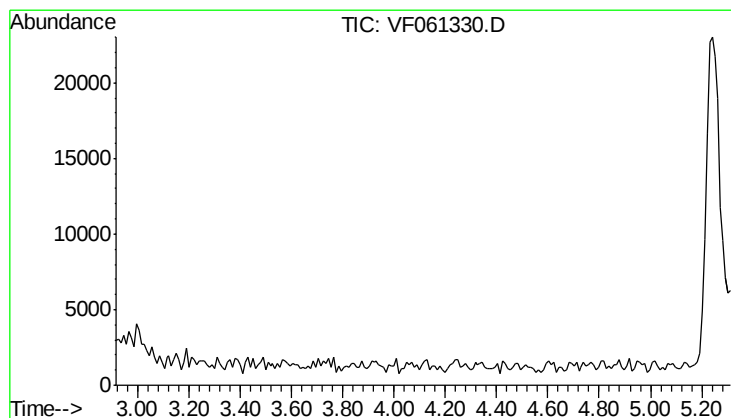
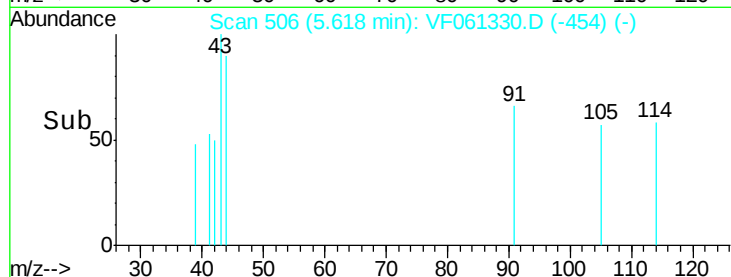
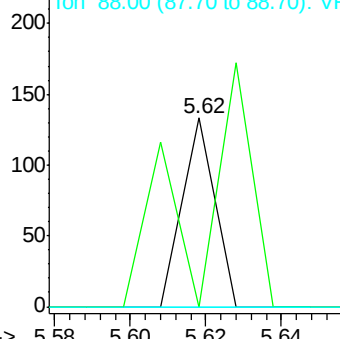
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 506
 Delta R.T. 0.01 min
 Lab File: VF061330.D
 Acq: 10 Jan 2019 7:01

Instrument :
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 CROSSWICKS-DRUM-2

Tot Ion:114 Resp: 79
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 42.8
 88 0.0 0.0 40.0



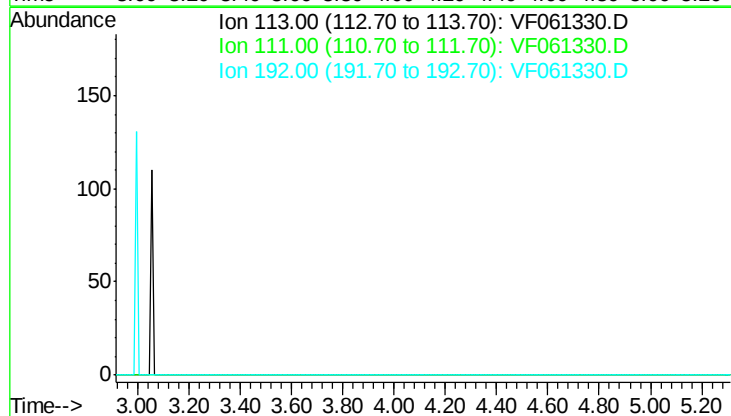
Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

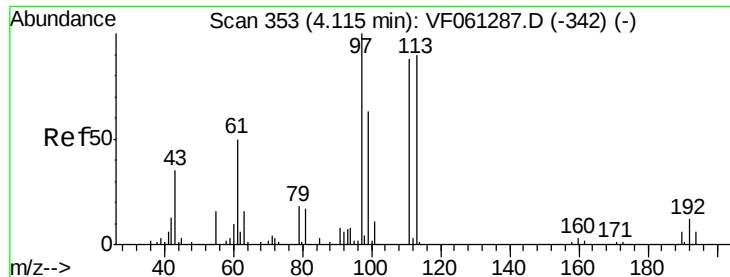


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 4.11 min

Lab File: VF061330.D
 Acq: 10 Jan 2019 7:01

Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 97.5
 192 13.3

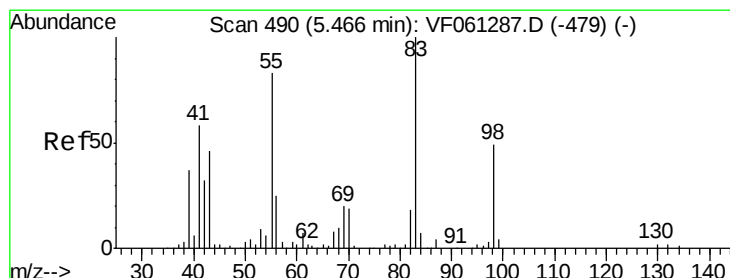
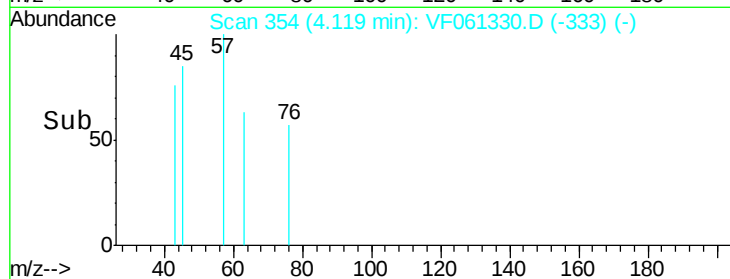
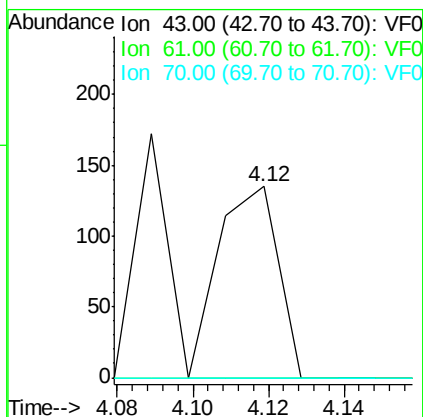
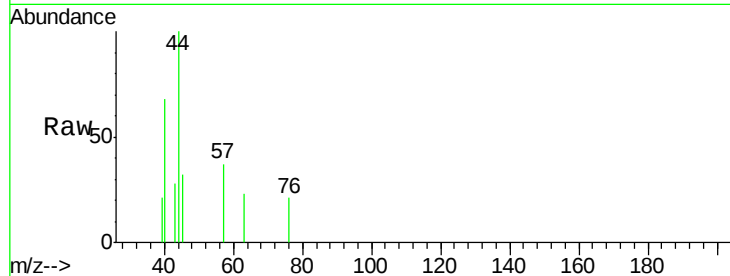




#37
Ethyl Acetate
Concen: 437.565 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF061330.D
Acq: 10 Jan 2019 7:01

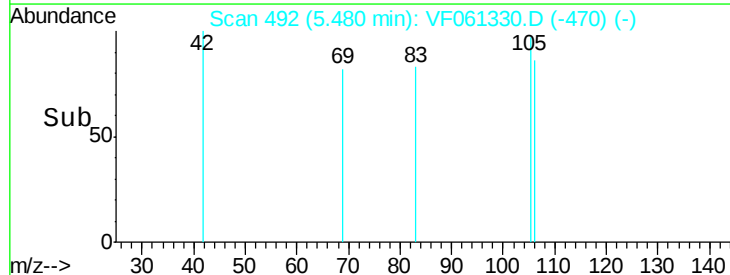
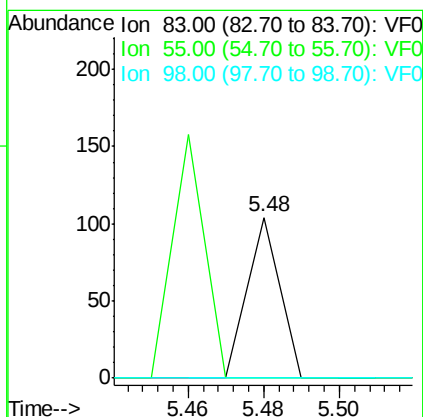
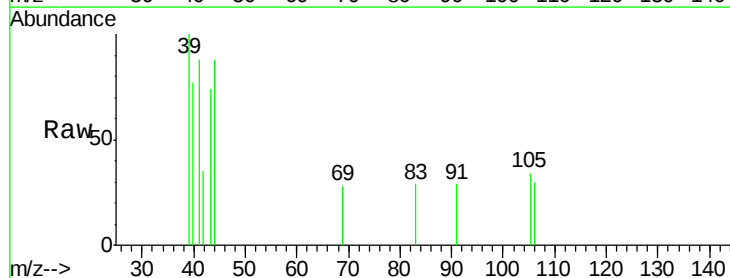
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CROSSWICKS-DRUM-2

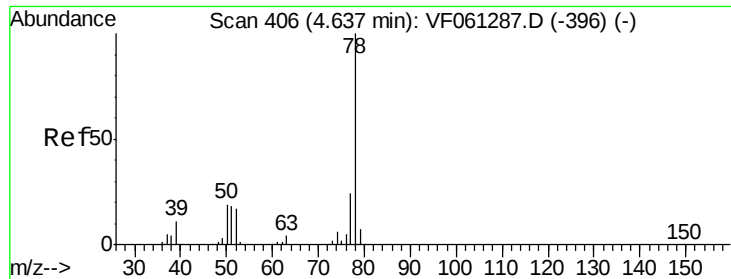
Tot Ion: 43 Resp: 147
Ion Ratio Lower Upper
43 100
61 0.0 113.3 169.9#
70 0.0 9.4 14.0#



#39
Methylcyclohexane
Concen: 53.711 ug/l
RT: 5.48 min Scan# 492
Delta R.T. 0.01 min
Lab File: VF061330.D
Acq: 10 Jan 2019 7:01

Tgt Ion: 83 Resp: 62
Ion Ratio Lower Upper
83 100
55 0.0 66.4 99.6#
98 0.0 39.1 58.7#

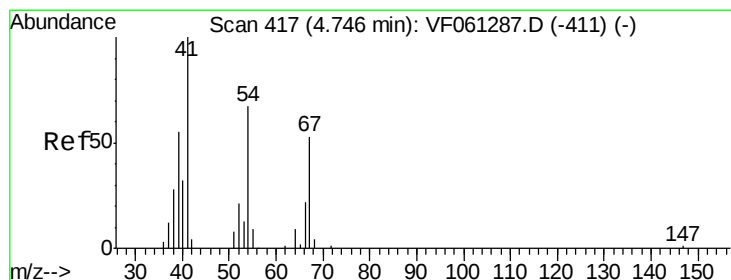
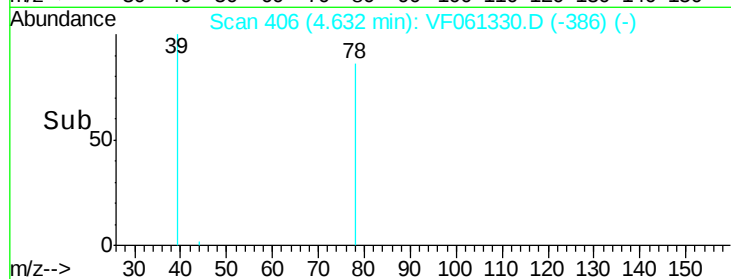
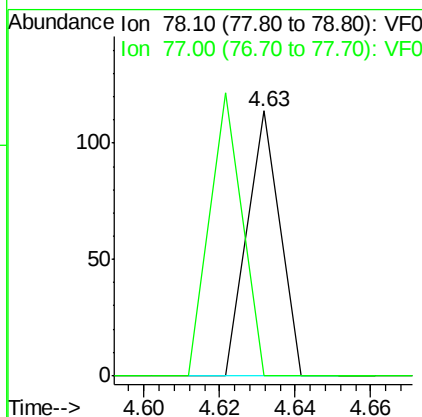
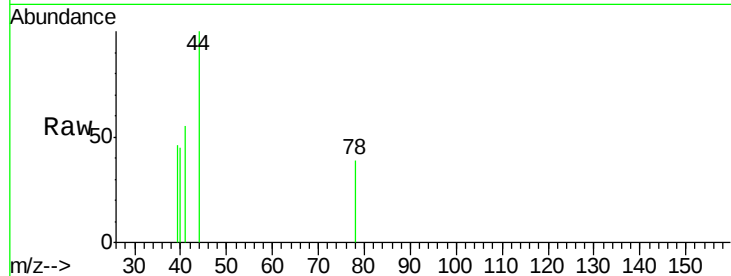




#40
Benzene
Concen: 31.108 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.01 min
Lab File: VF061330.D
Acq: 10 Jan 2019 7:01

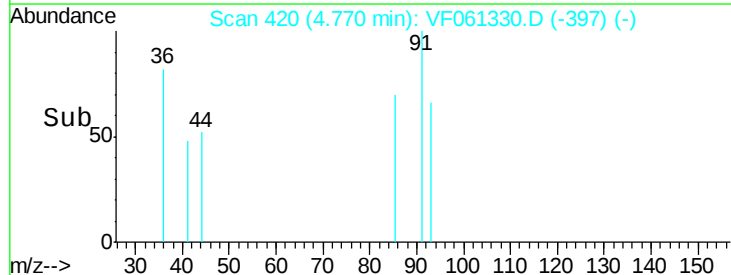
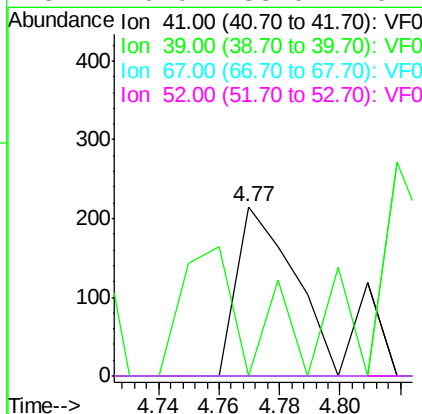
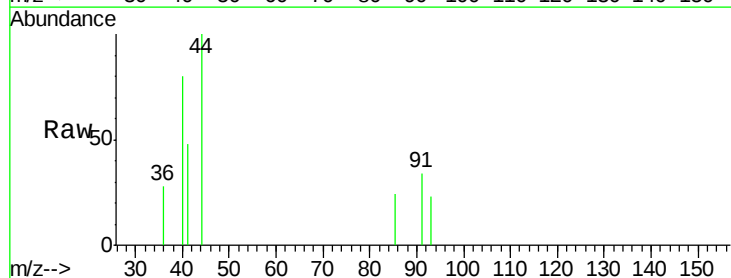
Instrument :
MSVOA_F
ClientSampleId :
CROSSWICKS-DRUM-2

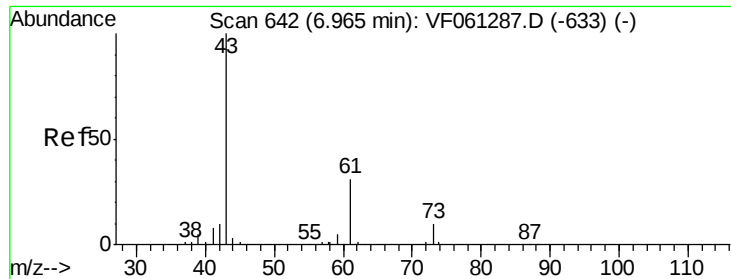
Tot Ion: 78 Resp: 67
Ion Ratio Lower Upper
78 100
77 0.0 19.1 28.7#



#41
Methacrylonitrile
Concen: 1524.467 ug/l
RT: 4.77 min Scan# 420
Delta R.T. 0.02 min
Lab File: VF061330.D
Acq: 10 Jan 2019 7:01

Tgt Ion: 41 Resp: 286
Ion Ratio Lower Upper
41 100
39 0.0 52.7 79.1#
67 0.0 41.4 62.2#
52 0.0 33.0 49.4#



