

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080718\
 Data File : VF059911.D
 Acq On : 7 Aug 2018 9:48
 Operator : VA/AP
 Sample : J4297-02
 Misc : 6.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 07 10:52:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	182225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	263066	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	218355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.65	152	93644	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	131169	39.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.86%	
35) Dibromofluoromethane	4.30	113	109848	41.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.94%	
50) Toluene-d8	7.72	98	208903	37.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.02%	
62) 4-Bromofluorobenzene	11.52	95	183144	58.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.04%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	2.71	59	216	1.630	ug/l #	74
12) 1,1-Dichloroethene	1.88	96	2327	1.430	ug/l #	67
13) Acrolein	2.10	56	106	1.335	ug/l #	1
14) Allyl chloride	2.11	41	8860	3.265	ug/l #	58
15) Acrylonitrile	3.10	53	613	2.524	ug/l #	56
16) Acetone	2.34	43	20282	33.442	ug/l	97
18) Methyl Acetate	2.49	43	5122	5.006	ug/l #	56
20) Methylene Chloride	2.29	84	1839	Below Cal	#	73
25) 2-Butanone	4.53	43	3398	5.153	ug/l #	60
29) Tetrahydrofuran	4.19	42	2910	11.987	ug/l #	8
31) Cyclohexane	3.91	56	2170	1.153	ug/l #	75
37) Ethyl Acetate	4.19	43	9782	7.487	ug/l #	1
39) Methylcyclohexane	5.64	83	85366	37.410	ug/l	97
40) Benzene	4.82	78	998	Below Cal	#	75
41) Methacrylonitrile	4.86	41	49183	71.333	ug/l #	60
43) Isopropyl Acetate	6.98	43	140074	104.122	ug/l #	52
48) Methyl methacrylate	6.98	41	134173	128.198	ug/l #	45
49) 1,4-Dioxane	7.11	88	213	106.479	ug/l #	1
51) 4-Methyl-2-Pentanone	8.44	43	364775	265.197	ug/l #	48
52) Toluene	7.79	92	20283	5.278	ug/l	83
55) 1,1,2-Trichloroethane	8.59	97	33774	24.413	ug/l #	1
56) Ethyl methacrylate	8.81	69	601665	373.331	ug/l #	77
58) 2-Chloroethyl Vinyl ether	7.79	63	8369	45.726	ug/l	100
59) 2-Hexanone	9.69	43	31720	32.646	ug/l #	42
65) Chlorobenzene	9.92	112	11735	2.648	ug/l #	42
67) Ethyl Benzene	10.06	91	667490	86.447	ug/l	98
68) m/p-Xylenes	10.28	106	483580	181.175	ug/l	95
69) o-Xylene	10.85	106	608293	215.131	ug/l	95
73) Isopropylbenzene	11.24	105	596023	102.187	ug/l	98
74) N-amyl acetate	11.39	43	1116452	730.692	ug/l #	27
75) 1,1,2,2-Tetrachloroethane	11.79	83	359651	328.425	ug/l #	1
76) 1,2,3-Trichloropropane	11.94	75	37157	39.505	ug/l #	1
78) n-propylbenzene	11.70	91	1409498	204.624	ug/l	98
79) 2-Chlorotoluene	11.82	91	684790	157.158	ug/l #	46

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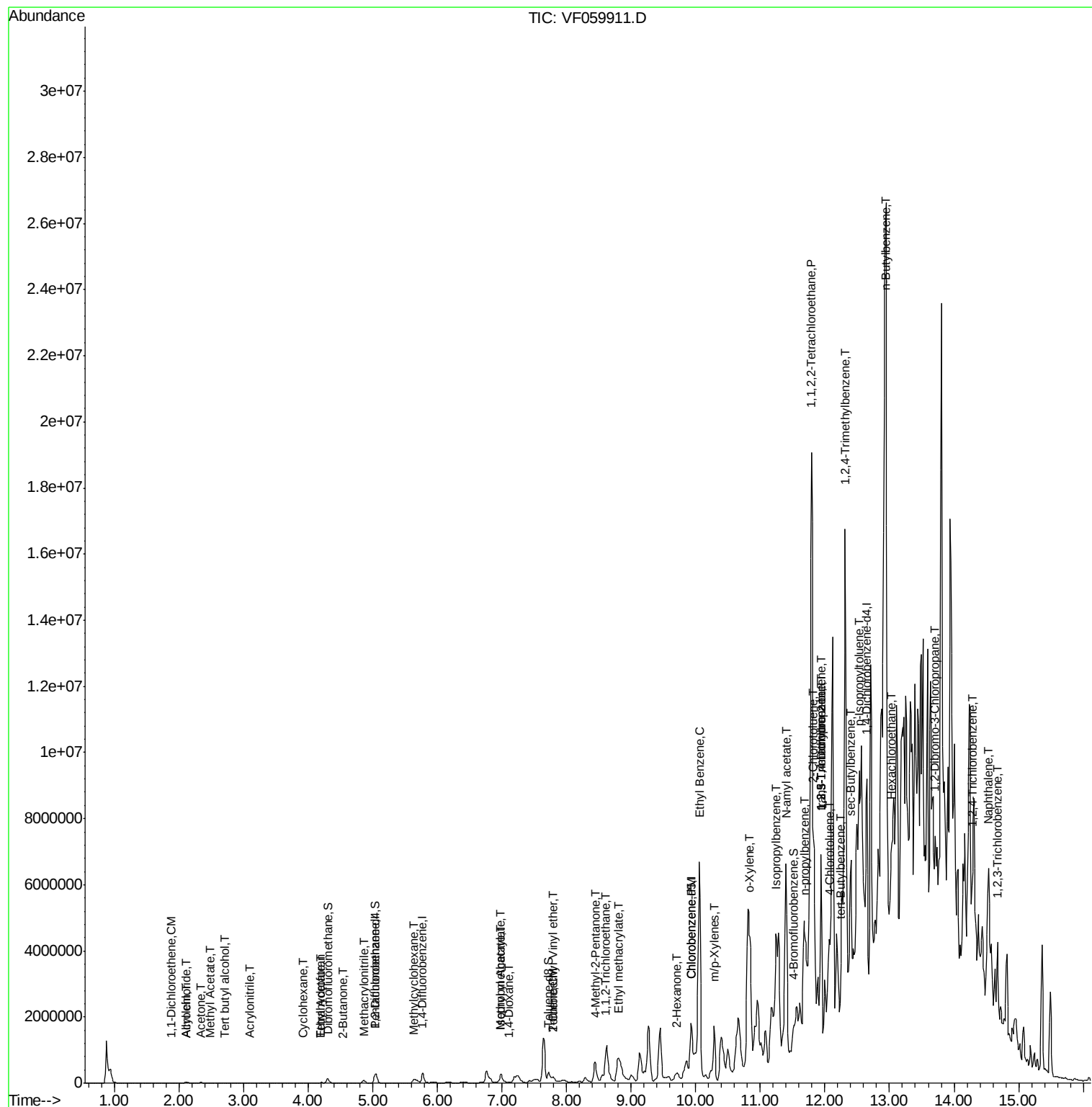
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	11.94	105	2614874	482.791	uq/l	93
81) trans-1,4-Dichloro-2-buten	11.94	75	37157	109.983	uq/l #	1
82) 4-Chlorotoluene	12.07	91	25225	5.332	uq/l	99
83) tert-Butylbenzene	12.24	119	51609	9.789	uq/l #	57
84) 1,2,4-Trimethylbenzene	12.31	105	4017082	721.155	uq/l	85
85) sec-Butylbenzene	12.41	105	911785	130.161	uq/l #	77
86) p-Isopropyltoluene	12.53	119	2136736	362.912	uq/l	95
89) n-Butylbenzene	12.94	91	1365165	243.290	uq/l #	56
90) Hexachloroethane	13.02	117	92340	56.835	uq/l #	13
92) 1,2-Dibromo-3-Chloropropan	13.70	75	23011	83.353	uq/l #	9
93) 1,2,4-Trichlorobenzene	14.28	180	9401	4.281	uq/l #	1
95) Naphthalene	14.54	128	1047512	275.533	uq/l #	87
96) 1,2,3-Trichlorobenzene	14.68	180	11562	5.332	uq/l #	1

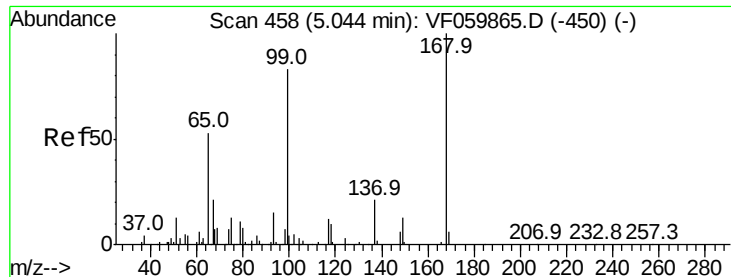
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059911.D

Acq: 7 Aug 2018 9:48

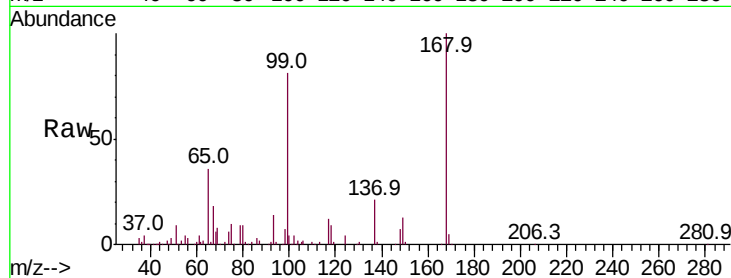
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 182225

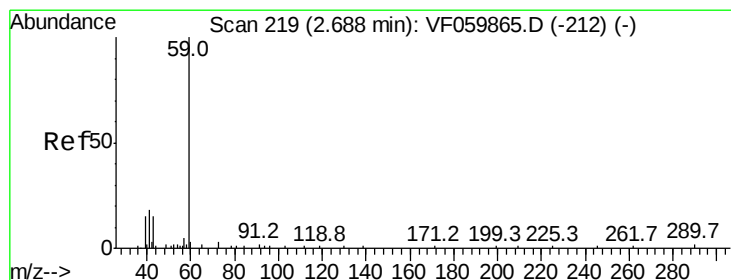
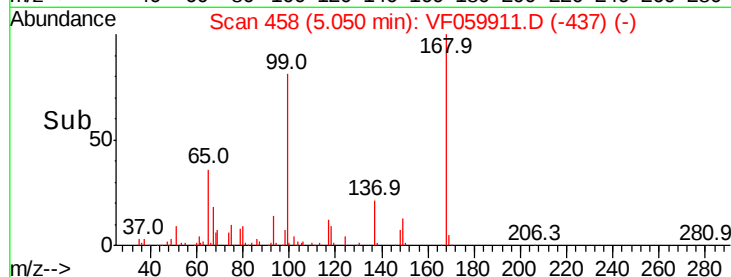
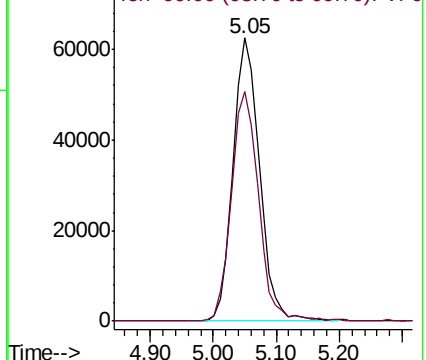
Ion Ratio Lower Upper

168 100

99 81.1 66.3 99.5



Abundance Ion 168.00 (167.70 to 168.70): VF0



#11

Tert butyl alcohol

Concen: 1.630 ug/l

RT: 2.71 min Scan# 221

Delta R.T. 0.03 min

Lab File: VF059911.D

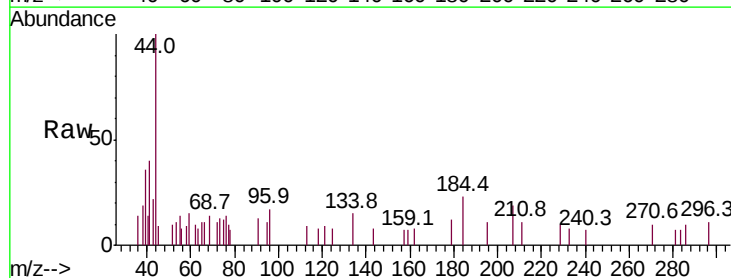
Acq: 7 Aug 2018 9:48

Tgt Ion: 59 Resp: 216

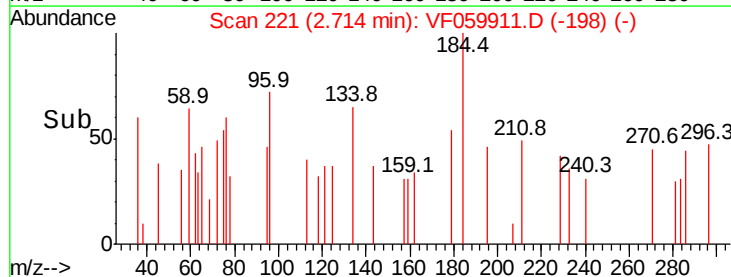
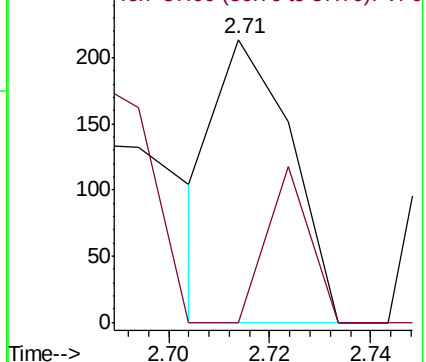
Ion Ratio Lower Upper

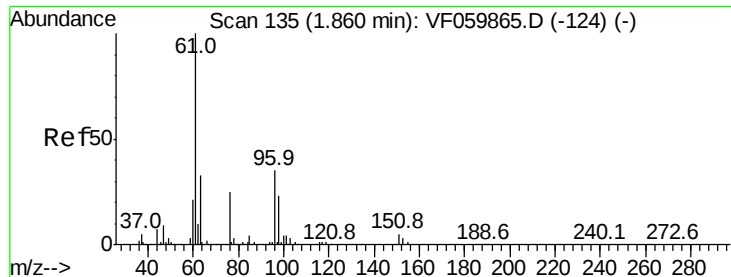
59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0





#12

1,1-Dichloroethene

Concen: 1.430 ug/l

RT: 1.88 min Scan# 136

Delta R.T. 0.02 min

Lab File: VF059911.D

Acq: 7 Aug 2018 9:48

Instrument :
MSVOA_F
ClientSampleId :

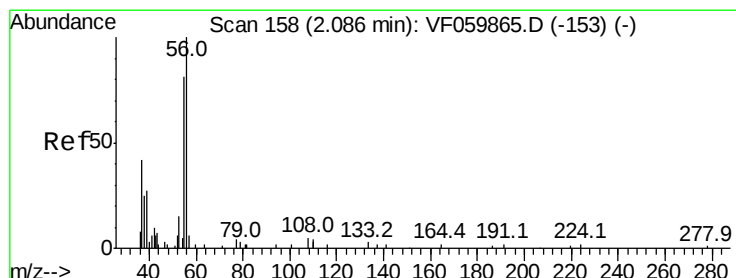
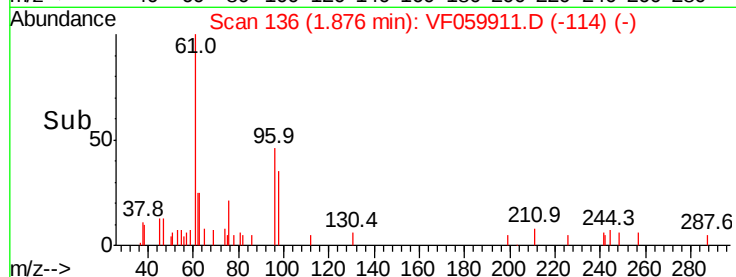
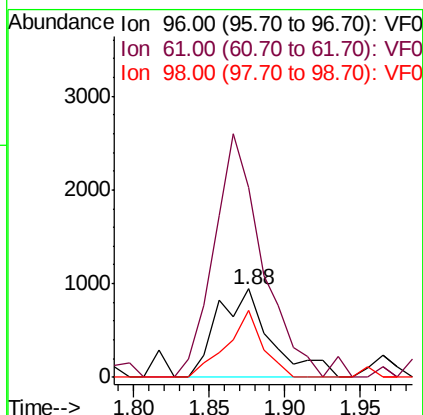
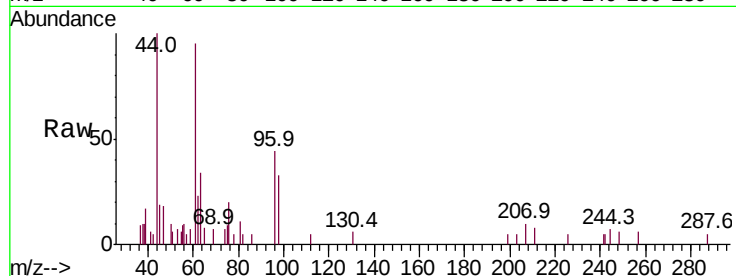
Tot Ion: 96 Resp: 2327

Ion Ratio Lower Upper

96 100

61 215.3 230.2 345.2#

98 75.5 52.7 79.1



#13

Acrolein

Concen: 1.335 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.02 min

Lab File: VF059911.D

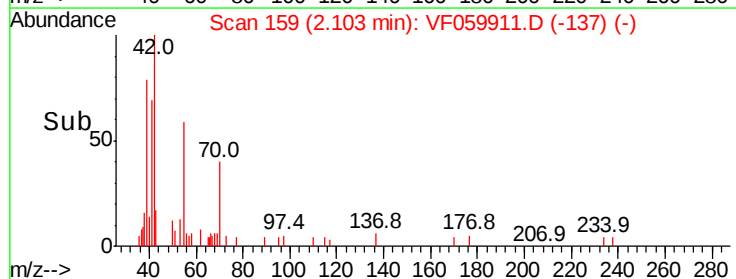
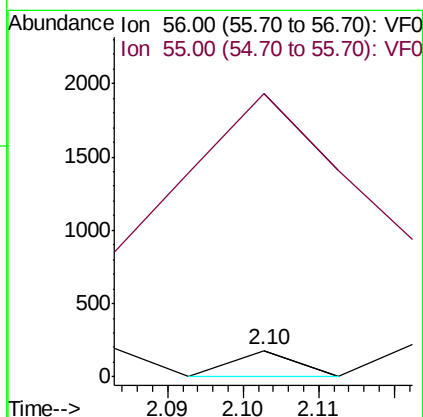
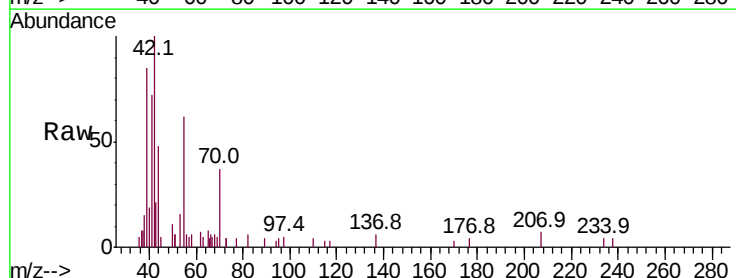
Acq: 7 Aug 2018 9:48

