

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031519\
 Data File : VF061959.D
 Acq On : 15 Mar 2019 14:17
 Operator : VA/AP
 Sample : K1928-02
 Misc : 6.34g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-MW-7(10.5-11)

Quant Time: Mar 15 23:16:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	265602	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.63	114	333330	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.80	117	333525	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	183667	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.87	65	101269	52.36	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.72%	
35) Dibromofluoromethane	4.13	113	116909	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
50) Toluene-d8	7.59	98	561222	81.17	ug/l	0.03
Spiked Amount	50.000		Recovery	=	162.34%	
62) 4-Bromofluorobenzene	11.43	95	230064	84.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	169.88%	

Target Compounds

						Qvalue
3) Chloromethane	1.09	50	11691	3.699	ug/l #	80
11) Tert butyl alcohol	2.57	59	573	5.219	ug/l #	1
13) Acrolein	2.06	56	1041745	7488.612	ug/l #	19
14) Allyl chloride	2.05	41	5490790	2194.134	ug/l #	62
15) Acrylonitrile	2.95	53	118712	339.579	ug/l #	40
16) Acetone	2.24	43	2018696	4982.389	ug/l #	88
18) Methyl Acetate	2.39	43	3431921	877.420	ug/l #	62
20) Methylene Chloride	2.14	84	31643	9.829	ug/l #	21
24) 1,1-Dichloroethane	2.95	63	18968	4.875	ug/l #	21
25) 2-Butanone	4.46	43	726035	880.955	ug/l #	62
26) 2,2-Dichloropropane	3.63	77	4024	2.317	ug/l	82
28) Bromochloromethane	3.79	49	16100	9.493	ug/l #	2
29) Tetrahydrofuran	4.32	42	145825	410.279	ug/l #	33
30) Chloroform	3.81	83	117314	26.397	ug/l #	1
31) Cyclohexane	3.78	56	4524666	1110.267	ug/l #	79
37) Ethyl Acetate	4.05	43	2134582	1615.146	ug/l #	8
39) Methylcyclohexane	5.52	83	6782886	1823.823	ug/l	95
41) Methacrylonitrile	4.78	41	8548206	11805.404	ug/l #	45
43) Isopropyl Acetate	6.87	43	8989010	5517.794	ug/l #	42
45) 1,2-Dichloropropane	6.25	63	8721	4.456	ug/l #	1
46) Dibromomethane	6.01	93	4388	3.562	ug/l #	1
47) Bromodichloromethane	6.35	83	435528	160.051	ug/l #	30
48) Methyl methacrylate	6.64	41	2849548	2763.826	ug/l #	47
51) 4-Methyl-2-Pentanone	8.32	43	1148707	1020.231	ug/l #	42
52) Toluene	7.66	92	9045	1.858	ug/l #	43
55) 1,1,2-Trichloroethane	8.42	97	292596	208.575	ug/l #	22
56) Ethyl methacrylate	8.66	69	1716113	1085.470	ug/l #	85
58) 2-Chloroethyl Vinyl ether	7.34	63	4790	19.153	ug/l #	44
59) 2-Hexanone	9.56	43	63270	77.894	ug/l #	27
65) Chlorobenzene	9.78	112	14687	2.292	ug/l #	43
67) Ethyl Benzene	9.92	91	607729	57.222	ug/l	99
68) m/p-Xylenes	10.15	106	869291	213.658	ug/l	90
69) o-Xylene	10.73	106	183360	41.852	ug/l	97
73) Isopropylbenzene	11.14	105	395403	31.271	ug/l	97

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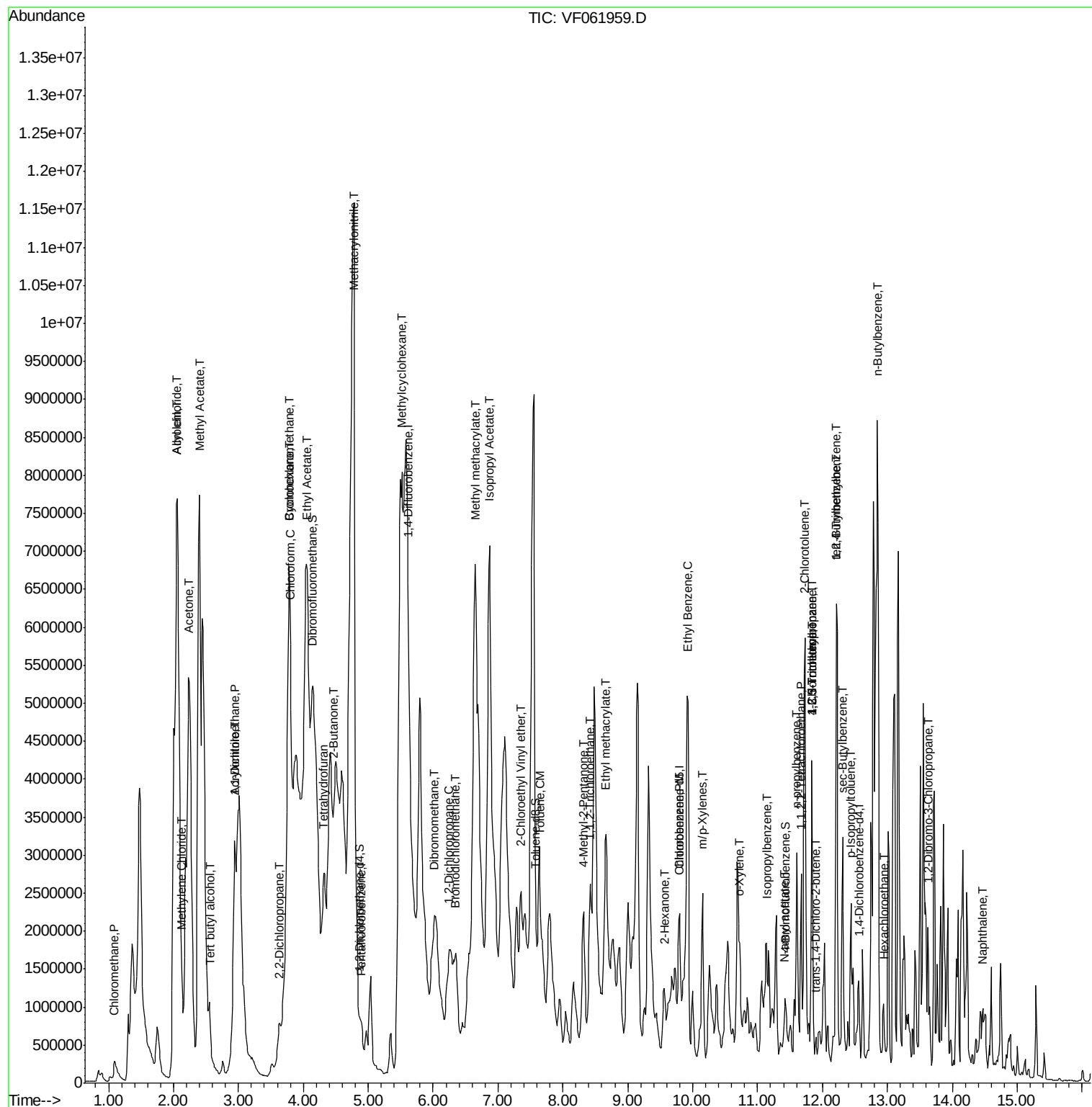
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) N-amyl acetate	11.41	43	54152	18.603	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.66	83	146151	69.544	ug/l #	1
76) 1,2,3-Trichloropropane	11.84	75	17912	12.488	ug/l #	1
78) n-propylbenzene	11.60	91	2291118	160.450	ug/l	92
79) 2-Chlorotoluene	11.73	91	598881	73.359	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.84	105	2056780	202.599	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.89	75	1566	2.388	ug/l #	1
82) 4-Chlorotoluene	11.84	91	213589	25.579	ug/l #	41
83) tert-Butylbenzene	12.22	119	469728	43.575	ug/l #	53
84) 1,2,4-Trimethylbenzene	12.21	105	3179077	319.441	ug/l	87
85) sec-Butylbenzene	12.31	105	1080490	77.024	ug/l #	43
86) p-Isopropyltoluene	12.44	119	1470994	123.362	ug/l	98
89) n-Butylbenzene	12.86	91	2392266	209.927	ug/l #	58
90) Hexachloroethane	12.94	117	40703	14.181	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.62	75	6243	19.586	ug/l #	1
95) Naphthalene	14.46	128	190481	27.865	ug/l #	81

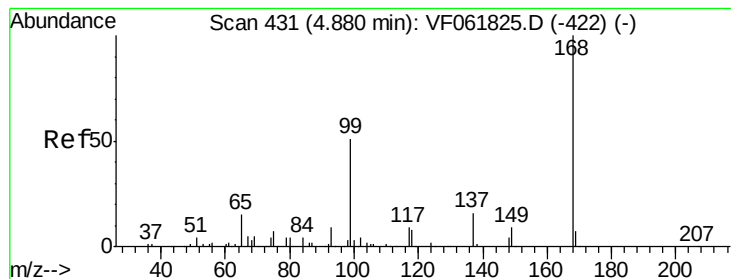
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. 0.02 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

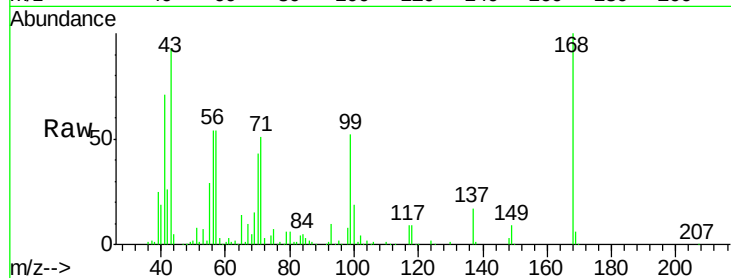
SB-MW-7(10.5-11)

Tot Ion:168 Resp: 265602

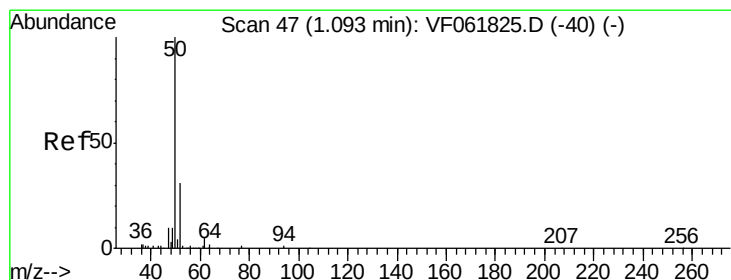
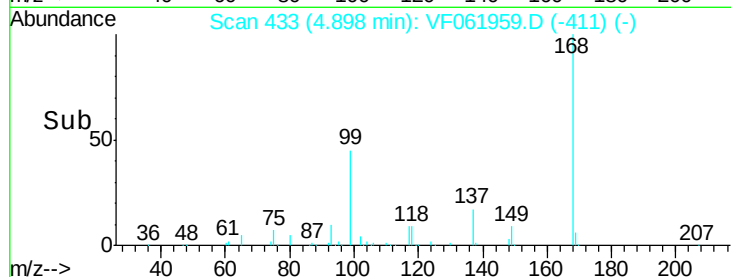
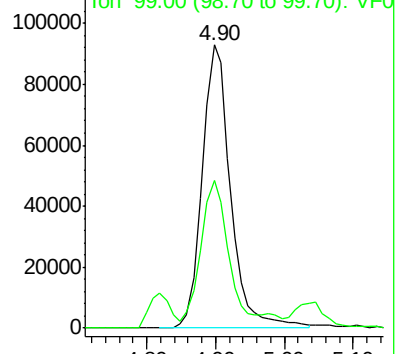
Ion Ratio Lower Upper

168 100

99 52.0 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0



#3

Chloromethane

Concen: 3.699 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061959.D

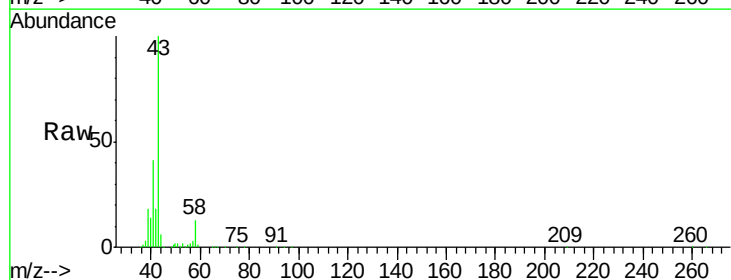
Acq: 15 Mar 2019 14:17

Tgt Ion: 50 Resp: 11691

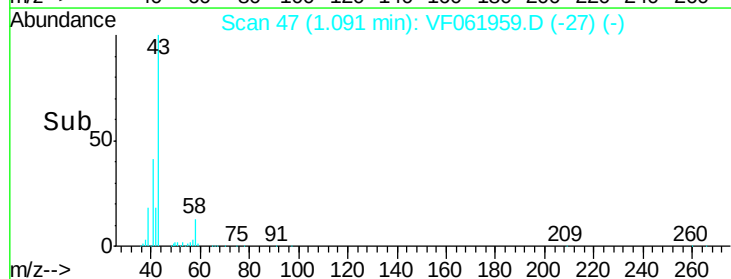
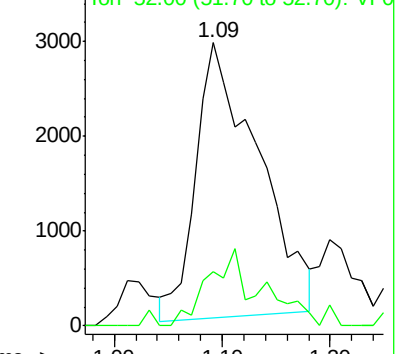
Ion Ratio Lower Upper

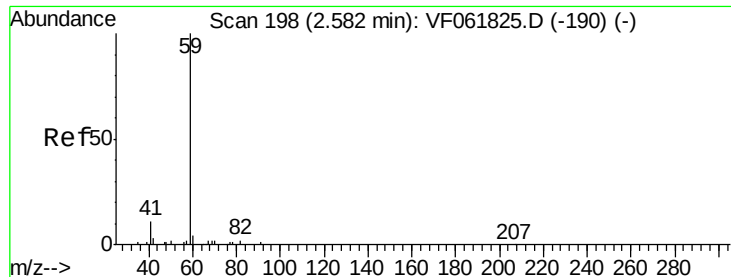
50 100

52 19.0 23.8 35.8#



Abundance Ion 50.00 (49.70 to 50.70): VF0



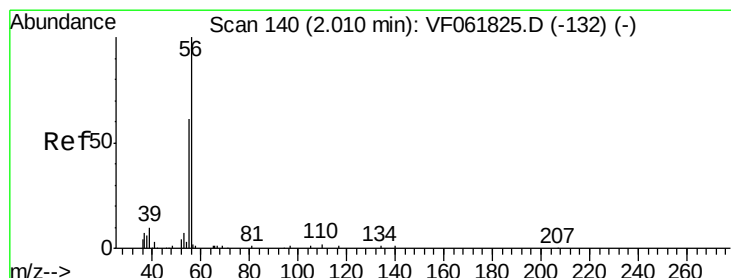
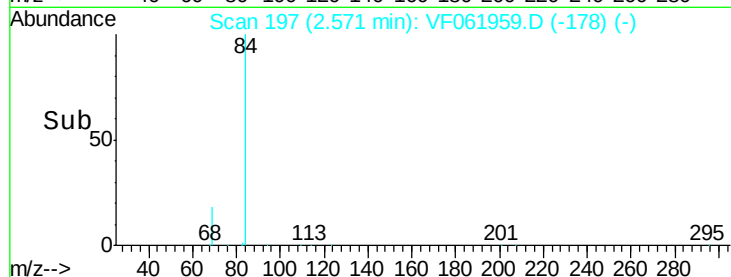
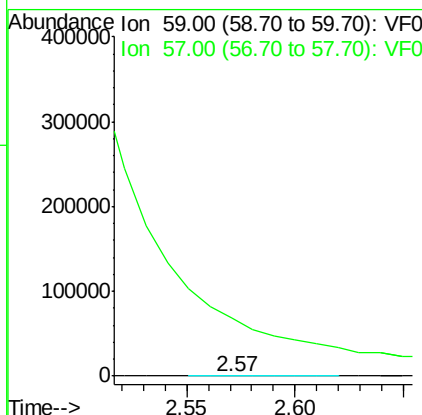
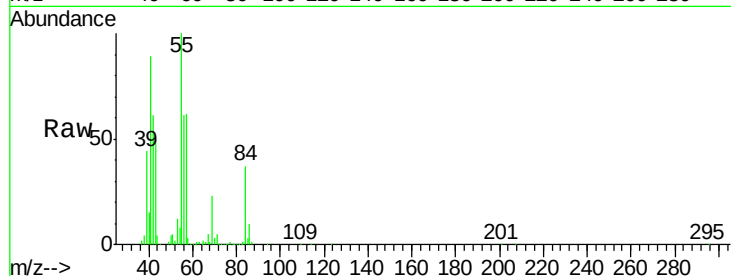


#11

Tert butyl alcohol
 Concen: 5.219 ug/l
 RT: 2.57 min Scan# 197
 Delta R.T. -0.01 min
 Lab File: VF061959.D
 Acq: 15 Mar 2019 14:17

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-MW-7(10.5-11)

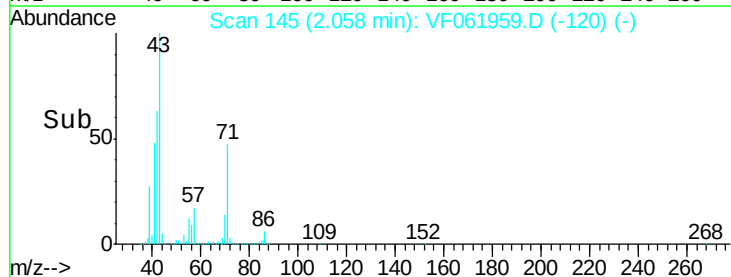
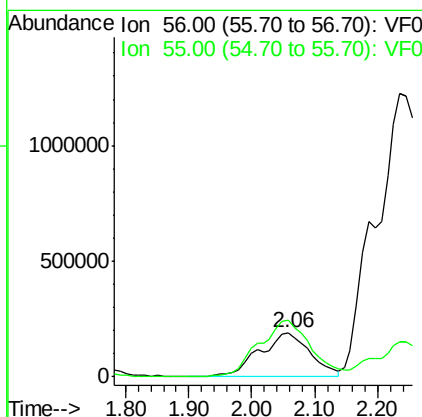
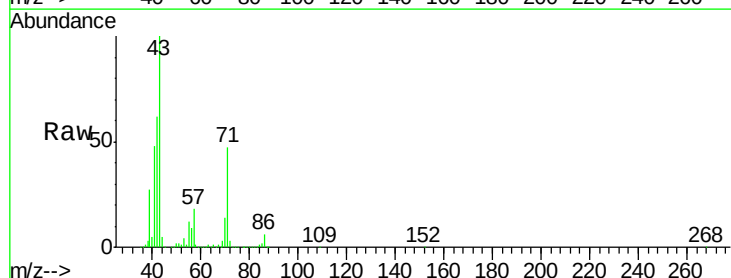
Tot Ion: 59 Resp: 573
 Ion Ratio Lower Upper
 59 100
 57 28094.7 11.8 17.6#

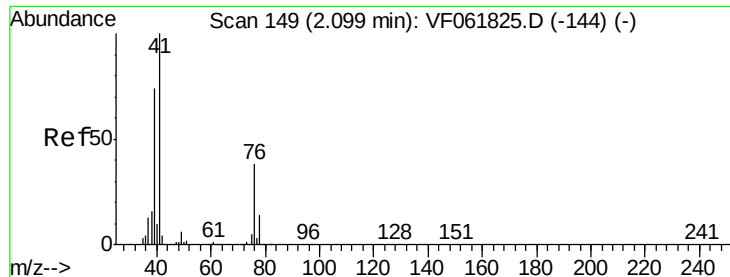


#13

Acrolein
 Concen: 7488.612 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. 0.05 min
 Lab File: VF061959.D
 Acq: 15 Mar 2019 14:17