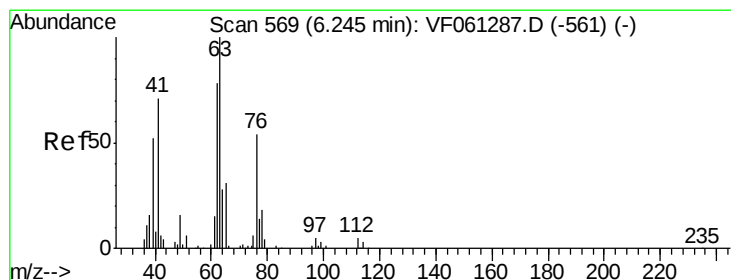
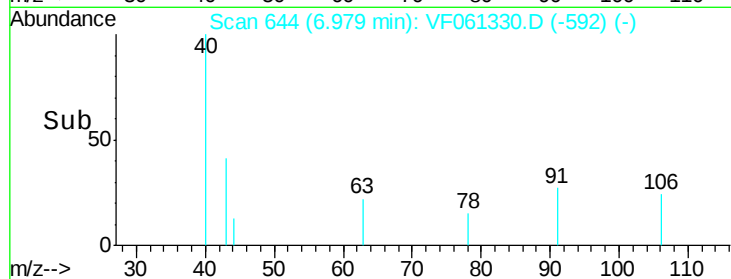
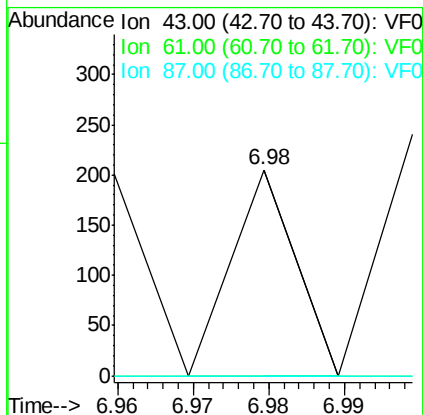
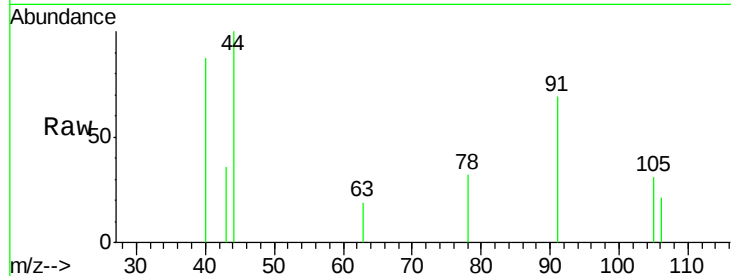


#43

Isopropyl Acetate
 Concen: 272.809 ug/l
 RT: 6.98 min Scan# 644
 Delta R.T. 0.01 min
 Lab File: VF061330.D
 Acq: 10 Jan 2019 7:01

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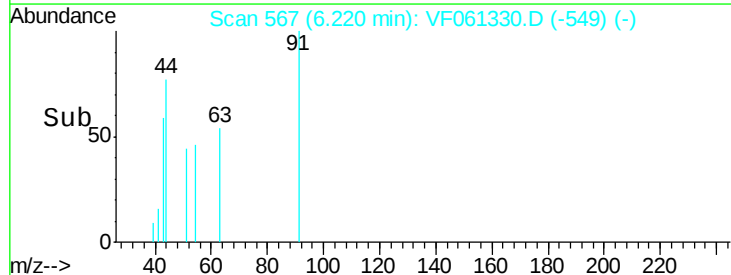
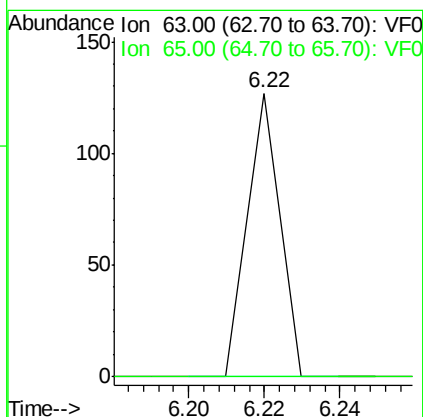
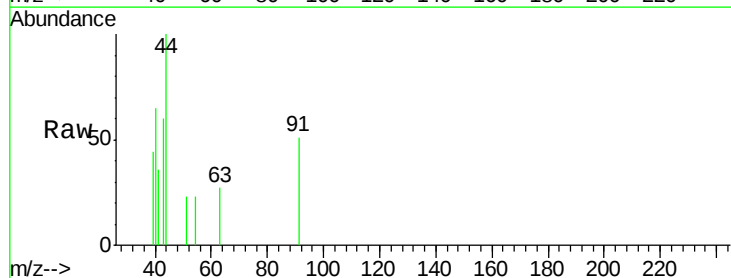
Tot Ion: 43 Resp: 121
 Ion Ratio Lower Upper
 43 100
 61 0.0 24.3 36.5#
 87 0.0 0.2 0.4#

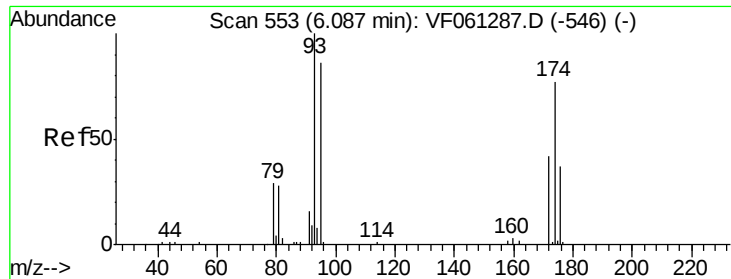


#45

1,2-Dichloropropane
 Concen: 136.935 ug/l
 RT: 6.22 min Scan# 567
 Delta R.T. -0.03 min
 Lab File: VF061330.D
 Acq: 10 Jan 2019 7:01

Tgt Ion: 63 Resp: 75
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.1 37.7#

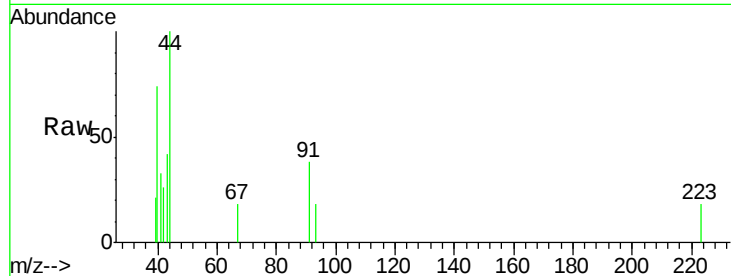




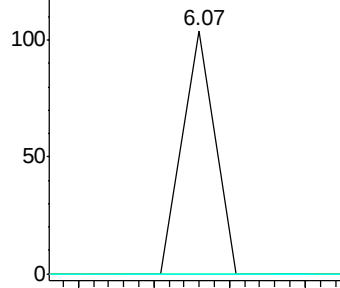
#46
Dibromomethane
Concen: 184.370 ug/l
RT: 6.07 min Scan# 552
Delta R.T. -0.02 min
Lab File: VF061330.D
Acq: 10 Jan 2019 7:01

Instrument :
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ClientSampleId :
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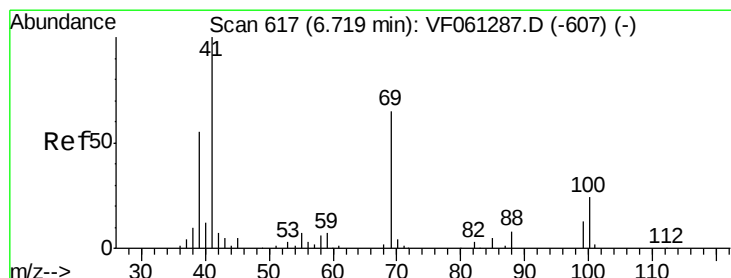
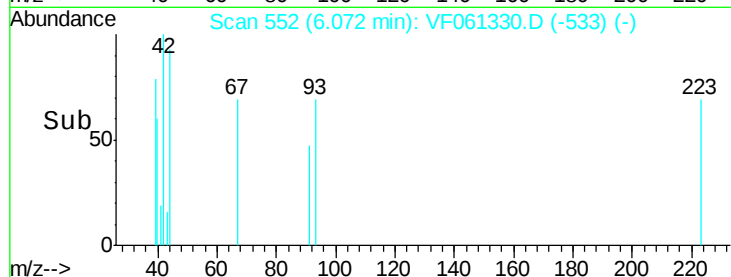
Tot Ion: 93 Resp: 62
Ion Ratio Lower Upper
93 100
95 0.0 68.8 103.2#
174 0.0 62.9 94.3#



Abundance Ion 93.00 (92.70 to 93.70): VF0
Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V

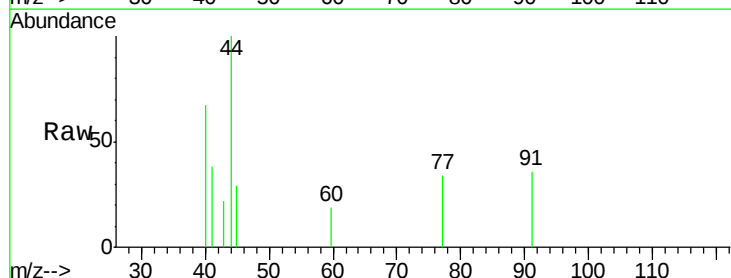


Time-->

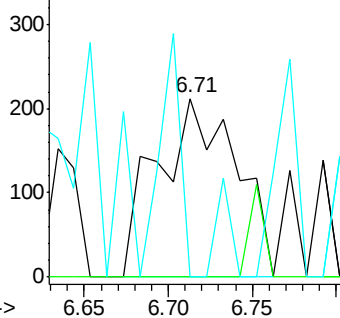


#48
Methyl methacrylate
Concen: 2414.081 ug/l
RT: 6.71 min Scan# 617
Delta R.T. -0.01 min
Lab File: VF061330.D
Acq: 10 Jan 2019 7:01

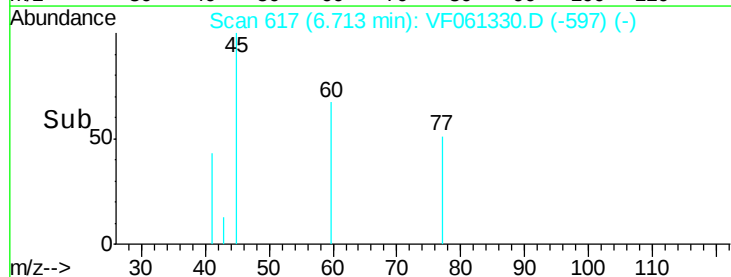
Tgt Ion: 41 Resp: 695
Ion Ratio Lower Upper
41 100
69 0.0 51.5 77.3#
39 0.0 44.1 66.1#

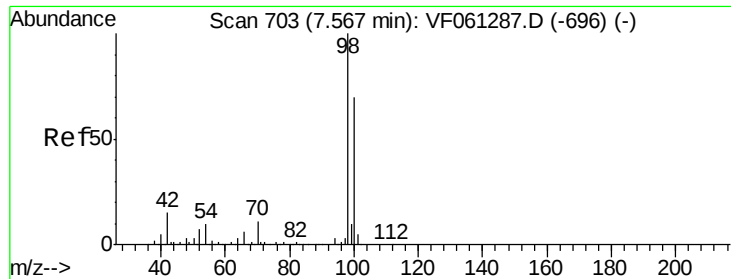


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0



Time-->





#50

Toluene-d8

Concen: 89.445 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF061330.D

Acq: 10 Jan 2019 7:01

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ClientSampleId :

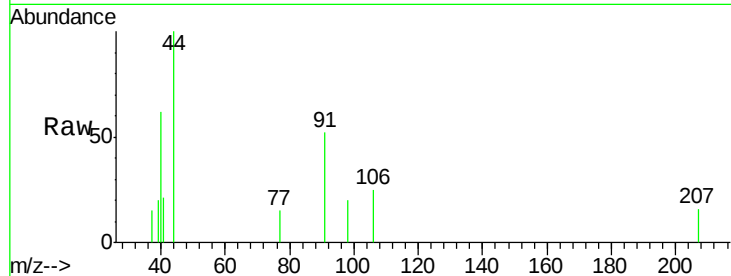
CROSSWICKS-DRUM-2

Tot Ion: 98 Resp: 160

Ion Ratio Lower Upper

98 100

100 0.0 55.6 83.4#



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.55

150

100

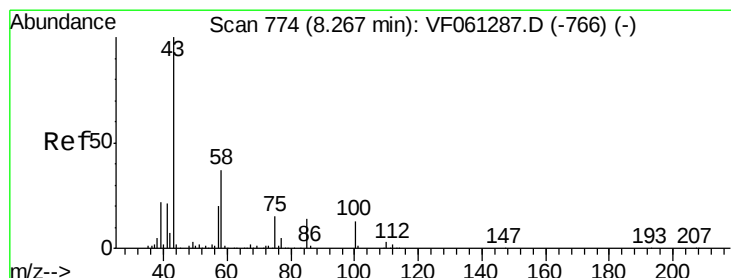
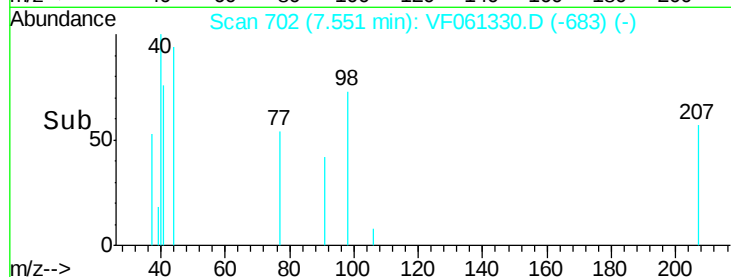
50

0

7.55

7.60

Time-->



#51

4-Methyl-2-Pentanone

Concen: 5508.122 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.01 min

Lab File: VF061330.D

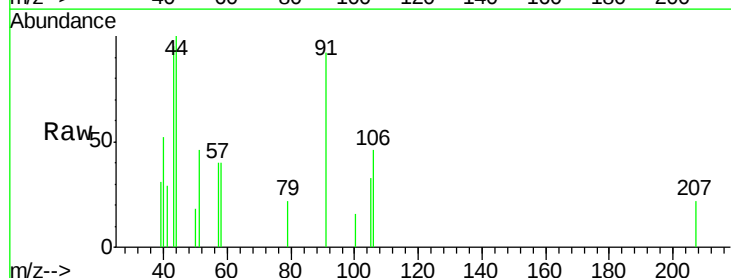
Acq: 10 Jan 2019 7:01

Tgt Ion: 43 Resp: 1844

Ion Ratio Lower Upper

43 100

58 41.8 29.6 44.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.28

600

400

200

0

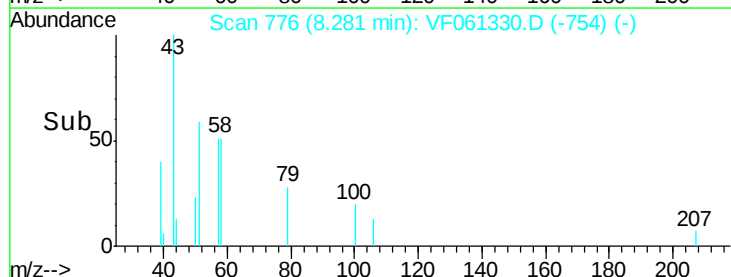
8.20

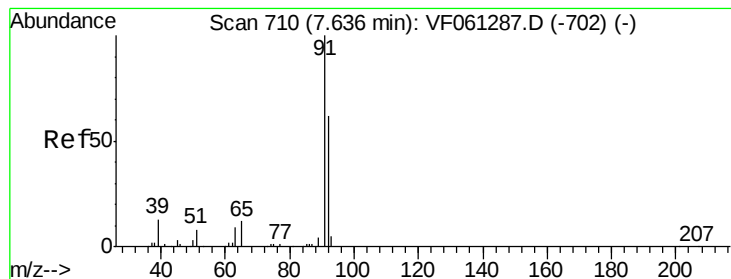
8.25

8.30

8.35

Time-->





#52

Toluene

Concen: 378.516 ug/l

RT: 7.64 min Scan# 711

Delta R.T. 0.00 min

Lab File: VF061330.D

Acq: 10 Jan 2019 7:01

Instrument :

MSVOA_F

ClientSampleId :

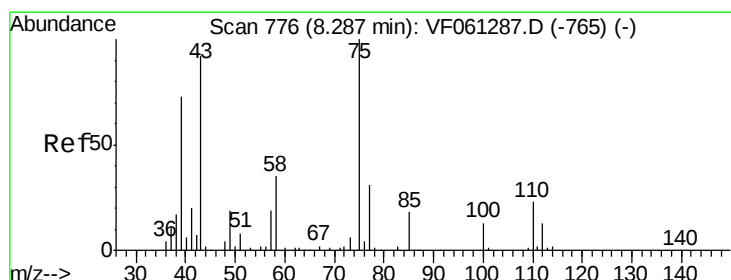
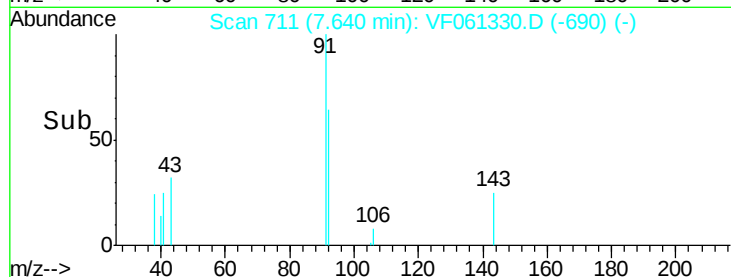
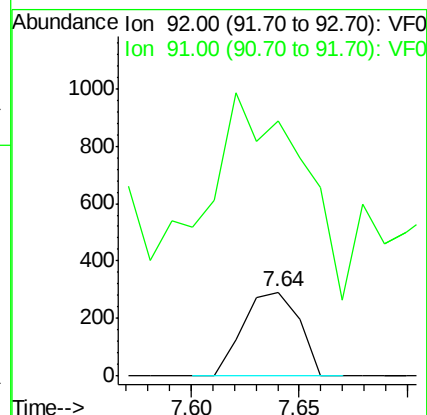
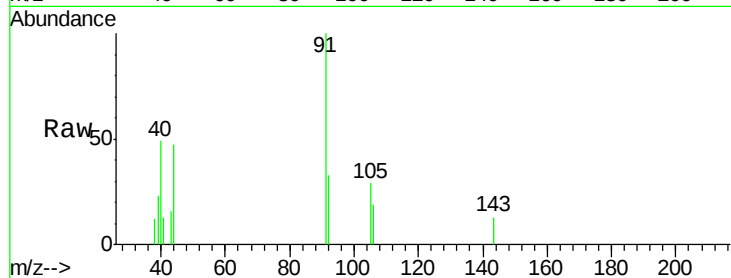
CROSSWICKS-DRUM-2

