

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059697.D
 Acq On : 30 Jul 2018 19:32
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 92 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 31 03:54:24 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	189069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	271142	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	278358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	180723	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	486752	163.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	327.82%	
35) Dibromofluoromethane	4.29	113	384882	148.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.64%	
50) Toluene-d8	7.70	98	905911	144.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.76%	
62) 4-Bromofluorobenzene	11.50	95	497086	146.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	296261	151.745	ug/l	99
3) Chloromethane	1.08	50	152939	138.565	ug/l	89
4) Vinyl Chloride	1.15	62	165773	141.877	ug/l	90
5) Bromomethane	1.33	94	135011	132.746	ug/l	97
6) Chloroethane	1.42	64	99223	136.114	ug/l #	85
7) Trichlorofluoromethane	1.53	101	296664	84.435	ug/l	97
8) Diethyl Ether	1.69	74	81163	163.062	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.89	101	245018	131.169	ug/l	99
10) Methyl Iodide	1.96	142	364183	133.207	ug/l	94
11) Tert butyl alcohol	2.69	59	103803	814.253	ug/l #	94
12) 1,1-Dichloroethene	1.84	96	191472	138.547	ug/l	99
13) Acrolein	2.08	56	55060	975.844	ug/l	88
14) Allyl chloride	2.18	41	316229	139.887	ug/l	91
15) Acrylonitrile	3.06	53	169395	871.725	ug/l	92
16) Acetone	2.33	43	418261	773.008	ug/l	100
17) Carbon Disulfide	1.88	76	260399	77.513	ug/l #	93
18) Methyl Acetate	2.44	43	131929	145.657	ug/l	94
19) Methyl tert-butyl Ether	2.53	73	601069	155.635	ug/l	97
20) Methylene Chloride	2.27	84	73048	36.659	ug/l	91
21) trans-1,2-Dichloroethene	2.40	96	188178	132.758	ug/l	92
22) Diisopropyl ether	2.92	45	687083	152.053	ug/l	94
23) Vinyl Acetate	3.32	43	1868923	834.293	ug/l	98
24) 1,1-Dichloroethane	2.98	63	457521	142.305	ug/l	97
25) 2-Butanone	4.50	43	459803	771.268	ug/l #	77
26) 2,2-Dichloropropane	3.74	77	323405	123.660	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	241986	145.548	ug/l	91
28) Bromochloromethane	3.87	49	165996	140.149	ug/l	89
29) Tetrahydrofuran	4.25	42	175466	733.295	ug/l	97
30) Chloroform	4.02	83	665423	146.515	ug/l	99
31) Cyclohexane	3.84	56	232263	125.729	ug/l	96
32) 1,1,1-Trichloroethane	4.26	97	491040	131.806	ug/l	98
36) 1,1-Dichloropropene	4.44	75	387401	131.726	ug/l	100
37) Ethyl Acetate	4.28	43	190384	148.399	ug/l #	80
38) Carbon Tetrachloride	4.16	117	611840	141.795	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	291646	121.848	ug/l	92
40) Benzene	4.80	78	724114	138.624	ug/l	98
41) Methacrylonitrile	4.91	41	101294	160.339	ug/l #	88
42) 1,2-Dichloroethane	5.10	62	530873	156.186	ug/l	97
43) Isopropyl Acetate	7.10	43	244826	184.307	ug/l #	93
44) Trichloroethene	5.67	130	253009	125.060	ug/l	85
45) 1,2-Dichloropropane	6.40	63	192596	138.740	ug/l	95
46) Dibromomethane	6.24	93	194328	161.207	ug/l	91
47) Bromodichloromethane	6.53	83	521951	147.784	ug/l	96
48) Methyl methacrylate	6.86	41	187248	179.605	ug/l	98
49) 1,4-Dioxane	6.85	88	28733	3453.558	ug/l #	84
51) 4-Methyl-2-Pentanone	8.40	43	855753	800.533	ug/l	97
52) Toluene	7.77	92	536075	138.163	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	443184	156.879	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	449914	153.488	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	216613	168.089	ug/l	93
56) Ethyl methacrylate	8.75	69	241180	176.538	ug/l	96
57) 1,3-Dichloropropane	8.99	76	368548	165.383	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.78	63	119071	721.855	ug/l	100
59) 2-Hexanone	9.62	43	676042	852.569	ug/l	96
60) Dibromochloromethane	8.86	129	395196	169.989	ug/l	100
61) 1,2-Dibromoethane	9.13	107	259495	166.517	ug/l	93
64) Tetrachloroethene	8.30	164	265563	119.732	ug/l	96
65) Chlorobenzene	9.93	112	722057	133.510	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	351358	141.155	ug/l	99
67) Ethyl Benzene	10.03	91	1245354	126.982	ug/l	97
68) m/p-Xylenes	10.26	106	853150	251.368	ug/l	95
69) o-Xylene	10.82	106	479781	130.898	ug/l	92
70) Styrene	10.90	104	706918	132.619	ug/l	98
71) Bromoform	10.88	173	237618	154.809	ug/l #	95
73) Isopropylbenzene	11.23	105	1496065	121.280	ug/l	98
74) N-amyl acetate	11.46	43	395960	156.618	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	295447	145.851	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	251709	151.298	ug/l	96
77) Bromobenzene	11.59	156	386909	129.221	ug/l #	61
78) n-propylbenzene	11.69	91	1679723	118.191	ug/l	94
79) 2-Chlorotoluene	11.81	91	1065464	123.189	ug/l	95
80) 1,3,5-Trimethylbenzene	11.91	105	1305753	120.595	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	147371	170.601	ug/l	98
82) 4-Chlorotoluene	11.98	91	1156516	126.903	ug/l	98
83) tert-Butylbenzene	12.21	119	1288261	117.734	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	1329798	119.532	ug/l	98
85) sec-Butylbenzene	12.39	105	1648829	114.533	ug/l	96
86) p-Isopropyltoluene	12.54	119	1431776	115.658	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	694450	118.938	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	719953	129.430	ug/l	97
89) n-Butylbenzene	12.91	91	1348260	112.621	ug/l	98
90) Hexachloroethane	12.99	117	385328	122.279	ug/l	93
91) 1,2-Dichlorobenzene	13.02	146	699168	128.800	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	82227	166.896	ug/l	89

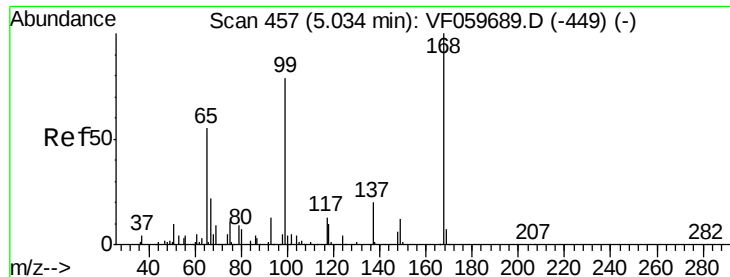
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	547616	125.878	ug/l	96
94) Hexachlorobutadiene	14.25	225	376841	117.743	ug/l	97
95) Naphthalene	14.52	128	1100450	158.751	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	553404	139.944	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

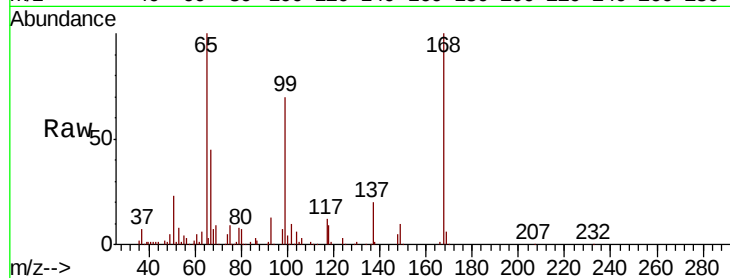
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 189069

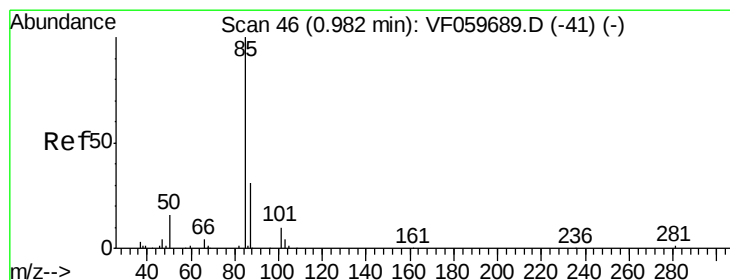
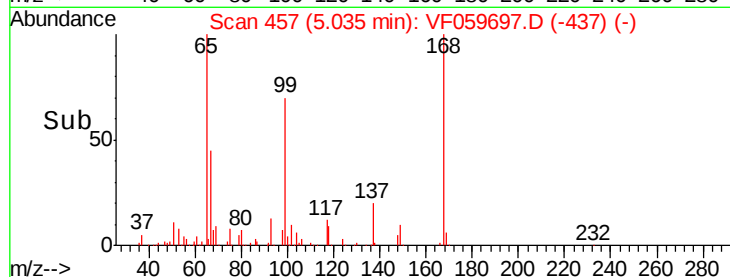
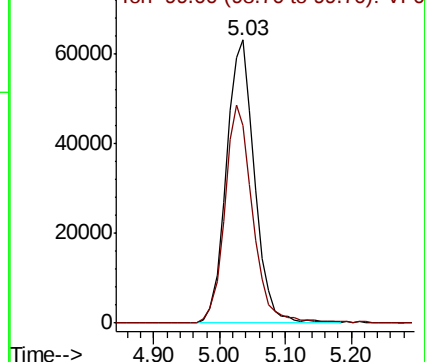
Ion Ratio Lower Upper

168 100

99 69.6 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 151.745 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059697.D

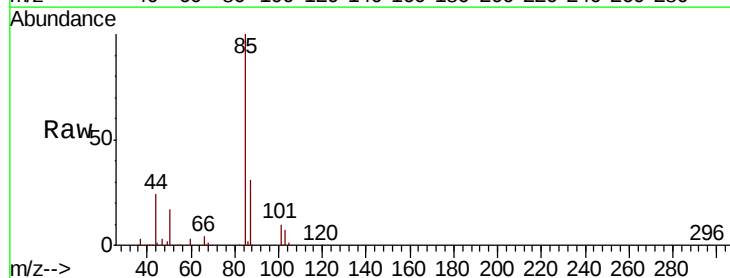
Acq: 30 Jul 2018 19:32

Tgt Ion: 85 Resp: 296261

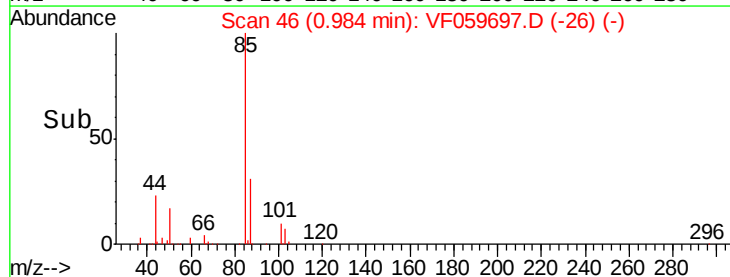
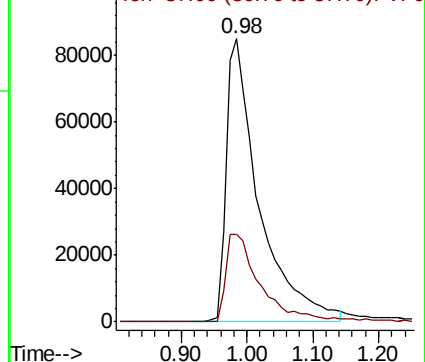
Ion Ratio Lower Upper

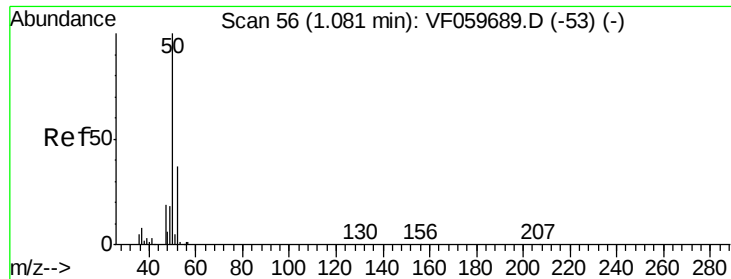
85 100

87 30.8 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 138.565 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

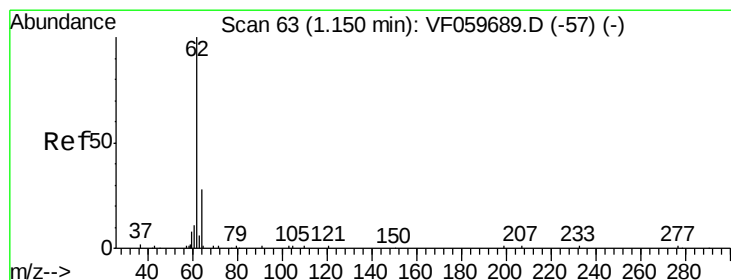
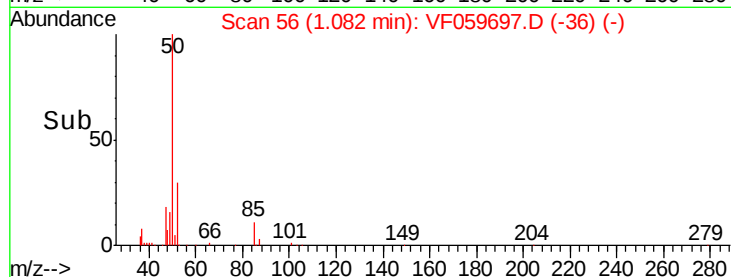
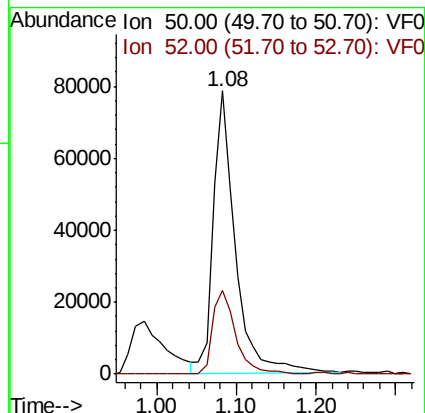
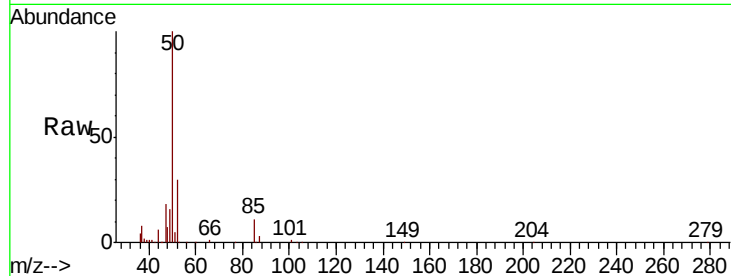
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 152939

Ion Ratio Lower Upper

50 100

52 29.7 29.1 43.7



#4

Vinyl Chloride

Concen: 141.877 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059697.D

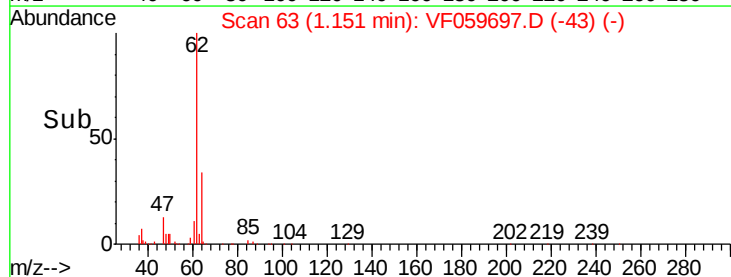
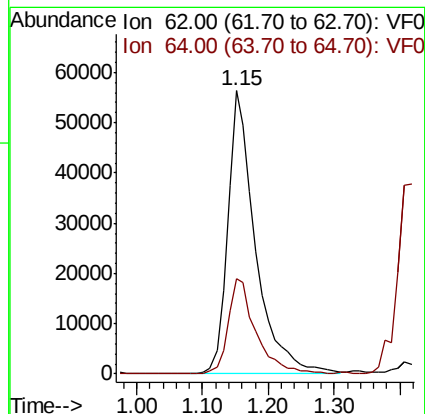
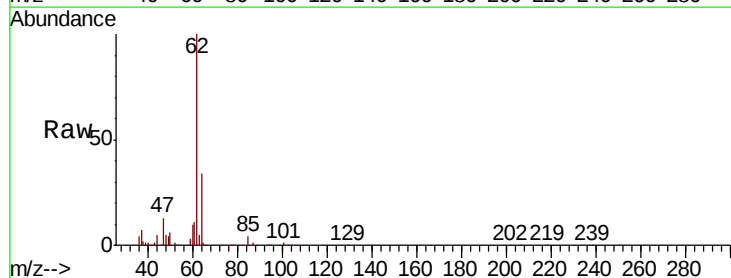
Acq: 30 Jul 2018 19:32