Tgt Ion: 56 Resp: 1041745
 Ion Ratio Lower Upper
 56 100
 55 127.2 51.3 76.9#

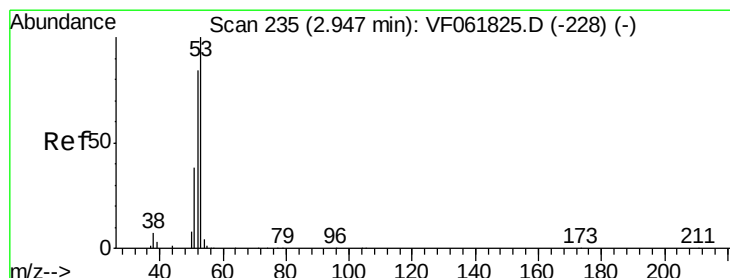
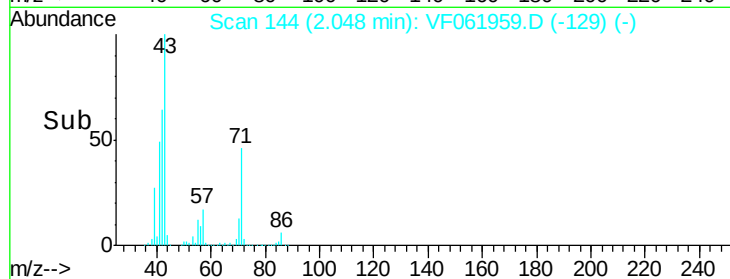
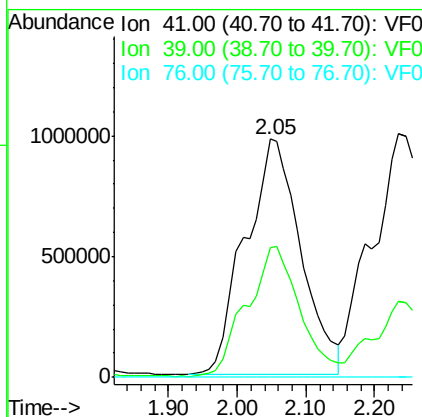
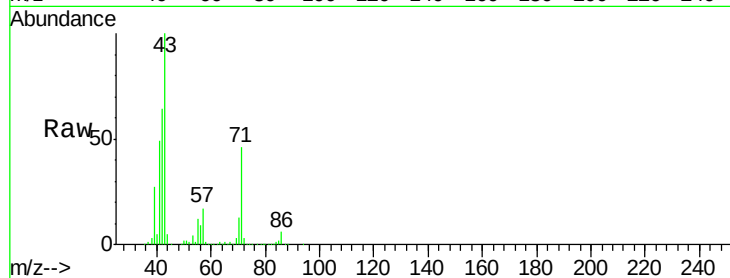




#14
Allvl chloride
Concen: 2194.134 ug/l
RT: 2.05 min Scan# 144
Delta R.T. -0.05 min
Lab File: VF061959.D
Acq: 15 Mar 2019 14:17

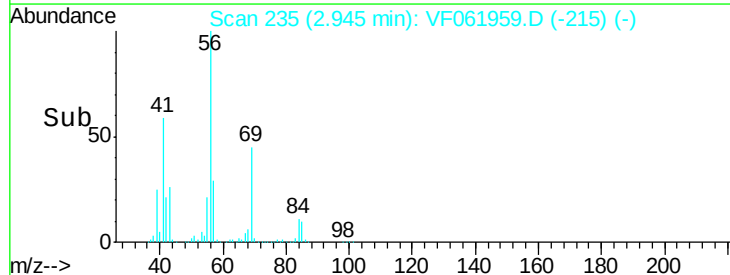
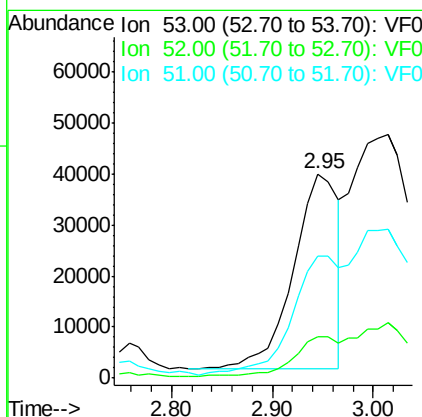
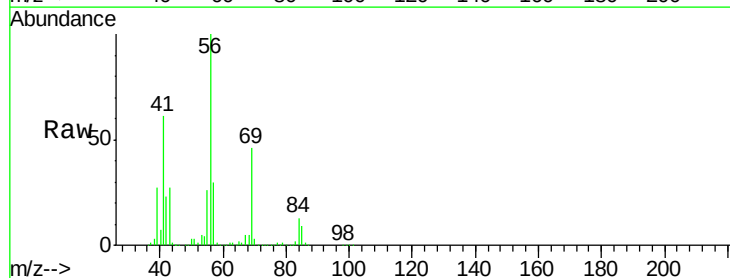
Instrument :
MSVOA_F
ClientSampleId :
SB-MW-7(10.5-11)

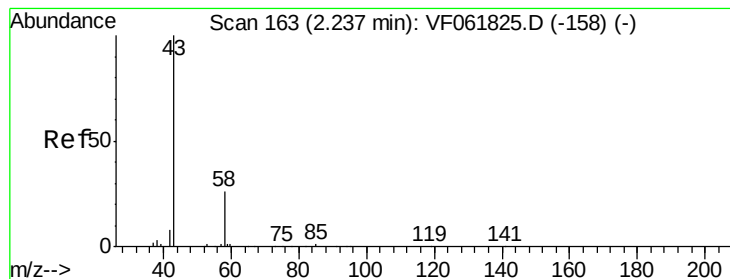
Tot Ion: 41 Resp: 5490790
Ion Ratio Lower Upper
41 100
39 54.5 59.6 89.4#
76 0.0 32.3 48.5#



#15
Acrylonitrile
Concen: 339.579 ug/l
RT: 2.95 min Scan# 235
Delta R.T. -0.00 min
Lab File: VF061959.D
Acq: 15 Mar 2019 14:17

Tgt Ion: 53 Resp: 118712
Ion Ratio Lower Upper
53 100
52 20.2 67.4 101.0#
51 60.1 30.7 46.1#





#16

Acetone

Concen: 4982.389 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

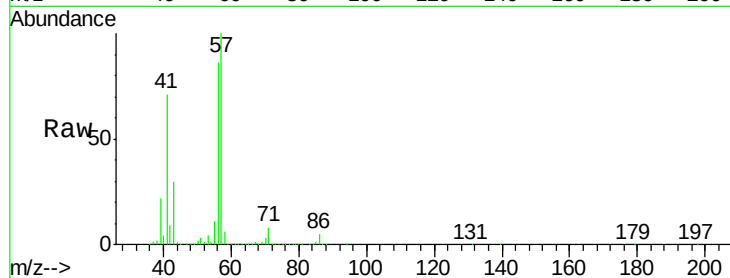
SB-MW-7(10.5-11)

Tot Ion: 43 Resp: 2018696

Ion Ratio Lower Upper

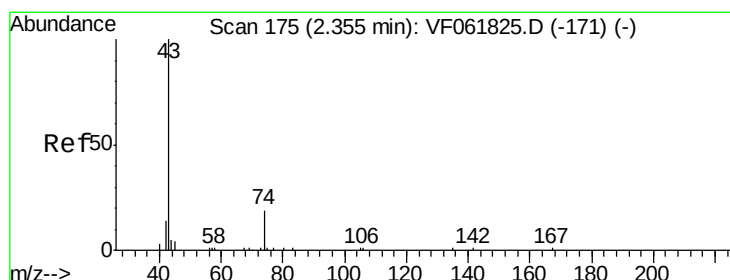
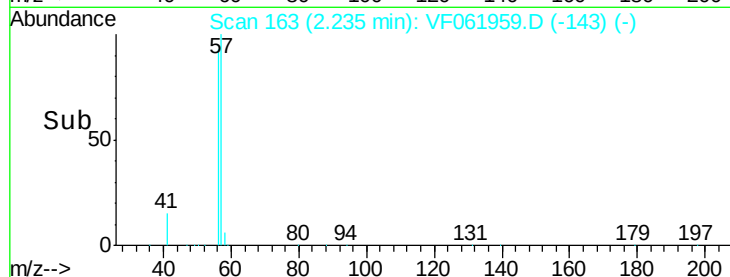
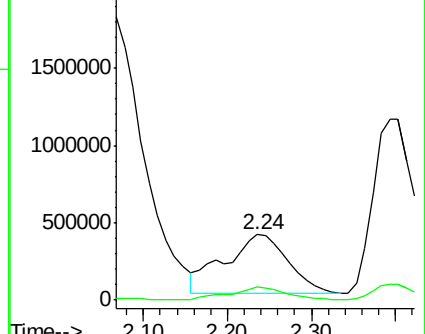
43 100

58 19.5 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: 877.420 ug/l

RT: 2.39 min Scan# 179

Delta R.T. 0.04 min

Lab File: VF061959.D

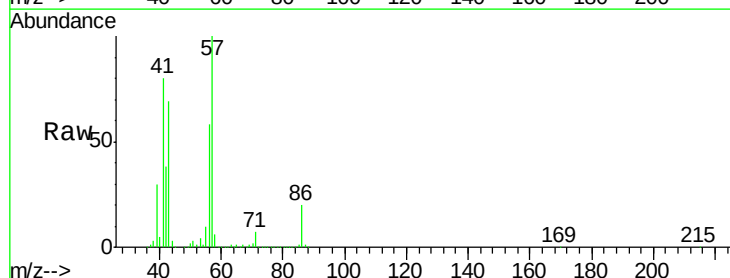
Acq: 15 Mar 2019 14:17

Tgt Ion: 43 Resp: 3431921

Ion Ratio Lower Upper

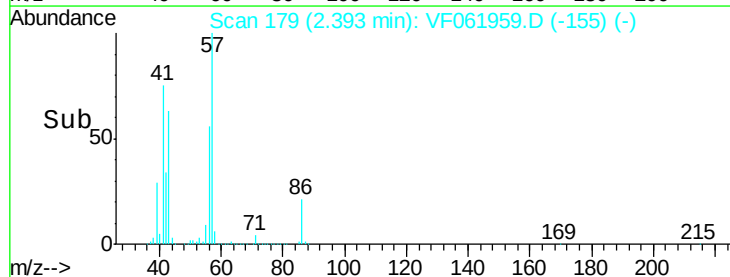
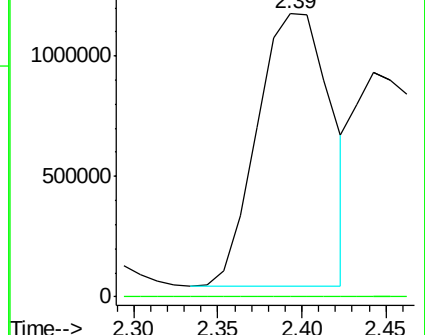
43 100

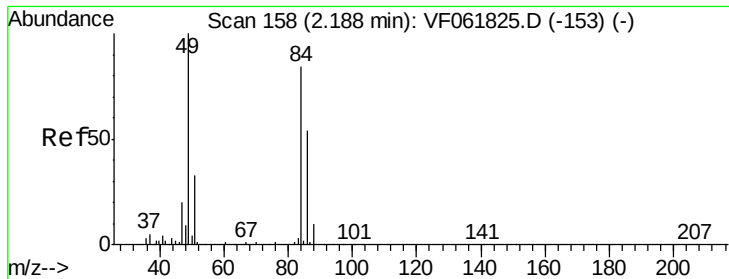
74 0.2 13.2 19.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

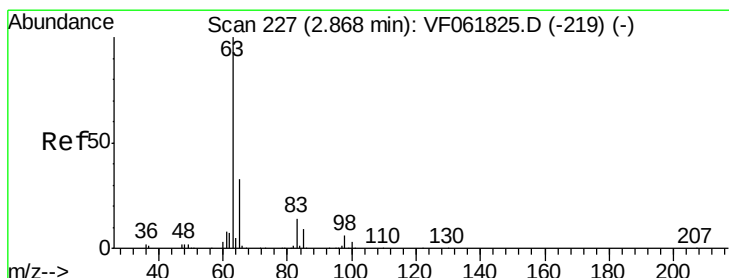
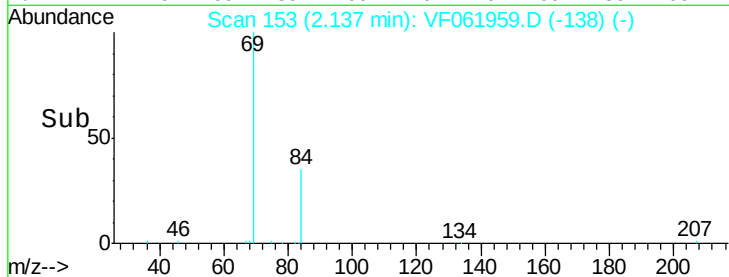
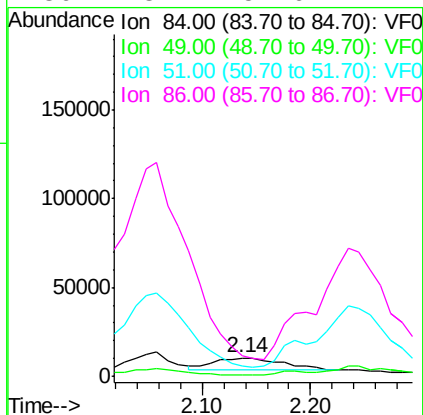
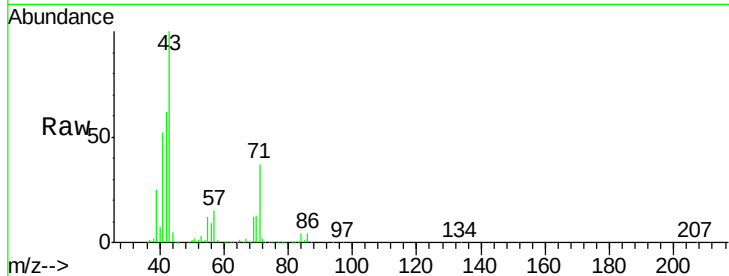




#20
Methylene Chloride
Concen: 9.829 ug/l
RT: 2.14 min Scan# 153
Delta R.T. -0.05 min
Lab File: VF061959.D
Acq: 15 Mar 2019 14:17

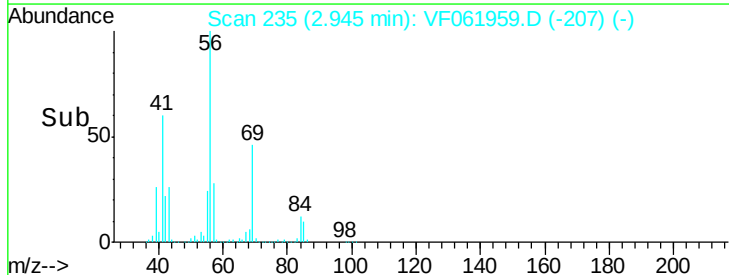
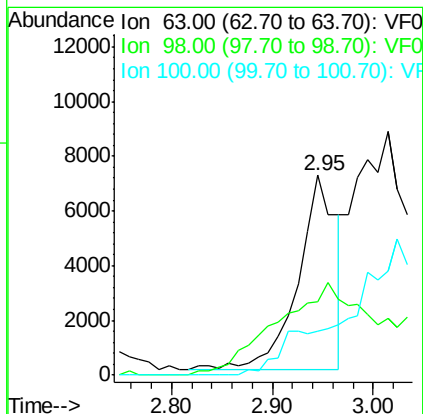
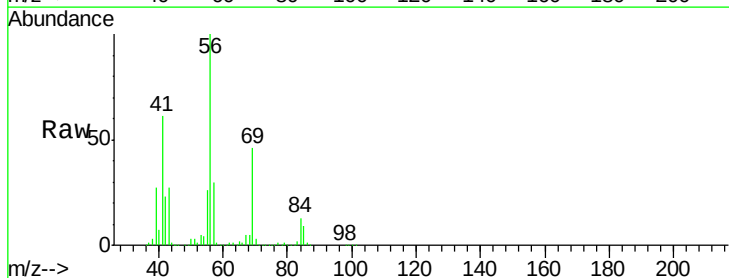
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SB-MW-7(10.5-11)

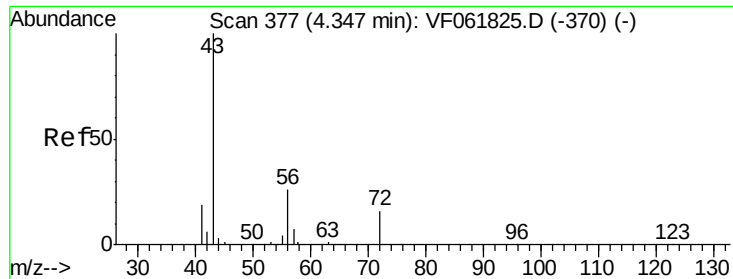
Tot Ion: 84 Resp: 31643
Ion Ratio Lower Upper
84 100
49 5.1 96.8 145.2#
51 59.4 31.8 47.6#
86 113.7 51.6 77.4#



#24
1,1-Dichloroethane
Concen: 4.875 ug/l
RT: 2.95 min Scan# 235
Delta R.T. 0.08 min
Lab File: VF061959.D
Acq: 15 Mar 2019 14:17

Tgt Ion: 63 Resp: 18968
Ion Ratio Lower Upper
63 100
98 36.7 2.9 8.6#
100 21.9 1.8 5.3#





#25

2-Butanone

Concen: 880.955 ug/l

RT: 4.46 min Scan# 389

Delta R.T. 0.12 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

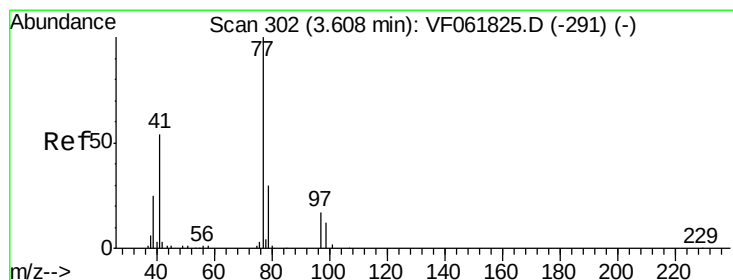
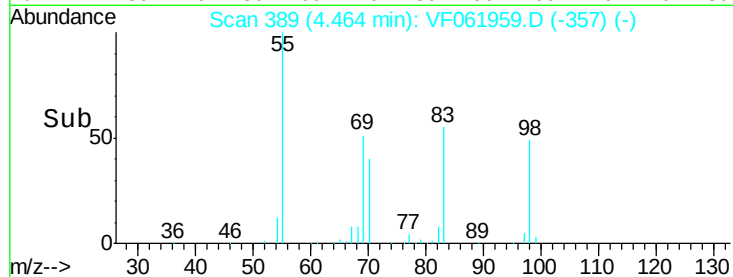
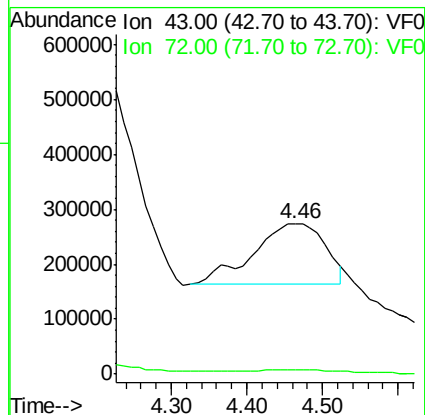
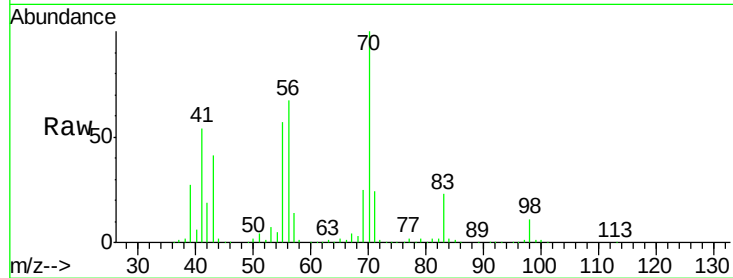
SB-MW-7(10.5-11)

Tot Ion: 43 Resp: 726035

Ion Ratio Lower Upper

43 100

72 2.9 16.2 24.4#



#26

2,2-Dichloropropane

Concen: 2.317 ug/l

RT: 3.63 min Scan# 304

Delta R.T. 0.02 min

Lab File: VF061959.D

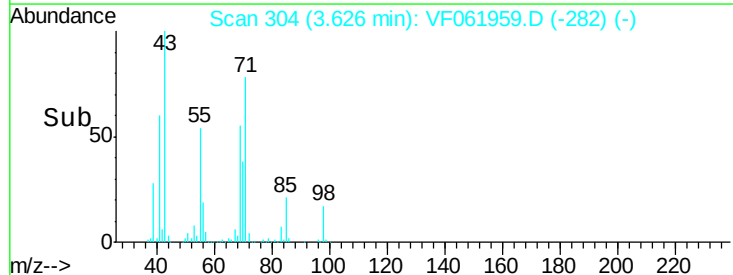
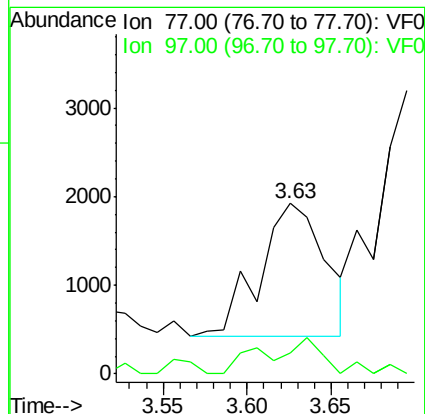
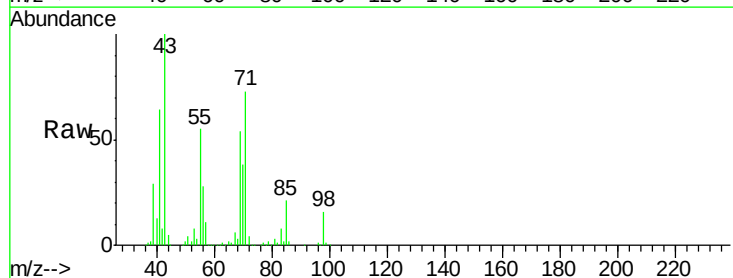
Acq: 15 Mar 2019 14:17