Tot Ion: 92 Resp: 524

Ion Ratio Lower Upper

92 100

91 304.1 129.2 193.8#



#53

t-1,3-Dichloropropene

Concen: 109.622 ug/l

RT: 8.37 min Scan# 785

Delta R.T. 0.08 min

Lab File: VF061330.D

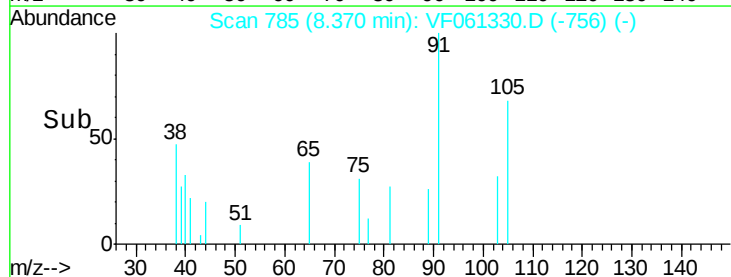
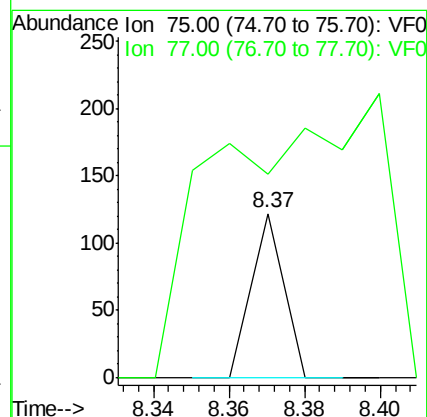
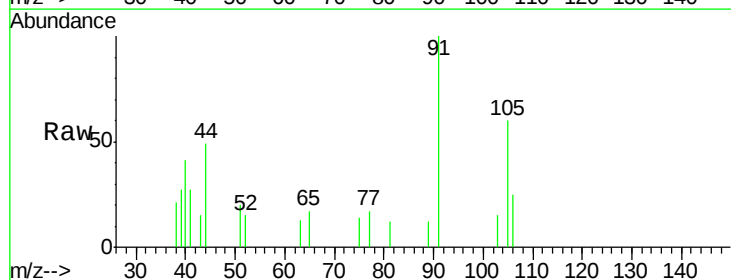
Acq: 10 Jan 2019 7:01

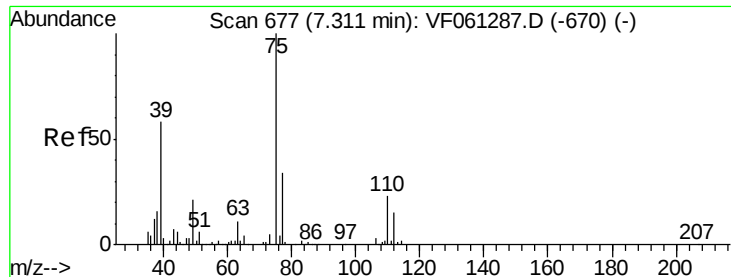
Tgt Ion: 75 Resp: 72

Ion Ratio Lower Upper

75 100

77 123.8 24.7 37.1#





#54

cis-1,3-Dichloropropene

Concen: 96.457 ug/l

RT: 7.25 min Scan# 671

Delta R.T. -0.07 min

Lab File: VF061330.D

Acq: 10 Jan 2019 7:01

Instrument :

MSVOA_F

ClientSampleId :

CROSSWICKS-DRUM-2

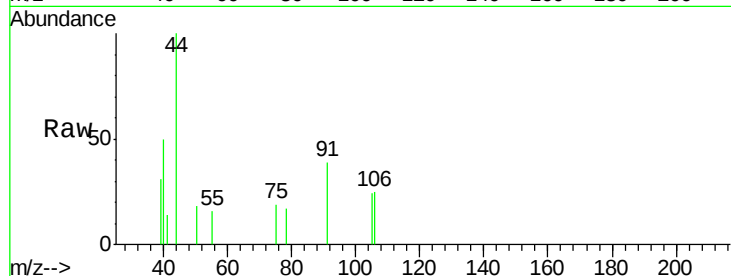
Tot Ion: 75 Resp: 84

Ion Ratio Lower Upper

75 100

77 0.0 27.3 40.9#

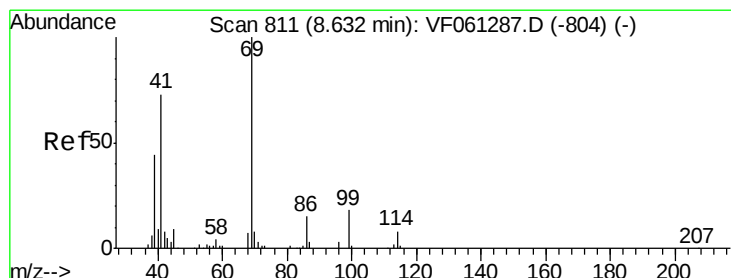
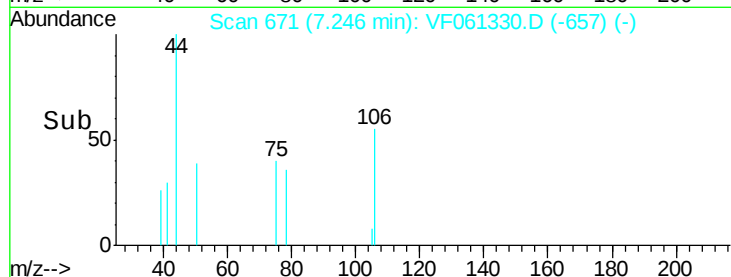
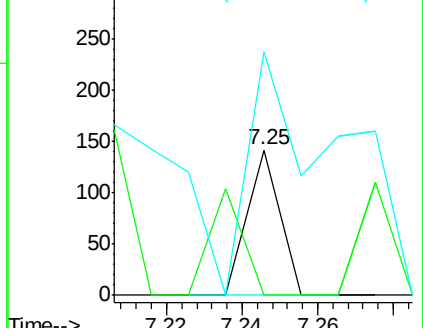
39 167.6 46.3 69.5#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#56

Ethyl methacrylate

Concen: 180.158 ug/l

RT: 8.64 min Scan# 812

Delta R.T. 0.00 min

Lab File: VF061330.D

Acq: 10 Jan 2019 7:01

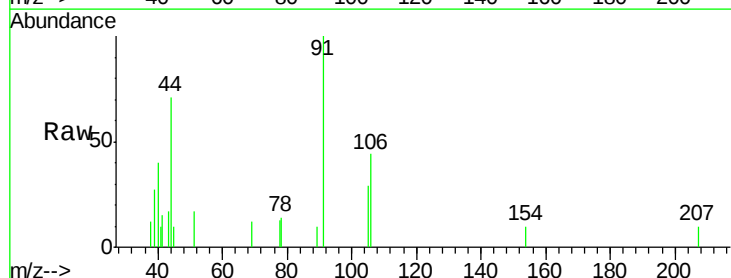
Tgt Ion: 69 Resp: 78

Ion Ratio Lower Upper

69 100

41 204.6 59.0 88.4#

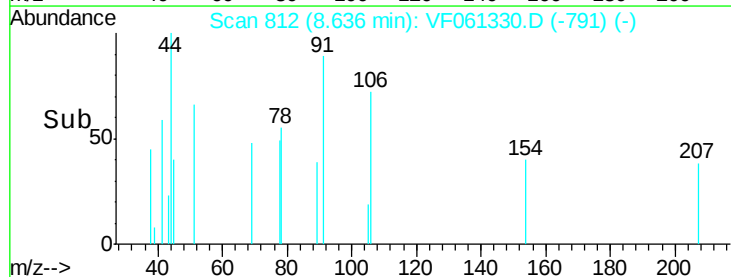
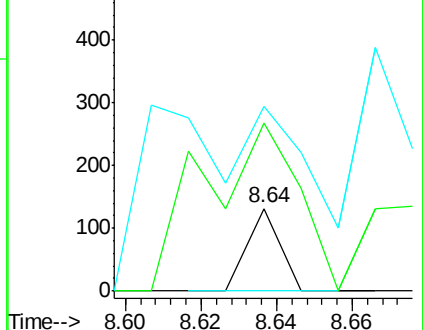
39 225.2 35.3 52.9#

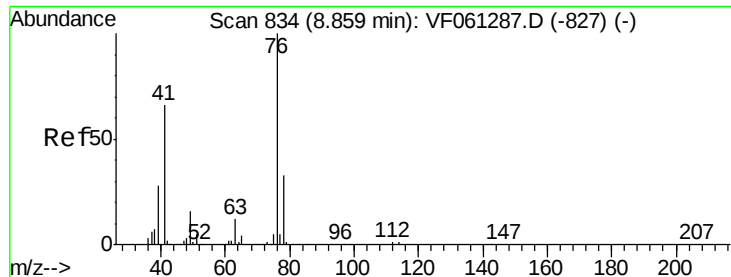


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 86.058 ug/l

RT: 8.92 min Scan# 841

Delta R.T. 0.06 min

Lab File: VF061330.D

Acq: 10 Jan 2019 7:01

Instrument :

MSVOA_F

ClientSampleId :

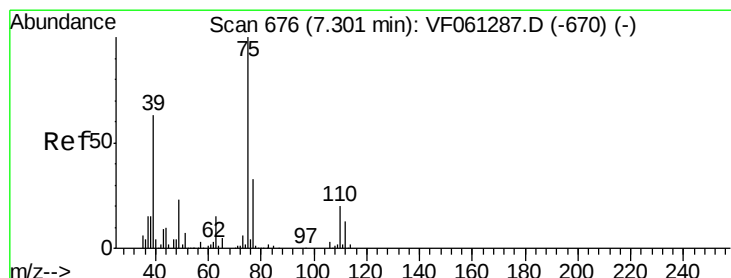
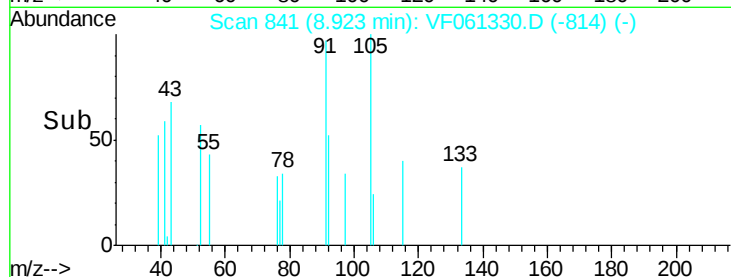
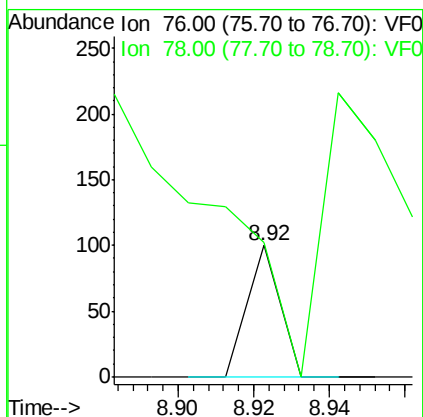
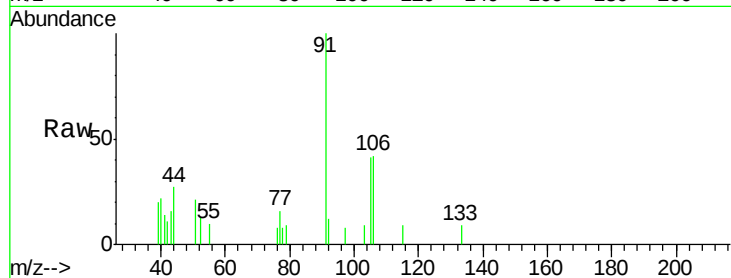
CROSSWICKS-DRUM-2

Tot Ion: 76 Resp: 59

Ion Ratio Lower Upper

76 100

78 102.0 26.8 40.2#



#58

2-Chloroethyl Vinyl ether

Concen: 3739.773 ug/l

RT: 7.29 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061330.D

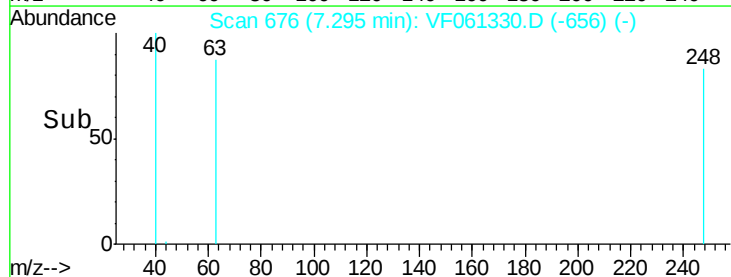
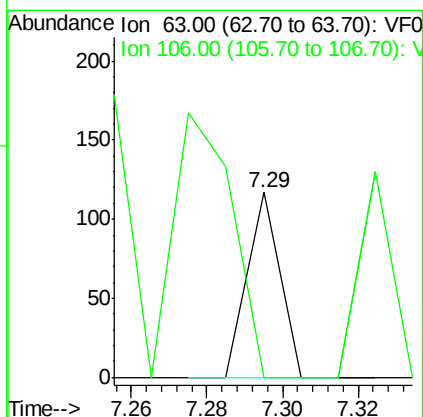
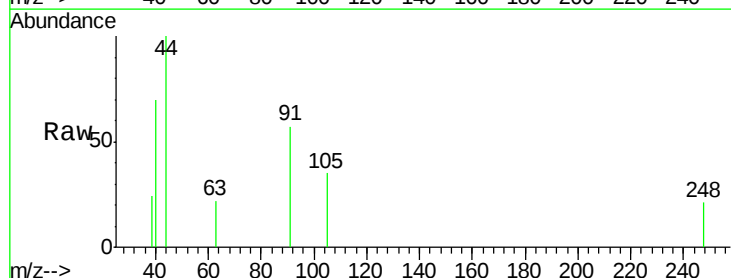
Acq: 10 Jan 2019 7:01

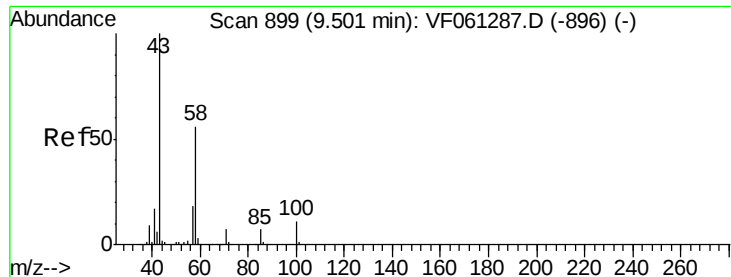
Tgt Ion: 63 Resp: 69

Ion Ratio Lower Upper

63 100

106 0.0 16.5 24.7#

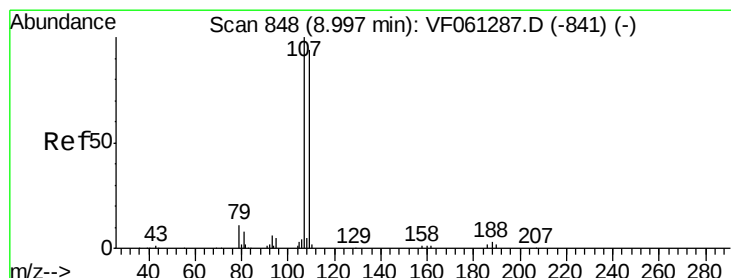
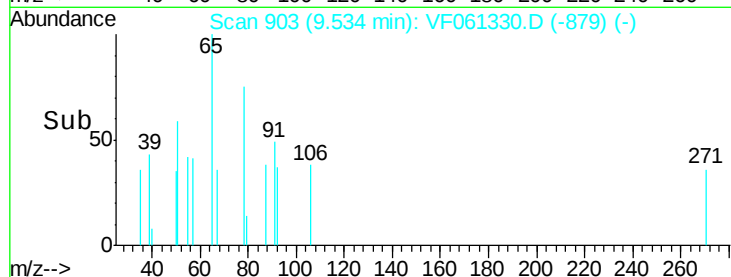
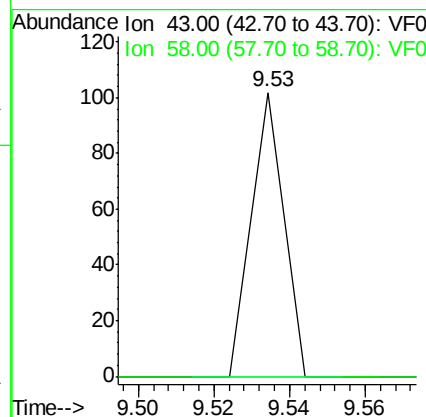
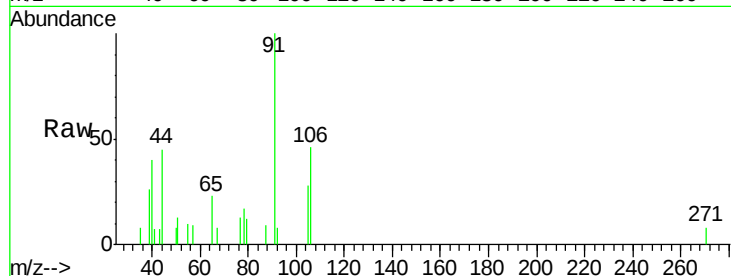




