

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059690.D
 Acq On : 30 Jul 2018 15:57
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 85 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 31 03:51:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 03:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	198942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	286436	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	277164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	182352	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	244918	78.38	ug/l	0.00
Spiked Amount			Recovery	=	156.76%	
35) Dibromofluoromethane	4.29	113	200184	73.02	ug/l	0.00
Spiked Amount			Recovery	=	146.04%	
50) Toluene-d8	7.71	98	455956	68.79	ug/l	0.00
Spiked Amount			Recovery	=	137.58%	
62) 4-Bromofluorobenzene	11.51	95	246433	68.71	ug/l	0.00
Spiked Amount			Recovery	=	137.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	152259	74.117	ug/l	97
3) Chloromethane	1.08	50	76848	66.170	ug/l	93
4) Vinyl Chloride	1.15	62	85871	69.846	ug/l #	88
5) Bromomethane	1.34	94	70293	65.684	ug/l	97
6) Chloroethane	1.43	64	52110	67.937	ug/l	90
7) Trichlorofluoromethane	1.54	101	138332	37.417	ug/l	100
8) Diethyl Ether	1.70	74	41896	79.995	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	127537	64.888	ug/l	95
10) Methyl Iodide	1.97	142	193503	67.265	ug/l	98
11) Tert butyl alcohol	2.68	59	56747	423.044	ug/l #	83
12) 1,1-Dichloroethene	1.85	96	101098	69.523	ug/l	90
13) Acrolein	2.09	56	28100	473.309	ug/l #	70
14) Allyl chloride	2.19	41	159496	67.053	ug/l	97
15) Acrylonitrile	3.06	53	78321	383.046	ug/l #	90
16) Acetone	2.33	43	223458	392.488	ug/l	96
17) Carbon Disulfide	1.89	76	130933	37.041	ug/l	94
18) Methyl Acetate	2.45	43	61945	64.997	ug/l	97
19) Methyl tert-butyl Ether	2.53	73	323701	79.656	ug/l	100
20) Methylene Chloride	2.27	84	43429	20.713	ug/l	95
21) trans-1,2-Dichloroethene	2.41	96	92281	61.872	ug/l	95
22) Diisopropyl ether	2.93	45	342095	71.949	ug/l	94
23) Vinyl Acetate	3.33	43	925128	392.485	ug/l	98
24) 1,1-Dichloroethane	2.99	63	238587	70.526	ug/l	98
25) 2-Butanone	4.50	43	218240	347.906	ug/l #	83
26) 2,2-Dichloropropane	3.75	77	167846	60.994	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	125079	71.498	ug/l	99
28) Bromochloromethane	3.88	49	85136	68.312	ug/l	91
29) Tetrahydrofuran	4.25	42	92440	367.146	ug/l	94
30) Chloroform	4.03	83	321609	67.299	ug/l	95
31) Cyclohexane	3.85	56	123030	63.294	ug/l	98
32) 1,1,1-Trichloroethane	4.27	97	257994	65.814	ug/l	97
36) 1,1-Dichloropropene	4.45	75	191684	61.697	ug/l	95
37) Ethyl Acetate	4.29	43	97054	71.611	ug/l #	75
38) Carbon Tetrachloride	4.17	117	316263	69.381	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	147924	58.502	ug/l	99
40) Benzene	4.80	78	359169	65.088	ug/l	99
41) Methacrylonitrile	4.92	41	48699	72.970	ug/l	88
42) 1,2-Dichloroethane	5.11	62	260548	72.562	ug/l	98
43) Isopropyl Acetate	7.10	43	108294	77.172	ug/l #	93
44) Trichloroethene	5.67	130	124479	58.243	ug/l	80
45) 1,2-Dichloropropane	6.39	63	99409	67.787	ug/l	100
46) Dibromomethane	6.25	93	92564	72.688	ug/l	92
47) Bromodichloromethane	6.54	83	253810	68.026	ug/l	97
48) Methyl methacrylate	6.87	41	88831	80.655	ug/l	94
49) 1,4-Dioxane	6.86	88	12548	1427.676	ug/l	98
51) 4-Methyl-2-Pentanone	8.41	43	435064	385.259	ug/l	100
52) Toluene	7.77	92	259198	63.236	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	212257	71.123	ug/l	95
54) cis-1,3-Dichloropropene	7.45	75	216962	70.065	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	98551	72.391	ug/l	96
56) Ethyl methacrylate	8.76	69	113883	78.909	ug/l	98
57) 1,3-Dichloropropane	9.00	76	171905	73.022	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.77	63	57148	327.955	ug/l	100
59) 2-Hexanone	9.63	43	332022	396.362	ug/l	98
60) Dibromochloromethane	8.86	129	187852	76.488	ug/l	98
61) 1,2-Dibromoethane	9.14	107	126986	77.135	ug/l	98
64) Tetrachloroethene	8.30	164	134319	60.820	ug/l	97
65) Chlorobenzene	9.93	112	350021	64.998	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	169026	68.197	ug/l	96
67) Ethyl Benzene	10.03	91	633228	64.845	ug/l	99
68) m/p-Xylenes	10.27	106	430774	127.468	ug/l	97
69) o-Xylene	10.82	106	243148	66.624	ug/l	96
70) Styrene	10.90	104	344320	64.873	ug/l	98
71) Bromoform	10.89	173	114048	74.623	ug/l #	99
73) Isopropylbenzene	11.23	105	778193	62.521	ug/l	99
74) N-amyl acetate	11.46	43	188774	74.001	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	140048	68.519	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	118106	70.357	ug/l	97
77) Bromobenzene	11.59	156	198740	65.783	ug/l	94
78) n-propylbenzene	11.69	91	832163	58.031	ug/l	99
79) 2-Chlorotoluene	11.81	91	531637	60.919	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	660932	60.496	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	68623	78.730	ug/l	98
82) 4-Chlorotoluene	11.98	91	545072	59.276	ug/l	100
83) tert-Butylbenzene	12.21	119	694242	62.880	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	666267	59.354	ug/l	97
85) sec-Butylbenzene	12.39	105	885075	60.931	ug/l	98
86) p-Isopropyltoluene	12.54	119	745387	59.674	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	348043	59.077	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	363762	64.811	ug/l	98
89) n-Butylbenzene	12.92	91	717826	59.425	ug/l	98
90) Hexachloroethane	12.99	117	192136	60.427	ug/l	99
91) 1,2-Dichlorobenzene	13.02	146	340941	62.247	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	37593	75.621	ug/l	94

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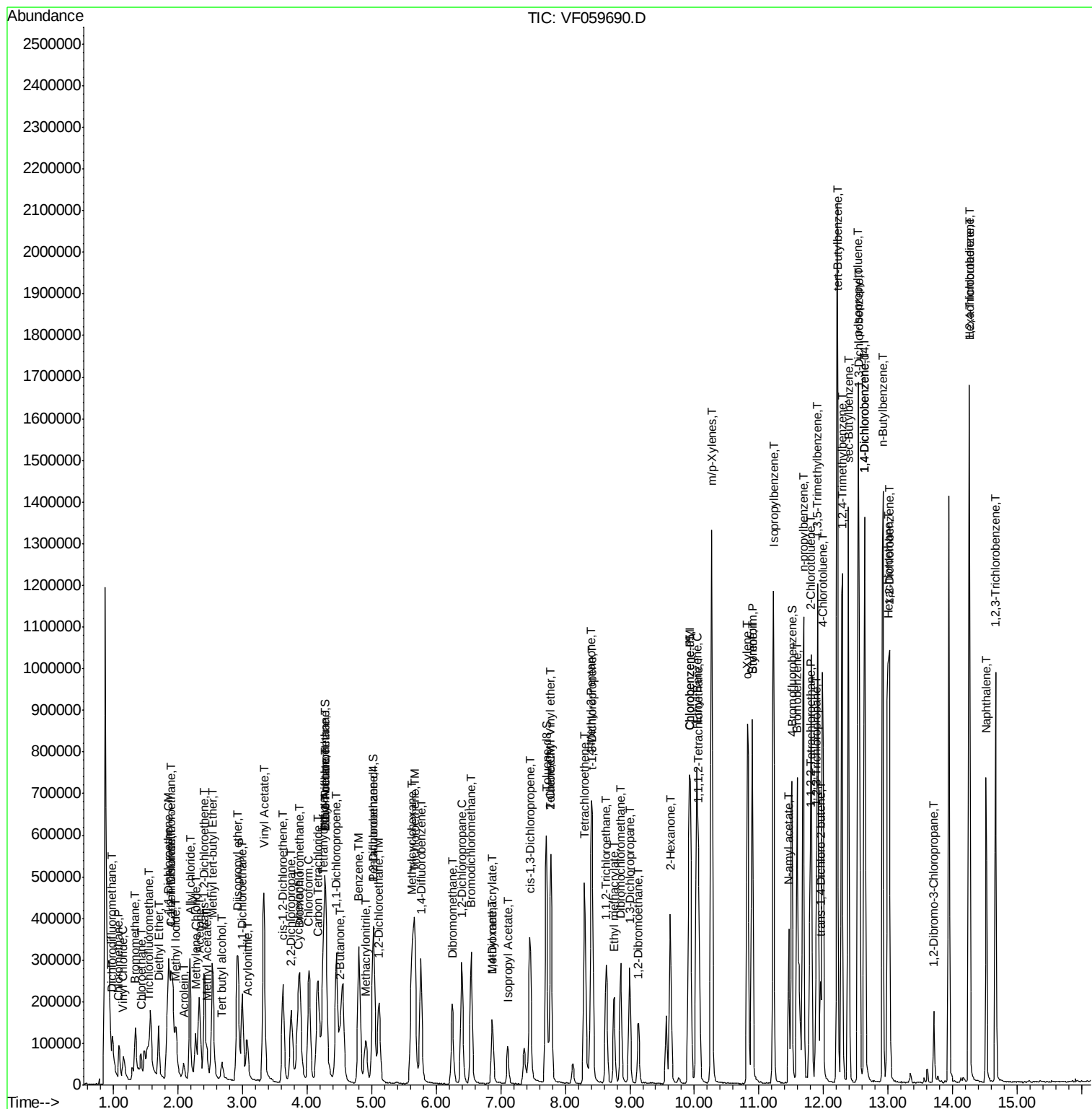
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	277531	63.225	ug/l	99
94) Hexachlorobutadiene	14.25	225	194640	60.271	ug/l	97
95) Naphthalene	14.52	128	511042	73.064	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	272113	68.197	ug/l	95

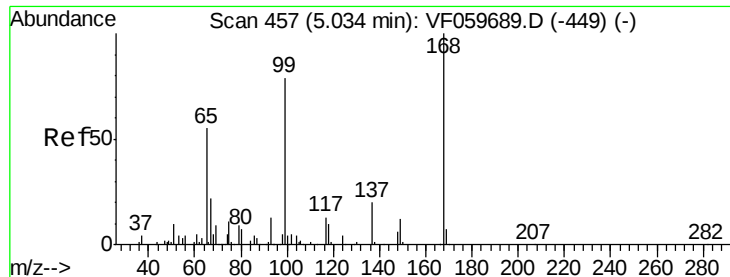
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

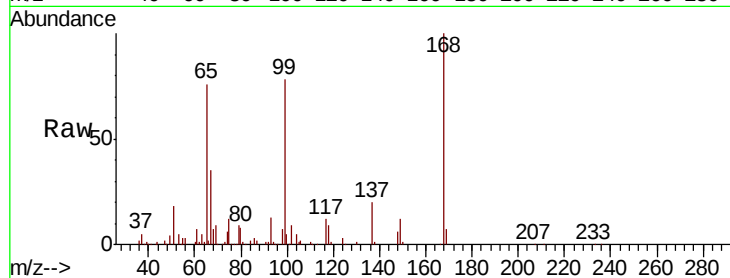
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 198942

Ion Ratio Lower Upper

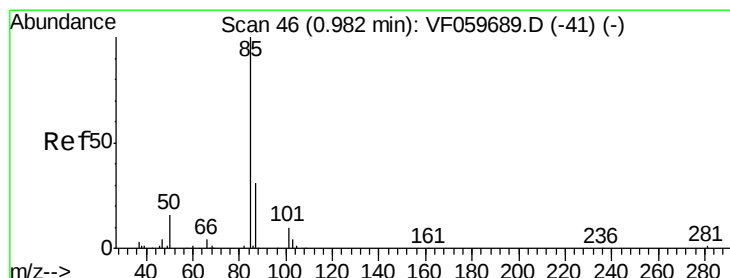
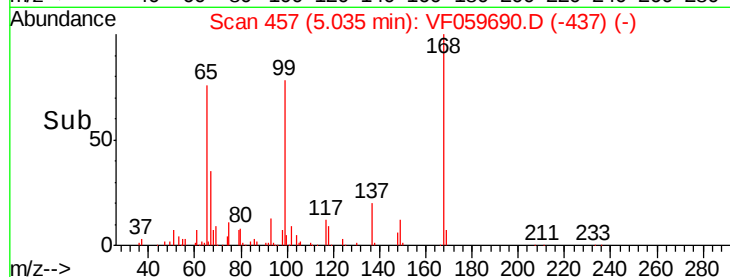
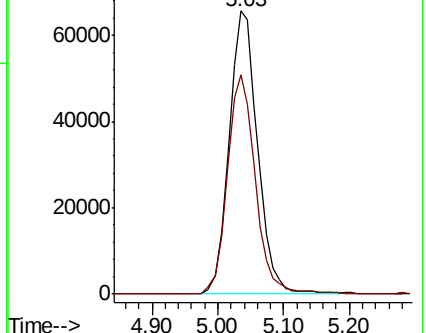
168 100

99 77.5 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 74.117 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059690.D

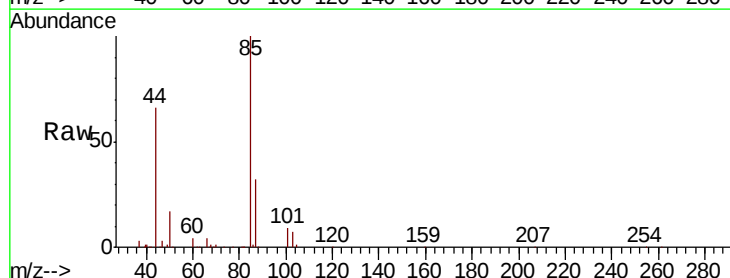
Acq: 30 Jul 2018 15:57

Tgt Ion: 85 Resp: 152259

Ion Ratio Lower Upper

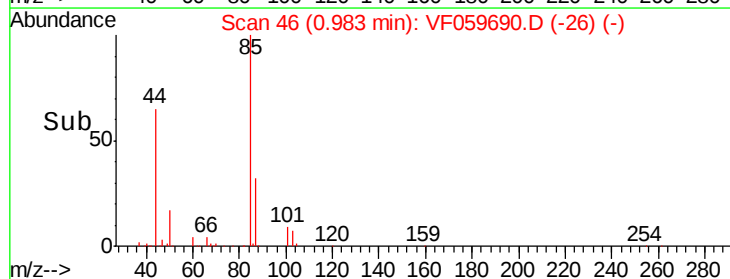
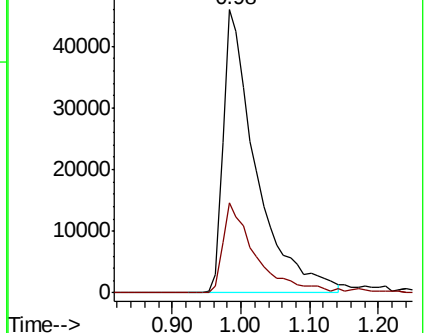
85 100

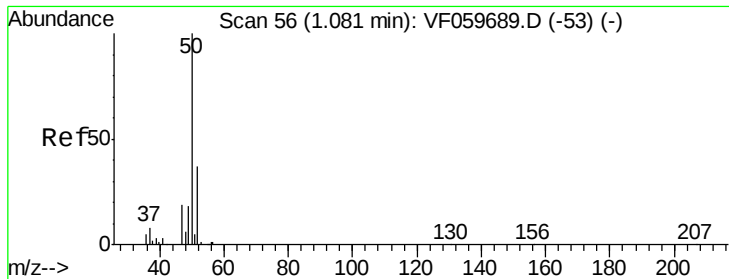
87 32.1 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 66.170 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

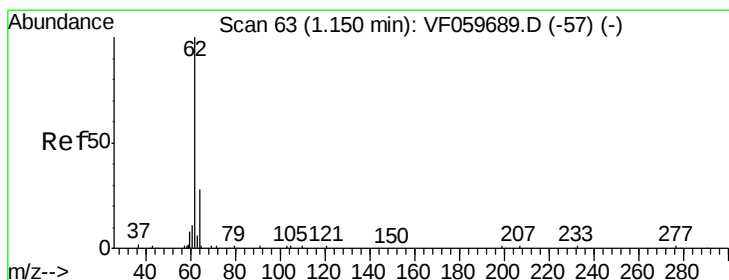
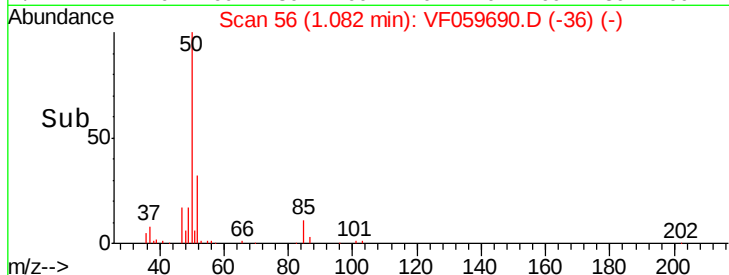
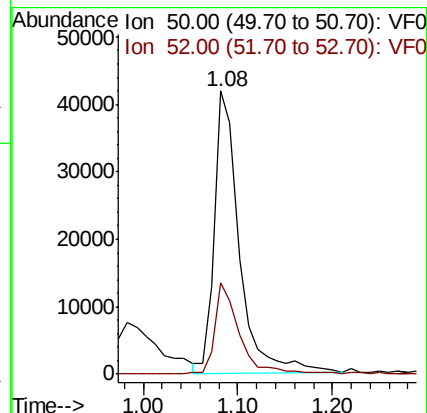
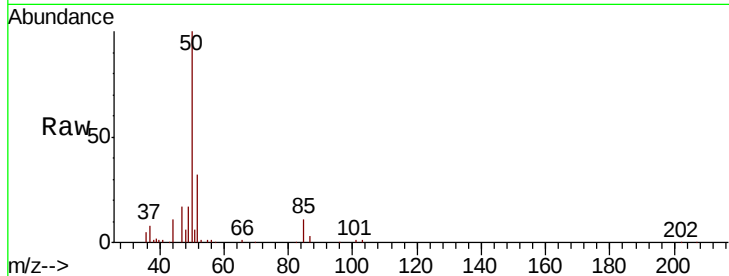
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 76848

Ion Ratio Lower Upper

50 100

52 32.3 29.1 43.7



#4

Vinyl Chloride

Concen: 69.846 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059690.D

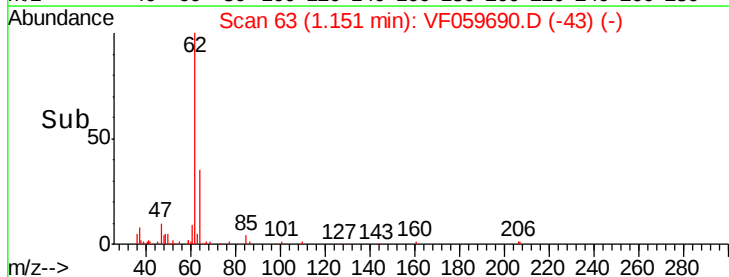
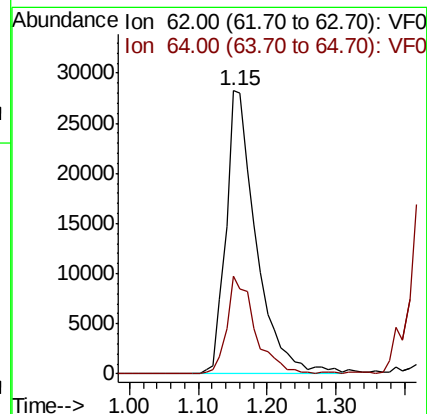
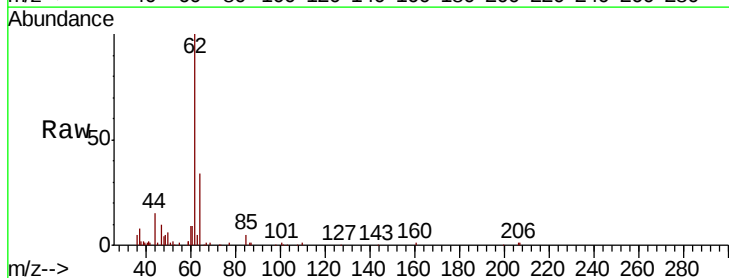
Acq: 30 Jul 2018 15:57

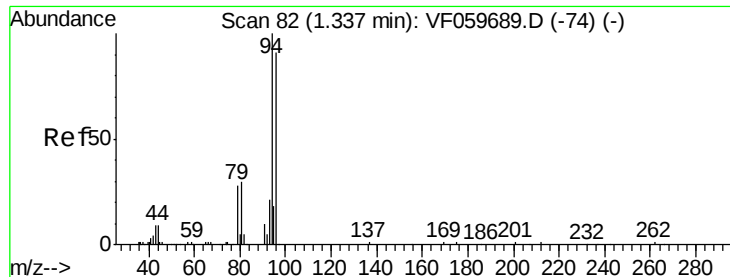
Tgt Ion: 62 Resp: 85871

Ion Ratio Lower Upper

62 100

64 34.5 22.6 33.8#





#5

Bromomethane

Concen: 65.684 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

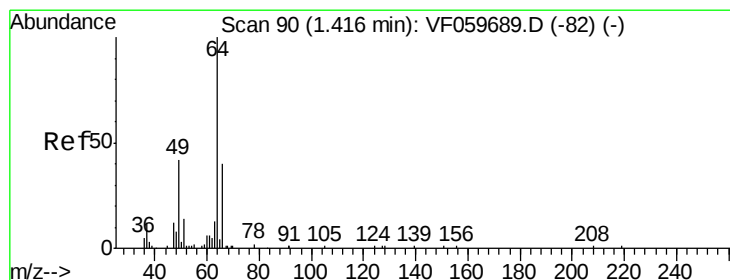
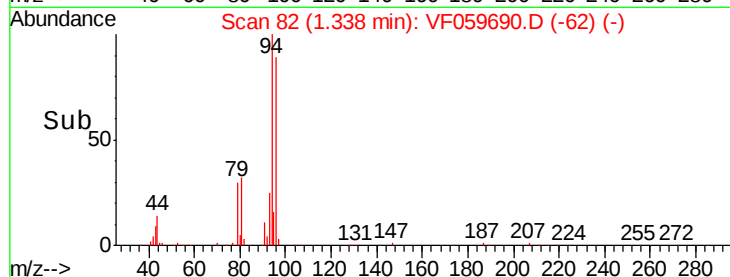
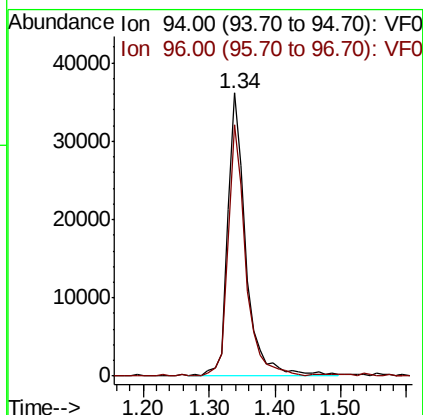
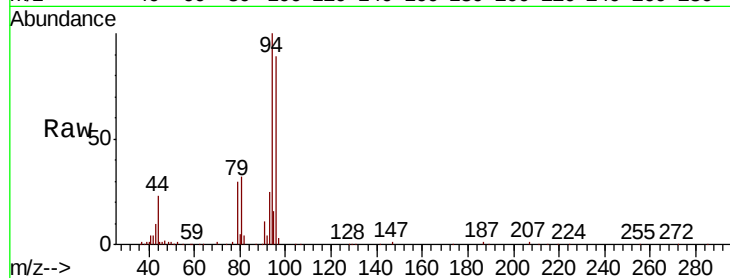
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 70293

Ion Ratio Lower Upper

94 100

96 88.8 73.6 110.4



#6

Chloroethane

Concen: 67.937 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.01 min

Lab File: VF059690.D

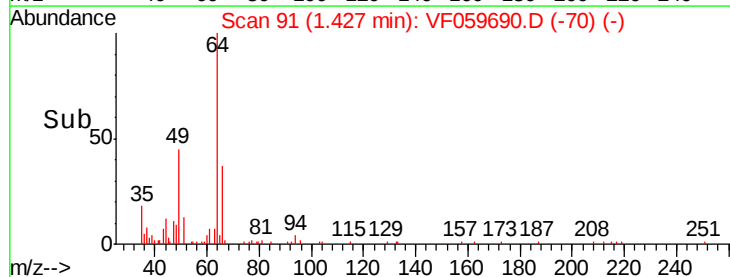
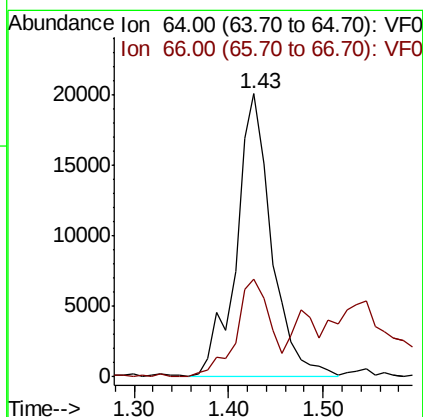
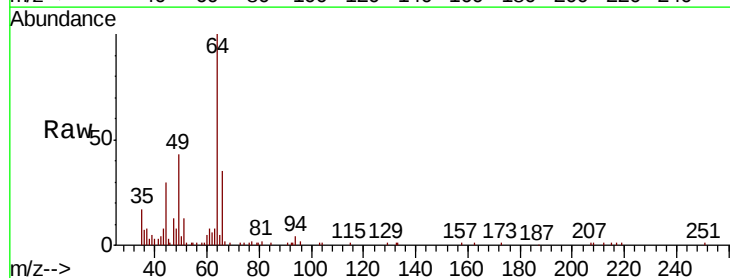
Acq: 30 Jul 2018 15:57

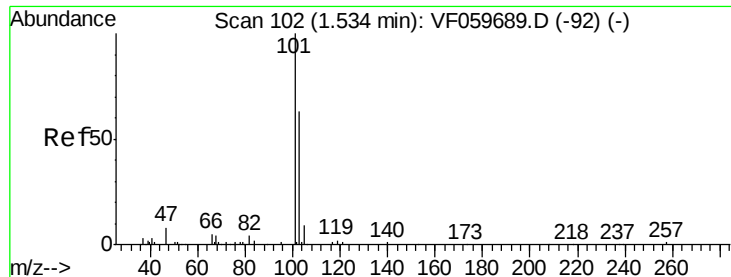
Tgt Ion: 64 Resp: 52110

Ion Ratio Lower Upper

64 100

66 34.7 32.6 49.0



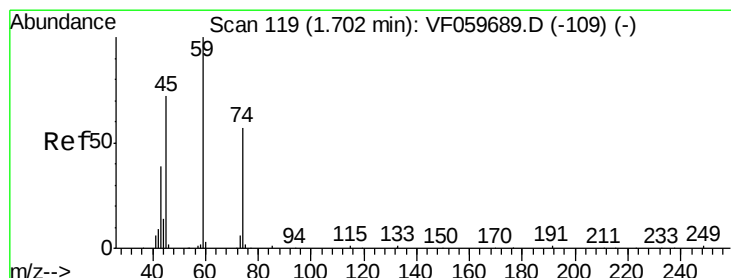
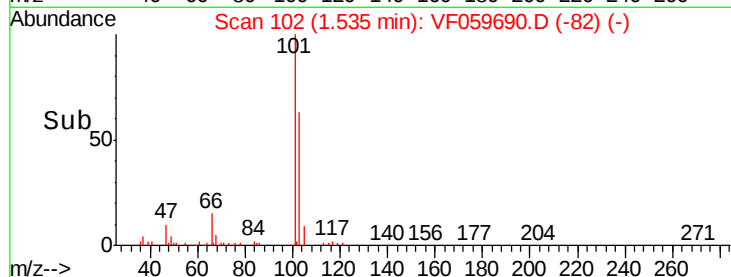
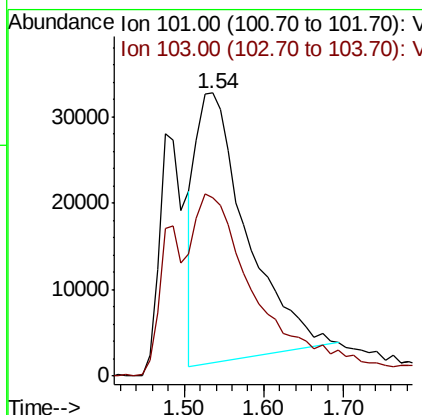
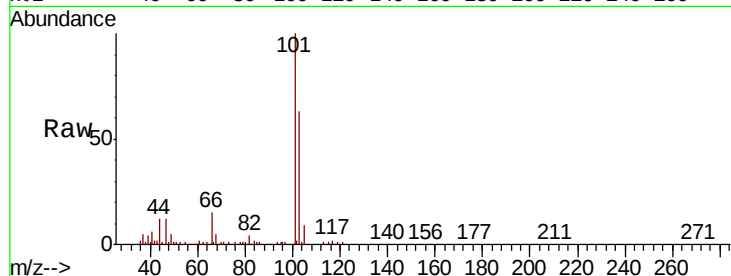


#7

Trichlorofluoromethane
Concen: 37.417 ug/l
RT: 1.54 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Instrument :
MSVOA_F
ClientSampleId :

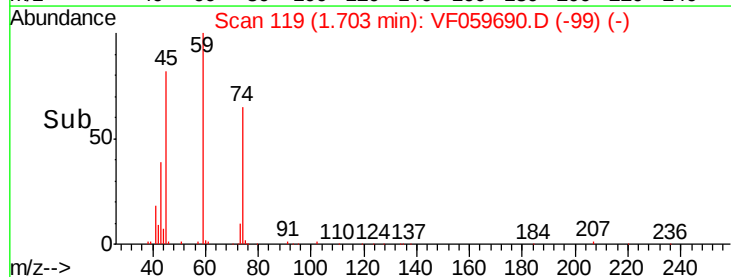
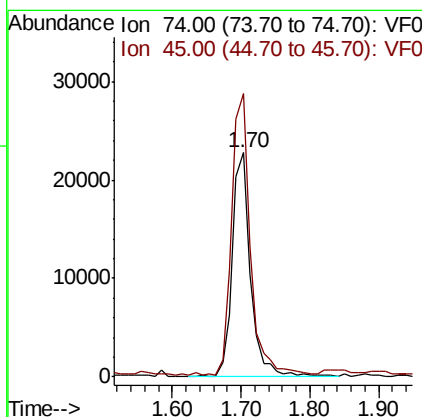
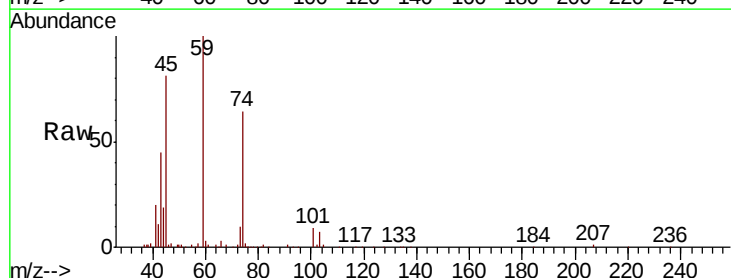
Tot Ion:101 Resp: 138332
Ion Ratio Lower Upper
101 100
103 63.2 50.8 76.2

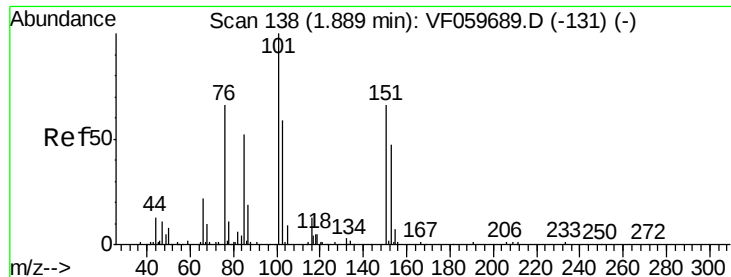


#8

Diethyl Ether
Concen: 79.995 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion: 74 Resp: 41896
Ion Ratio Lower Upper
74 100
45 126.2 62.7 188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 64.888 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

ClientSampleId :