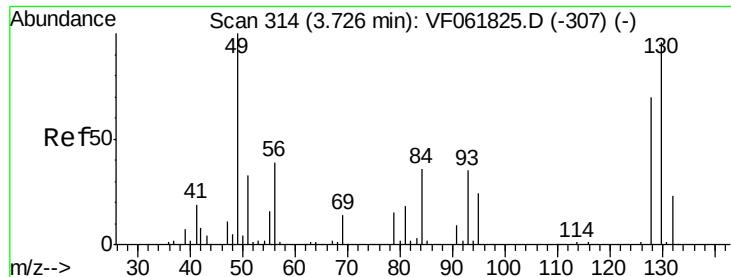
Tgt Ion: 77 Resp: 4024

Ion Ratio Lower Upper

77 100

97 12.6 10.4 31.4





#28

Bromochloromethane

Concen: 9.493 ug/l

RT: 3.79 min Scan# 321

Delta R.T. 0.07 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

SB-MW-7(10.5-11)

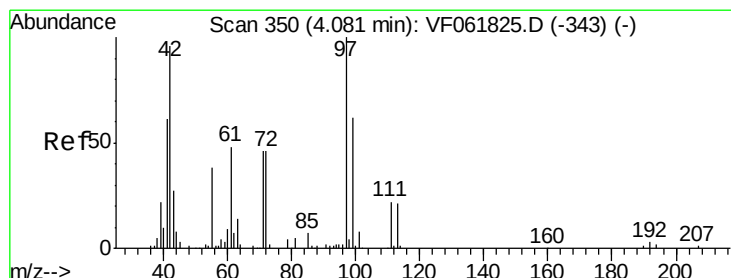
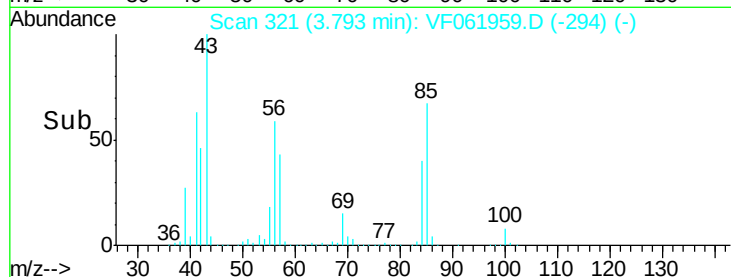
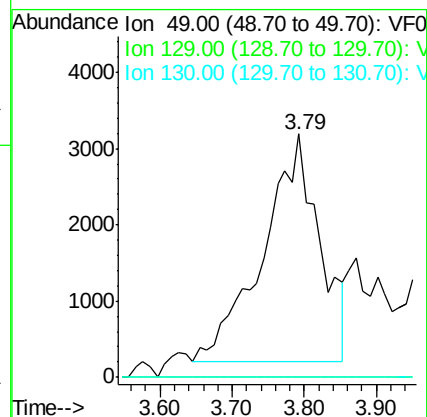
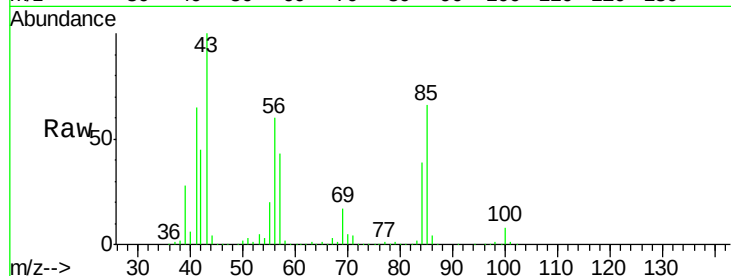
Tot Ion: 49 Resp: 16100

Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.0

130 0.0 76.9 115.3#



#29

Tetrahydrofuran

Concen: 410.279 ug/l

RT: 4.32 min Scan# 374

Delta R.T. 0.23 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

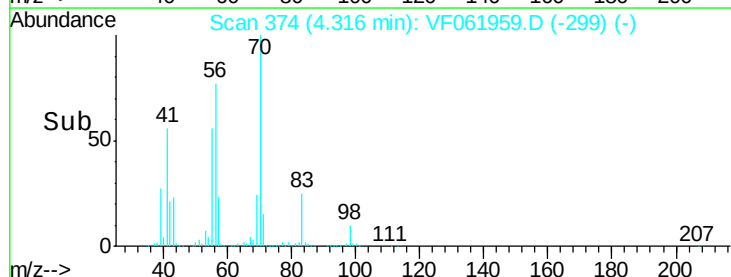
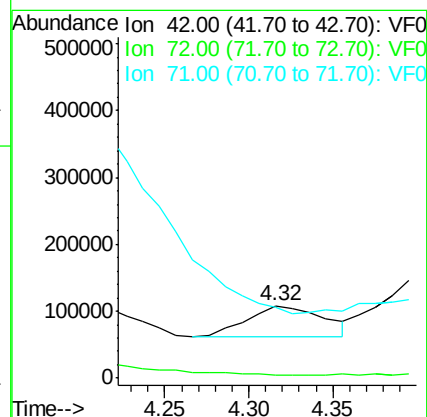
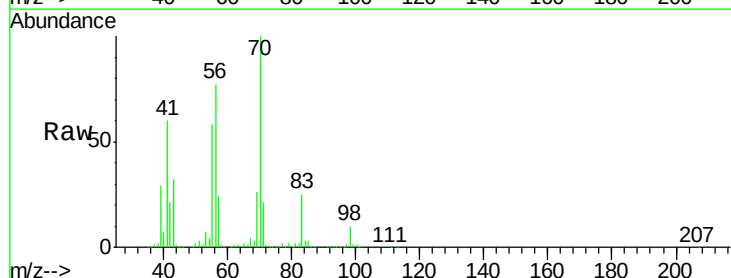
Tgt Ion: 42 Resp: 145825

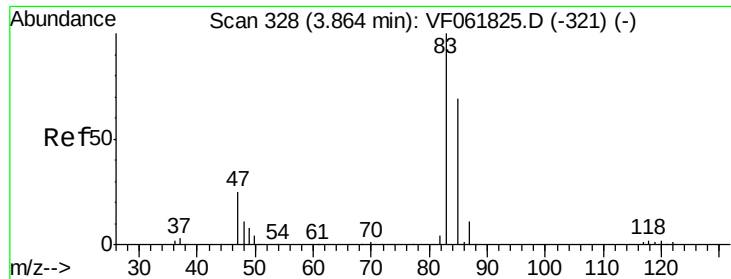
Ion Ratio Lower Upper

42 100

72 0.0 34.4 51.6#

71 0.0 34.6 52.0#

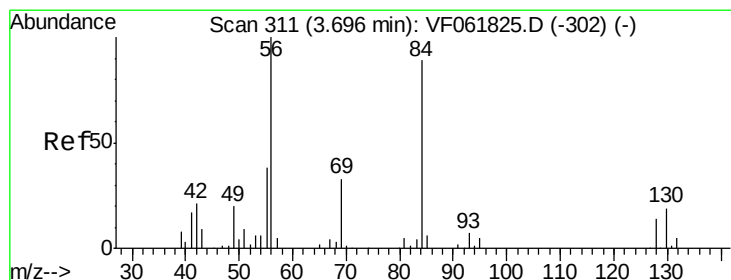
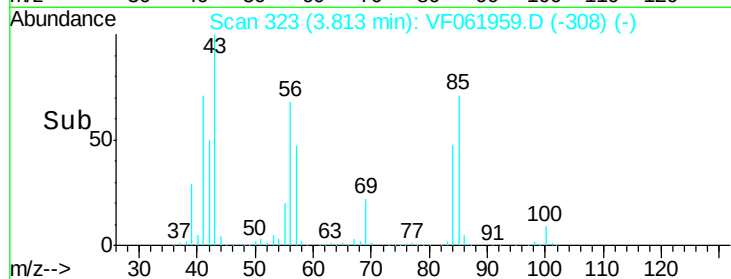
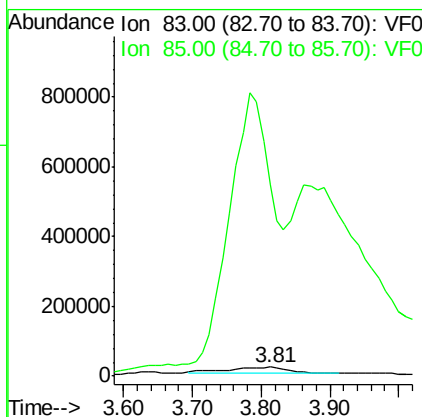
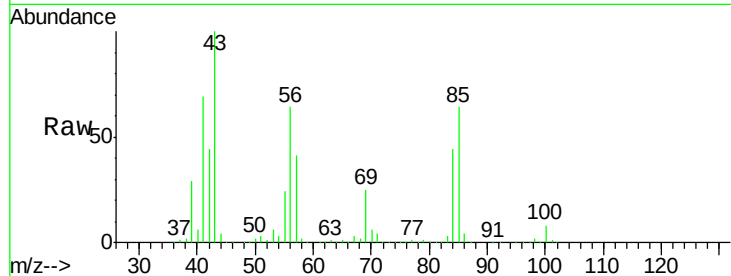




#30
Chloroform
Concen: 26.397 ug/l
RT: 3.81 min Scan# 323
Delta R.T. -0.05 min
Lab File: VF061959.D
Acq: 15 Mar 2019 14:17

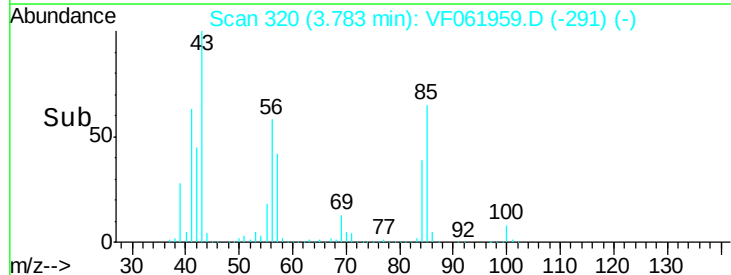
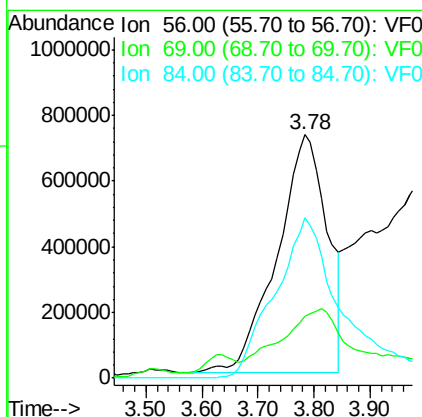
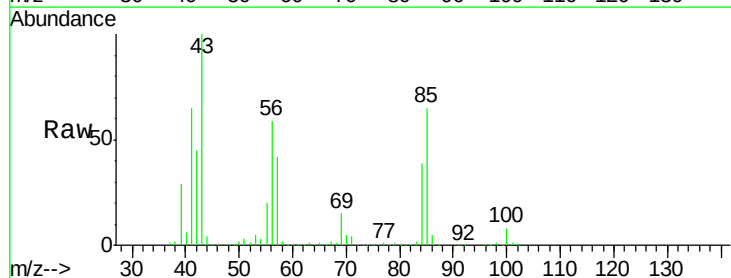
Instrument :
MSVOA_F
ClientSampleId :
SB-MW-7(10.5-11)

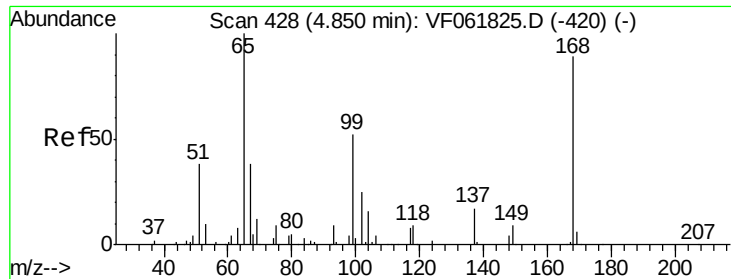
Tot Ion: 83 Resp: 117314
Ion Ratio Lower Upper
83 100
85 2060.5 55.3 82.9#



#31
Cyclohexane
Concen: 1110.267 ug/l
RT: 3.78 min Scan# 320
Delta R.T. 0.09 min
Lab File: VF061959.D
Acq: 15 Mar 2019 14:17

Tgt Ion: 56 Resp: 4524666
Ion Ratio Lower Upper
56 100
69 25.6 26.0 39.0#
84 65.7 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 52.356 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.02 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

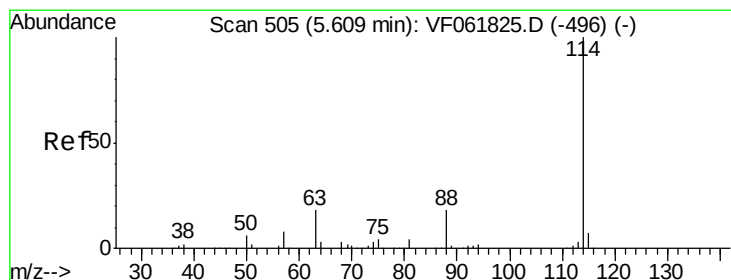
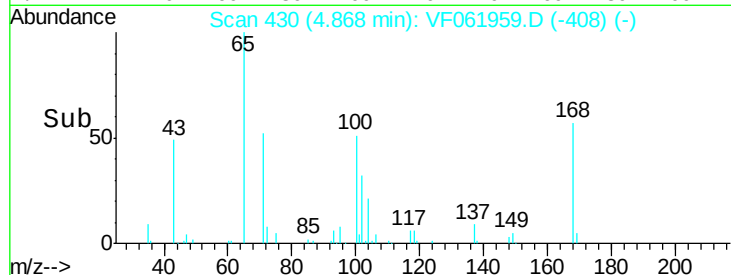
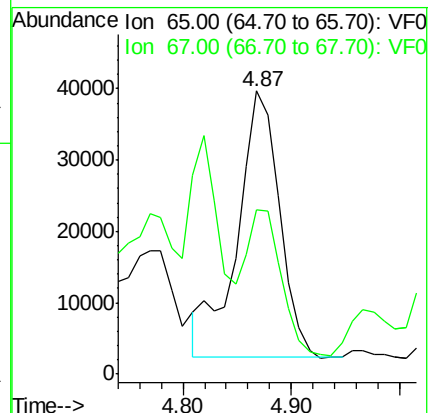
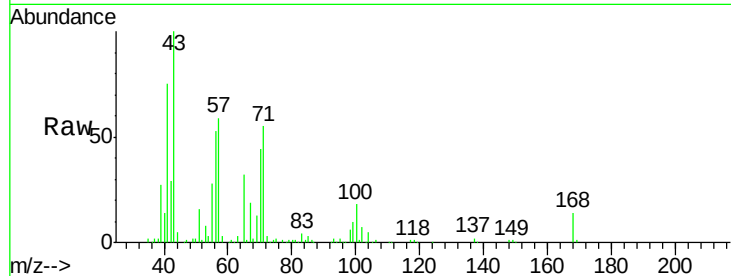
SB-MW-7(10.5-11)

Tot Ion: 65 Resp: 101269

Ion Ratio Lower Upper

65 100

67 58.1 0.0 108.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 507

Delta R.T. 0.02 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

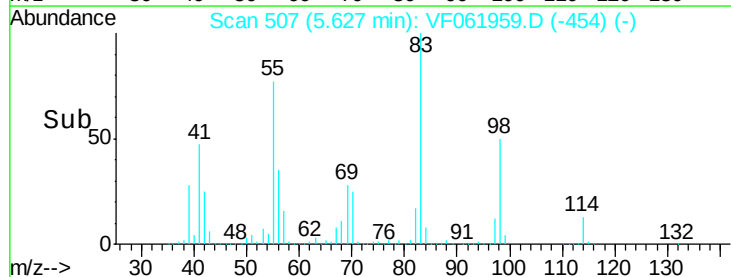
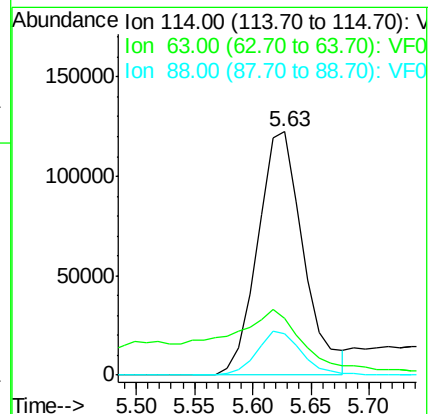
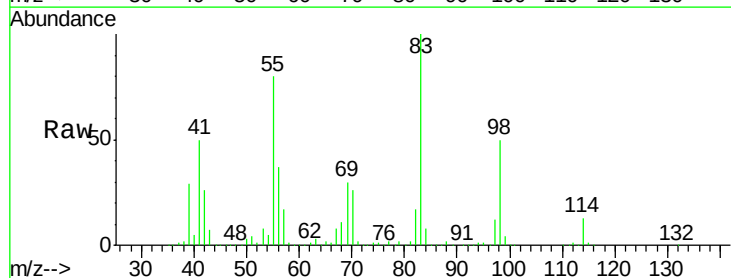
Tgt Ion: 114 Resp: 333330

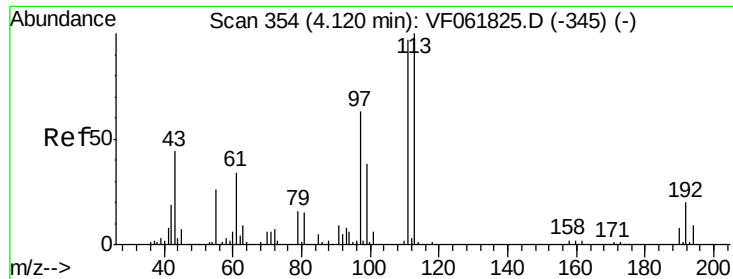
Ion Ratio Lower Upper

114 100

63 23.3 0.0 35.6

88 17.1 0.0 35.6





#35

Dibromofluoromethane

Concen: 50.257 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.01 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

SB-MW-7(10.5-11)

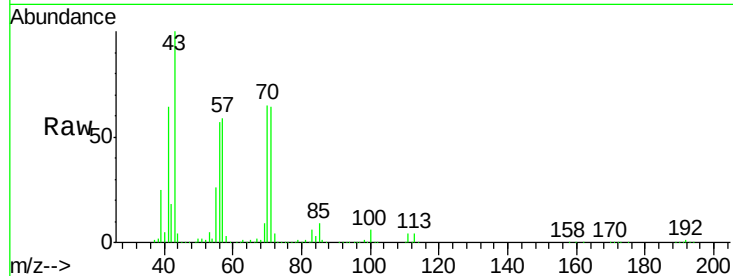
Tot Ion:113 Resp: 116909

Ion Ratio Lower Upper

113 100

111 102.8 77.6 116.4

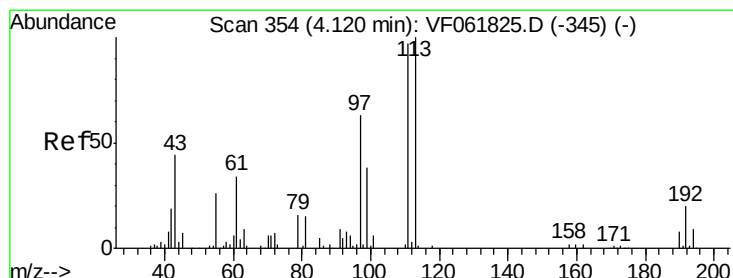
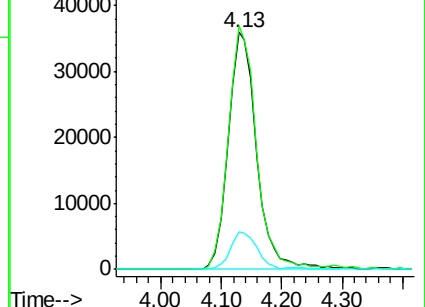
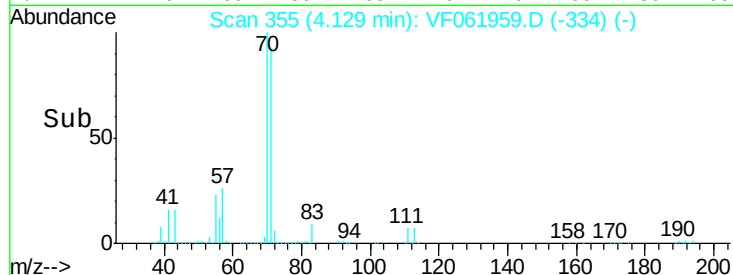
192 16.0 15.9 23.9



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#37

Ethyl Acetate

Concen: 1615.146 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.07 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

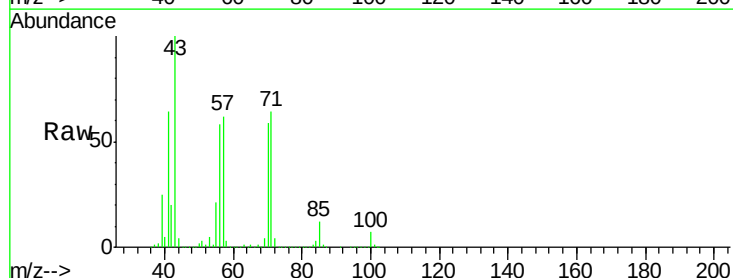
Tgt Ion: 43 Resp: 2134582

Ion Ratio Lower Upper

43 100

61 0.1 60.7 91.1#

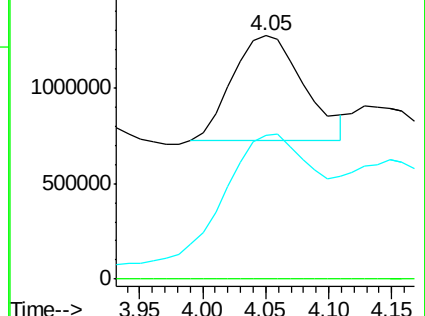
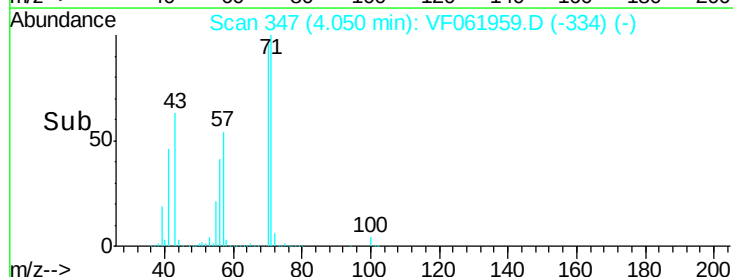
70 59.0 10.6 15.8#