#59
2-Hexanone
Concen: 252.979 ug/l
RT: 9.53 min Scan# 903
Delta R.T. 0.03 min
Lab File: VF061330.D
Acq: 10 Jan 2019 7:01

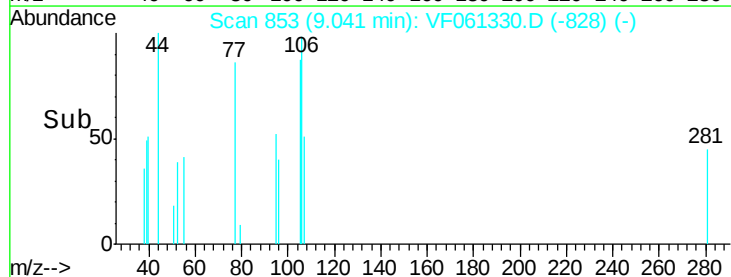
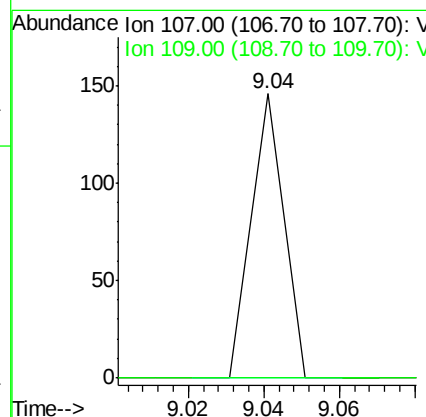
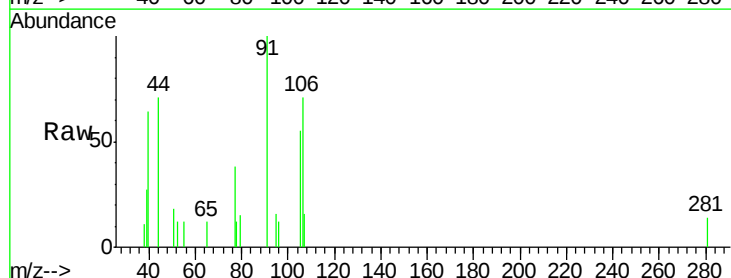
Instrument :
MSVOA_F
ClientSampleId :
CROSSWICKS-DRUM-2

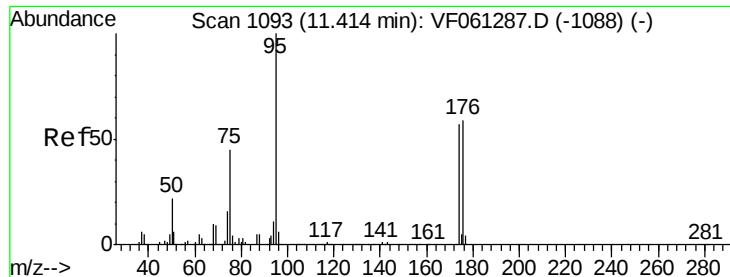
Tot Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
58 0.0 25.6 76.8#



#61
1,2-Dibromoethane
Concen: 217.786 ug/l
RT: 9.04 min Scan# 853
Delta R.T. 0.04 min
Lab File: VF061330.D
Acq: 10 Jan 2019 7:01

Tgt Ion: 107 Resp: 86
Ion Ratio Lower Upper
107 100
109 0.0 75.1 112.7#





#62

4-Bromofluorobenzene

Concen: 308.539 ug/l

RT: 11.45 min Scan# 1097

Delta R.T. 0.03 min

Lab File: VF061330.D

Acq: 10 Jan 2019 7:01

Instrument :

MSVOA_F

ClientSampleId :

CROSSWICKS-DRUM-2

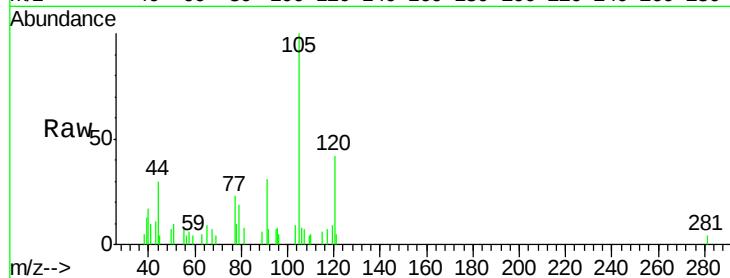
Tot Ion: 95 Resp: 241

Ion Ratio Lower Upper

95 100

174 0.0 0.0 114.2

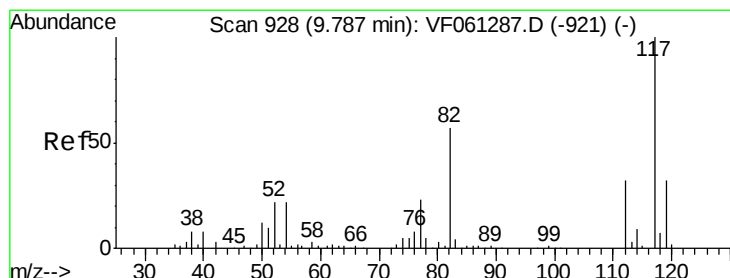
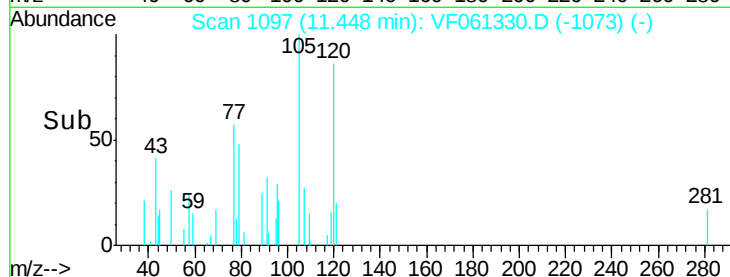
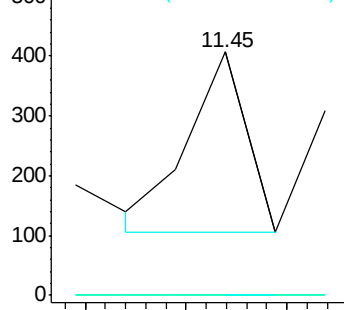
176 0.0 0.0 117.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.01 min

Lab File: VF061330.D

Acq: 10 Jan 2019 7:01

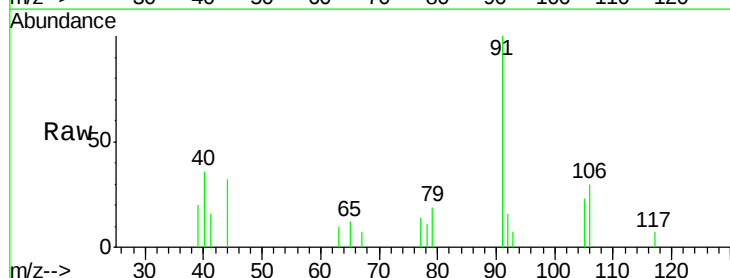
Tgt Ion: 117 Resp: 60

Ion Ratio Lower Upper

117 100

82 0.0 45.3 67.9#

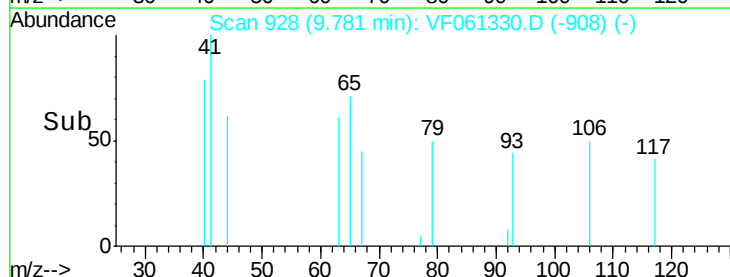
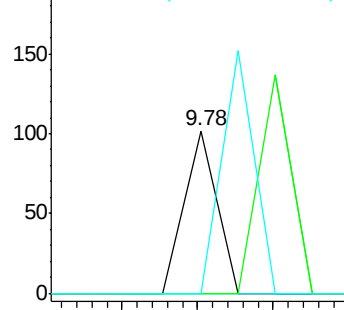
119 0.0 25.4 38.0#

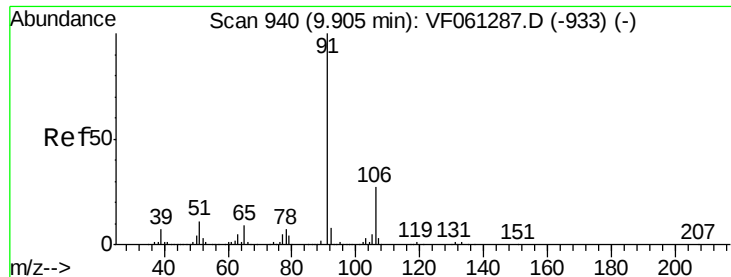


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 21225.579 ug/l

RT: 9.91 min Scan# 941

Delta R.T. 0.00 min

Lab File: VF061330.D

Acq: 10 Jan 2019 7:01

Instrument :

MSVOA_F

ClientSampleId :

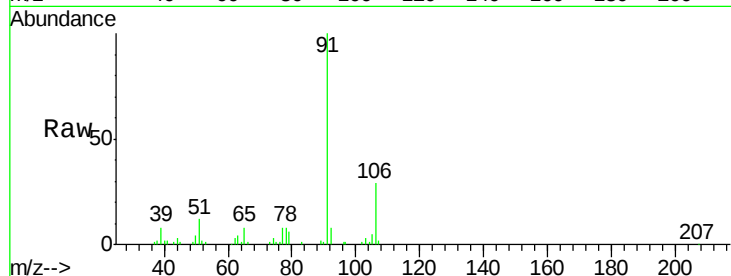
CROSSWICKS-DRUM-2

Tot Ion: 91 Resp: 49585

Ion Ratio Lower Upper

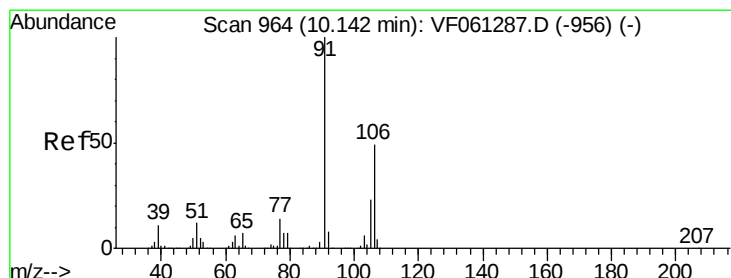
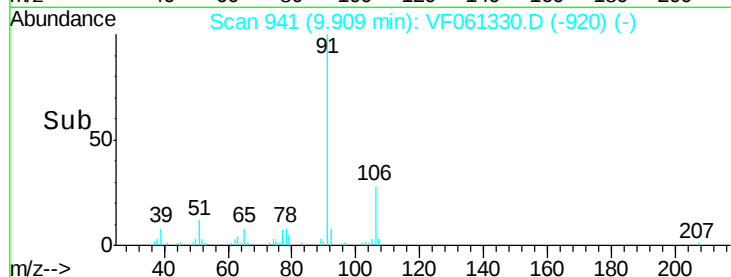
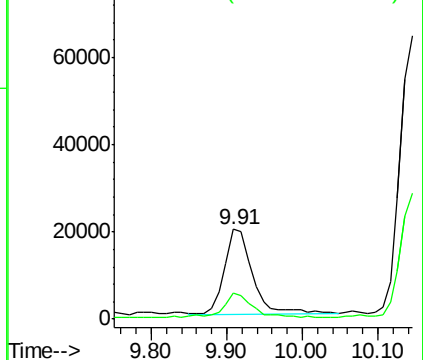
91 100

106 28.5 21.4 32.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 82398.899 ug/l

RT: 10.15 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF061330.D

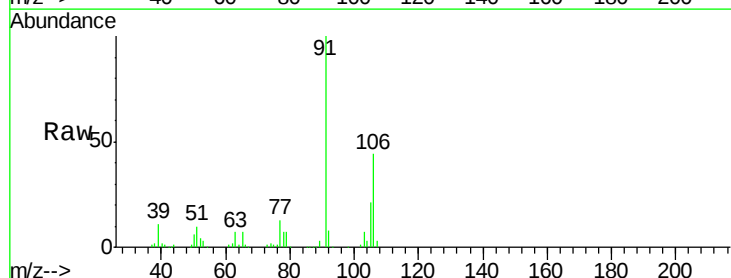
Acq: 10 Jan 2019 7:01

Tgt Ion: 106 Resp: 67145

Ion Ratio Lower Upper

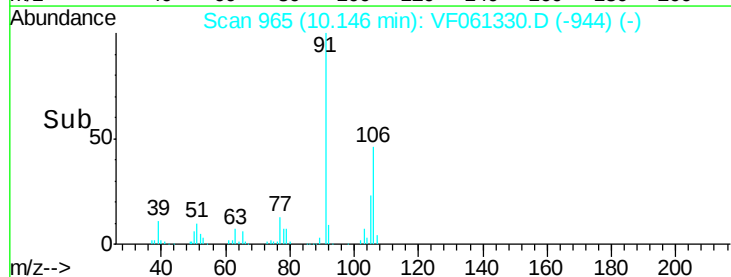
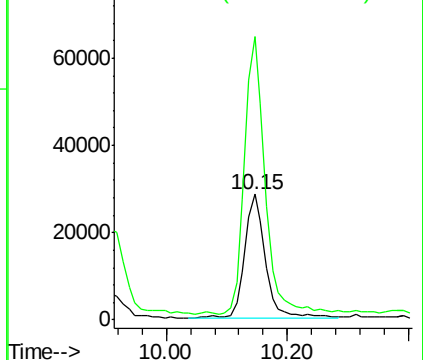
106 100

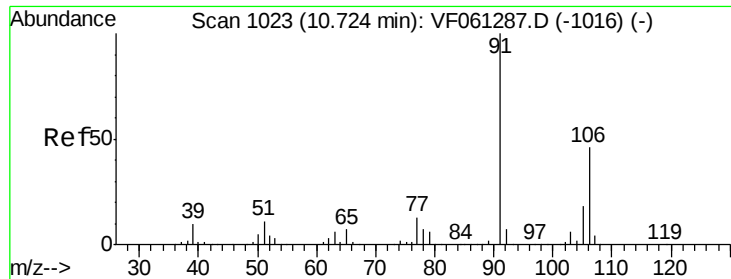
91 225.7 165.0 247.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

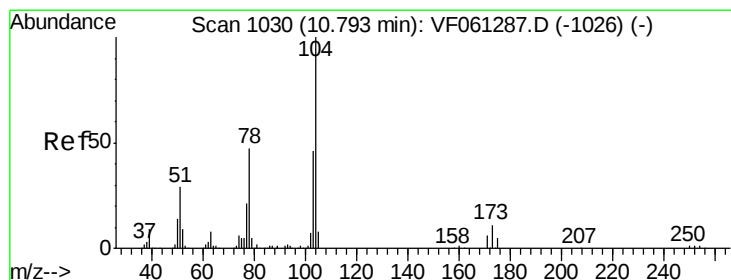
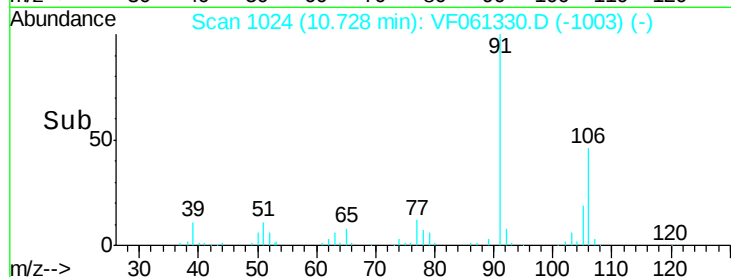
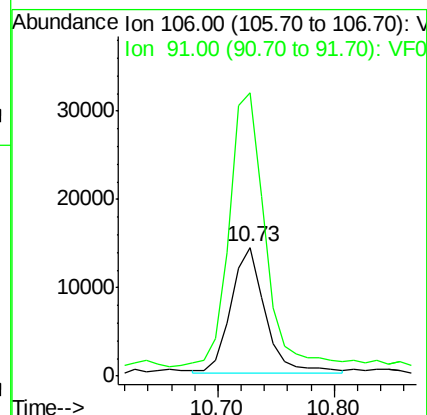
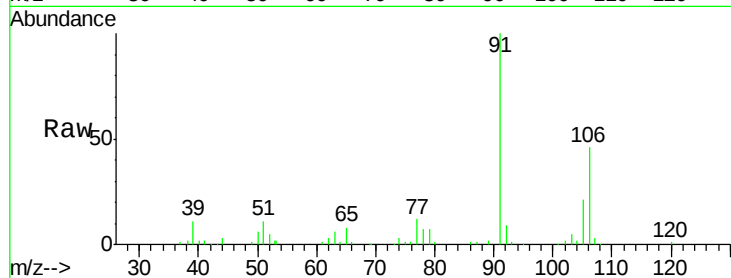