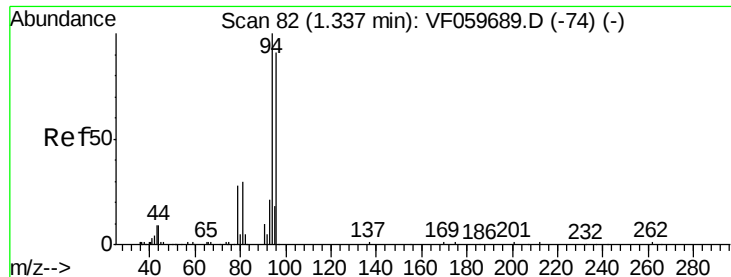
Tgt Ion: 62 Resp: 165773

Ion Ratio Lower Upper

62 100

64 33.6 22.6 33.8





#5

Bromomethane

Concen: 132.746 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

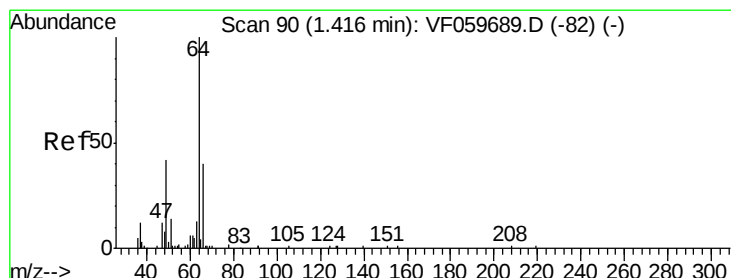
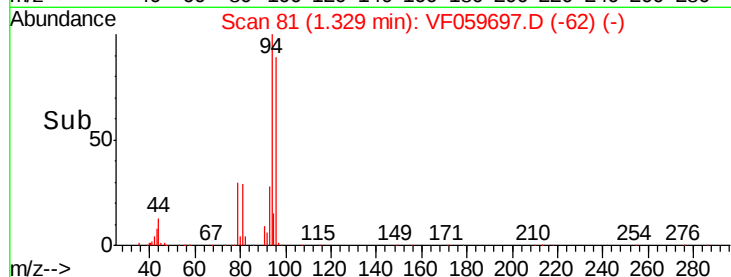
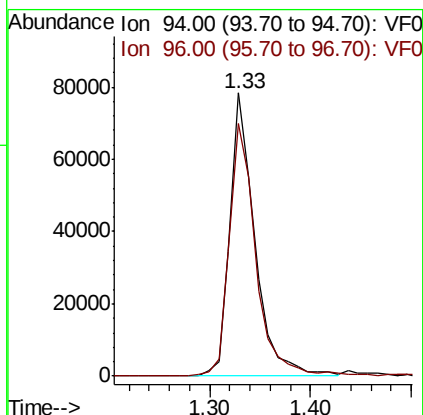
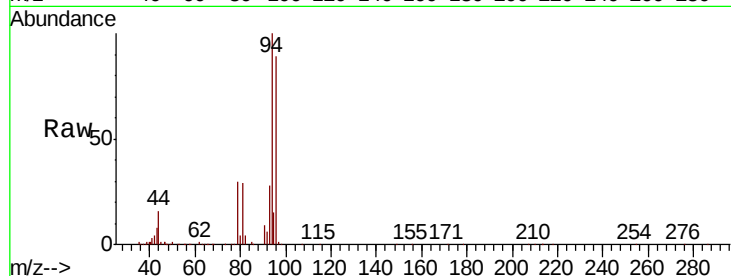
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 135011

Ion Ratio Lower Upper

94 100

96 89.1 73.6 110.4



#6

Chloroethane

Concen: 136.114 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059697.D

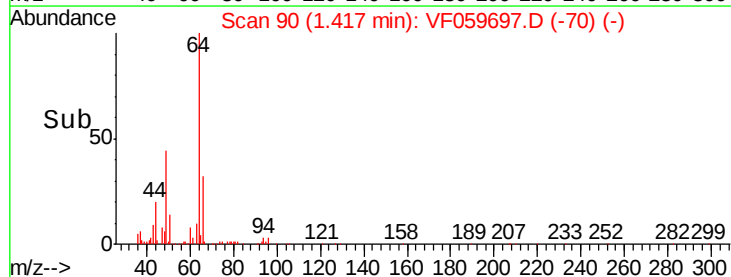
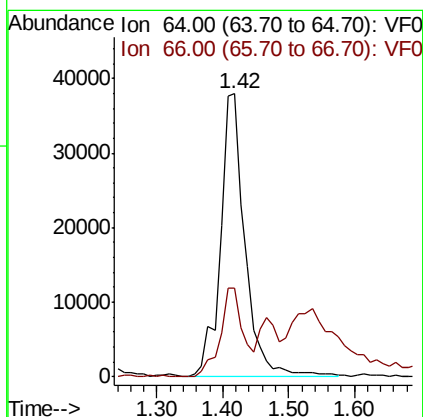
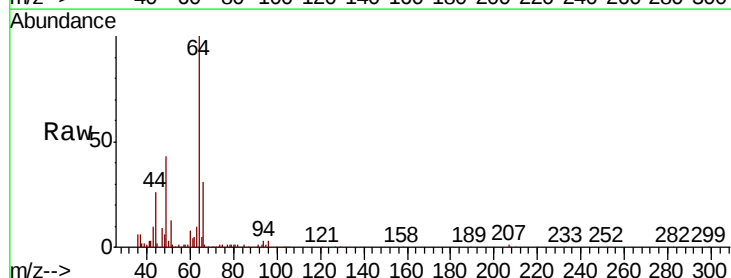
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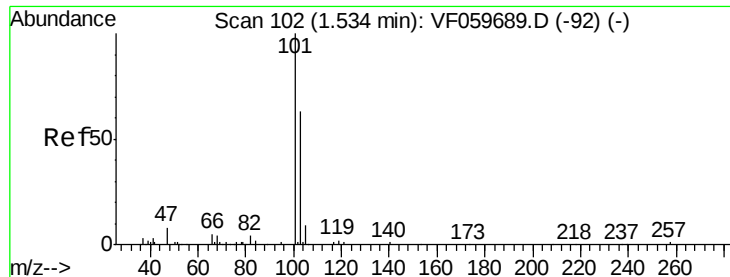
Tgt Ion: 64 Resp: 99223

Ion Ratio Lower Upper

64 100

66 31.4 32.6 49.0#



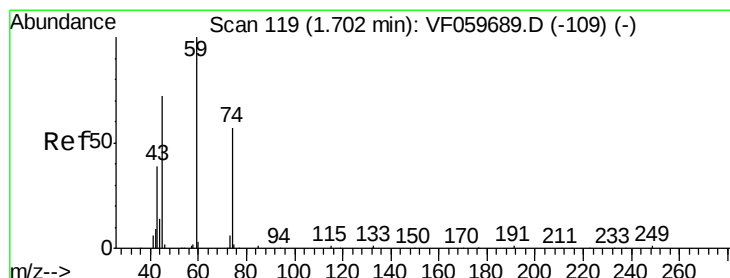
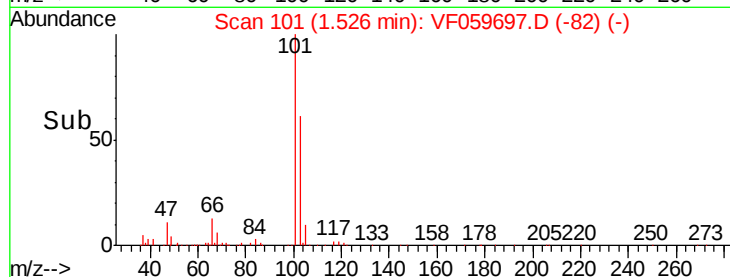
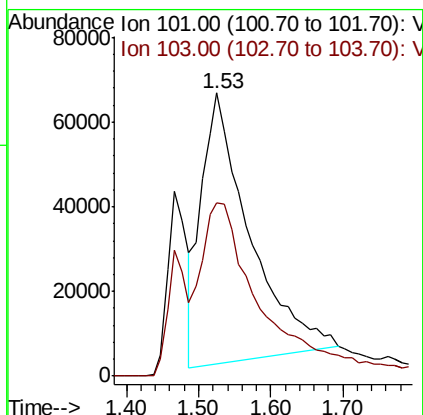
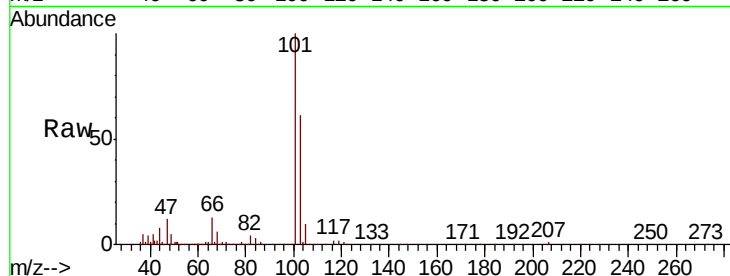


#7

Trichlorofluoromethane
Concen: 84.435 ug/l
RT: 1.53 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :

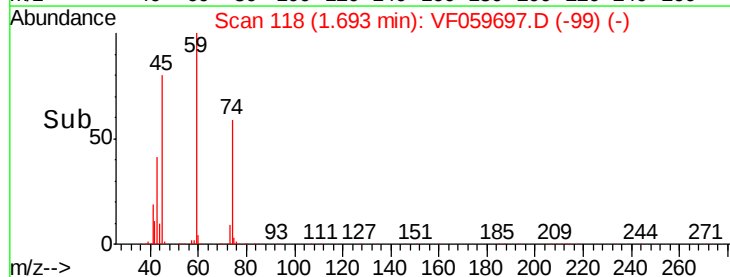
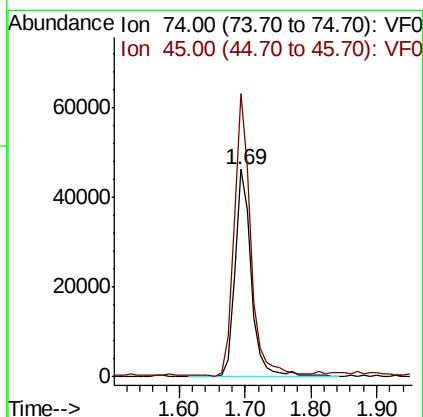
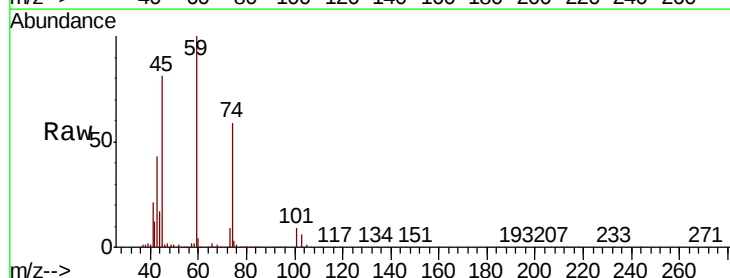
Tot Ion:101 Resp: 296664
Ion Ratio Lower Upper
101 100
103 61.4 50.8 76.2

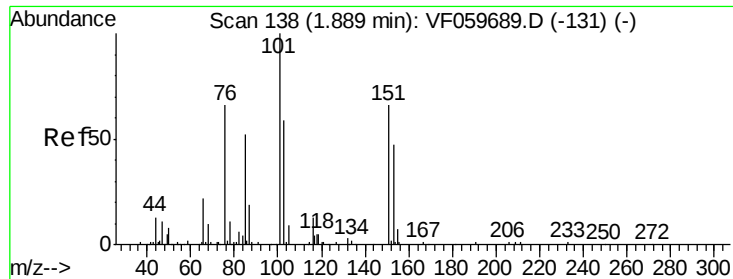


#8

Diethyl Ether
Concen: 163.062 ug/l
RT: 1.69 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion: 74 Resp: 81163
Ion Ratio Lower Upper
74 100
45 136.5 62.7 188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 131.169 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

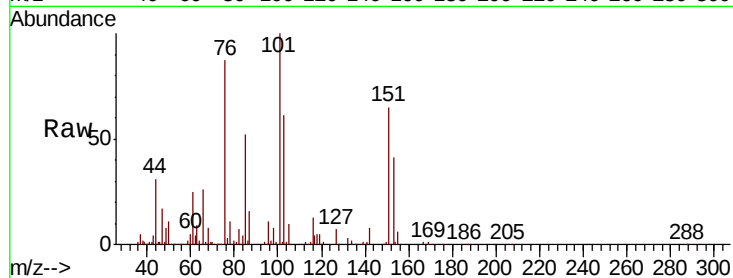
Tot Ion:101 Resp: 245018

Ion Ratio Lower Upper

101 100

85 52.2 40.7 61.1

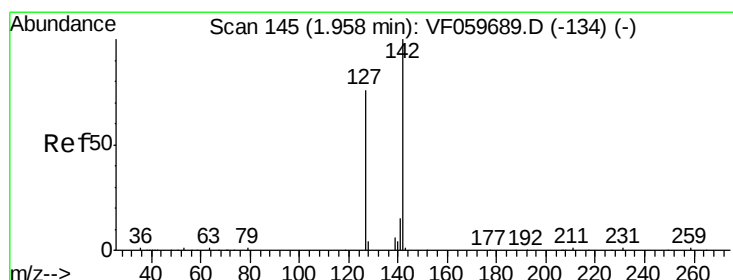
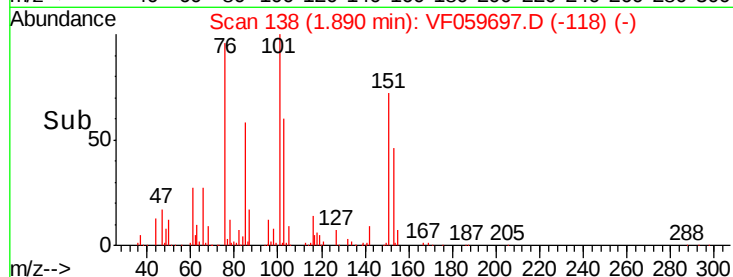
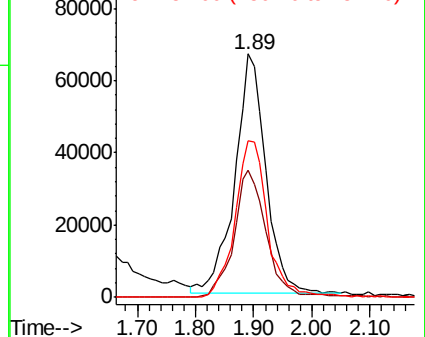
151 64.6 51.4 77.2



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: 133.207 ug/l

RT: 1.96 min Scan# 145

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

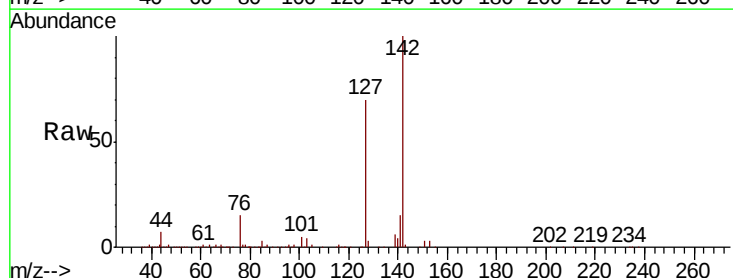
Tgt Ion:142 Resp: 364183

Ion Ratio Lower Upper

142 100

127 69.7 60.6 91.0

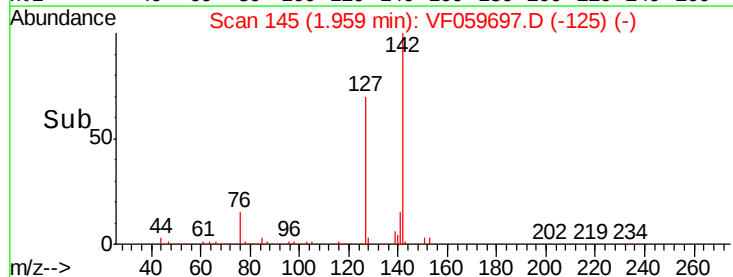
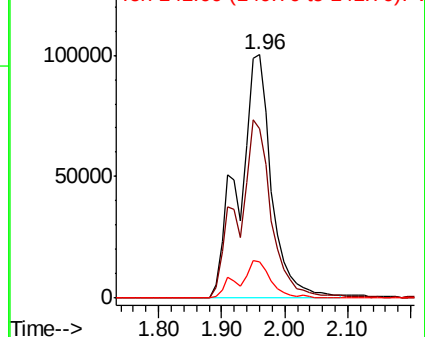
141 15.0 12.0 18.0

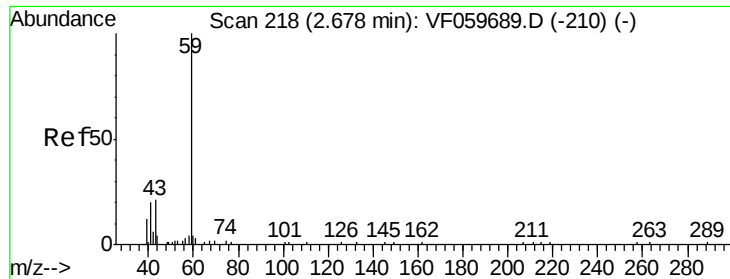


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

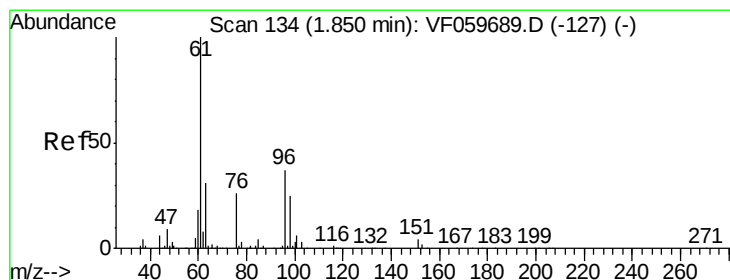
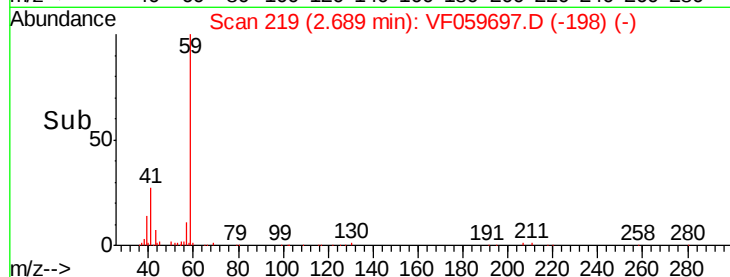
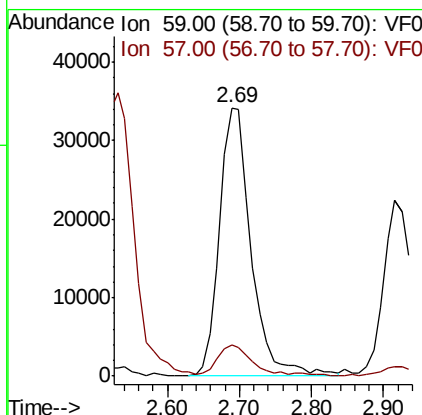
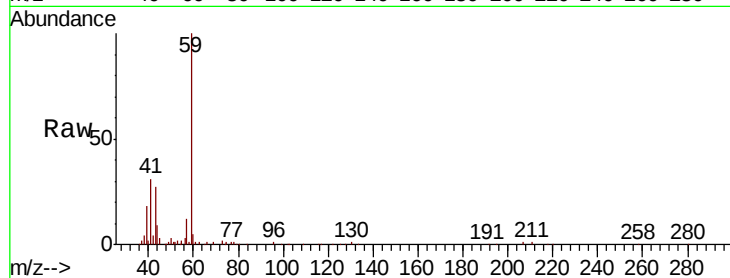