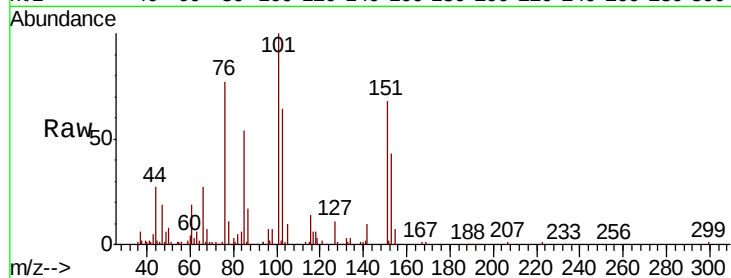
Tot Ion:101 Resp: 127537

Ion Ratio Lower Upper

101 100

85 54.1 40.7 61.1

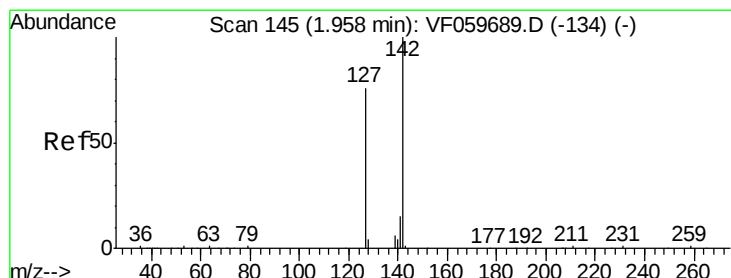
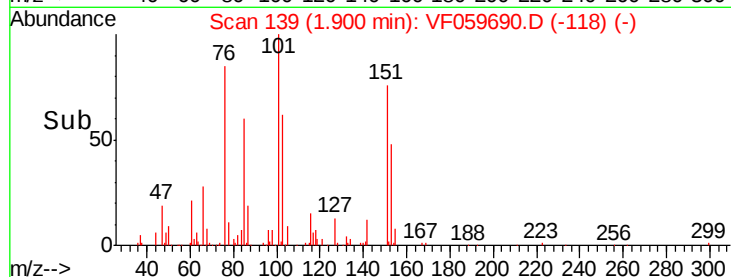
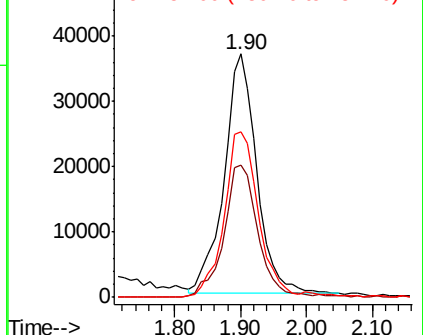
151 67.9 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 67.265 ug/l

RT: 1.97 min Scan# 146

Delta R.T. 0.01 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

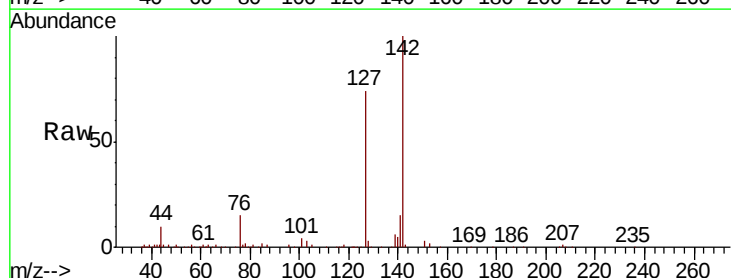
Tgt Ion:142 Resp: 193503

Ion Ratio Lower Upper

142 100

127 73.8 60.6 91.0

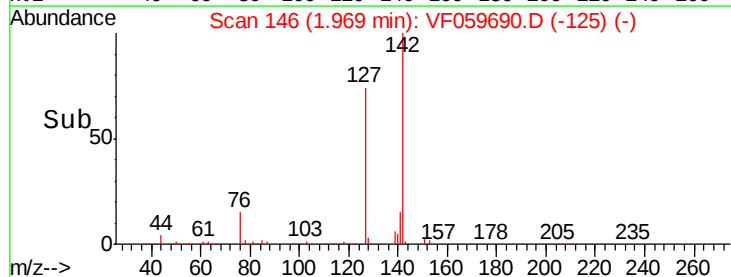
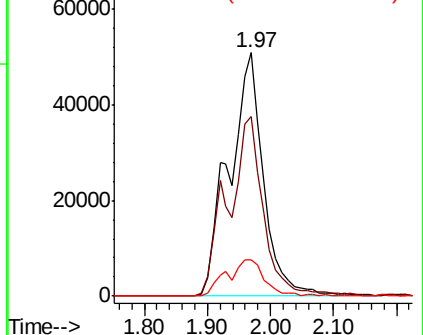
141 14.8 12.0 18.0

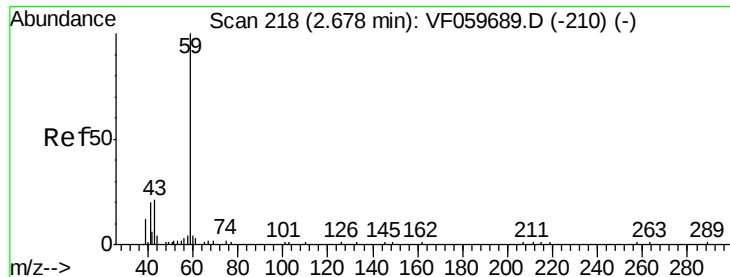


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

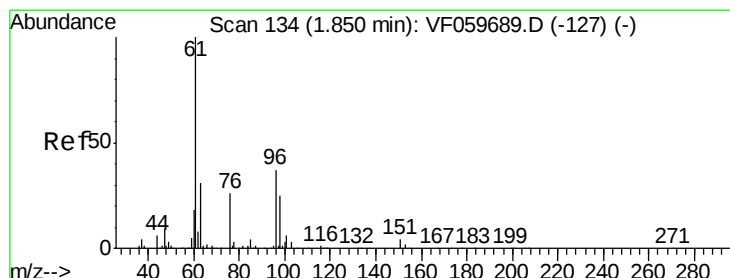
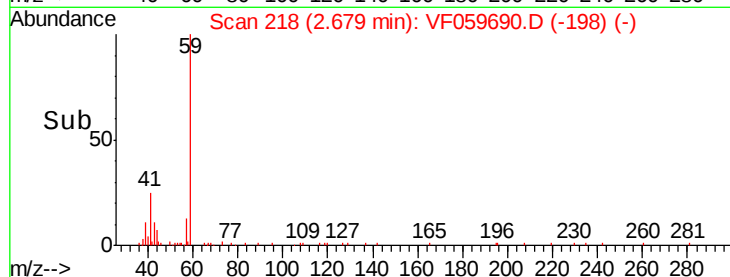
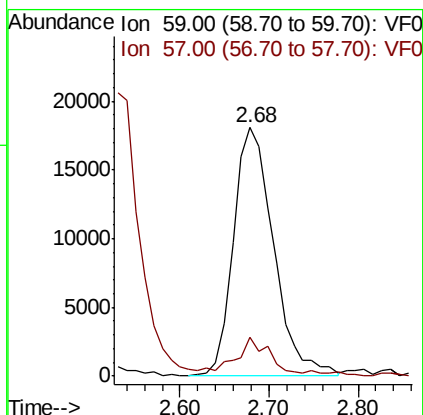
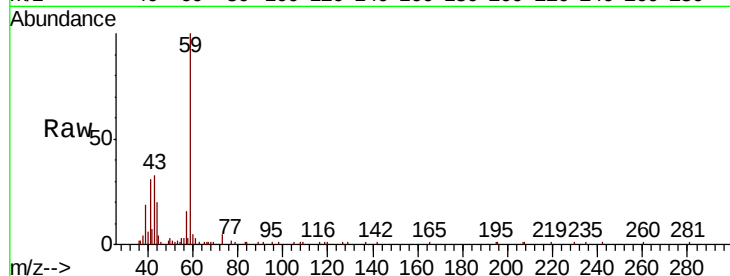




#11
Tert butyl alcohol
Concen: 423.044 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

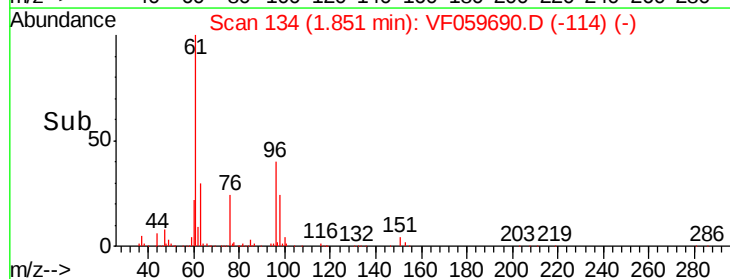
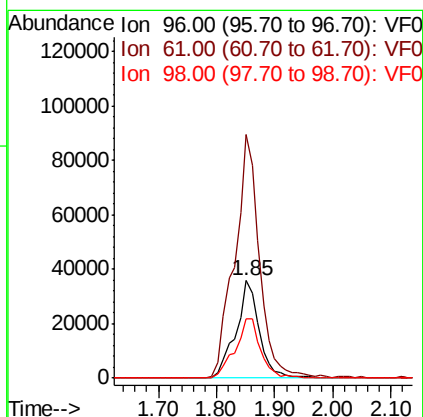
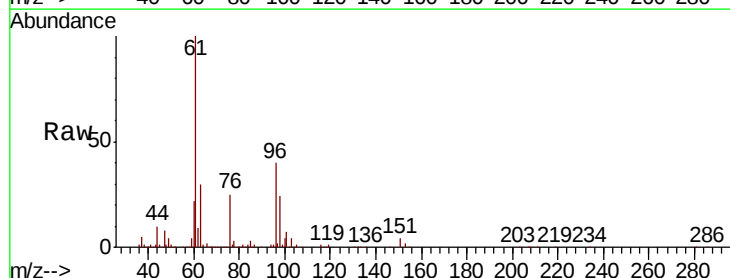
Instrument :
MSVOA_F
ClientSampleId :

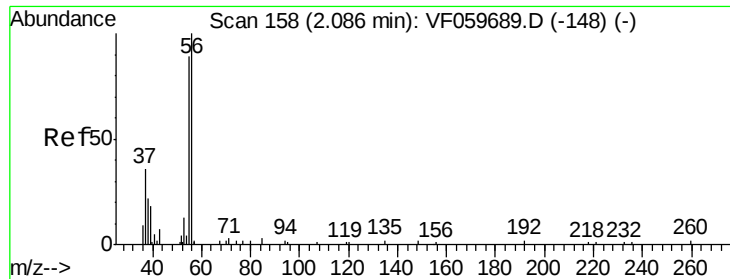
Tot Ion: 59 Resp: 56747
Ion Ratio Lower Upper
59 100
57 15.7 7.6 11.4#



#12
1,1-Dichloroethene
Concen: 69.523 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion: 96 Resp: 101098
Ion Ratio Lower Upper
96 100
61 249.9 215.1 322.7
98 60.8 54.3 81.5





#13

Acrolein

Concen: 473.309 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

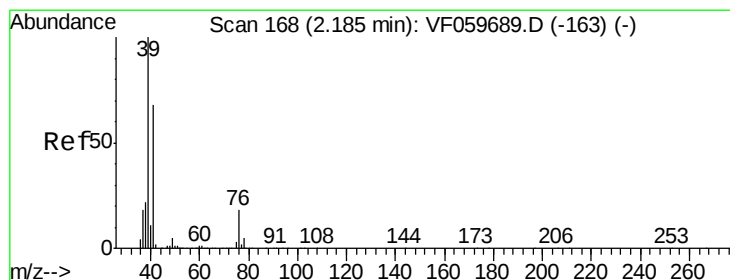
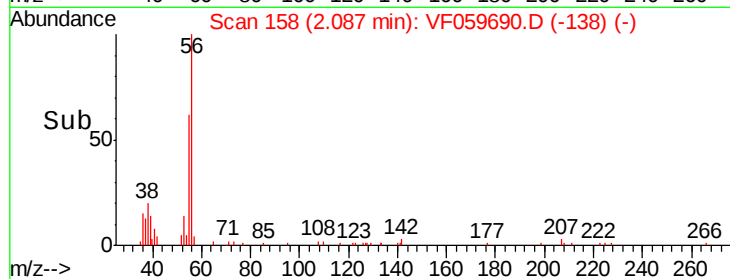
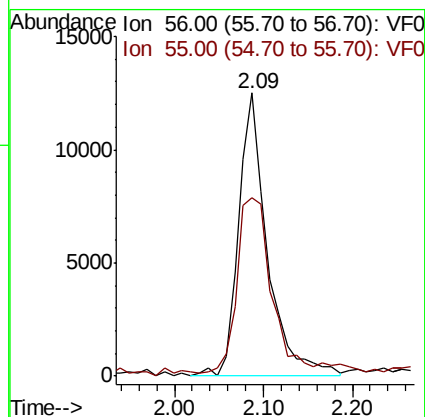
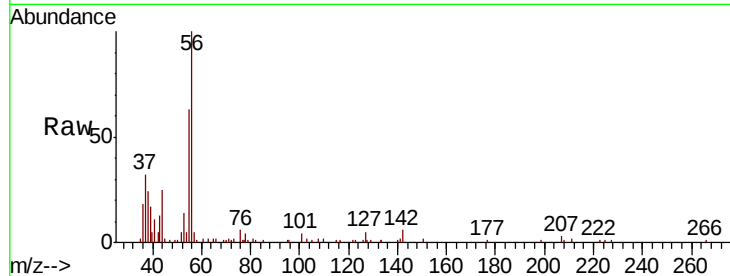
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 28100

Ion Ratio Lower Upper

56 100

55 63.0 73.2 109.8#



#14

Allyl chloride

Concen: 67.053 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

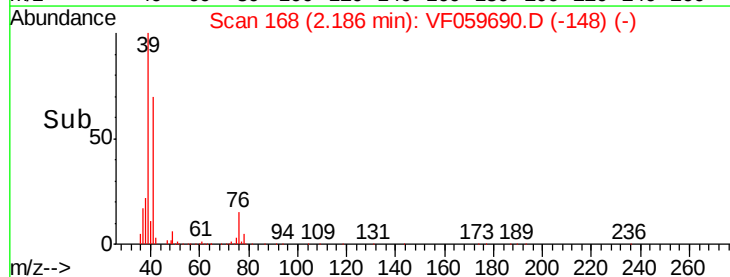
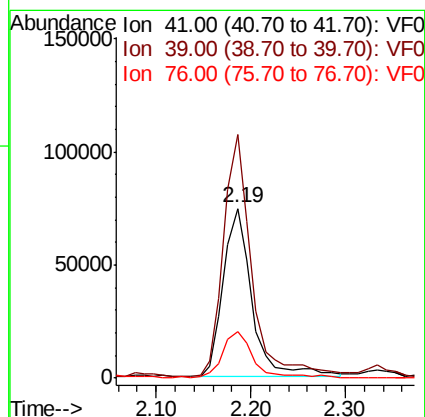
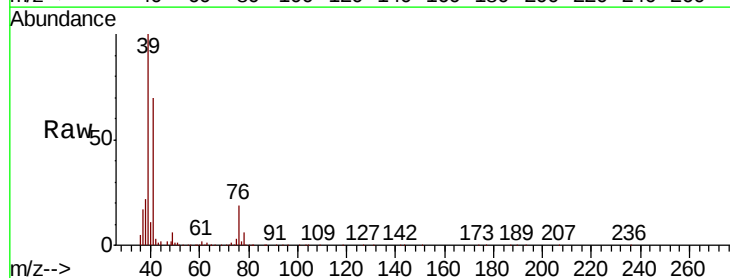
Tgt Ion: 41 Resp: 159496

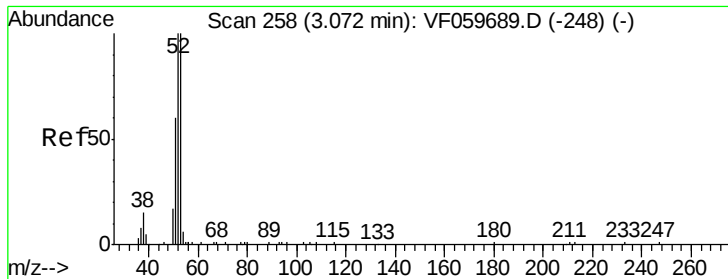
Ion Ratio Lower Upper

41 100

39 143.6 118.1 177.1

76 27.2 22.0 33.0





#15

Acrylonitrile

Concen: 383.046 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

ClientSampleId :

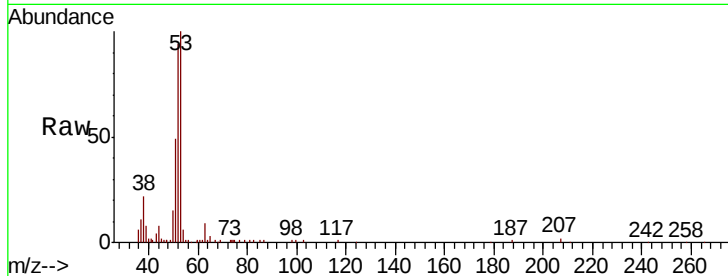
Tot Ion: 53 Resp: 78321

Ion Ratio Lower Upper

53 100

52 94.2 80.3 120.5

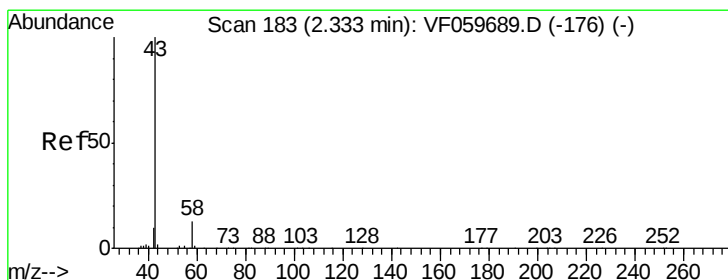
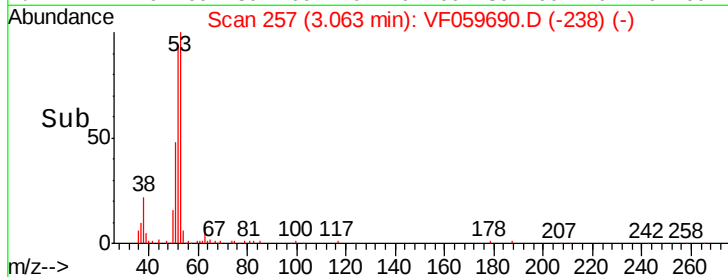
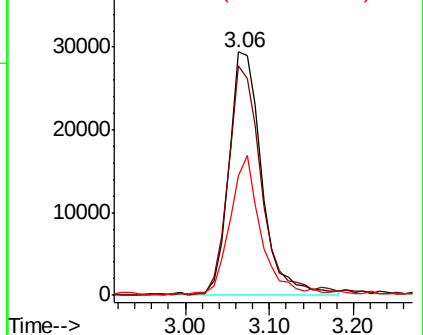
51 48.8 49.4 74.0#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 392.488 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059690.D

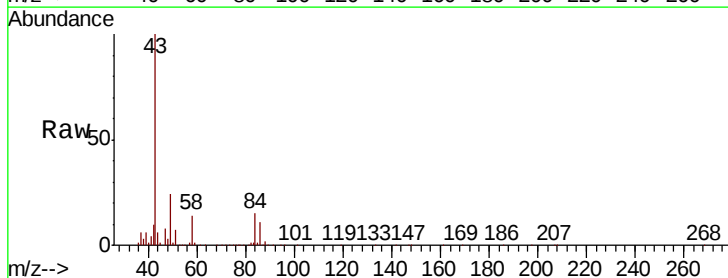
Acq: 30 Jul 2018 15:57

Tgt Ion: 43 Resp: 223458

Ion Ratio Lower Upper

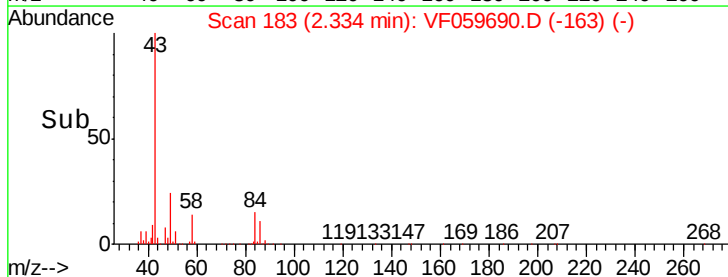
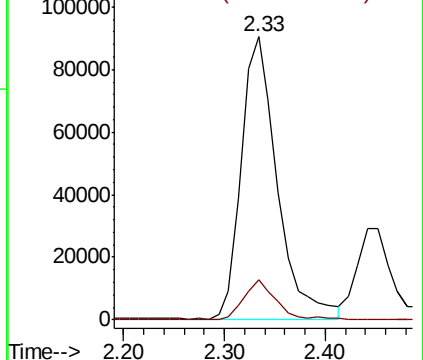
43 100

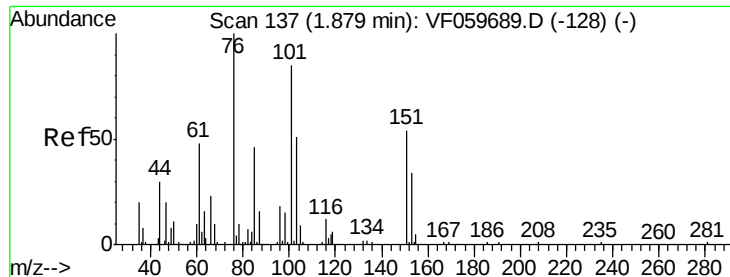
58 14.3 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

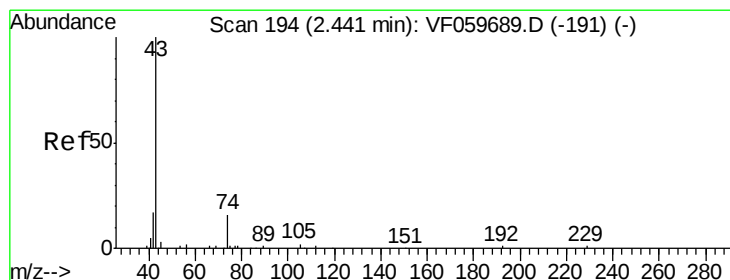
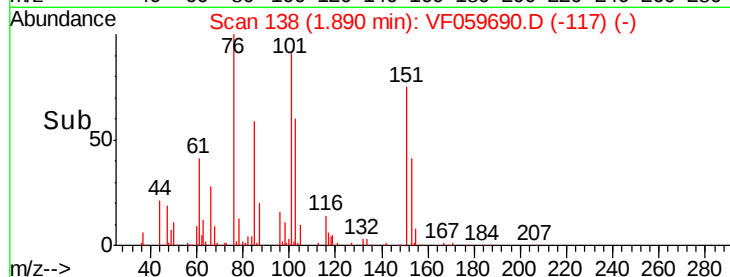
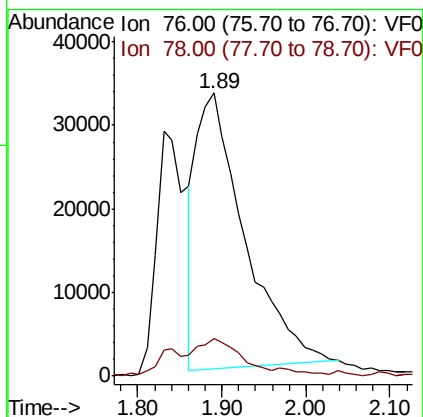
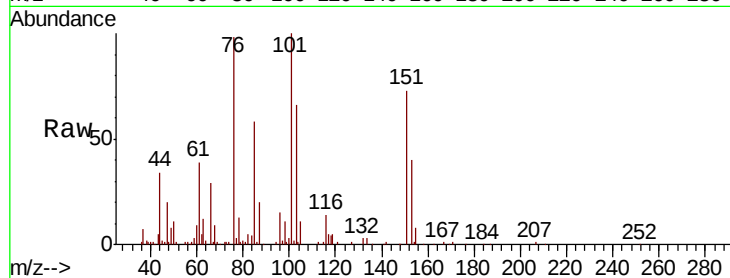




#17
Carbon Disulfide
Concen: 37.041 ug/l
RT: 1.89 min Scan# 138
Delta R.T. 0.01 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

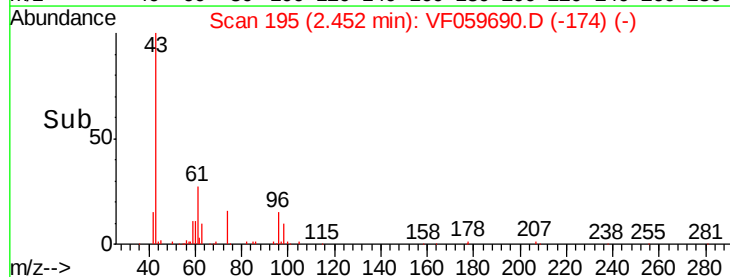
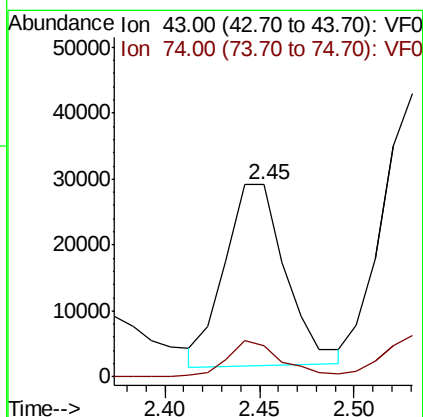
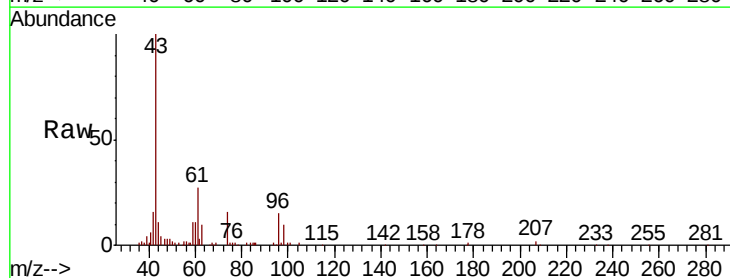
Instrument :
MSVOA_F
ClientSampleId :

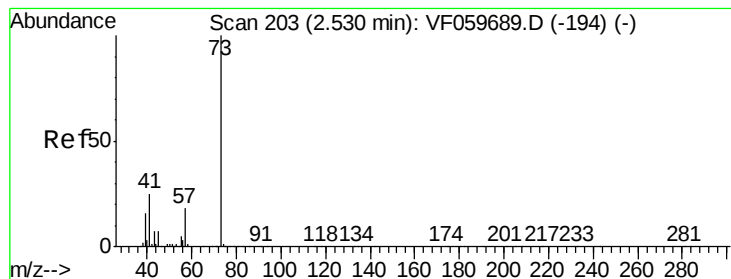
Tot Ion: 76 Resp: 130933
Ion Ratio Lower Upper
76 100
78 13.3 8.9 13.3



#18
Methyl Acetate
Concen: 64.997 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion: 43 Resp: 61945
Ion Ratio Lower Upper
43 100
74 16.0 11.8 17.6



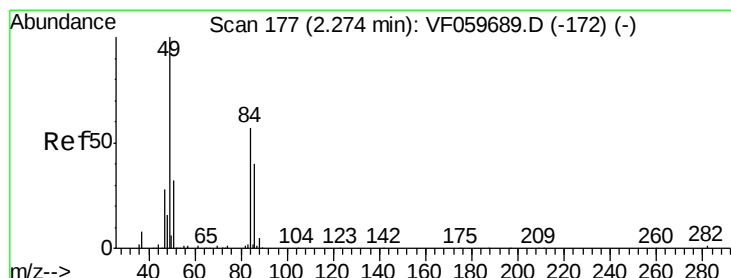
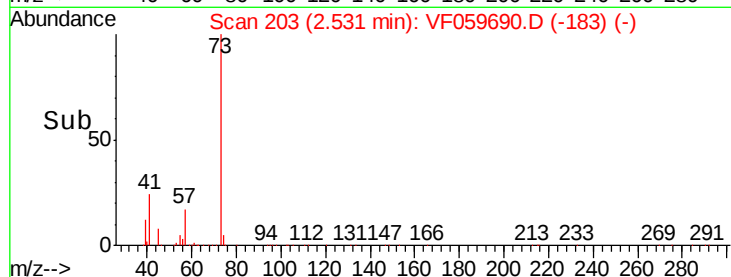
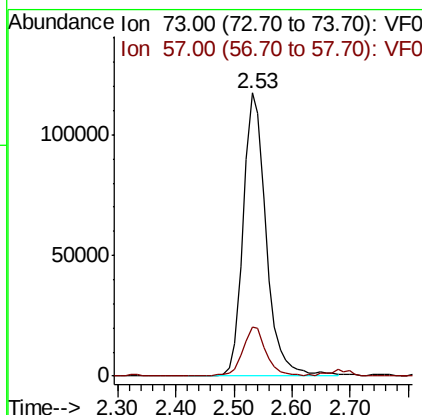
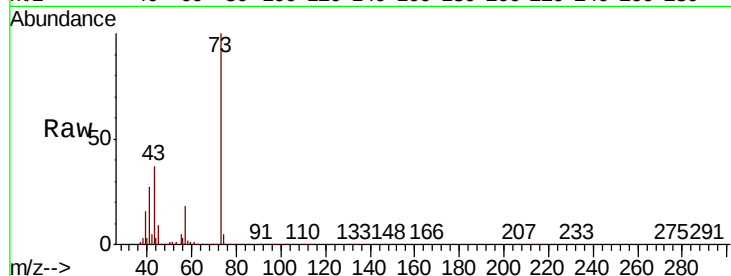


#19

Methyl tert-butyl Ether
 Concen: 79.656 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Instrument :
 MSVOA_F
 ClientSampleId :

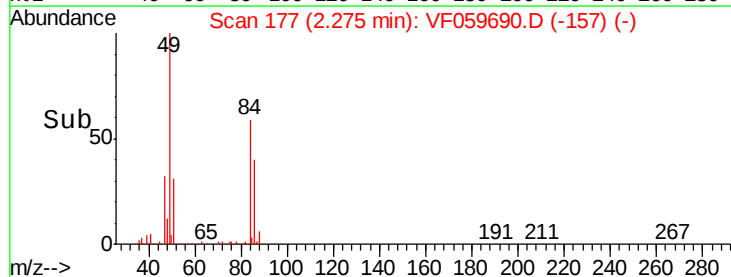
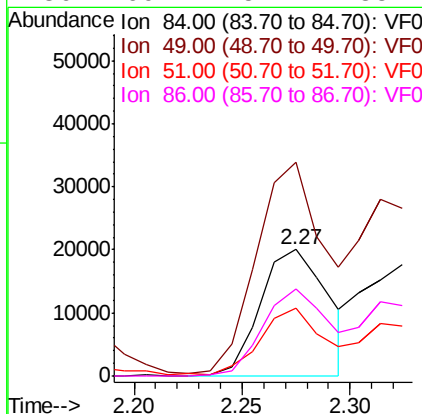
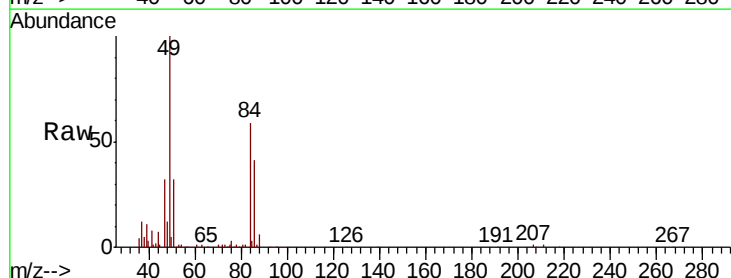
Tot Ion: 73 Resp: 323701
 Ion Ratio Lower Upper
 73 100
 57 17.6 14.2 21.2

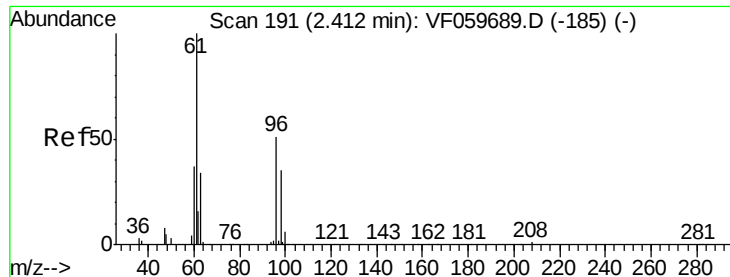


#20

Methylene Chloride
 Concen: 20.713 ug/l
 RT: 2.27 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Tgt Ion: 84 Resp: 43429
 Ion Ratio Lower Upper
 84 100
 49 169.4 142.2 213.4
 51 53.8 46.2 69.2
 86 69.1 57.1 85.7





#21

trans-1,2-Dichloroethene

Concen: 61.872 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :
MSVOA_F
ClientSampled :