#69
o-Xylene
Concen: 31591.585 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VF061330.D
Acq: 10 Jan 2019 7:01

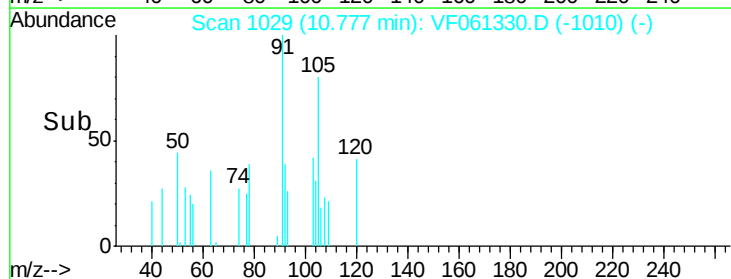
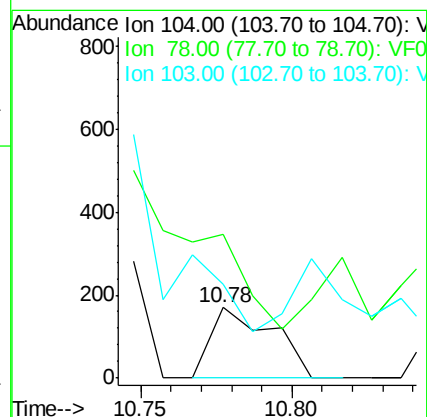
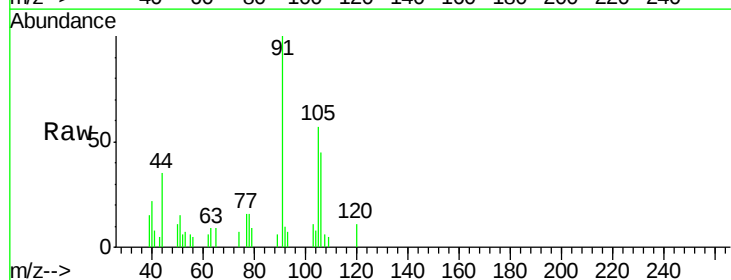
Instrument :
MSVOA_F
ClientSampleId :
CROSSWICKS-DRUM-2

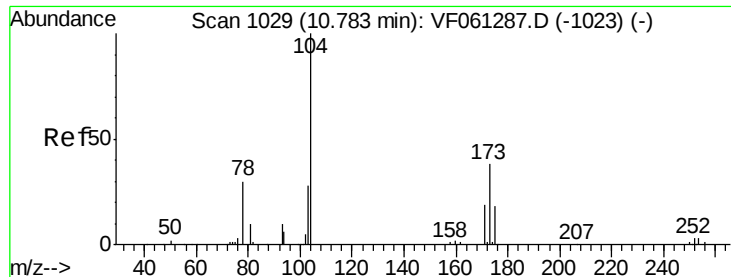
Tot Ion:106 Resp: 28757
Ion Ratio Lower Upper
106 100
91 219.3 108.1 324.4



#70
Styrene
Concen: 197.915 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.02 min
Lab File: VF061330.D
Acq: 10 Jan 2019 7:01

Tgt Ion:104 Resp: 240
Ion Ratio Lower Upper
104 100
78 204.1 38.0 57.0#
103 132.9 36.7 55.1#





#71

Bromoform

Concen: 296.962 ug/l

RT: 10.61 min Scan# 1012

Delta R.T. -0.17 min

Lab File: VF061330.D

Acq: 10 Jan 2019 7:01

Instrument :

MSVOA_F

ClientSampleId :

CROSSWICKS-DRUM-2

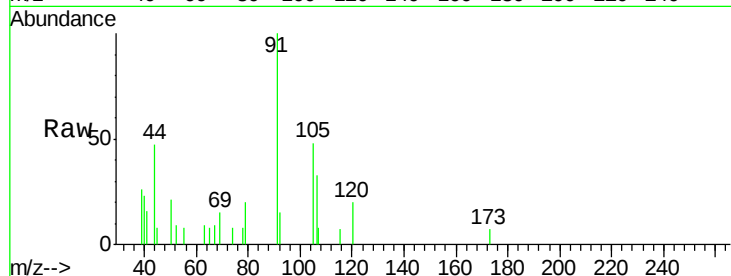
Tot Ion:173 Resp: 60

Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.2#

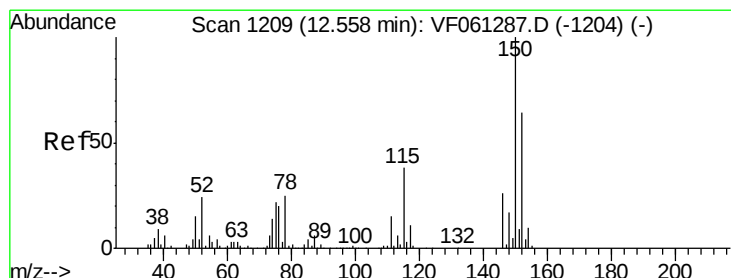
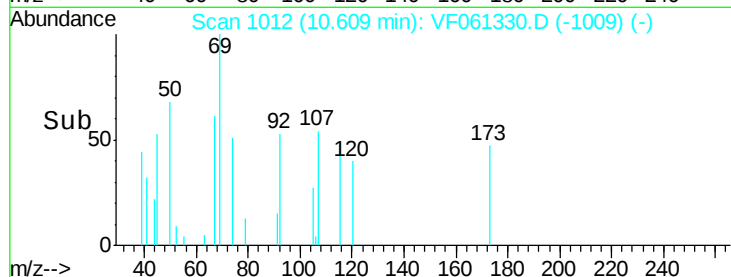
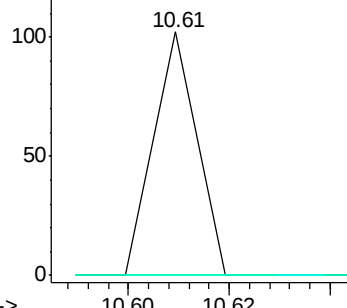
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1216

Delta R.T. 0.06 min

Lab File: VF061330.D

Acq: 10 Jan 2019 7:01

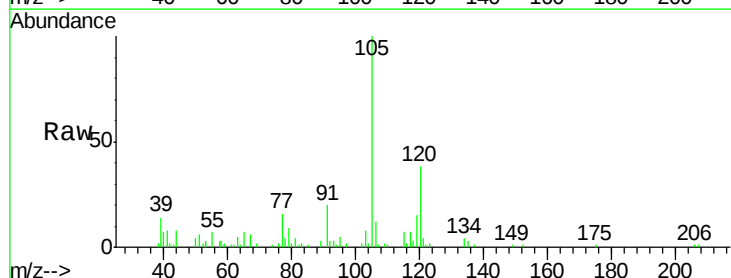
Tgt Ion:152 Resp: 67

Ion Ratio Lower Upper

152 100

115 615.8 29.6 88.9#

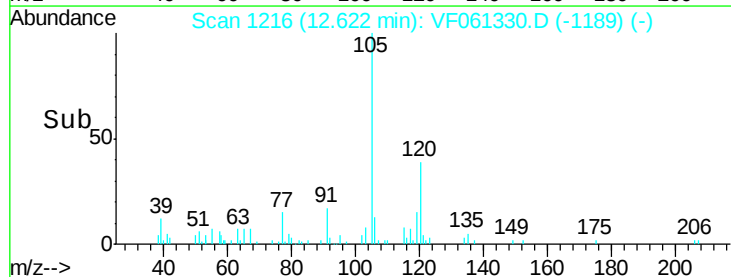
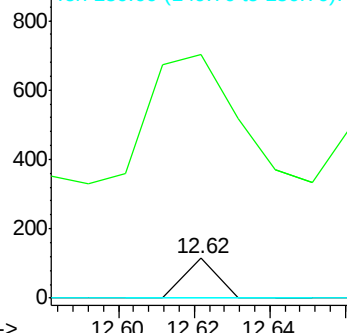
150 0.0 0.0 315.4

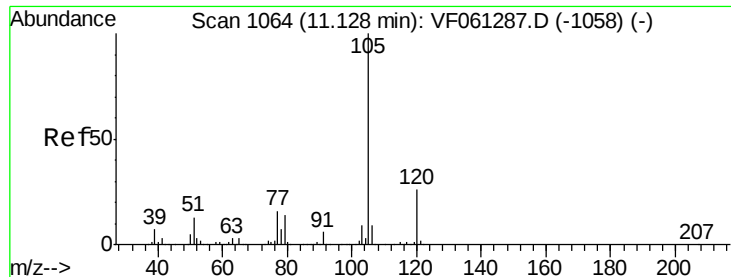


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 437.105 ug/l

RT: 11.14 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VF061330.D

Acq: 10 Jan 2019 7:01

Instrument :

MSVOA_F

ClientSampleId :

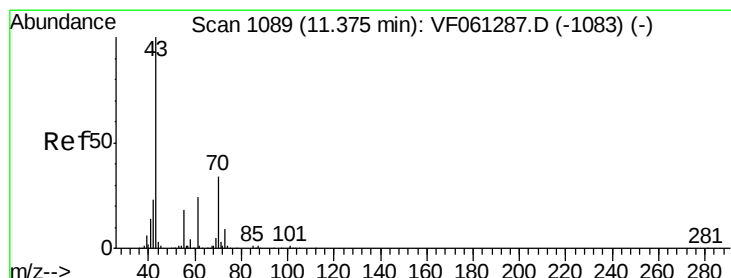
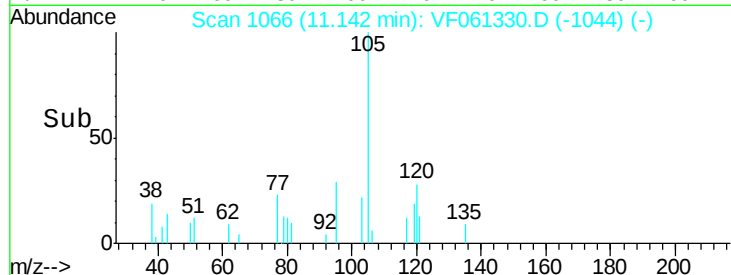
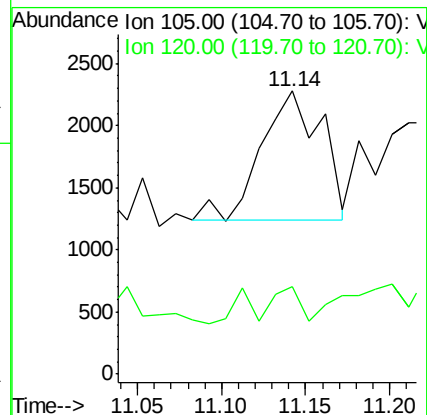
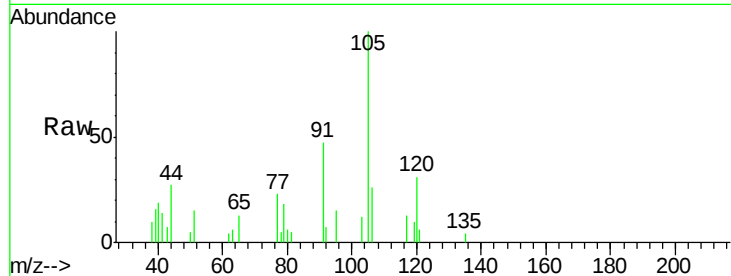
CROSSWICKS-DRUM-2

Tot Ion:105 Resp: 2577

Ion Ratio Lower Upper

105 100

120 31.0 12.9 38.7



#74

N-ethyl acetate

Concen: 349.951 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. 0.02 min

Lab File: VF061330.D

Acq: 10 Jan 2019 7:01

Tgt Ion: 43 Resp: 469

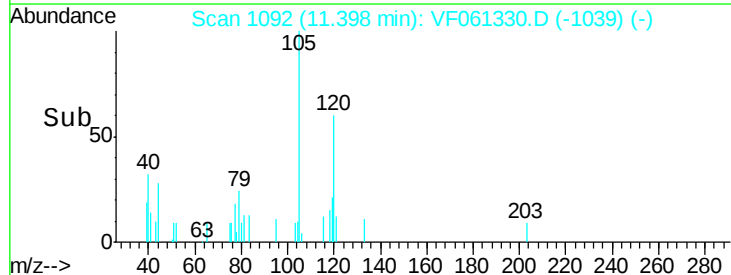
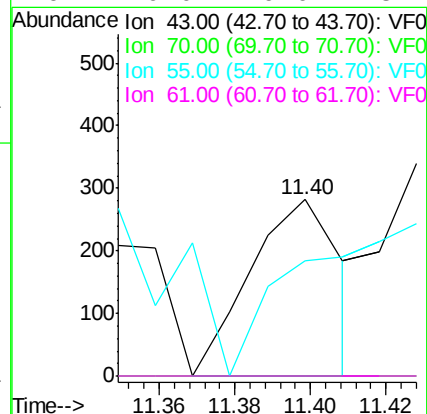
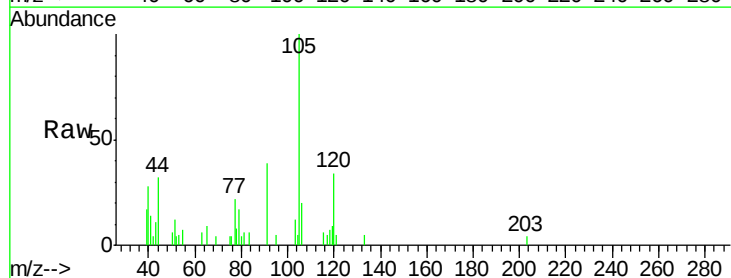
Ion Ratio Lower Upper

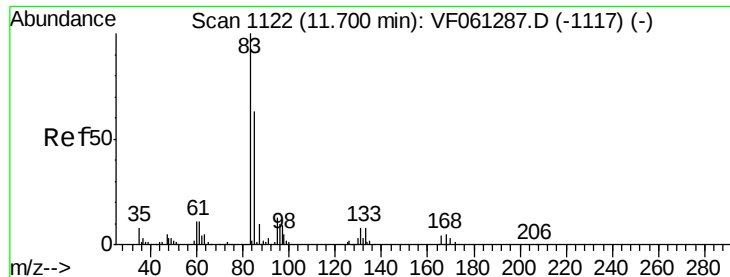
43 100

70 0.0 27.4 41.0#

55 65.6 14.7 22.1#

61 0.0 19.0 28.4#





#75

1,1,2,2-Tetrachloroethane

Concen: 231.068 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF061330.D

Acq: 10 Jan 2019 7:01

Instrument :

MSVOA_F

ClientSampleId :

CROSSWICKS-DRUM-2

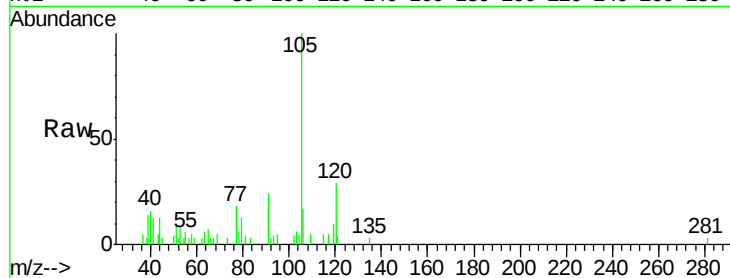
Tot Ion: 83 Resp: 216

Ion Ratio Lower Upper

83 100

131 0.0 3.9 11.7#

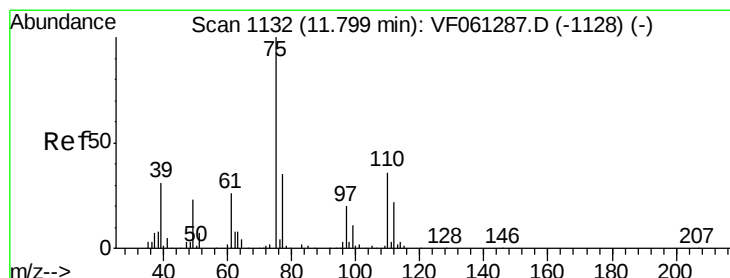
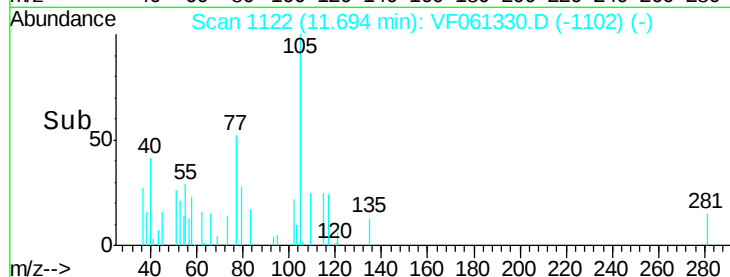
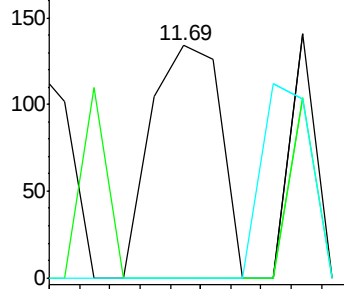
85 0.0 31.6 94.7#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 266.916 ug/l