#11
Tert butyl alcohol
Concen: 814.253 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

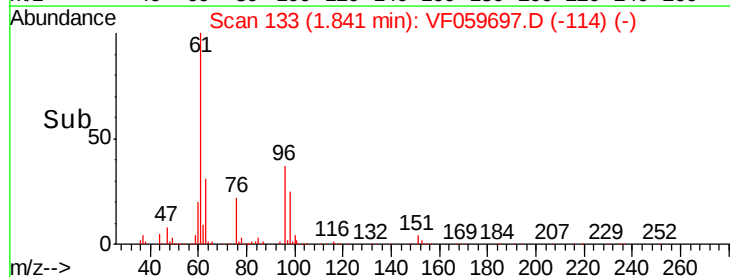
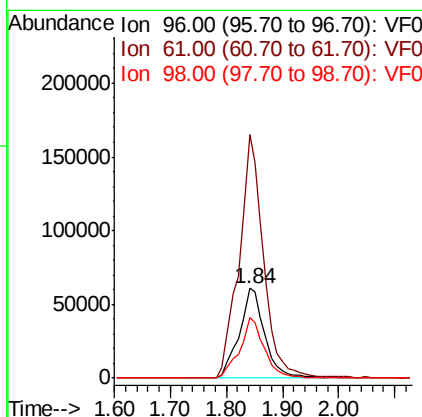
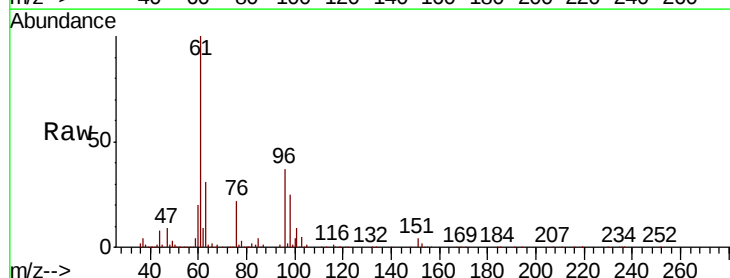
Instrument :
MSVOA_F
ClientSampleId :

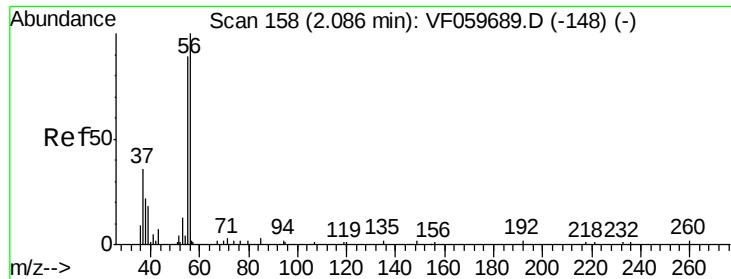
Tot Ion: 59 Resp: 103803
Ion Ratio Lower Upper
59 100
57 11.7 7.6 11.4#



#12
1,1-Dichloroethene
Concen: 138.547 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion: 96 Resp: 191472
Ion Ratio Lower Upper
96 100
61 271.4 215.1 322.7
98 68.2 54.3 81.5

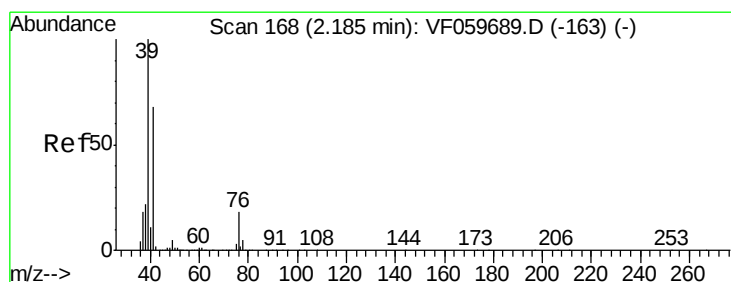
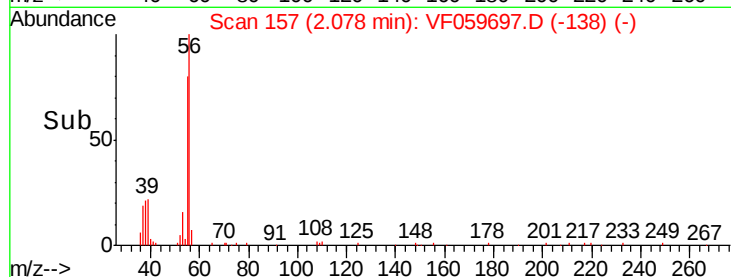
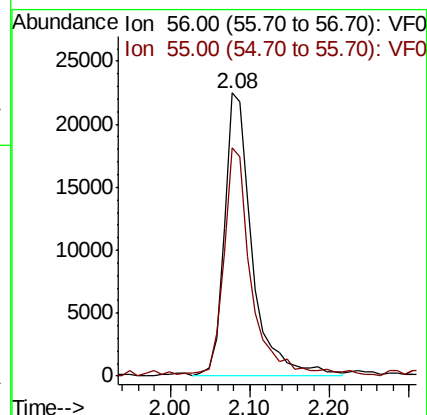
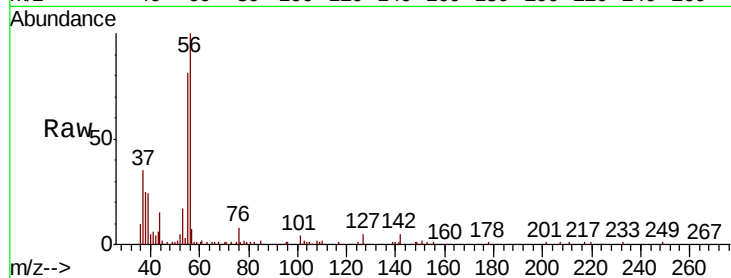




#13
Acrolein
Concen: 975.844 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

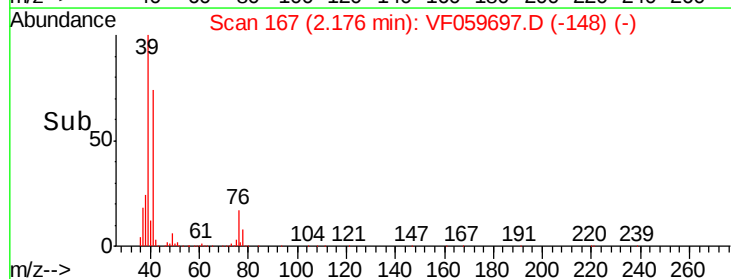
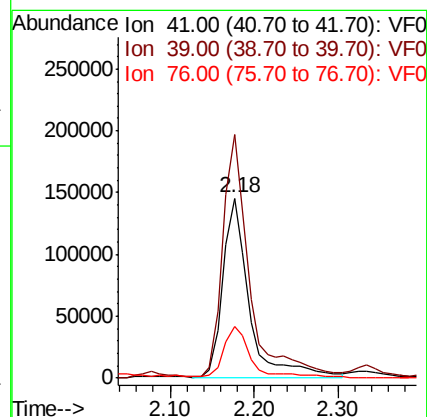
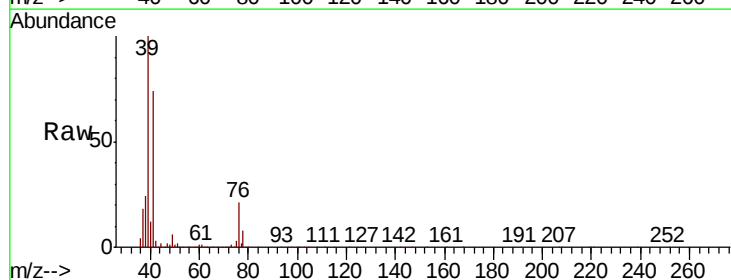
Instrument :
MSVOA_F
ClientSampleId :

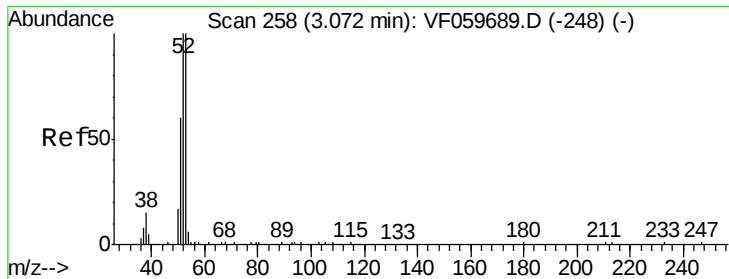
Tot Ion: 56 Resp: 55060
Ion Ratio Lower Upper
56 100
55 80.5 73.2 109.8



#14
Allyl chloride
Concen: 139.887 ug/l
RT: 2.18 min Scan# 167
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion: 41 Resp: 316229
Ion Ratio Lower Upper
41 100
39 135.4 118.1 177.1
76 28.9 22.0 33.0





#15

Acrylonitrile

Concen: 871.725 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :

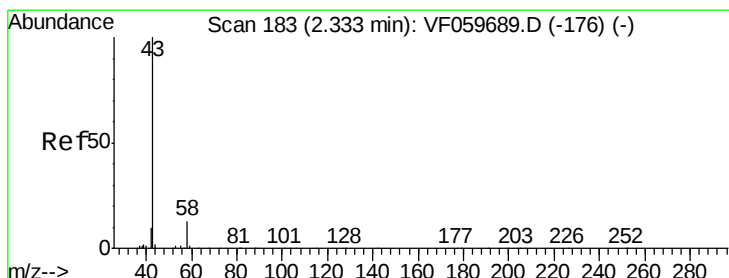
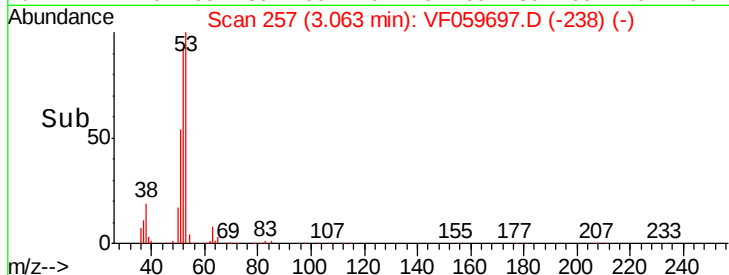
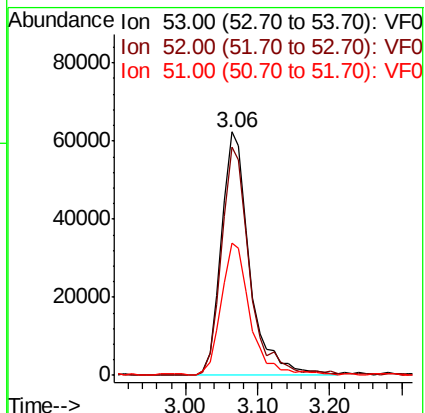
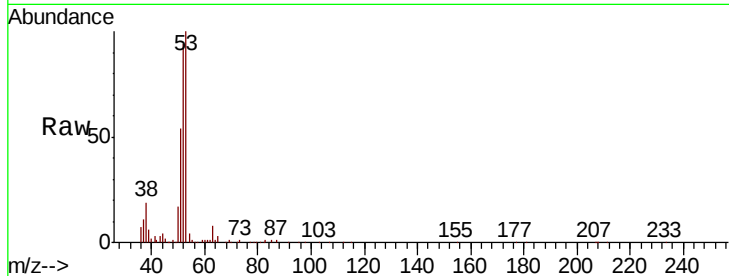
Tot Ion: 53 Resp: 169395

Ion Ratio Lower Upper

53 100

52 93.6 80.3 120.5

51 54.5 49.4 74.0



#16

Acetone

Concen: 773.008 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059697.D

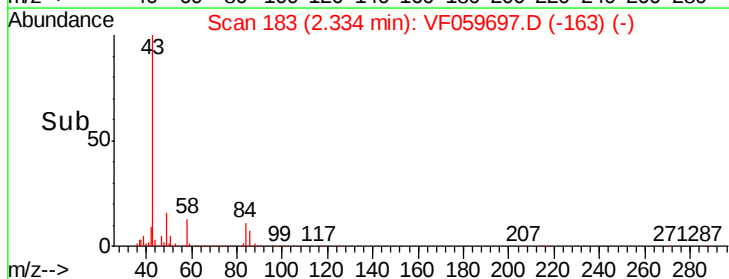
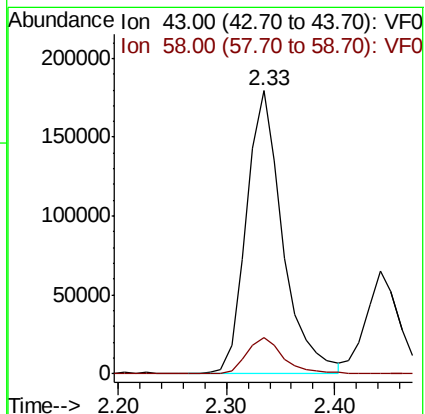
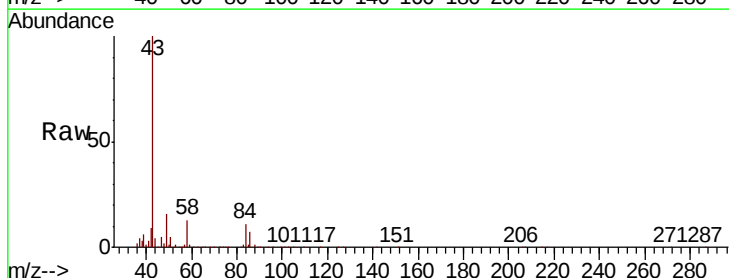
Acq: 30 Jul 2018 19:32

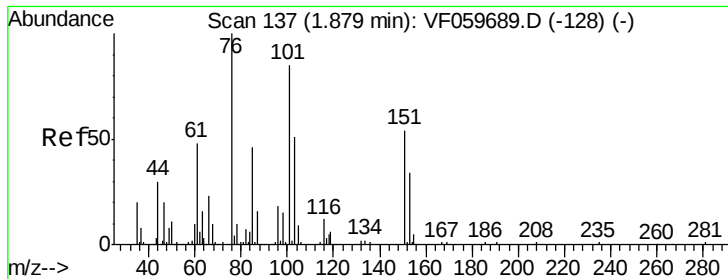
Tgt Ion: 43 Resp: 418261

Ion Ratio Lower Upper

43 100

58 12.7 10.1 15.1





#17

Carbon Disulfide

Concen: 77.513 ug/l

RT: 1.88 min Scan# 137

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

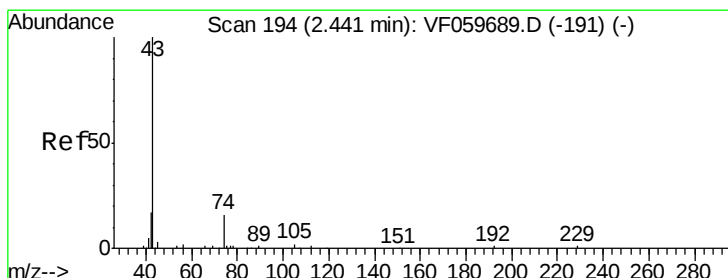
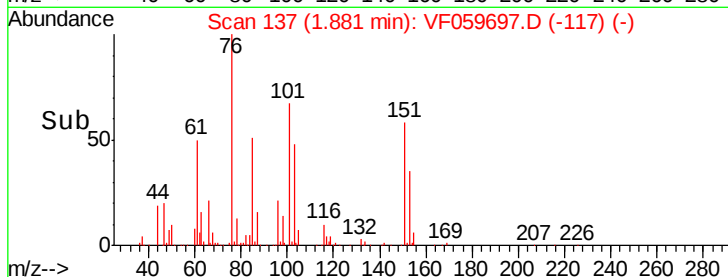
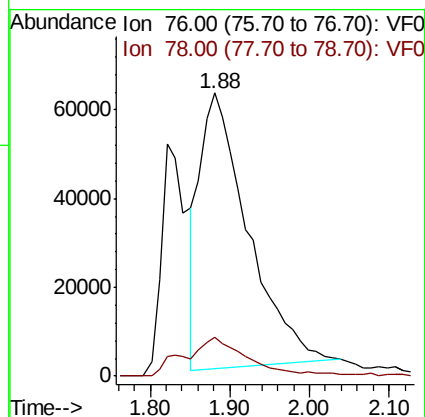
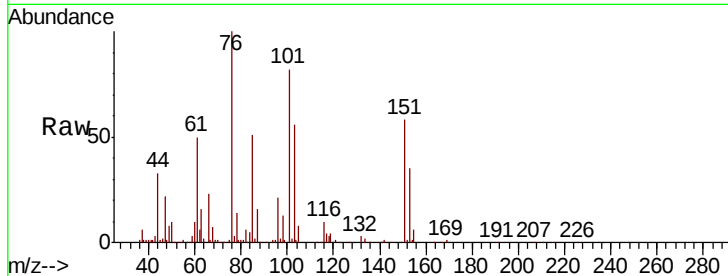
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 260399

Ion Ratio Lower Upper

76 100

78 13.6 8.9 13.3#



#18

Methyl Acetate

Concen: 145.657 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.00 min

Lab File: VF059697.D

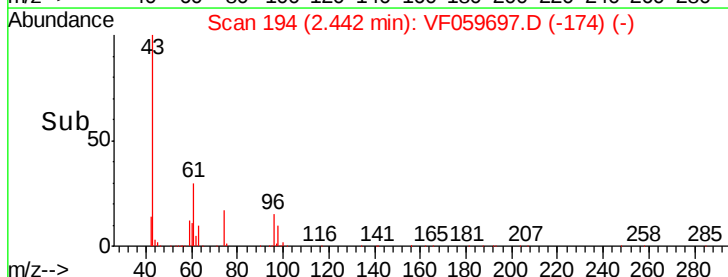
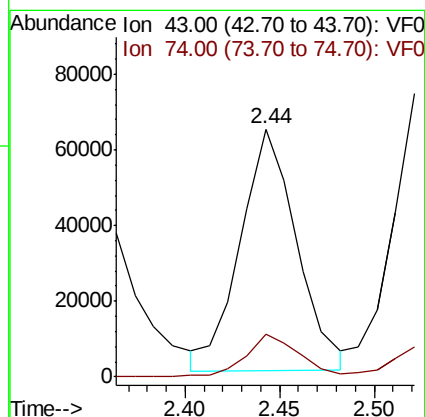
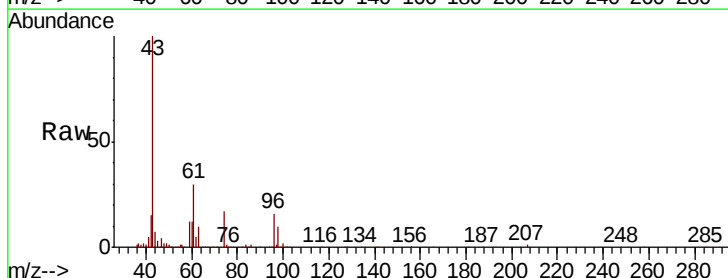
Acq: 30 Jul 2018 19:32