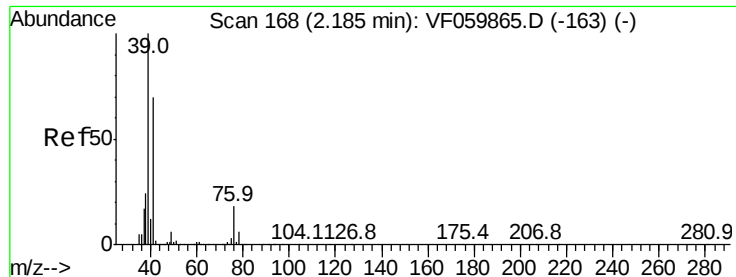
Tgt Ion: 56 Resp: 106

Ion Ratio Lower Upper

56 100

55 1072.2 64.6 96.8#

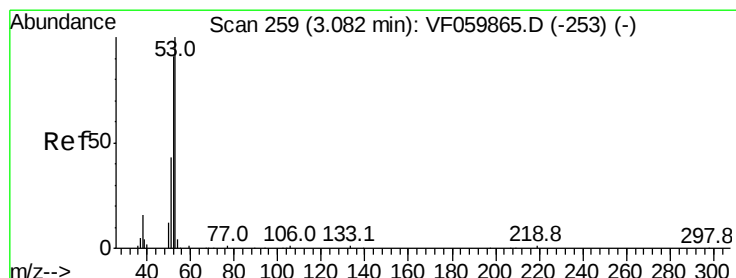
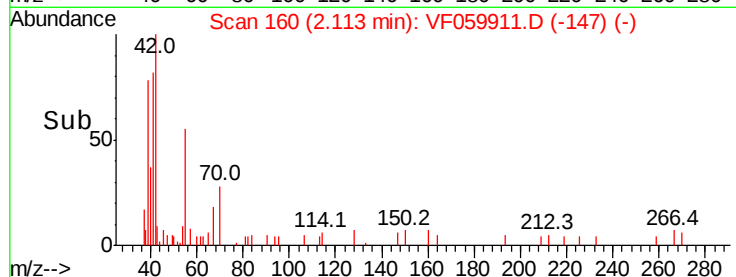
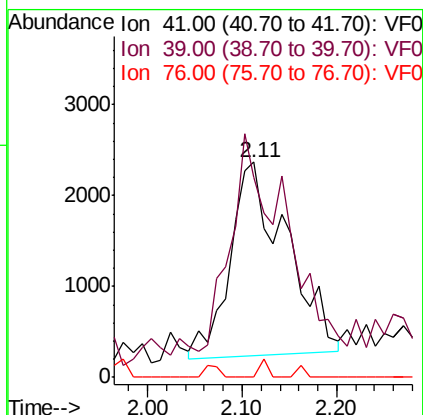
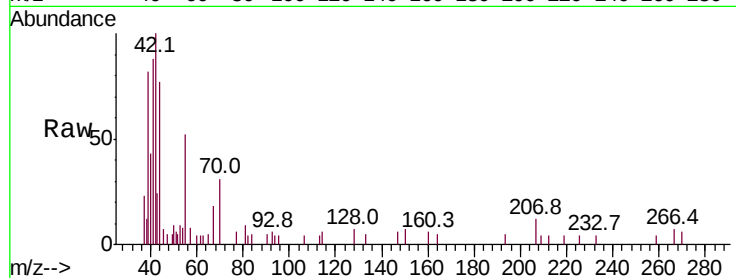




#14
Allvl chloride
Concen: 3.265 ug/l
RT: 2.11 min Scan# 160
Delta R.T. -0.07 min
Lab File: VF059911.D
Acq: 7 Aug 2018 9:48

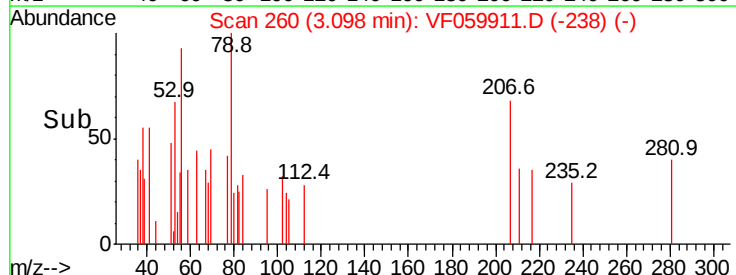
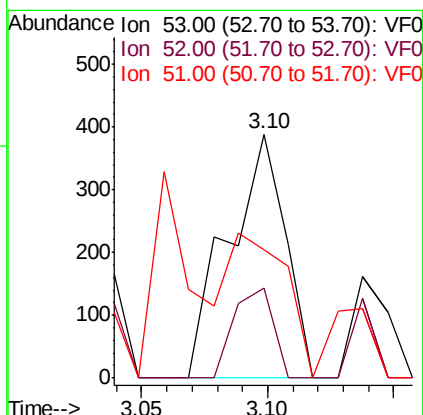
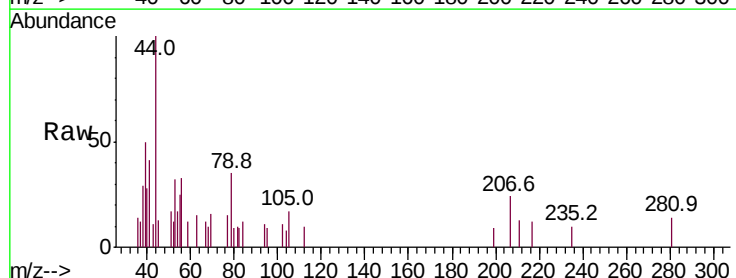
Instrument :
MSVOA_F
ClientSampleId :

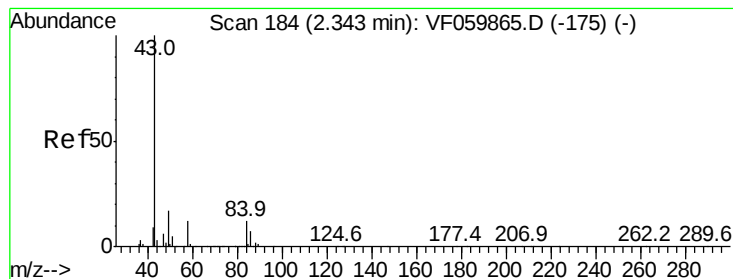
Tot Ion: 41 Resp: 8860
Ion Ratio Lower Upper
41 100
39 93.2 114.6 171.8#
76 0.0 21.0 31.4#



#15
Acrylonitrile
Concen: 2.524 ug/l
RT: 3.10 min Scan# 260
Delta R.T. 0.02 min
Lab File: VF059911.D
Acq: 7 Aug 2018 9:48

Tgt Ion: 53 Resp: 613
Ion Ratio Lower Upper
53 100
52 37.1 72.9 109.3#
51 52.8 34.5 51.7#





#16

Acetone

Concen: 33.442 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF059911.D

Acq: 7 Aug 2018 9:48

Instrument :

MSVOA_F

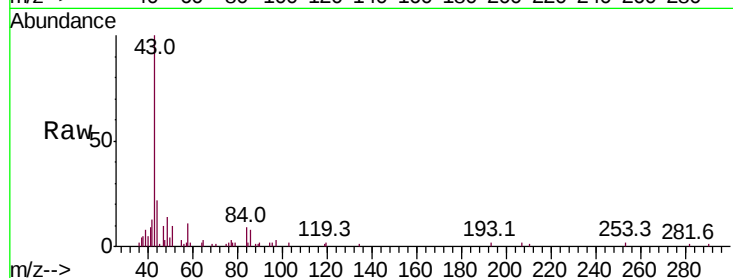
ClientSampleId :

Tot Ion: 43 Resp: 20282

Ion Ratio Lower Upper

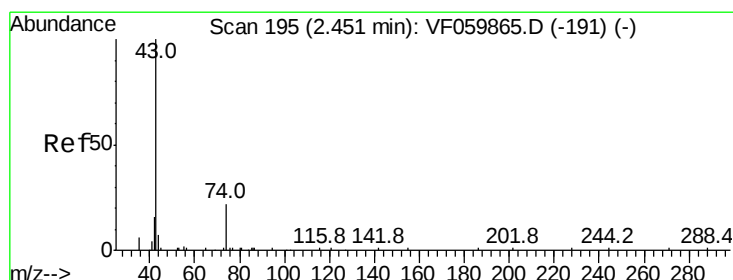
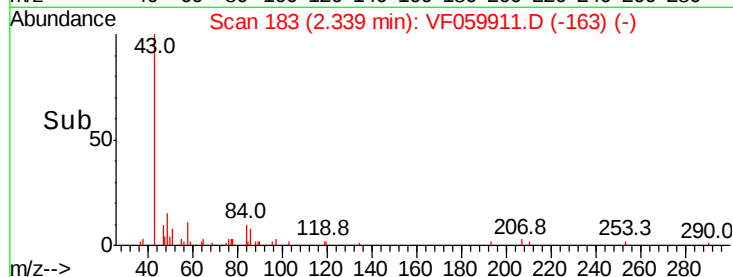
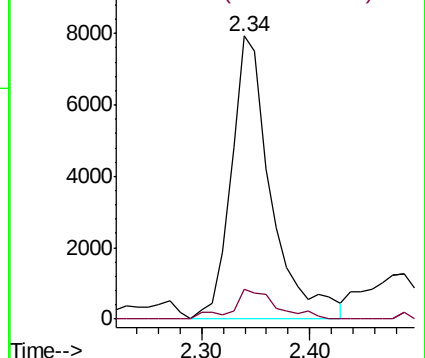
43 100

58 10.5 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: 5.006 ug/l

RT: 2.49 min Scan# 198

Delta R.T. 0.04 min

Lab File: VF059911.D

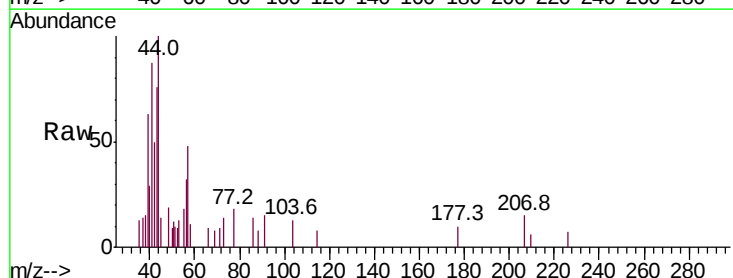
Acq: 7 Aug 2018 9:48

Tgt Ion: 43 Resp: 5122

Ion Ratio Lower Upper

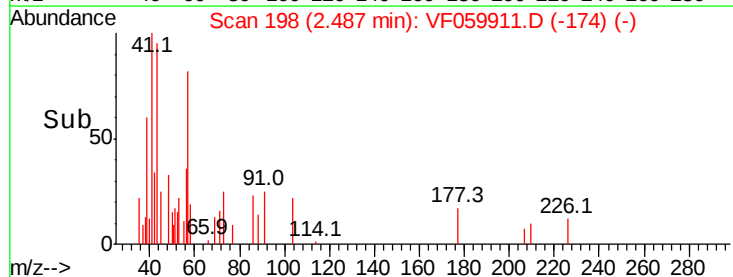
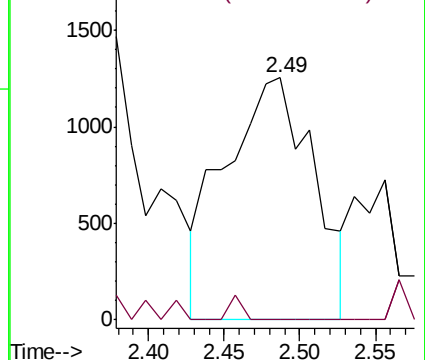
43 100

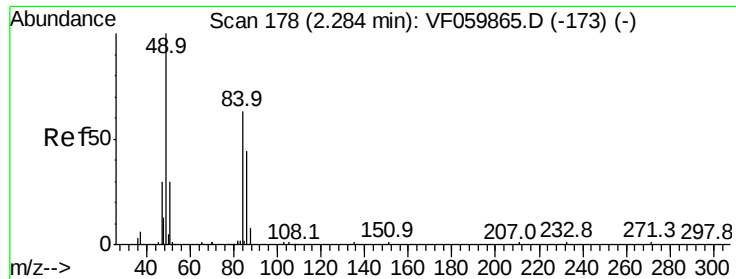
74 0.0 16.3 24.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

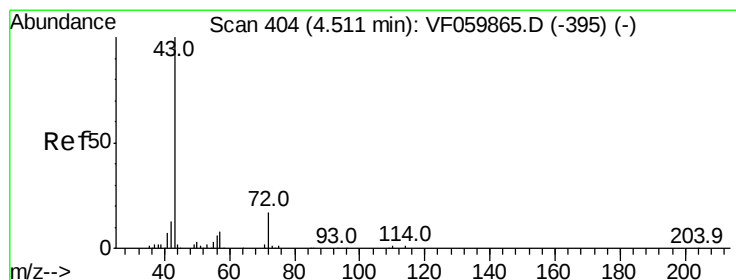
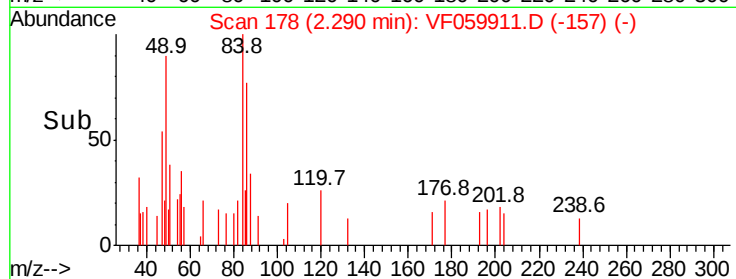
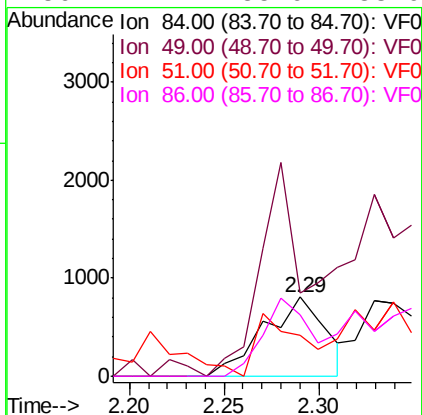
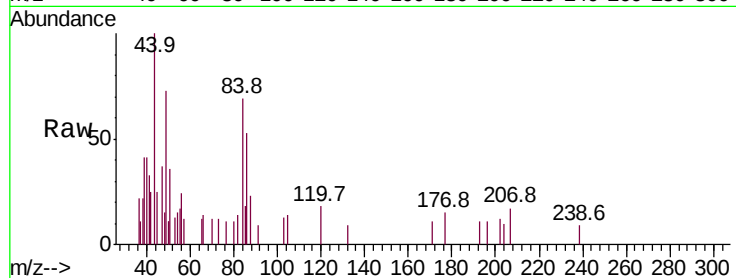




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.29 min Scan# 178
Delta R.T. 0.01 min
Lab File: VF059911.D
Acq: 7 Aug 2018 9:48

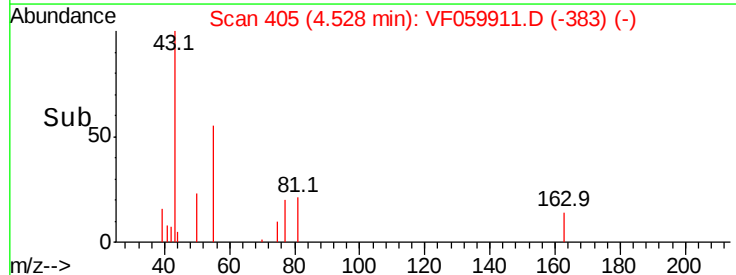
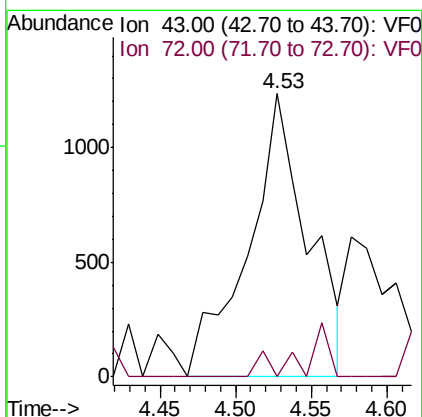
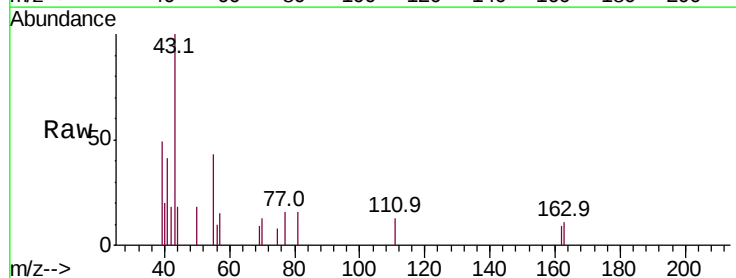
Instrument :
MSVOA_F
ClientSampleId :

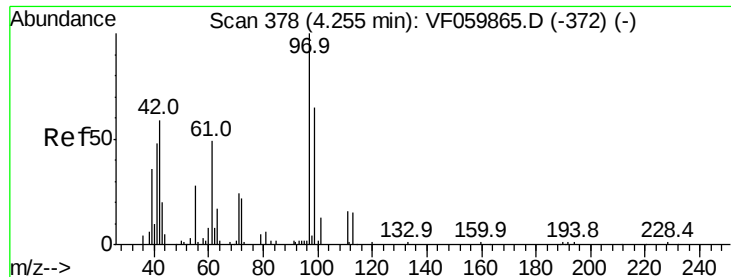
Tot Ion: 84 Resp: 1839
Ion Ratio Lower Upper
84 100
49 105.6 128.7 193.1#
51 51.8 39.3 58.9
86 77.1 55.9 83.9



#25
2-Butanone
Concen: 5.153 ug/l
RT: 4.53 min Scan# 405
Delta R.T. 0.02 min
Lab File: VF059911.D
Acq: 7 Aug 2018 9:48

Tgt Ion: 43 Resp: 3398
Ion Ratio Lower Upper
43 100
72 0.0 13.9 20.9#





#29

Tetrahydrofuran

Concen: 11.987 ug/l

RT: 4.19 min Scan# 371

Delta R.T. -0.06 min

Lab File: VF059911.D

Acq: 7 Aug 2018 9:48

Instrument :

MSVOA_F

ClientSampleId :

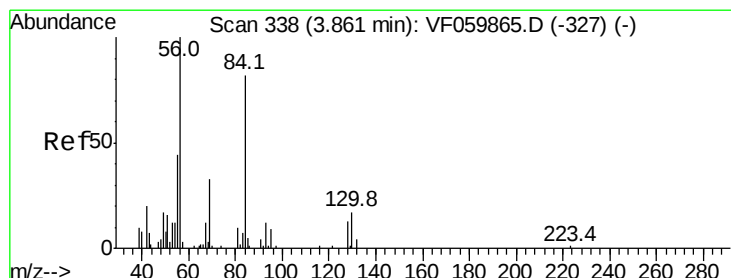
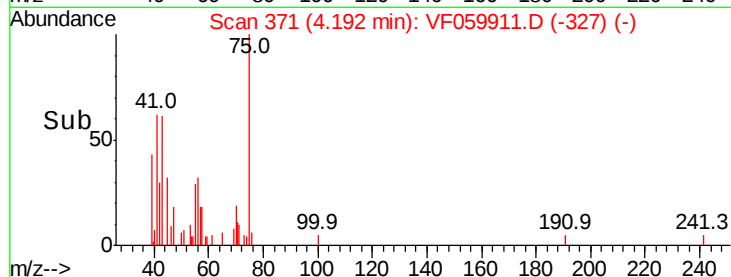
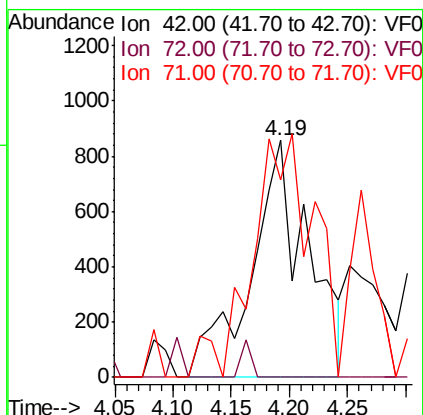
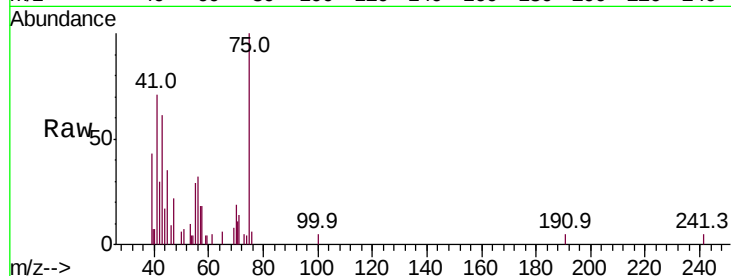
Tot Ion: 42 Resp: 2910