RT: 11.76 min Scan# 1129

Delta R.T. -0.04 min

Lab File: VF061330.D

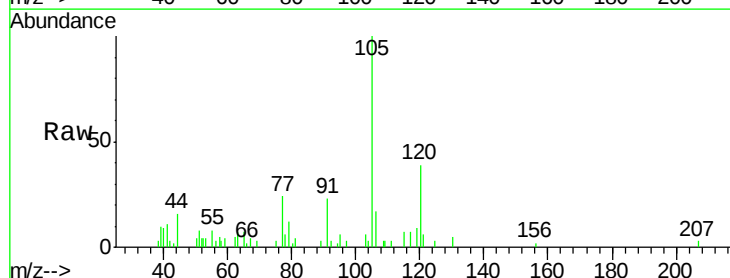
Acq: 10 Jan 2019 7:01

Tgt Ion: 75 Resp: 183

Ion Ratio Lower Upper

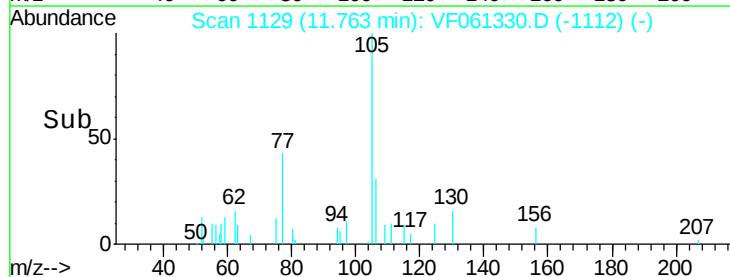
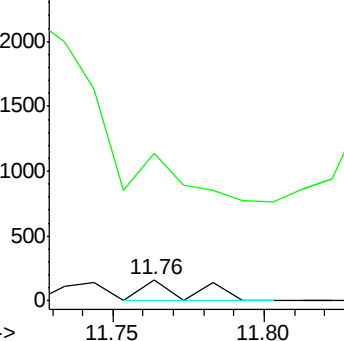
75 100

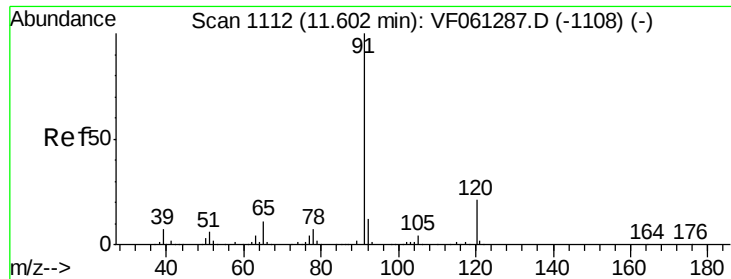
77 686.1 17.5 52.5#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#78

n-propylbenzene

Concen: 852.992 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF061330.D

Acq: 10 Jan 2019 7:01

Instrument :

MSVOA_F

ClientSampleId :

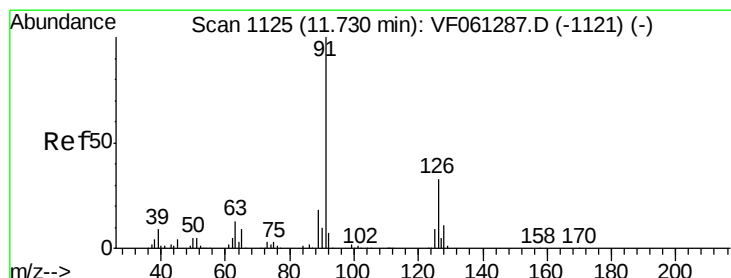
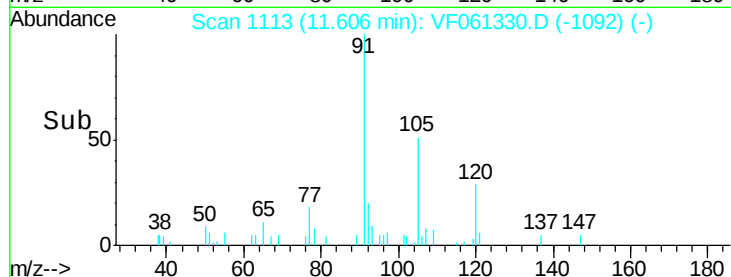
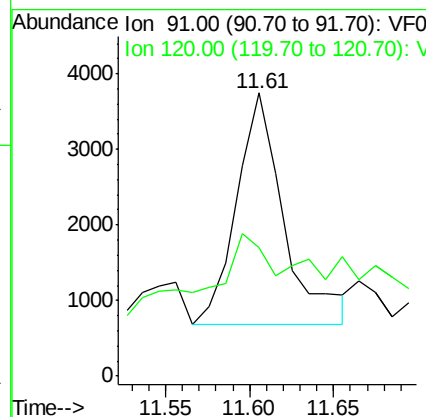
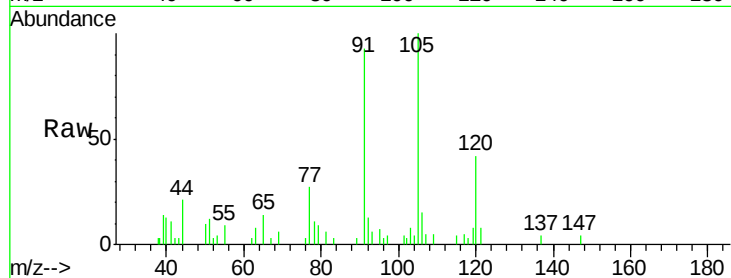
CROSSWICKS-DRUM-2

Tot Ion: 91 Resp: 5996

Ion Ratio Lower Upper

91 100

120 45.2 10.7 32.1#



#79

2-Chlorotoluene

Concen: 1039.478 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VF061330.D

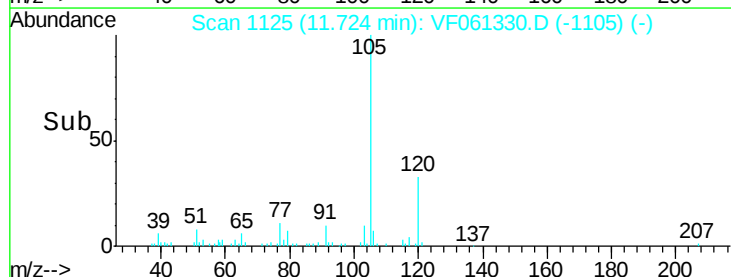
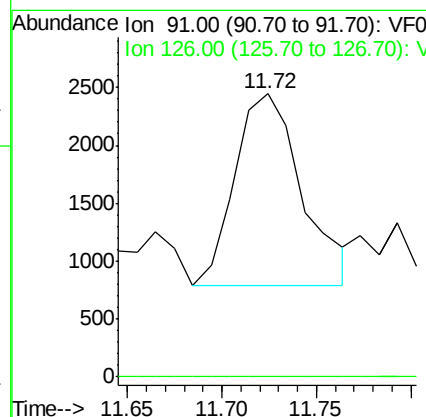
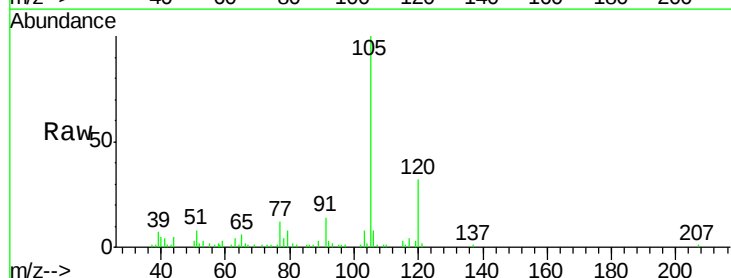
Acq: 10 Jan 2019 7:01

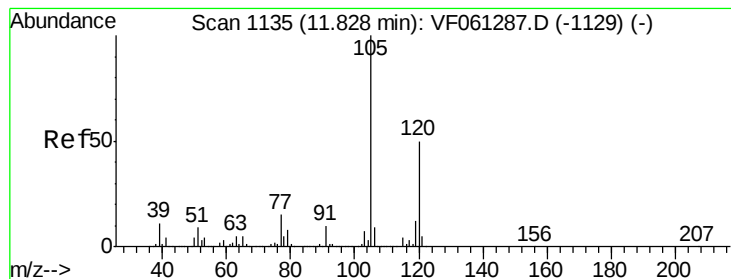
Tgt Ion: 91 Resp: 4071

Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.8#





#80

1,3,5-Trimethylbenzene

Concen: 1984.995 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF061330.D

Acq: 10 Jan 2019 7:01

Instrument :

MSVOA_F

ClientSampleId :

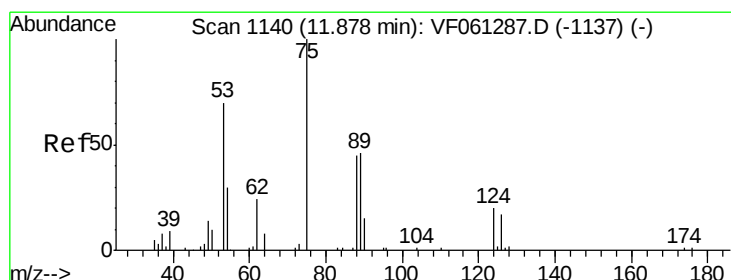
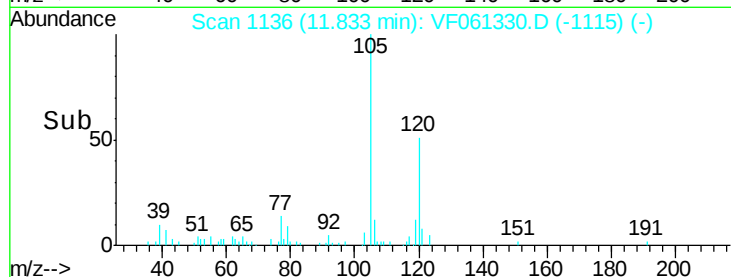
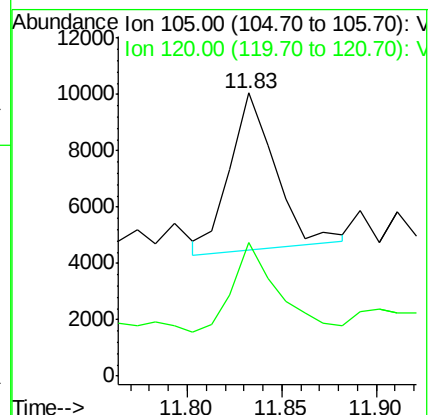
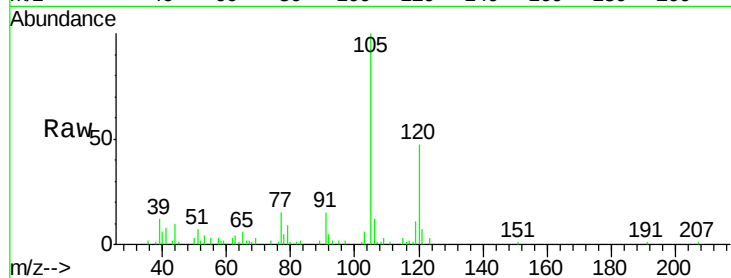
CROSSWICKS-DRUM-2

Tot Ion:105 Resp: 9312

Ion Ratio Lower Upper

105 100

120 47.4 25.2 75.6



#81

trans-1,4-Dichloro-2-butene

Concen: 700.915 ug/l

RT: 11.84 min Scan# 1137

Delta R.T. -0.04 min

Lab File: VF061330.D

Acq: 10 Jan 2019 7:01

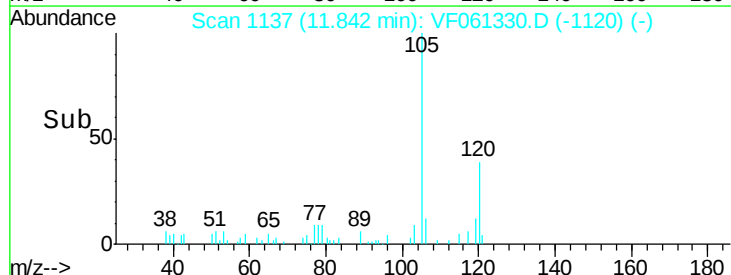
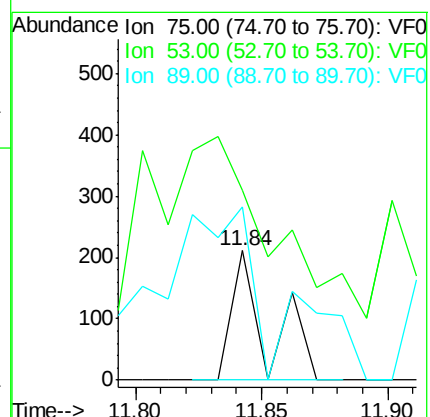
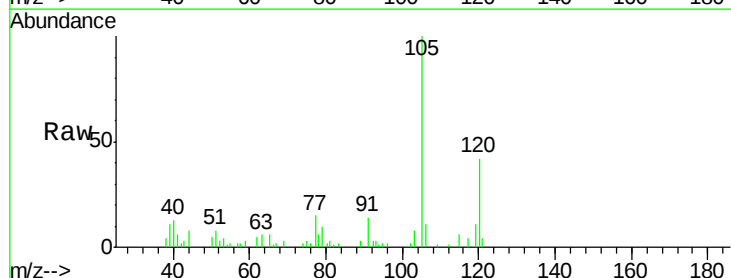
Tgt Ion: 75 Resp: 210

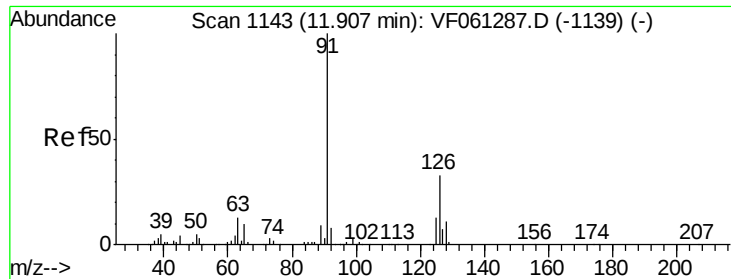
Ion Ratio Lower Upper

75 100

53 146.4 62.2 93.2#

89 134.1 40.2 60.4#





#82

4-Chlorotoluene

Concen: 75.636 ug/l

RT: 11.92 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF061330.D

Acq: 10 Jan 2019 7:01

Instrument :

MSVOA_F

ClientSampleId :

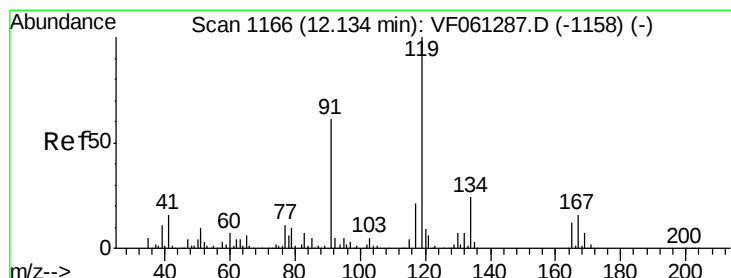
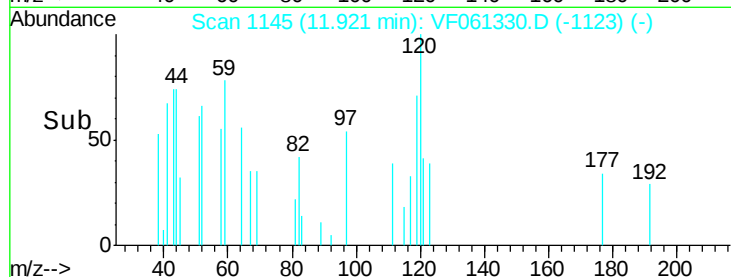
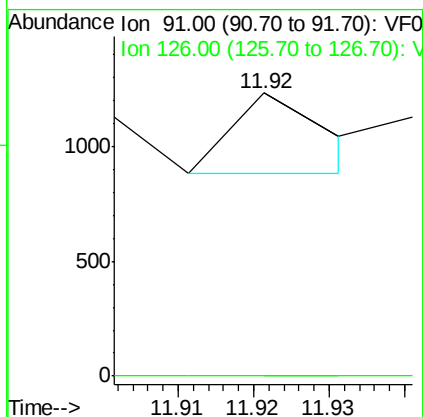
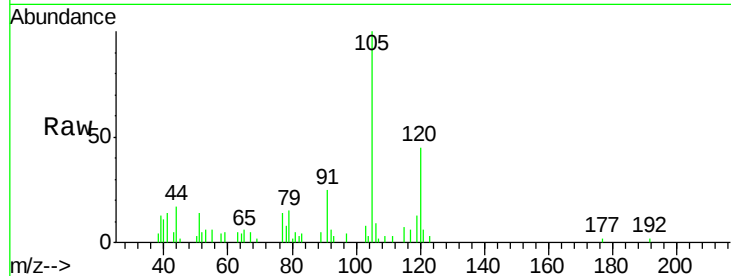
CROSSWICKS-DRUM-2