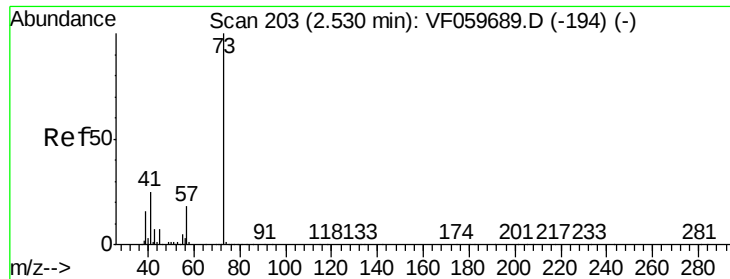
Tgt Ion: 43 Resp: 131929

Ion Ratio Lower Upper

43 100

74 17.2 11.8 17.6

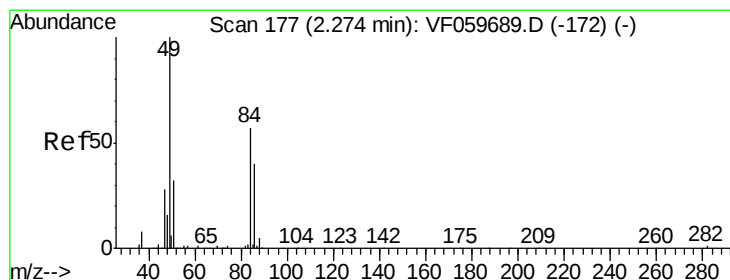
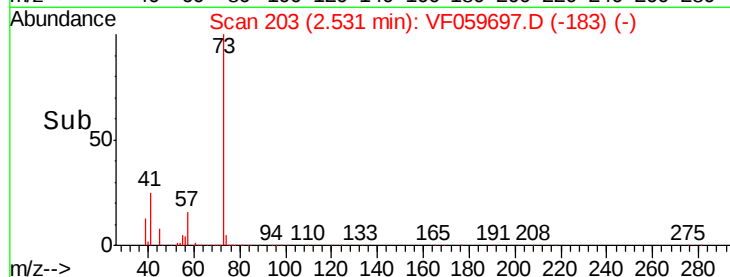
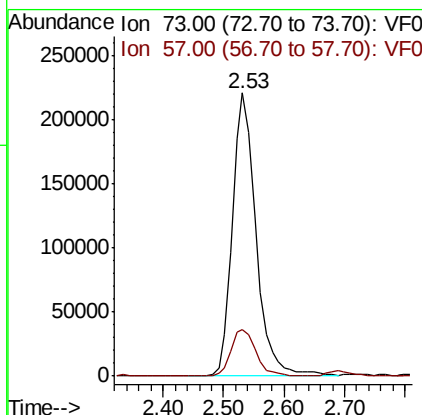
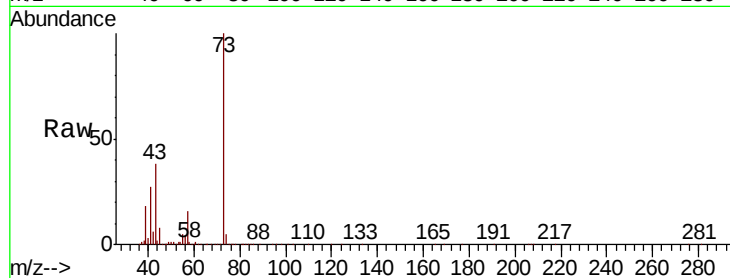




#19
Methvl tert-butvl Ether
Concen: 155.635 ug/l
RT: 2.53 min Scan# 203
Delta R.T. 0.00 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

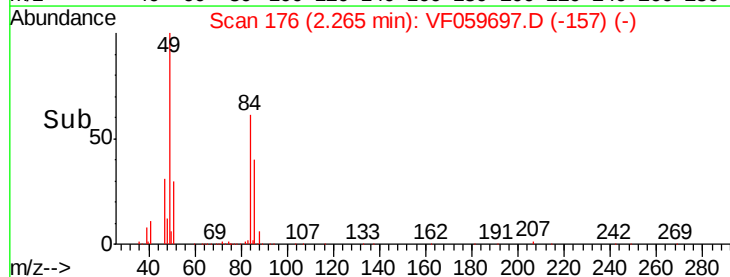
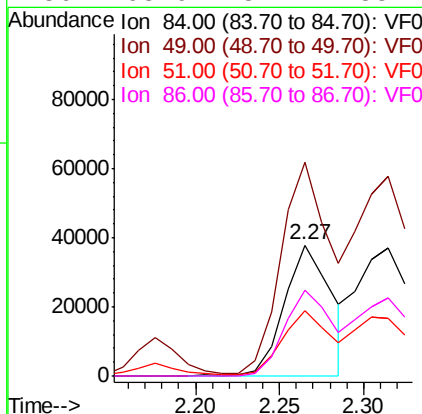
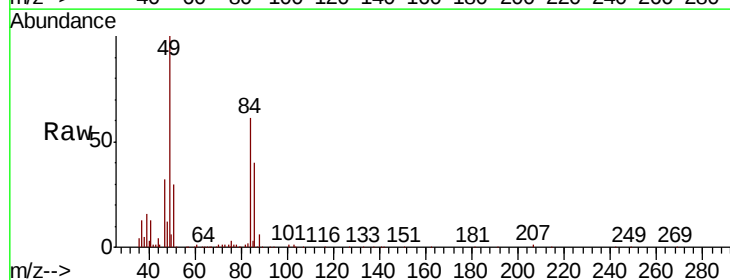
Instrument :
MSVOA_F
ClientSampleId :

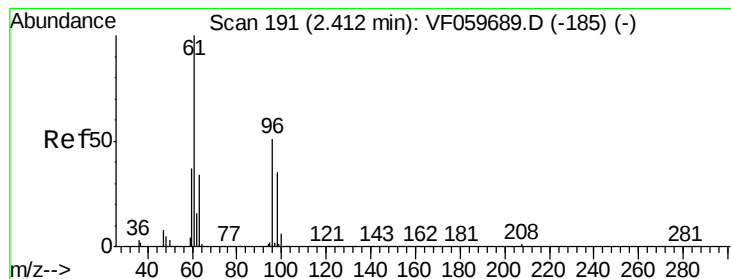
Tot Ion: 73 Resp: 601069
Ion Ratio Lower Upper
73 100
57 16.3 14.2 21.2



#20
Methylene Chloride
Concen: 36.659 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion: 84 Resp: 73048
Ion Ratio Lower Upper
84 100
49 163.3 142.2 213.4
51 49.8 46.2 69.2
86 65.9 57.1 85.7





#21

trans-1,2-Dichloroethene

Concen: 132.758 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :

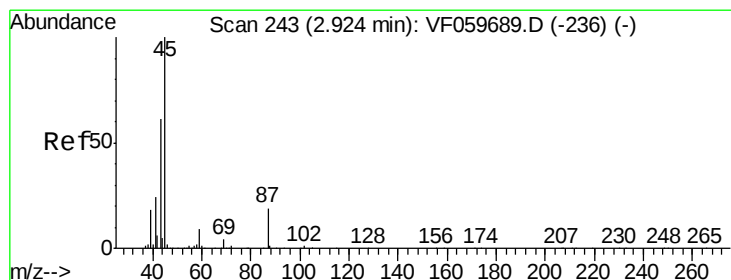
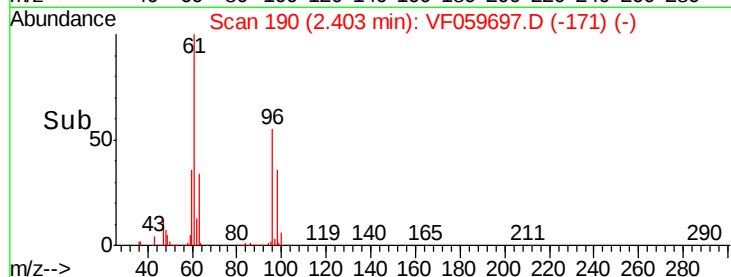
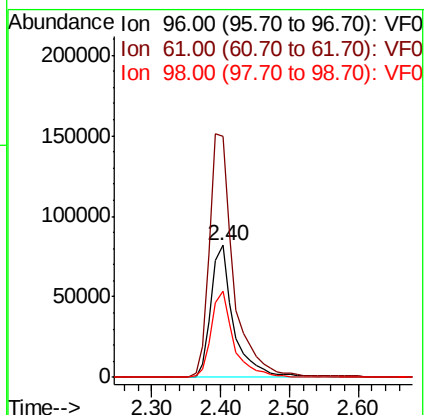
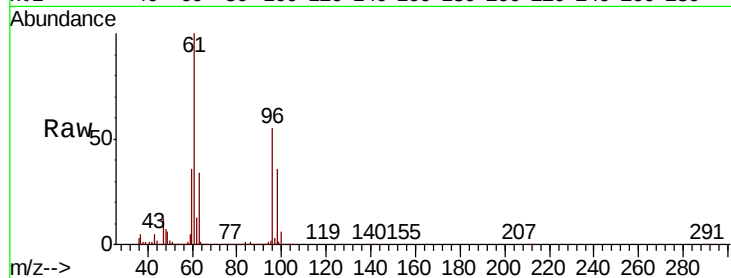
Tot Ion: 96 Resp: 188178

Ion Ratio Lower Upper

96 100

61 183.0 157.4 236.0

98 65.2 55.0 82.4



#22

Diisopropyl ether

Concen: 152.053 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Tgt Ion: 45 Resp: 687083

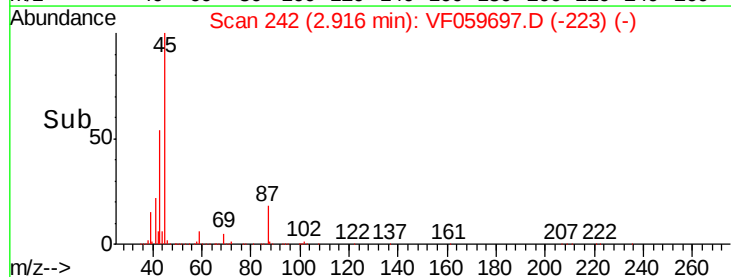
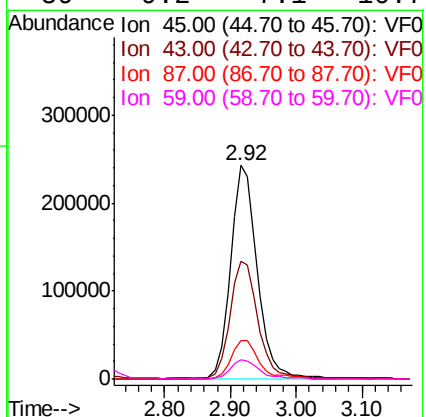
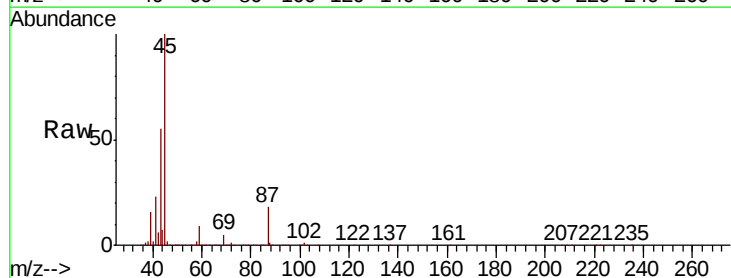
Ion Ratio Lower Upper

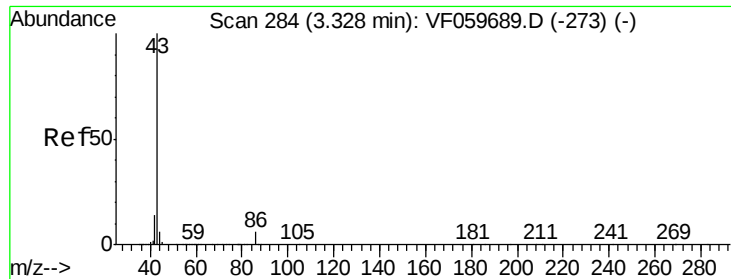
45 100

43 55.2 49.3 73.9

87 18.1 15.3 22.9

59 9.2 7.1 10.7

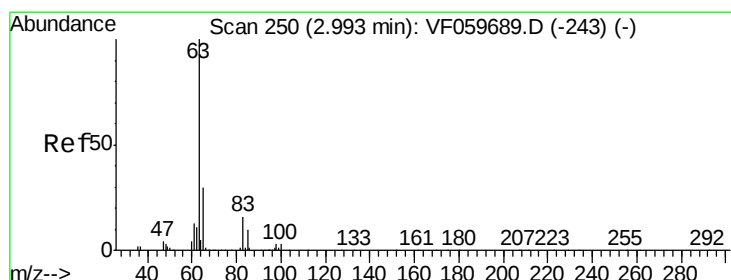
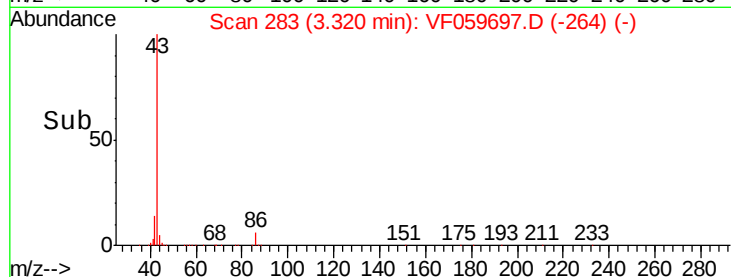
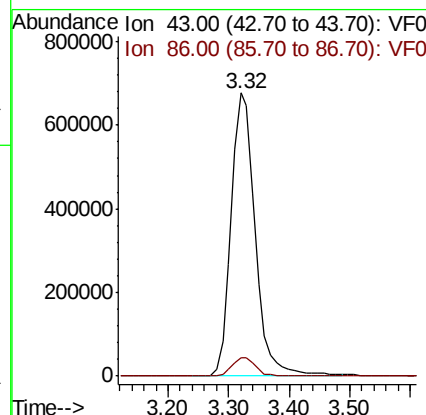
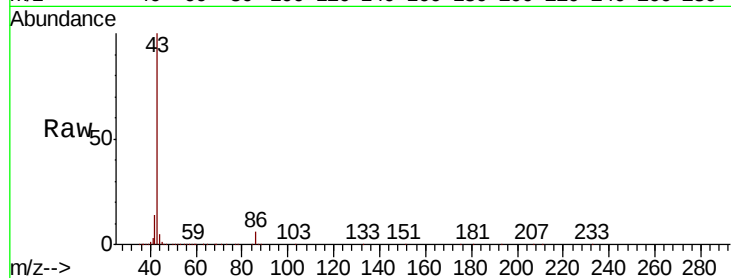




#23
 Vinyl Acetate
 Concen: 834.293 ug/l
 RT: 3.32 min Scan# 283
 Delta R.T. -0.01 min
 Lab File: VF059697.D
 Acq: 30 Jul 2018 19:32

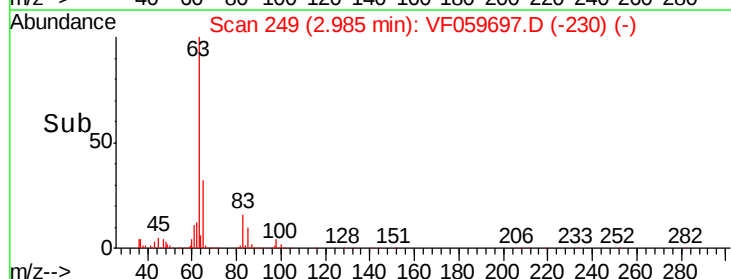
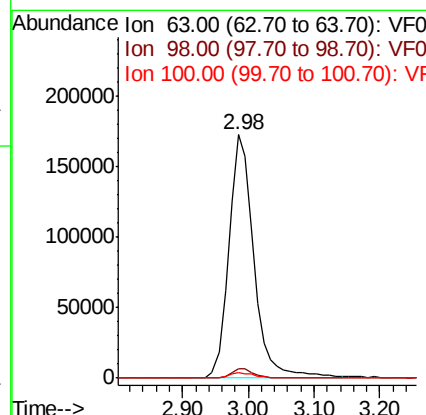
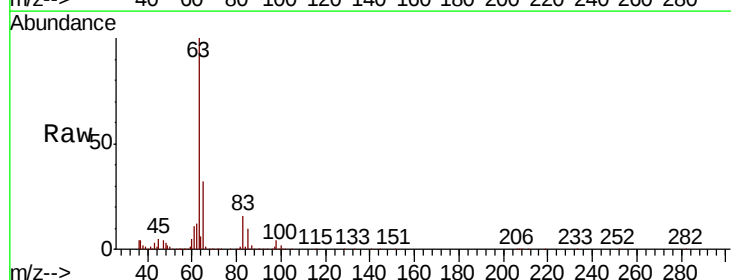
Instrument :
 MSVOA_F
 ClientSampleId :

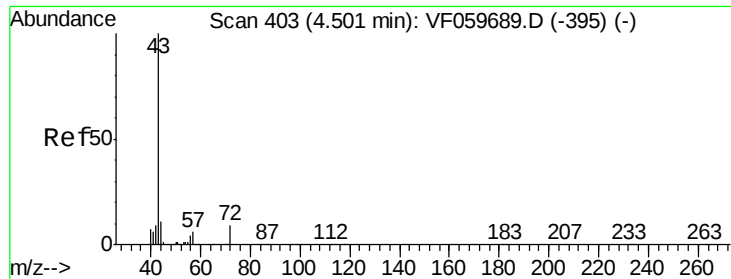
Tot Ion: 43 Resp: 1868923
 Ion Ratio Lower Upper
 43 100
 86 6.3 4.6 6.8