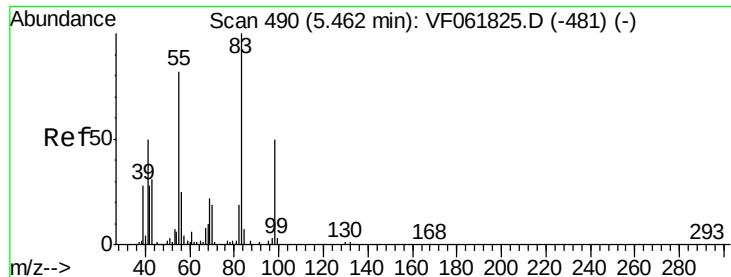


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#39

Methylcyclohexane

Concen: 1823.823 ug/l

RT: 5.52 min Scan# 496

Delta R.T. 0.06 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Instrument :

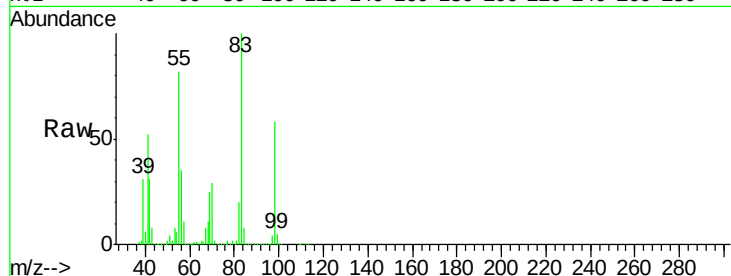
MSVOA_F

ClientSampleId :

SB-MW-7(10.5-11)

Tot Ion: 83 Resp: 6782886

Ion	Ratio	Lower	Upper
83	100		
55	81.7	66.0	99.0
98	57.5	39.8	59.6

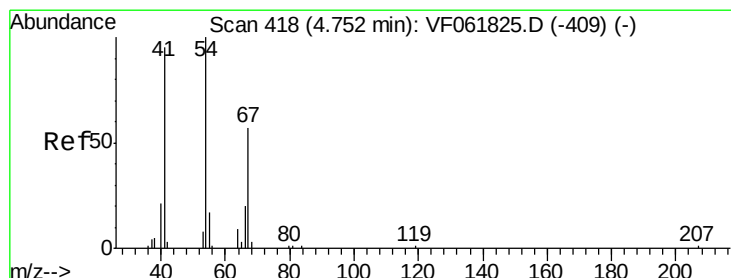
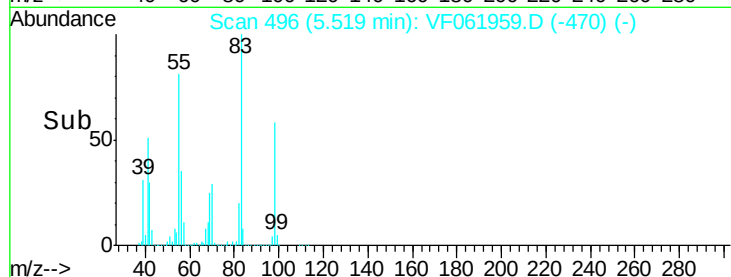
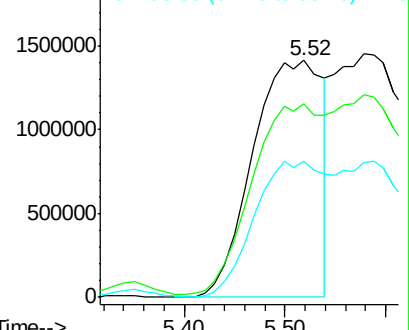


Abundance

Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#41

Methacrylonitrile

Concen: 11805.404 ug/l

RT: 4.78 min Scan# 421

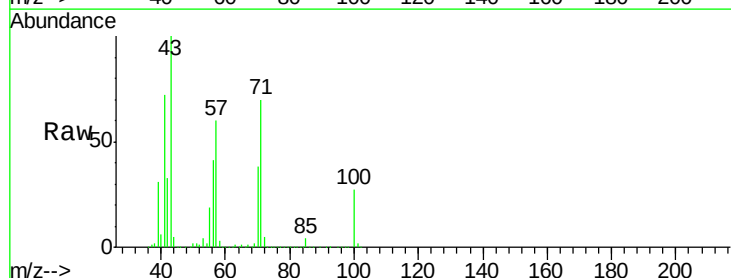
Delta R.T. 0.03 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Tgt Ion: 41 Resp: 8548206

Ion	Ratio	Lower	Upper
41	100		
39	43.6	43.0	64.6
67	1.4	47.8	71.8#
52	1.3	40.5	60.7#



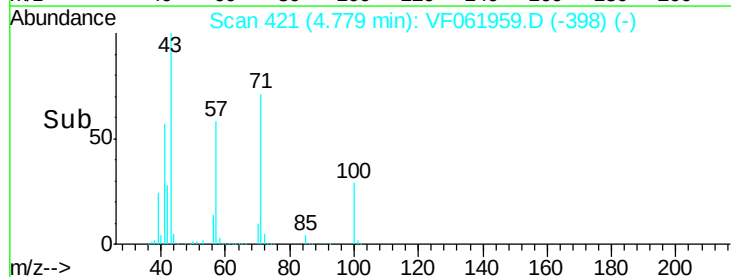
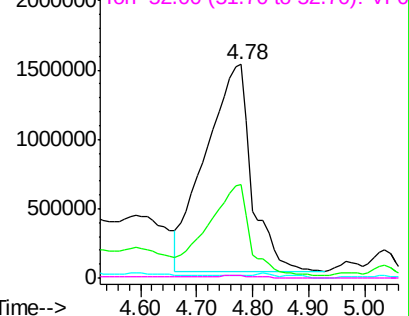
Abundance

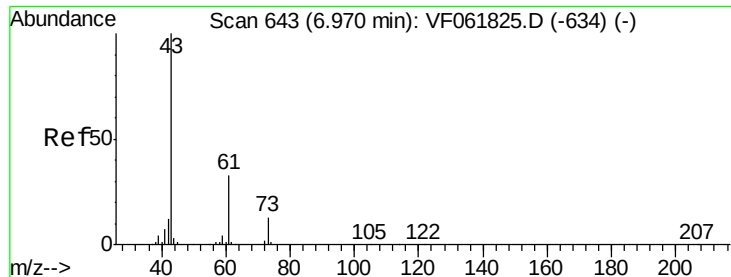
Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#43

Isopropyl Acetate

Concen: 5517.794 ug/l

RT: 6.87 min Scan# 633

Delta R.T. -0.10 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

SB-MW-7(10.5-11)

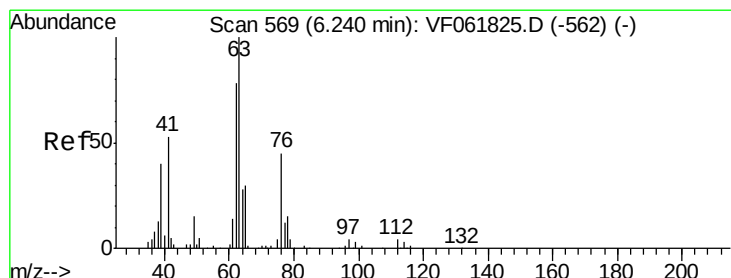
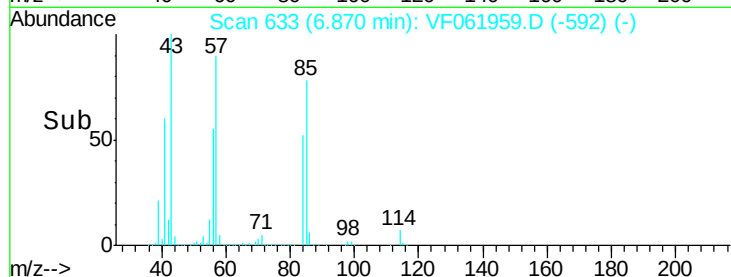
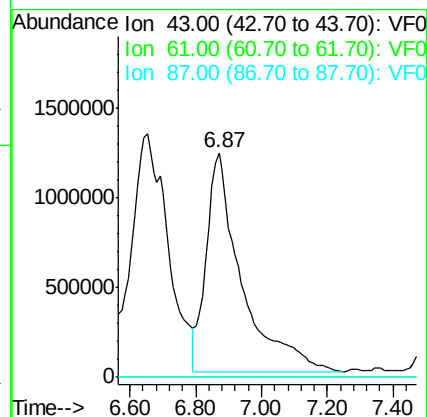
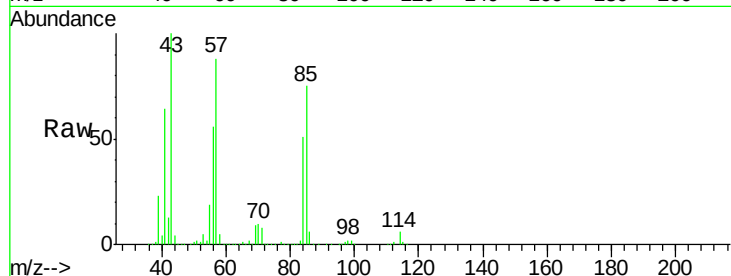
Tot Ion: 43 Resp: 8989010

Ion Ratio Lower Upper

43 100

61 0.1 26.1 39.1#

87 0.2 0.0 0.0#



#45

1,2-Dichloropropane

Concen: 4.456 ug/l

RT: 6.25 min Scan# 570

Delta R.T. 0.01 min

Lab File: VF061959.D

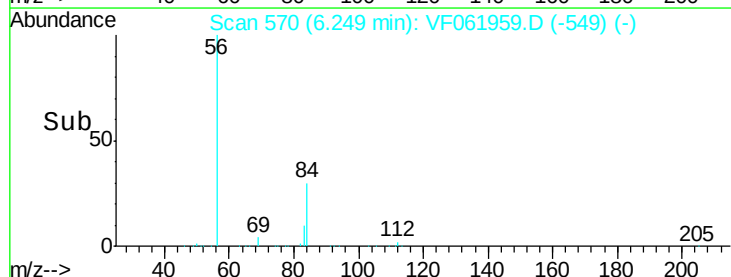
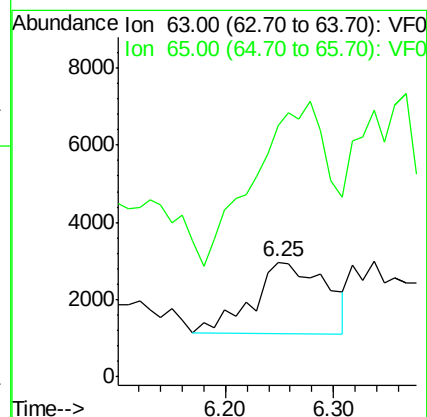
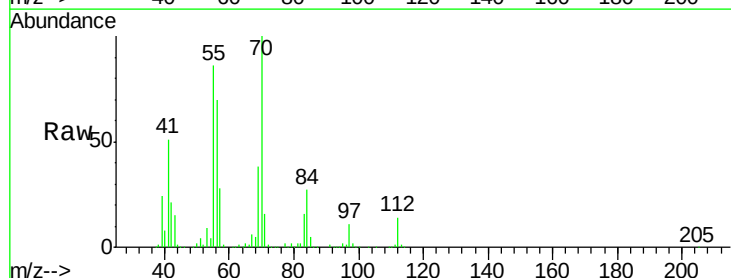
Acq: 15 Mar 2019 14:17

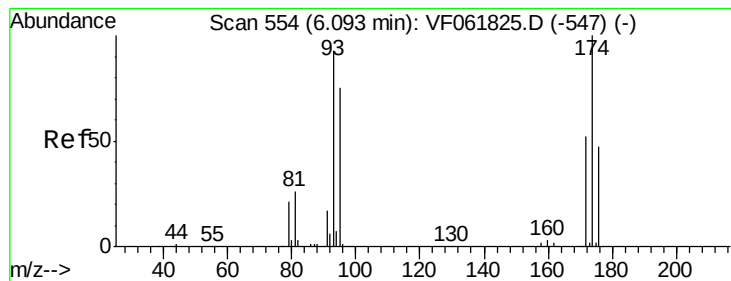
Tgt Ion: 63 Resp: 8721

Ion Ratio Lower Upper

63 100

65 219.2 24.0 36.0#





#46

Dibromomethane

Concen: 3.562 ug/l

RT: 6.01 min Scan# 546

Delta R.T. -0.08 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

SB-MW-7(10.5-11)

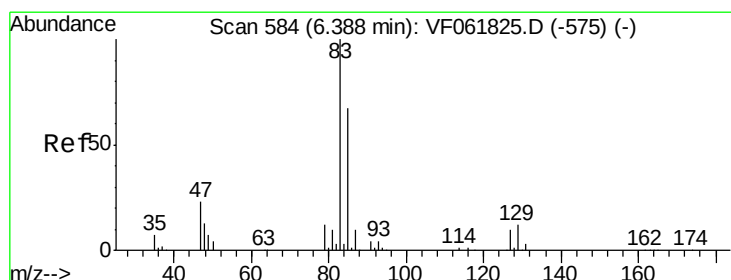
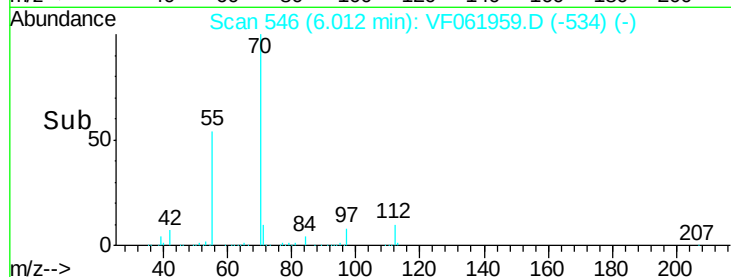
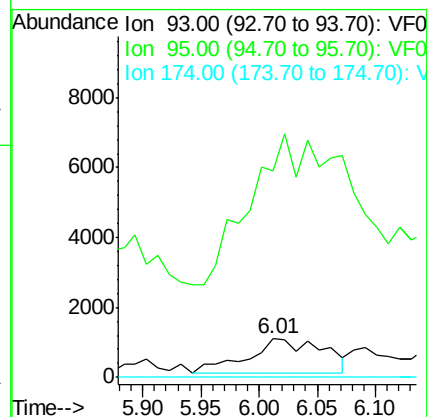
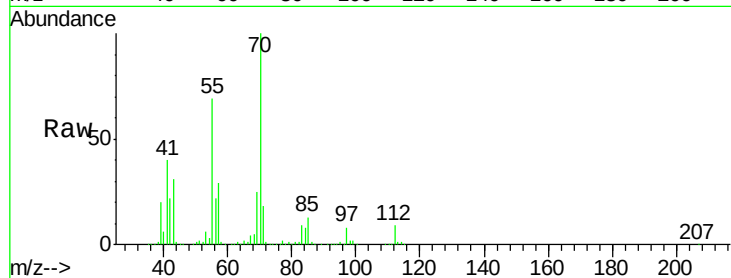
Tot Ion: 93 Resp: 4388

Ion Ratio Lower Upper

93 100

95 535.9 64.4 96.6#

174 0.0 85.8 128.6#



#47

Bromodichloromethane

Concen: 160.051 ug/l

RT: 6.35 min Scan# 580

Delta R.T. -0.04 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

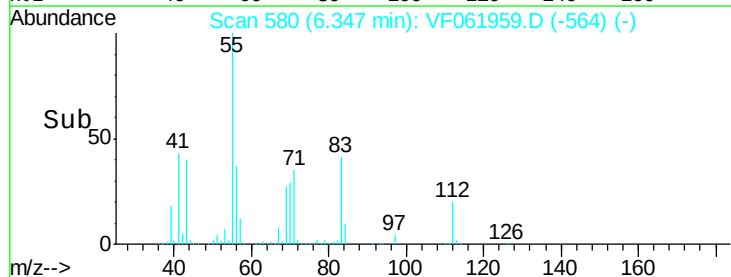
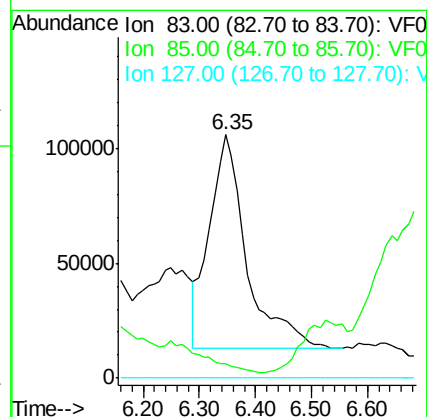
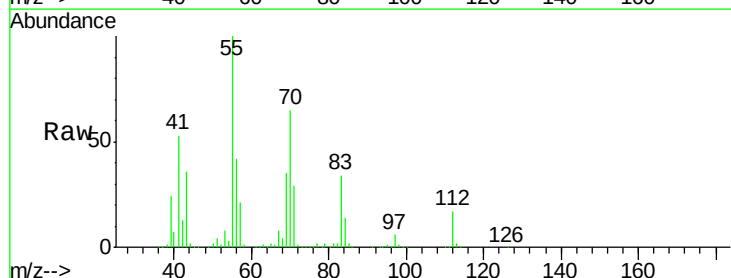
Tgt Ion: 83 Resp: 435528

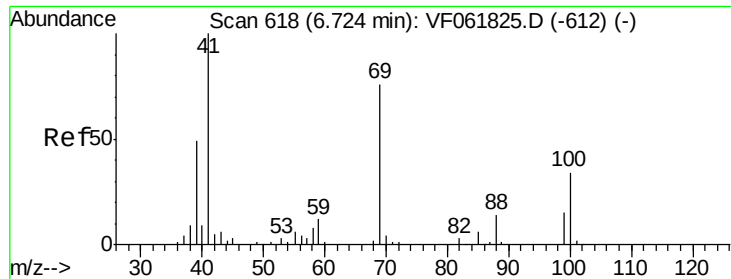
Ion Ratio Lower Upper

83 100

85 5.9 53.6 80.4#

127 0.0 8.1 12.1#

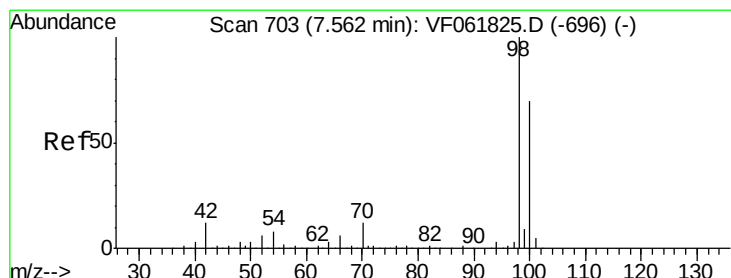
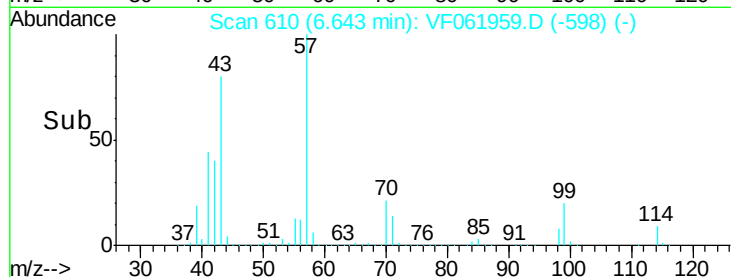
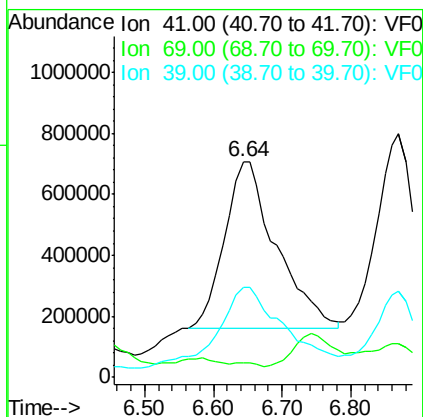
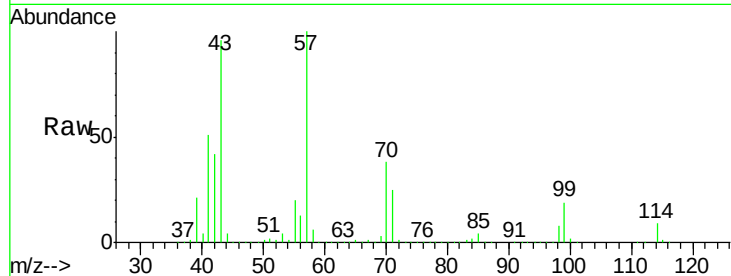