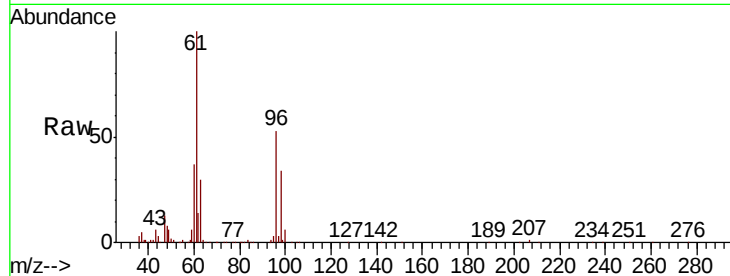
Tot Ion: 96 Resp: 92281

Ion Ratio Lower Upper

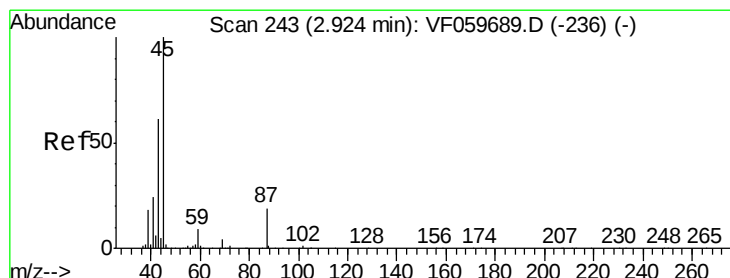
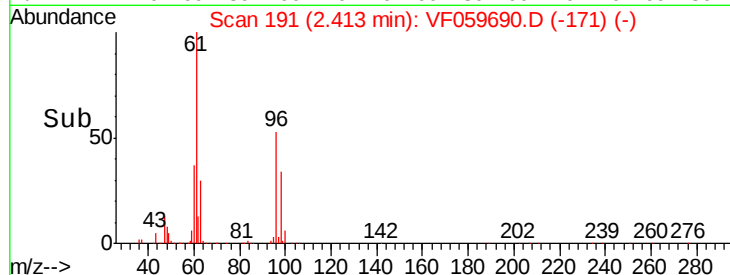
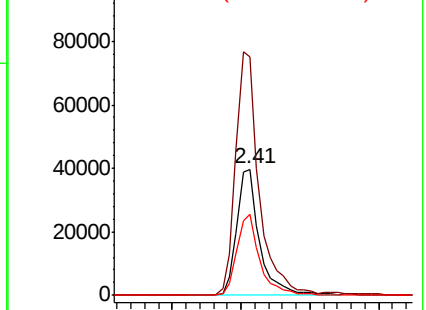
96 100

61 189.5 157.4 236.0

98 64.0 55.0 82.4



Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 71.949 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Tgt Ion: 45 Resp: 342095

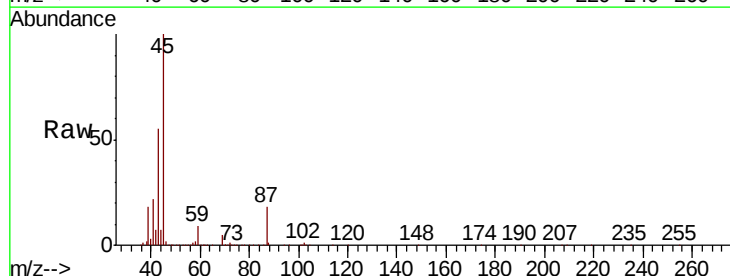
Ion Ratio Lower Upper

45 100

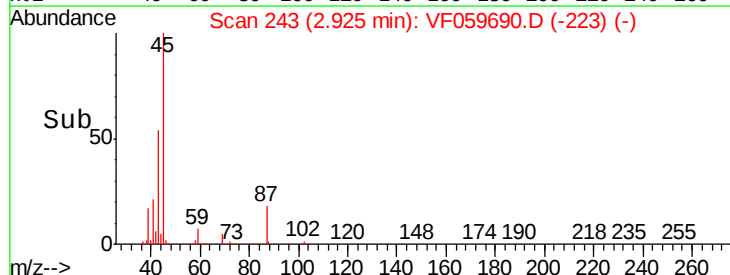
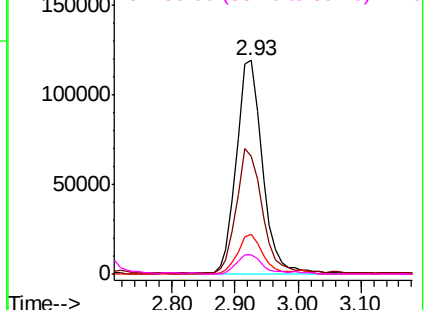
43 55.2 49.3 73.9

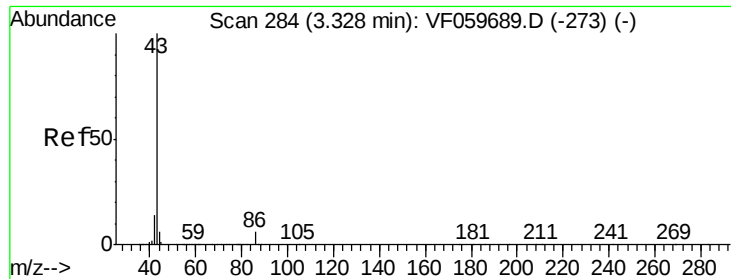
87 18.4 15.3 22.9

59 9.1 7.1 10.7



Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 392.485 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

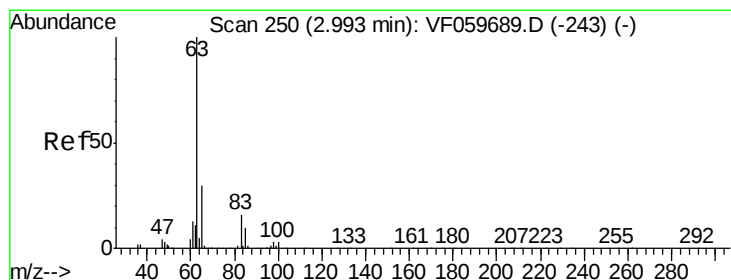
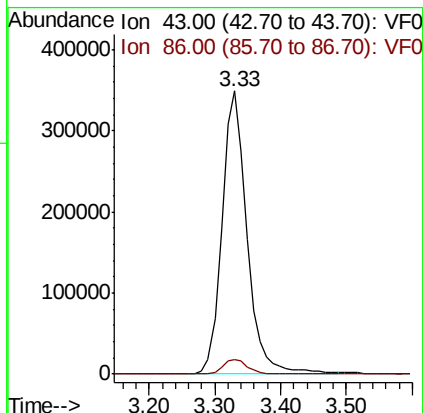
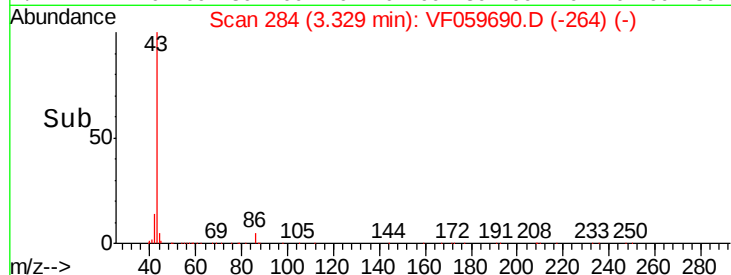
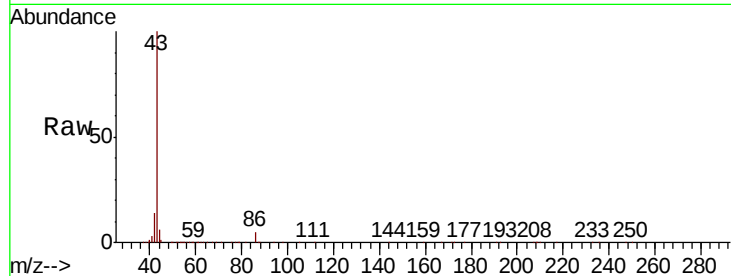
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 925128

Ion Ratio Lower Upper

43 100

86 5.2 4.6 6.8



#24

1,1-Dichloroethane

Concen: 70.526 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

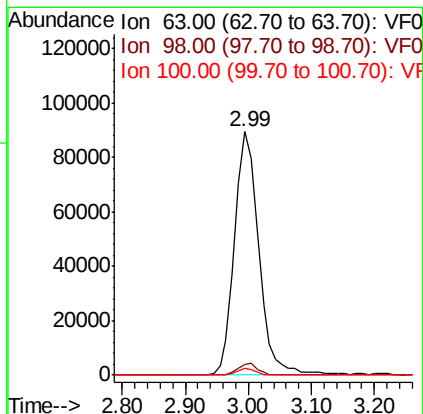
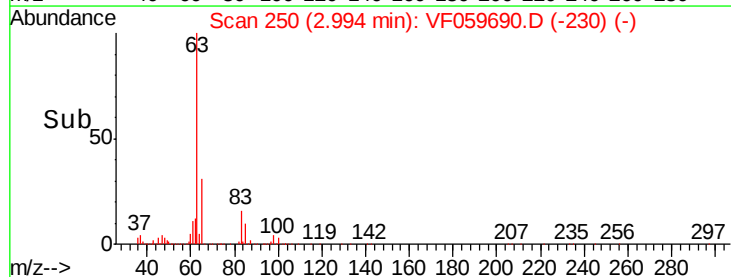
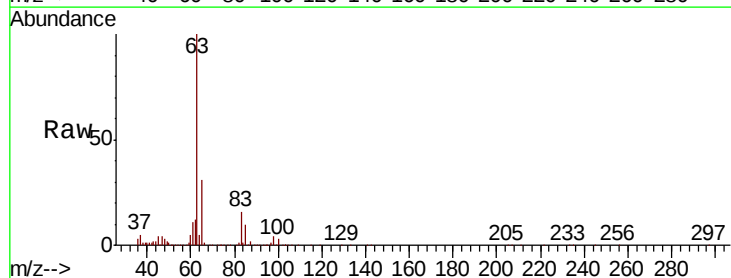
Tgt Ion: 63 Resp: 238587

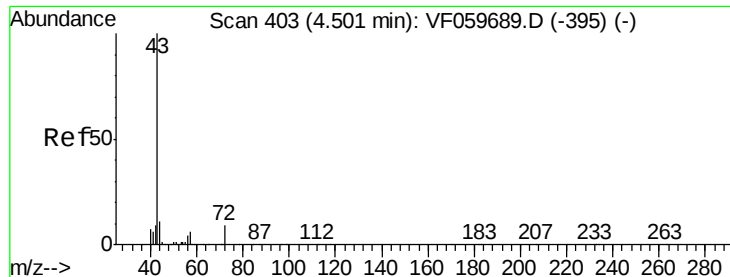
Ion Ratio Lower Upper

63 100

98 4.1 1.4 4.2

100 2.8 1.6 4.7





#25

2-Butanone

Concen: 347.906 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

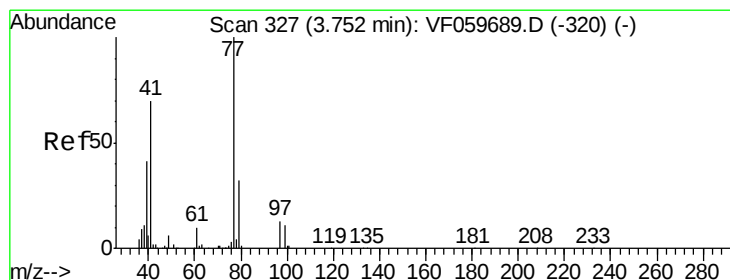
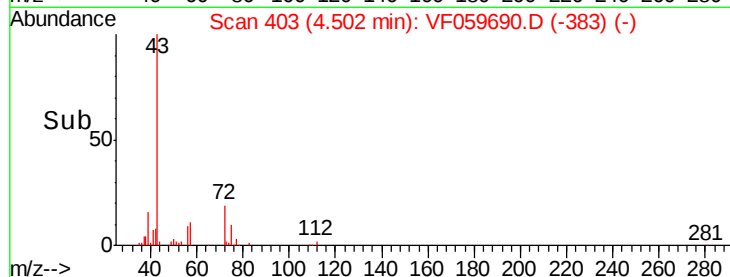
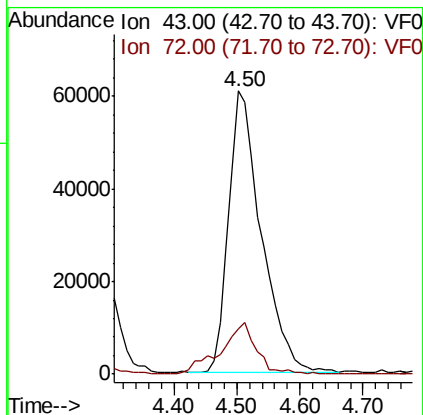
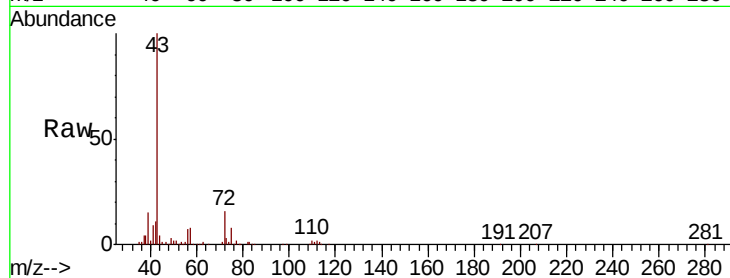
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 218240

Ion Ratio Lower Upper

43 100

72 16.0 7.7 11.5#



#26

2,2-Dichloropropane

Concen: 60.994 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059690.D

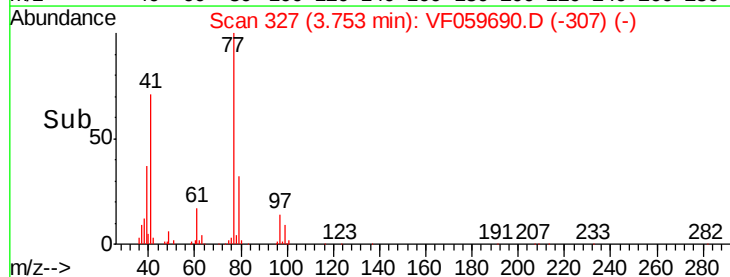
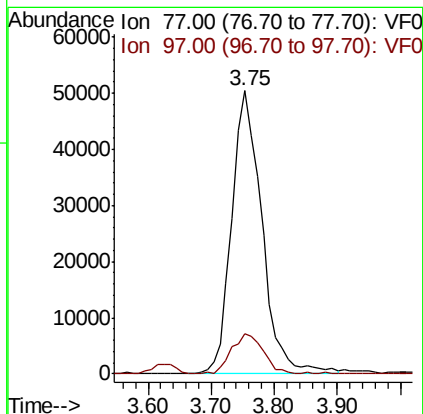
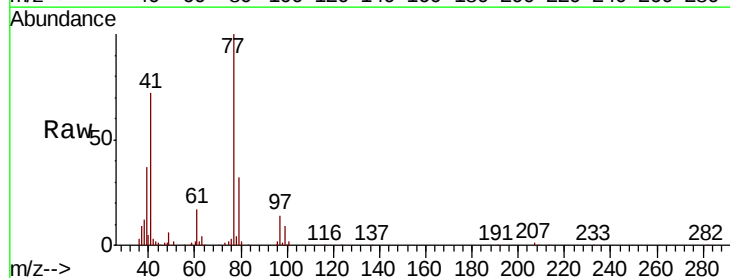
Acq: 30 Jul 2018 15:57

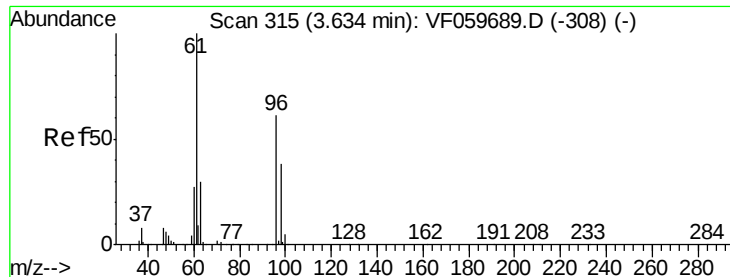
Tgt Ion: 77 Resp: 167846

Ion Ratio Lower Upper

77 100

97 14.3 6.8 20.4



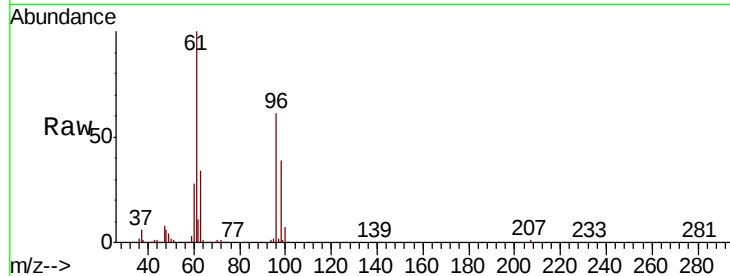


#27

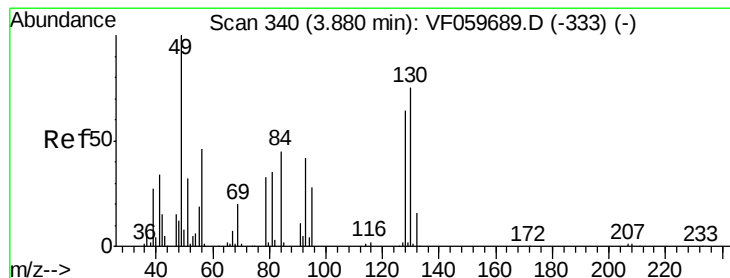
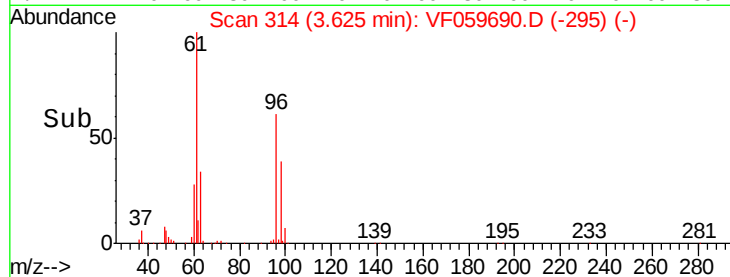
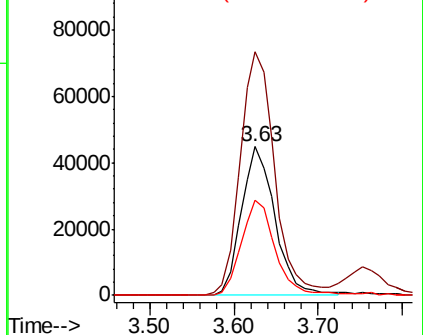
cis-1,2-Dichloroethene
 Concen: 71.498 ug/l
 RT: 3.63 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.7	0.0	326.8
98	64.3	0.0	125.2



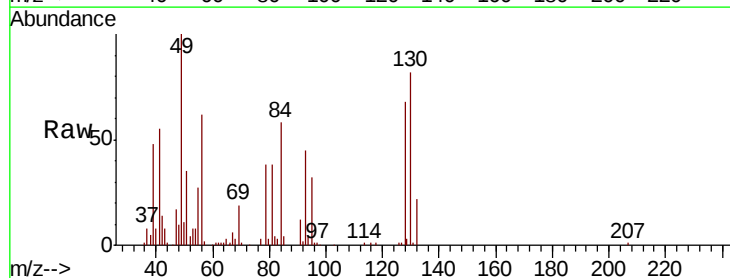
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



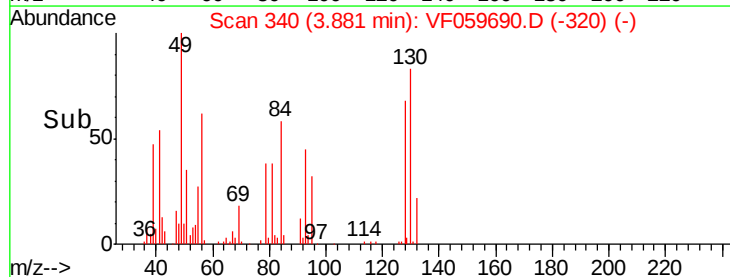
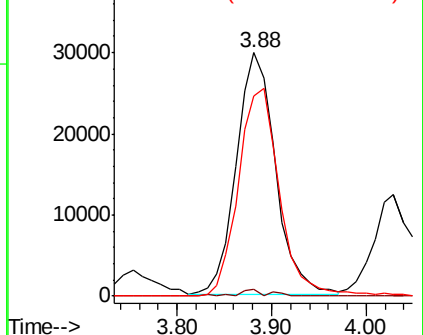
#28

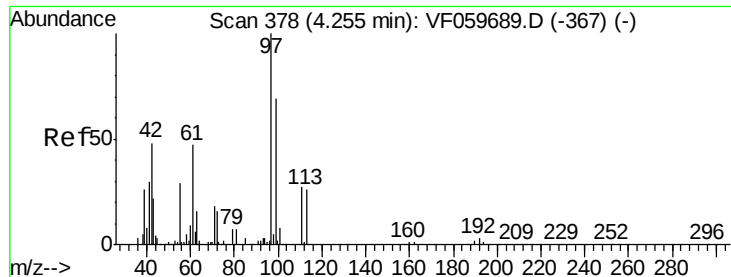
Bromochloromethane
 Concen: 68.312 ug/l
 RT: 3.88 min Scan# 340
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	82.3	59.6	89.4



Abundance Ion 49.00 (48.70 to 49.70): VF0
 Ion 129.00 (128.70 to 129.70): V
 Ion 130.00 (129.70 to 130.70): V

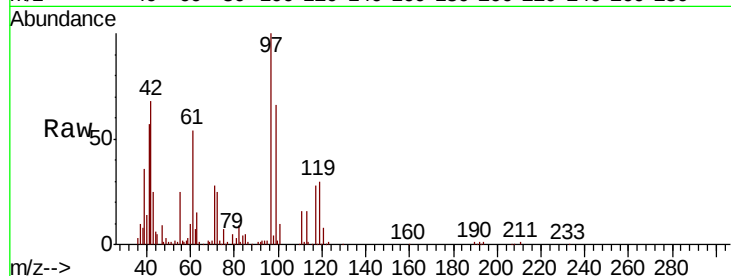




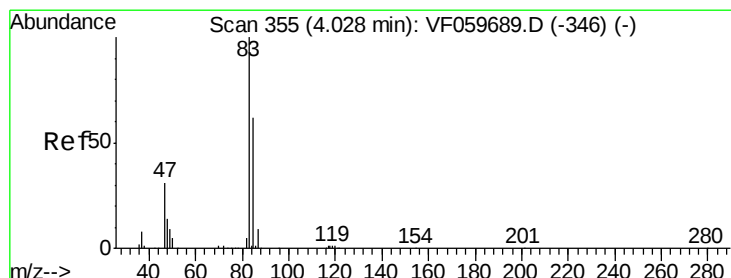
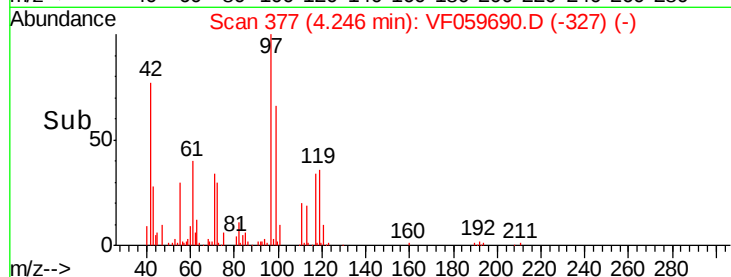
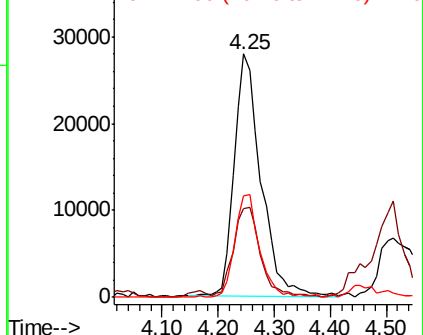
#29
Tetrahydrofuran
Concen: 367.146 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 42 Resp: 92440
Ion Ratio Lower Upper
42 100
72 38.1 27.0 40.6
71 39.3 29.7 44.5

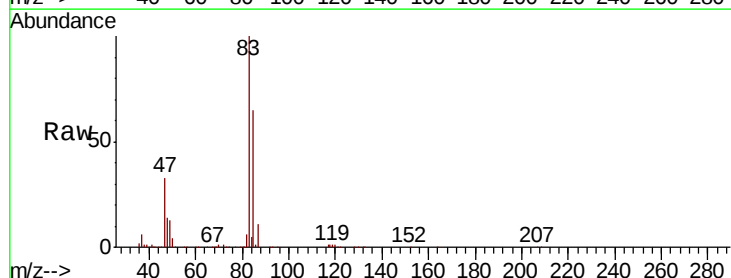


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

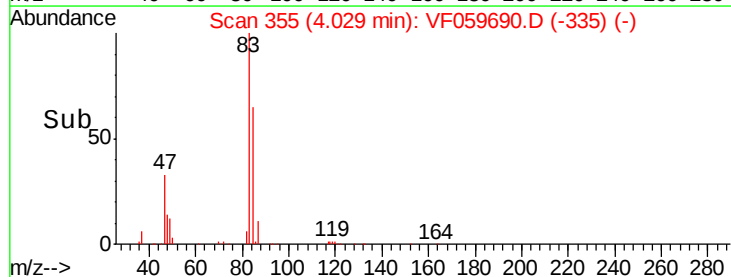
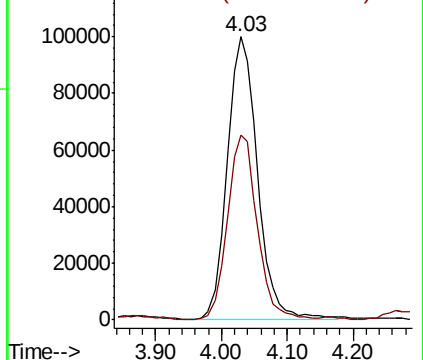


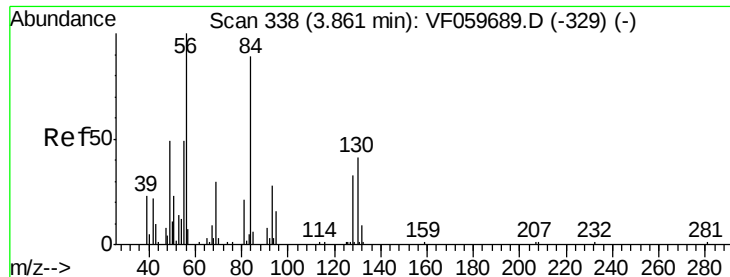
#30
Chloroform
Concen: 67.299 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion: 83 Resp: 321609
Ion Ratio Lower Upper
83 100
85 65.3 49.4 74.0



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0

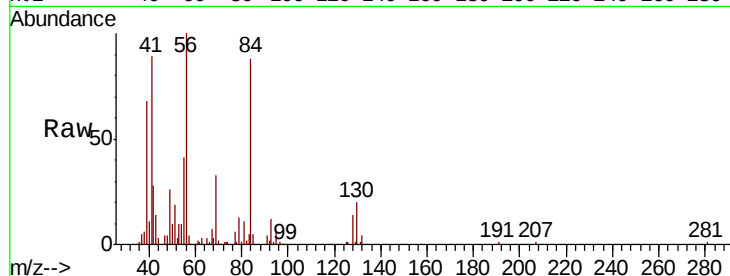




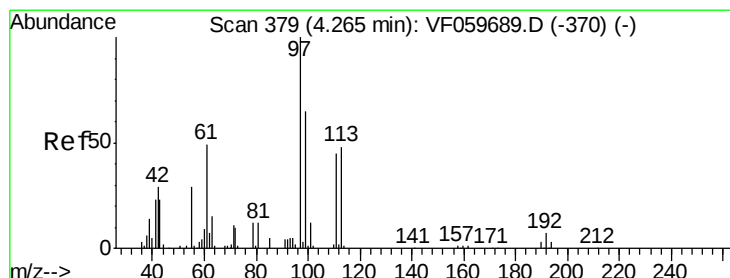
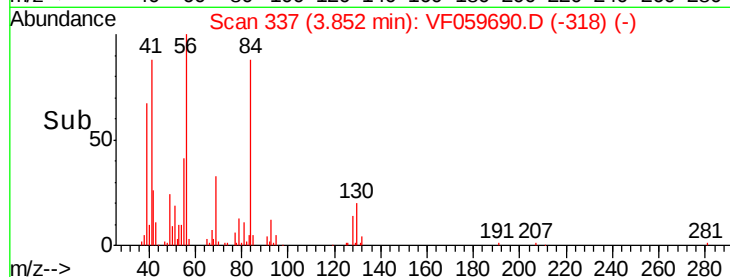
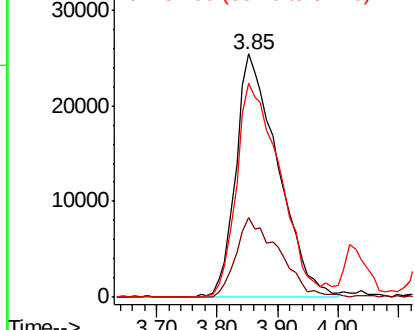
#31
Cyclohexane
Concen: 63.294 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 123030
Ion Ratio Lower Upper
56 100
69 32.7 23.7 35.5
84 88.1 71.1 106.7

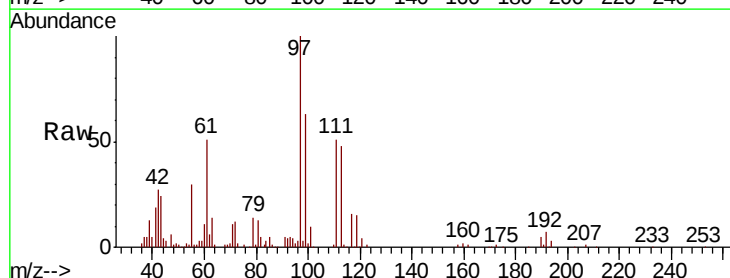


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

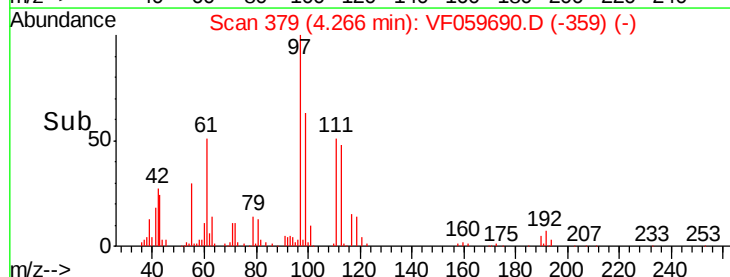
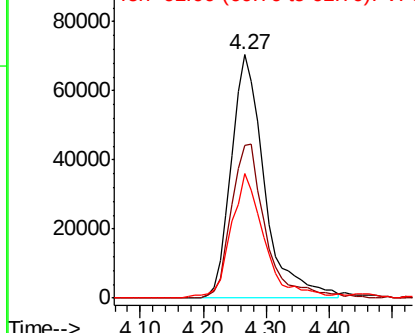


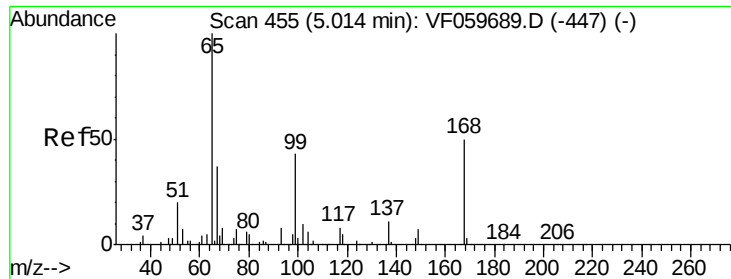
#32
1,1,1-Trichloroethane
Concen: 65.814 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion: 97 Resp: 257994
Ion Ratio Lower Upper
97 100
99 62.6 52.4 78.6
61 51.3 39.7 59.5



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0

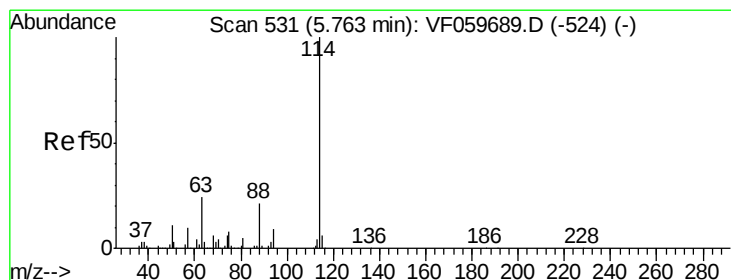
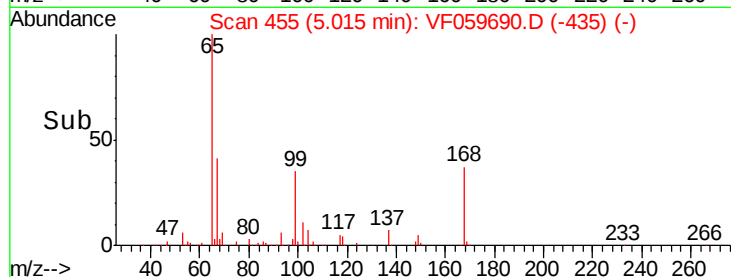
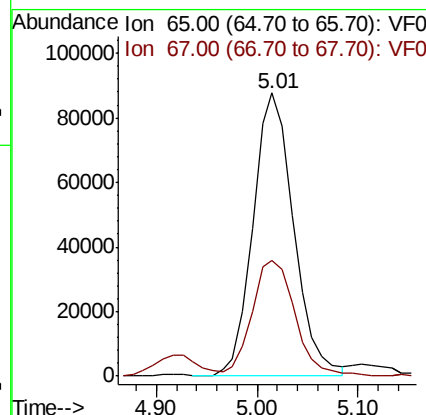
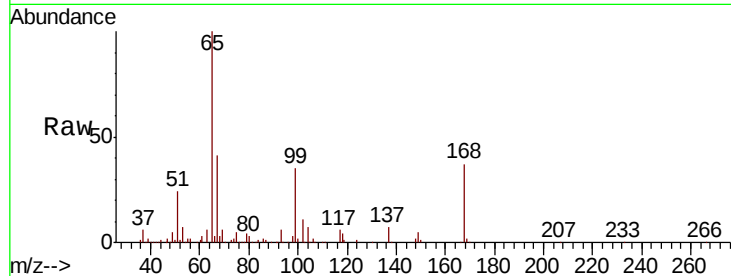