Ion Ratio Lower Upper

42 100

72 0.0 29.3 43.9#

71 110.3 30.0 45.0#



#31

Cyclohexane

Concen: 1.153 ug/l

RT: 3.91 min Scan# 342

Delta R.T. 0.05 min

Lab File: VF059911.D

Acq: 7 Aug 2018 9:48

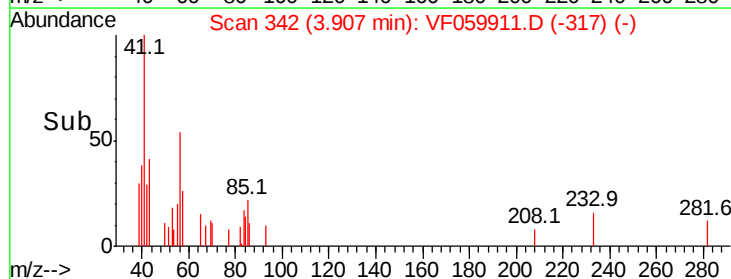
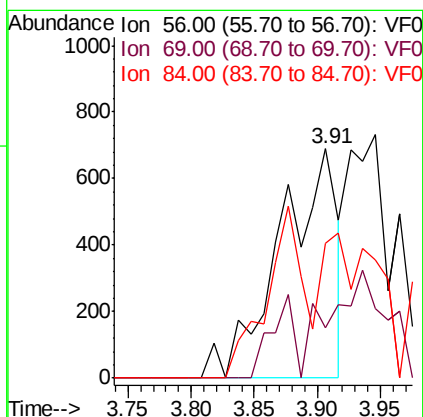
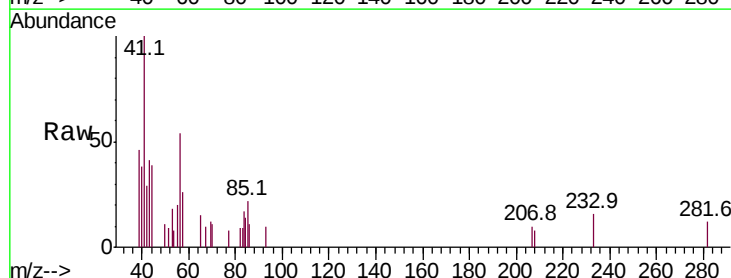
Tgt Ion: 56 Resp: 2170

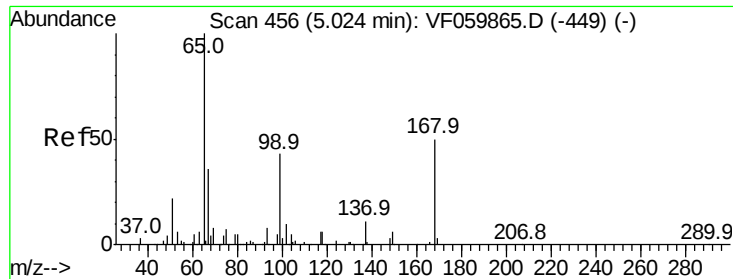
Ion Ratio Lower Upper

56 100

69 21.7 26.7 40.1#

84 58.8 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 39.927 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.01 min

Lab File: VF059911.D

Acq: 7 Aug 2018 9:48

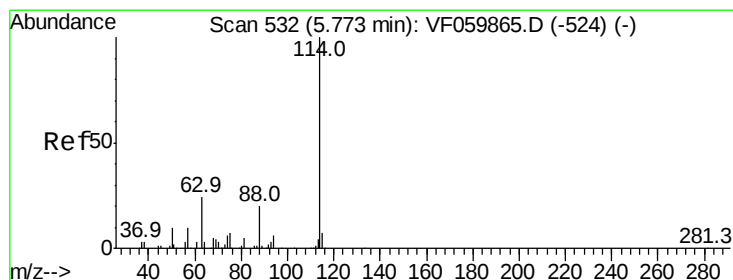
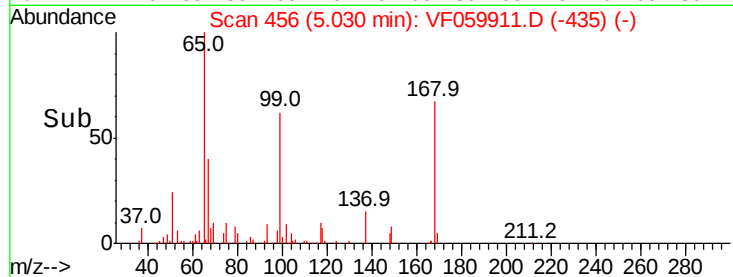
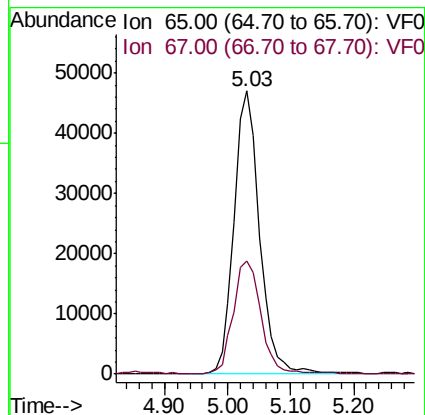
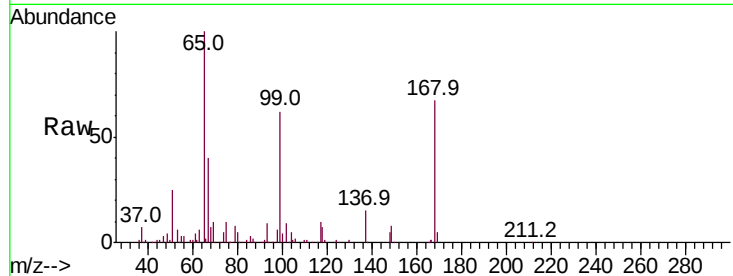
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 131169

Ion Ratio Lower Upper

65 100

67 40.0 0.0 77.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. 0.01 min

Lab File: VF059911.D

Acq: 7 Aug 2018 9:48

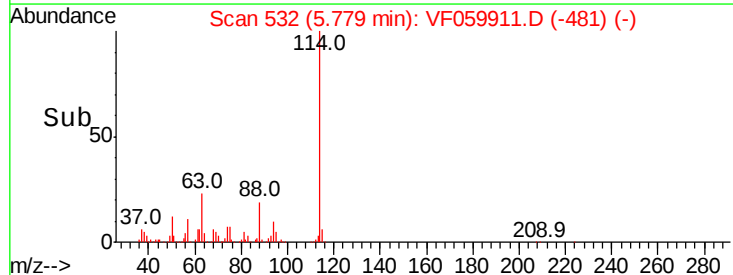
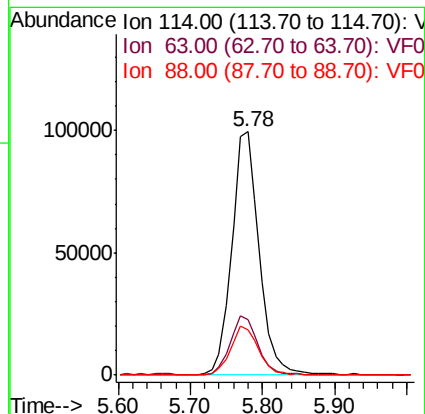
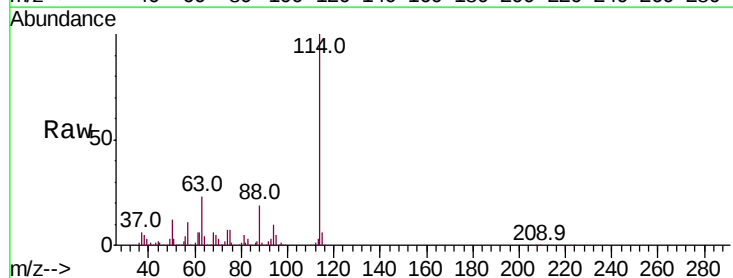
Tgt Ion: 114 Resp: 263066

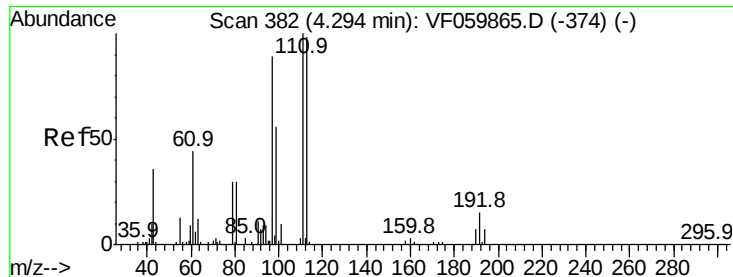
Ion Ratio Lower Upper

114 100

63 22.9 0.0 48.0

88 18.5 0.0 39.4

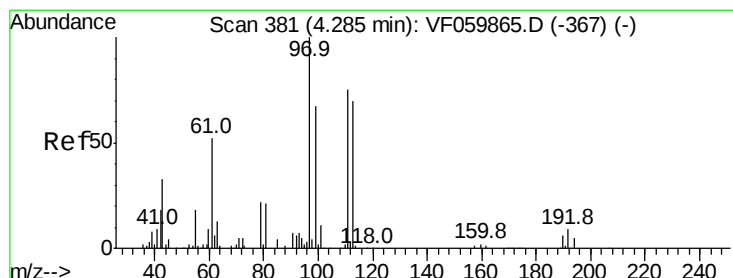
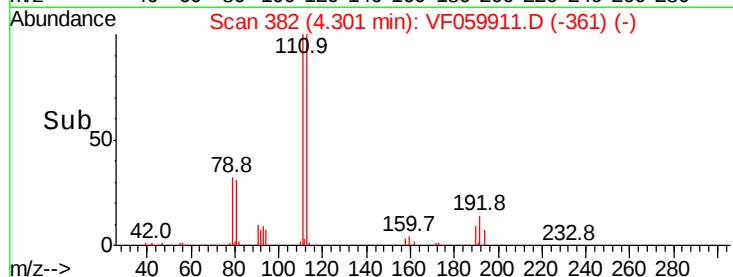
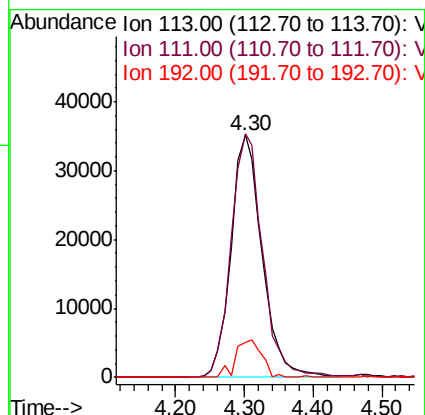
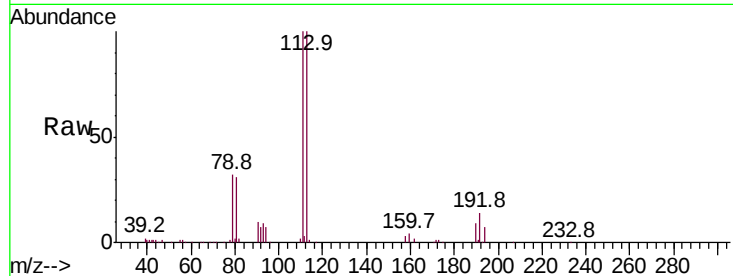




#35
Dibromofluoromethane
Concen: 41.969 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF059911.D
Acq: 7 Aug 2018 9:48

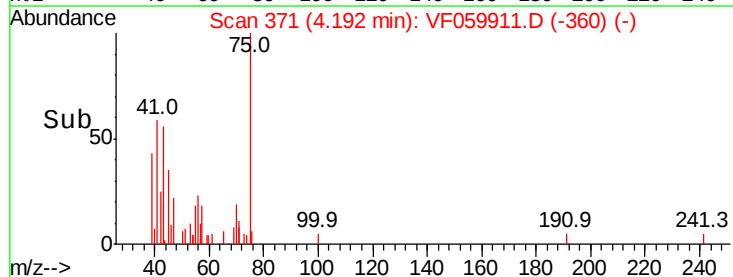
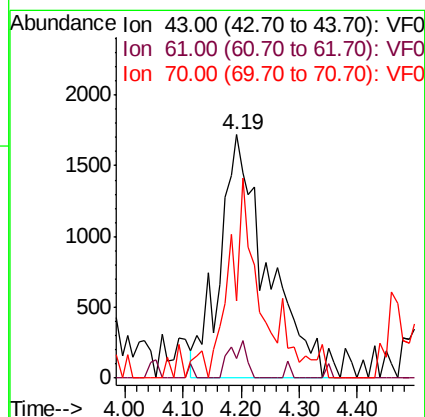
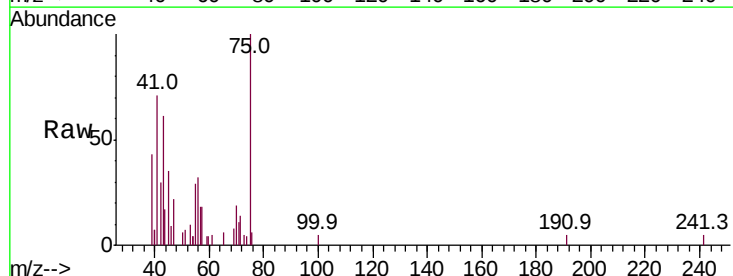
Instrument :
MSVOA_F
ClientSampleId :

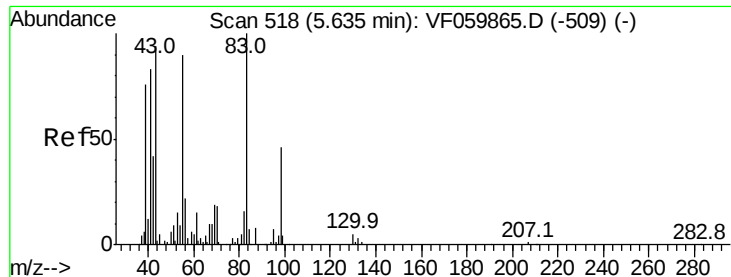
Tot Ion:113 Resp: 109848
Ion Ratio Lower Upper
113 100
111 100.5 81.8 122.8
192 14.6 12.4 18.6



#37
Ethyl Acetate
Concen: 7.487 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.09 min
Lab File: VF059911.D
Acq: 7 Aug 2018 9:48

Tgt Ion: 43 Resp: 9782
Ion Ratio Lower Upper
43 100
61 7.8 123.7 185.5#
70 49.7 7.8 11.8#

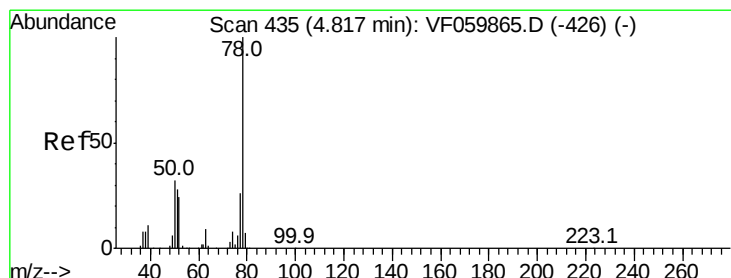
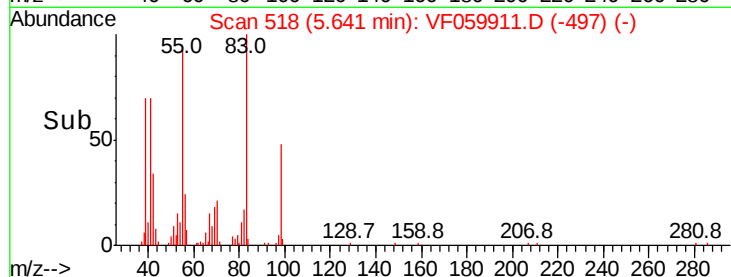
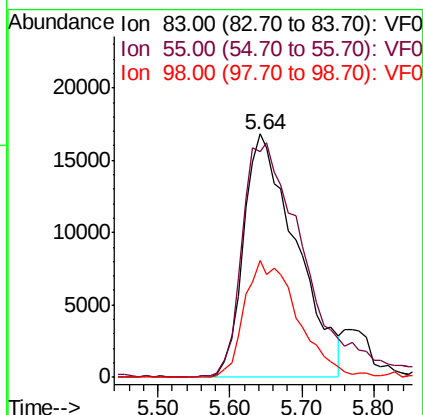
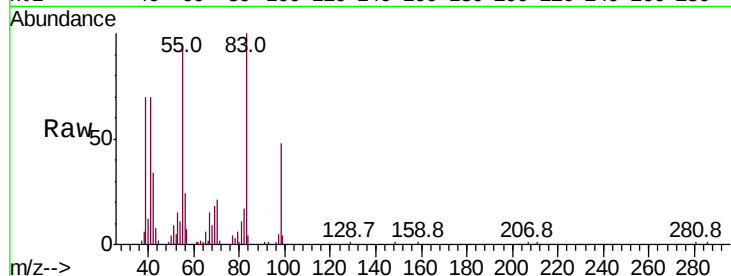




#39
Methylcyclohexane
Concen: 37.410 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.01 min
Lab File: VF059911.D
Acq: 7 Aug 2018 9:48

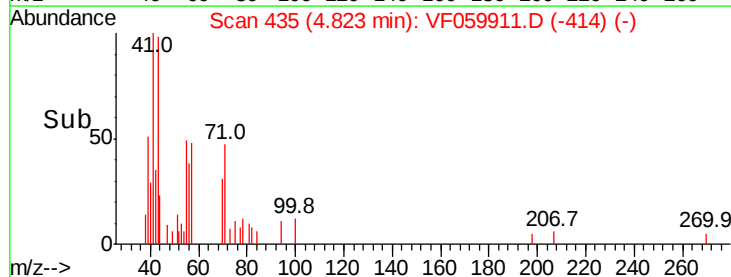
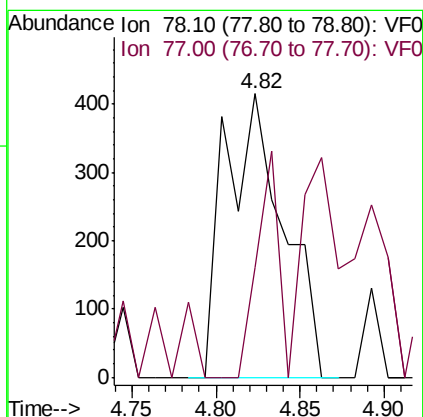
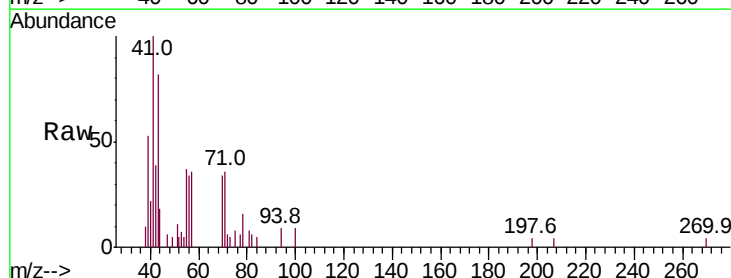
Instrument :
MSVOA_F
ClientSampleId :

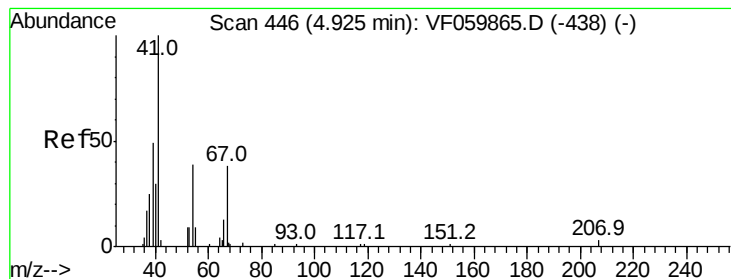
Tot Ion: 83 Resp: 85366
Ion Ratio Lower Upper
83 100
55 92.5 72.0 108.0
98 47.9 36.6 54.8



#40
Benzene
Concen: Below Cal
RT: 4.82 min Scan# 435
Delta R.T. 0.01 min
Lab File: VF059911.D
Acq: 7 Aug 2018 9:48

Tgt Ion: 78 Resp: 998
Ion Ratio Lower Upper
78 100
77 38.6 20.7 31.1#





#41

Methacrylonitrile

Concen: 71.333 ug/l

RT: 4.86 min Scan# 439

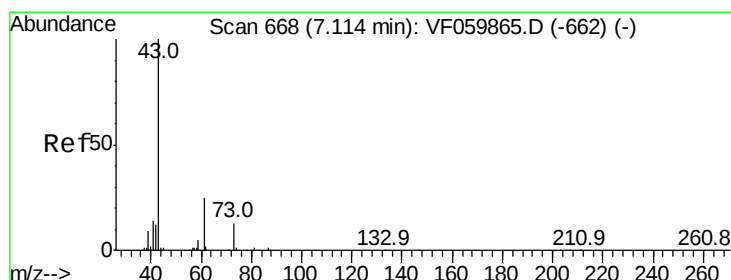
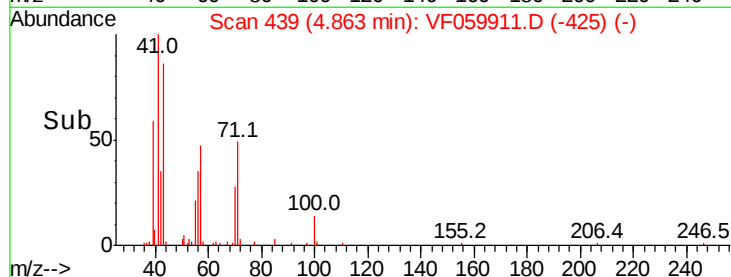
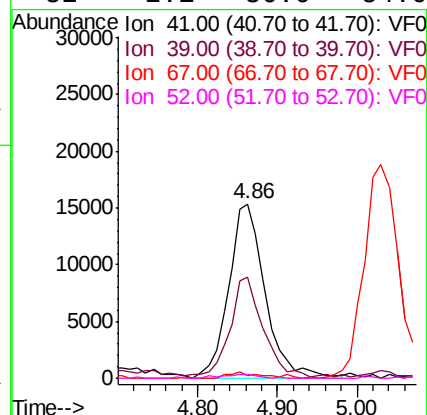
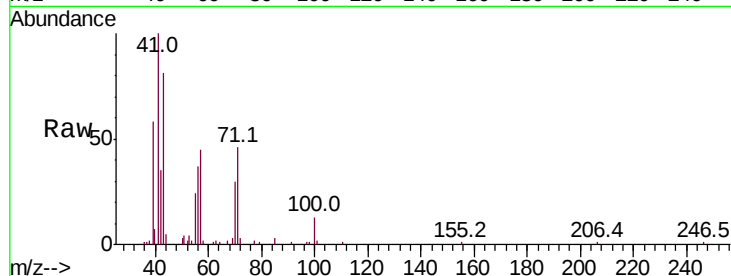
Delta R.T. -0.06 min