#48
Methyl methacrylate
Concen: 2763.826 ug/l
RT: 6.64 min Scan# 610
Delta R.T. -0.08 min
Lab File: VF061959.D
Acq: 15 Mar 2019 14:17

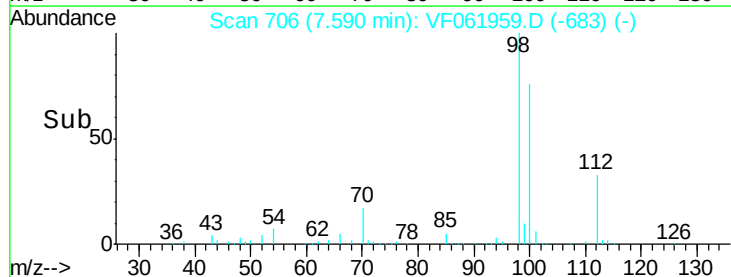
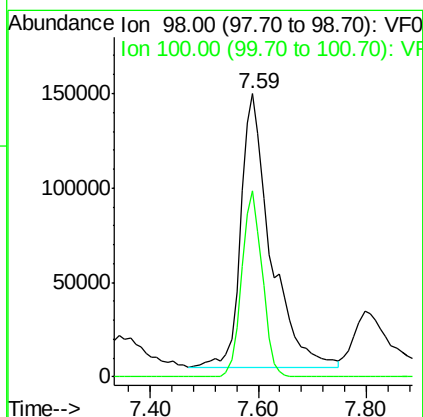
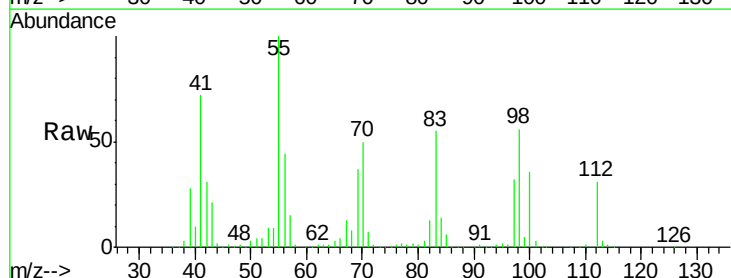
Instrument :
MSVOA_F
ClientSampleId :
SB-MW-7(10.5-11)

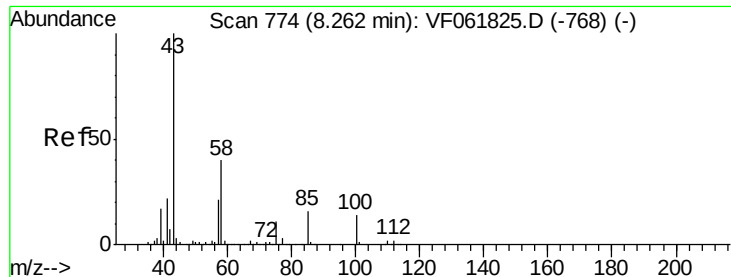
Tot Ion: 41 Resp: 2849548
Ion Ratio Lower Upper
41 100
69 6.7 60.4 90.6#
39 41.8 39.7 59.5



#50
Toluene-d8
Concen: 81.170 ug/l
RT: 7.59 min Scan# 706
Delta R.T. 0.03 min
Lab File: VF061959.D
Acq: 15 Mar 2019 14:17

Tgt Ion: 98 Resp: 561222
Ion Ratio Lower Upper
98 100
100 65.5 56.0 84.0





#51

4-Methyl-2-Pentanone

Concen: 1020.231 ug/l

RT: 8.32 min Scan# 780

Delta R.T. 0.06 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

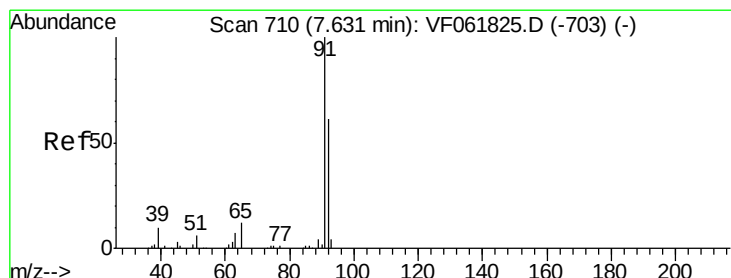
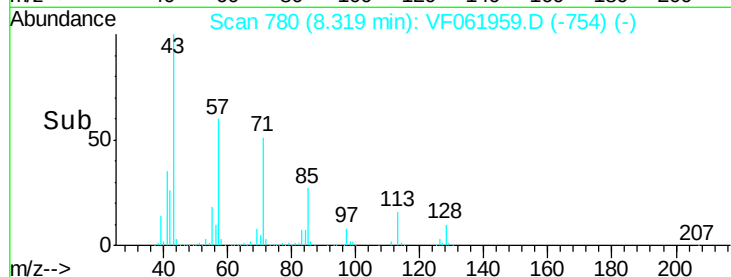
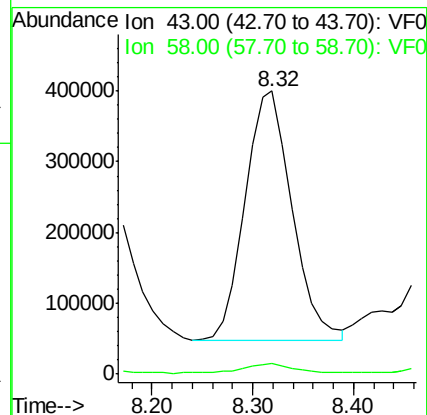
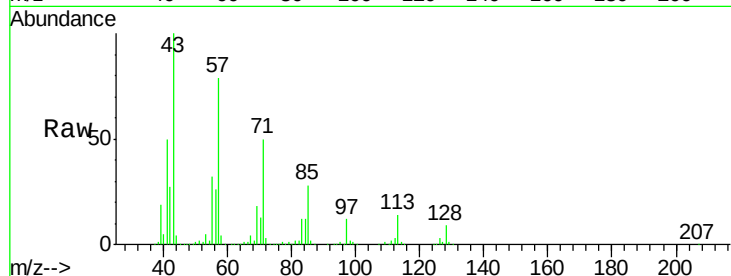
SB-MW-7(10.5-11)

Tot Ion: 43 Resp: 1148707

Ion Ratio Lower Upper

43 100

58 3.8 31.8 47.8#



#52

Toluene

Concen: 1.858 ug/l

RT: 7.66 min Scan# 713

Delta R.T. 0.03 min

Lab File: VF061959.D

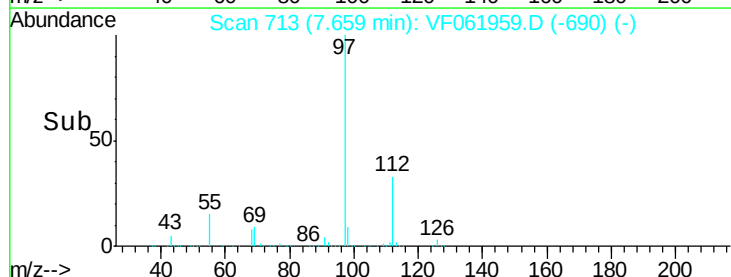
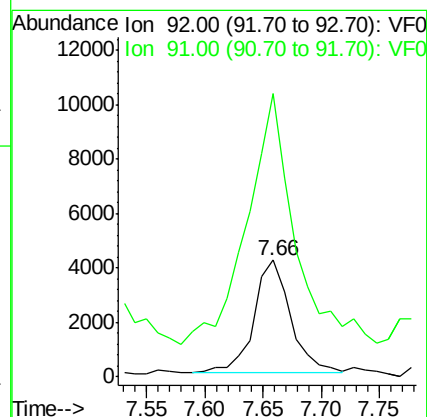
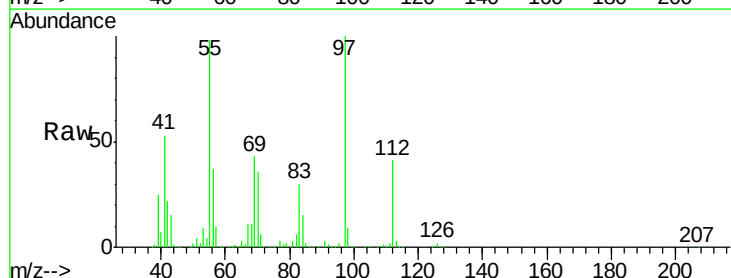
Acq: 15 Mar 2019 14:17

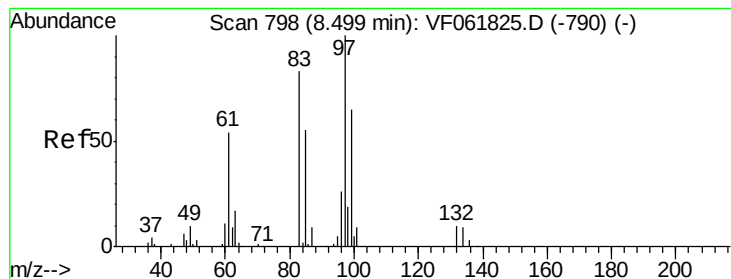
Tgt Ion: 92 Resp: 9045

Ion Ratio Lower Upper

92 100

91 242.1 132.0 198.0#





#55

1,1,2-Trichloroethane

Concen: 208.575 ug/l

RT: 8.42 min Scan# 790

Delta R.T. -0.08 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

SB-MW-7(10.5-11)

Tot Ion: 97 Resp: 292596

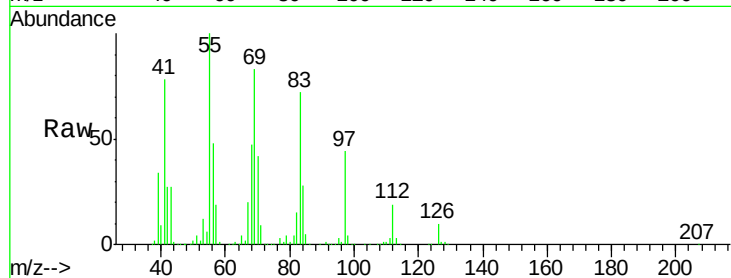
Ion Ratio Lower Upper

97 100

83 162.5 66.5 99.7#

85 12.2 44.2 66.2#

99 1.1 51.8 77.6#

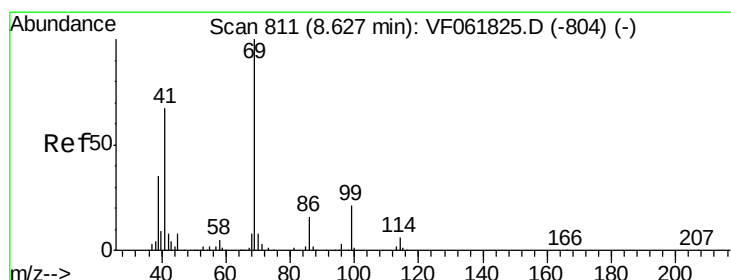
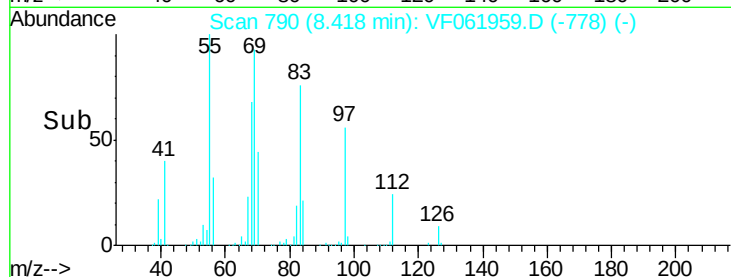
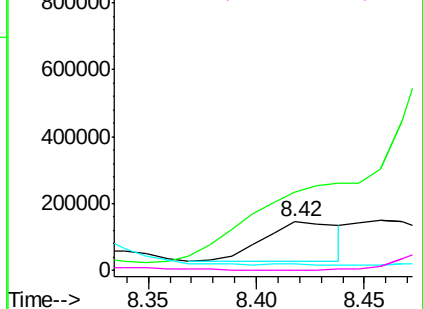


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 1085.470 ug/l

RT: 8.66 min Scan# 815

Delta R.T. 0.04 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

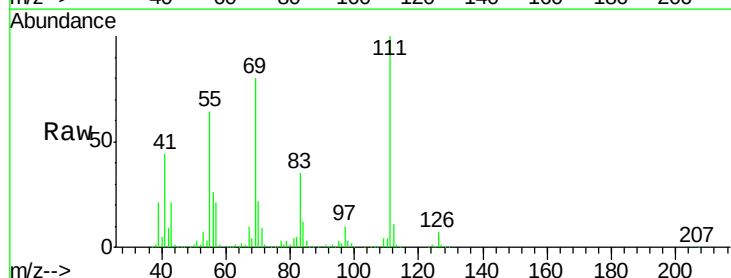
Tgt Ion: 69 Resp: 1716113

Ion Ratio Lower Upper

69 100

41 55.4 53.9 80.9

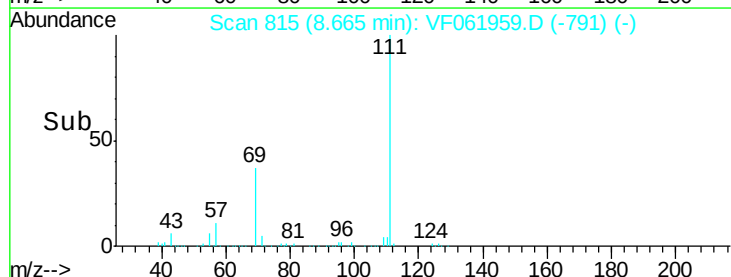
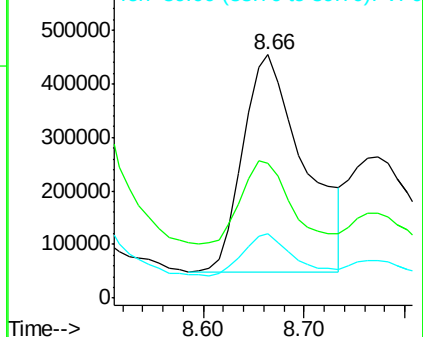
39 26.7 28.3 42.5#

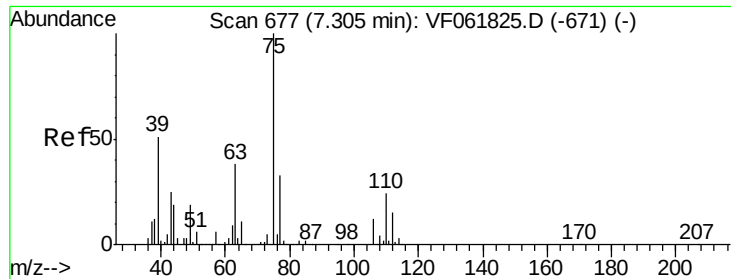


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#58

2-Chloroethyl Vinyl ether

Concen: 19.153 ug/l

RT: 7.34 min Scan# 681

Delta R.T. 0.04 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

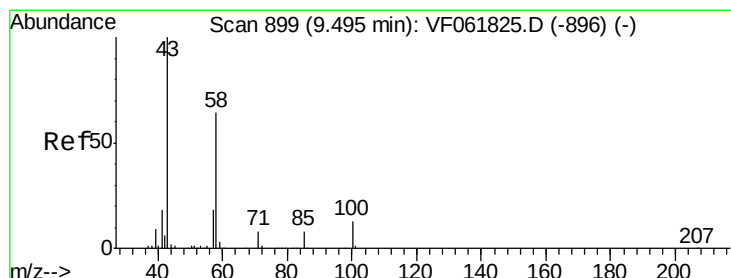
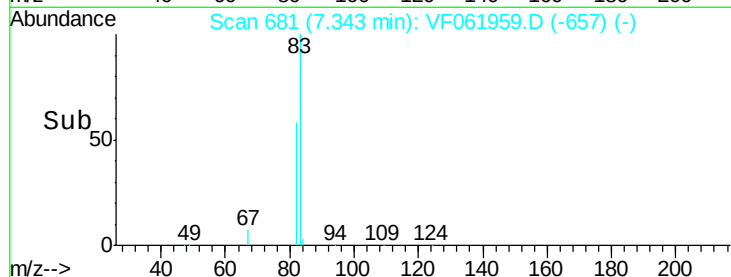
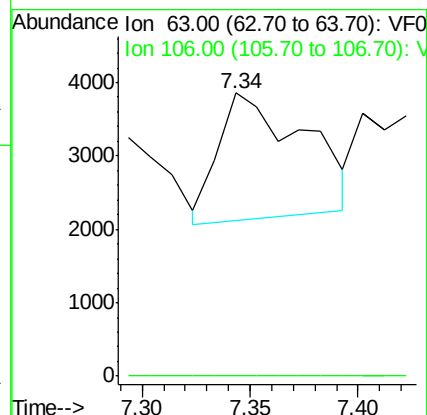
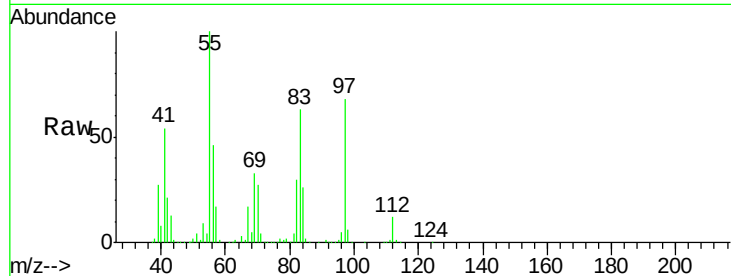
SB-MW-7(10.5-11)

Tot Ion: 63 Resp: 4790

Ion Ratio Lower Upper

63 100

106 0.0 24.3 36.5#



#59

2-Hexanone

Concen: 77.894 ug/l

RT: 9.56 min Scan# 906

Delta R.T. 0.07 min

Lab File: VF061959.D

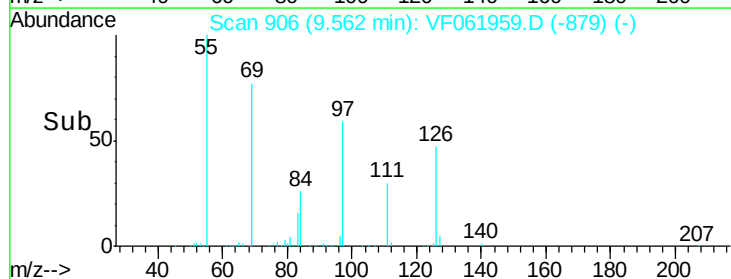
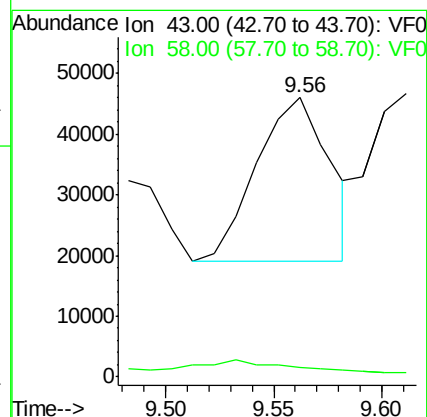
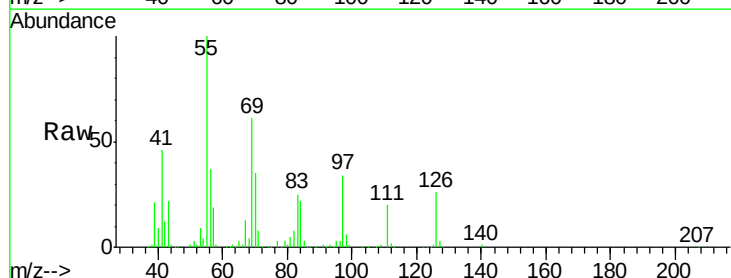
Acq: 15 Mar 2019 14:17

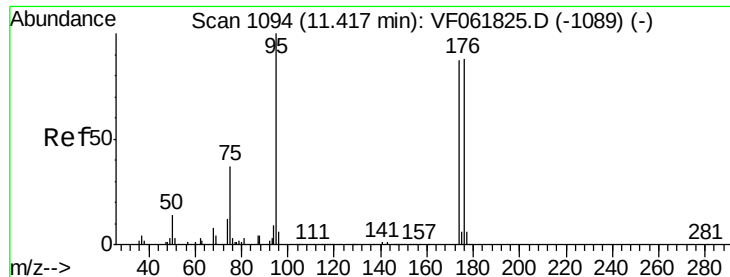
Tgt Ion: 43 Resp: 63270

Ion Ratio Lower Upper

43 100

58 3.2 28.8 86.4#





#62

4-Bromofluorobenzene

Concen: 84.943 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. 0.01 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

SB-MW-7(10.5-11)