#33
 1,2-Dichloroethane-d4
 Concen: 78.380 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

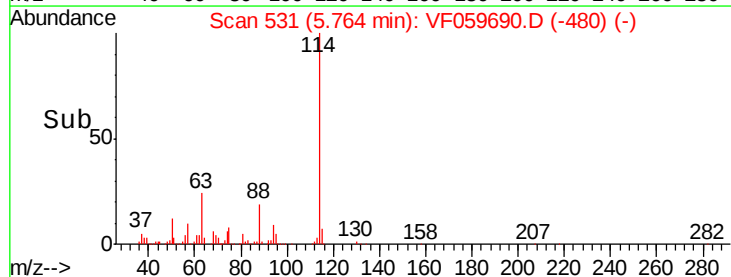
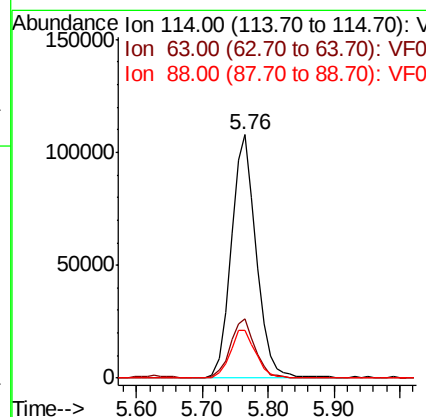
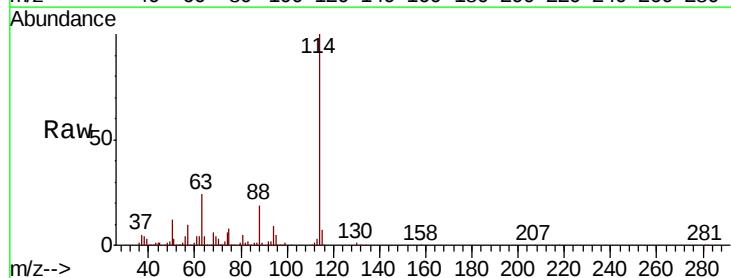
Instrument :
 MSVOA_F
 ClientSampleId :

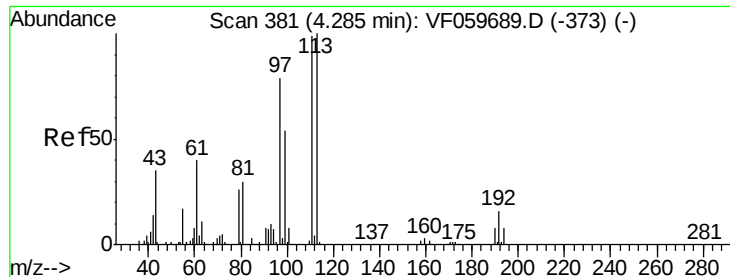
Tot Ion: 65 Resp: 244918
 Ion Ratio Lower Upper
 65 100
 67 41.1 0.0 84.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Tgt Ion: 114 Resp: 286436
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 47.4
 88 19.4 0.0 41.2

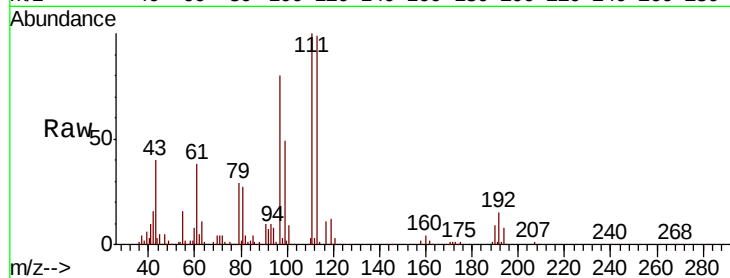




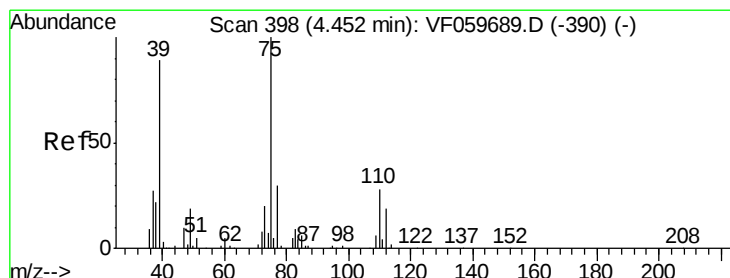
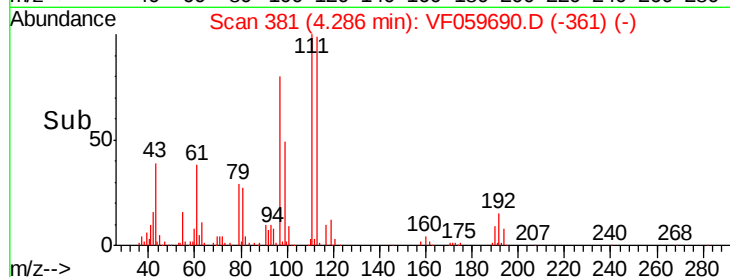
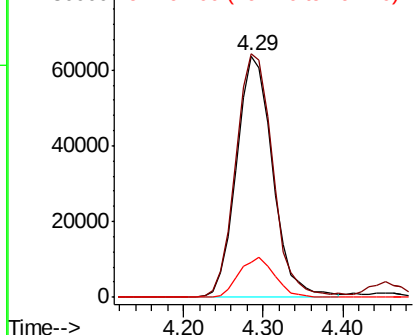
#35
 Dibromofluoromethane
 Concen: 73.024 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:113 Resp: 200184
 Ion Ratio Lower Upper
 113 100
 111 100.9 79.0 118.4
 192 14.7 13.2 19.8

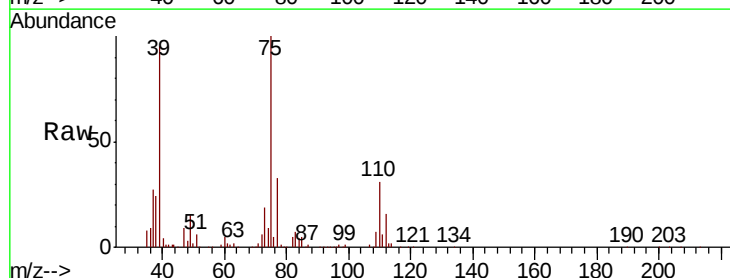


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

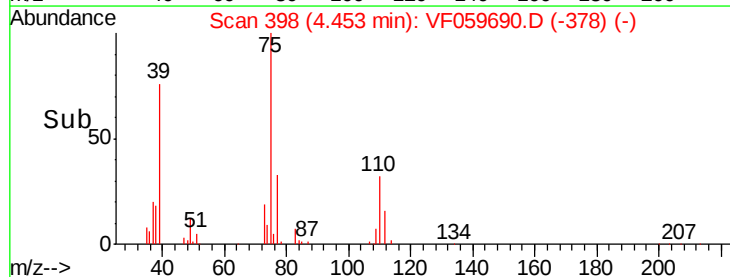
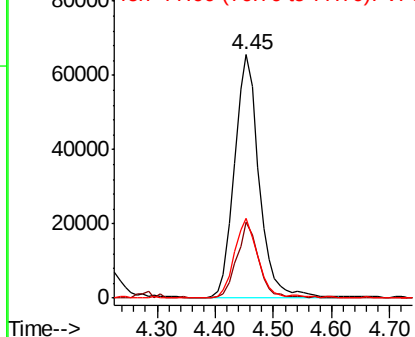


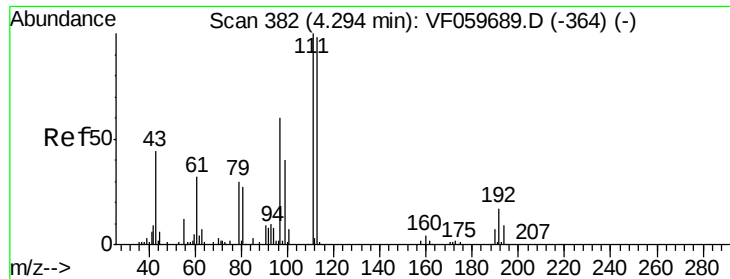
#36
 1,1-Dichloropropene
 Concen: 61.697 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Tgt Ion: 75 Resp: 191684
 Ion Ratio Lower Upper
 75 100
 110 31.0 14.0 41.9
 77 32.7 24.2 36.2



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VF0

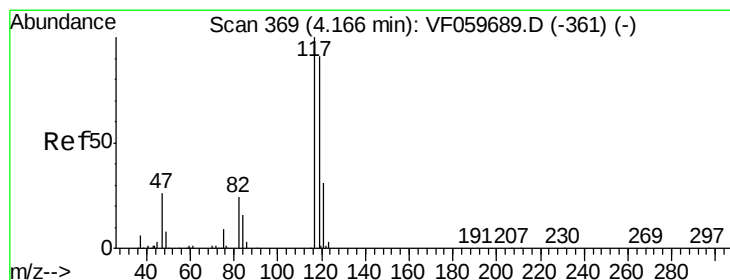
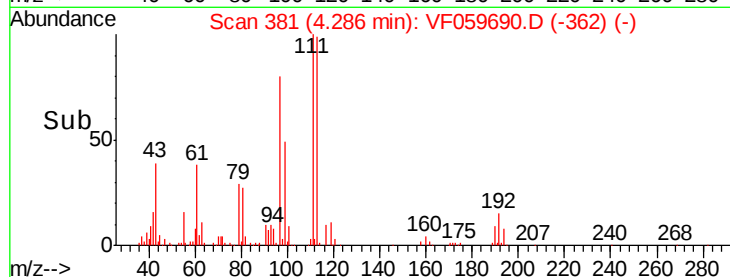
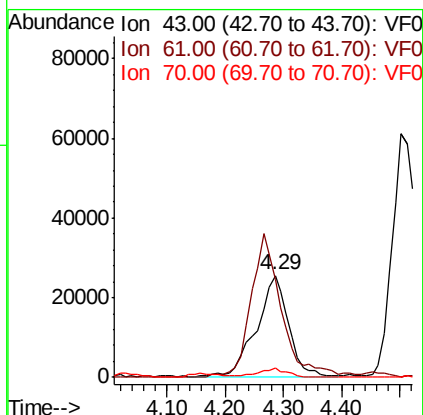
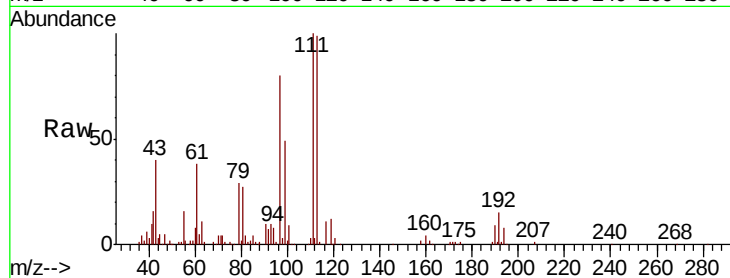




#37
Ethyl Acetate
Concen: 71.611 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

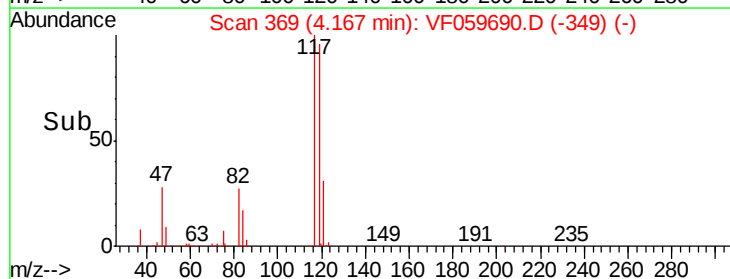
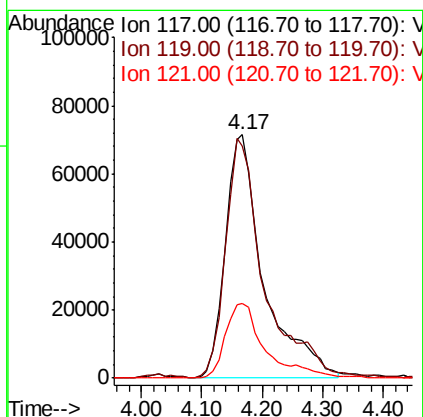
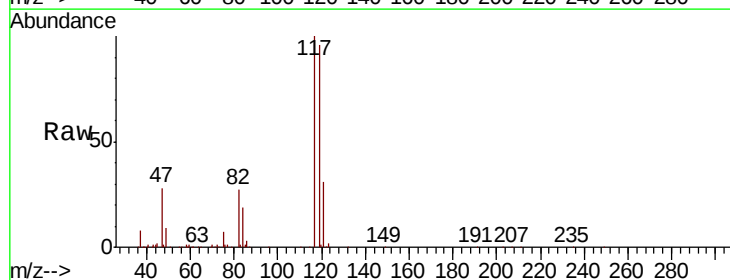
Instrument :
MSVOA_F
ClientSampled :

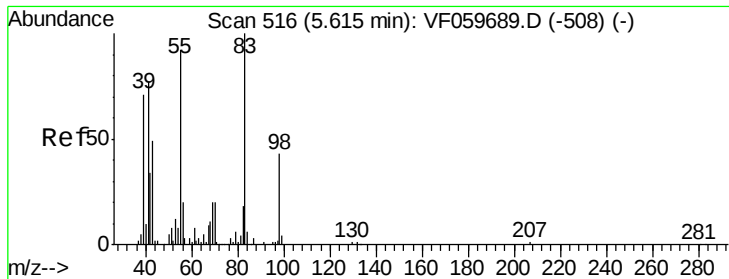
Tot Ion: 43 Resp: 97054
Ion Ratio Lower Upper
43 100
61 95.6 58.2 87.2#
70 9.2 6.0 9.0#



#38
Carbon Tetrachloride
Concen: 69.381 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion:117 Resp: 316263
Ion Ratio Lower Upper
117 100
119 95.5 72.9 109.3
121 30.8 25.0 37.4

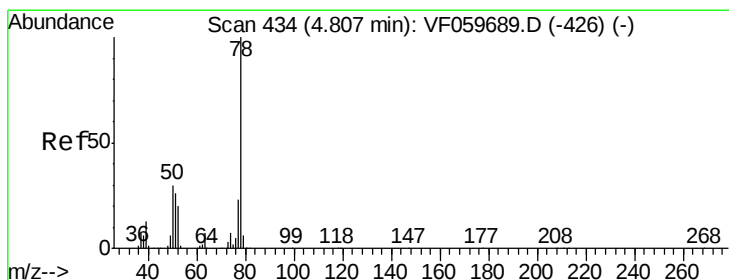
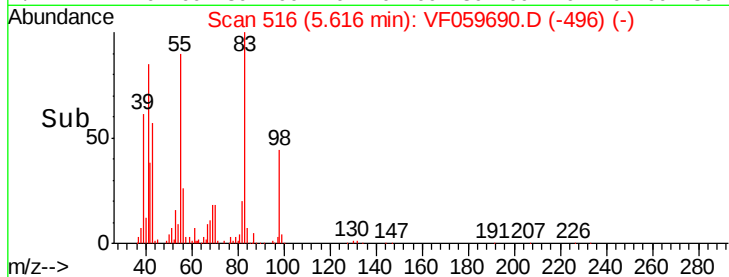
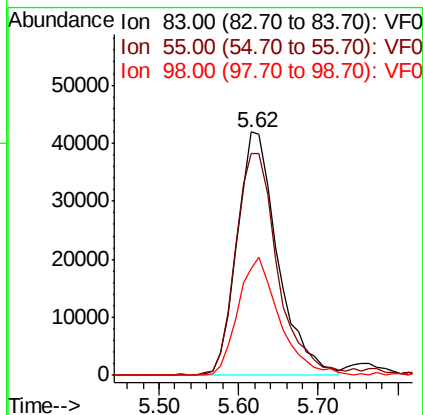
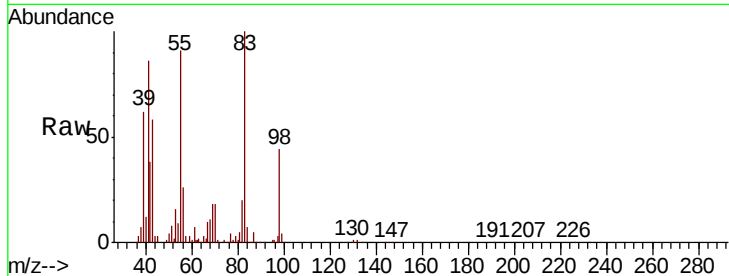




#39
Methvlcvclohexane
Concen: 58.502 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

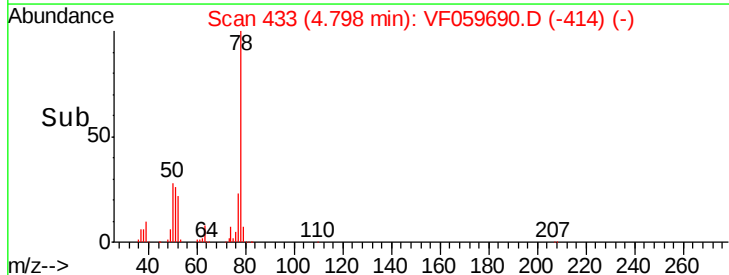
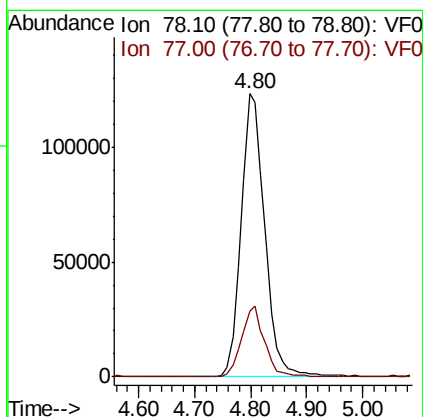
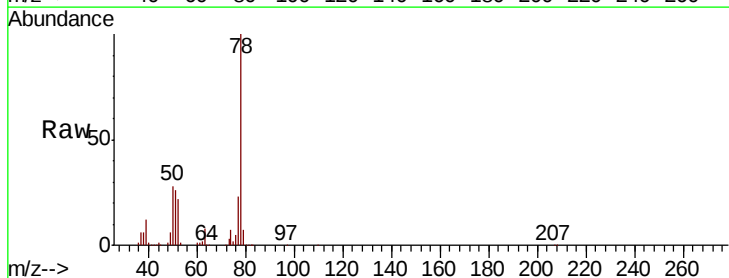
Instrument :
MSVOA_F
ClientSampled :

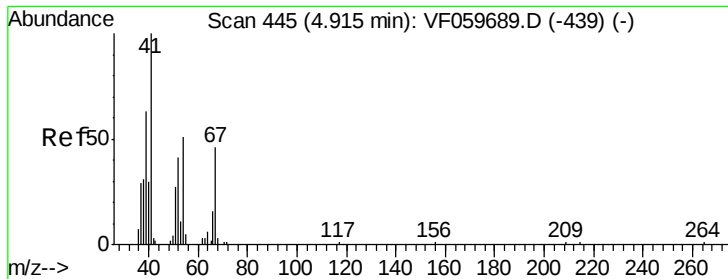
Tot Ion: 83 Resp: 147924
Ion Ratio Lower Upper
83 100
55 91.1 73.4 110.2
98 43.9 34.2 51.4



#40
Benzene
Concen: 65.088 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion: 78 Resp: 359169
Ion Ratio Lower Upper
78 100
77 23.1 18.9 28.3

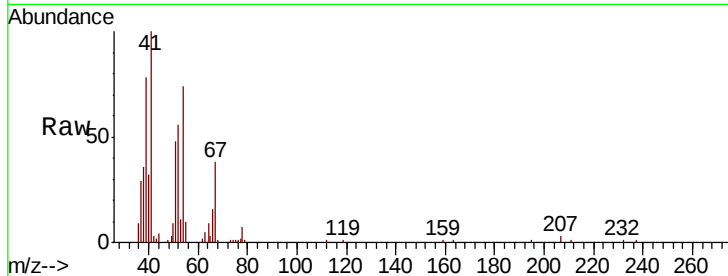




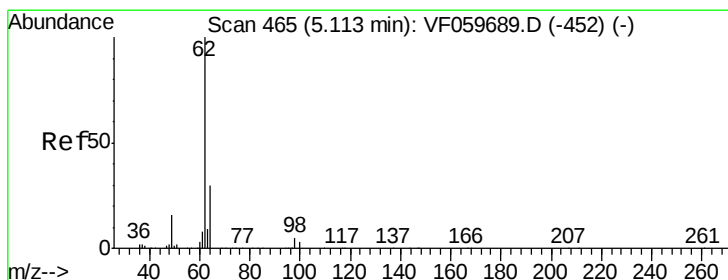
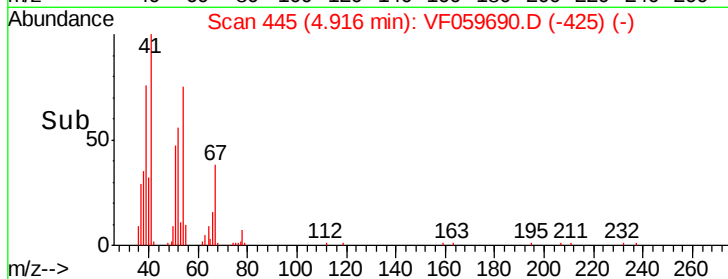
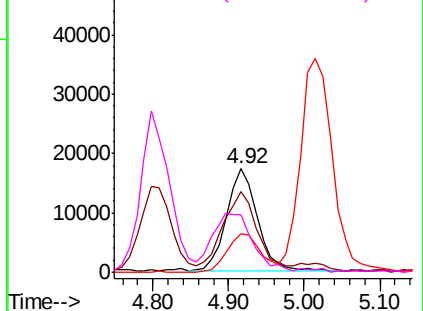
#41
Methacrylonitrile
Concen: 72.970 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	41	Resp:	48699
Ion	Ratio	Lower	Upper
41	100		
39	78.3	55.2	82.8
67	37.5	36.2	54.2
52	55.7	37.7	56.5

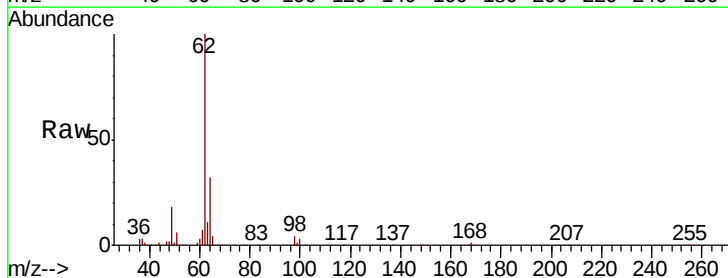


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

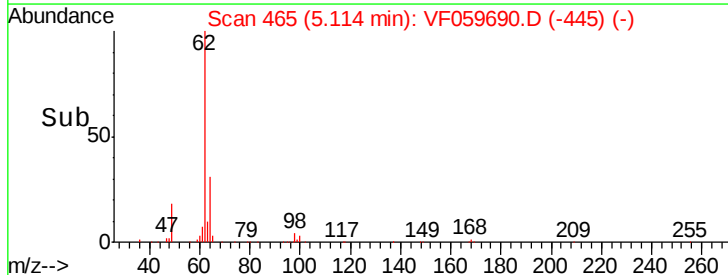
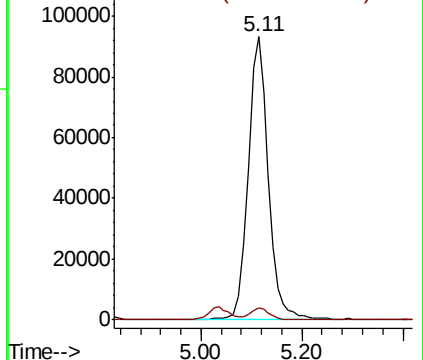


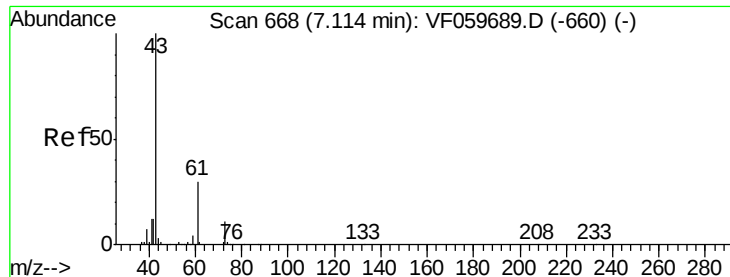
#42
1,2-Dichloroethane
Concen: 72.562 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion:	62	Resp:	260548
Ion	Ratio	Lower	Upper
62	100		
98	4.2	0.0	9.6



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



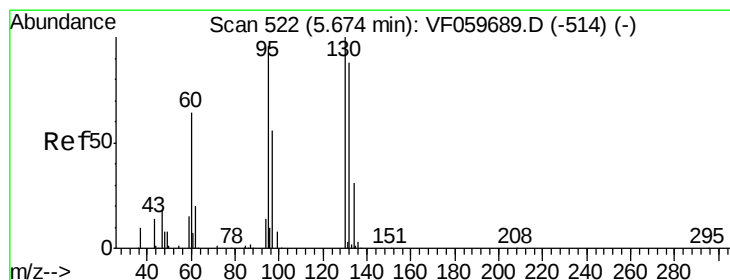
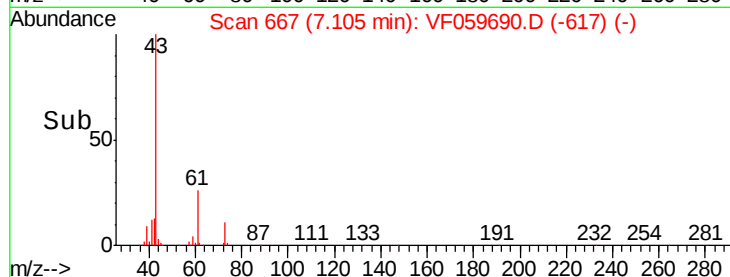
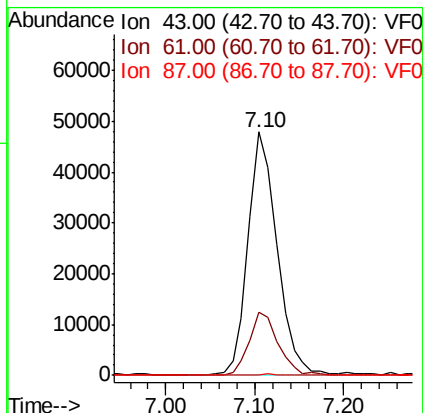
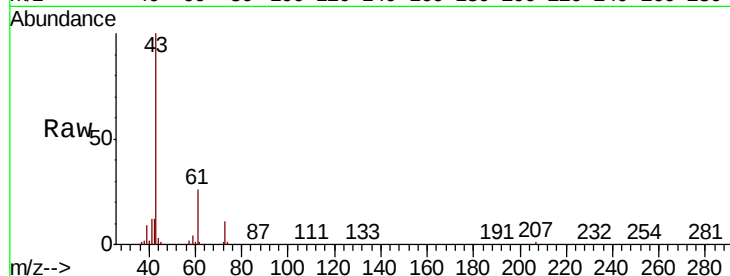


#43

Isopropyl Acetate
 Concen: 77.172 ug/l
 RT: 7.10 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Instrument :
 MSVOA_F
 ClientSampleId :

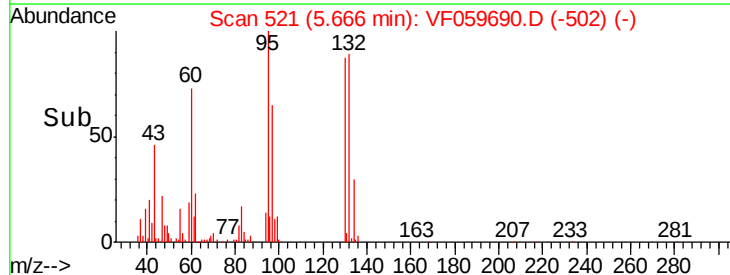
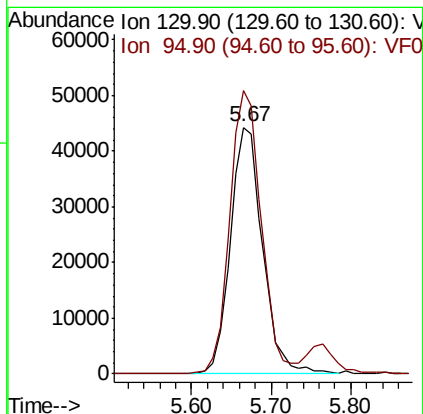
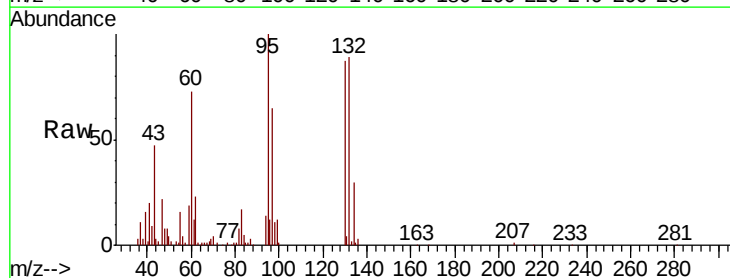
Tot Ion: 43 Resp: 108294
 Ion Ratio Lower Upper
 43 100
 61 26.0 23.8 35.8
 87 0.4 0.6 1.0#

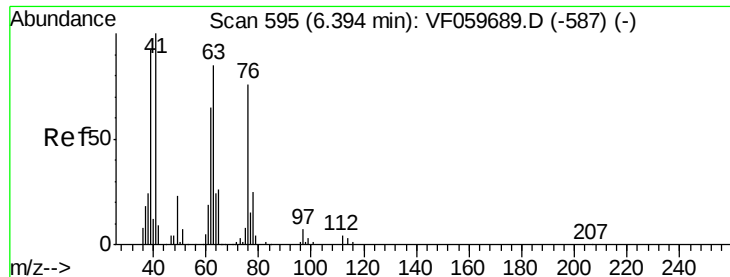


#44

Trichloroethene
 Concen: 58.243 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Tgt Ion:130 Resp: 124479
 Ion Ratio Lower Upper
 130 100
 95 114.7 0.0 191.0

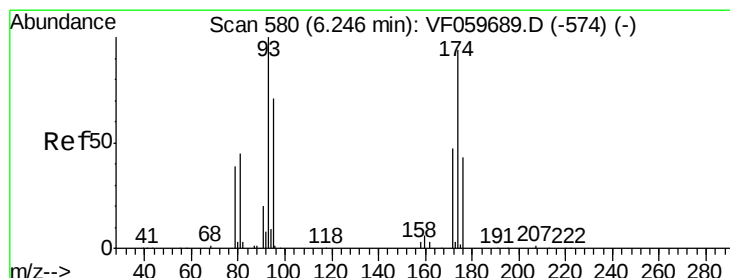
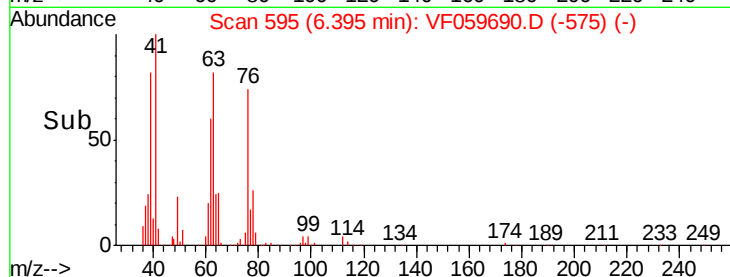
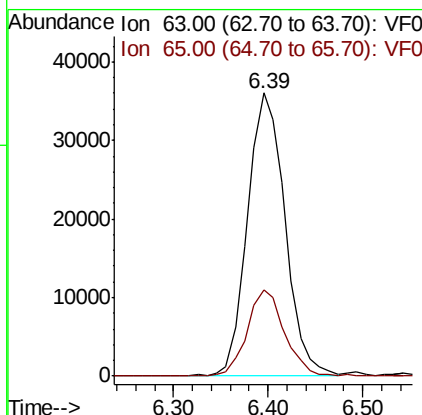
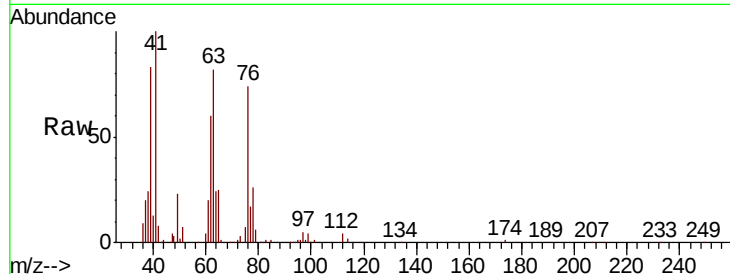