Lab File: VF059911.D

Acq: 7 Aug 2018 9:48

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	41	Resp:	49183
Ion	Ratio	Lower	Upper
41	100		
39	58.1	55.1	82.7
67	1.6	30.3	45.5#
52	2.1	36.0	54.0#



#43

Isopropyl Acetate

Concen: 104.122 ug/l

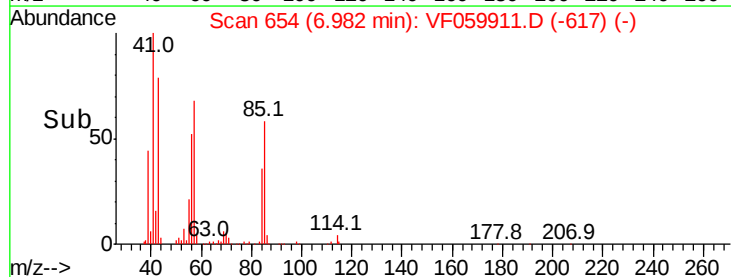
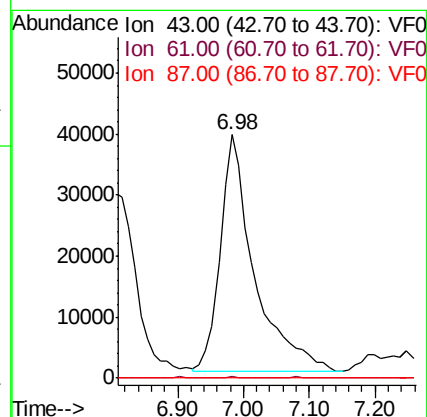
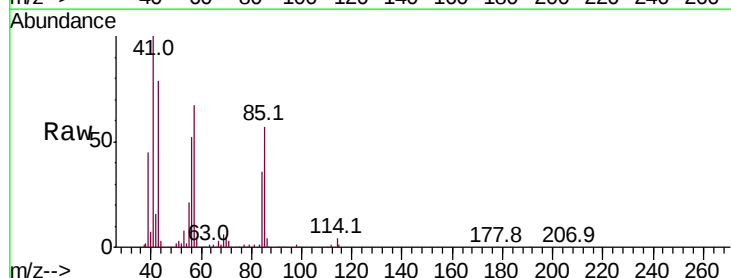
RT: 6.98 min Scan# 654

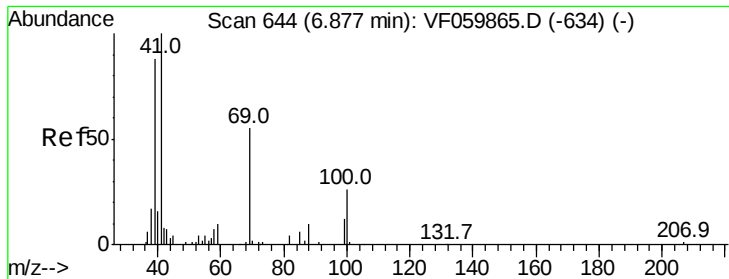
Delta R.T. -0.13 min

Lab File: VF059911.D

Acq: 7 Aug 2018 9:48

Tgt Ion:	43	Resp:	140074
Ion	Ratio	Lower	Upper
43	100		
61	0.5	20.3	30.5#
87	0.4	0.7	1.1#





#48

Methyl methacrylate

Concen: 128.198 ug/l

RT: 6.98 min Scan# 654

Delta R.T. 0.10 min

Lab File: VF059911.D

Acq: 7 Aug 2018 9:48

Instrument :
MSVOA_F
ClientSampleId :

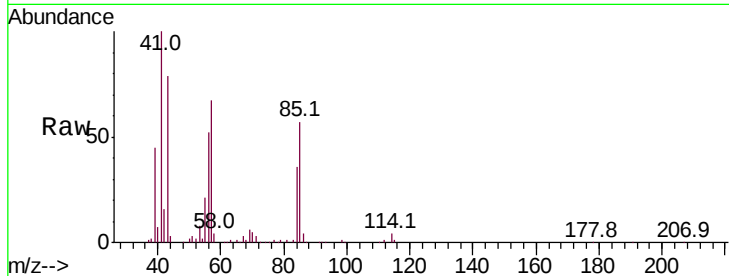
Tot Ion: 41 Resp: 134173

Ion Ratio Lower Upper

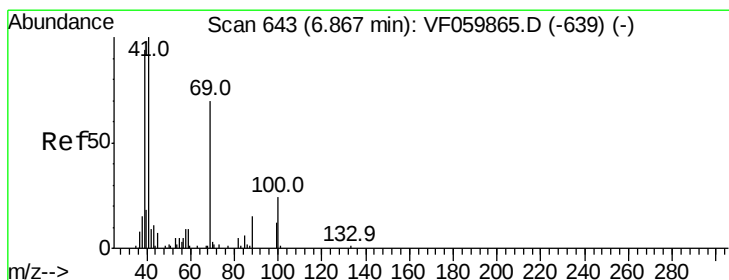
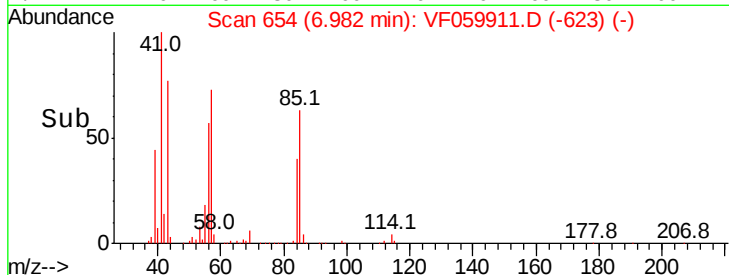
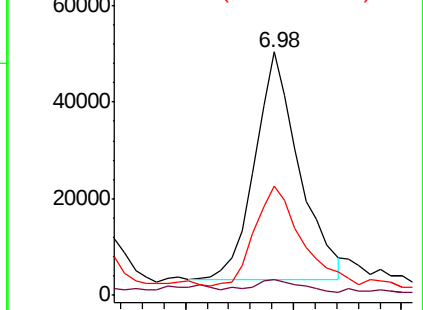
41 100

69 6.5 44.4 66.6#

39 45.0 70.6 106.0#



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



#49

1,4-Dioxane

Concen: 106.479 ug/l

RT: 7.11 min Scan# 667

Delta R.T. 0.24 min

Lab File: VF059911.D

Acq: 7 Aug 2018 9:48

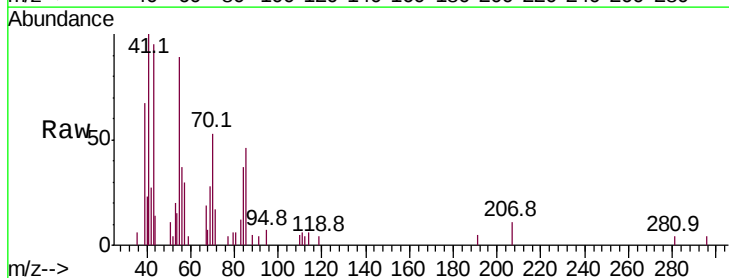
Tgt Ion: 88 Resp: 213

Ion Ratio Lower Upper

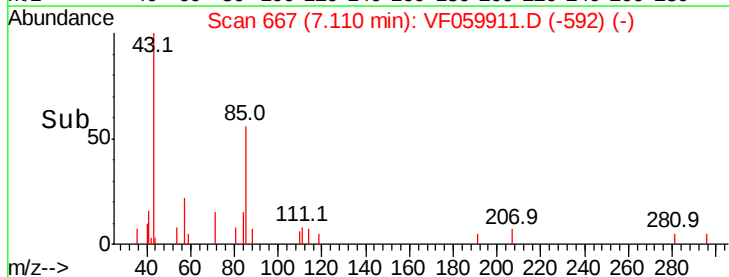
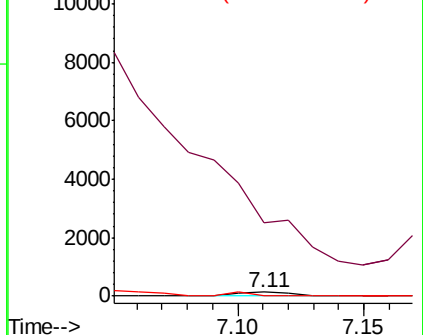
88 100

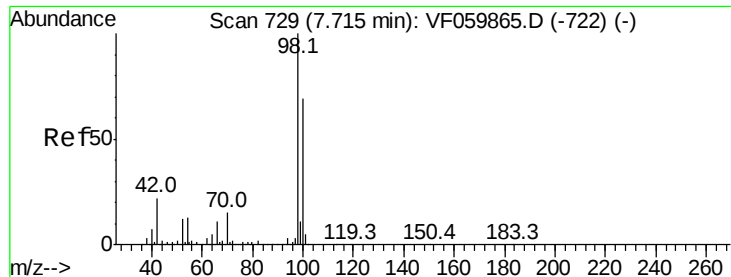
43 1751.7 58.3 87.5#

58 0.0 49.4 74.2#



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

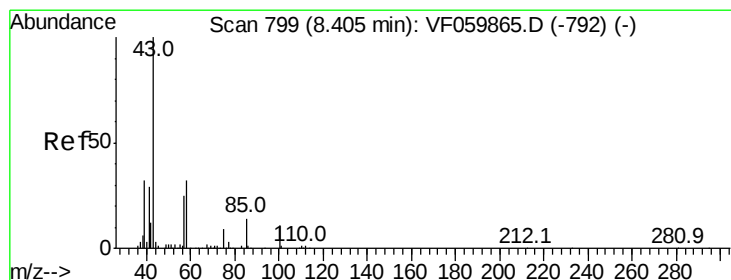
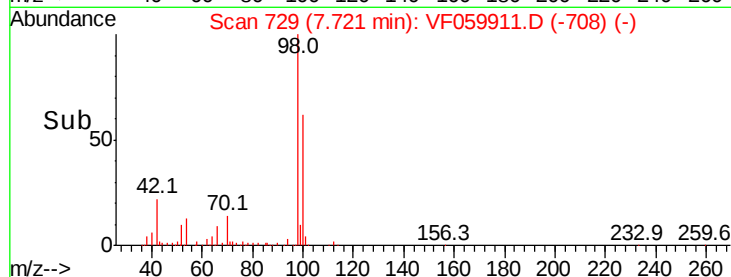
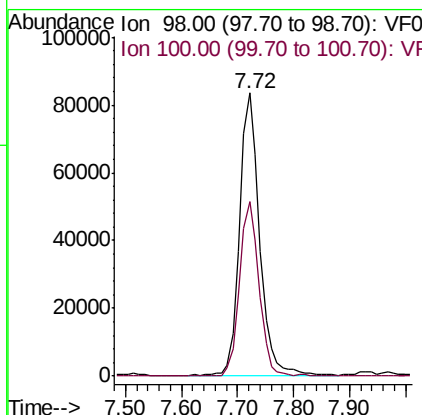
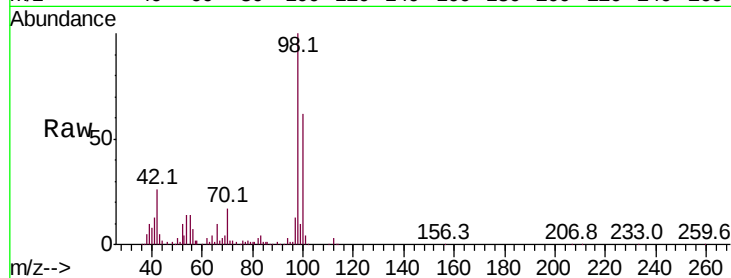




#50
Toluene-d8
Concen: 37.511 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.01 min
Lab File: VF059911.D
Acq: 7 Aug 2018 9:48

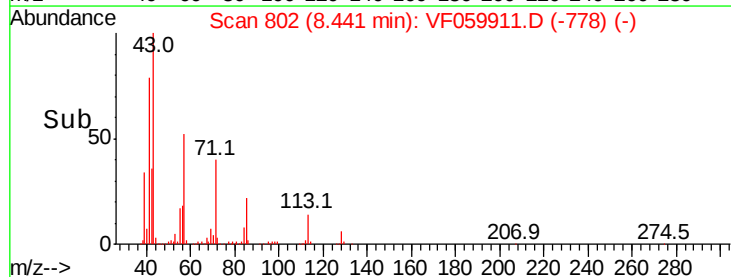
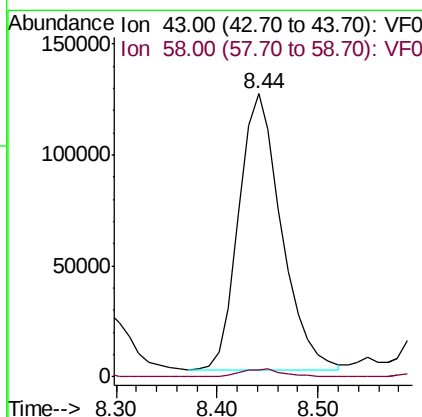
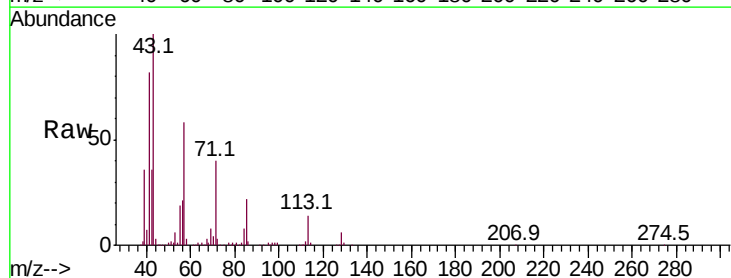
Instrument :
MSVOA_F
ClientSampled :

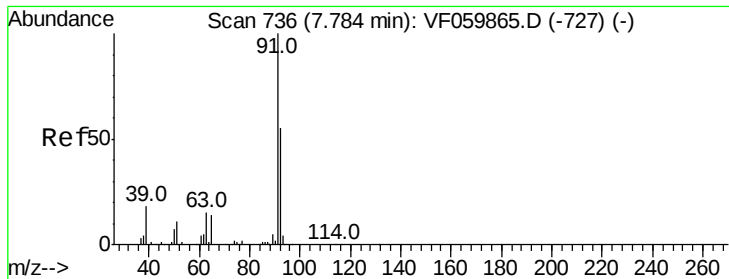
Tot Ion: 98 Resp: 208903
Ion Ratio Lower Upper
98 100
100 61.6 55.0 82.6



#51
4-Methyl-2-Pentanone
Concen: 265.197 ug/l
RT: 8.44 min Scan# 802
Delta R.T. 0.04 min
Lab File: VF059911.D
Acq: 7 Aug 2018 9:48

Tgt Ion: 43 Resp: 364775
Ion Ratio Lower Upper
43 100
58 2.6 25.4 38.0#





#52

Toluene

Concen: 5.278 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF059911.D

Acq: 7 Aug 2018 9:48

Instrument :

MSVOA_F

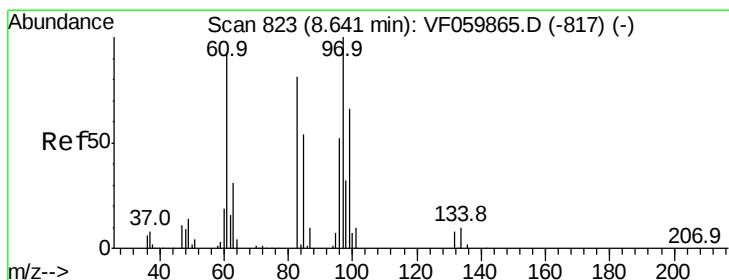
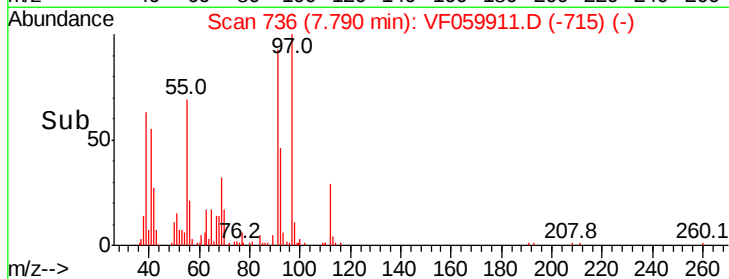
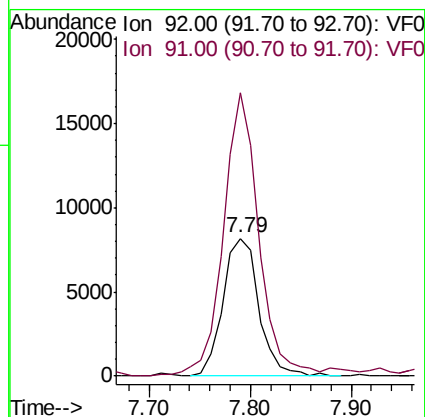
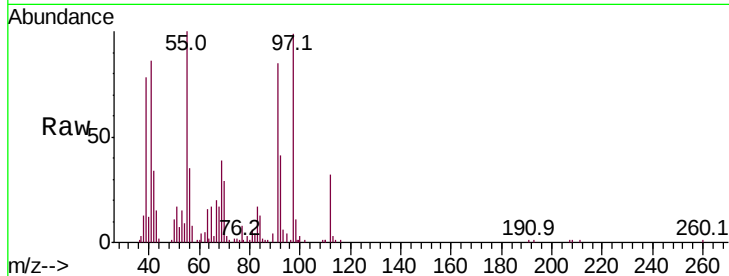
ClientSampleId :

Tot Ion: 92 Resp: 20283

Ion Ratio Lower Upper

92 100

91 205.8 145.7 218.5



#55

1,1,2-Trichloroethane

Concen: 24.413 ug/l

RT: 8.59 min Scan# 817

Delta R.T. -0.05 min

Lab File: VF059911.D

Acq: 7 Aug 2018 9:48

Tgt Ion: 97 Resp: 33774

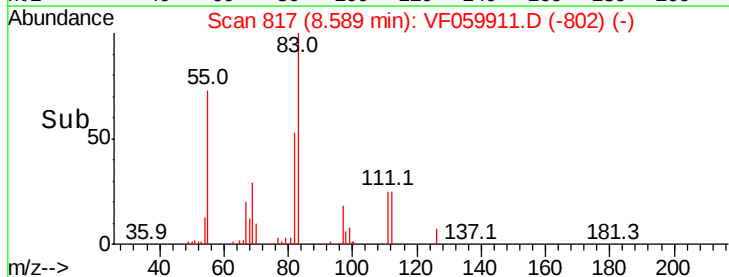
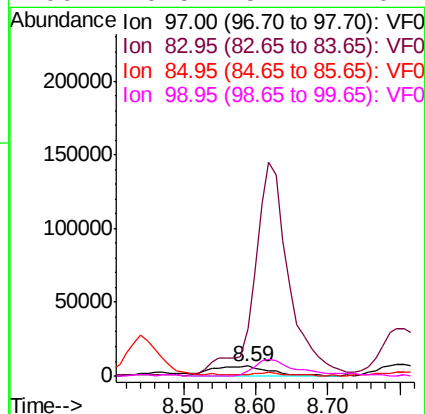
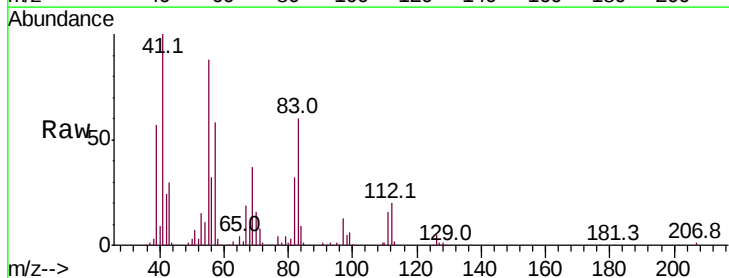
Ion Ratio Lower Upper