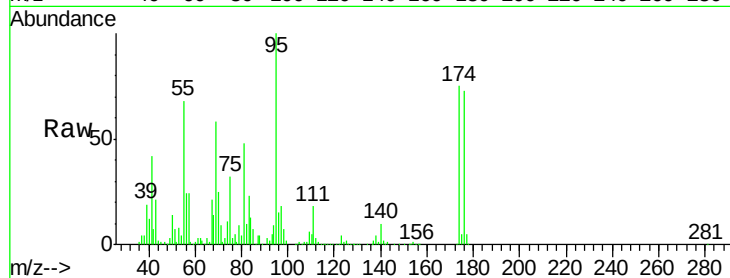
Tot Ion: 95 Resp: 230064

Ion Ratio Lower Upper

95 100

174 74.6 0.0 174.0

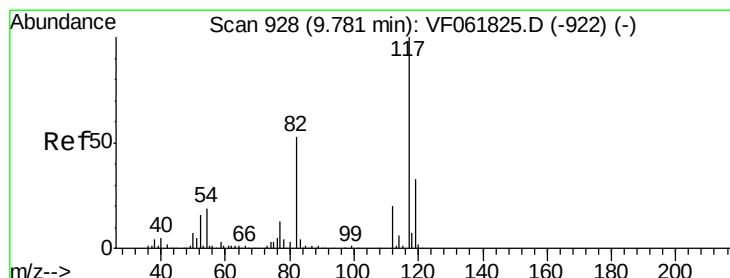
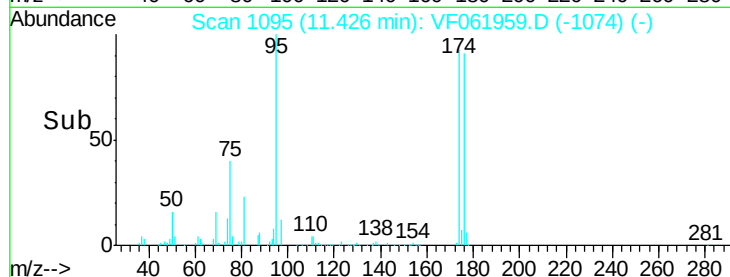
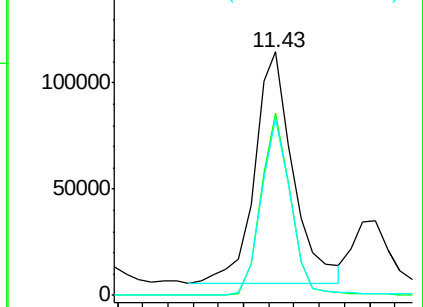
176 72.8 0.0 175.2



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: 9.80 min Scan# 930

Delta R.T. 0.02 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

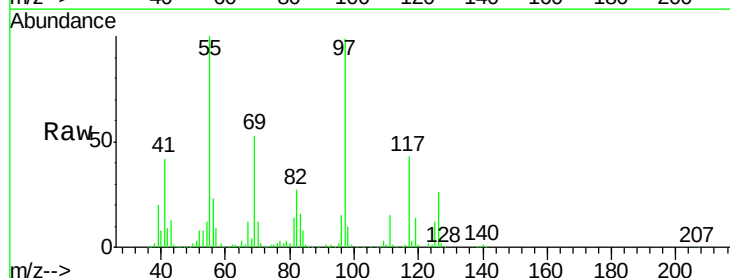
Tgt Ion: 117 Resp: 333525

Ion Ratio Lower Upper

117 100

82 62.0 42.6 63.8

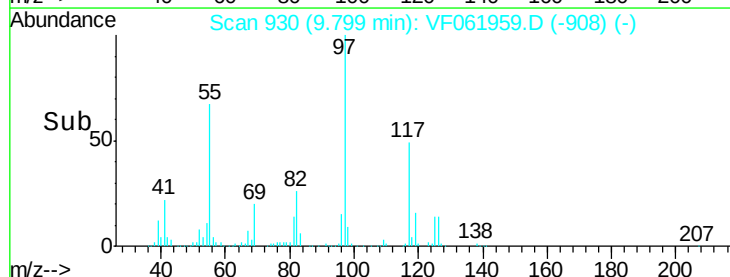
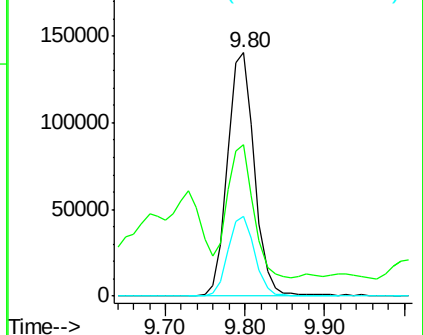
119 32.7 26.0 39.0

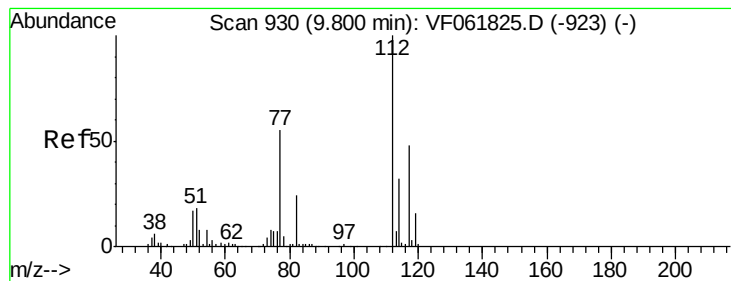


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#65

Chlorobenzene

Concen: 2.292 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.02 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

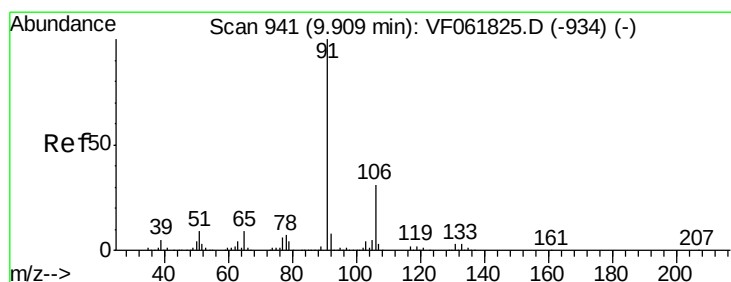
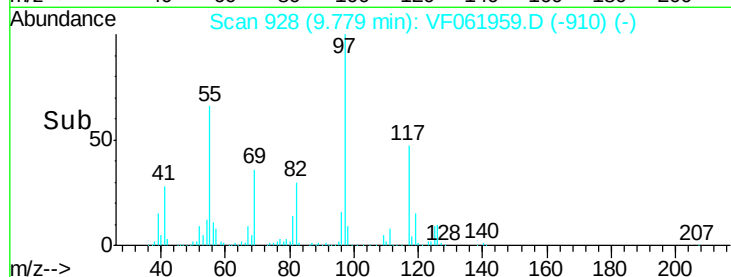
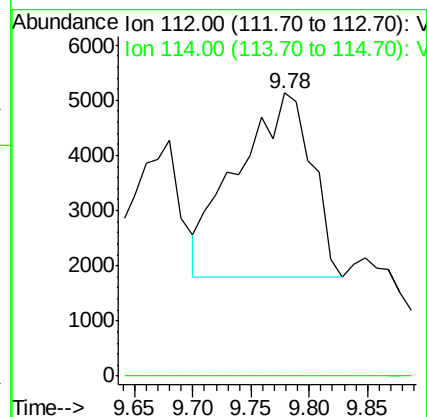
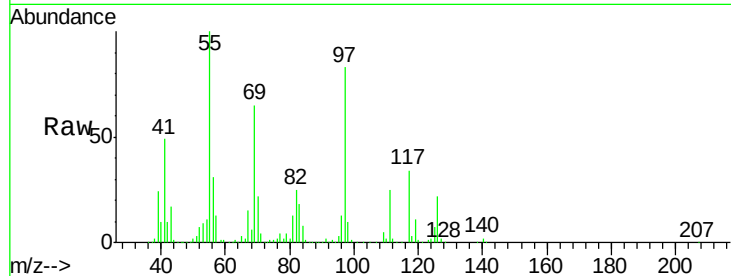
SB-MW-7(10.5-11)

Tot Ion:112 Resp: 14687

Ion Ratio Lower Upper

112 100

114 0.0 25.5 38.3#



#67

Ethyl Benzene

Concen: 57.222 ug/l

RT: 9.92 min Scan# 942

Delta R.T. 0.01 min

Lab File: VF061959.D

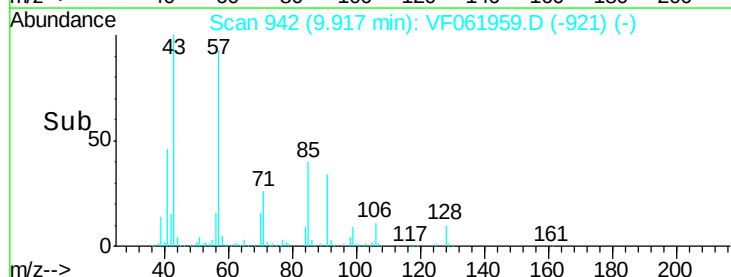
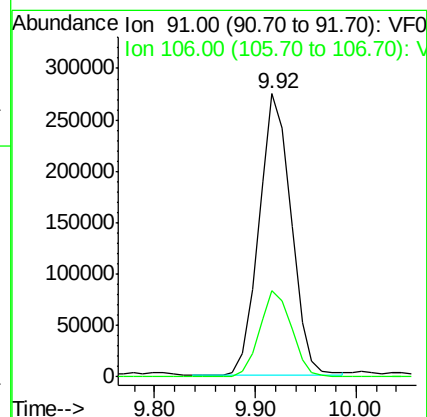
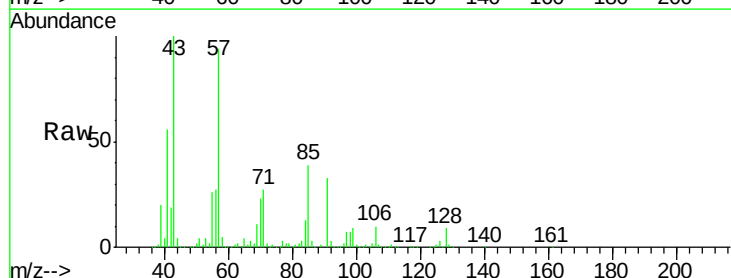
Acq: 15 Mar 2019 14:17

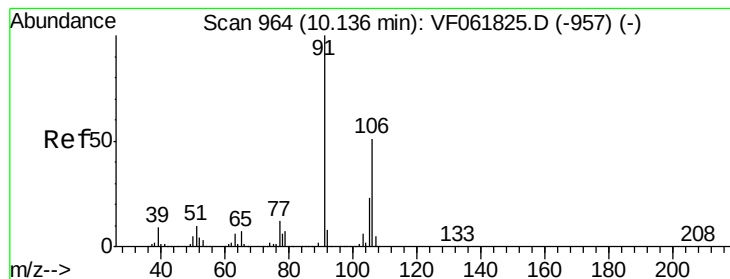
Tgt Ion: 91 Resp: 607729

Ion Ratio Lower Upper

91 100

106 30.7 25.0 37.4





#68

m/p-Xylenes

Concen: 213.658 ug/l

RT: 10.15 min Scan# 966

Delta R.T. 0.02 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

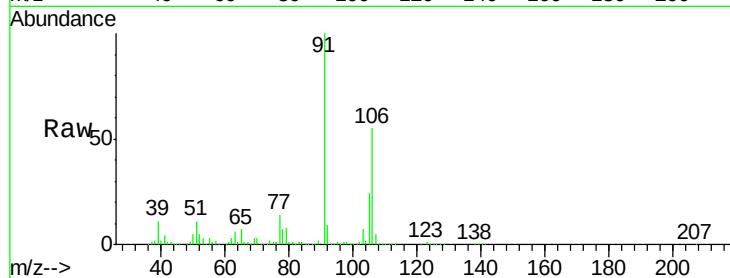
SB-MW-7(10.5-11)

Tot Ion:106 Resp: 869291

Ion Ratio Lower Upper

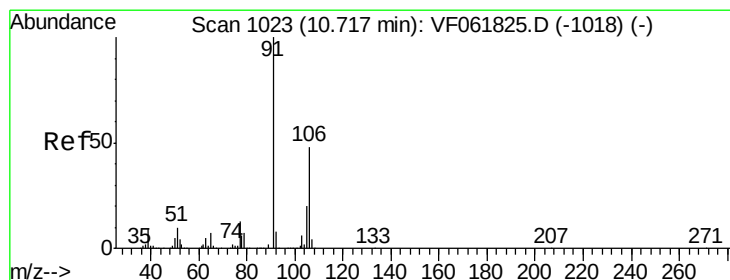
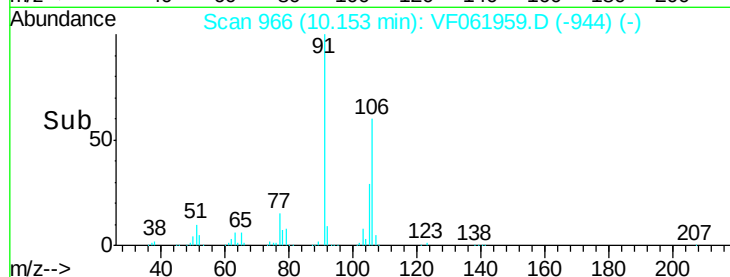
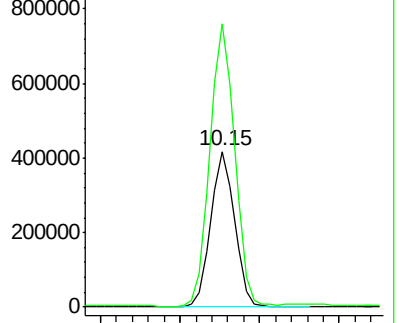
106 100

91 182.2 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 41.852 ug/l

RT: 10.73 min Scan# 1024

Delta R.T. 0.01 min

Lab File: VF061959.D

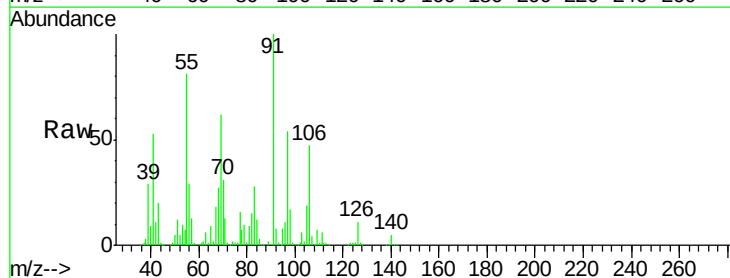
Acq: 15 Mar 2019 14:17

Tgt Ion:106 Resp: 183360

Ion Ratio Lower Upper

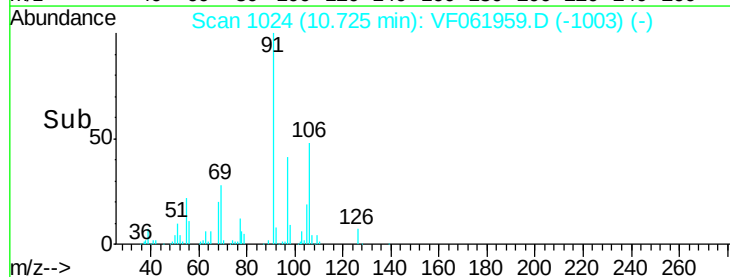
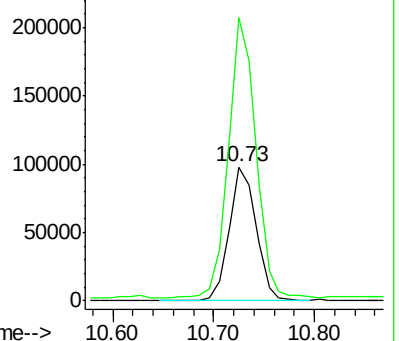
106 100

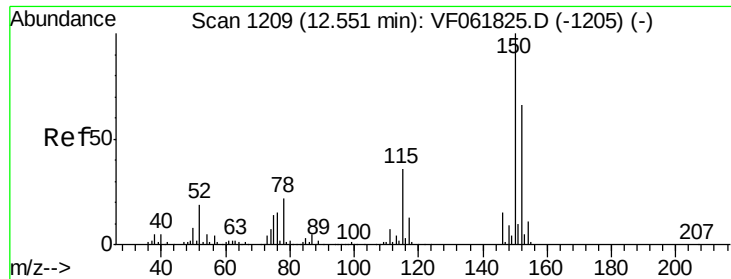
91 211.1 103.5 310.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.01 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

SB-MW-7(10.5-11)

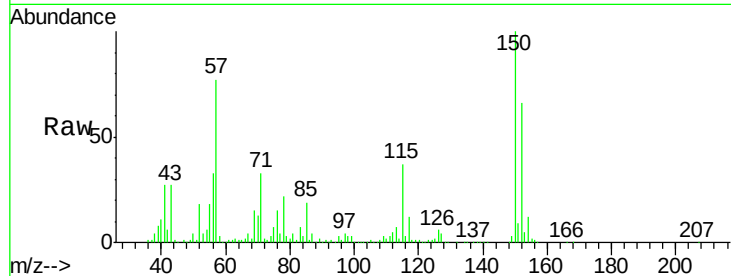
Tot Ion:152 Resp: 183667

Ion Ratio Lower Upper

152 100

115 56.7 27.7 83.1

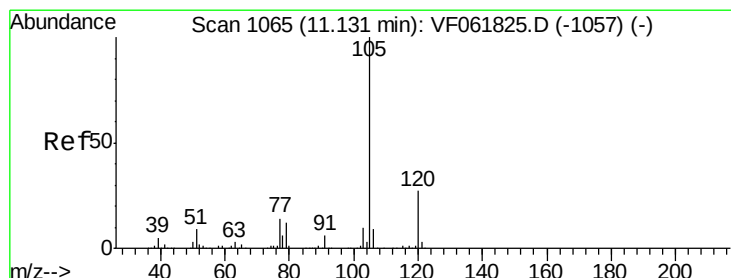
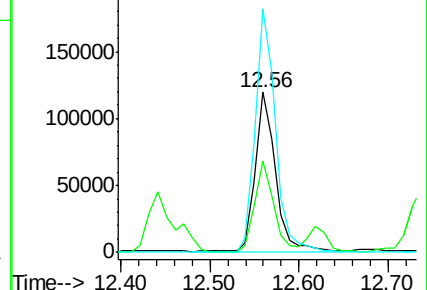
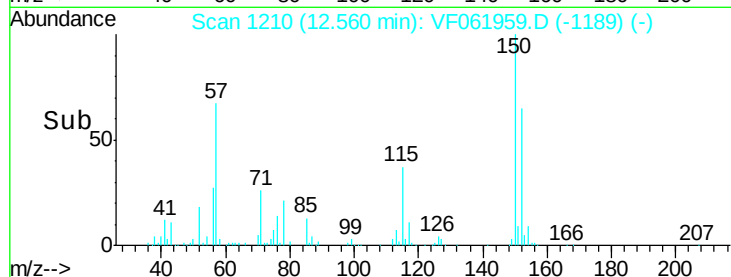
150 152.0 0.0 304.2



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: 31.271 ug/l

RT: 11.14 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VF061959.D

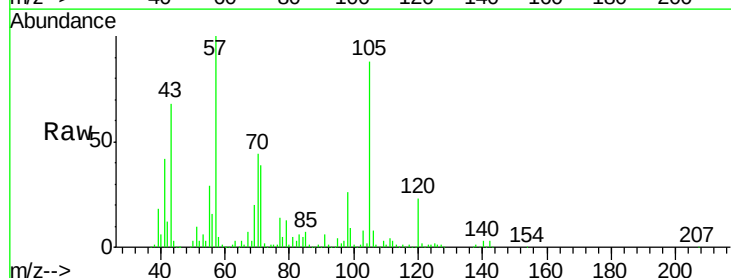
Acq: 15 Mar 2019 14:17

Tgt Ion:105 Resp: 395403

Ion Ratio Lower Upper

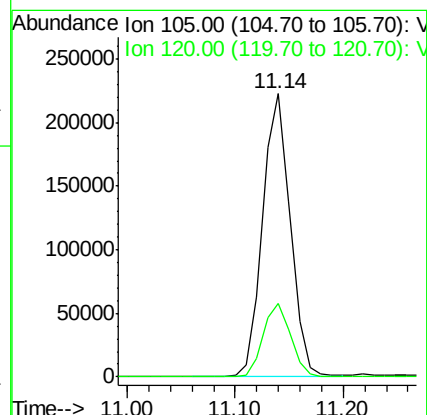
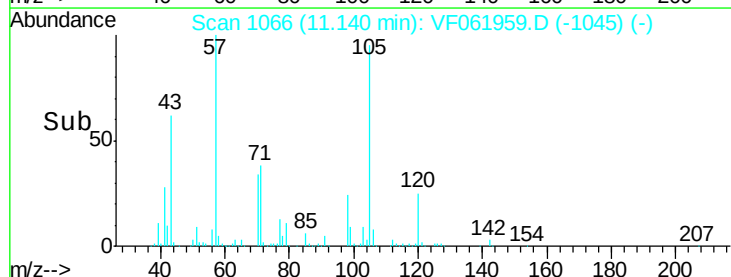
105 100

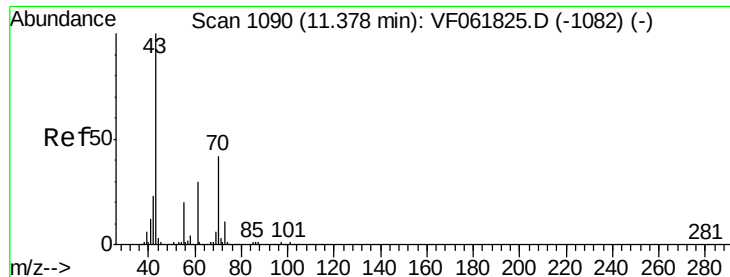
120 25.9 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 18.603 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.03 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

SB-MW-7(10.5-11)