#45
 1,2-Dichloropropane
 Concen: 67.787 ug/l
 RT: 6.39 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

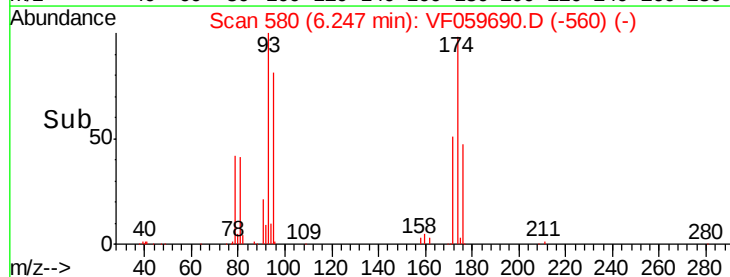
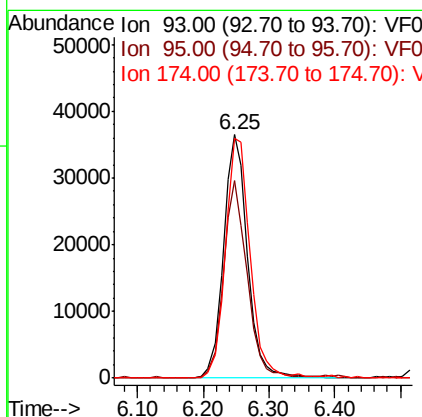
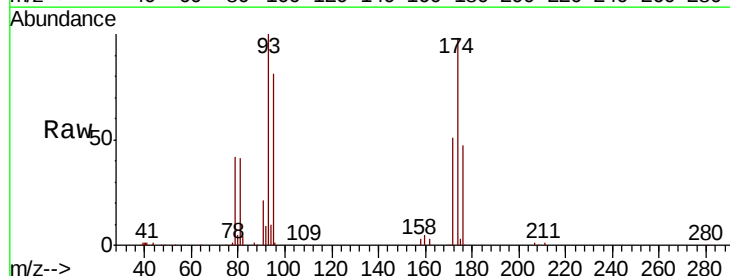
Instrument :
 MSVOA_F
 ClientSampled :

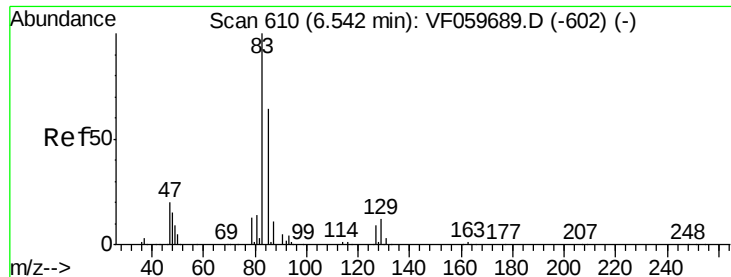
Tot Ion: 63 Resp: 99409
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.2 37.8



#46
 Dibromomethane
 Concen: 72.688 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Tgt Ion: 93 Resp: 92564
 Ion Ratio Lower Upper
 93 100
 95 81.4 57.1 85.7
 174 98.3 74.8 112.2





#47

Bromodichloromethane

Concen: 68.026 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :
MSVOA_F
ClientSampled :

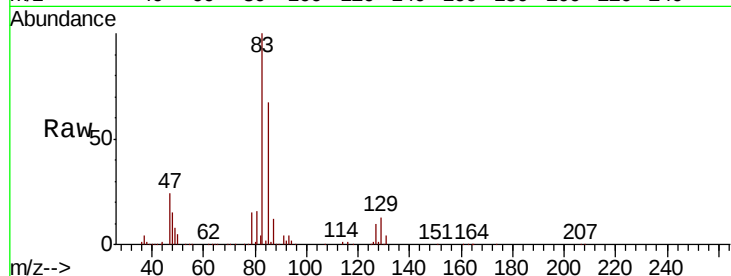
Tot Ion: 83 Resp: 253810

Ion Ratio Lower Upper

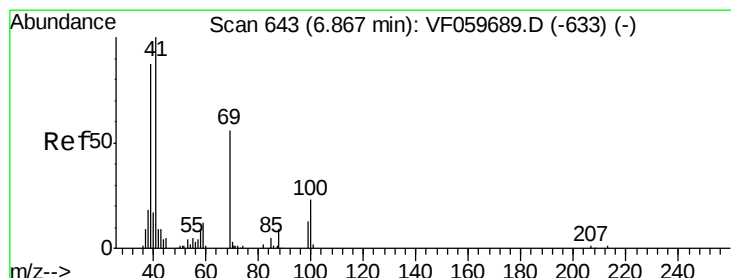
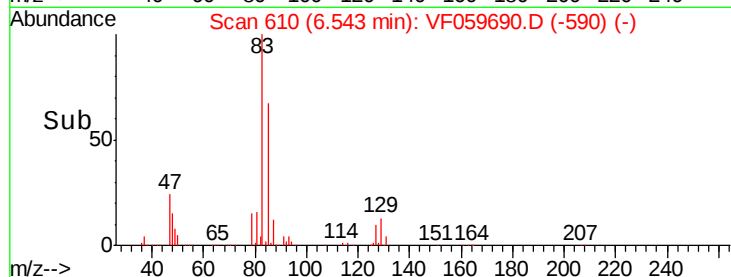
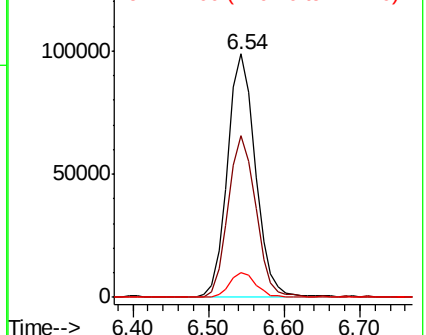
83 100

85 66.6 51.0 76.6

127 9.9 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 80.655 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

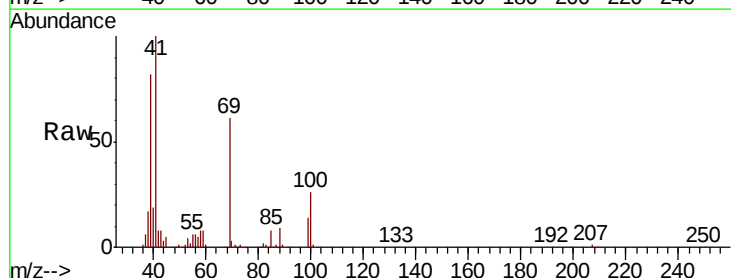
Tgt Ion: 41 Resp: 88831

Ion Ratio Lower Upper

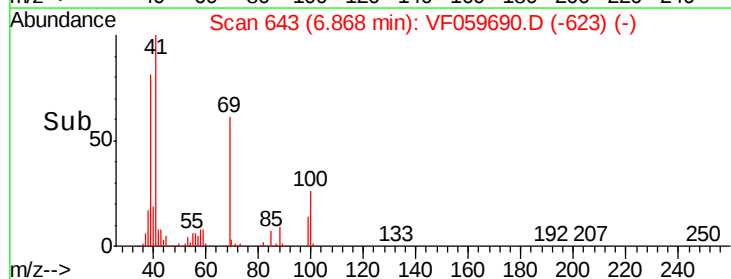
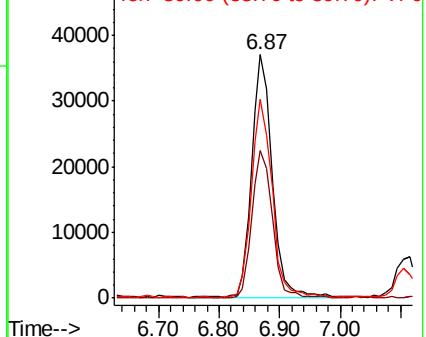
41 100

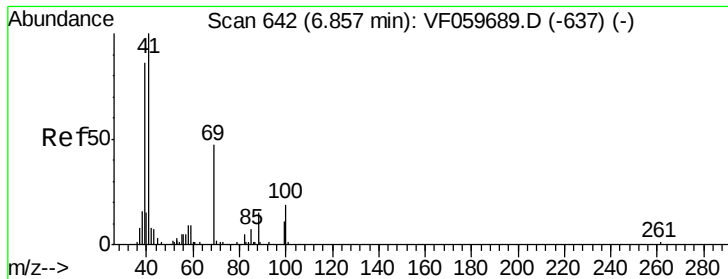
69 60.7 44.4 66.6

39 81.6 69.4 104.2



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: 1427.676 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :
MSVOA_F
ClientSampleId :

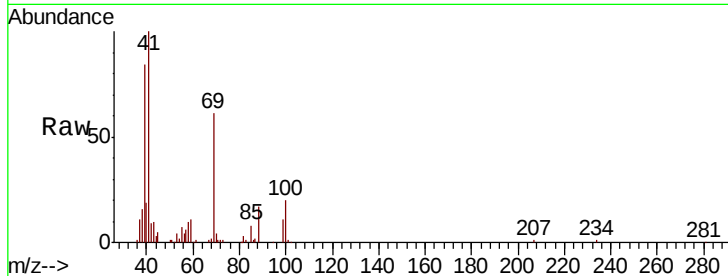
Tot Ion: 88 Resp: 12548

Ion Ratio Lower Upper

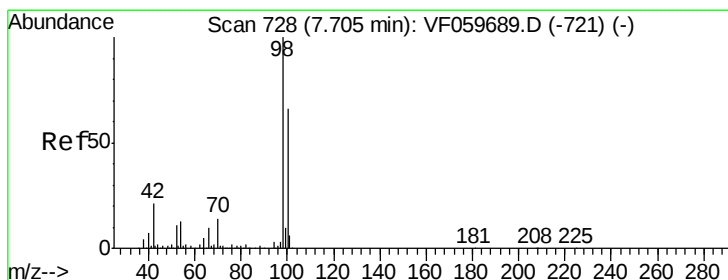
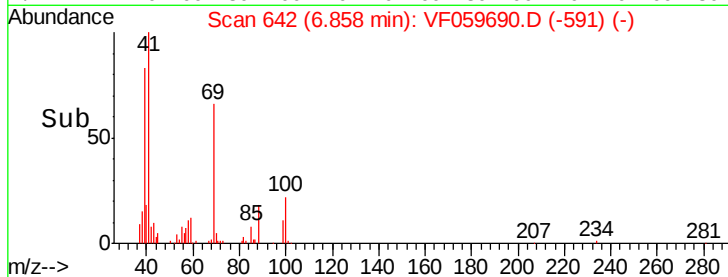
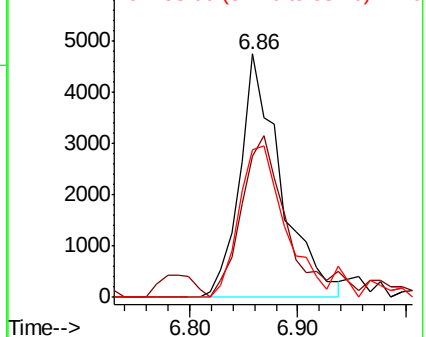
88 100

43 58.2 45.2 67.8

58 60.5 49.0 73.6



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: 68.790 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF059690.D

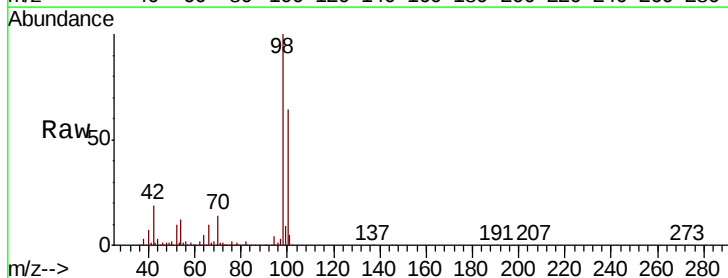
Acq: 30 Jul 2018 15:57

Tgt Ion: 98 Resp: 455956

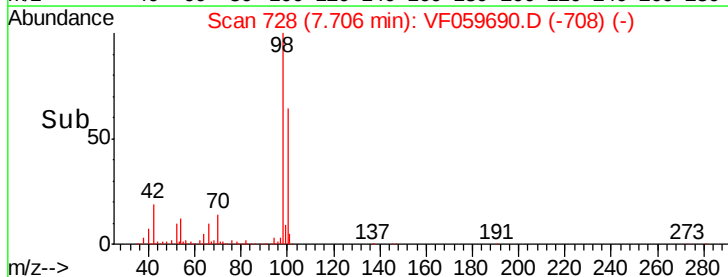
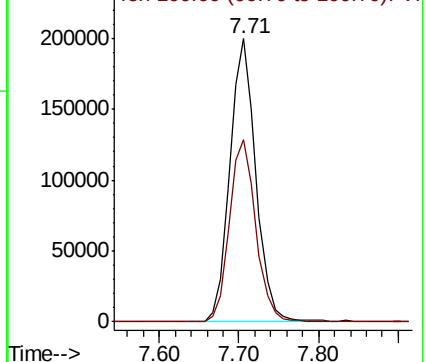
Ion Ratio Lower Upper

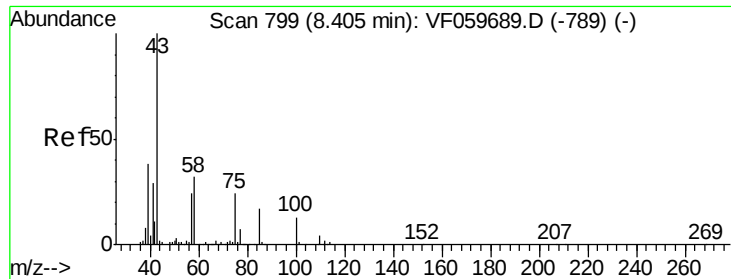
98 100

100 64.3 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 385.259 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

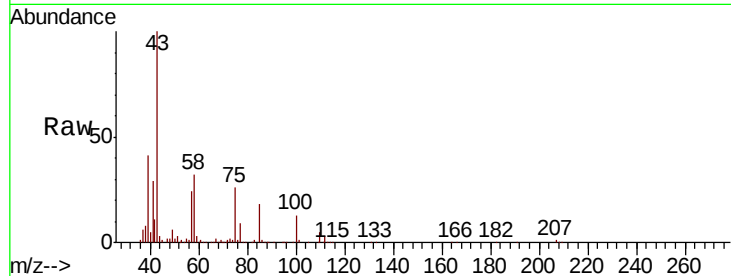
ClientSampleId :

Tot Ion: 43 Resp: 435064

Ion Ratio Lower Upper

43 100

58 32.2 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

200000

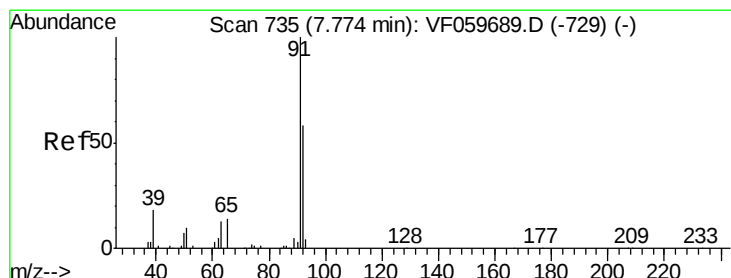
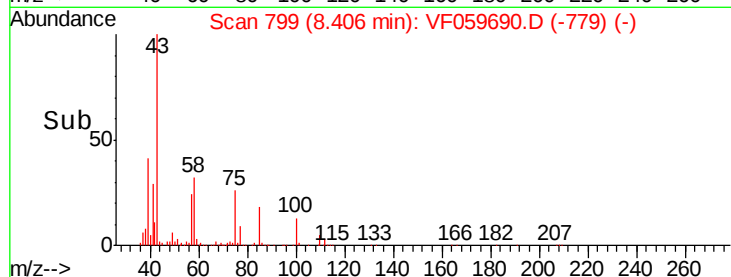
150000

100000

50000

0

Time--> 8.20 8.30 8.40 8.50 8.60



#52

Toluene

Concen: 63.236 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059690.D

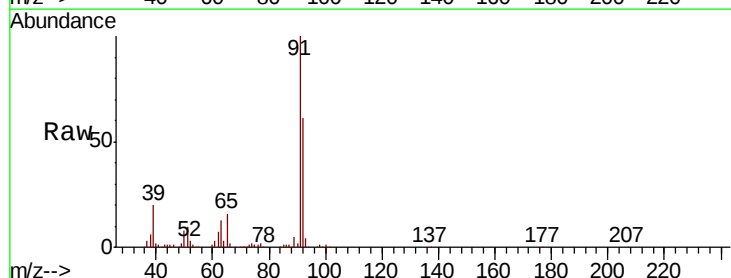
Acq: 30 Jul 2018 15:57

Tgt Ion: 92 Resp: 259198

Ion Ratio Lower Upper

92 100

91 164.6 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

200000

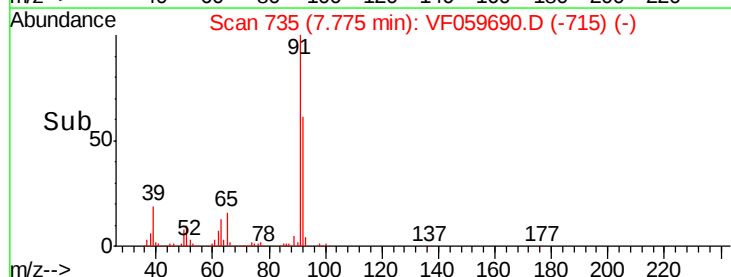
150000

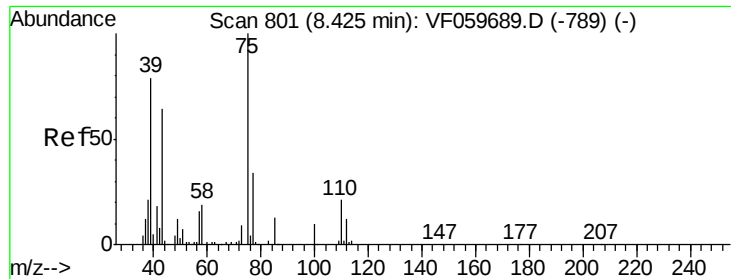
100000

50000

0

Time--> 7.70 7.80 7.90





#53

t-1,3-Dichloropropene

Concen: 71.123 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

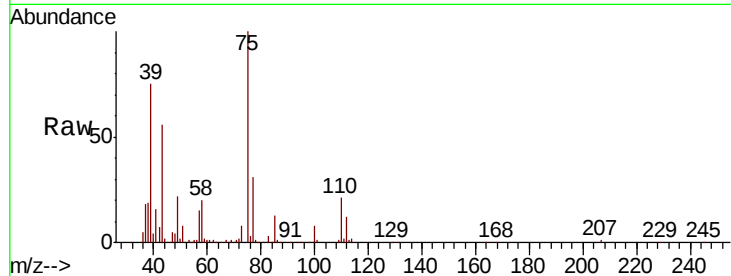
ClientSampleId :

Tot Ion: 75 Resp: 212257

Ion Ratio Lower Upper

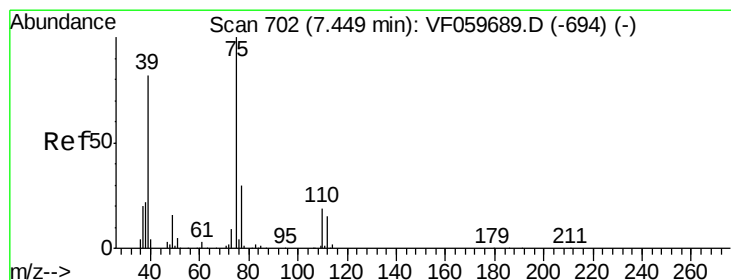
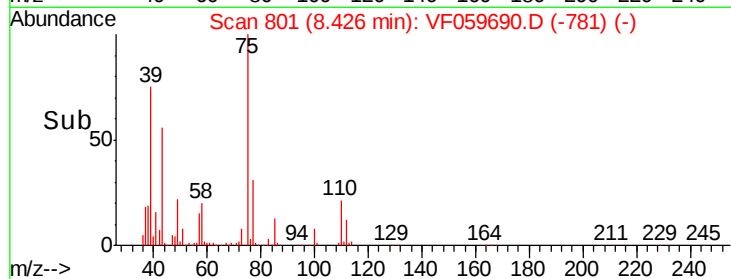
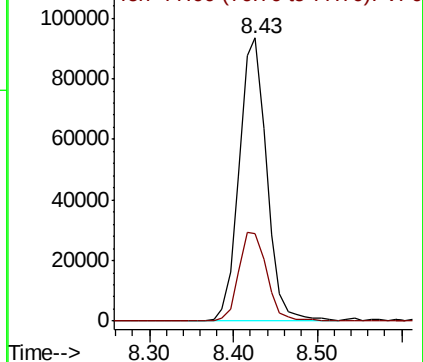
75 100

77 30.9 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 70.065 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

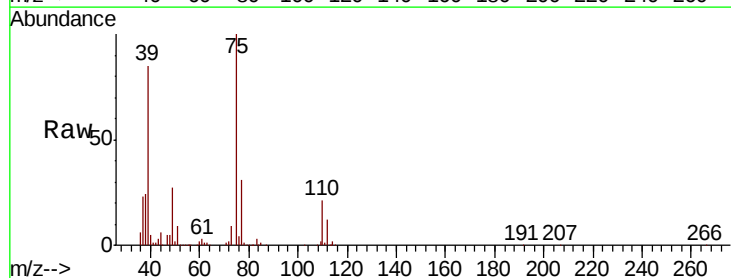
Tgt Ion: 75 Resp: 216962

Ion Ratio Lower Upper

75 100

77 30.8 24.0 36.0

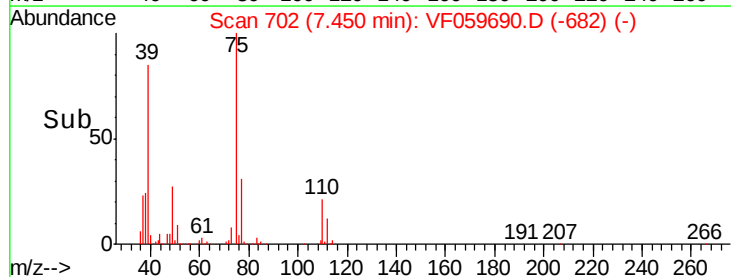
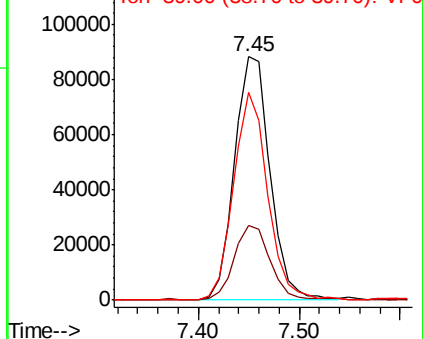
39 85.2 65.4 98.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

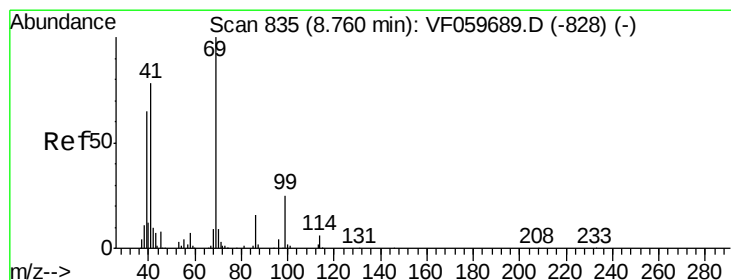
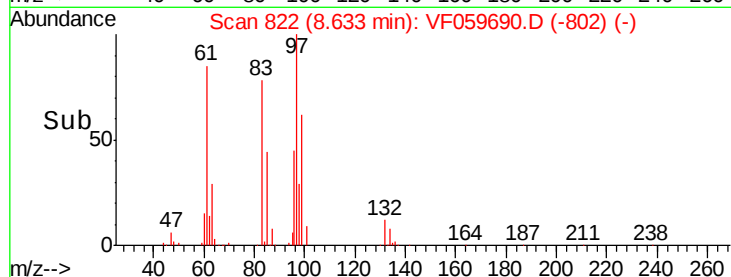
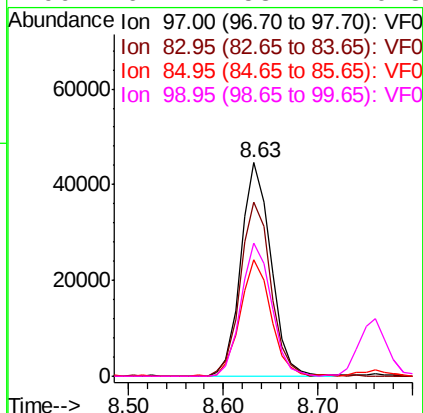
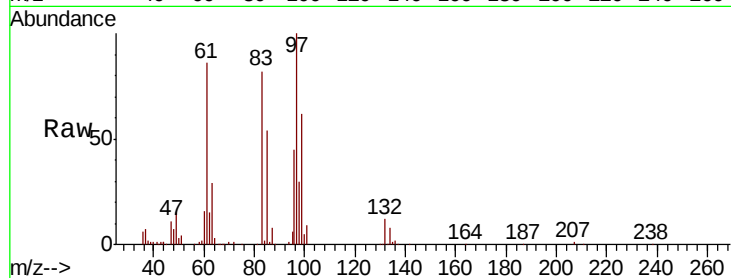




#55
 1,1,2-Trichloroethane
 Concen: 72.391 ug/l
 RT: 8.63 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

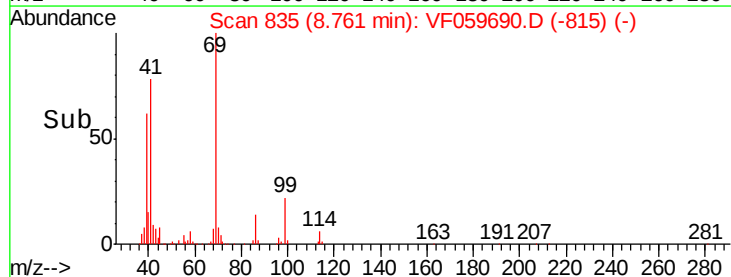
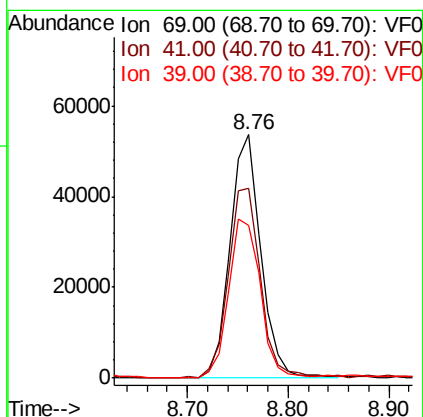
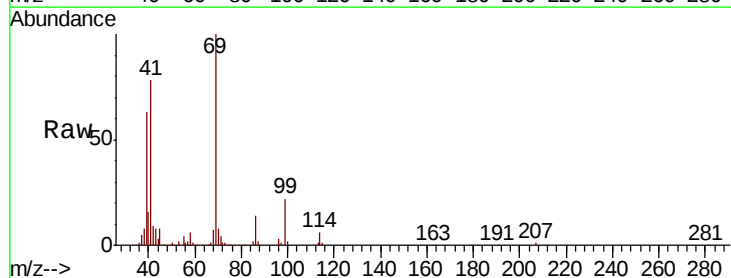
Instrument :
 MSVOA_F
 ClientSampleId :

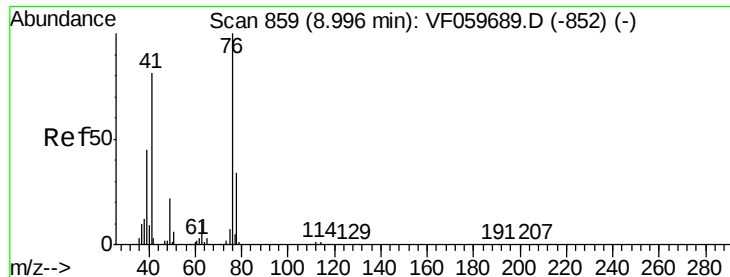
Tot Ion:	97	Resp:	98551
Ion	Ratio	Lower	Upper
97	100		
83	81.7	66.6	100.0
85	54.3	47.4	71.0
99	62.2	53.2	79.8



#56
 Ethyl methacrylate
 Concen: 78.909 ug/l
 RT: 8.76 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Tgt Ion:	69	Resp:	113883
Ion	Ratio	Lower	Upper
69	100		
41	77.9	62.3	93.5
39	62.9	52.4	78.6





#57

1,3-Dichloropropane

Concen: 73.022 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

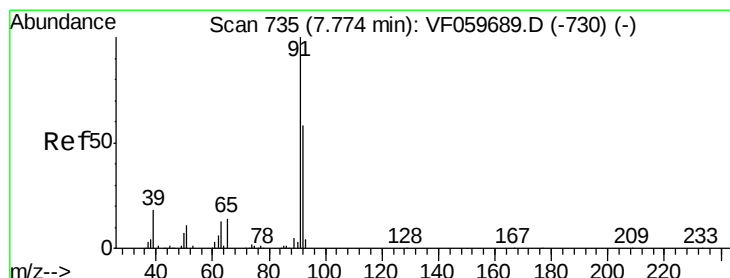
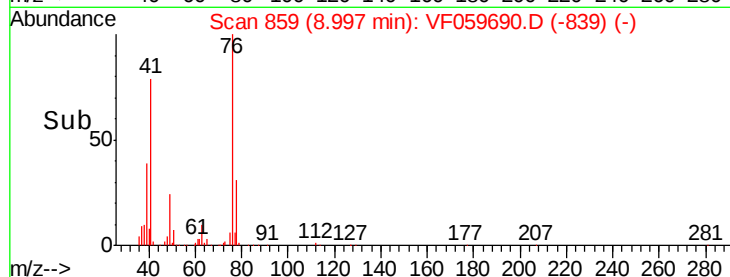
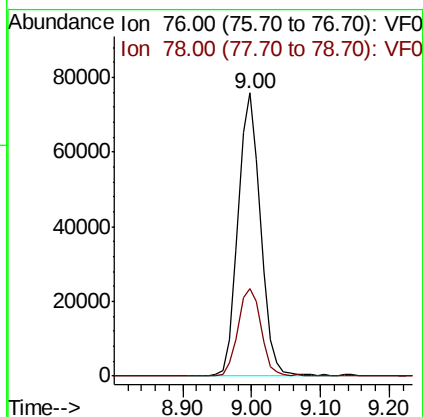
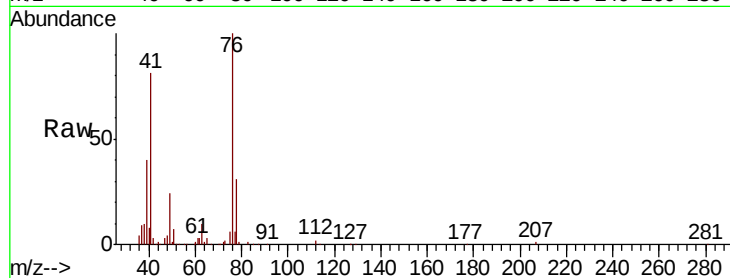
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 171905

Ion Ratio Lower Upper

76 100

78 31.0 27.2 40.8



#58

2-Chloroethyl Vinyl ether

Concen: 327.955 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059690.D

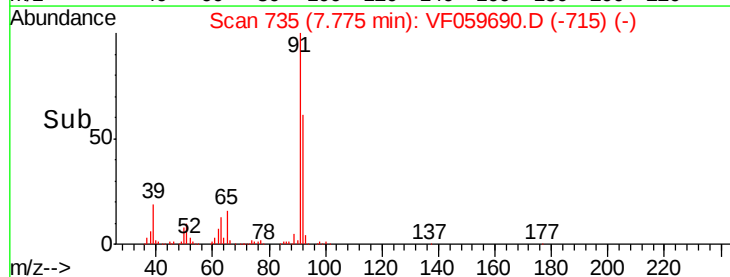
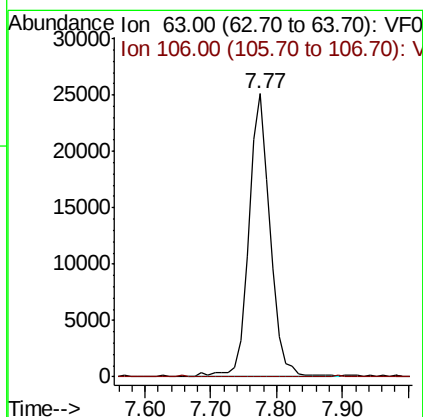
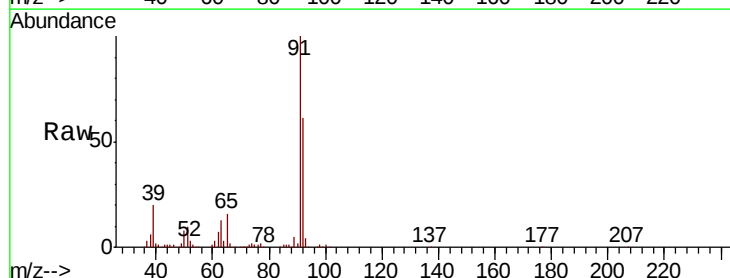
Acq: 30 Jul 2018 15:57