#24
 1,1-Dichloroethane
 Concen: 142.305 ug/l
 RT: 2.98 min Scan# 249
 Delta R.T. -0.01 min
 Lab File: VF059697.D
 Acq: 30 Jul 2018 19:32

Tgt Ion: 63 Resp: 457521
 Ion Ratio Lower Upper
 63 100
 98 3.9 1.4 4.2
 100 2.1 1.6 4.7





#25

2-Butanone

Concen: 771.268 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

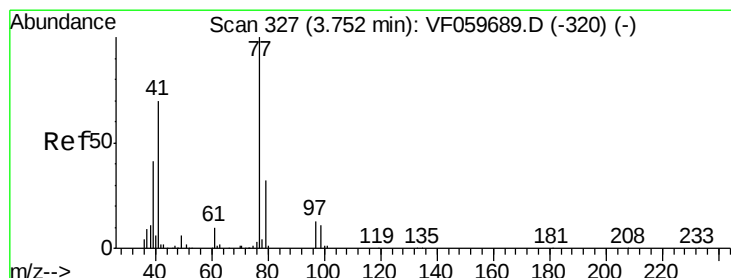
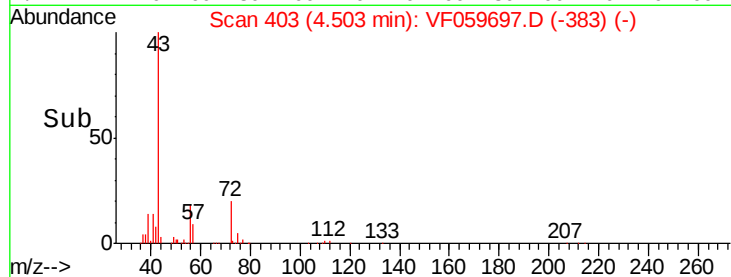
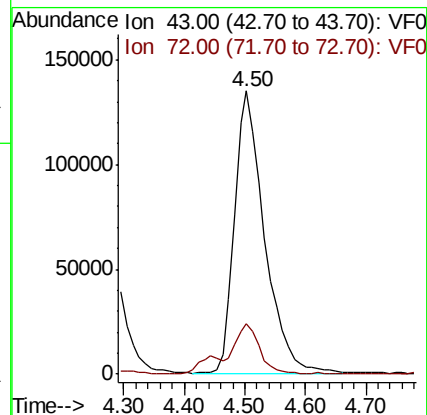
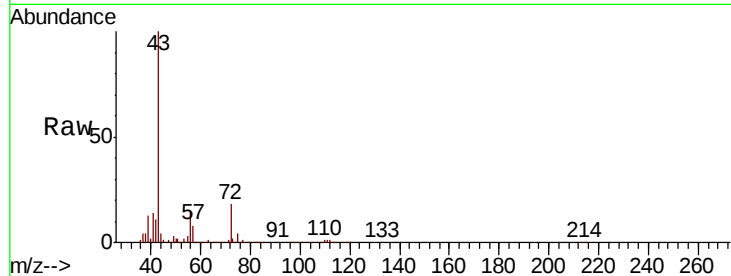
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 459803

Ion Ratio Lower Upper

43 100

72 18.0 7.7 11.5#



#26

2,2-Dichloropropane

Concen: 123.660 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF059697.D

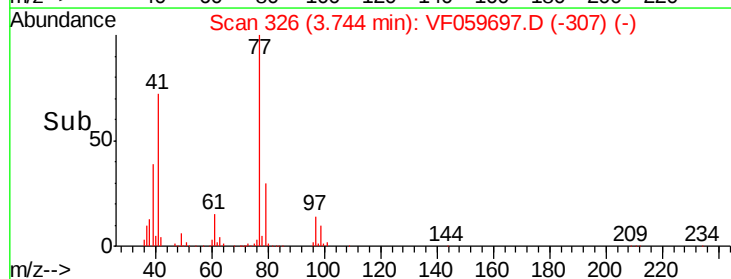
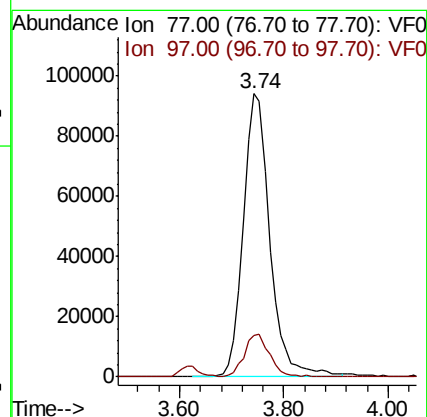
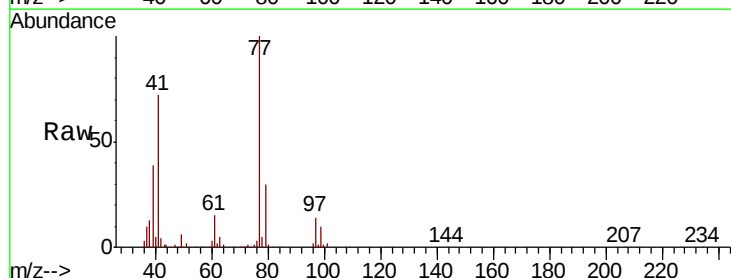
Acq: 30 Jul 2018 19:32

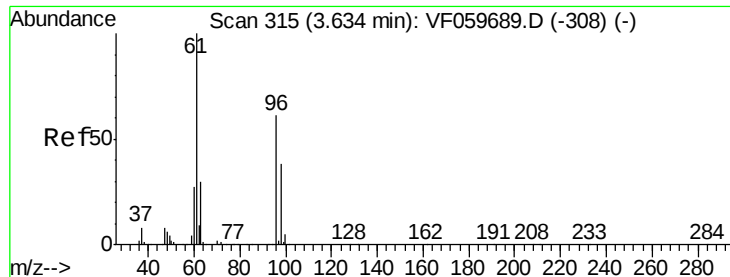
Tgt Ion: 77 Resp: 323405

Ion Ratio Lower Upper

77 100

97 14.4 6.8 20.4



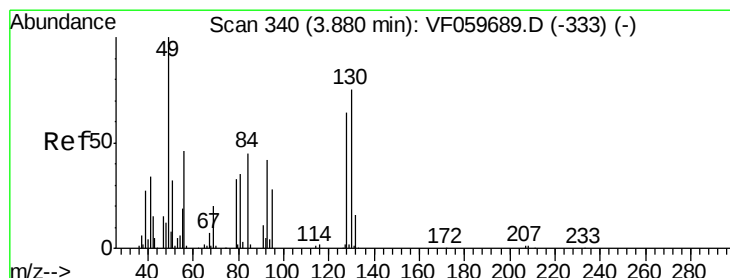
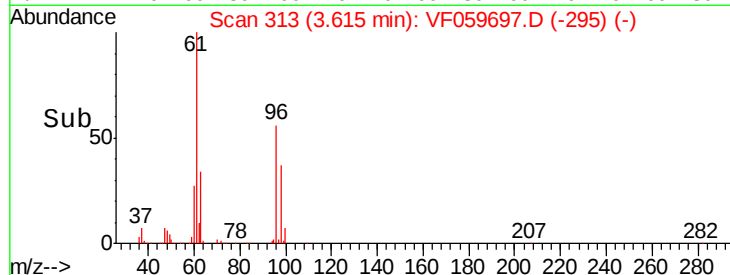
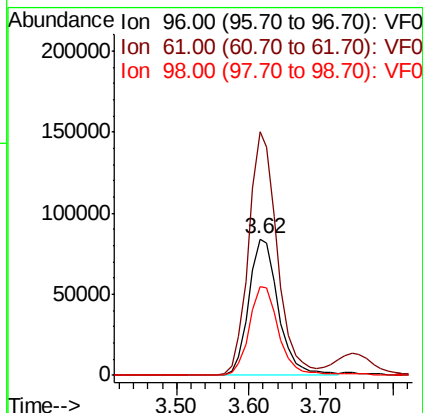
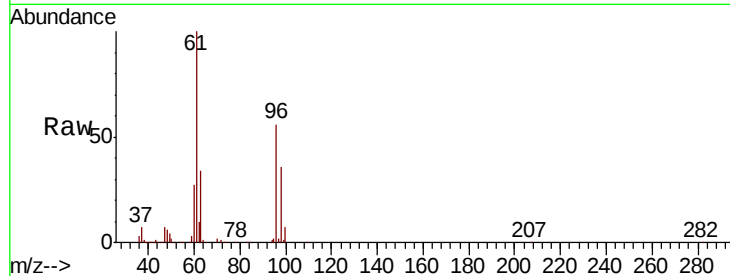


#27

cis-1,2-Dichloroethene
Concen: 145.548 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.02 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :

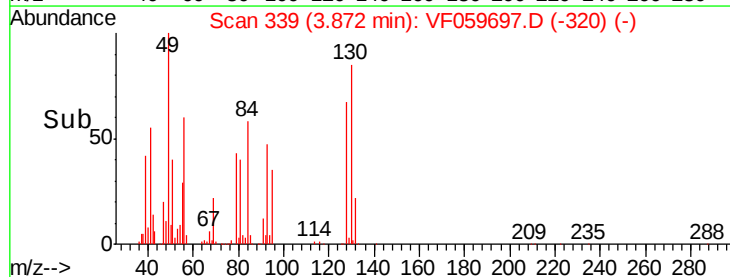
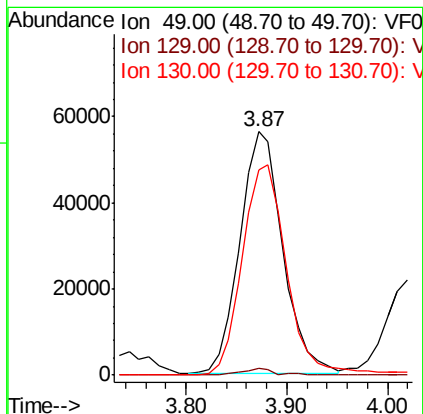
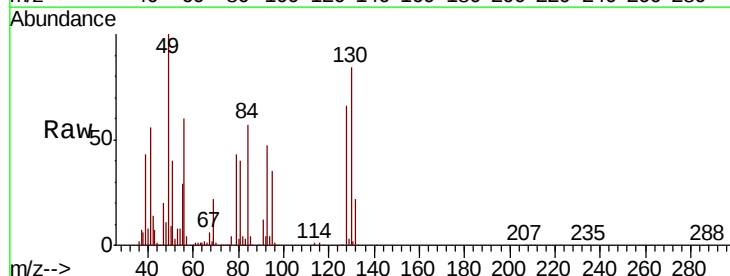
Tot Ion	Ratio	Lower	Upper
96	100		
61	178.1	0.0	326.8
98	65.0	0.0	125.2

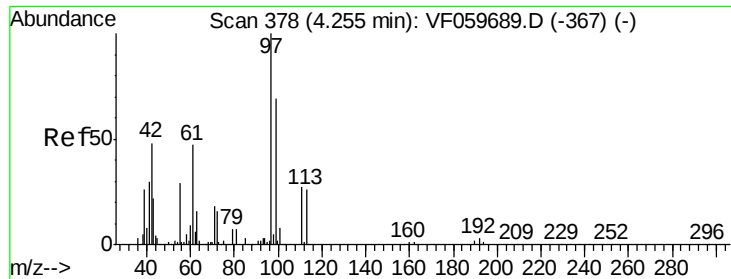


#28

Bromochloromethane
Concen: 140.149 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	4.8
130	84.5	59.6	89.4

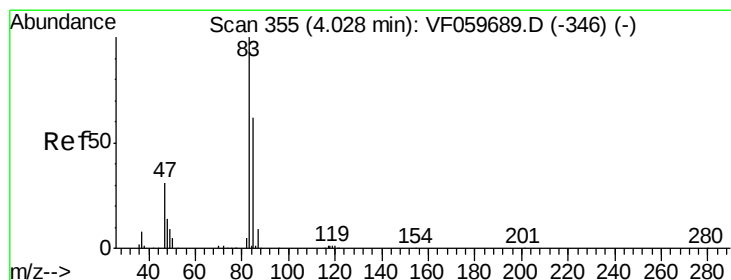
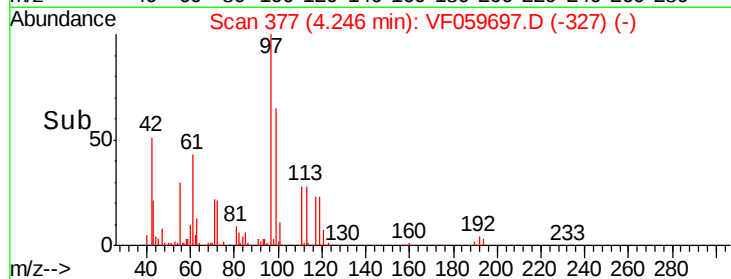
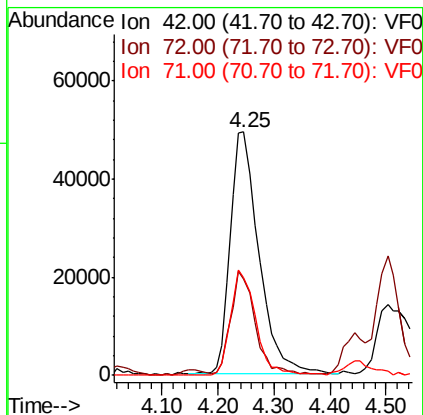
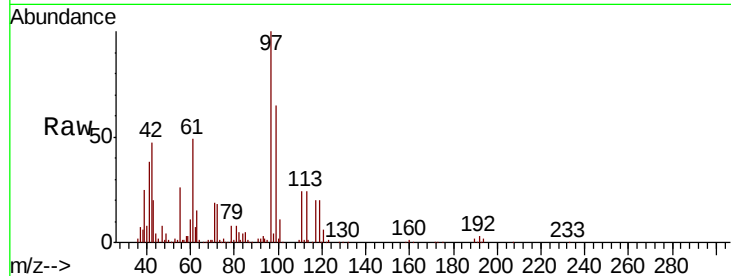




#29
Tetrahydrofuran
Concen: 733.295 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

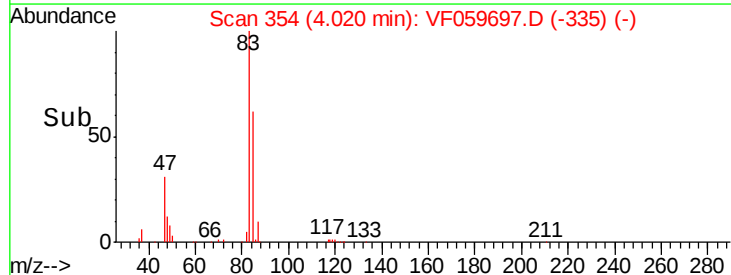
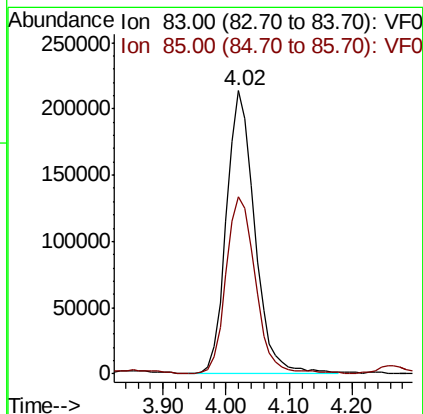
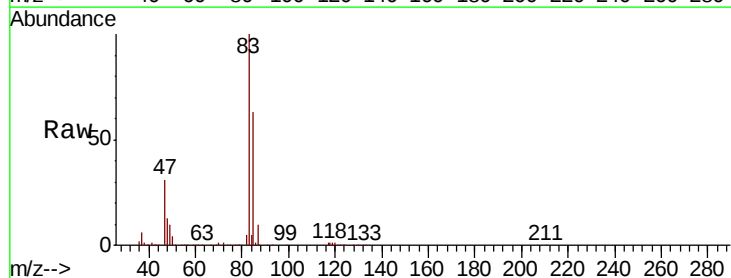
Instrument :
MSVOA_F
ClientSampleId :

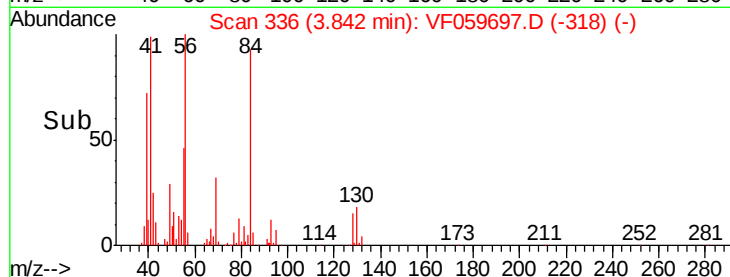
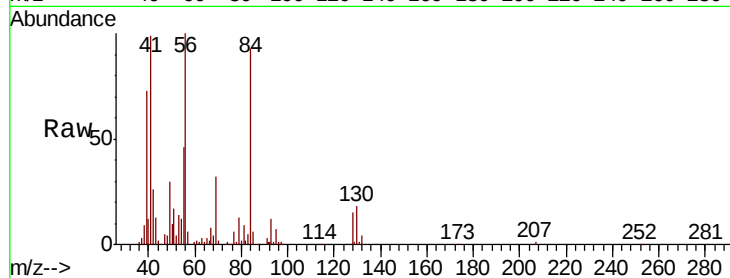
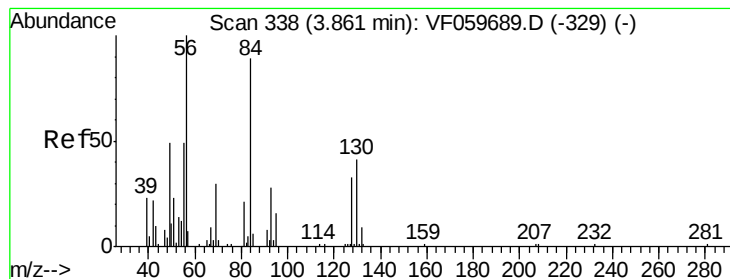
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.0	27.0	40.6
71	38.2	29.7	44.5



#30
Chloroform
Concen: 146.515 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	49.4	74.0