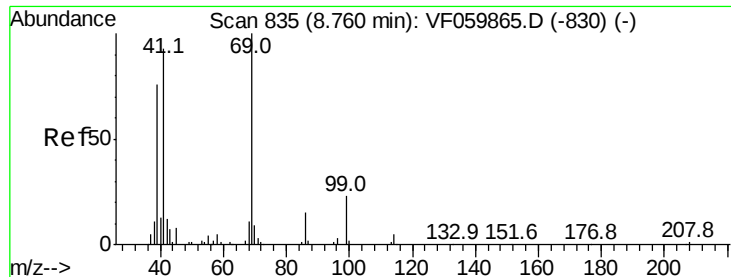
97 100

83 466.0 64.4 96.6#

85 10.8 43.1 64.7#

99 46.5 52.7 79.1#





#56

Ethyl methacrylate

Concen: 373.331 ug/l

RT: 8.81 min Scan# 839

Delta R.T. 0.05 min

Lab File: VF059911.D

Acq: 7 Aug 2018 9:48

Instrument :
MSVOA_F
ClientSampleId :

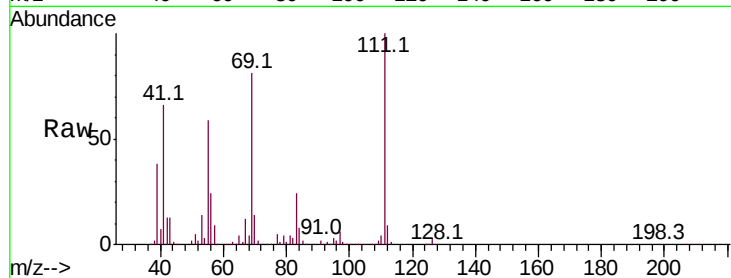
Tot Ion: 69 Resp: 601665

Ion Ratio Lower Upper

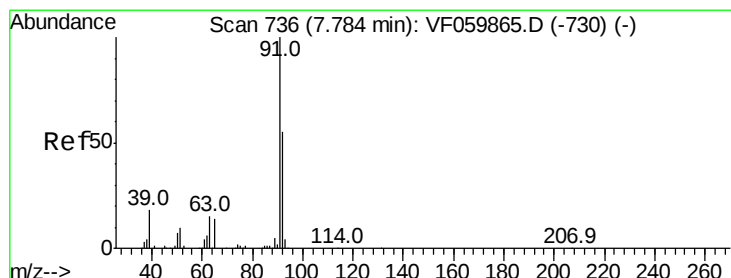
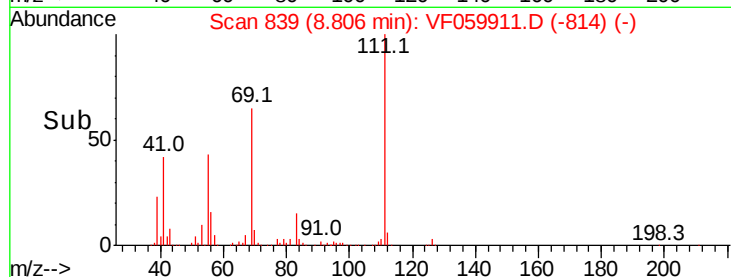
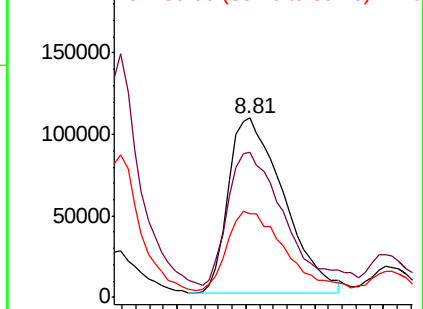
69 100

41 81.1 74.7 112.1

39 46.5 61.1 91.7#



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



#58

2-Chloroethyl Vinyl ether

Concen: 45.726 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF059911.D

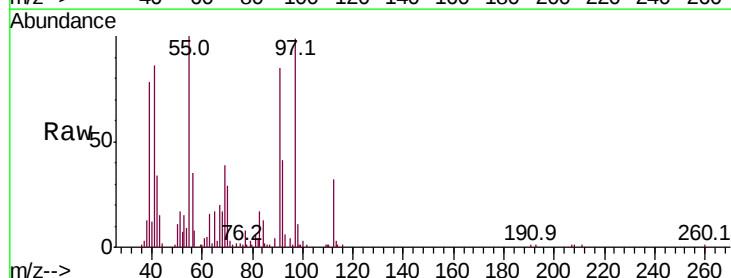
Acq: 7 Aug 2018 9:48

Tgt Ion: 63 Resp: 8369

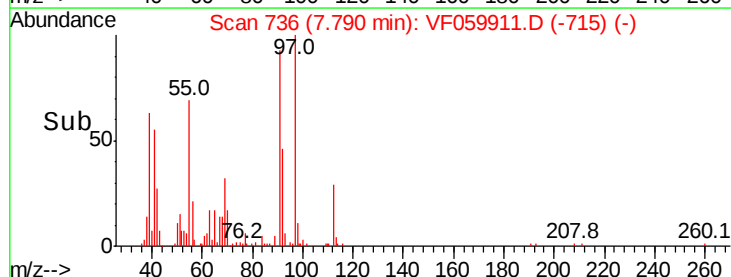
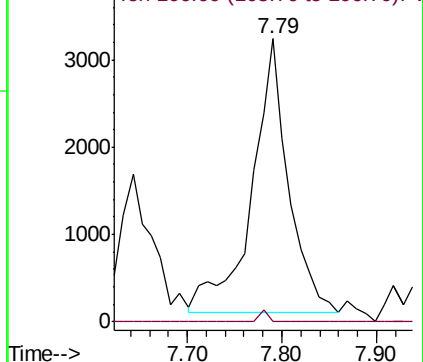
Ion Ratio Lower Upper

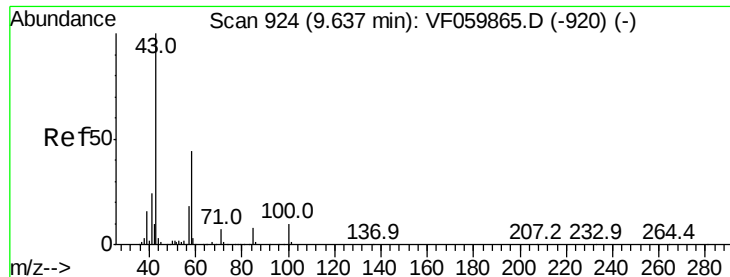
63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0
Ion 106.00 (105.70 to 106.70): V

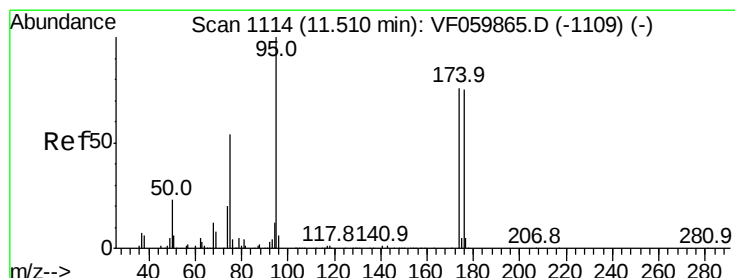
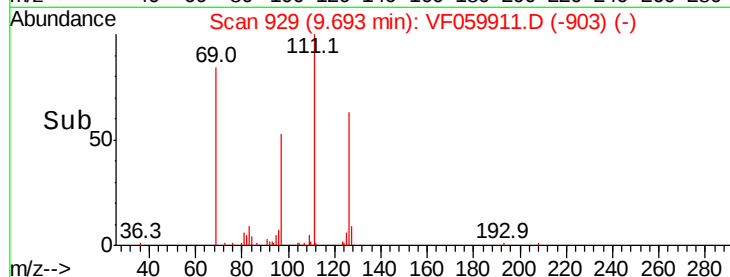
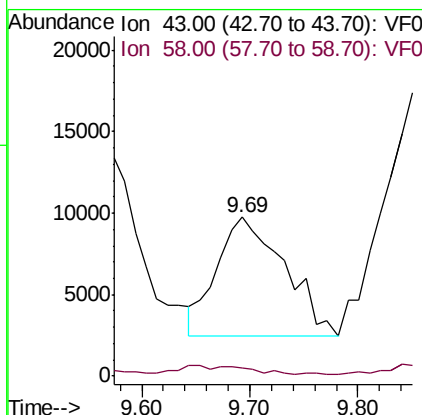
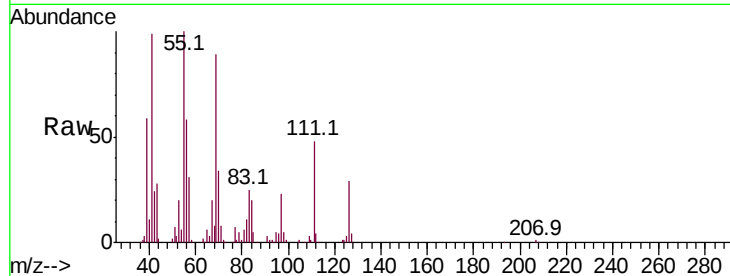




#59
2-Hexanone
Concen: 32.646 ug/l
RT: 9.69 min Scan# 929
Delta R.T. 0.06 min
Lab File: VF059911.D
Acq: 7 Aug 2018 9:48

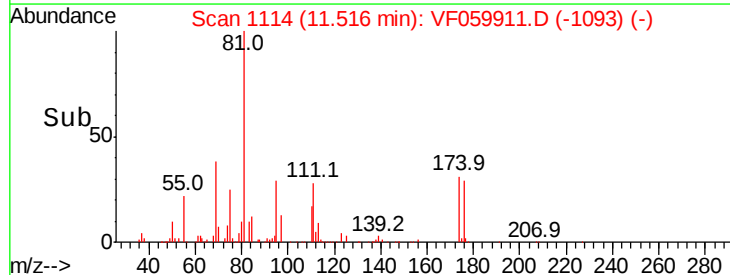
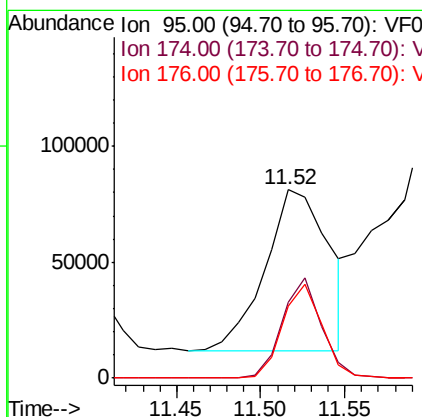
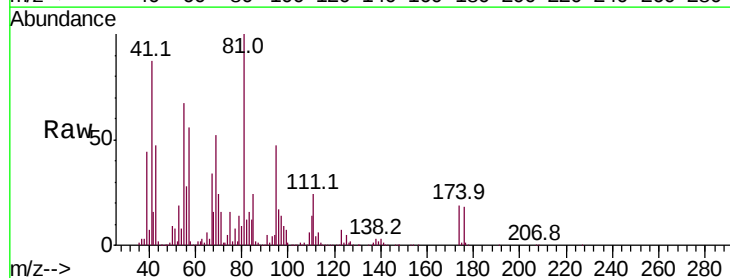
Instrument :
MSVOA_F
ClientSampled :

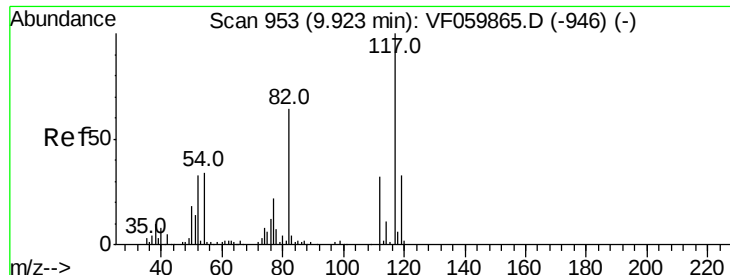
Tot Ion: 43 Resp: 31720
Ion Ratio Lower Upper
43 100
58 5.0 20.8 62.2#



#62
4-Bromofluorobenzene
Concen: 58.524 ug/l
RT: 11.52 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VF059911.D
Acq: 7 Aug 2018 9:48

Tgt Ion: 95 Resp: 183144
Ion Ratio Lower Upper
95 100
174 40.4 0.0 151.6
176 38.0 0.0 149.8

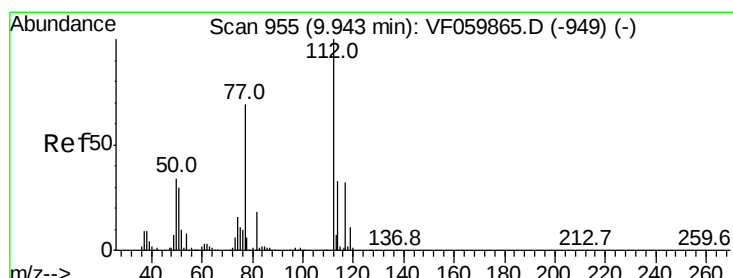
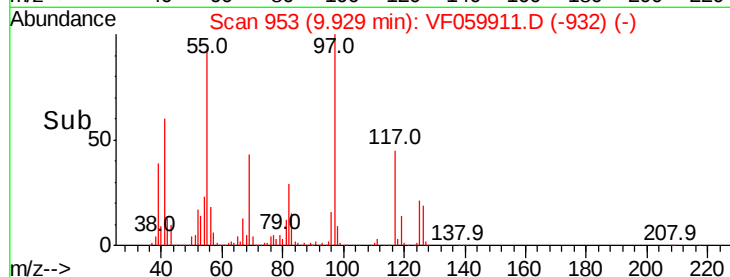
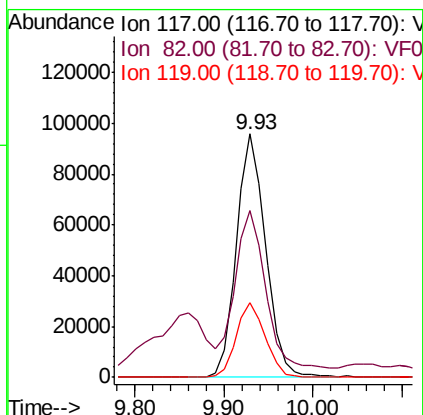
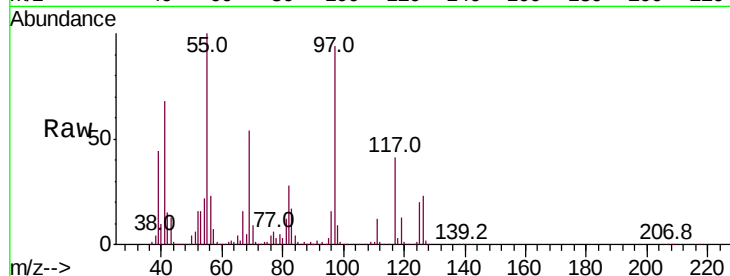




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF059911.D
Acq: 7 Aug 2018 9:48

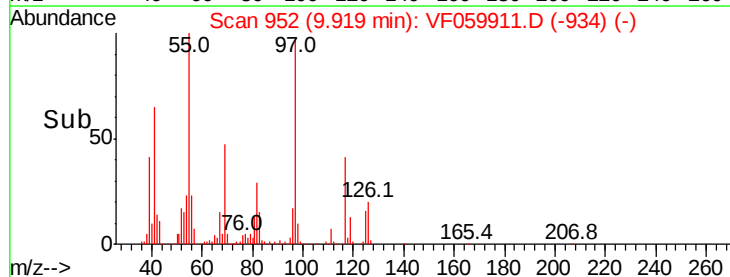
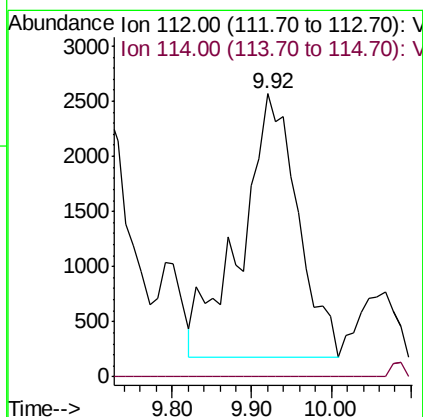
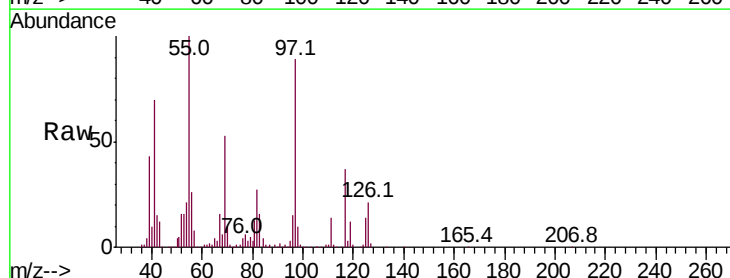
Instrument :
MSVOA_F
ClientSampleId :

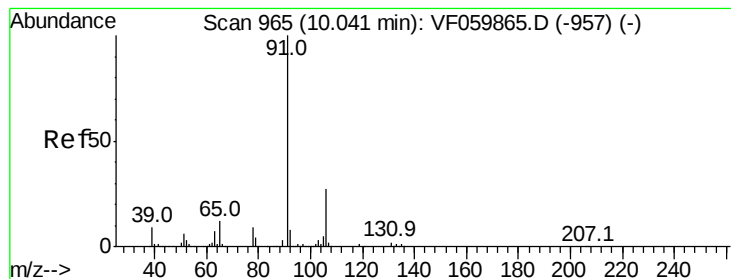
Tot Ion	Ratio	Lower	Upper
117	100		
82	68.5	51.3	76.9
119	30.9	26.4	39.6



#65
Chlorobenzene
Concen: 2.648 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF059911.D
Acq: 7 Aug 2018 9:48

Tgt Ion	Ratio	Lower	Upper
112	100		
114	0.0	26.4	39.6#





#67

Ethyl Benzene

Concen: 86.447 ug/l

RT: 10.06 min Scan# 966

Delta R.T. 0.02 min

Lab File: VF059911.D

Acq: 7 Aug 2018 9:48

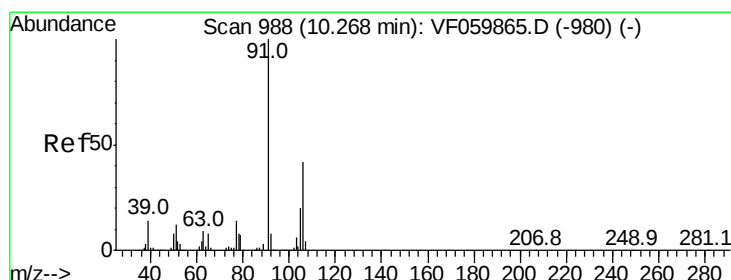
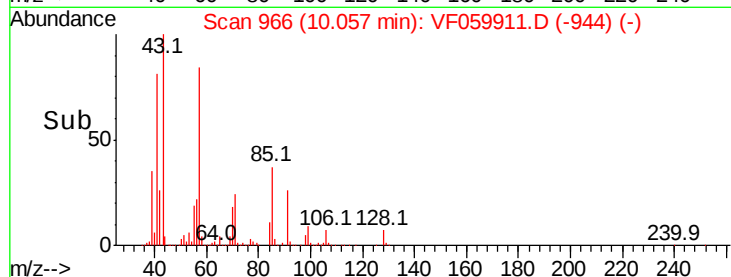
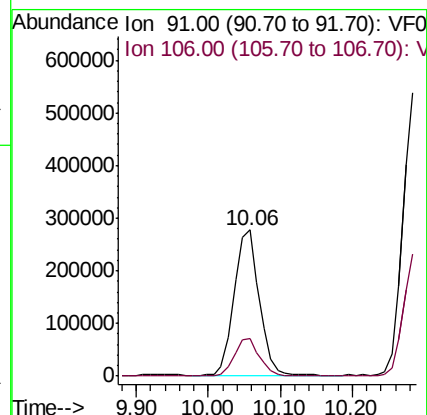
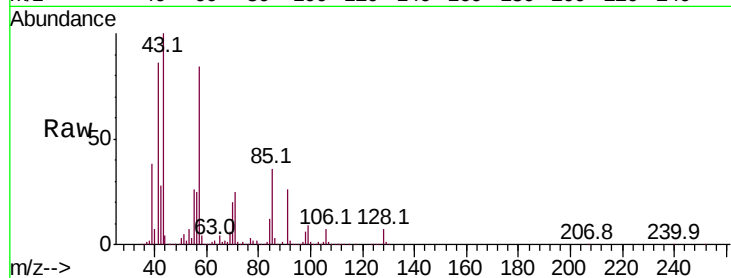
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 91 Resp: 667490