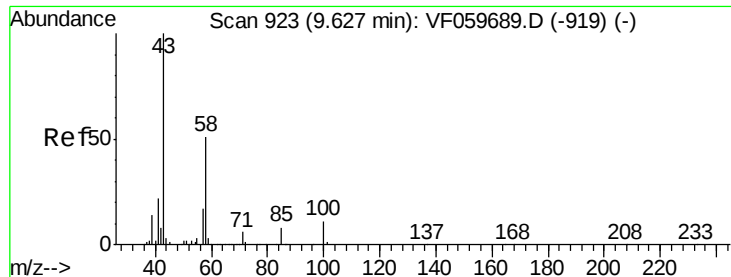
Tgt Ion: 63 Resp: 57148

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

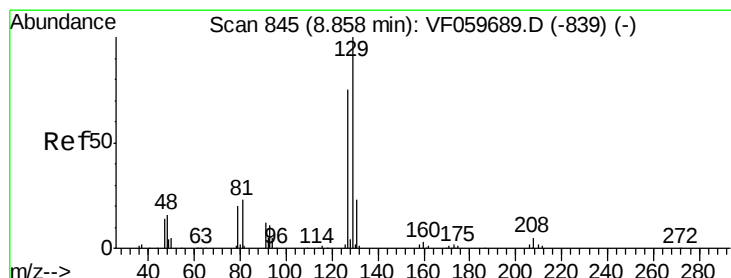
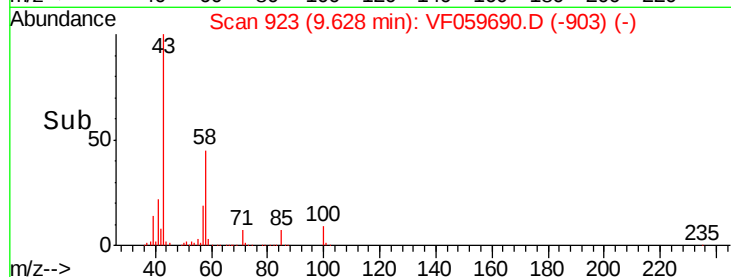
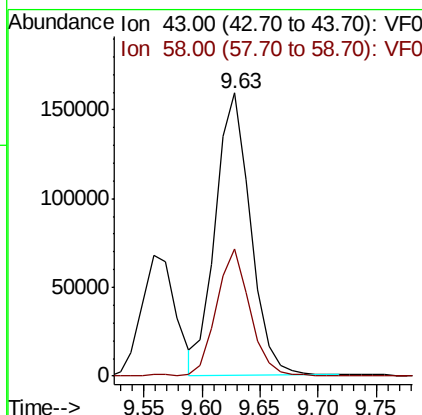
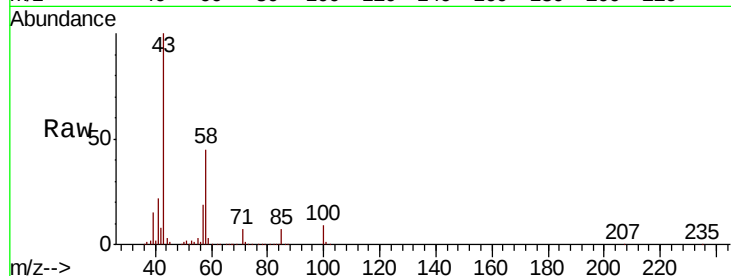




#59
2-Hexanone
Concen: 396.362 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

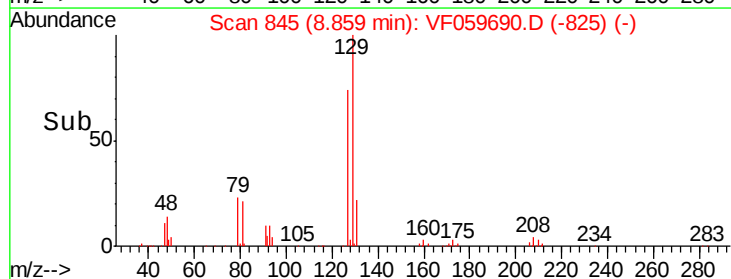
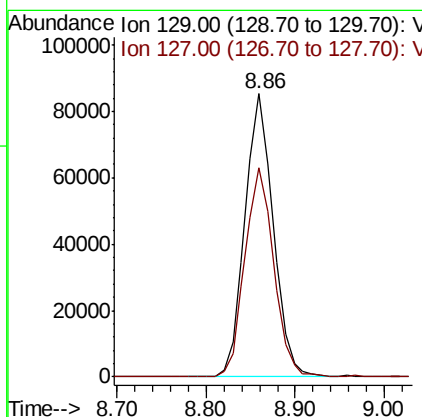
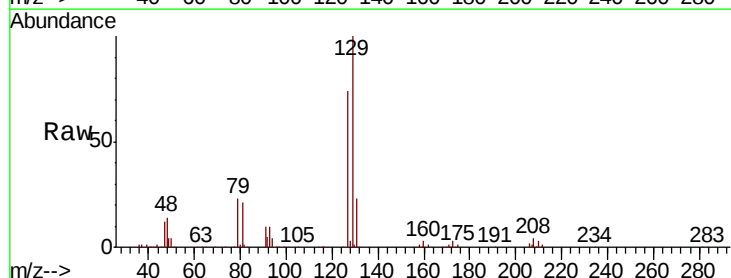
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 332022
Ion Ratio Lower Upper
43 100
58 45.0 23.3 69.8



#60
Dibromochloromethane
Concen: 76.488 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion: 129 Resp: 187852
Ion Ratio Lower Upper
129 100
127 73.7 37.7 113.1

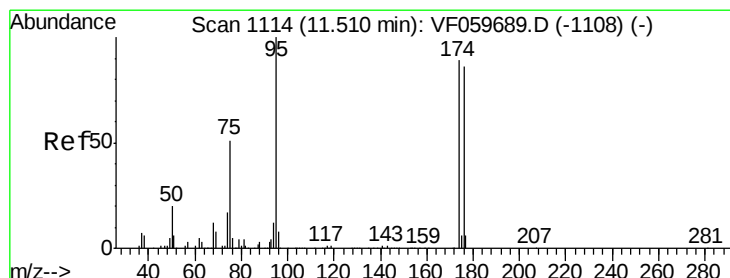
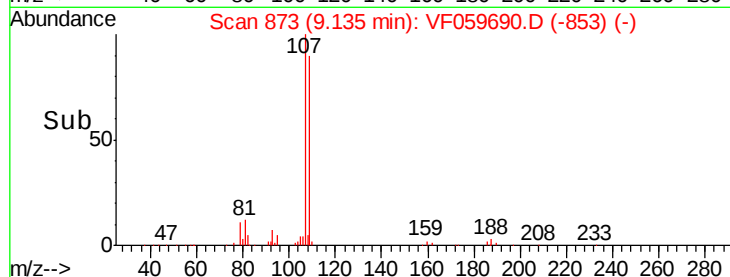
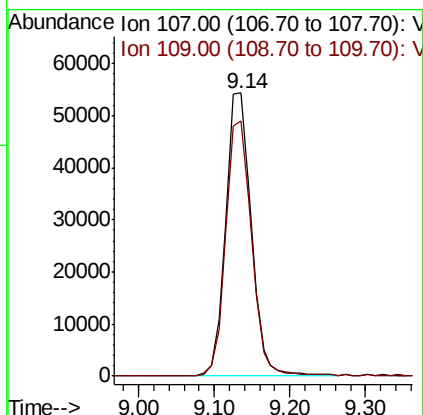
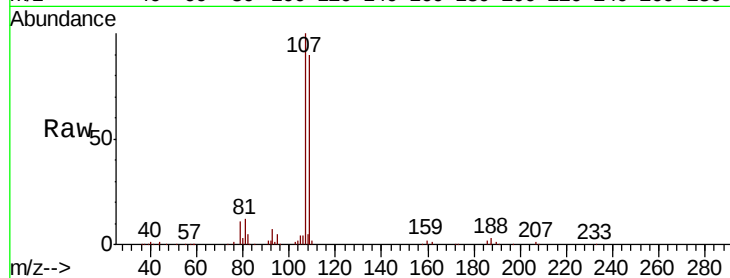




#61
1,2-Dibromoethane
Concen: 77.135 ug/l
RT: 9.14 min Scan# 873
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

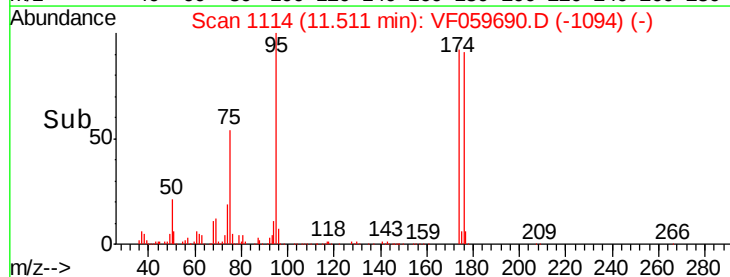
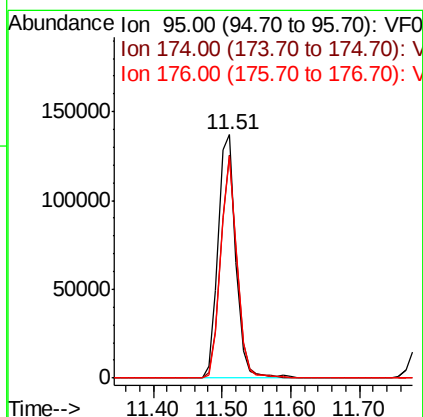
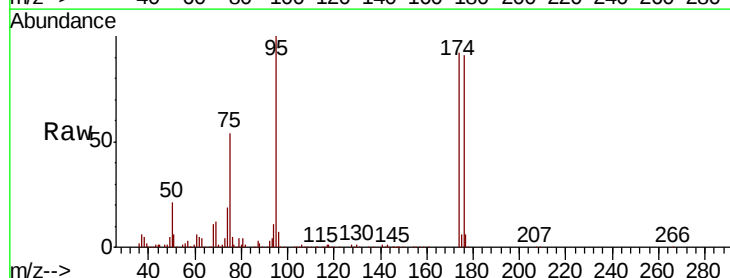
Instrument :
MSVOA_F
ClientSampleId :

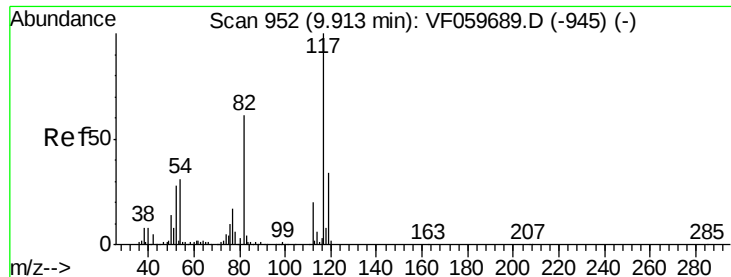
Tot Ion:107 Resp: 126986
Ion Ratio Lower Upper
107 100
109 90.0 73.6 110.4



#62
4-Bromofluorobenzene
Concen: 68.715 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion: 95 Resp: 246433
Ion Ratio Lower Upper
95 100
174 91.5 0.0 178.4
176 91.4 0.0 173.0

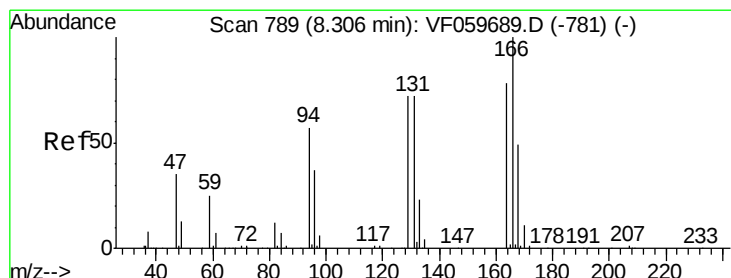
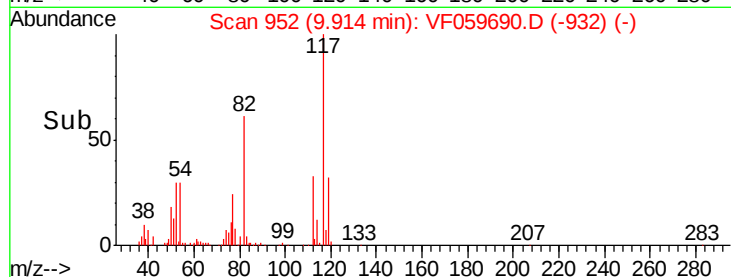
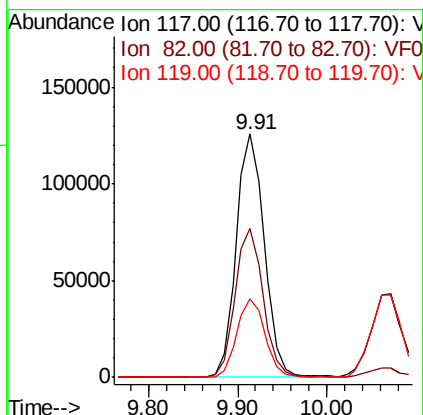
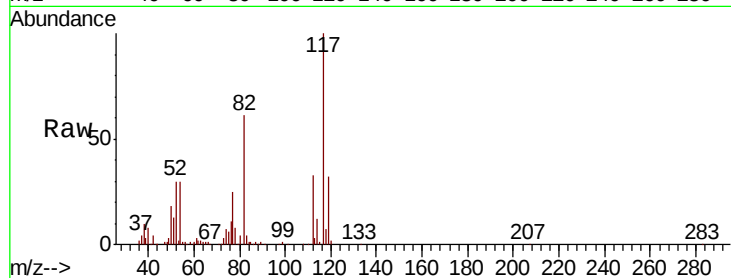




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

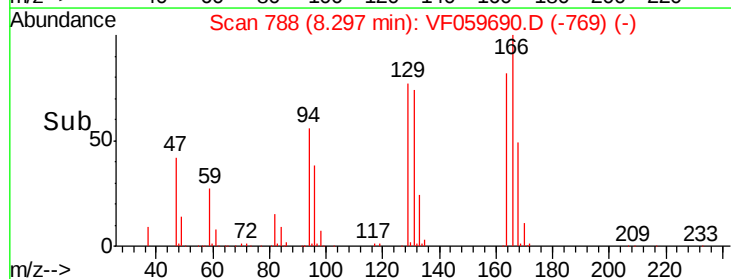
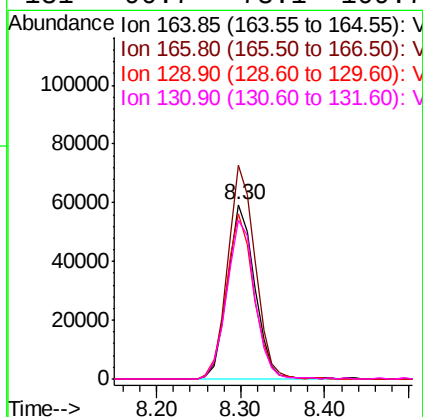
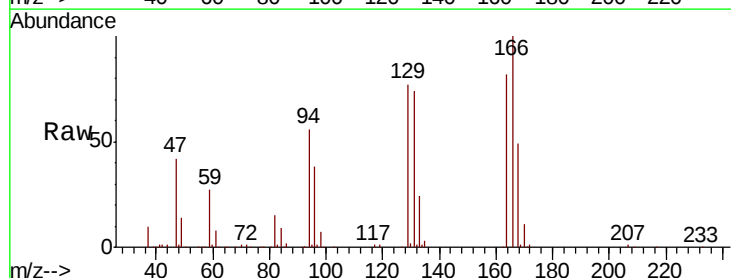
Instrument :
MSVOA_F
ClientSampleId :

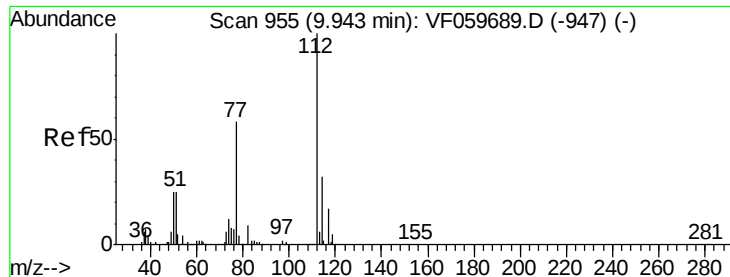
Tot Ion:117 Resp: 277164
Ion Ratio Lower Upper
117 100
82 61.1 49.0 73.4
119 32.3 27.3 40.9



#64
Tetrachloroethene
Concen: 60.820 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion:164 Resp: 134319
Ion Ratio Lower Upper
164 100
166 122.4 102.1 153.1
129 94.6 73.8 110.6
131 90.7 73.1 109.7

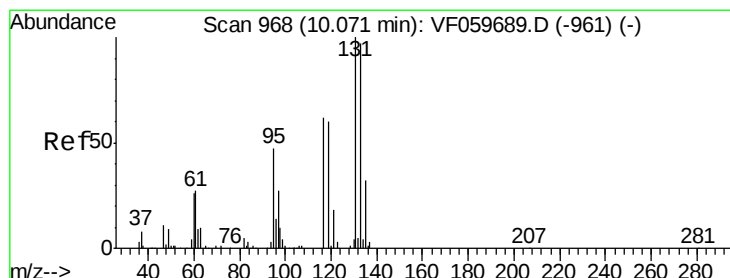
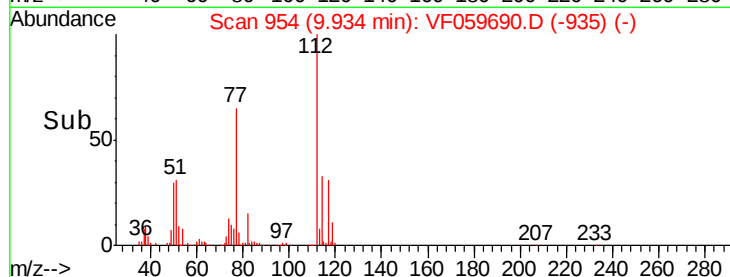
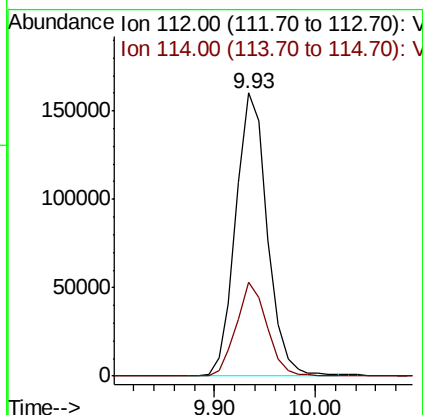
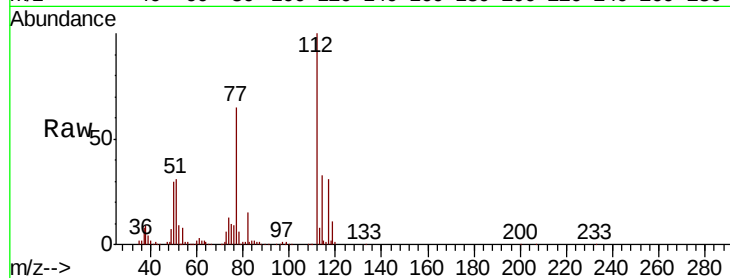




#65
Chlorobenzene
Concen: 64.998 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

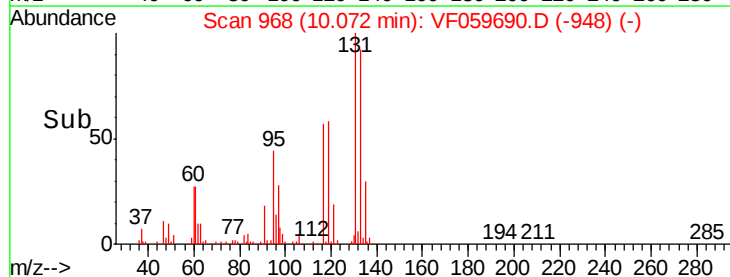
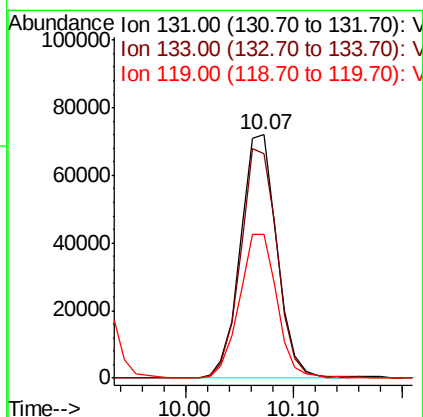
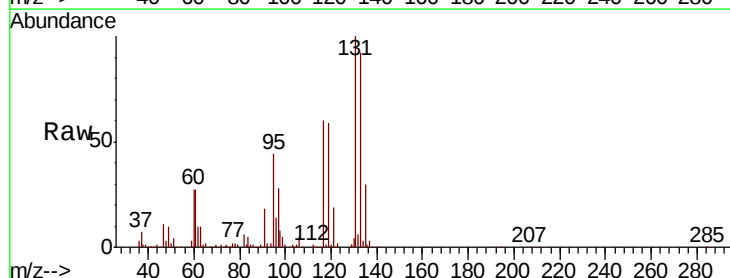
Instrument :
MSVOA_F
ClientSampleId :

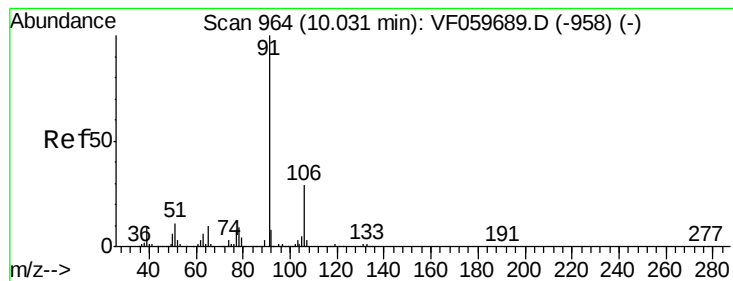
Tot Ion:112 Resp: 350021
Ion Ratio Lower Upper
112 100
114 33.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 68.197 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion:131 Resp: 169026
Ion Ratio Lower Upper
131 100
133 92.3 48.5 145.5
119 59.1 30.3 90.8





#67

Ethyl Benzene

Concen: 64.845 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

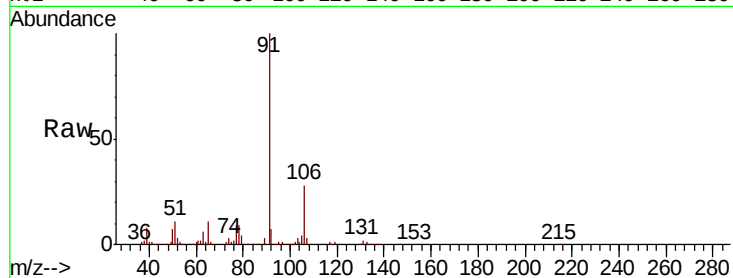
ClientSampleId :

Tot Ion: 91 Resp: 633228

Ion Ratio Lower Upper

91 100

106 28.2 22.9 34.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

10.03

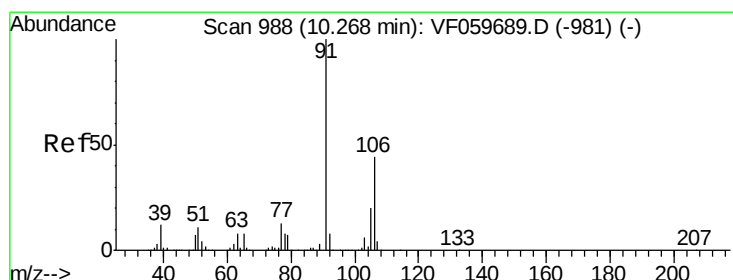
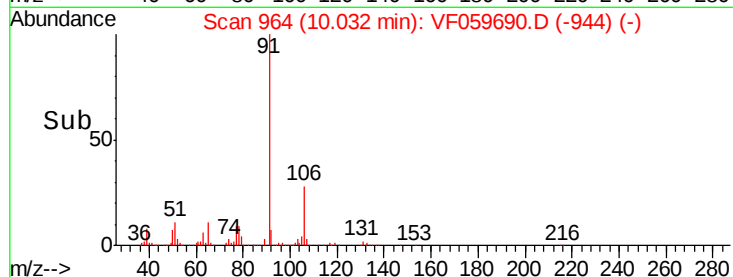
300000

200000

100000

0

Time--> 9.90 10.00 10.10



#68

m/p-Xylenes

Concen: 127.468 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF059690.D

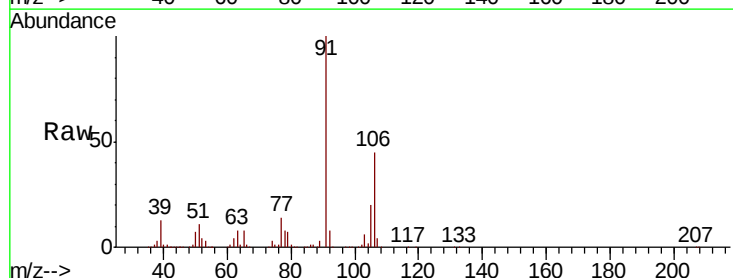
Acq: 30 Jul 2018 15:57

Tgt Ion: 106 Resp: 430774

Ion Ratio Lower Upper

106 100

91 221.6 181.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

10.27

500000

400000

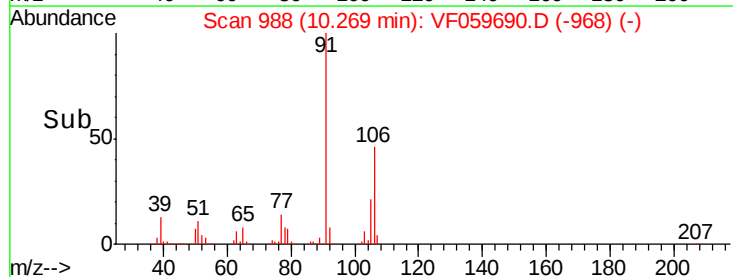
300000

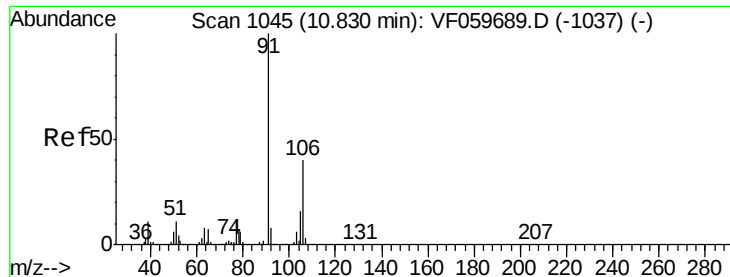
200000

100000

0

Time--> 10.10 10.20 10.30 10.40

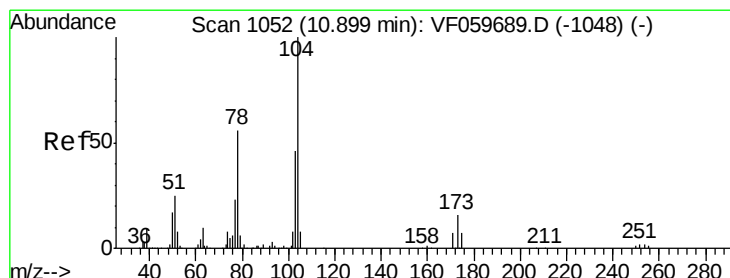
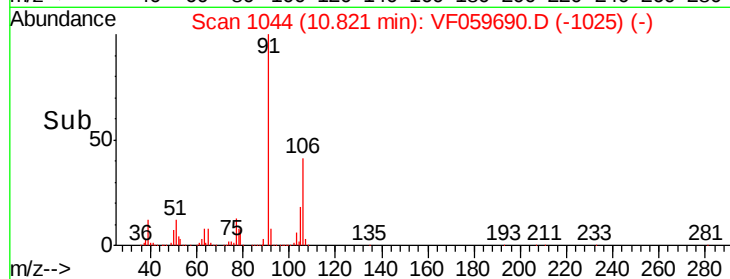
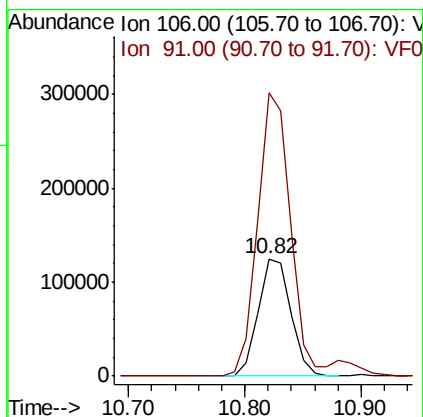
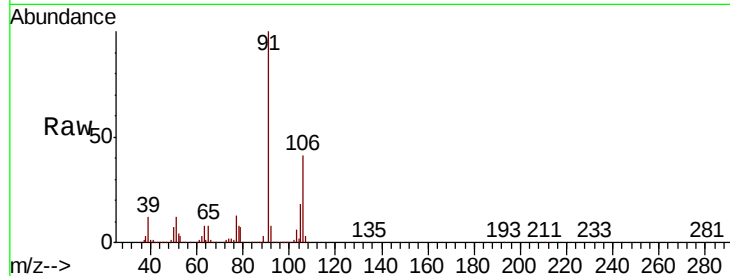




#69
o-Xylene
Concen: 66.624 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

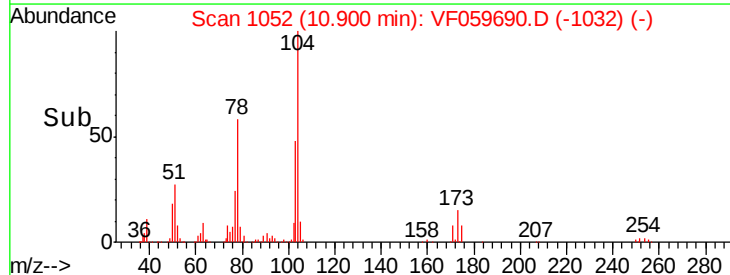
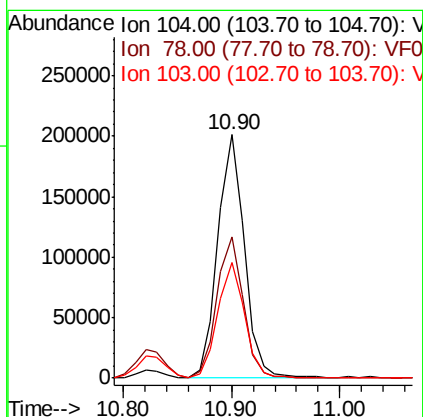
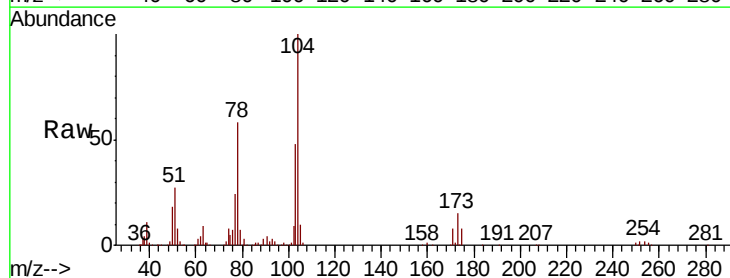
Instrument :
MSVOA_F
ClientSampleId :

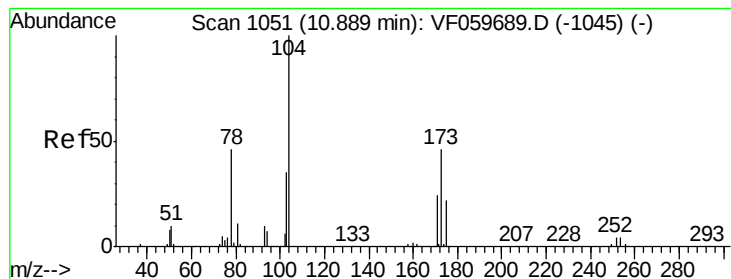
Tot Ion:106 Resp: 243148
Ion Ratio Lower Upper
106 100
91 241.7 124.6 373.7



#70
Styrene
Concen: 64.873 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion:104 Resp: 344320
Ion Ratio Lower Upper
104 100
78 58.1 45.3 67.9
103 47.6 36.6 54.8





#71

Bromoform

Concen: 74.623 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

ClientSampleId :