Tot Ion: 43 Resp: 54152

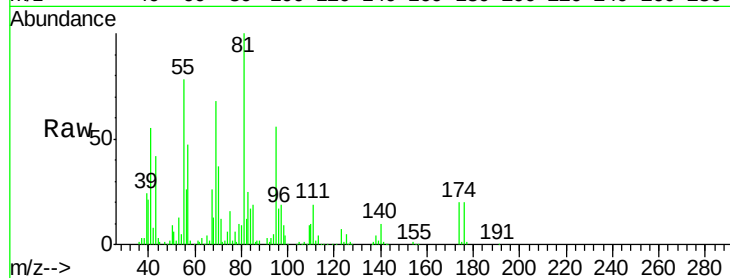
Ion Ratio Lower Upper

43 100

70 86.3 33.4 50.0#

55 184.5 16.3 24.5#

61 3.8 24.0 36.0#



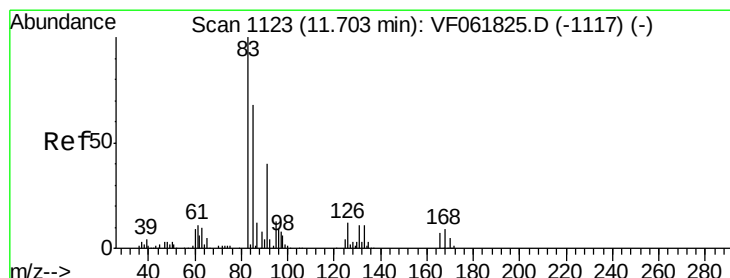
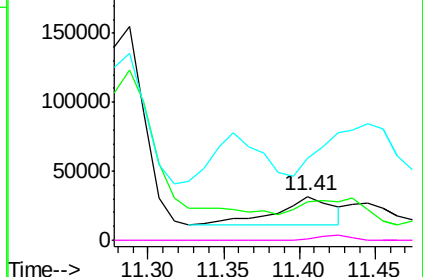
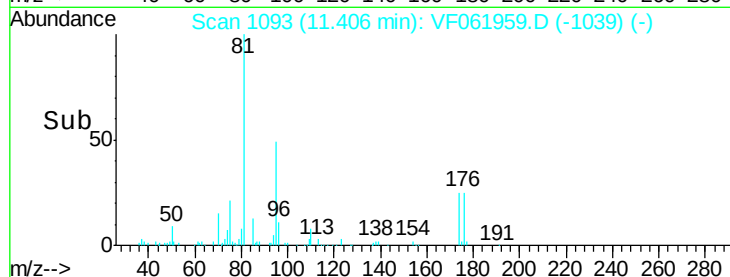
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 69.544 ug/l

RT: 11.66 min Scan# 1119

Delta R.T. -0.04 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

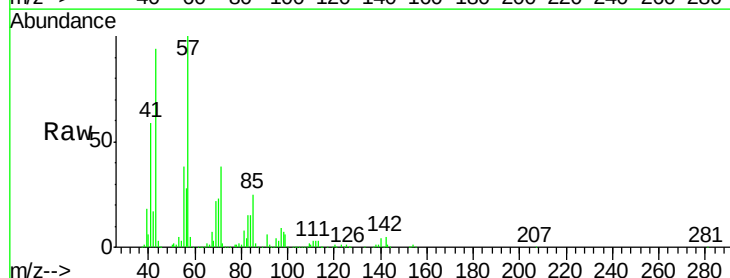
Tgt Ion: 83 Resp: 146151

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

85 173.1 34.2 102.6#

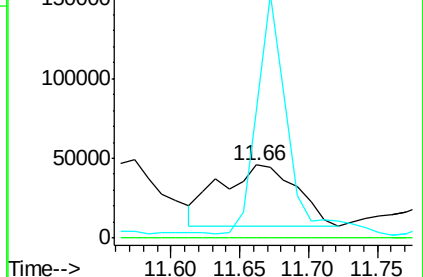
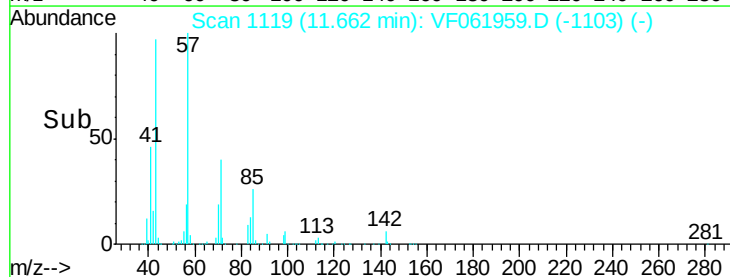


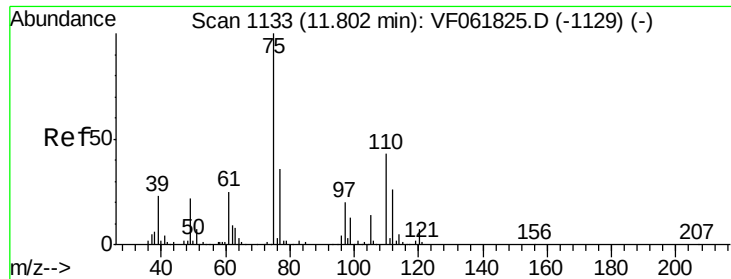
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0

Time-->

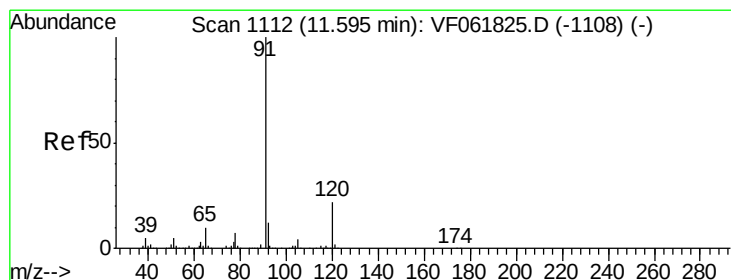
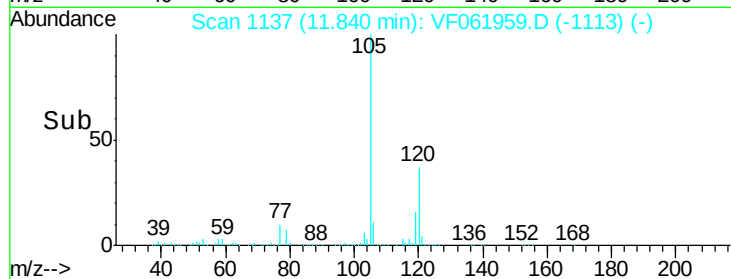
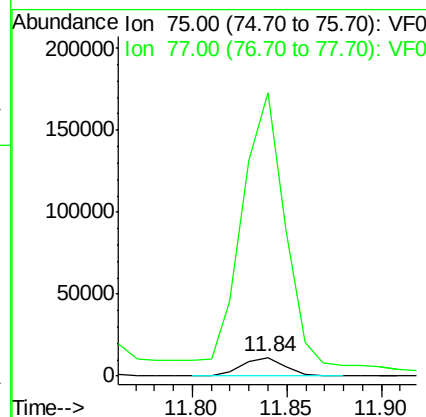
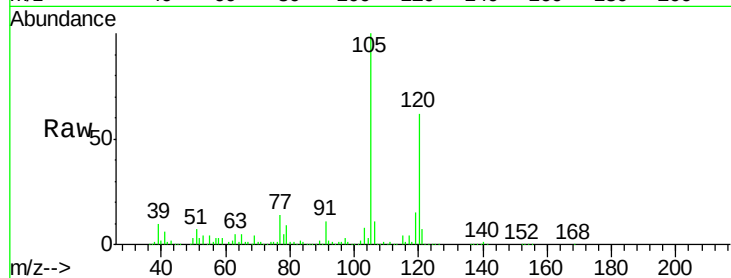




#76
 1,2,3-Trichloropropane
 Concen: 12.488 ug/l
 RT: 11.84 min Scan# 1137
 Delta R.T. 0.04 min
 Lab File: VF061959.D
 Acq: 15 Mar 2019 14:17

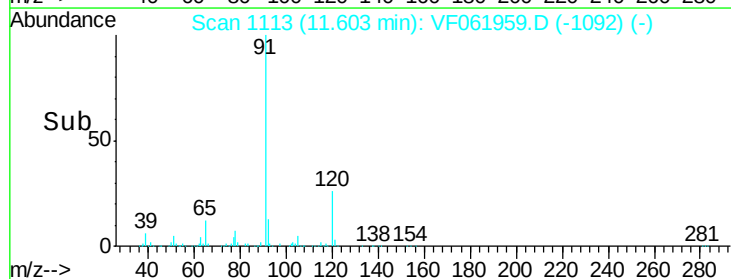
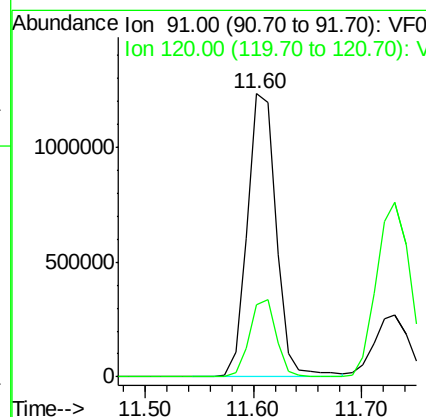
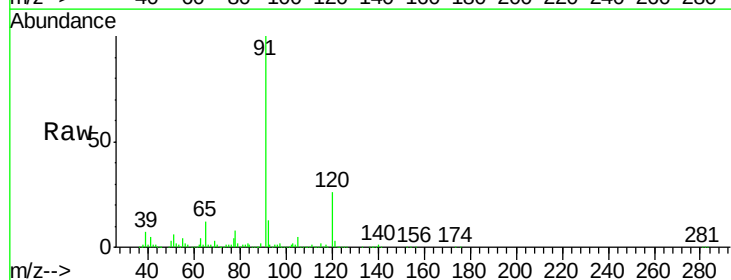
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-MW-7(10.5-11)

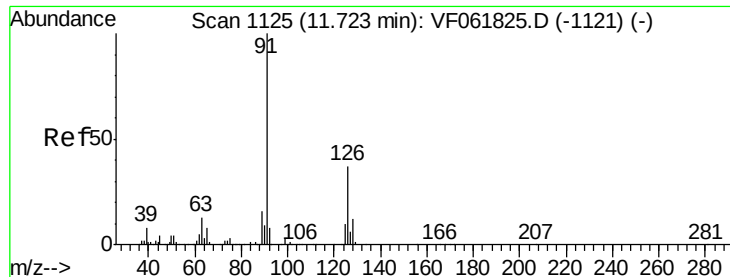
Tot Ion: 75 Resp: 17912
 Ion Ratio Lower Upper
 75 100
 77 1488.0 18.1 54.4#



#78
 n-propylbenzene
 Concen: 160.450 ug/l
 RT: 11.60 min Scan# 1113
 Delta R.T. 0.01 min
 Lab File: VF061959.D
 Acq: 15 Mar 2019 14:17

Tgt Ion: 91 Resp: 2291118
 Ion Ratio Lower Upper
 91 100
 120 25.7 11.1 33.1





#79

2-Chlorotoluene

Concen: 73.359 ug/l

RT: 11.73 min Scan# 1126

Delta R.T. 0.01 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

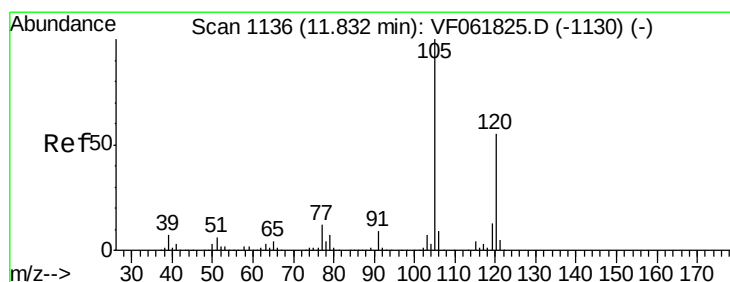
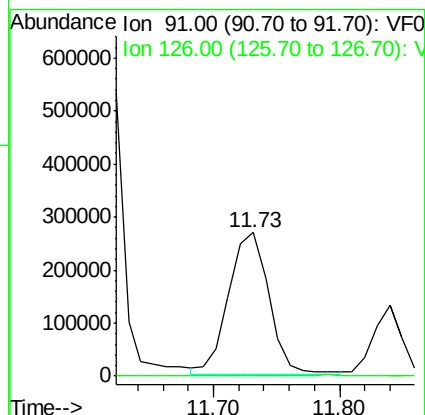
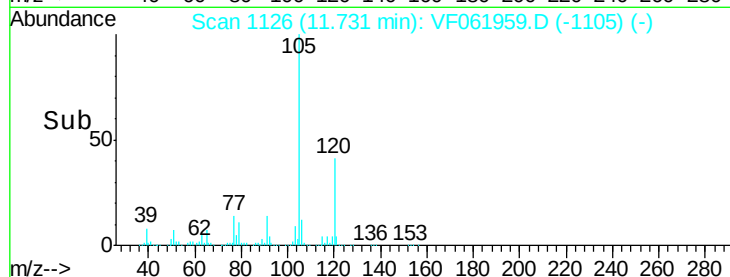
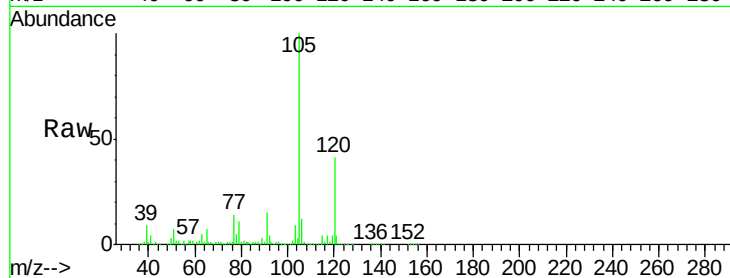
SB-MW-7(10.5-11)

Tot Ion: 91 Resp: 598881

Ion Ratio Lower Upper

91 100

126 0.2 18.1 54.4#



#80

1,3,5-Trimethylbenzene

Concen: 202.599 ug/l

RT: 11.84 min Scan# 1137

Delta R.T. 0.01 min

Lab File: VF061959.D

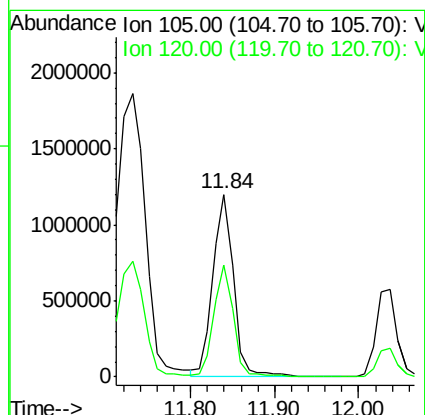
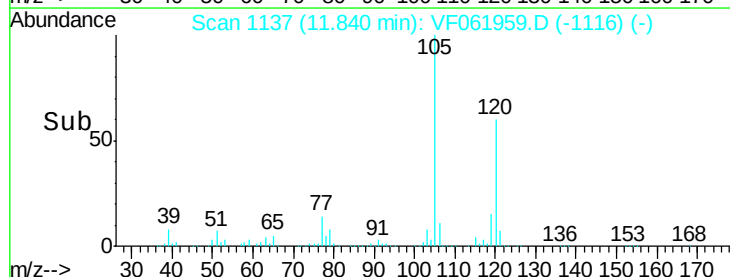
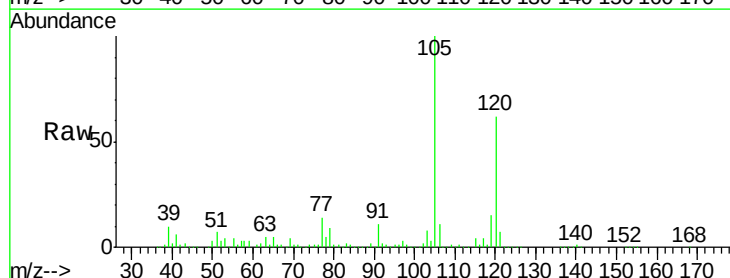
Acq: 15 Mar 2019 14:17

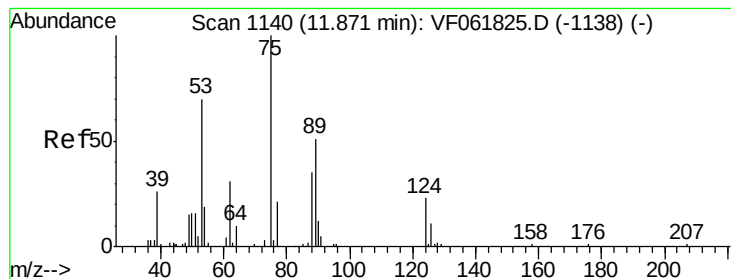
Tgt Ion: 105 Resp: 2056780

Ion Ratio Lower Upper

105 100

120 61.7 27.4 82.2





#81

trans-1,4-Dichloro-2-butene

Concen: 2.388 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. 0.02 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

SB-MW-7(10.5-11)

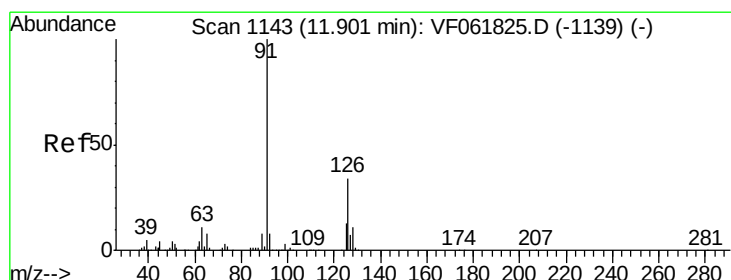
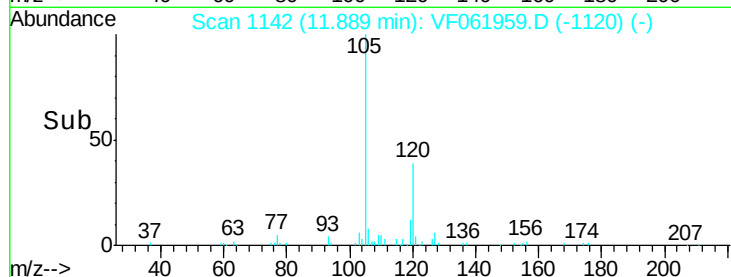
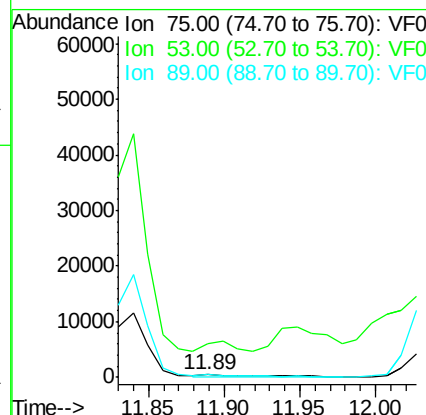
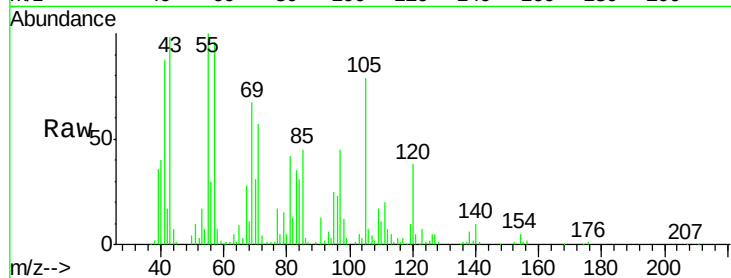
Tot Ion: 75 Resp: 1566

Ion Ratio Lower Upper

75 100

53 1178.8 58.6 88.0#

89 90.9 41.4 62.0#



#82

4-Chlorotoluene

Concen: 25.579 ug/l

RT: 11.84 min Scan# 1137

Delta R.T. -0.06 min

Lab File: VF061959.D

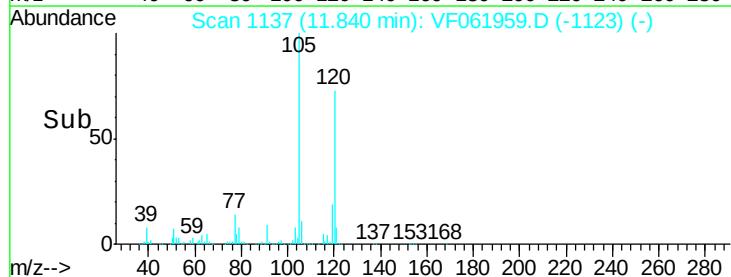
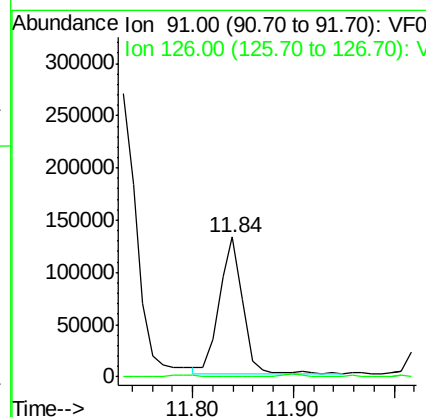
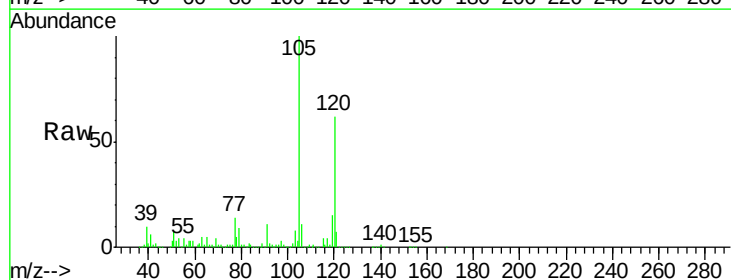
Acq: 15 Mar 2019 14:17