Ion Ratio Lower Upper

91 100

106 25.7 21.5 32.3



#68

m/p-Xylenes

Concen: 181.175 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.02 min

Lab File: VF059911.D

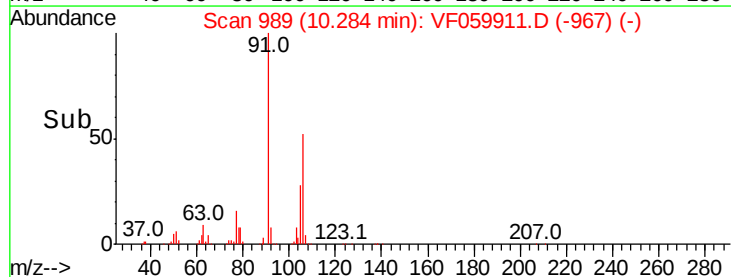
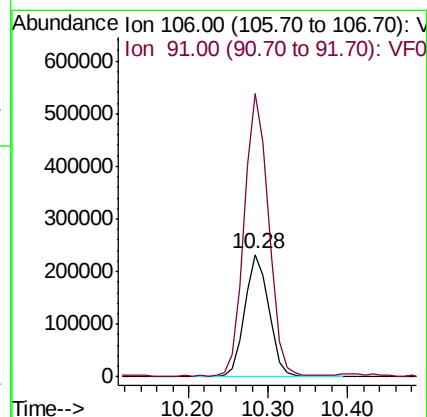
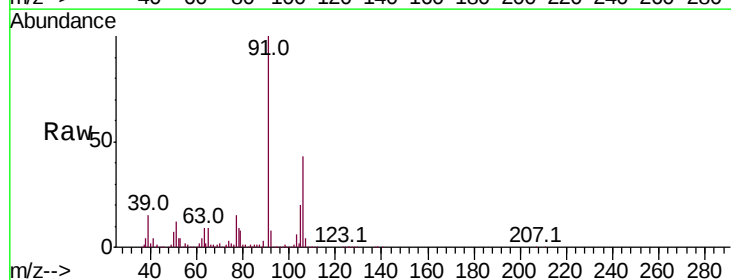
Acq: 7 Aug 2018 9:48

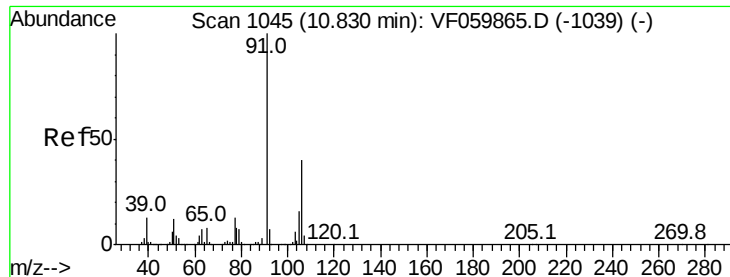
Tgt Ion:106 Resp: 483580

Ion Ratio Lower Upper

106 100

91 231.7 192.1 288.1

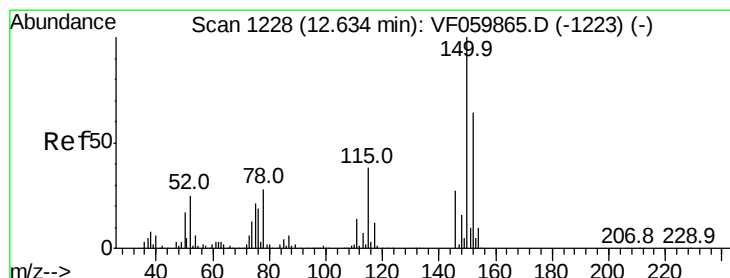
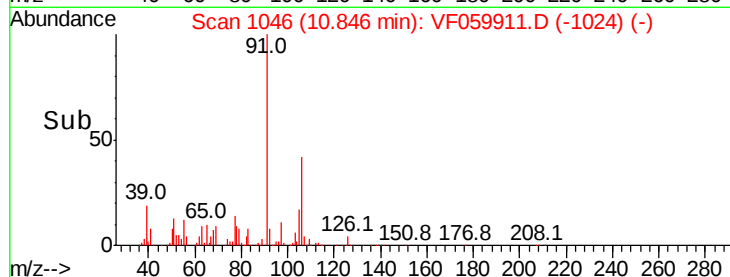
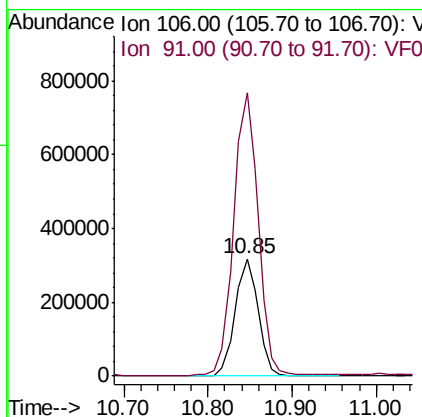
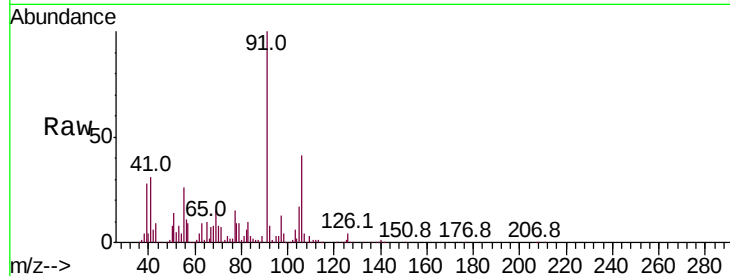




#69
o-Xylene
Concen: 215.131 ug/l
RT: 10.85 min Scan# 1046
Delta R.T. 0.02 min
Lab File: VF059911.D
Acq: 7 Aug 2018 9:48

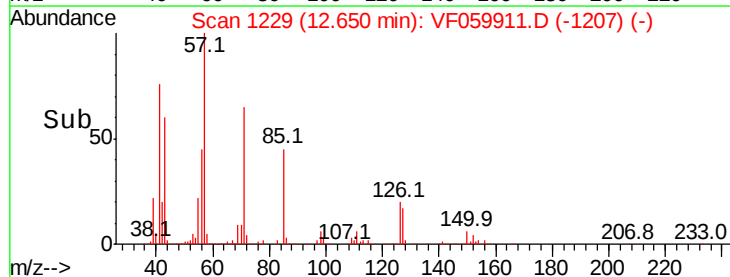
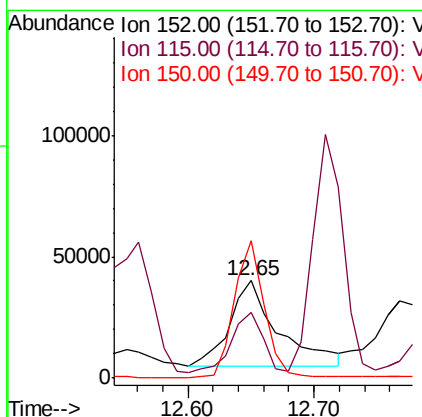
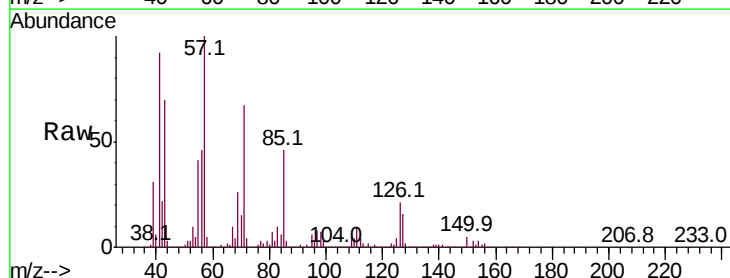
Instrument :
MSVOA_F
ClientSampled :

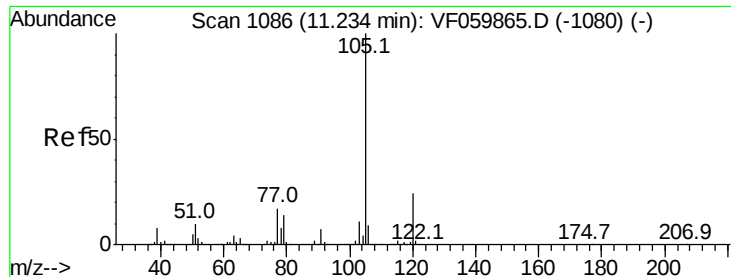
Tot Ion:106 Resp: 608293
Ion Ratio Lower Upper
106 100
91 241.3 125.4 376.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.65 min Scan# 1229
Delta R.T. 0.02 min
Lab File: VF059911.D
Acq: 7 Aug 2018 9:48

Tgt Ion:152 Resp: 93644
Ion Ratio Lower Upper
152 100
115 68.0 29.8 89.4
150 140.8 0.0 315.6





#73

Isopropylbenzene

Concen: 102.187 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VF059911.D

Acq: 7 Aug 2018 9:48

Instrument :

MSVOA_F

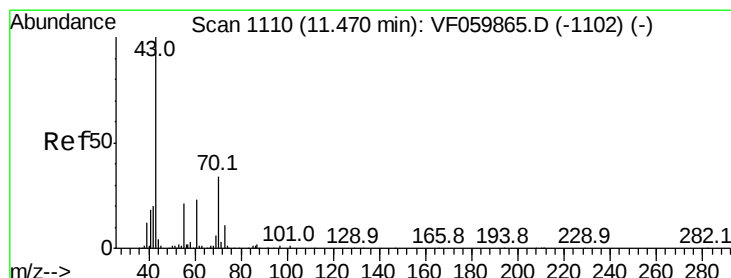
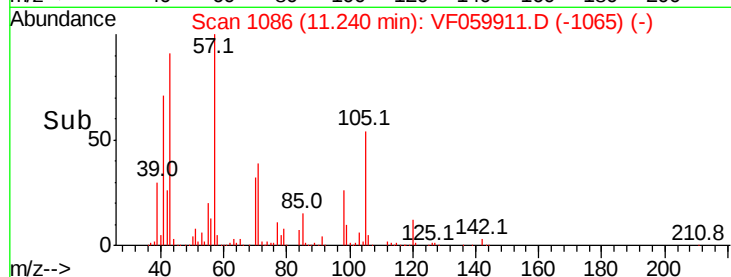
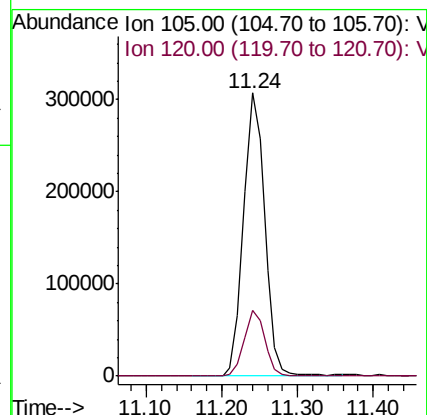
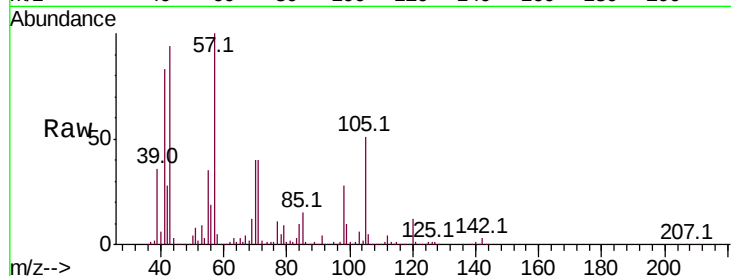
ClientSampleId :

Tot Ion:105 Resp: 596023

Ion Ratio Lower Upper

105 100

120 23.0 12.1 36.3



#74

N-ethyl acetate

Concen: 730.692 ug/l

RT: 11.39 min Scan# 1101

Delta R.T. -0.08 min

Lab File: VF059911.D

Acq: 7 Aug 2018 9:48

Tgt Ion: 43 Resp: 1116452

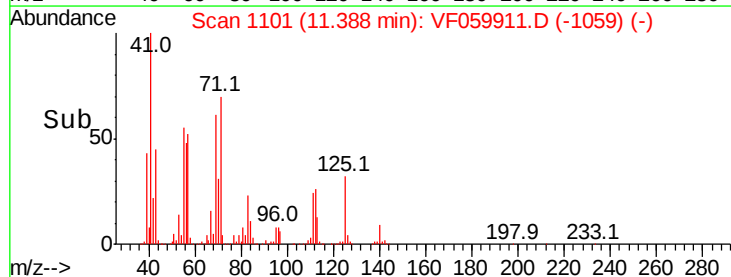
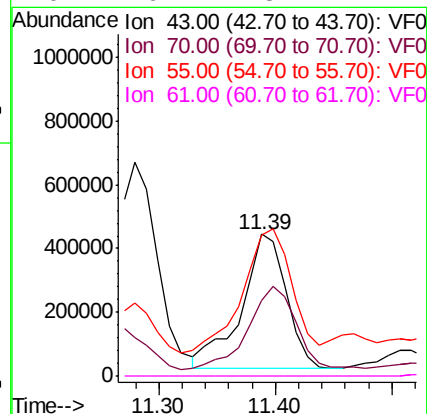
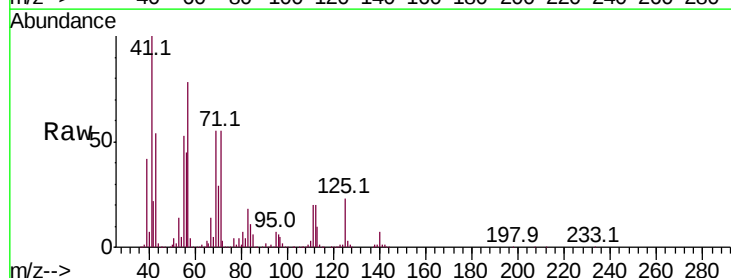
Ion Ratio Lower Upper

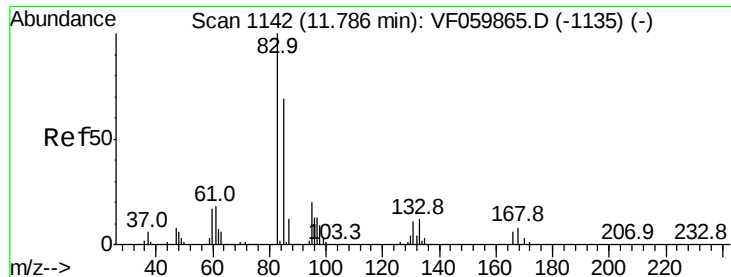
43 100

70 53.3 27.5 41.3#

55 99.7 16.6 25.0#

61 0.1 18.2 27.4#





#75

1,1,2,2-Tetrachloroethane

Concen: 328.425 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF059911.D

Acq: 7 Aug 2018 9:48

Instrument :

MSVOA_F

ClientSampleId :

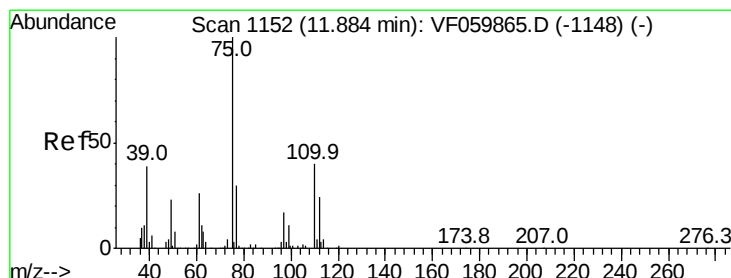
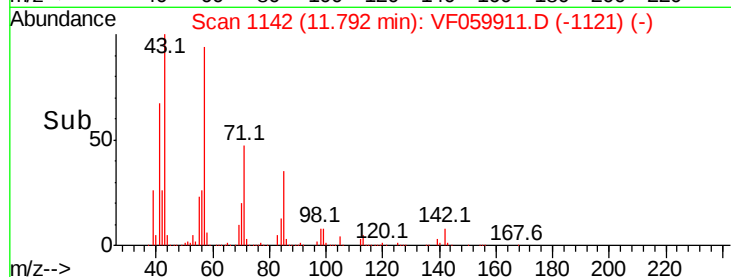
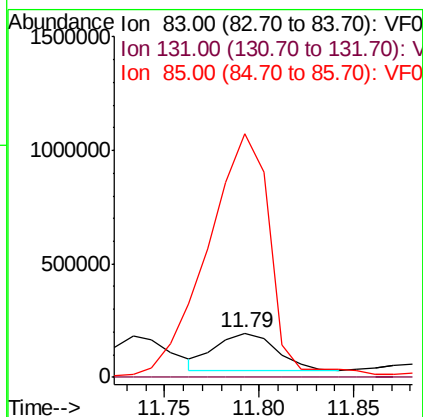
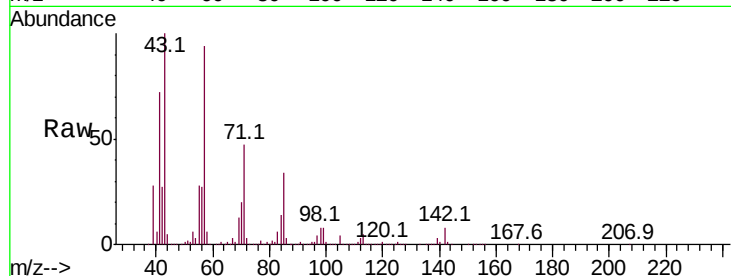
Tot Ion: 83 Resp: 359651

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

85 551.9 34.5 103.5#



#76

1,2,3-Trichloropropane

Concen: 39.505 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. 0.06 min

Lab File: VF059911.D

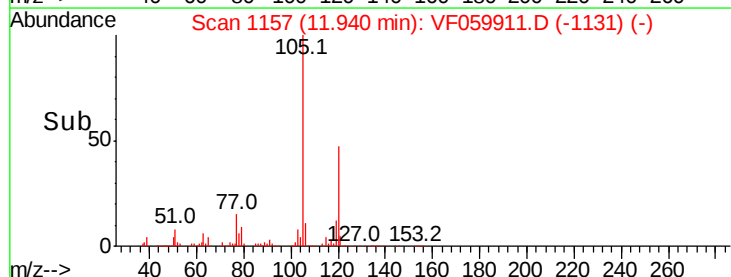
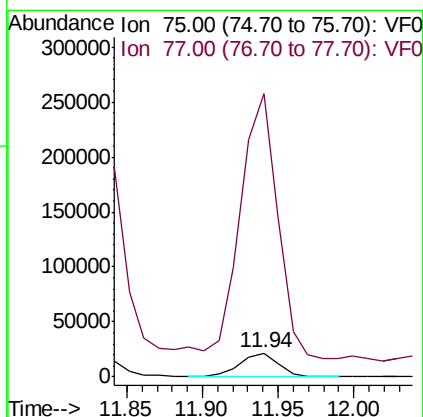
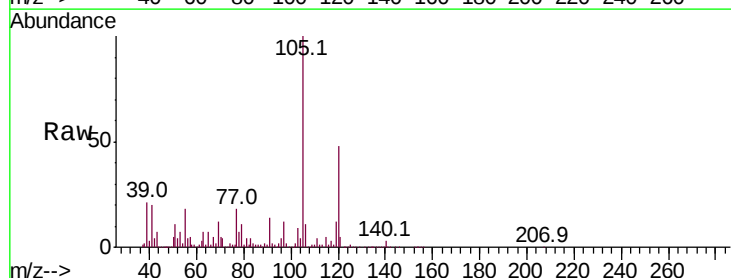
Acq: 7 Aug 2018 9:48

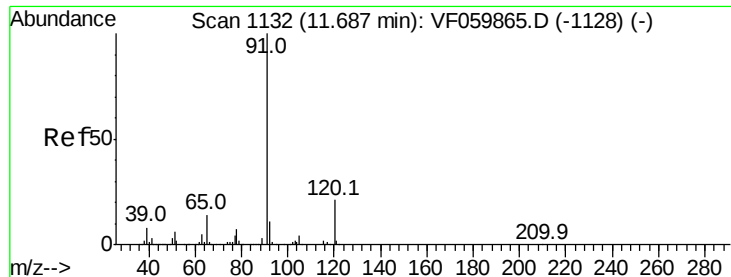
Tgt Ion: 75 Resp: 37157

Ion Ratio Lower Upper

75 100

77 1200.7 15.4 46.2#





#78

n-propylbenzene

Concen: 204.624 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.02 min

Lab File: VF059911.D

Acq: 7 Aug 2018 9:48

Instrument :