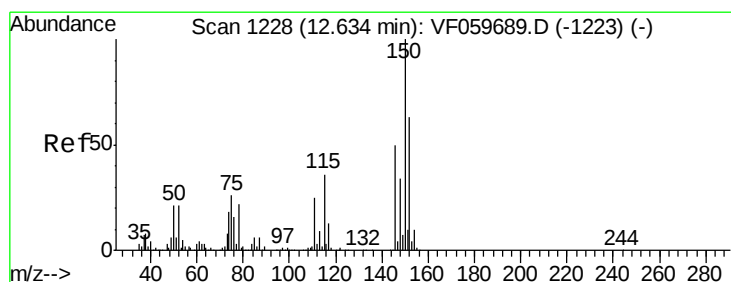
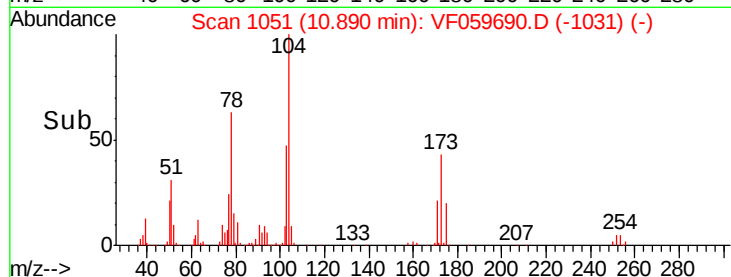
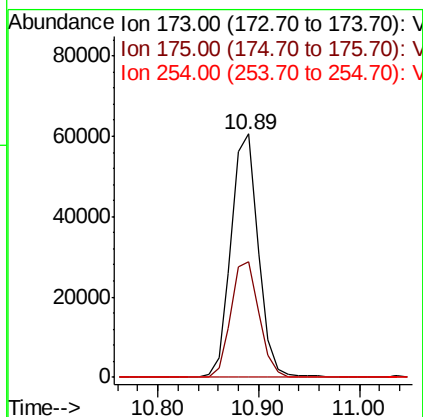
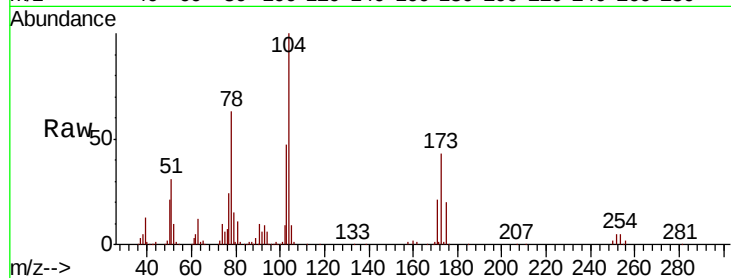
Tot Ion:173 Resp: 114048

Ion Ratio Lower Upper

173 100

175 47.7 23.4 70.0

254 0.2 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

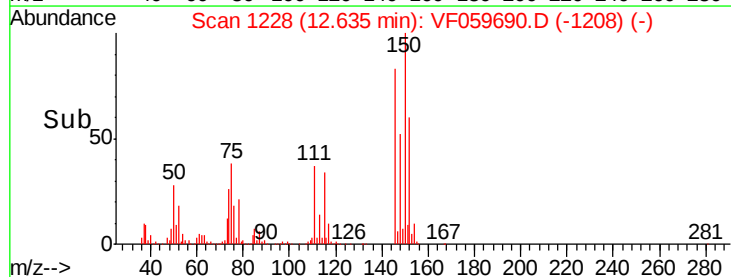
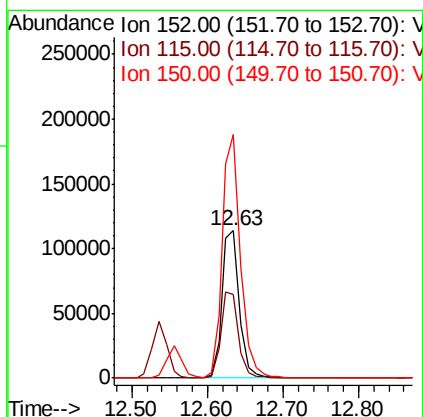
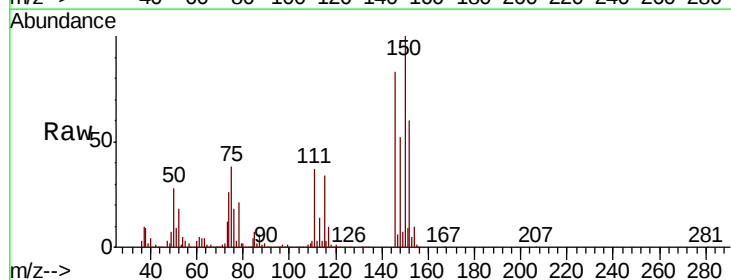
Tgt Ion:152 Resp: 182352

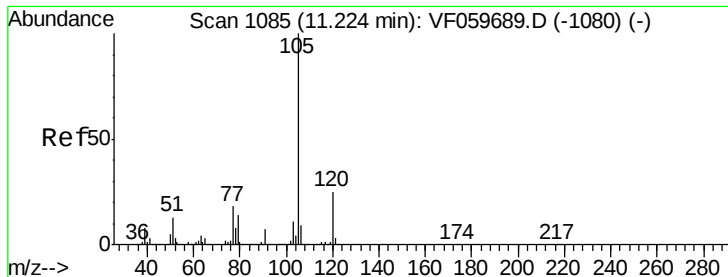
Ion Ratio Lower Upper

152 100

115 56.8 28.2 84.6

150 165.6 0.0 316.2





#73

Isopropylbenzene

Concen: 62.521 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

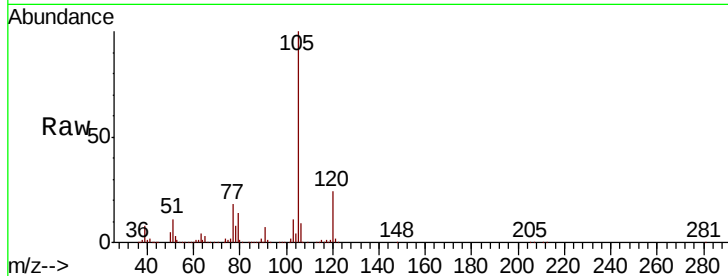
ClientSampled :

Tot Ion: 105 Resp: 778193

Ion Ratio Lower Upper

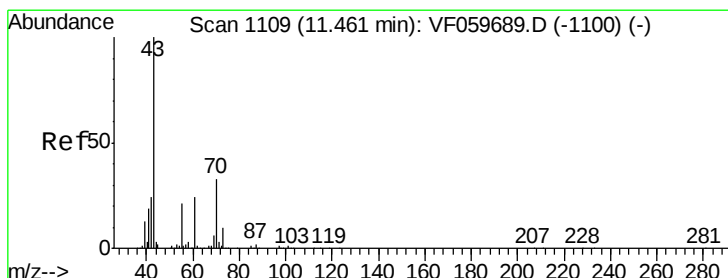
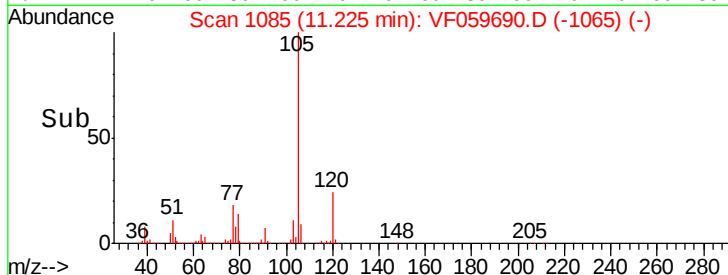
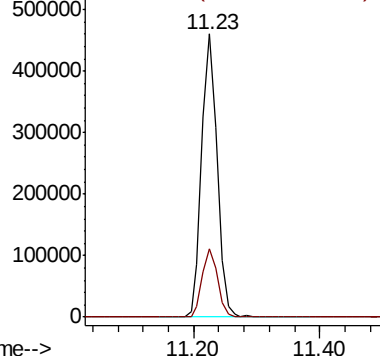
105 100

120 24.3 12.4 37.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 74.001 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Tgt Ion: 43 Resp: 188774

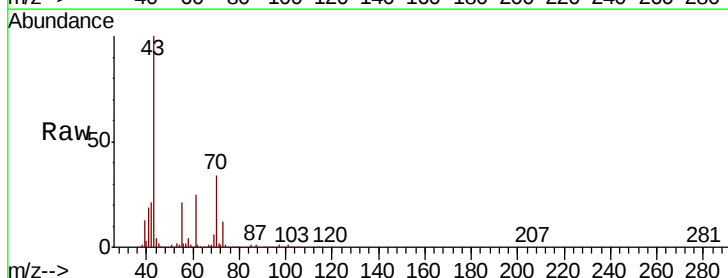
Ion Ratio Lower Upper

43 100

70 34.1 26.3 39.5

55 21.5 16.6 25.0

61 25.3 19.1 28.7

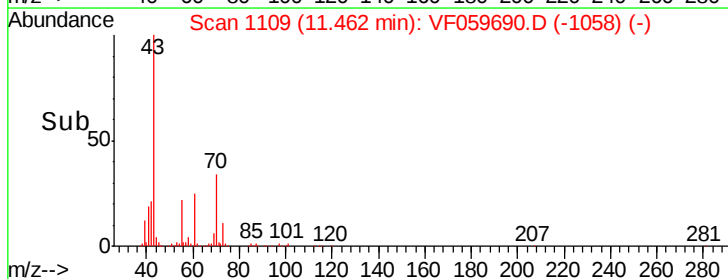
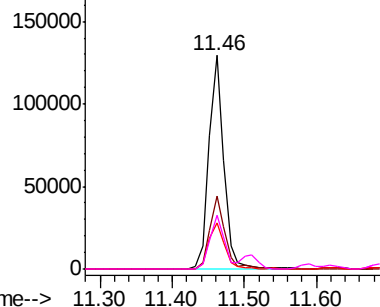


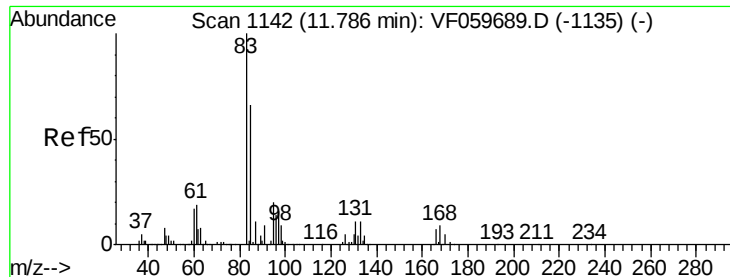
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 68.519 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

ClientSampleId :

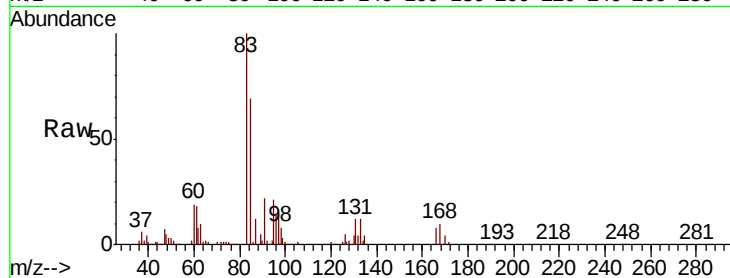
Tot Ion: 83 Resp: 140048

Ion Ratio Lower Upper

83 100

131 12.5 5.8 17.3

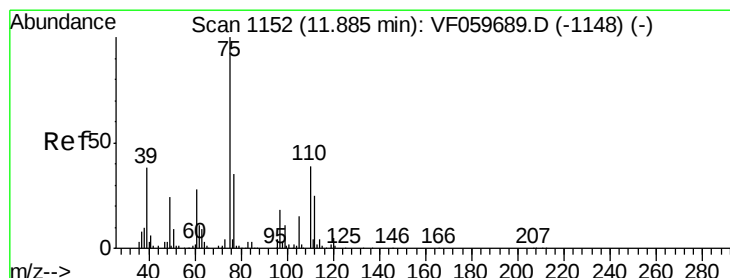
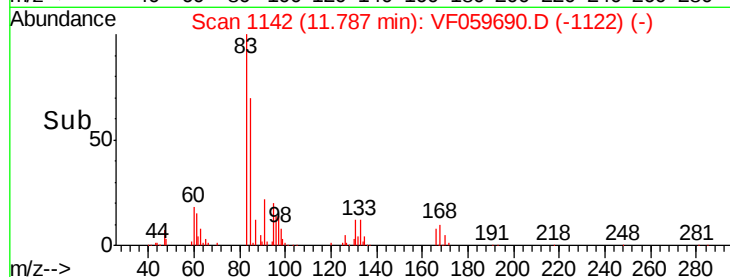
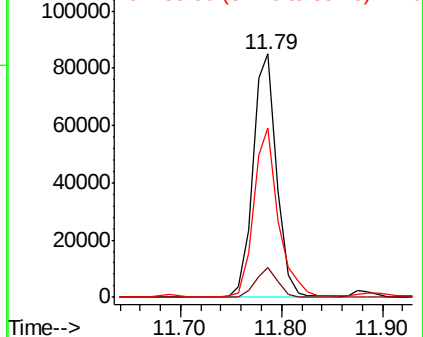
85 69.5 32.8 98.3



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



#76

1,2,3-Trichloropropane

Concen: 70.357 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059690.D

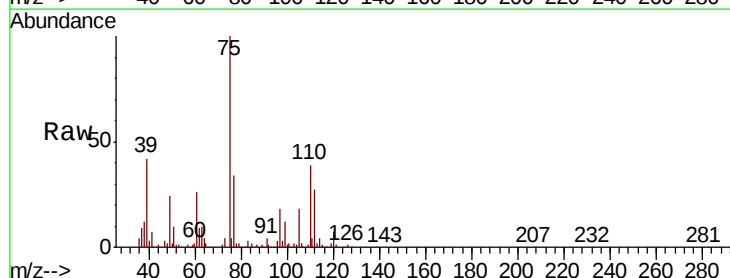
Acq: 30 Jul 2018 15:57

Tgt Ion: 75 Resp: 118106

Ion Ratio Lower Upper

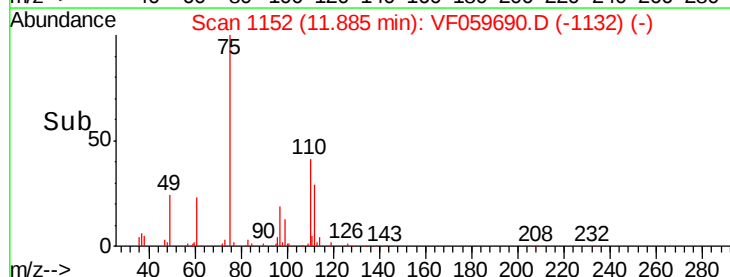
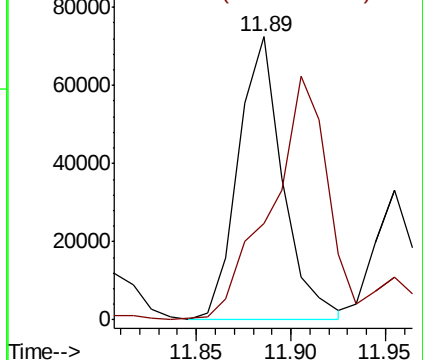
75 100

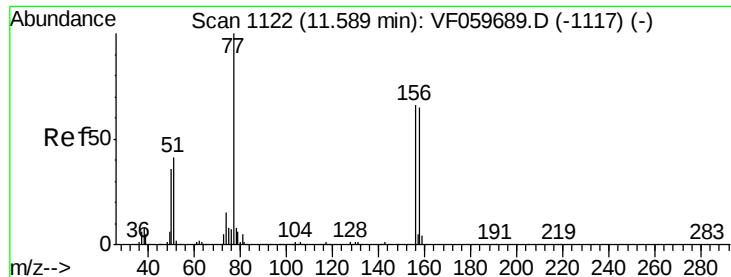
77 34.1 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 65.783 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

ClientSampleId :

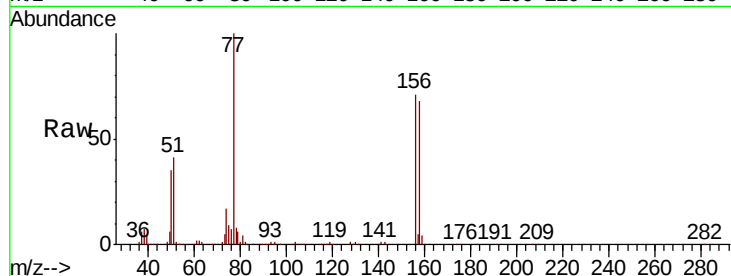
Tot Ion:156 Resp: 198740

Ion Ratio Lower Upper

156 100

77 140.6 75.2 225.6

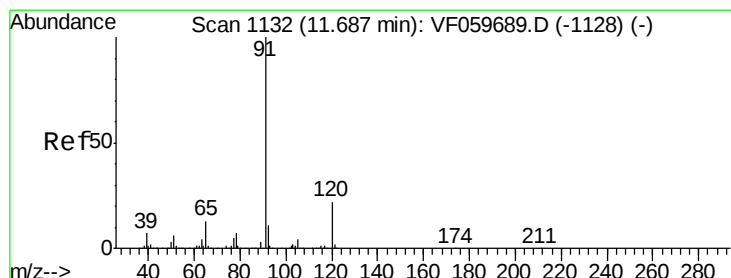
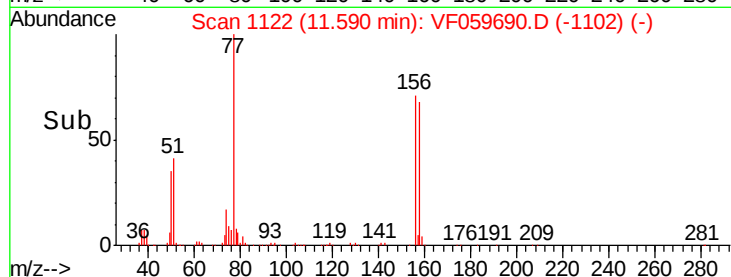
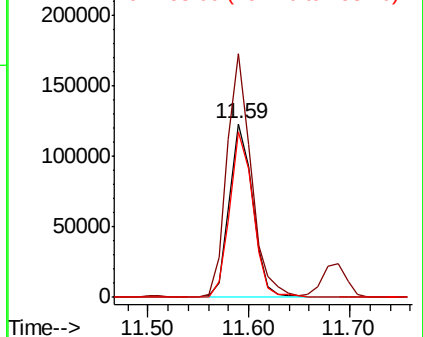
158 95.7 49.1 147.3



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 58.031 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059690.D

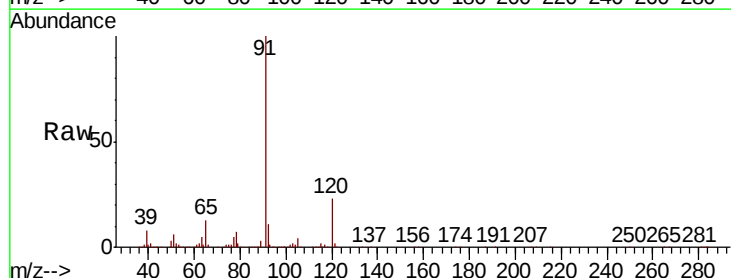
Acq: 30 Jul 2018 15:57

Tgt Ion: 91 Resp: 832163

Ion Ratio Lower Upper

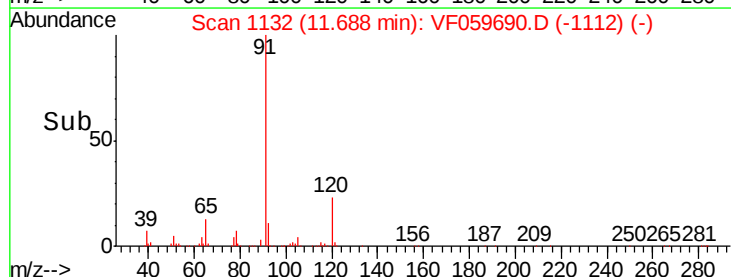
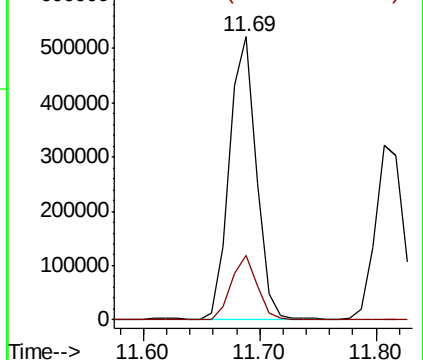
91 100

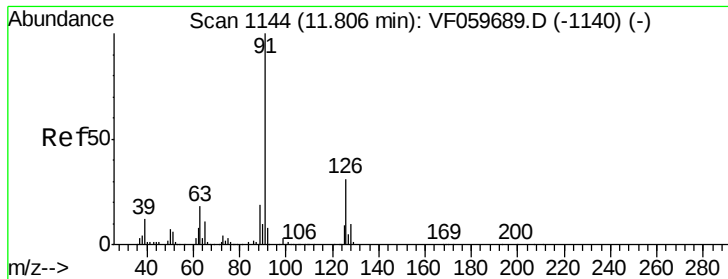
120 22.6 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 60.919 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

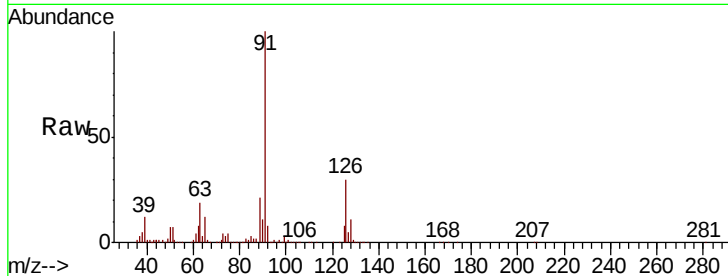
ClientSampleId :

Tot Ion: 91 Resp: 531637

Ion Ratio Lower Upper

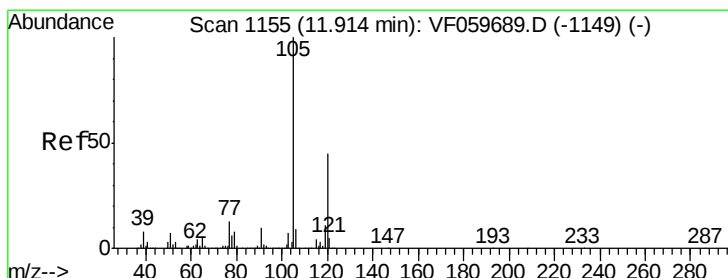
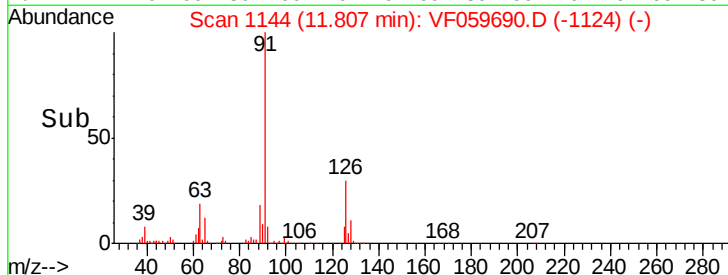
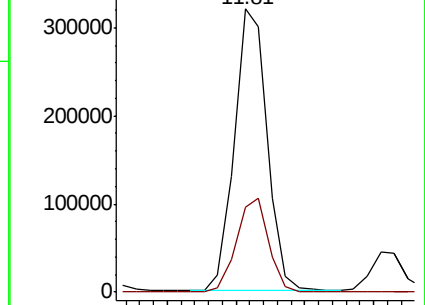
91 100

126 29.9 15.4 46.2



Abundance Ion 91.00 (90.70 to 91.70): VF059689.D (-1140) (-)

Ion 126.00 (125.70 to 126.70): VF059689.D (-1140) (-)



#80

1,3,5-Trimethylbenzene

Concen: 60.496 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF059690.D

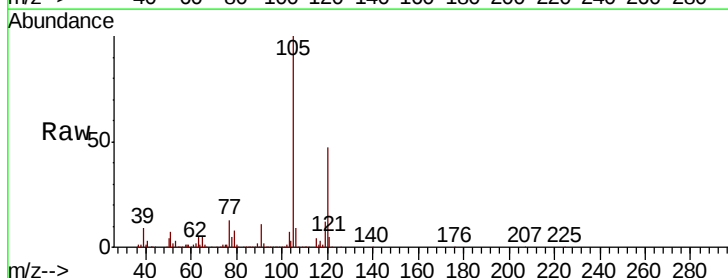
Acq: 30 Jul 2018 15:57

Tgt Ion: 105 Resp: 660932

Ion Ratio Lower Upper

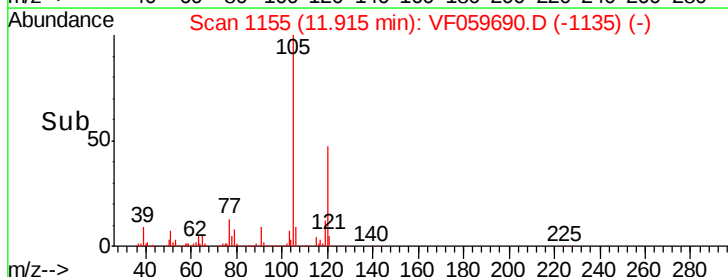
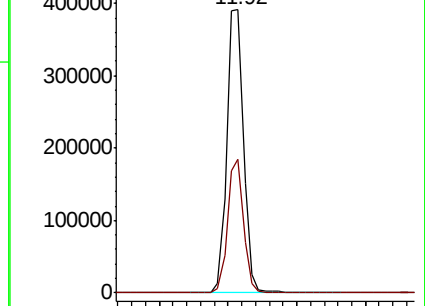
105 100

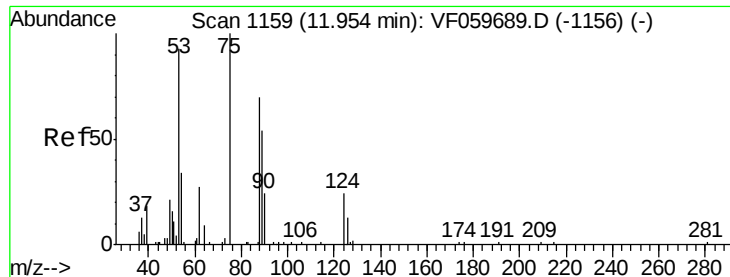
120 47.3 22.7 68.0



Abundance Ion 105.00 (104.70 to 105.70): VF059689.D (-1149) (-)

Ion 120.00 (119.70 to 120.70): VF059689.D (-1149) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 78.730 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

ClientSampleId :

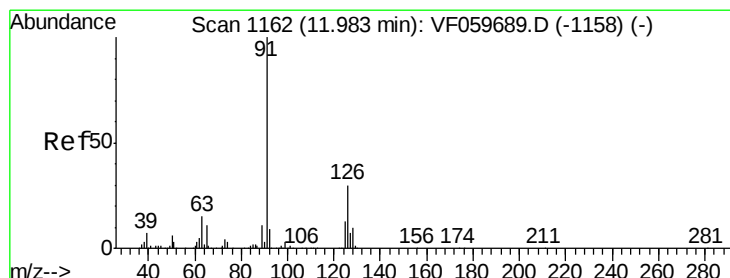
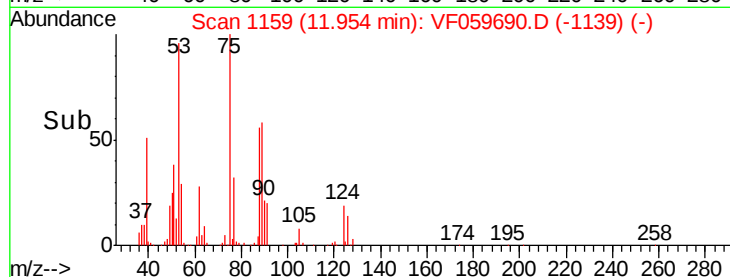
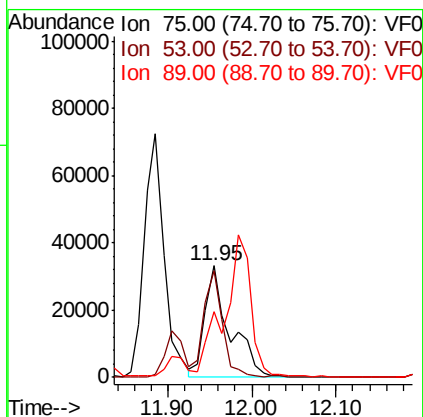
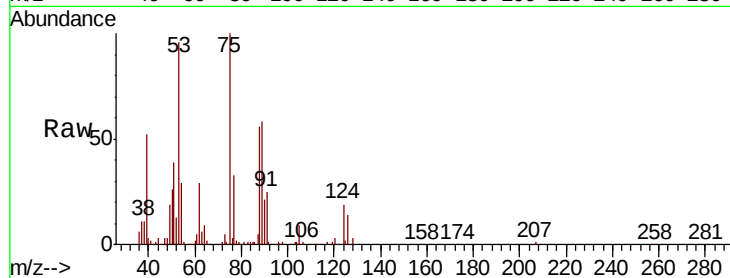
Tot Ion: 75 Resp: 68623

Ion Ratio Lower Upper

75 100

53 96.0 78.3 117.5

89 58.2 45.4 68.2



#82

4-Chlorotoluene

Concen: 59.276 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059690.D

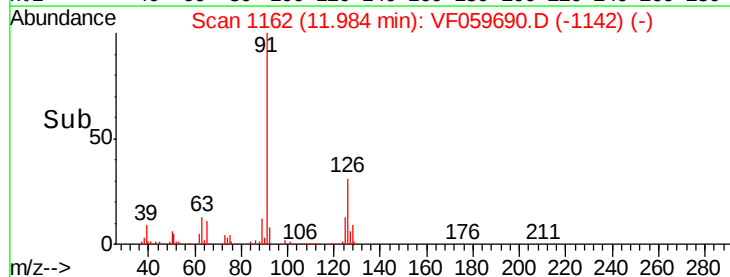
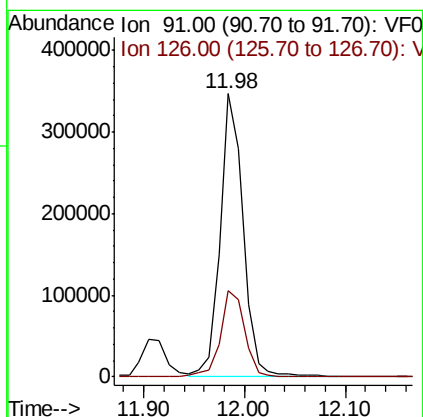
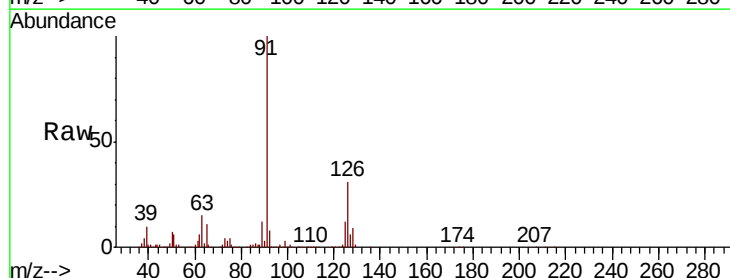
Acq: 30 Jul 2018 15:57

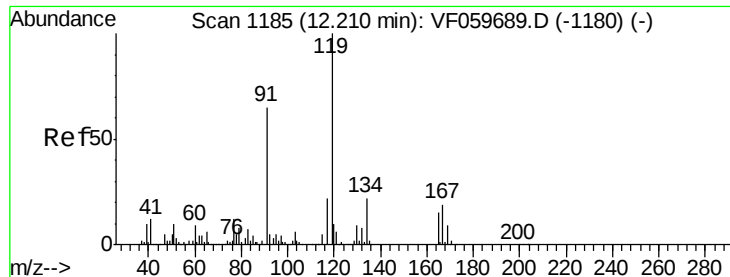
Tgt Ion: 91 Resp: 545072

Ion Ratio Lower Upper

91 100

126 30.6 15.2 45.6





#83

tert-Butylbenzene

Concen: 62.880 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

ClientSampled :