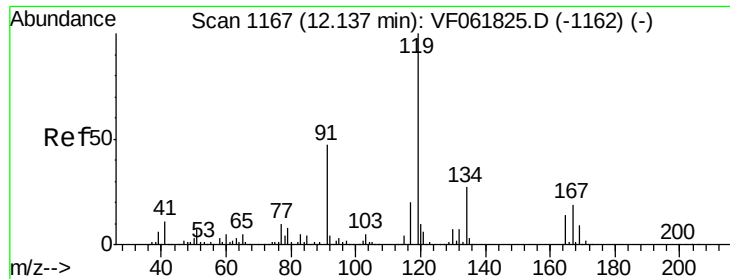
Tgt Ion: 91 Resp: 213589

Ion Ratio Lower Upper

91 100

126 0.2 17.0 50.9#

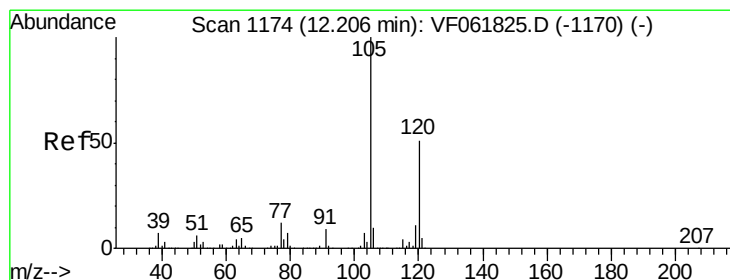
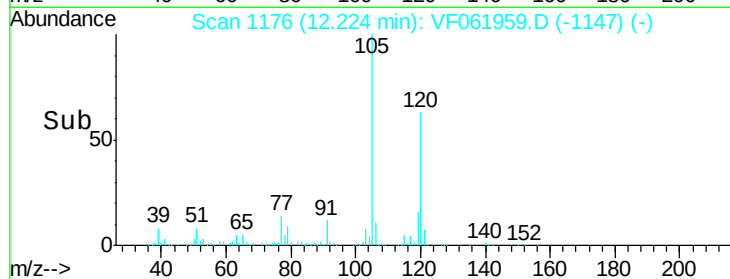
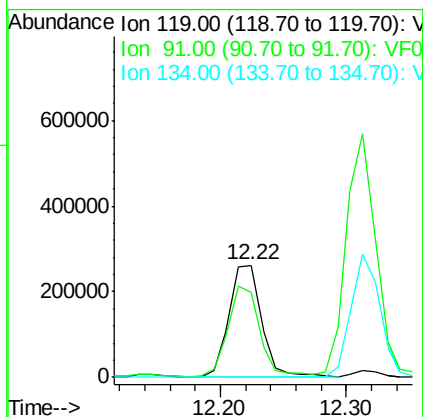
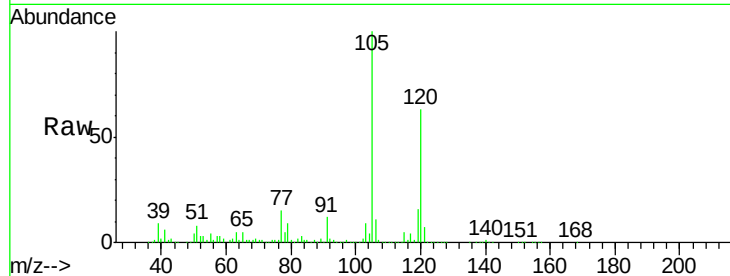




#83
 tert-Butylbenzene
 Concen: 43.575 ug/l
 RT: 12.22 min Scan# 1176
 Delta R.T. 0.09 min
 Lab File: VF061959.D
 Acq: 15 Mar 2019 14:17

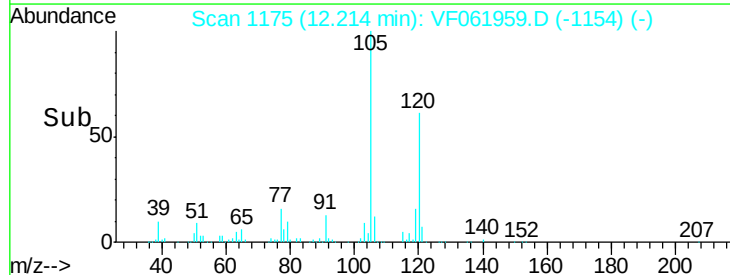
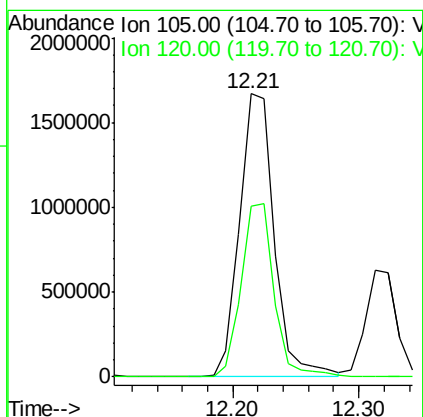
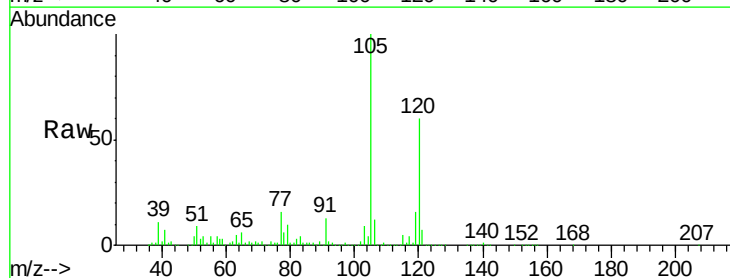
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-MW-7(10.5-11)

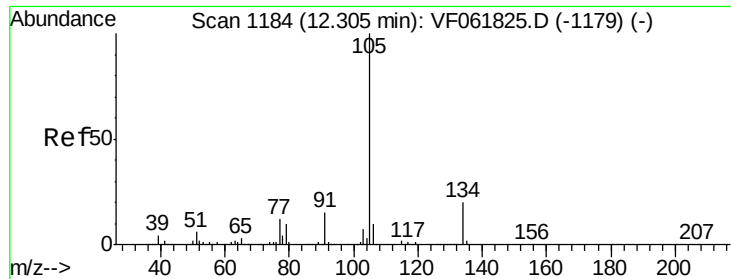
Tot Ion:119 Resp: 469728
 Ion Ratio Lower Upper
 119 100
 91 76.2 23.5 70.5#
 134 0.0 13.3 39.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 319.441 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VF061959.D
 Acq: 15 Mar 2019 14:17

Tgt Ion:105 Resp: 3179077
 Ion Ratio Lower Upper
 105 100
 120 60.4 25.8 77.4





#85

sec-Butylbenzene

Concen: 77.024 ug/l

RT: 12.31 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

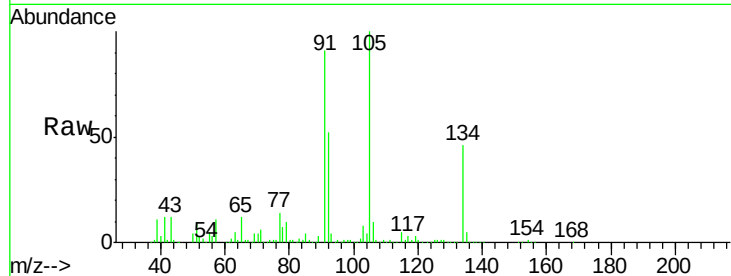
SB-MW-7(10.5-11)

Tot Ion:105 Resp: 1080490

Ion Ratio Lower Upper

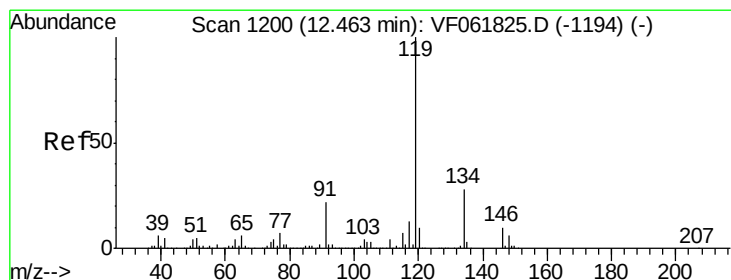
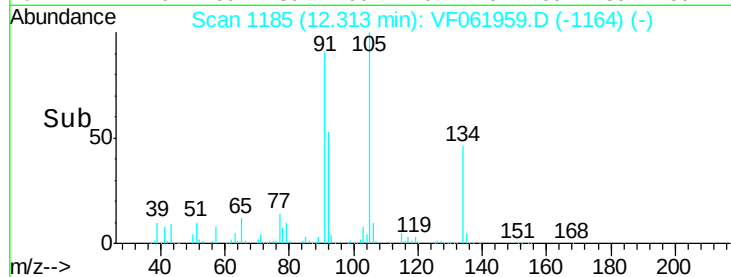
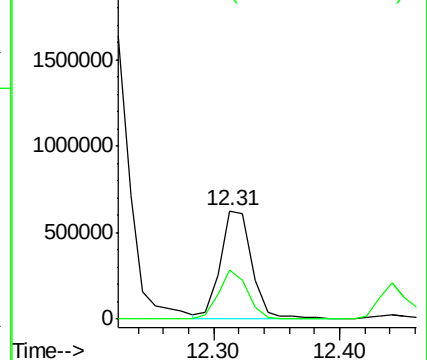
105 100

134 45.7 9.8 29.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 123.362 ug/l

RT: 12.44 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

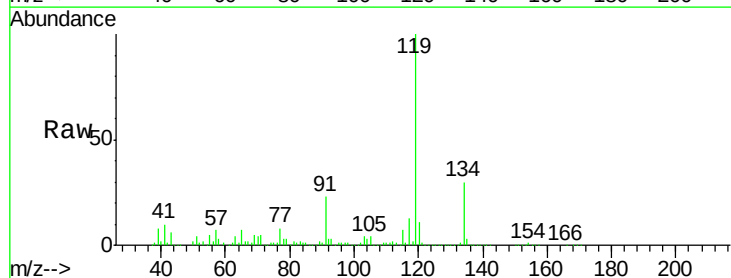
Tgt Ion:119 Resp: 1470994

Ion Ratio Lower Upper

119 100

134 29.8 14.0 42.0

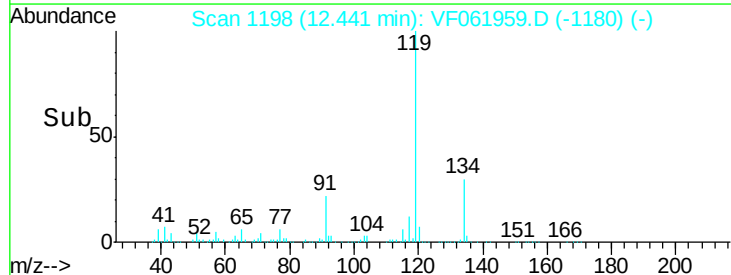
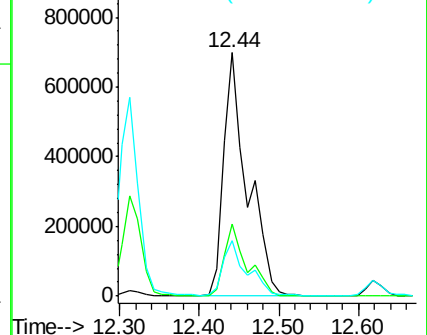
91 22.7 11.1 33.3

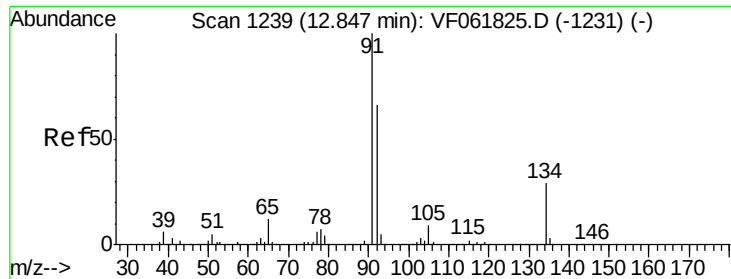


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

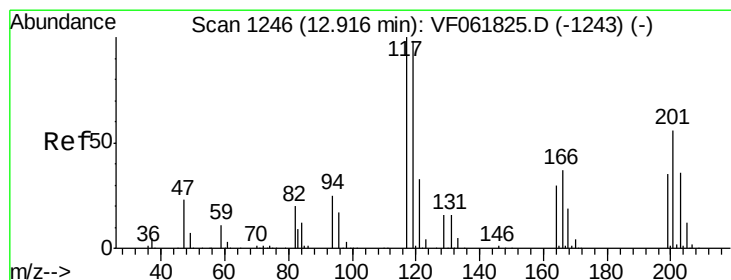
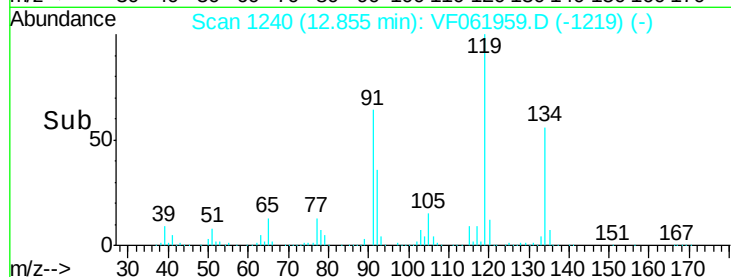
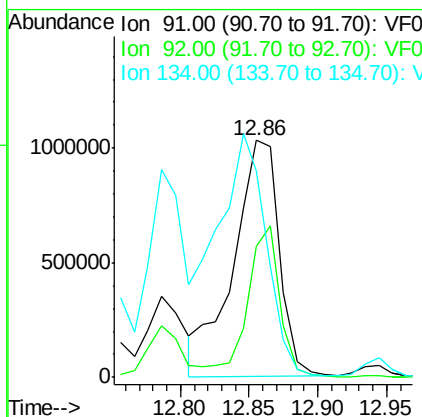
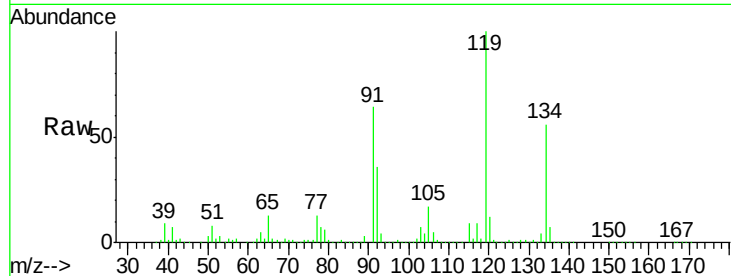




#89
n-Butylbenzene
Concen: 209.927 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VF061959.D
Acq: 15 Mar 2019 14:17

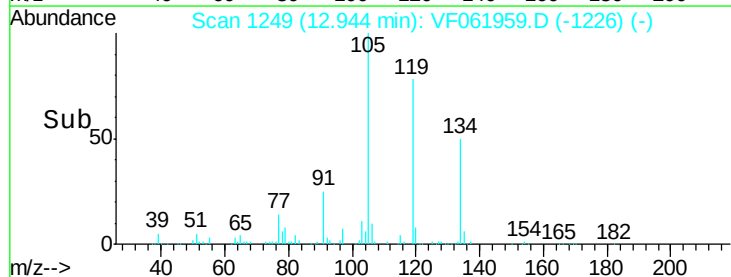
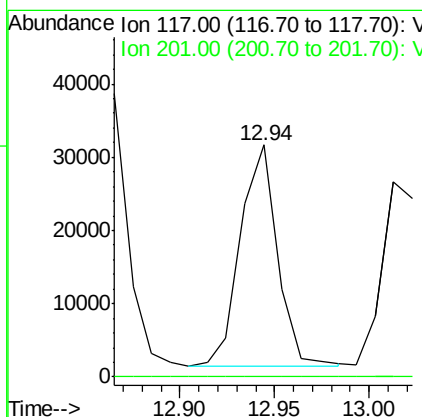
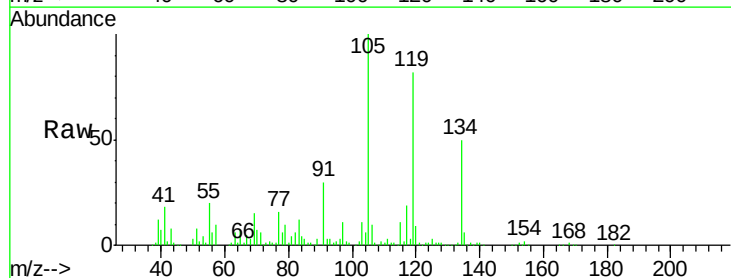
Instrument :
MSVOA_F
ClientSampleId :
SB-MW-7(10.5-11)

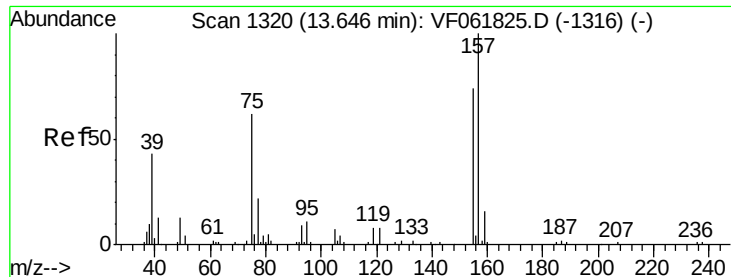
Tot Ion: 91 Resp: 2392266
Ion Ratio Lower Upper
91 100
92 55.3 32.9 98.6
134 87.0 14.5 43.6#



#90
Hexachloroethane
Concen: 14.181 ug/l
RT: 12.94 min Scan# 1249
Delta R.T. 0.03 min
Lab File: VF061959.D
Acq: 15 Mar 2019 14:17

Tgt Ion: 117 Resp: 40703
Ion Ratio Lower Upper
117 100
201 0.0 27.8 83.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 19.586 ug/l

RT: 13.62 min Scan# 1318

Delta R.T. -0.02 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

SB-MW-7(10.5-11)

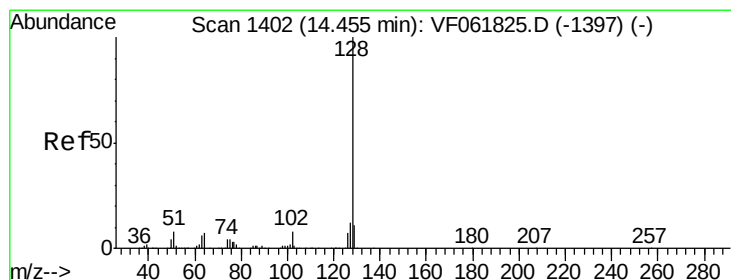
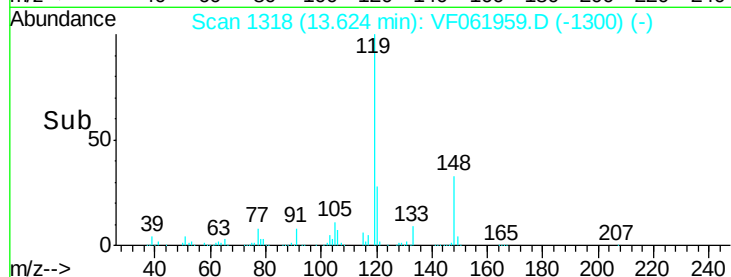
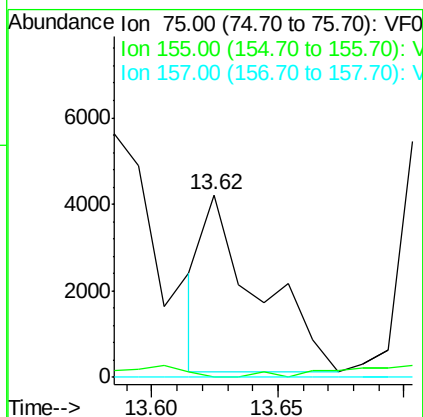
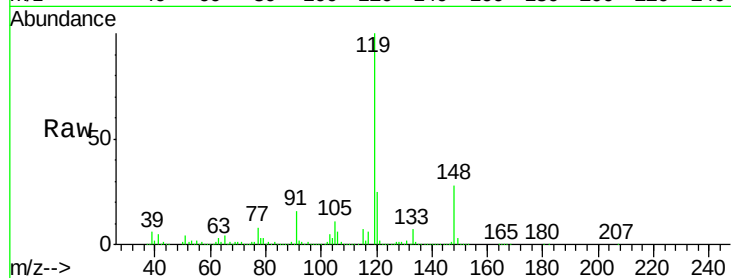
Tot Ion: 75 Resp: 6243

Ion Ratio Lower Upper

75 100

155 0.0 59.8 179.4#

157 0.0 81.2 243.4#



#95

Naphthalene

Concen: 27.865 ug/l

RT: 14.46 min Scan# 1403

Delta R.T. 0.01 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Tgt Ion:128 Resp: 190481

Ion Ratio Lower Upper

128 100

127 16.9 9.3 13.9#

129 20.3 8.8 13.2#