MSVOA_F

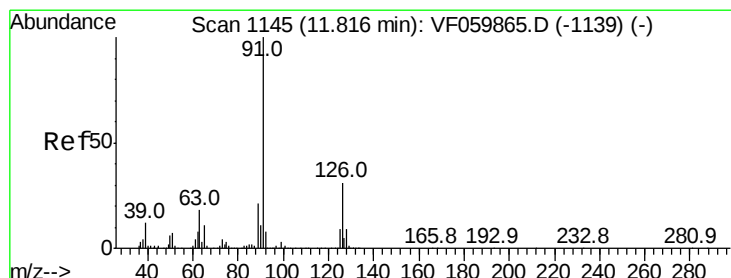
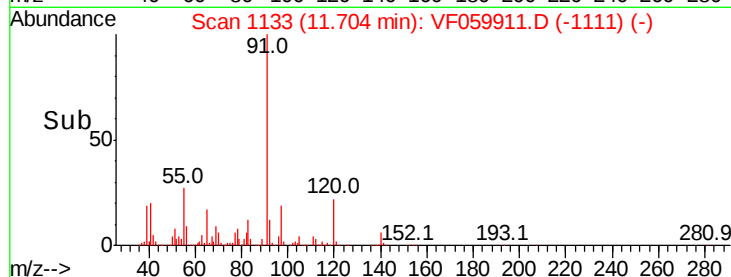
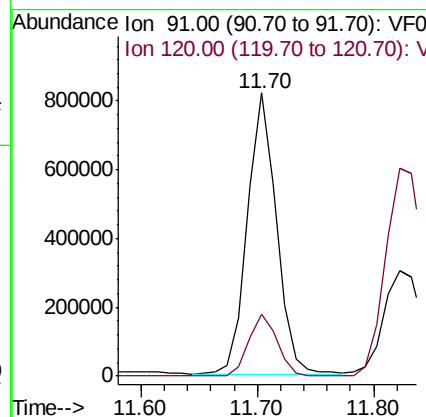
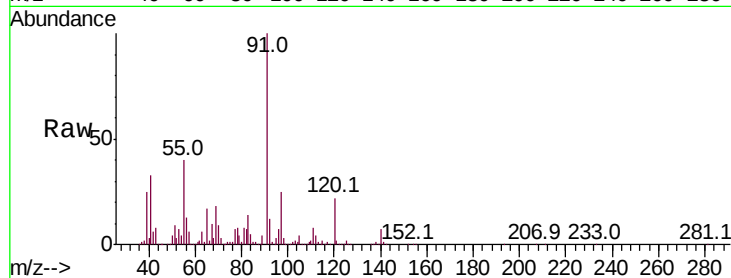
ClientSampleId :

Tot Ion: 91 Resp: 1409498

Ion Ratio Lower Upper

91 100

120 21.8 10.4 31.2



#79

2-Chlorotoluene

Concen: 157.158 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF059911.D

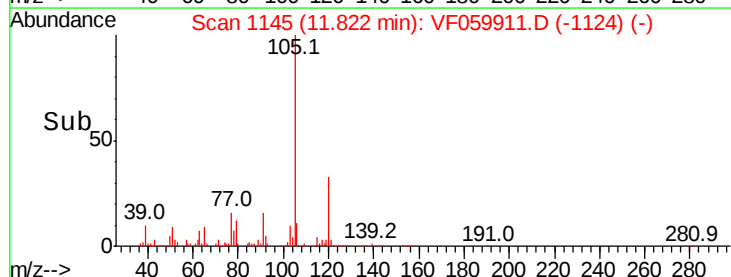
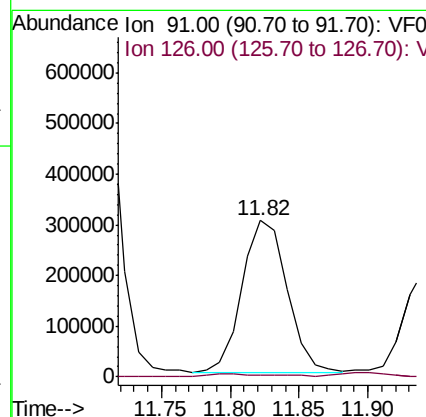
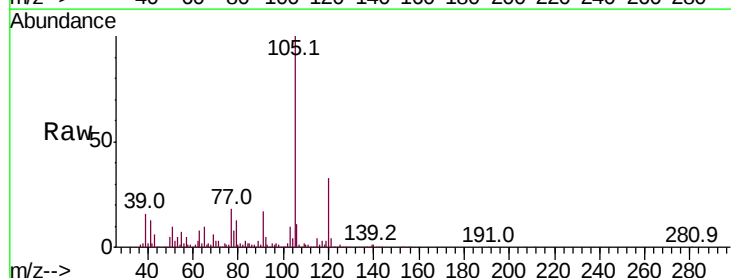
Acq: 7 Aug 2018 9:48

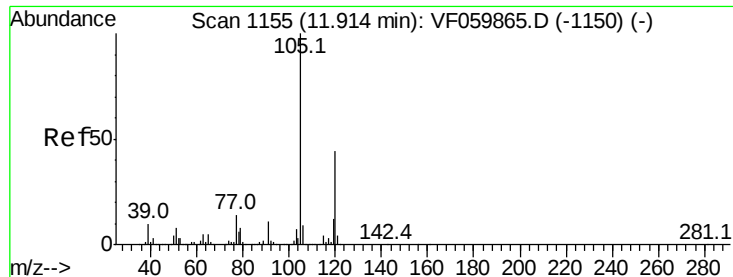
Tgt Ion: 91 Resp: 684790

Ion Ratio Lower Upper

91 100

126 1.5 15.6 46.7#



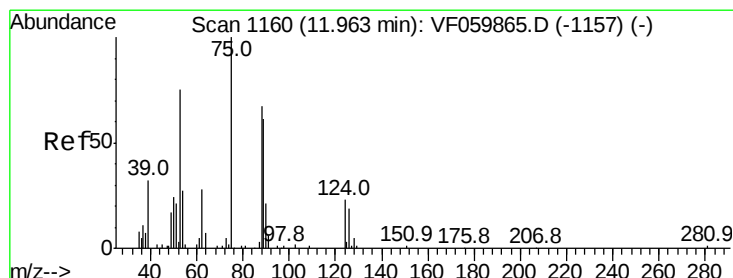
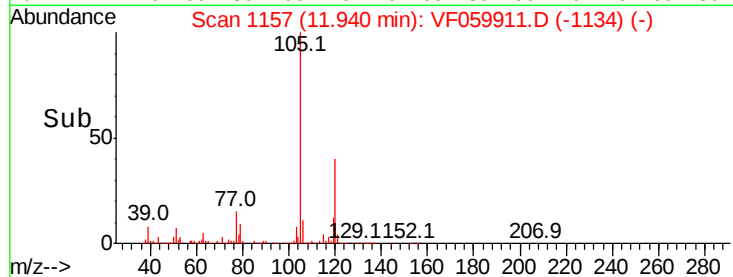
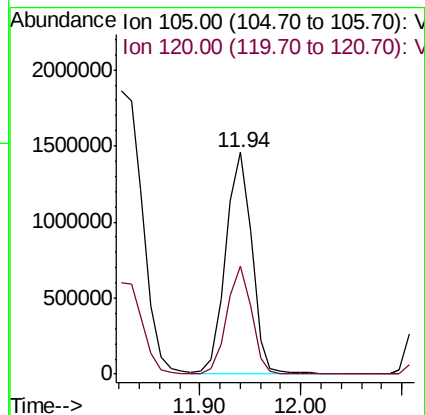
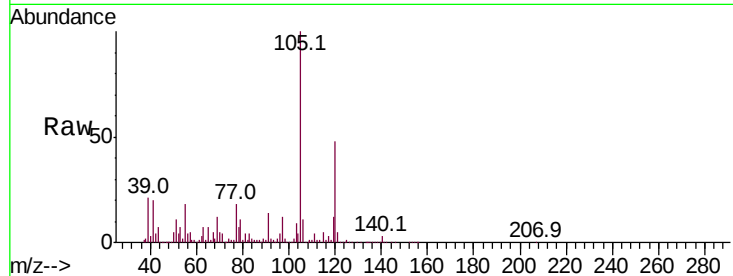


#80

1,3,5-Trimethylbenzene
Concen: 482.791 ug/l
RT: 11.94 min Scan# 1157
Delta R.T. 0.03 min
Lab File: VF059911.D
Acq: 7 Aug 2018 9:48

Instrument :
MSVOA_F
ClientSampled :

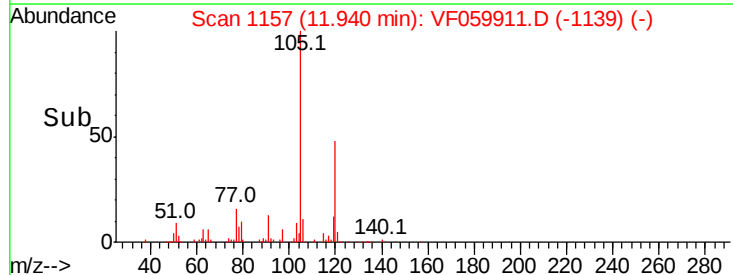
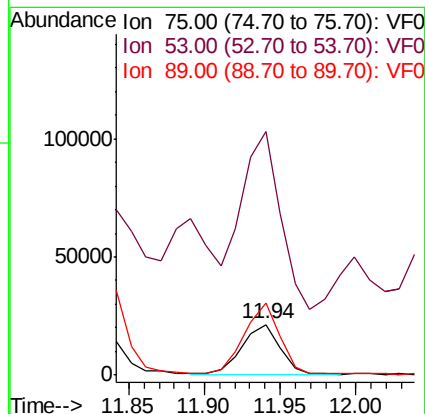
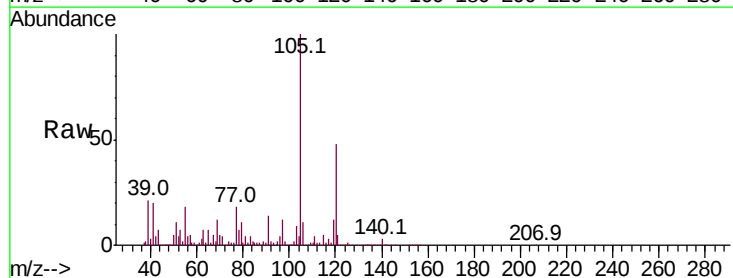
Tot Ion:105 Resp: 2614874
Ion Ratio Lower Upper
105 100
120 48.4 21.9 65.7

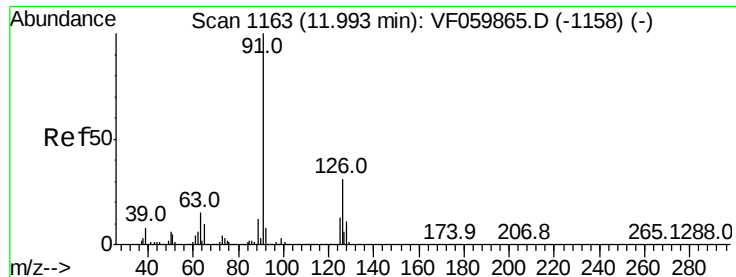


#81

trans-1,4-Dichloro-2-butene
Concen: 109.983 ug/l
RT: 11.94 min Scan# 1157
Delta R.T. -0.02 min
Lab File: VF059911.D
Acq: 7 Aug 2018 9:48

Tgt Ion: 75 Resp: 37157
Ion Ratio Lower Upper
75 100
53 480.5 65.9 98.9#
89 143.4 50.6 76.0#

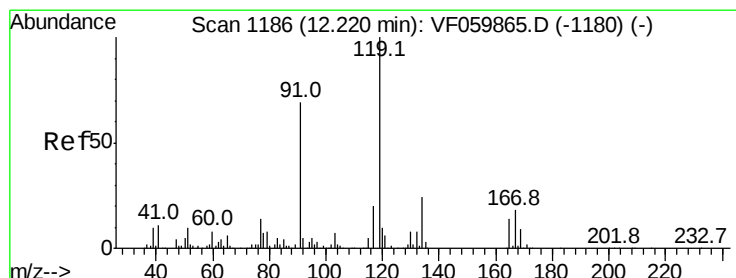
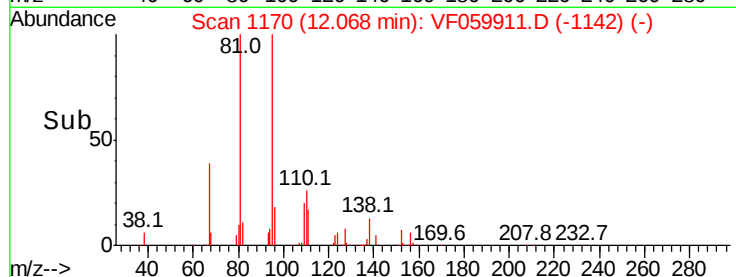
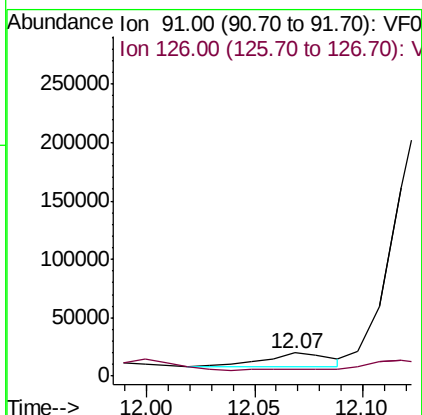
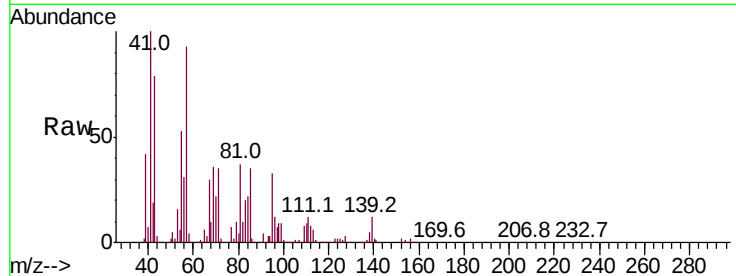




#82
4-Chlorotoluene
Concen: 5.332 ug/l
RT: 12.07 min Scan# 1170
Delta R.T. 0.08 min
Lab File: VF059911.D
Acq: 7 Aug 2018 9:48

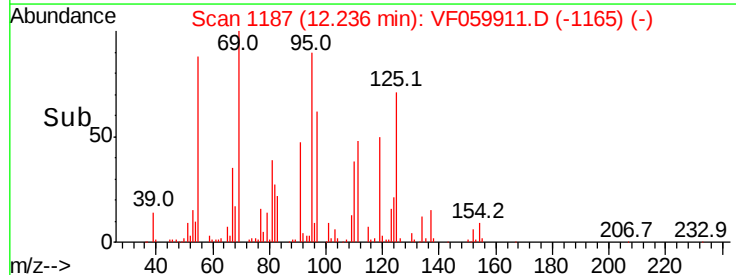
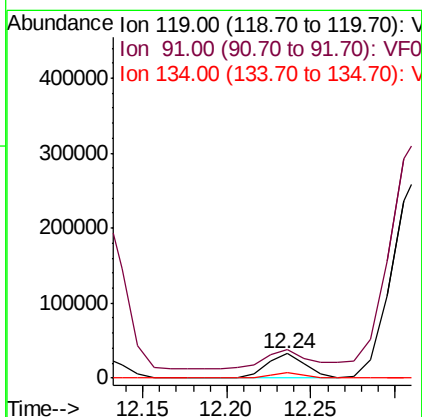
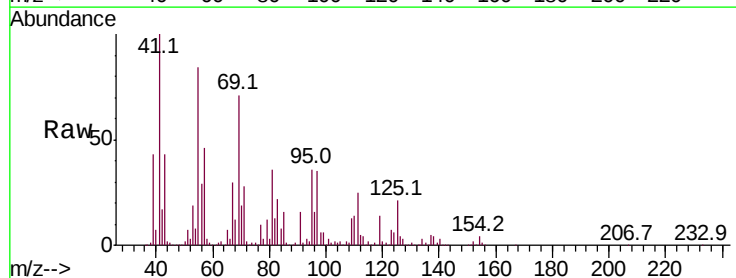
Instrument :
MSVOA_F
ClientSampled :

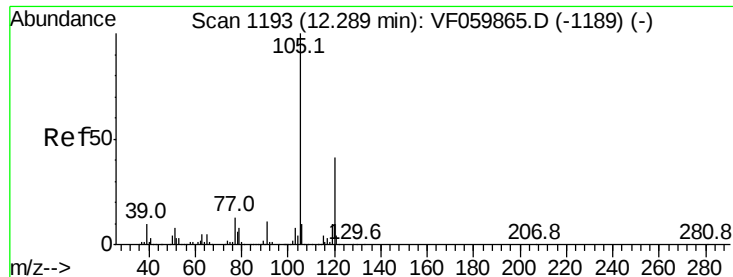
Tot Ion: 91 Resp: 25225
Ion Ratio Lower Upper
91 100
126 31.7 15.7 47.0



#83
tert-Butylbenzene
Concen: 9.789 ug/l
RT: 12.24 min Scan# 1187
Delta R.T. 0.02 min
Lab File: VF059911.D
Acq: 7 Aug 2018 9:48

Tgt Ion: 119 Resp: 51609
Ion Ratio Lower Upper
119 100
91 116.1 34.4 103.2#
134 24.2 12.1 36.3



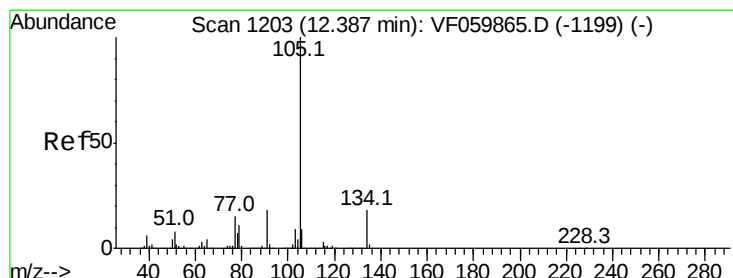
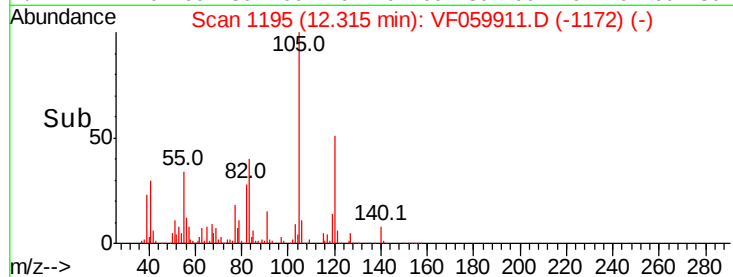
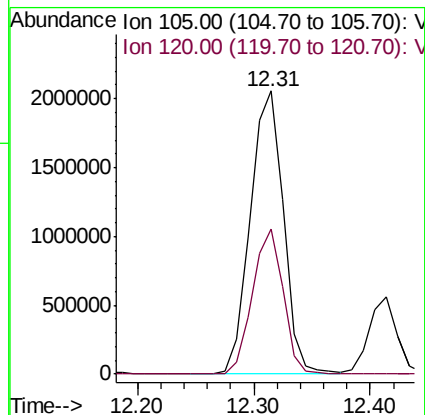
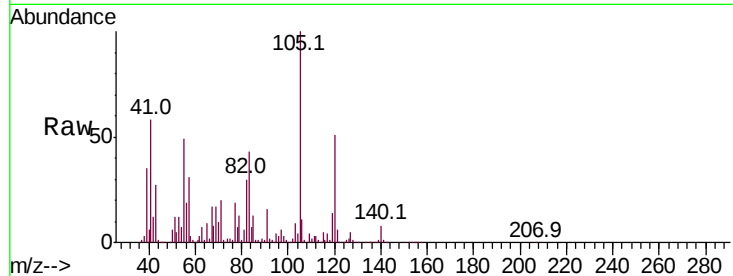


#84

1,2,4-Trimethylbenzene
 Concen: 721.155 ug/l
 RT: 12.31 min Scan# 1195
 Delta R.T. 0.03 min
 Lab File: VF059911.D
 Acq: 7 Aug 2018 9:48

Instrument :
 MSVOA_F
 ClientSampleId :