#31

Cyclohexane

Concen: 125.729 ug/l

RT: 3.84 min Scan# 336

Delta R.T. -0.02 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

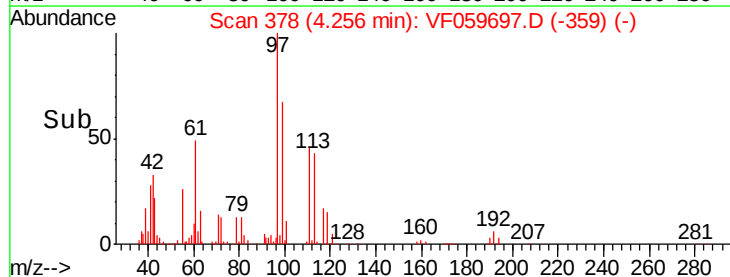
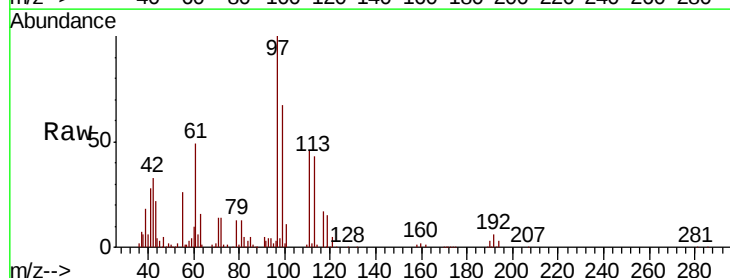
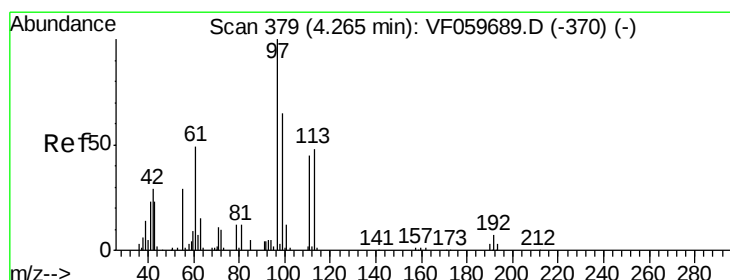
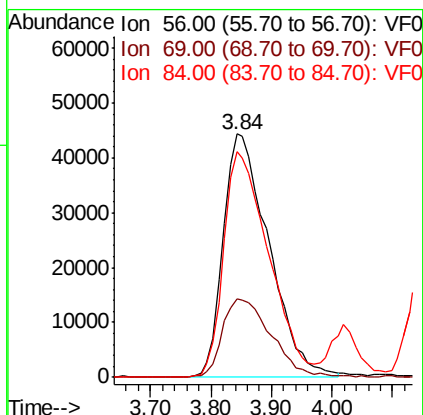
Tot Ion: 56 Resp: 232263

Ion Ratio Lower Upper

56 100

69 32.3 23.7 35.5

84 92.9 71.1 106.7



#32

1,1,1-Trichloroethane

Concen: 131.806 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

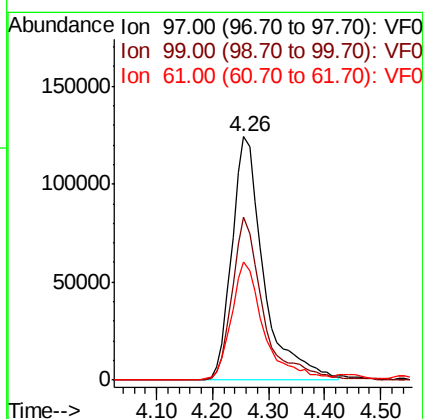
Tgt Ion: 97 Resp: 491040

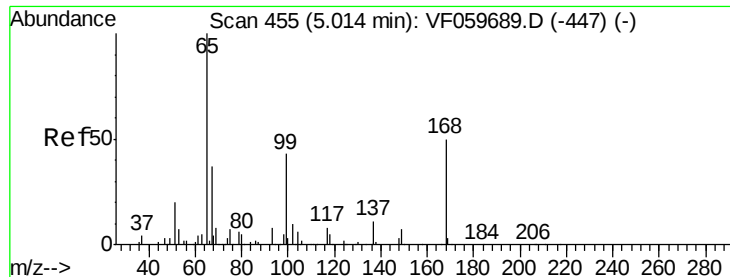
Ion Ratio Lower Upper

97 100

99 66.8 52.4 78.6

61 48.5 39.7 59.5

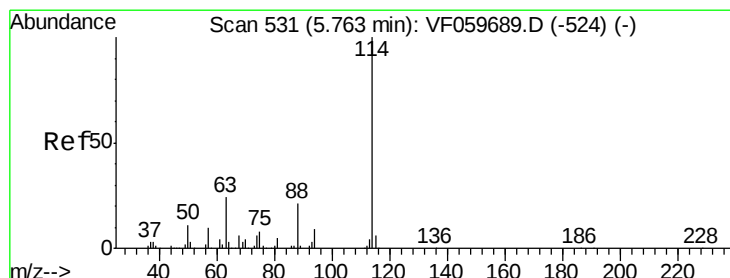
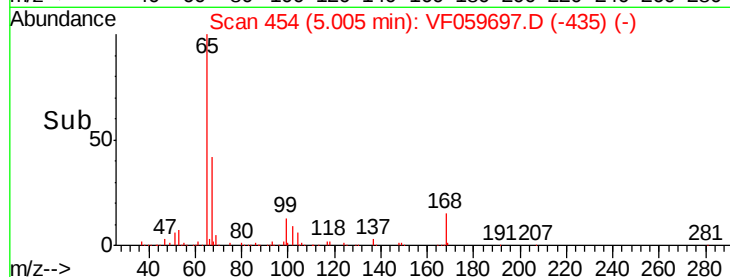
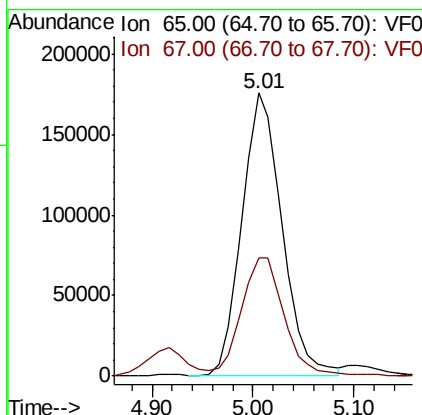
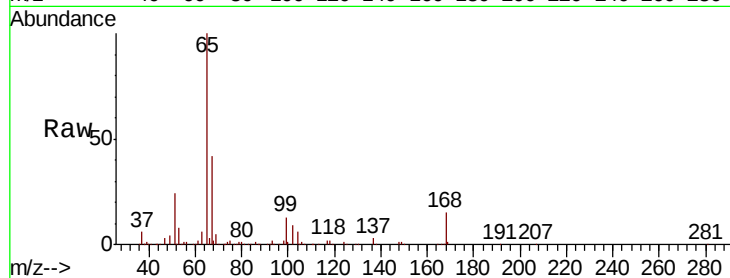




#33
 1,2-Dichloroethane-d4
 Concen: 163.908 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: VF059697.D
 Acq: 30 Jul 2018 19:32

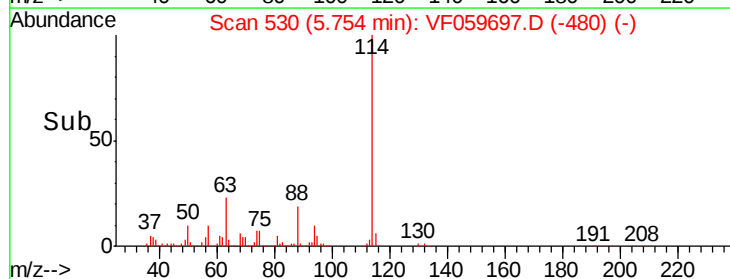
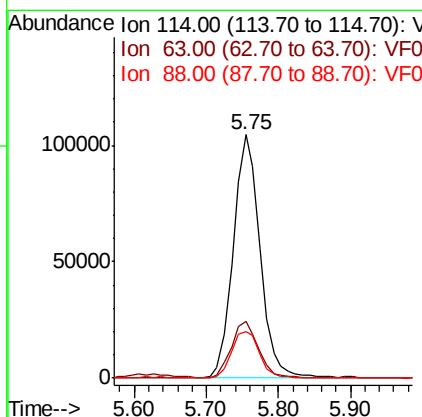
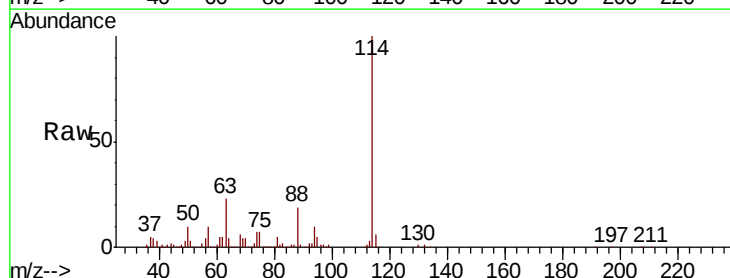
Instrument :
 MSVOA_F
 ClientSampleId :

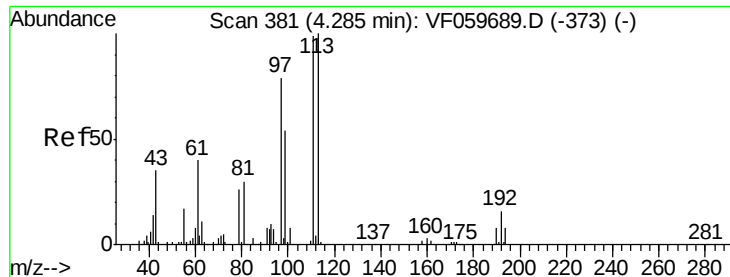
Tot Ion: 65 Resp: 486752
 Ion Ratio Lower Upper
 65 100
 67 41.8 0.0 84.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059697.D
 Acq: 30 Jul 2018 19:32

Tgt Ion: 114 Resp: 271142
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 47.4
 88 19.4 0.0 41.2

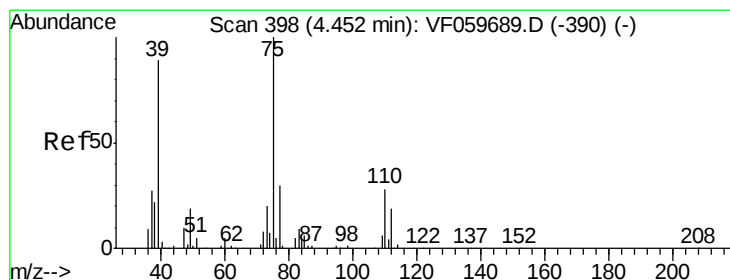
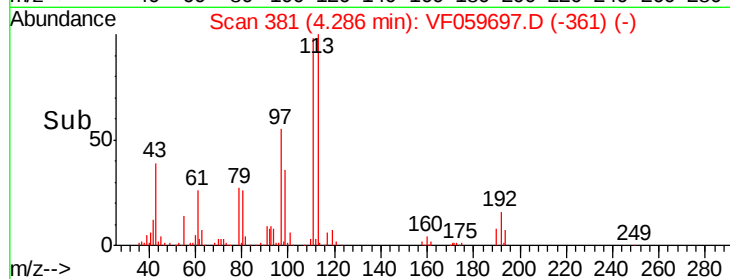
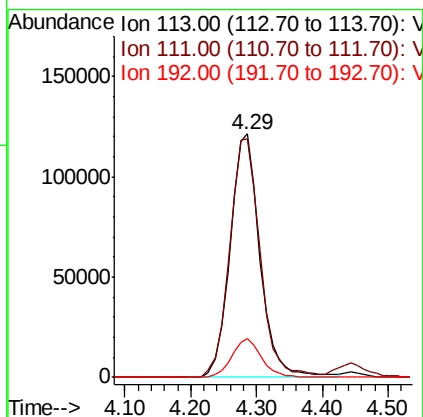
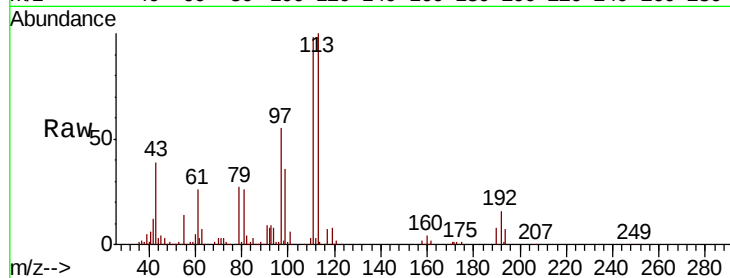




#35
 Dibromofluoromethane
 Concen: 148.319 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VF059697.D
 Acq: 30 Jul 2018 19:32

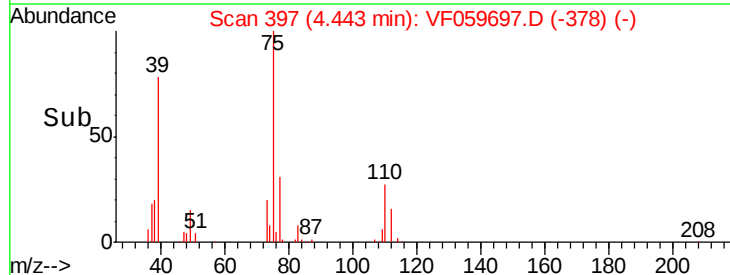
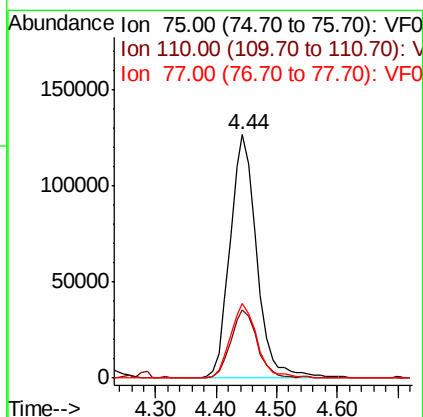
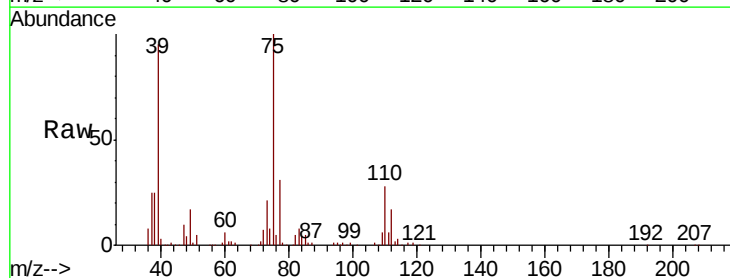
Instrument :
 MSVOA_F
 ClientSampleId :

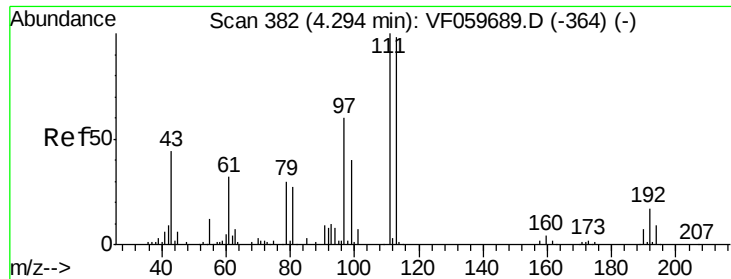
Tot Ion:113 Resp: 384882
 Ion Ratio Lower Upper
 113 100
 111 98.2 79.0 118.4
 192 15.9 13.2 19.8



#36
 1,1-Dichloropropene
 Concen: 131.726 ug/l
 RT: 4.44 min Scan# 397
 Delta R.T. -0.01 min
 Lab File: VF059697.D
 Acq: 30 Jul 2018 19:32

Tgt Ion: 75 Resp: 387401
 Ion Ratio Lower Upper
 75 100
 110 27.9 14.0 41.9
 77 30.5 24.2 36.2

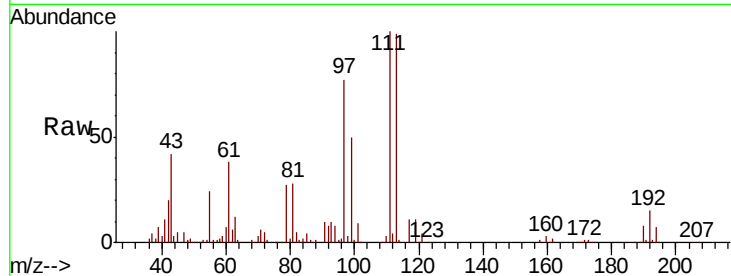




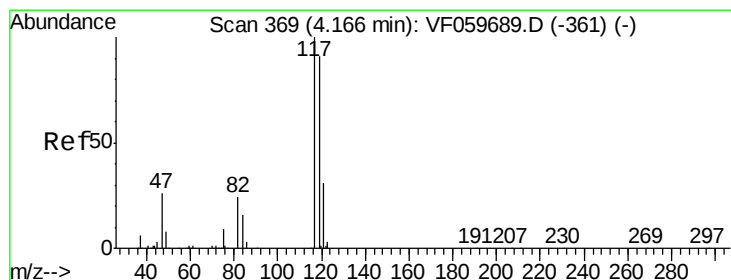
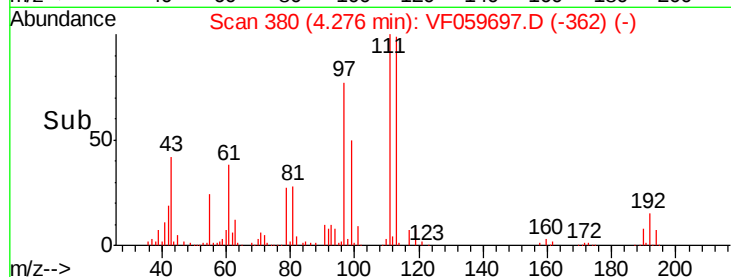
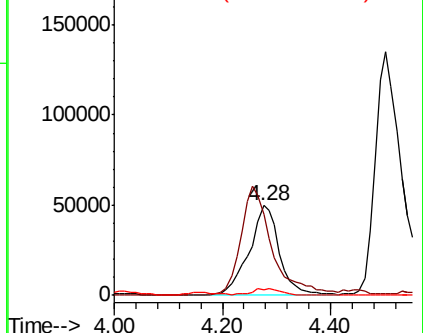
#37
Ethyl Acetate
Concen: 148.399 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 190384
Ion Ratio Lower Upper
43 100
61 91.3 58.2 87.2#
70 6.9 6.0 9.0