Tot Ion: 91 Resp: 301

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.4#



#83

tert-Butylbenzene

Concen: 46.643 ug/l

RT: 12.17 min Scan# 1170

Delta R.T. 0.03 min

Lab File: VF061330.D

Acq: 10 Jan 2019 7:01

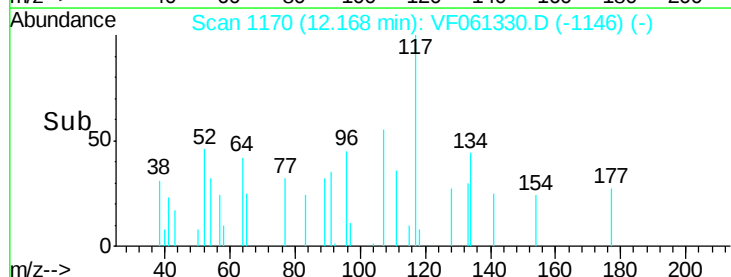
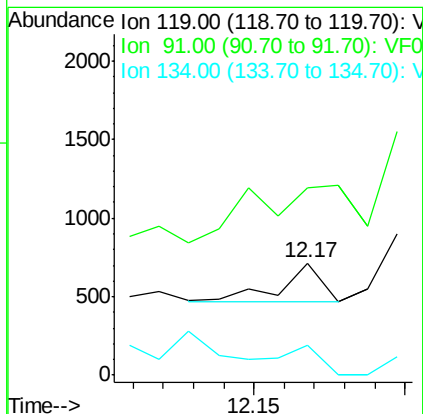
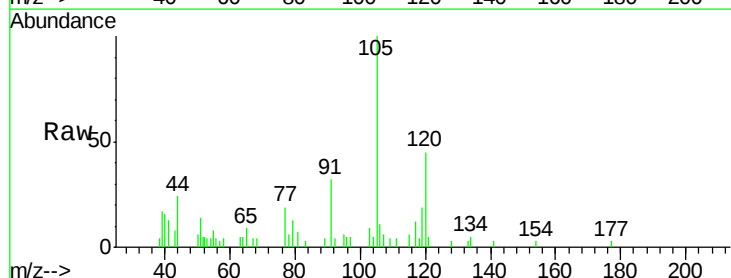
Tgt Ion: 119 Resp: 218

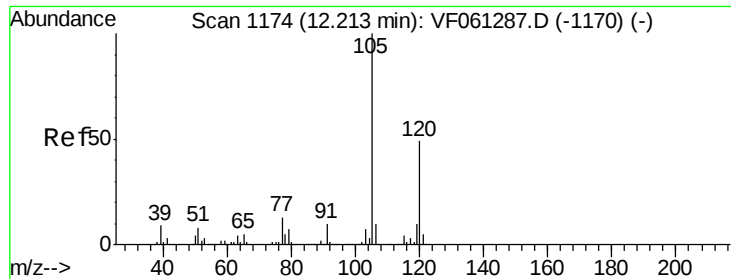
Ion Ratio Lower Upper

119 100

91 167.6 30.8 92.4#

134 26.8 11.9 35.9

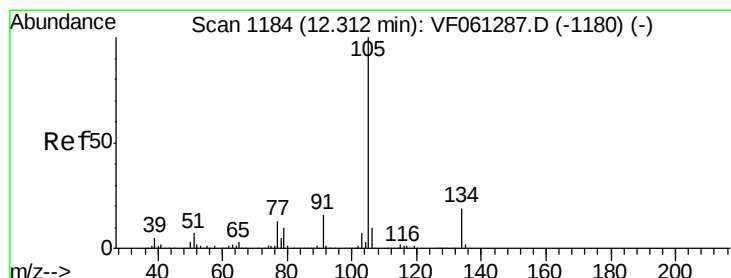
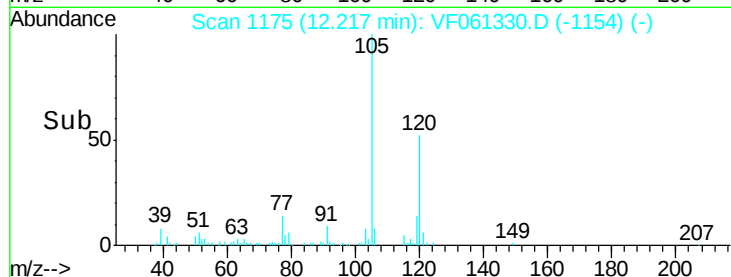
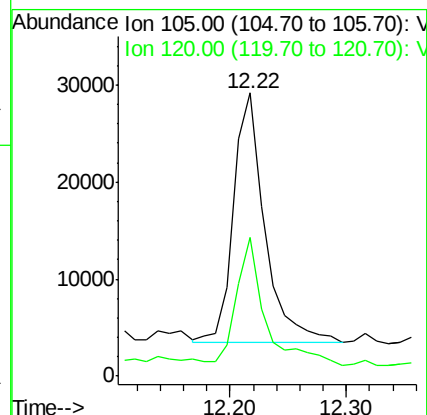
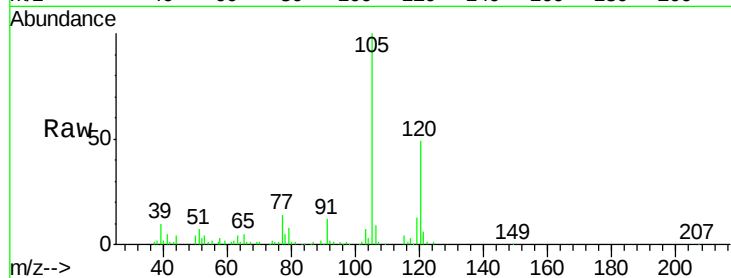




#84
 1,2,4-Trimethylbenzene
 Concen: 10286.896 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VF061330.D
 Acq: 10 Jan 2019 7:01

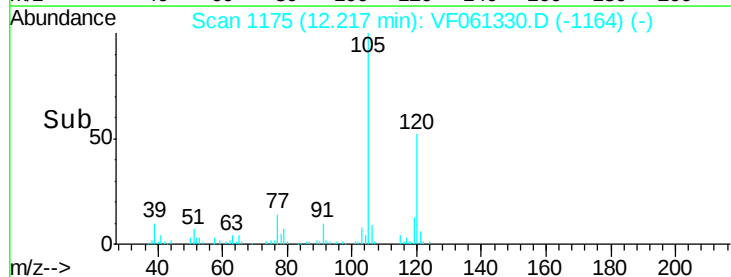
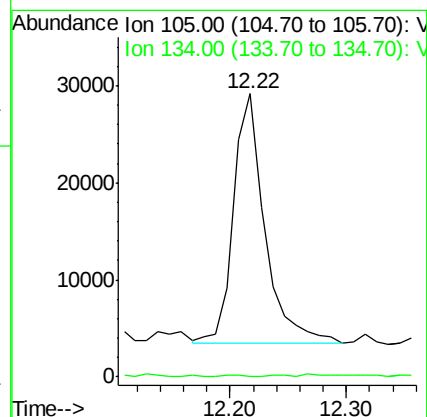
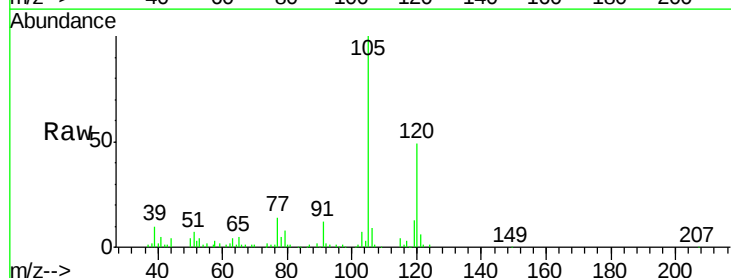
Instrument :
 MSVOA_F
 ClientSampleId :
 CROSSWICKS-DRUM-2

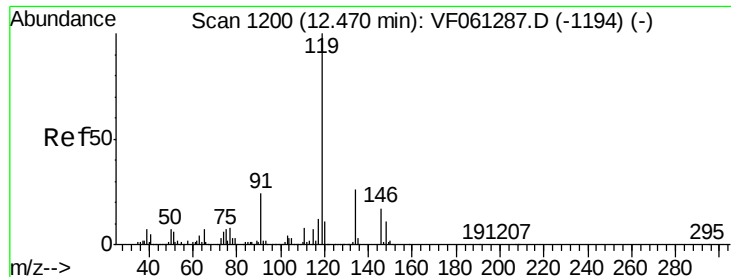
Tot Ion:105 Resp: 47912
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.7 74.1



#85
 sec-Butylbenzene
 Concen: 7199.506 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. -0.09 min
 Lab File: VF061330.D
 Acq: 10 Jan 2019 7:01

Tgt Ion:105 Resp: 47912
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.7 28.9#

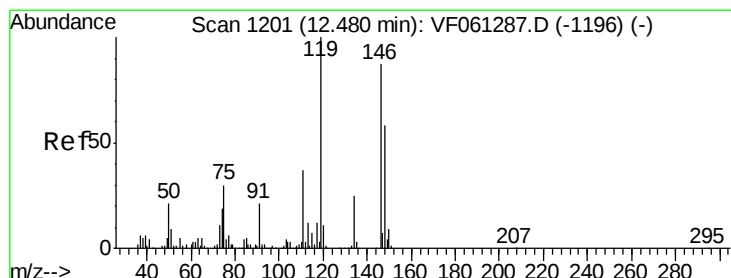
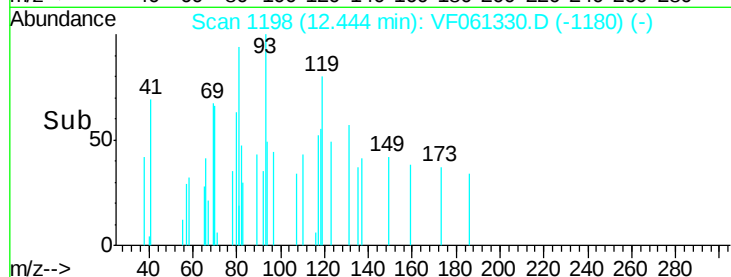
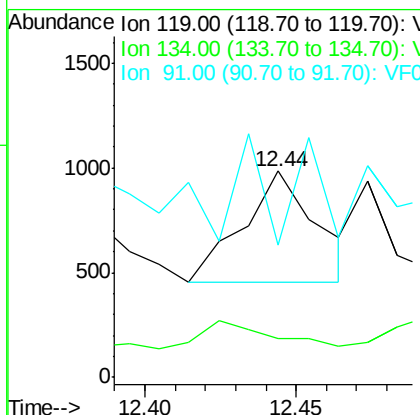
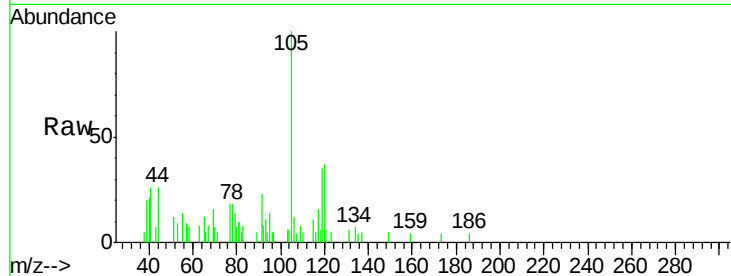




#86
 p-Isopropyltoluene
 Concen: 166.084 ug/l
 RT: 12.44 min Scan# 1198
 Delta R.T. -0.03 min
 Lab File: VF061330.D
 Acq: 10 Jan 2019 7:01

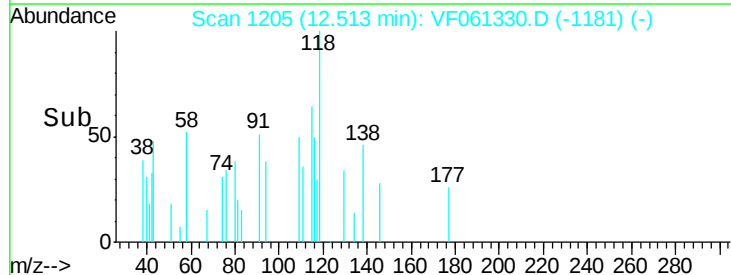
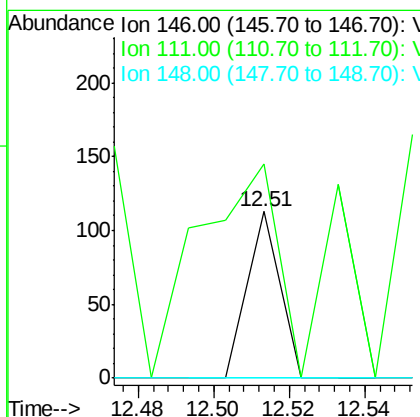
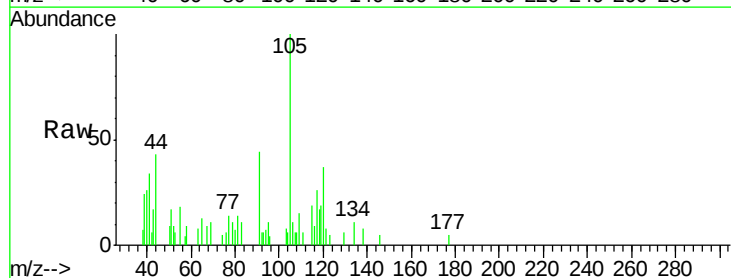
Instrument :
 MSVOA_F
 ClientSampleId :
 CROSSWICKS-DRUM-2

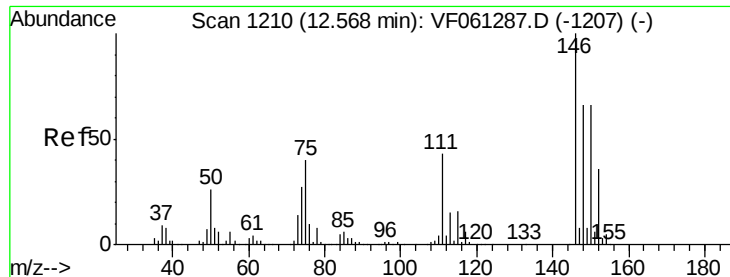
Tot Ion	Ratio	Lower	Upper
119	100		
134	19.0	13.0	39.0
91	64.3	12.2	36.4#



#87
 1,3-Dichlorobenzene
 Concen: 29.251 ug/l
 RT: 12.51 min Scan# 1205
 Delta R.T. 0.03 min
 Lab File: VF061330.D
 Acq: 10 Jan 2019 7:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	128.3	21.1	63.3#
148	0.0	33.1	99.5#





#88

1,4-Dichlorobenzene

Concen: 30.426 ug/l

RT: 12.51 min Scan# 1205

Delta R.T. -0.06 min

Lab File: VF061330.D

Acq: 10 Jan 2019 7:01

Instrument :

MSVOA_F

ClientSampleId :