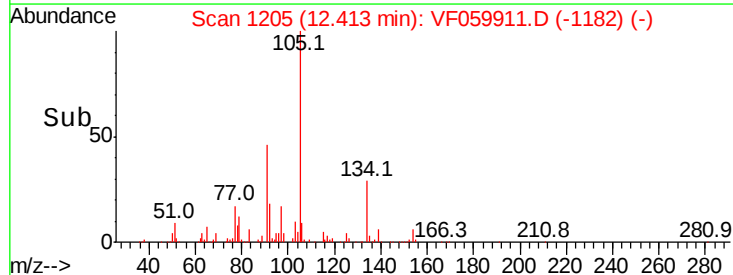
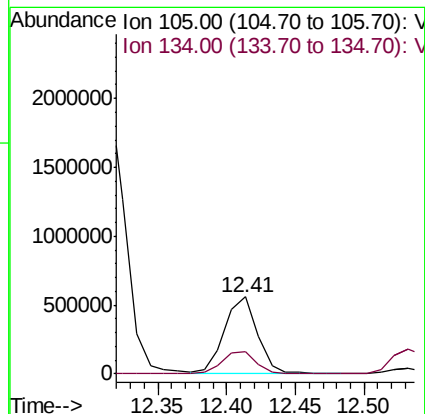
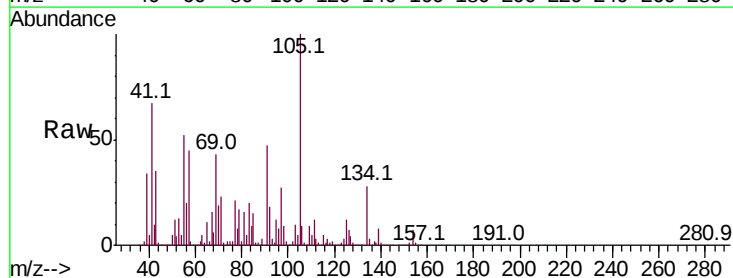
Tot Ion:105 Resp: 4017082
 Ion Ratio Lower Upper
 105 100
 120 51.4 20.8 62.5

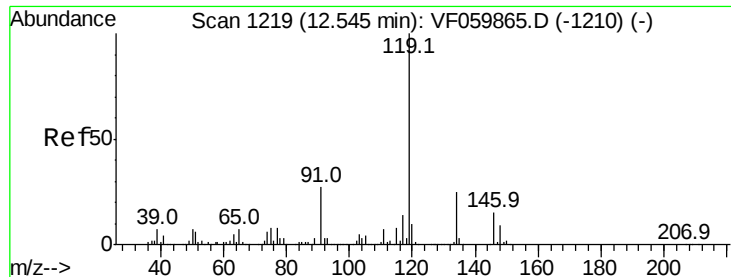


#85

sec-Butylbenzene
 Concen: 130.161 ug/l
 RT: 12.41 min Scan# 1205
 Delta R.T. 0.03 min
 Lab File: VF059911.D
 Acq: 7 Aug 2018 9:48

Tgt Ion:105 Resp: 911785
 Ion Ratio Lower Upper
 105 100
 134 28.2 9.1 27.3#

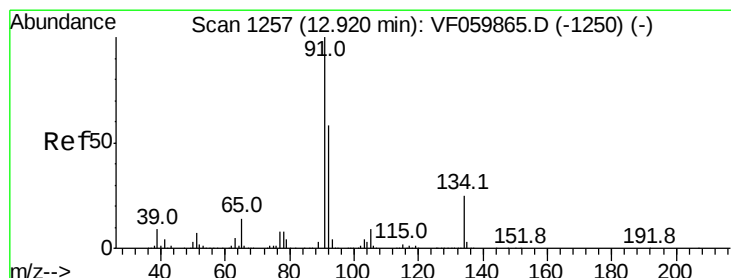
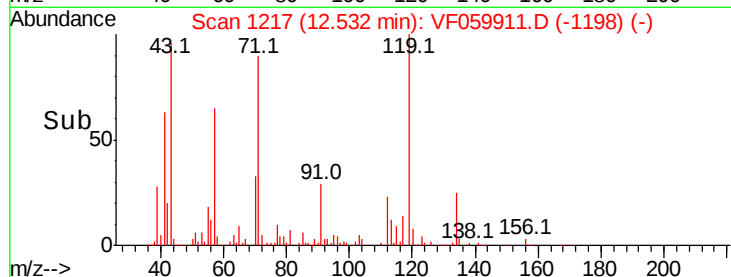
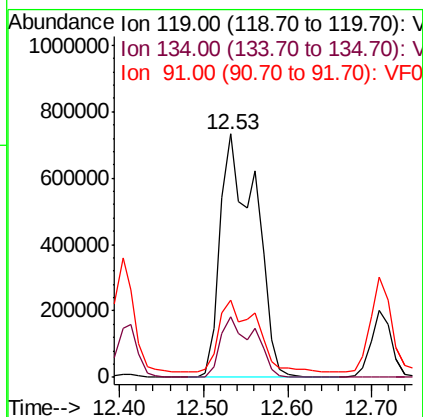
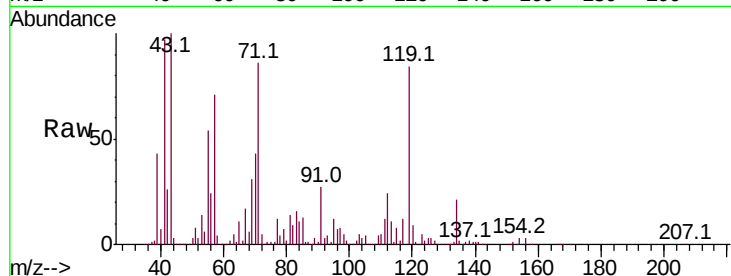




#86
p-Isopropyltoluene
Concen: 362.912 ug/l
RT: 12.53 min Scan# 1217
Delta R.T. -0.01 min
Lab File: VF059911.D
Acq: 7 Aug 2018 9:48

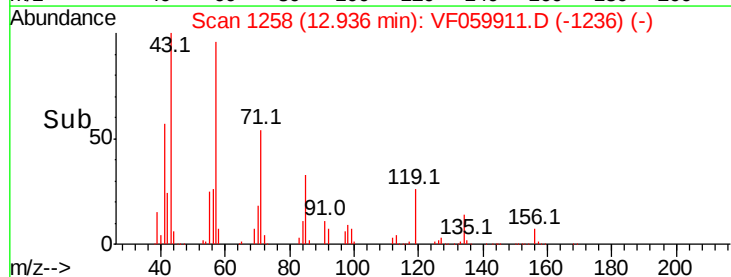
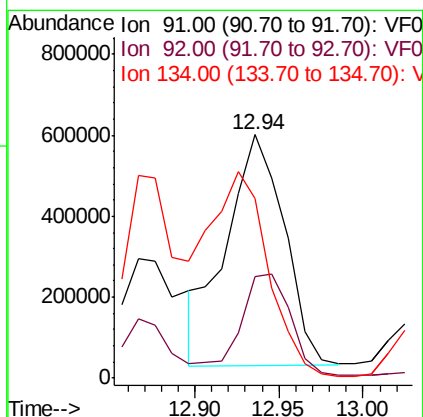
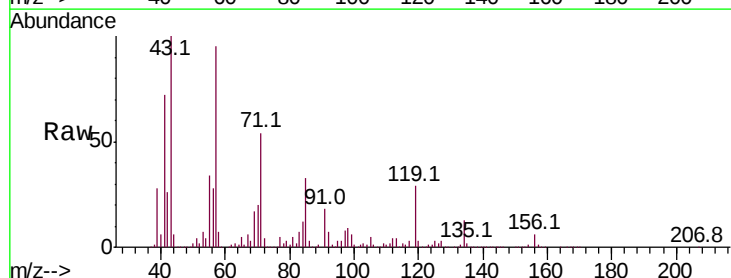
Instrument :
MSVOA_F
ClientSampled :

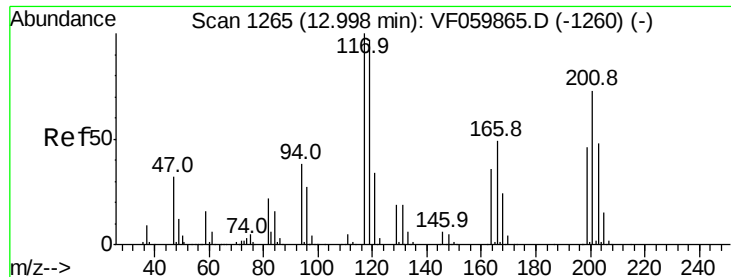
Tot Ion:119 Resp: 2136736
Ion Ratio Lower Upper
119 100
134 25.0 12.4 37.0
91 31.6 13.6 40.7



#89
n-Butylbenzene
Concen: 243.290 ug/l
RT: 12.94 min Scan# 1258
Delta R.T. 0.02 min
Lab File: VF059911.D
Acq: 7 Aug 2018 9:48

Tgt Ion: 91 Resp: 1365165
Ion Ratio Lower Upper
91 100
92 41.7 28.8 86.5
134 73.7 12.6 37.6#





#90

Hexachloroethane

Concen: 56.835 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.03 min

Lab File: VF059911.D

Acq: 7 Aug 2018 9:48

Instrument :

MSVOA_F

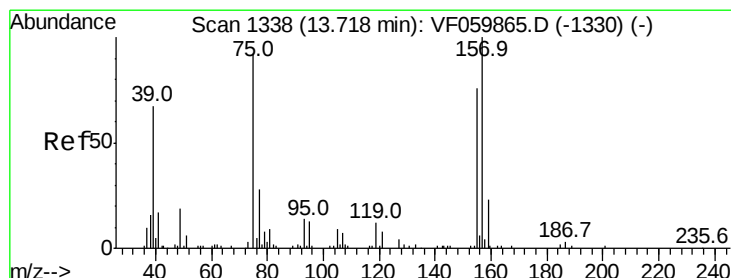
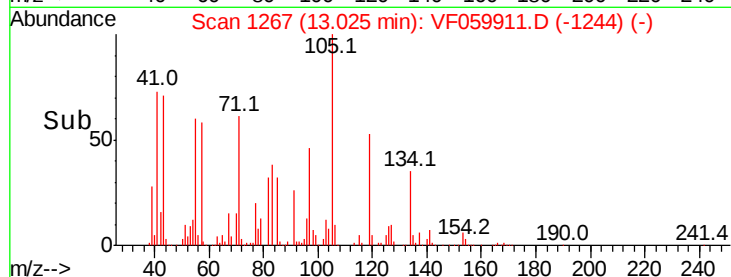
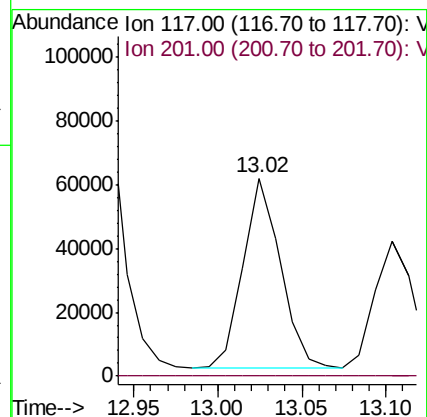
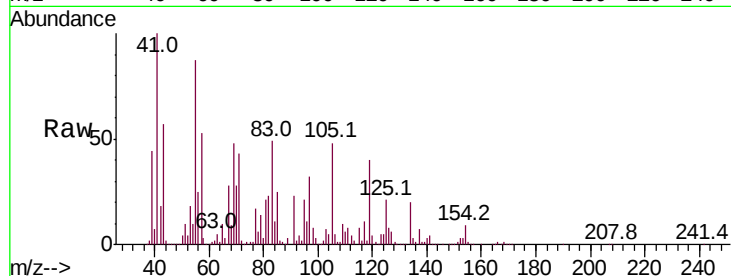
ClientSampleId :

Tot Ion:117 Resp: 92340

Ion Ratio Lower Upper

117 100

201 0.0 36.6 109.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 83.353 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VF059911.D

Acq: 7 Aug 2018 9:48

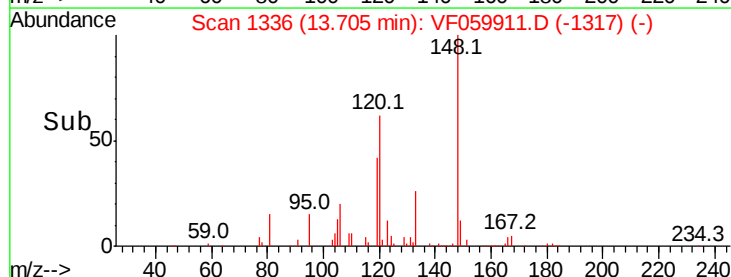
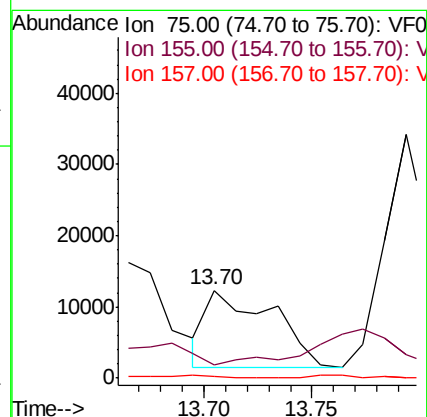
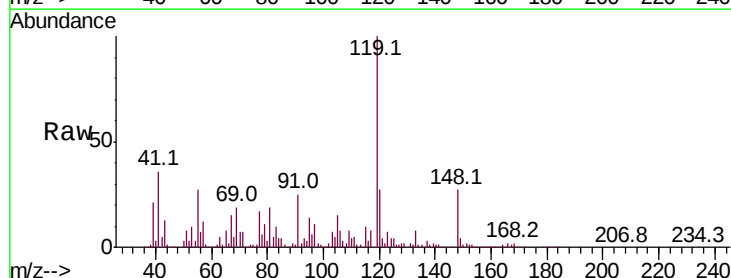
Tgt Ion: 75 Resp: 23011

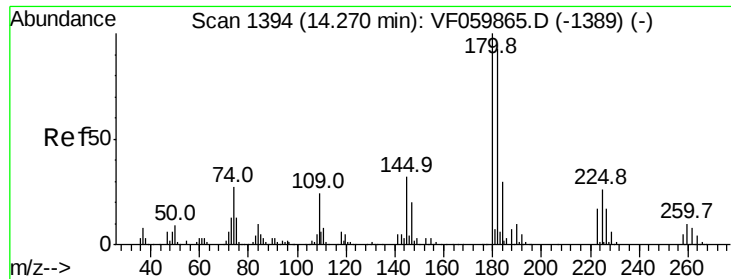
Ion Ratio Lower Upper

75 100

155 15.3 41.2 123.6#

157 1.4 54.5 163.6#

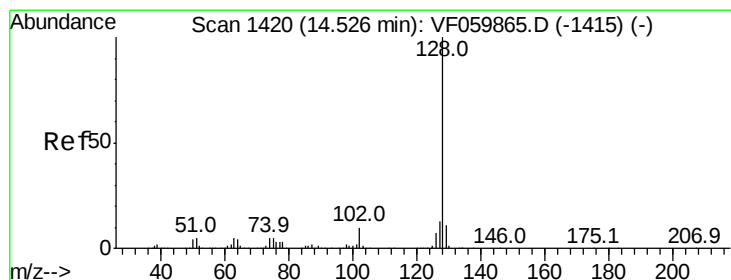
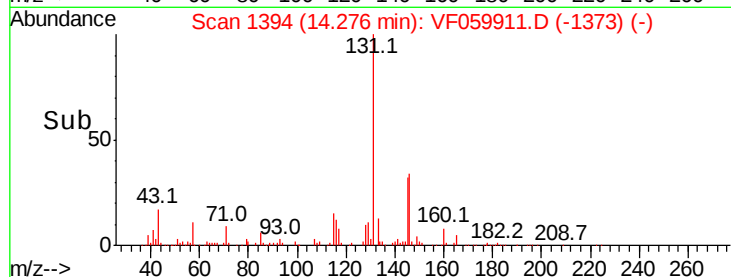
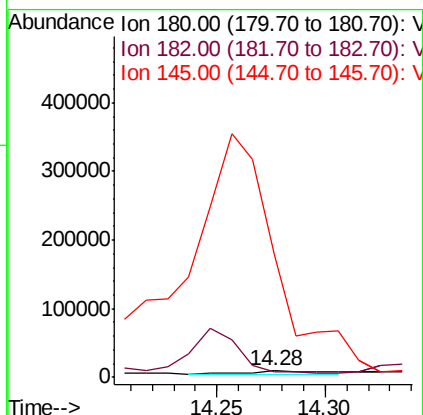
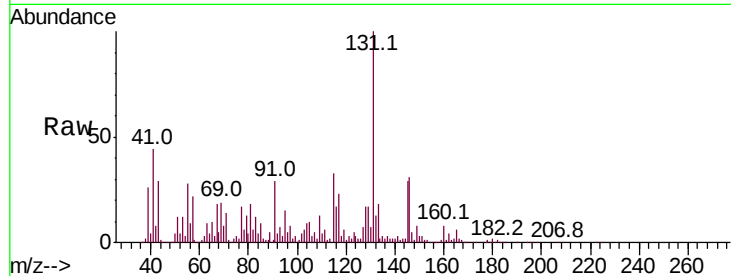




#93
 1,2,4-Trichlorobenzene
 Concen: 4.281 ug/l
 RT: 14.28 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: VF059911.D
 Acq: 7 Aug 2018 9:48

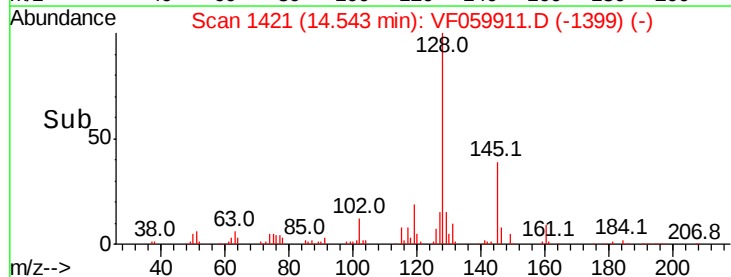
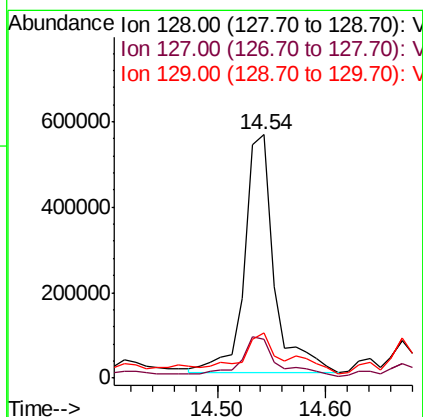
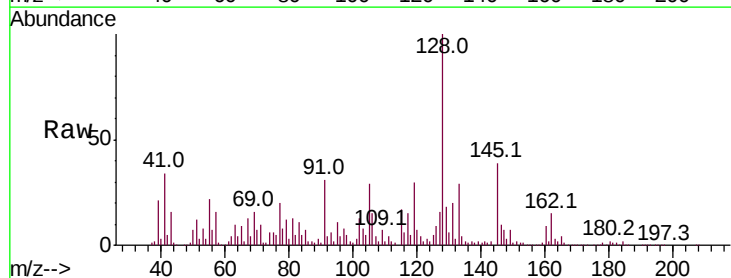
Instrument :
 MSVOA_F
 ClientSampleId :

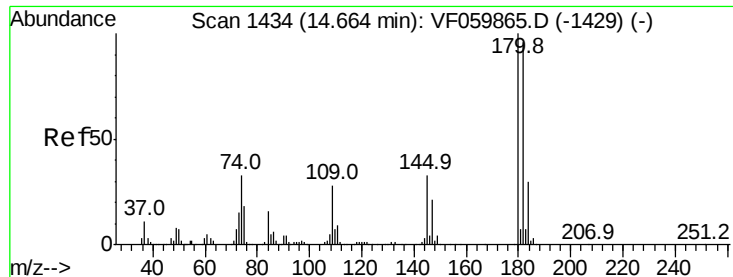
Tot Ion:180 Resp: 9401
 Ion Ratio Lower Upper
 180 100
 182 86.5 46.4 139.2
 145 1928.3 15.9 47.7#



#95
 Naphthalene
 Concen: 275.533 ug/l
 RT: 14.54 min Scan# 1421
 Delta R.T. 0.02 min
 Lab File: VF059911.D
 Acq: 7 Aug 2018 9:48

Tgt Ion:128 Resp: 1047512
 Ion Ratio Lower Upper
 128 100
 127 16.1 10.4 15.6#
 129 18.5 9.0 13.6#





#96
 1,2,3-Trichlorobenzene
 Concen: 5.332 ug/l
 RT: 14.68 min Scan# 1435
 Delta R.T. 0.02 min
 Lab File: VF059911.D
 Acq: 7 Aug 2018 9:48

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	30.6	48.1	144.3#
145	561.0	16.6	49.8#