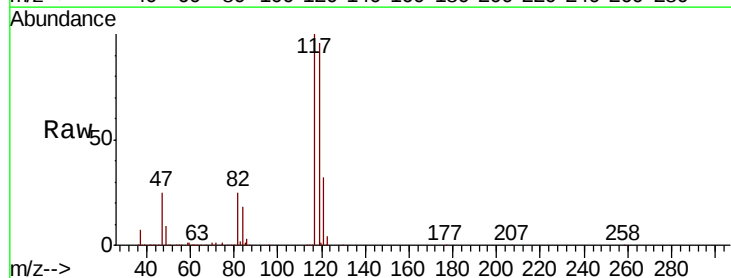


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

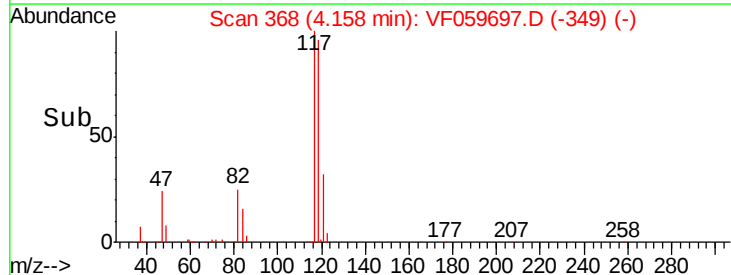
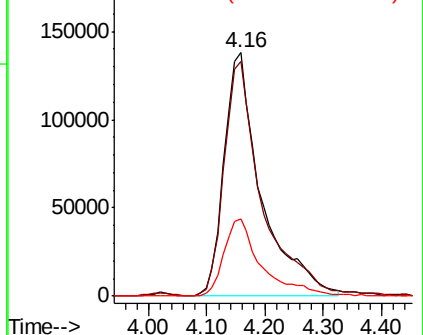


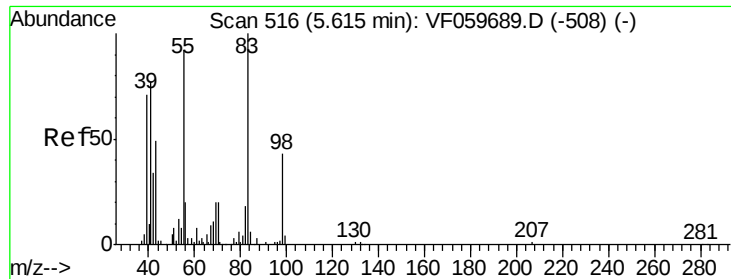
#38
Carbon Tetrachloride
Concen: 141.795 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion: 117 Resp: 611840
Ion Ratio Lower Upper
117 100
119 96.4 72.9 109.3
121 31.8 25.0 37.4



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

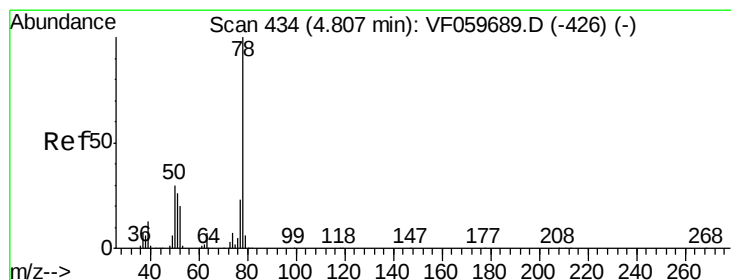
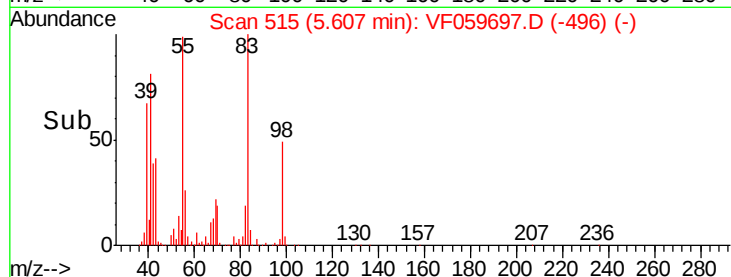
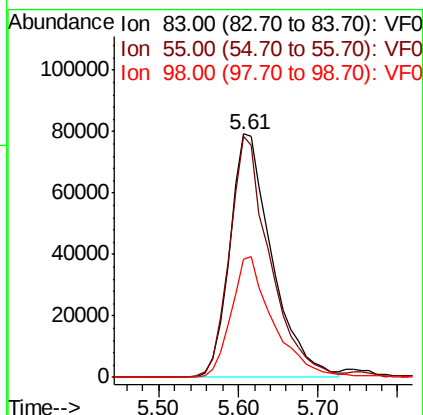
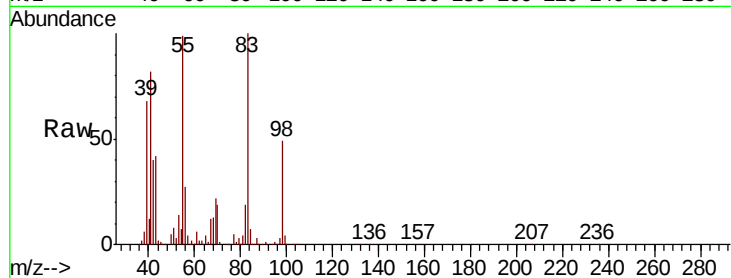




#39
Methvlcvclohexane
Concen: 121.848 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

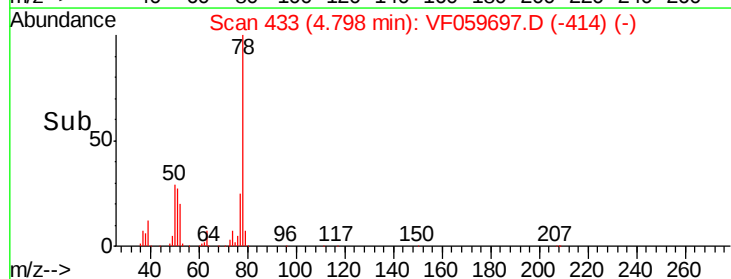
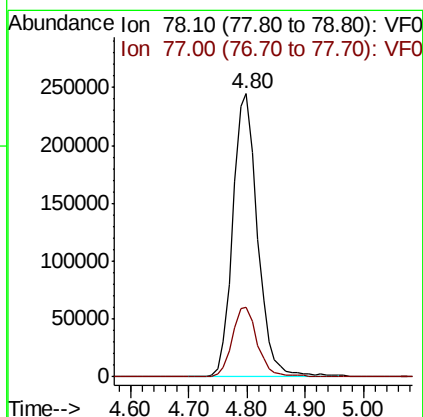
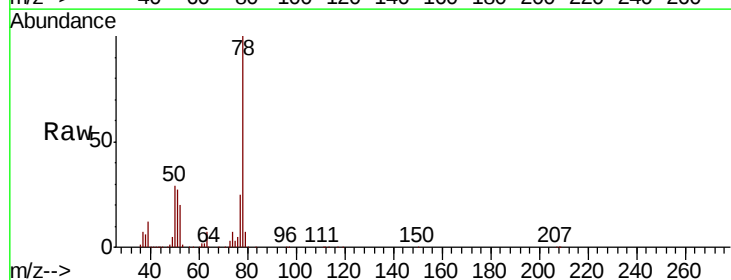
Instrument :
MSVOA_F
ClientSampleId :

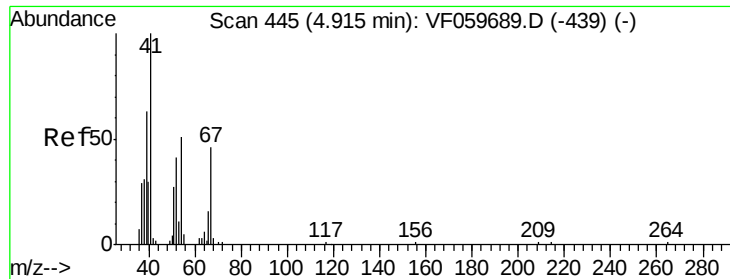
Tot Ion: 83 Resp: 291646
Ion Ratio Lower Upper
83 100
55 99.2 73.4 110.2
98 48.5 34.2 51.4



#40
Benzene
Concen: 138.624 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion: 78 Resp: 724114
Ion Ratio Lower Upper
78 100
77 24.8 18.9 28.3

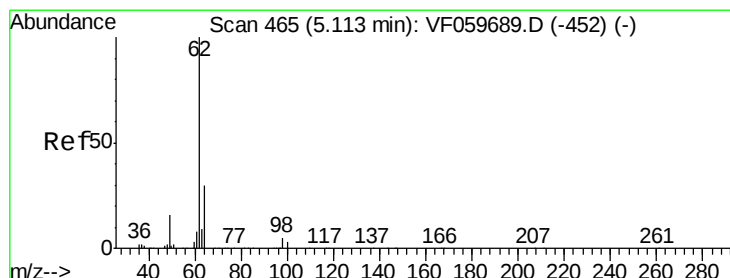
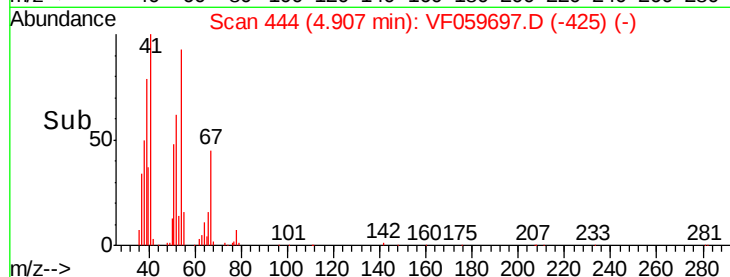
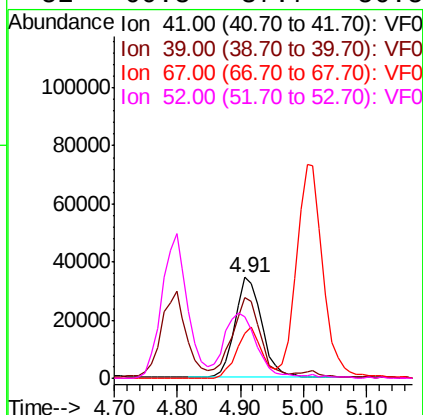
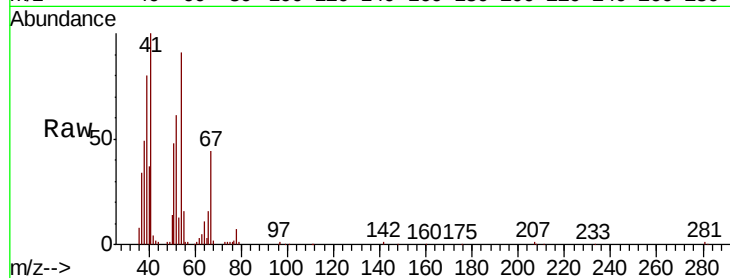




#41
Methacrylonitrile
Concen: 160.339 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

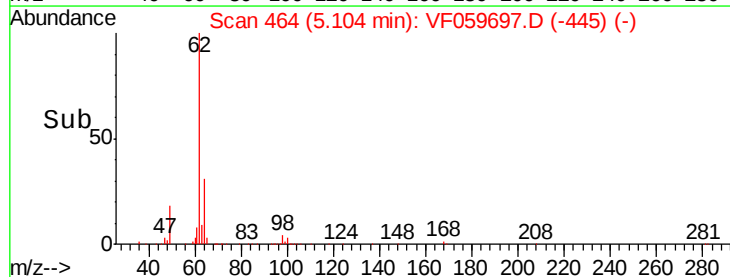
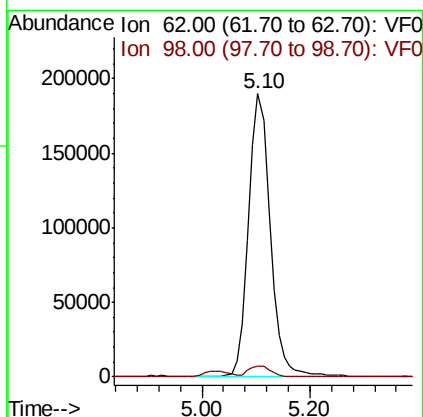
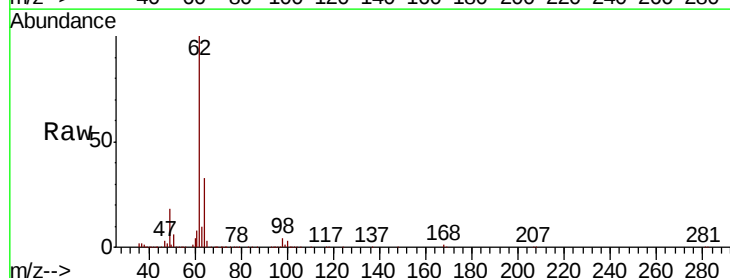
Instrument :
MSVOA_F
ClientSampleId :

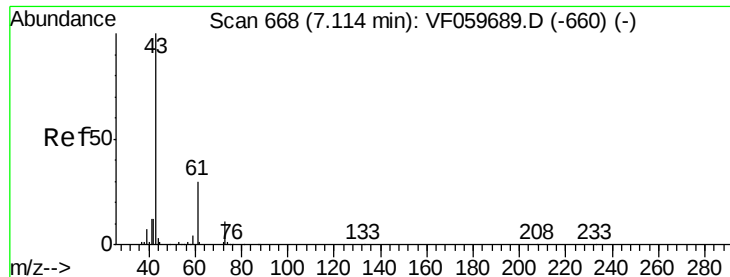
Tot Ion: 41 Resp: 101294
Ion Ratio Lower Upper
41 100
39 79.7 55.2 82.8
67 44.4 36.2 54.2
52 60.8 37.7 56.5#



#42
1,2-Dichloroethane
Concen: 156.186 ug/l
RT: 5.10 min Scan# 464
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion: 62 Resp: 530873
Ion Ratio Lower Upper
62 100
98 3.8 0.0 9.6



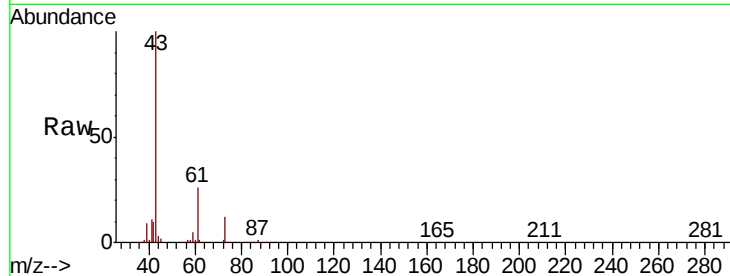


#43

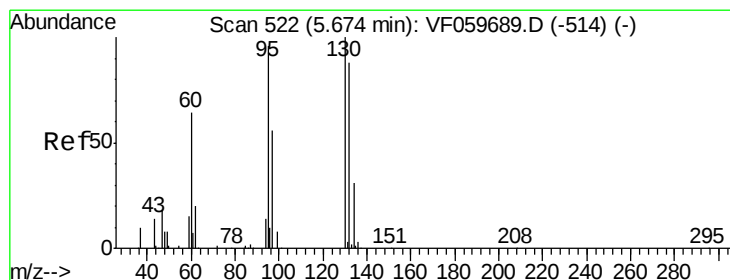
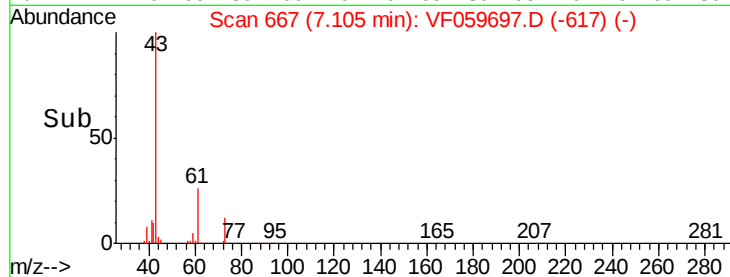
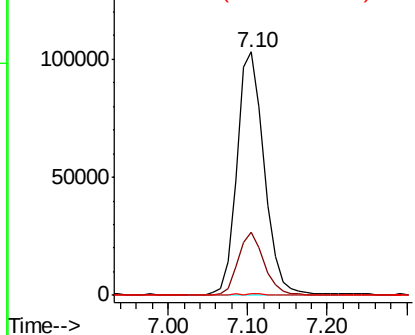
Isopropyl Acetate
 Concen: 184.307 ug/l
 RT: 7.10 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF059697.D
 Acq: 30 Jul 2018 19:32

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	43	Resp	244826
Ion Ratio	Lower	Upper	
43	100		
61	26.1	23.8	35.8
87	0.6	0.6	1.0#



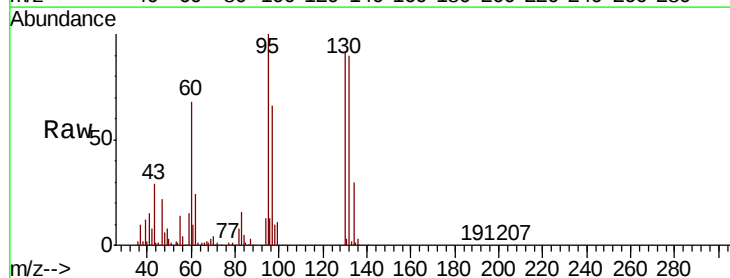
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



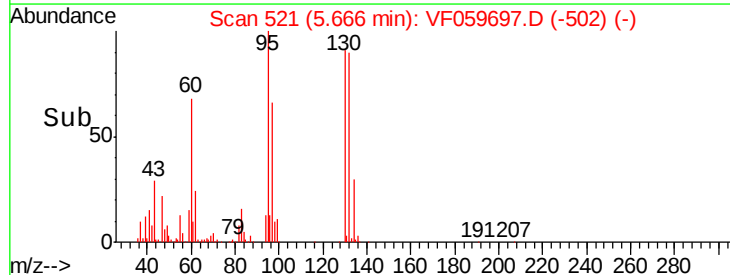
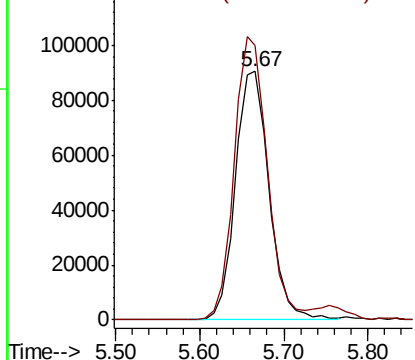
#44