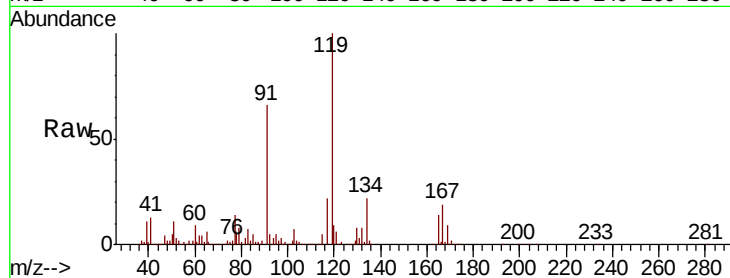
Tot Ion:119 Resp: 694242

Ion Ratio Lower Upper

119 100

91 66.1 32.8 98.4

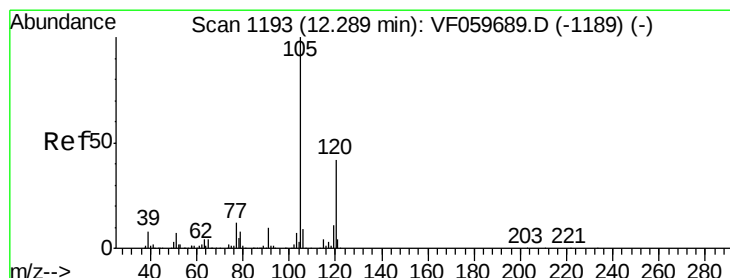
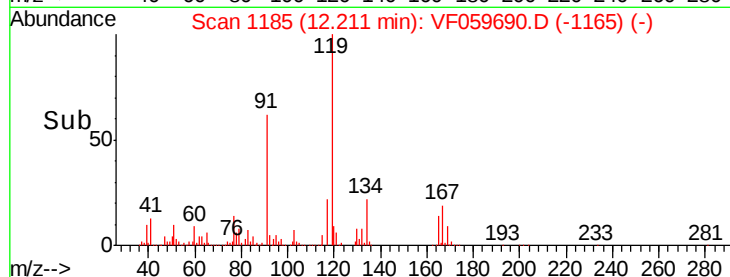
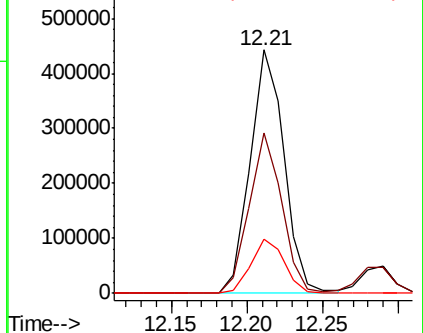
134 22.1 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 59.354 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VF059690.D

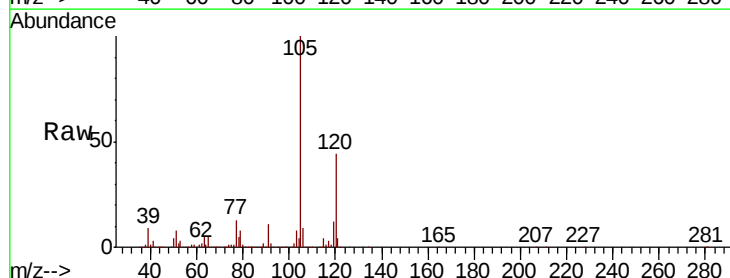
Acq: 30 Jul 2018 15:57

Tgt Ion:105 Resp: 666267

Ion Ratio Lower Upper

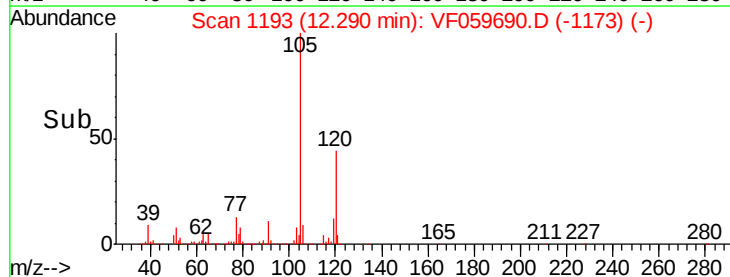
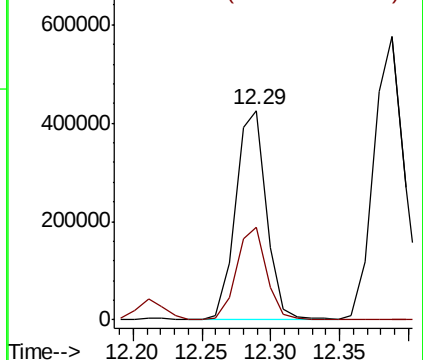
105 100

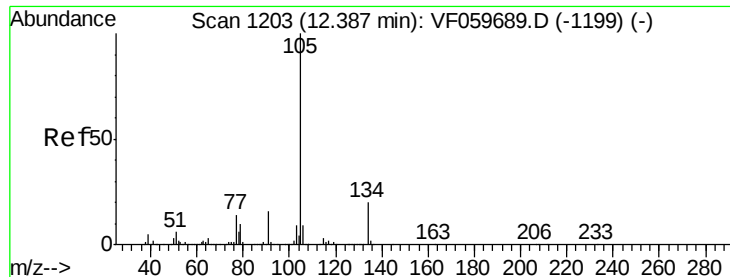
120 44.2 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 60.931 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

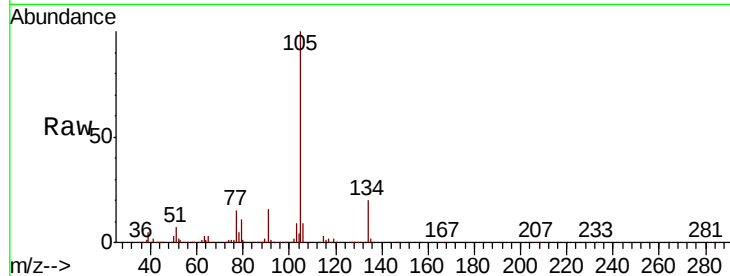
ClientSampleId :

Tot Ion:105 Resp: 885075

Ion Ratio Lower Upper

105 100

134 20.5 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.39

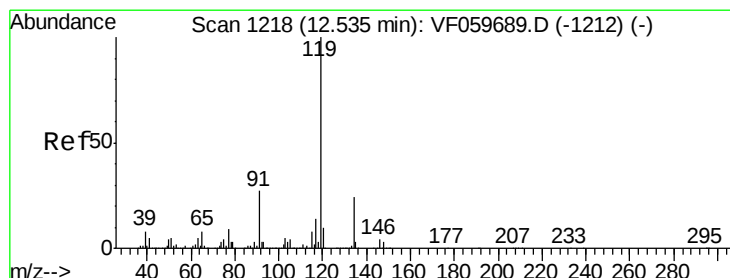
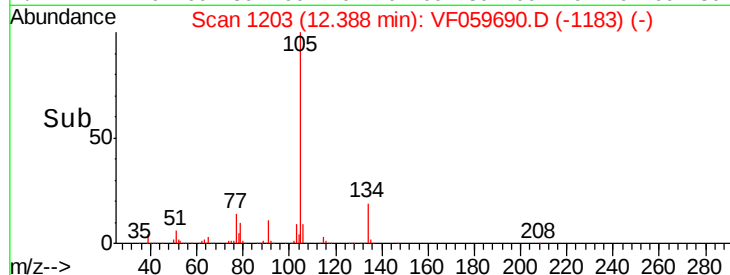
600000

400000

200000

0

Time--> 12.30 12.40 12.50



#86

p-Isopropyltoluene

Concen: 59.674 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

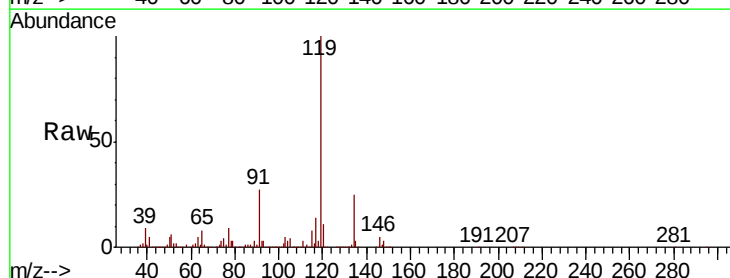
Tgt Ion:119 Resp: 745387

Ion Ratio Lower Upper

119 100

134 24.9 12.2 36.6

91 27.4 13.4 40.2



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): V

12.54

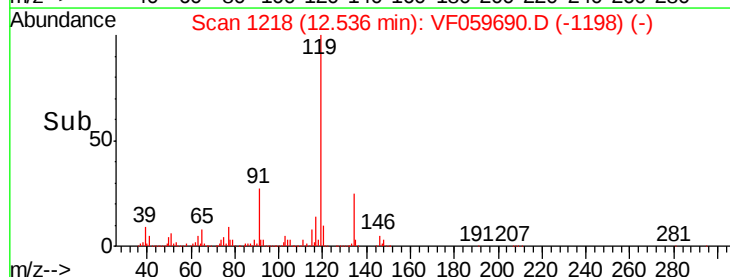
600000

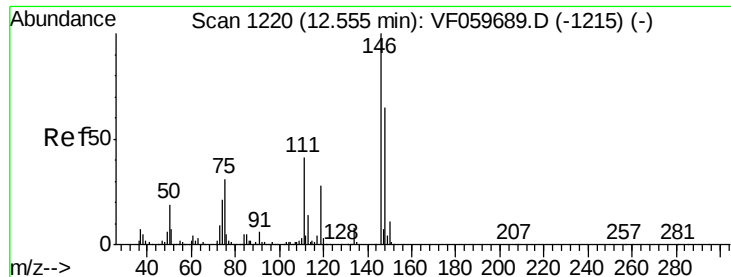
400000

200000

0

Time--> 12.40 12.50 12.60

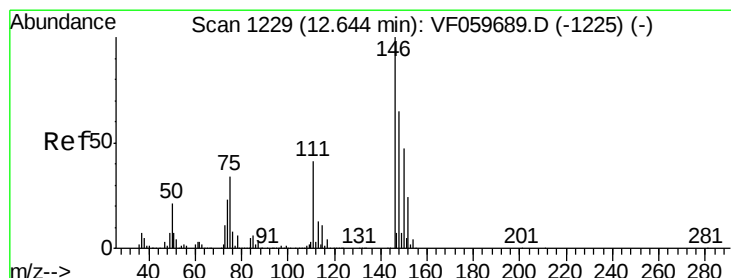
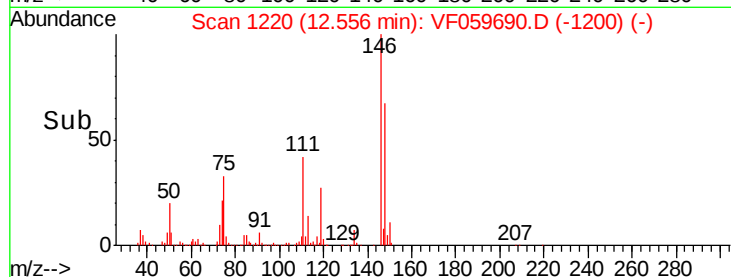
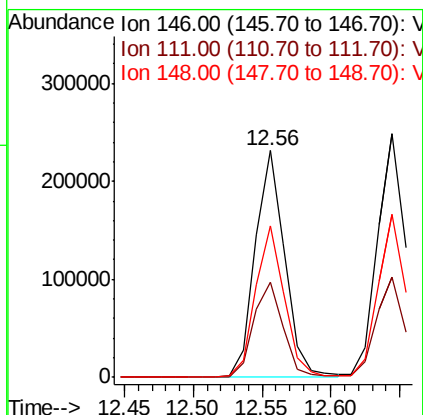
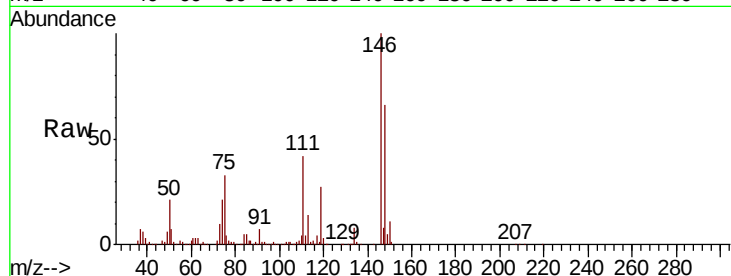




#87
 1,3-Dichlorobenzene
 Concen: 59.077 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

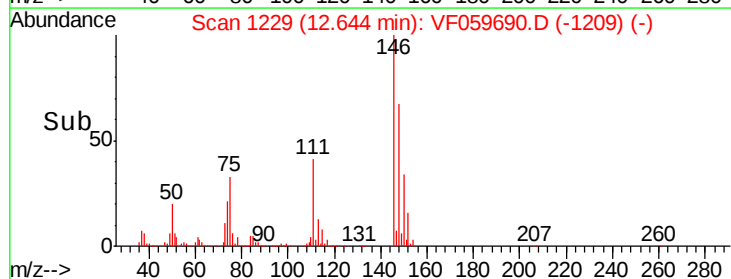
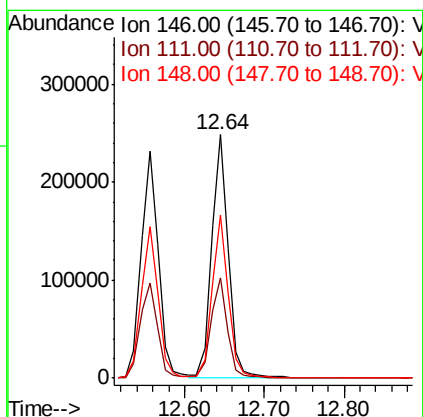
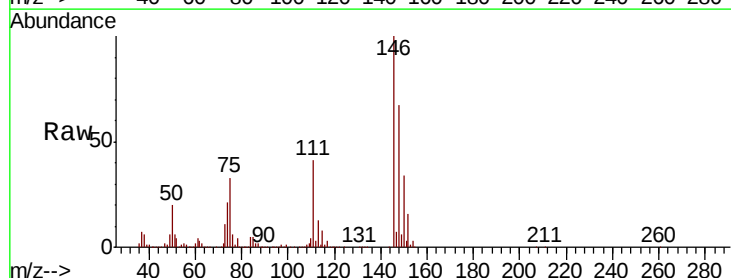
Instrument :
 MSVOA_F
 ClientSampleId :

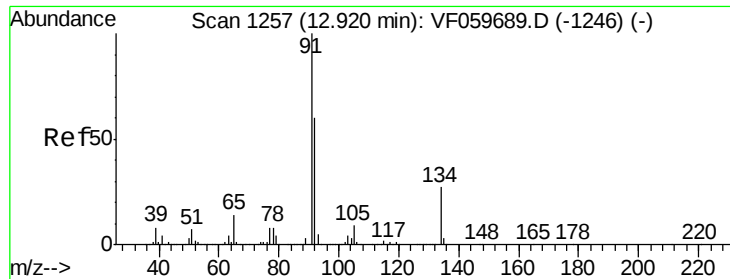
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.7	62.1
148	66.5	32.3	96.8



#88
 1,4-Dichlorobenzene
 Concen: 64.811 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.2
148	67.1	32.3	96.9





#89

n-Butylbenzene

Concen: 59.425 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

ClientSampled :

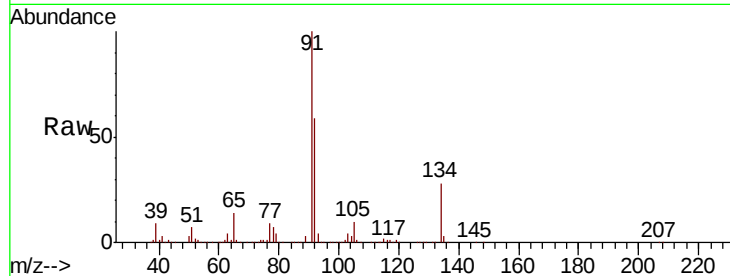
Tot Ion: 91 Resp: 717826

Ion Ratio Lower Upper

91 100

92 59.0 30.1 90.3

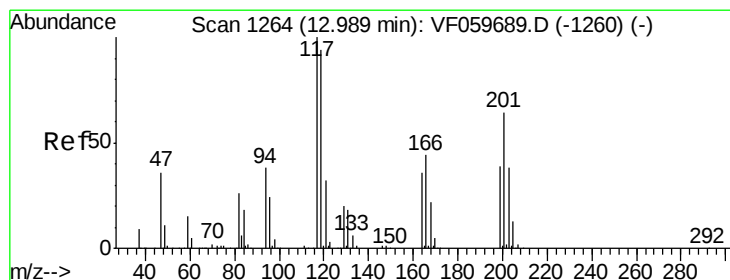
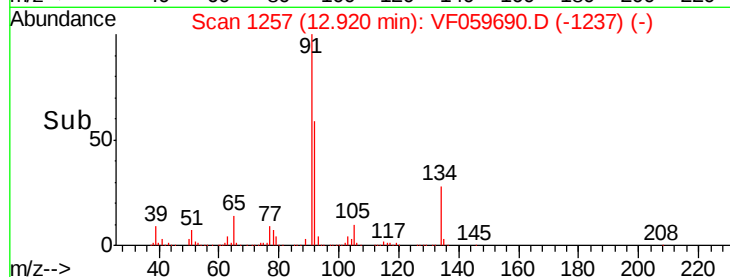
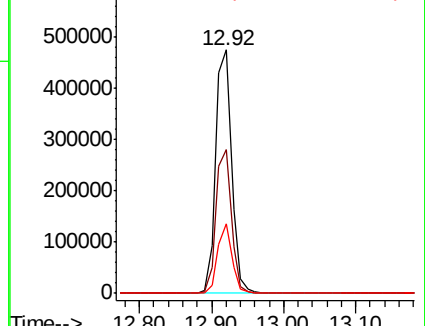
134 28.4 13.7 41.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 60.427 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF059690.D

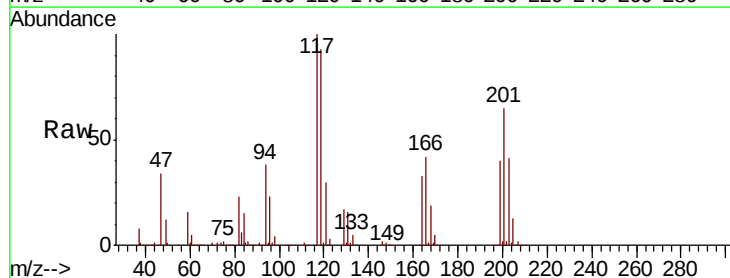
Acq: 30 Jul 2018 15:57

Tgt Ion: 117 Resp: 192136

Ion Ratio Lower Upper

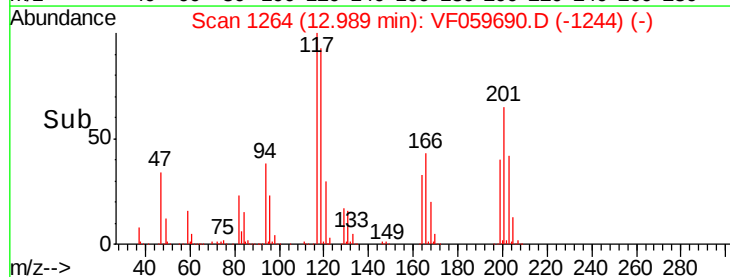
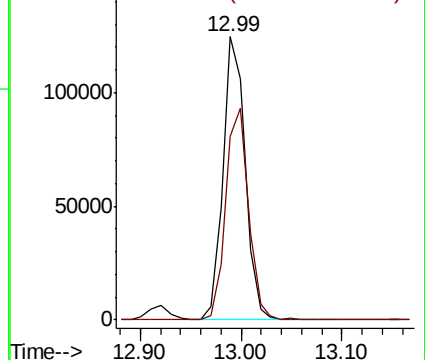
117 100

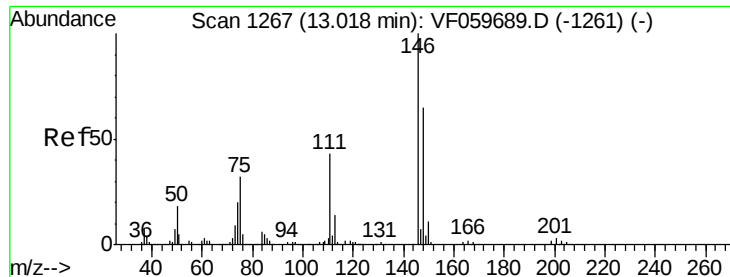
201 64.8 31.9 95.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

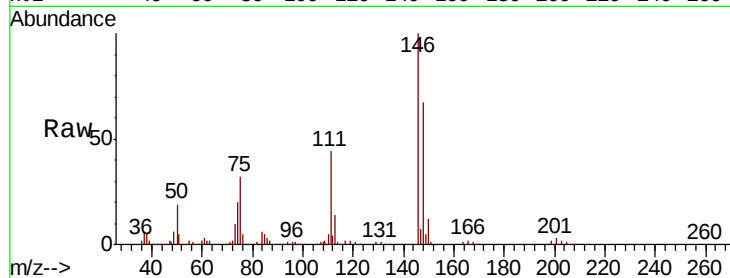




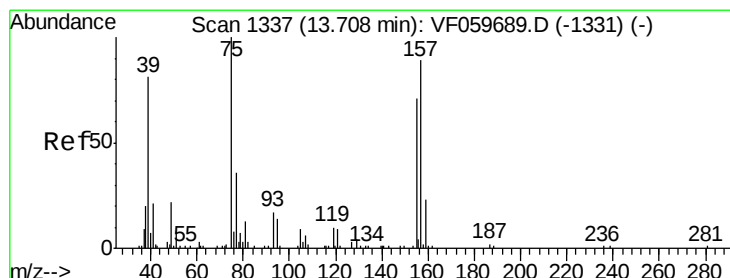
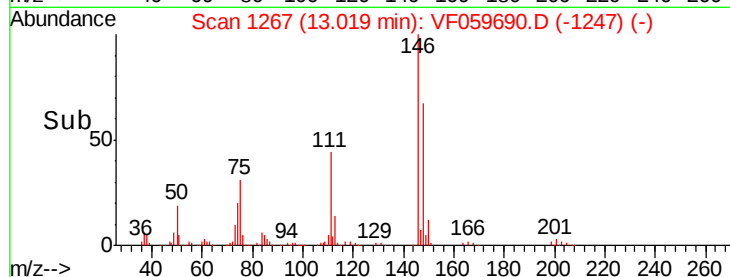
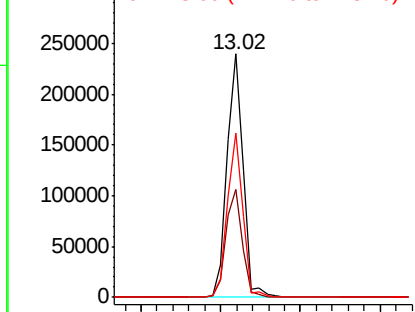
#91
 1,2-Dichlorobenzene
 Concen: 62.247 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:146 Resp: 340941
 Ion Ratio Lower Upper
 146 100
 111 44.4 21.6 65.0
 148 67.4 32.3 96.9

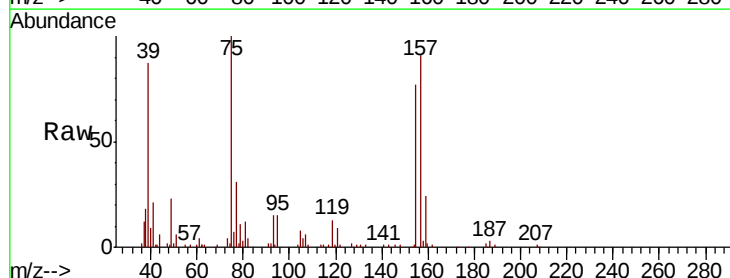


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

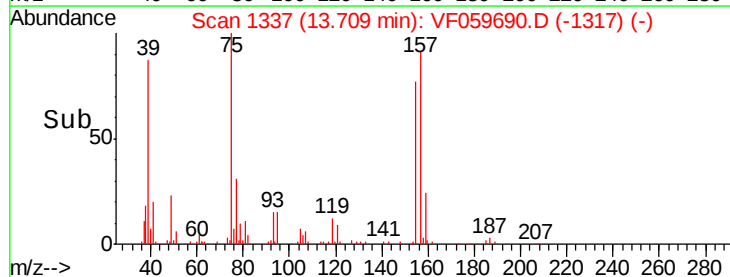
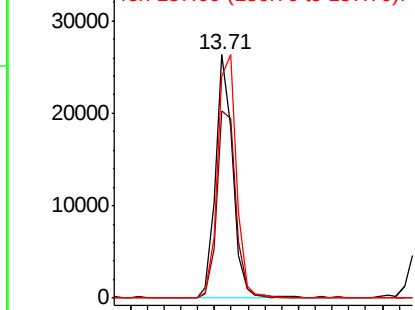


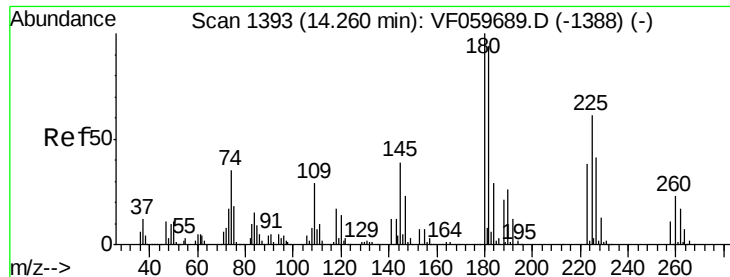
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 75.621 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Tgt Ion: 75 Resp: 37593
 Ion Ratio Lower Upper
 75 100
 155 77.0 35.4 106.2
 157 94.1 44.4 133.2



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

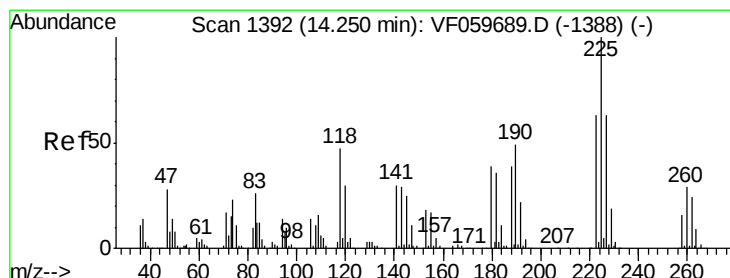
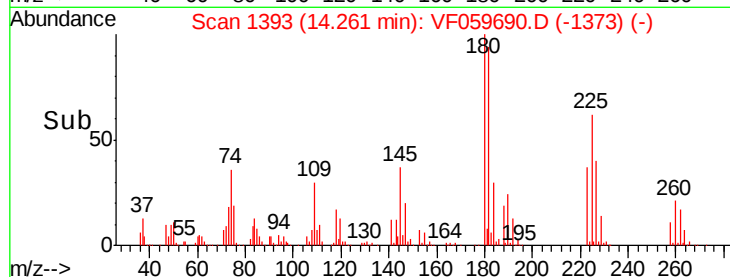
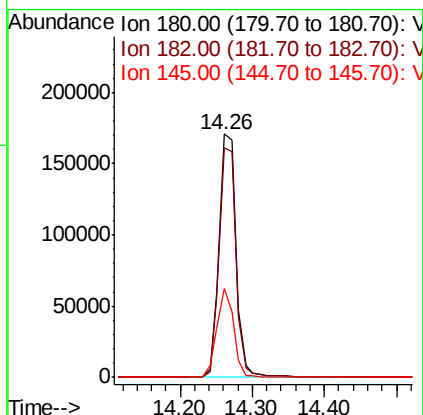
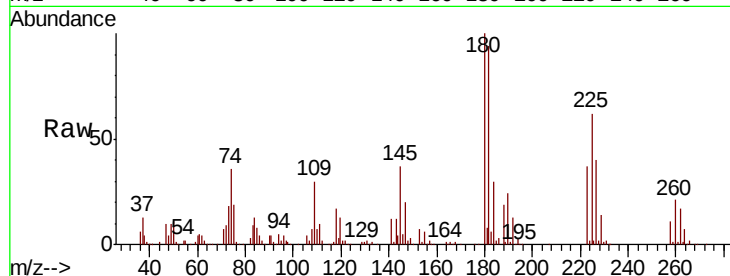




#93
 1,2,4-Trichlorobenzene
 Concen: 63.225 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

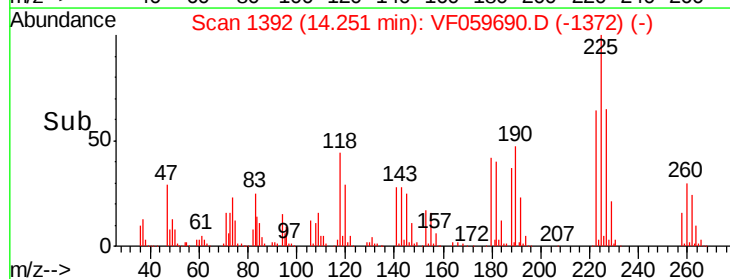
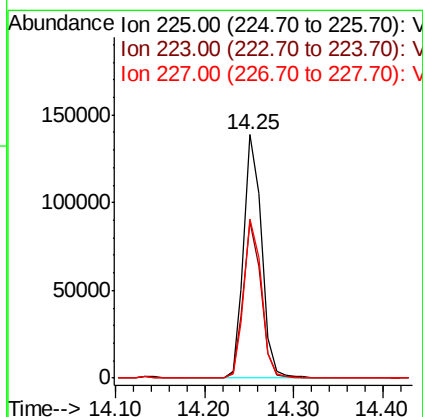
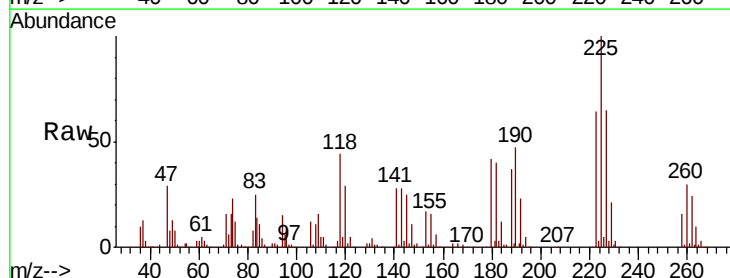
Instrument :
 MSVOA_F
 ClientSampled :

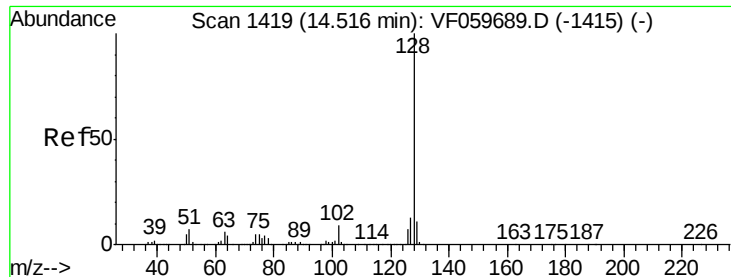
Tot Ion:180 Resp: 277531
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.2 141.6
 145 36.7 19.3 57.9



#94
 Hexachlorobutadiene
 Concen: 60.271 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Tgt Ion:225 Resp: 194640
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.4 94.2
 227 65.5 31.5 94.5

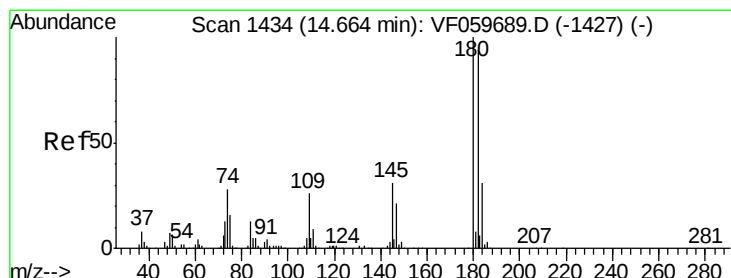
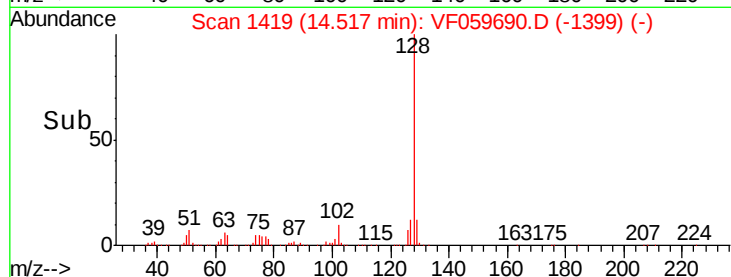
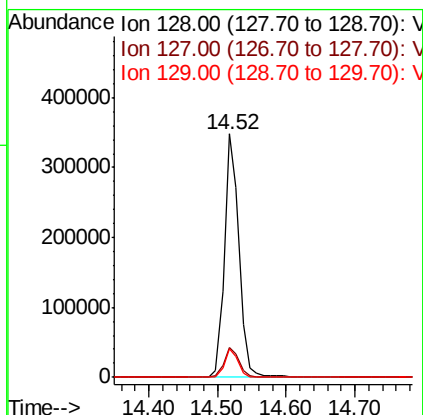
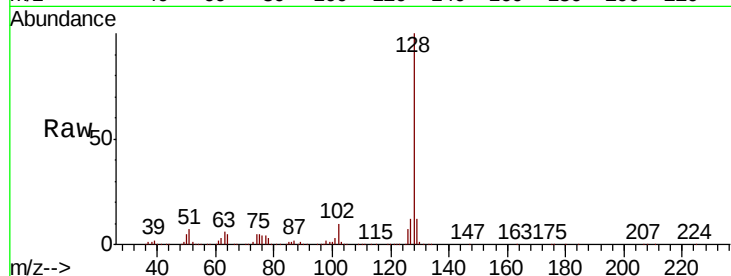




#95
Naphthalene
Concen: 73.064 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 511042
Ion Ratio Lower Upper
128 100
127 12.4 10.0 15.0
129 11.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 68.197 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion:180 Resp: 272113
Ion Ratio Lower Upper
180 100
182 98.3 47.2 141.6
145 34.7 15.6 46.7