CROSSWICKS-DRUM-2

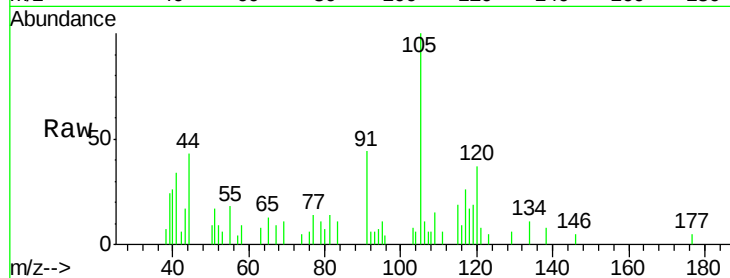
Tot Ion:146 Resp: 67

Ion Ratio Lower Upper

146 100

111 128.3 21.4 64.2#

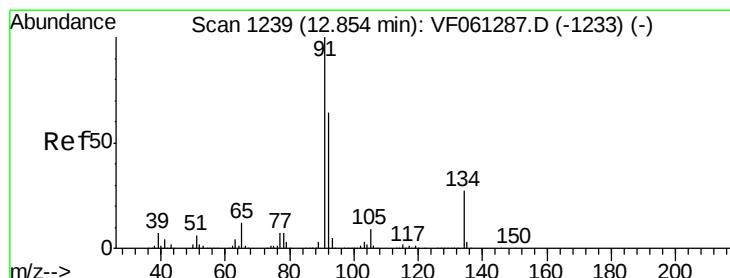
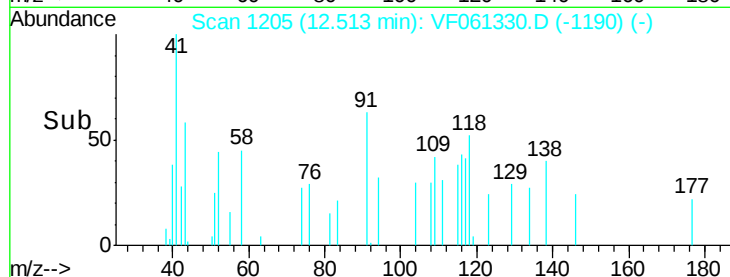
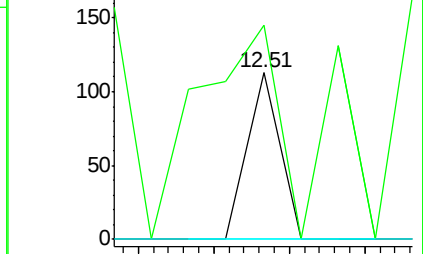
148 0.0 33.0 98.9#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#89

n-Butylbenzene

Concen: 228.528 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VF061330.D

Acq: 10 Jan 2019 7:01

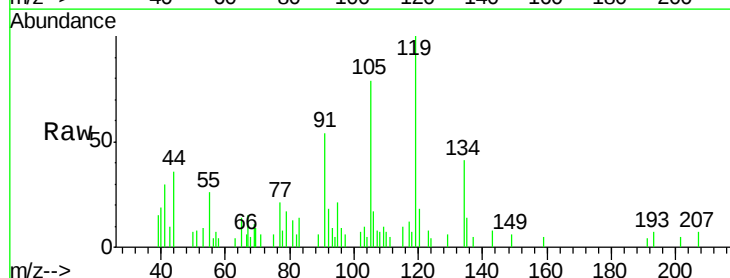
Tgt Ion: 91 Resp: 1271

Ion Ratio Lower Upper

91 100

92 32.9 32.1 96.3

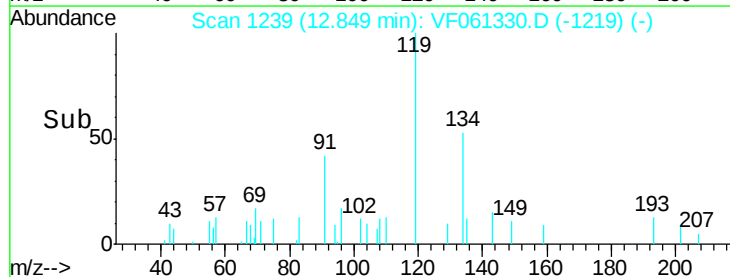
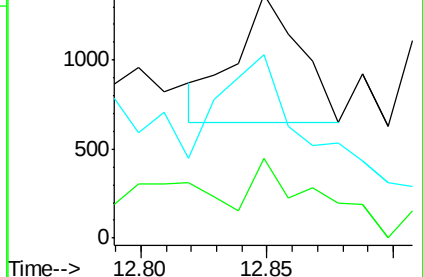
134 75.6 13.4 40.1#

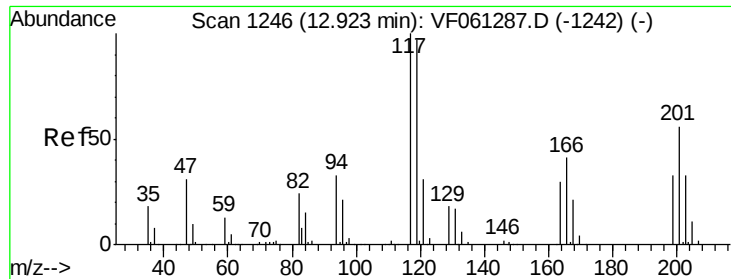


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V

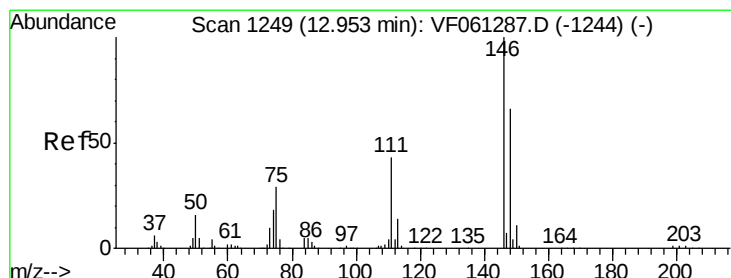
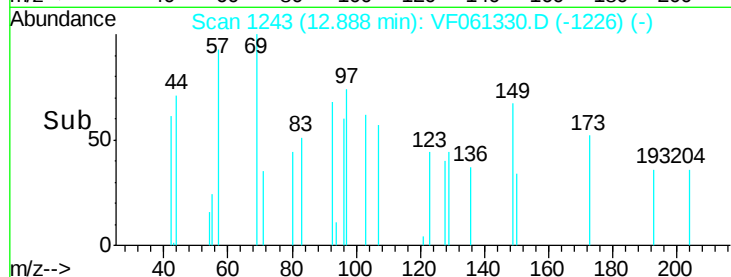
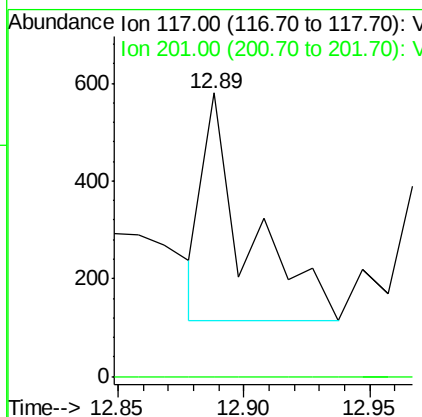
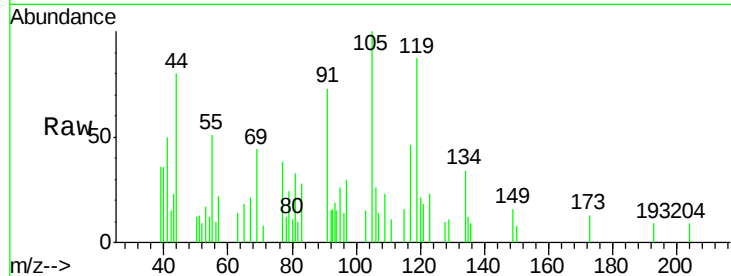




#90
Hexachloroethane
Concen: 456.310 ug/l
RT: 12.89 min Scan# 1243
Delta R.T. -0.04 min
Lab File: VF061330.D
Acq: 10 Jan 2019 7:01

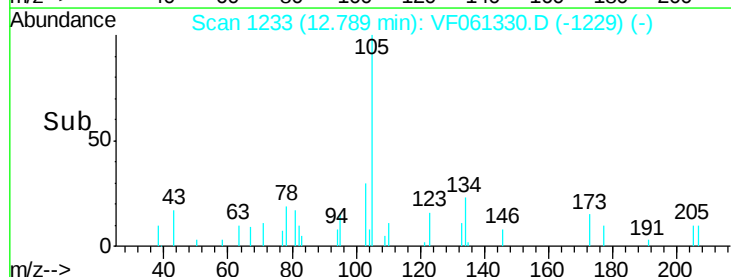
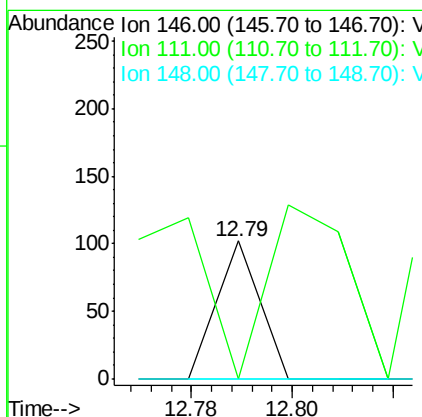
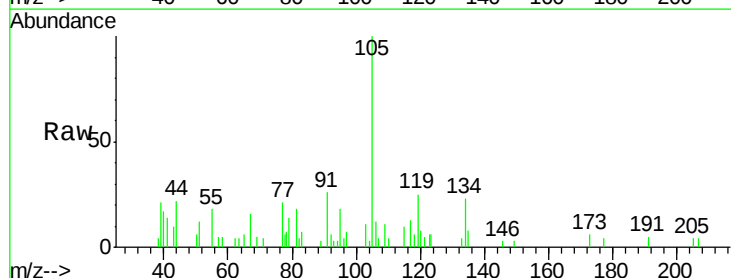
Instrument :
MSVOA_F
ClientSampleId :
CROSSWICKS-DRUM-2

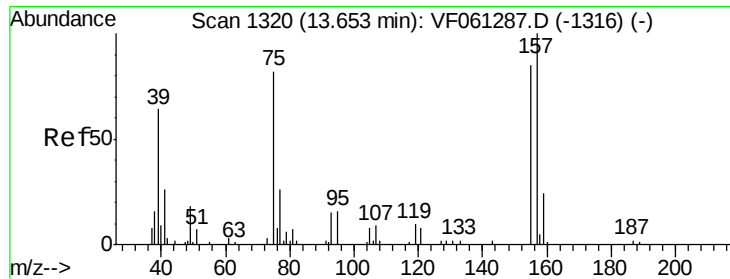
Tot Ion:117 Resp: 565
Ion Ratio Lower Upper
117 100
201 0.0 27.9 83.7#



#91
1,2-Dichlorobenzene
Concen: 27.444 ug/l
RT: 12.79 min Scan# 1233
Delta R.T. -0.16 min
Lab File: VF061330.D
Acq: 10 Jan 2019 7:01

Tgt Ion:146 Resp: 60
Ion Ratio Lower Upper
146 100
111 0.0 21.4 64.3#
148 0.0 33.1 99.2#

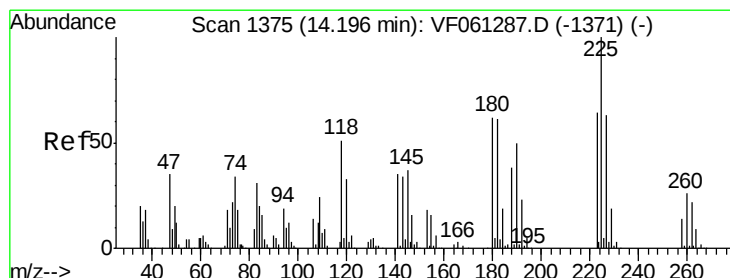
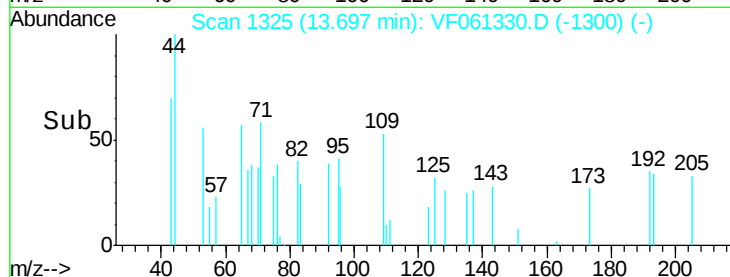
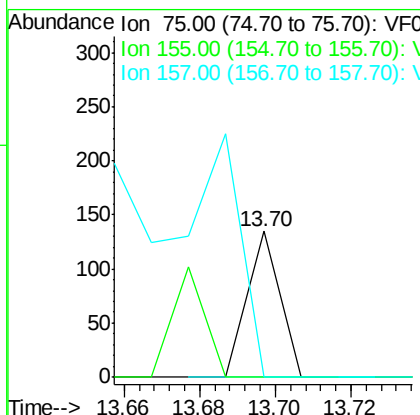
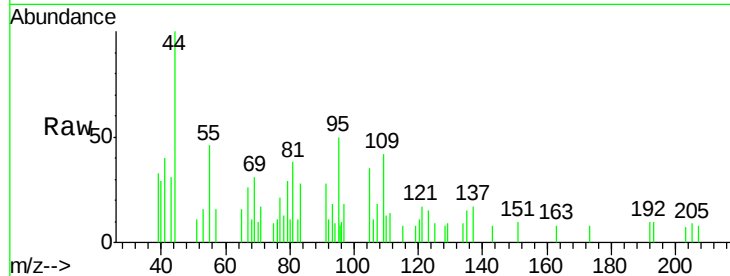




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 506.507 ug/l
 RT: 13.70 min Scan# 1325
 Delta R.T. 0.04 min
 Lab File: VF061330.D
 Acq: 10 Jan 2019 7:01

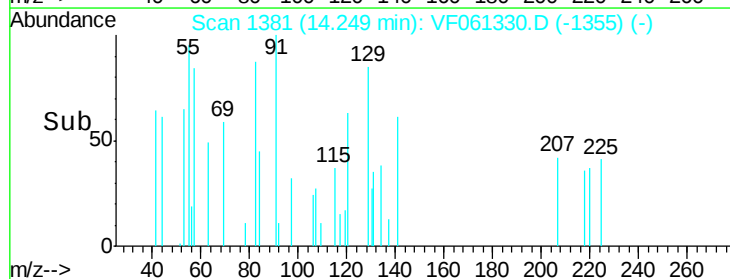
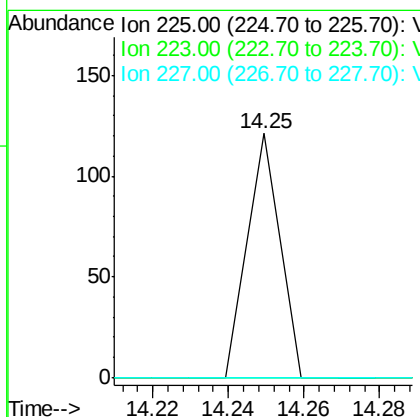
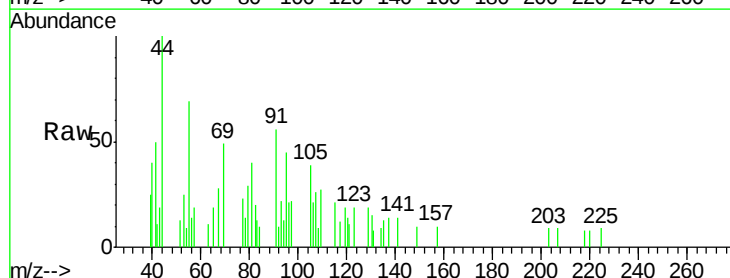
Instrument :
 MSVOA_F
 ClientSampleId :
 CROSSWICKS-DRUM-2

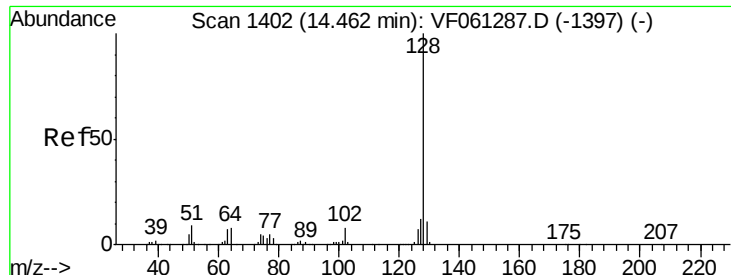
Tot Ion: 75 Resp: 80
 Ion Ratio Lower Upper
 75 100
 155 0.0 51.3 154.0#
 157 0.0 60.7 182.0#



#94
 Hexachlorobutadiene
 Concen: 74.338 ug/l
 RT: 14.25 min Scan# 1381
 Delta R.T. 0.05 min
 Lab File: VF061330.D
 Acq: 10 Jan 2019 7:01

Tgt Ion: 225 Resp: 72
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.8 95.4#
 227 0.0 31.3 93.9#





#95

Naphthalene

Concen: 184.818 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. 0.00 min

Lab File: VF061330.D

Acq: 10 Jan 2019 7:01

Instrument :

MSVOA_F

ClientSampleId :

CROSSWICKS-DRUM-2

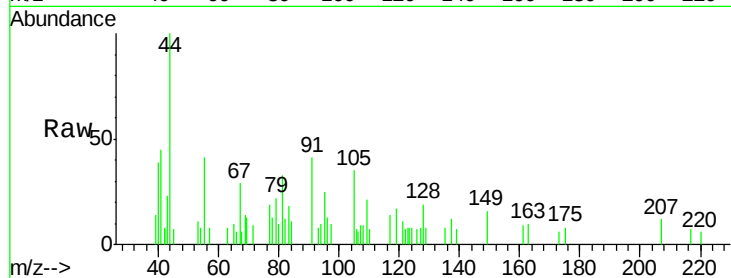
Tot Ion:128 Resp: 524

Ion Ratio Lower Upper

128 100

127 41.3 9.4 14.0#

129 39.6 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