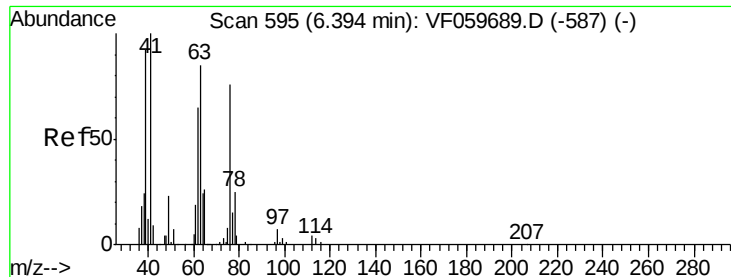
Trichloroethene
 Concen: 125.060 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF059697.D
 Acq: 30 Jul 2018 19:32

Tgt Ion	130	Resp	253009
Ion Ratio	Lower	Upper	
130	100		
95	110.3	0.0	191.0



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0

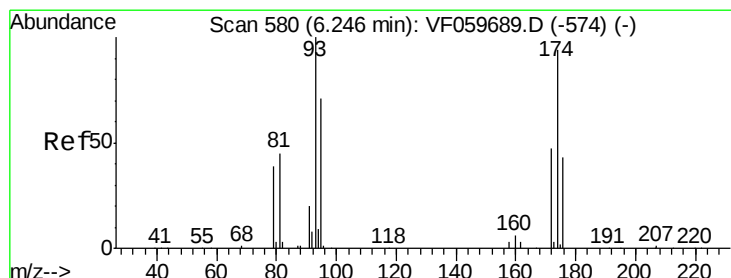
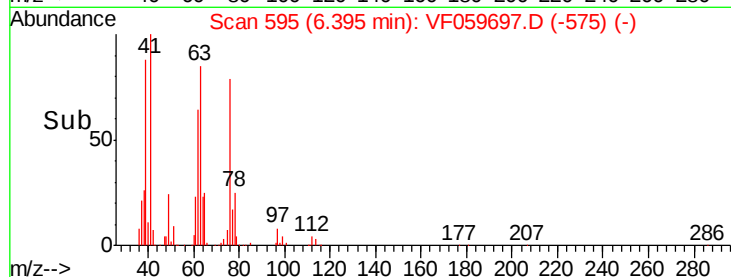
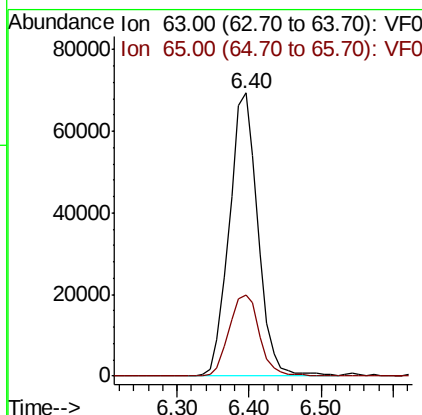
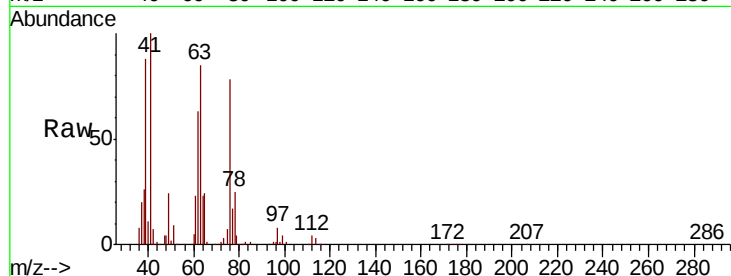




#45
 1,2-Dichloropropane
 Concen: 138.740 ug/l
 RT: 6.40 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VF059697.D
 Acq: 30 Jul 2018 19:32

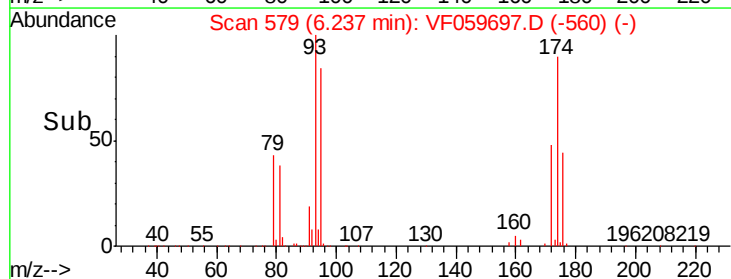
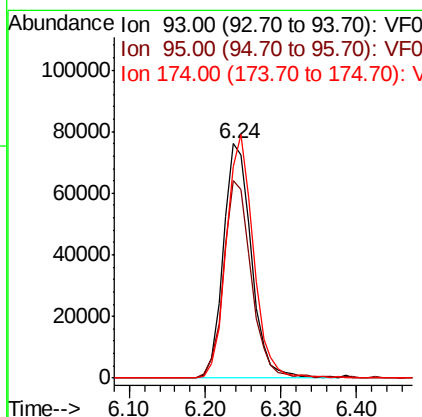
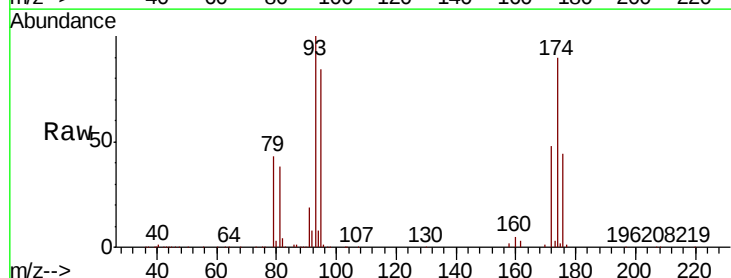
Instrument :
 MSVOA_F
 ClientSampleId :

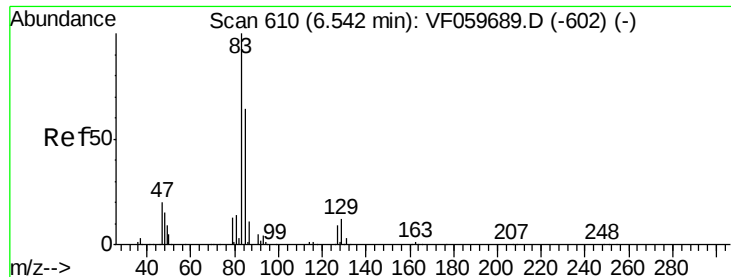
Tot Ion: 63 Resp: 192596
 Ion Ratio Lower Upper
 63 100
 65 28.9 25.2 37.8



#46
 Dibromomethane
 Concen: 161.207 ug/l
 RT: 6.24 min Scan# 579
 Delta R.T. -0.01 min
 Lab File: VF059697.D
 Acq: 30 Jul 2018 19:32

Tgt Ion: 93 Resp: 194328
 Ion Ratio Lower Upper
 93 100
 95 84.3 57.1 85.7
 174 90.4 74.8 112.2





#47

Bromodichloromethane

Concen: 147.784 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :

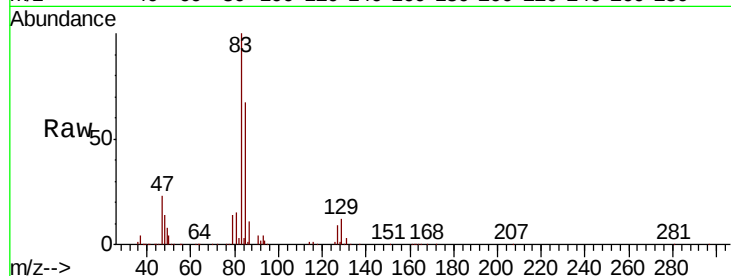
Tot Ion: 83 Resp: 521951

Ion Ratio Lower Upper

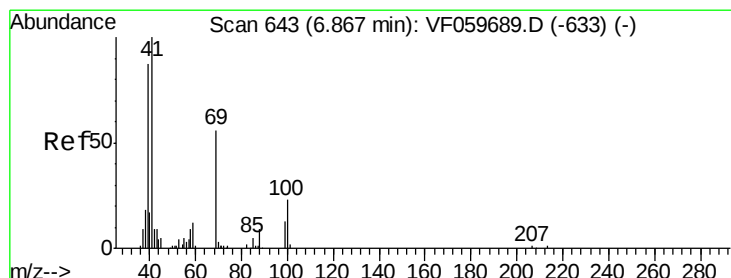
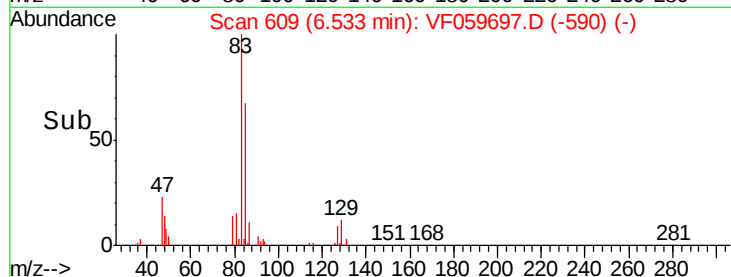
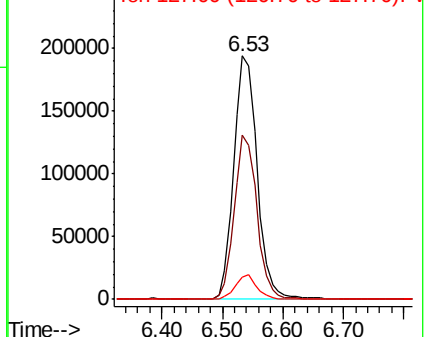
83 100

85 67.5 51.0 76.6

127 9.2 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: 179.605 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

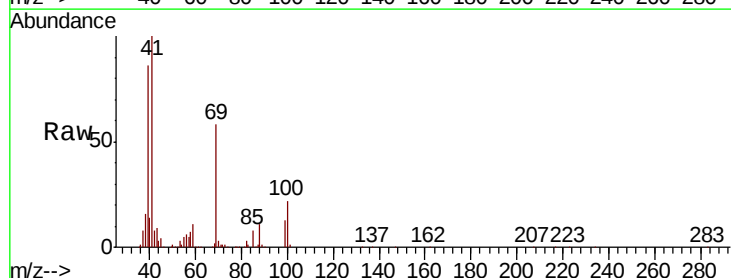
Tgt Ion: 41 Resp: 187248

Ion Ratio Lower Upper

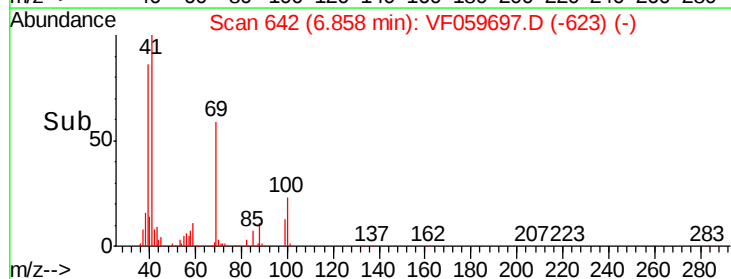
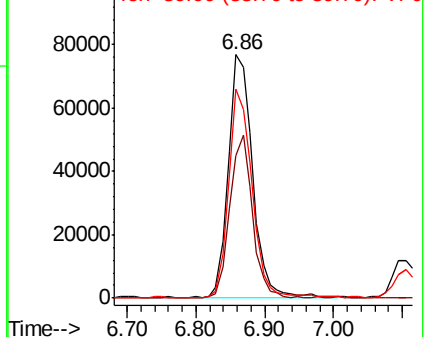
41 100

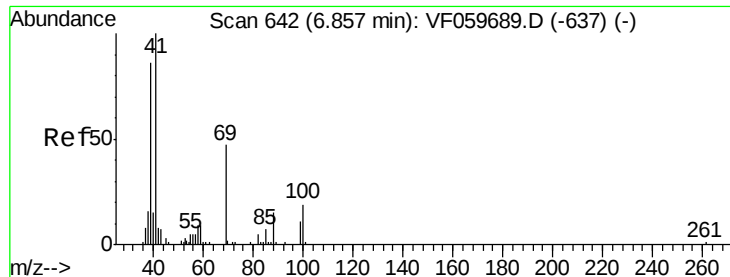
69 58.4 44.4 66.6

39 85.6 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

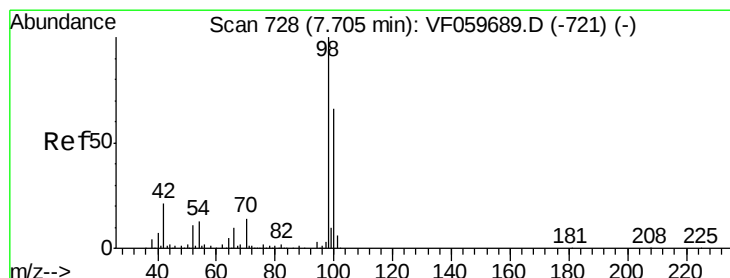
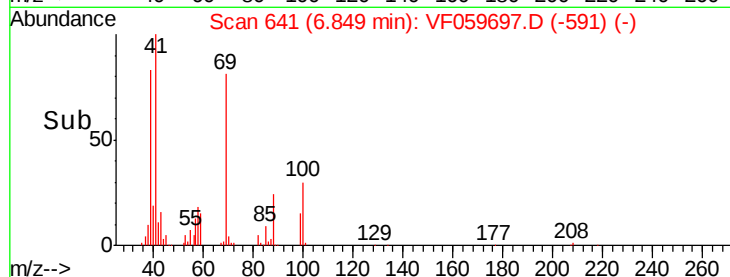
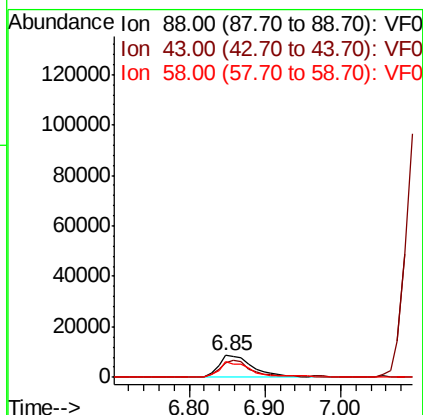
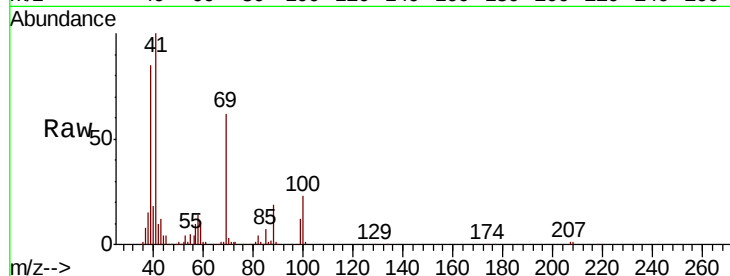




#49
 1,4-Dioxane
 Concen: 3453.558 ug/l
 RT: 6.85 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: VF059697.D
 Acq: 30 Jul 2018 19:32

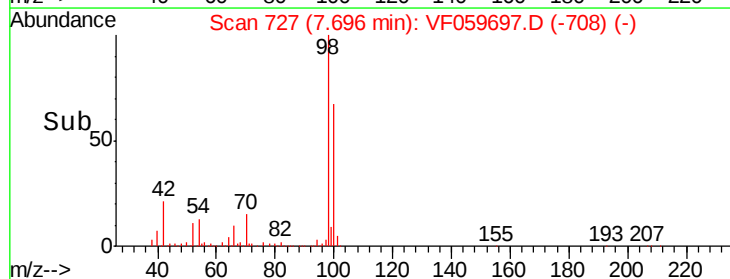
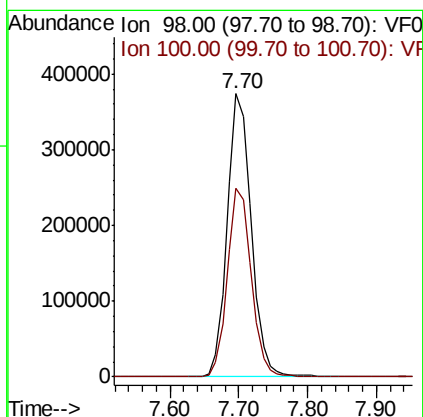
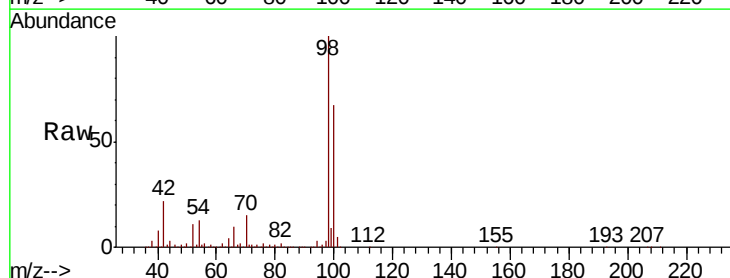
Instrument :
 MSVOA_F
 ClientSampleId :

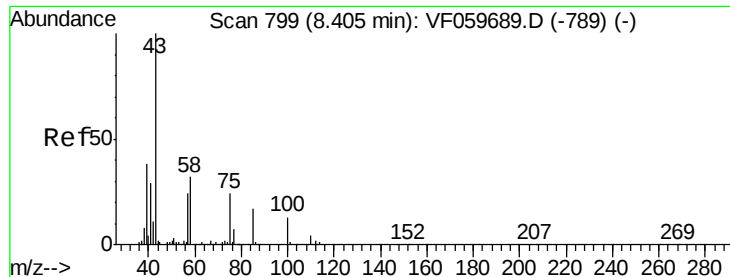
Tot Ion: 88 Resp: 28733
 Ion Ratio Lower Upper
 88 100
 43 67.2 45.2 67.8
 58 74.1 49.0 73.6#



#50
 Toluene-d8
 Concen: 144.383 ug/l
 RT: 7.70 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VF059697.D
 Acq: 30 Jul 2018 19:32

Tgt Ion: 98 Resp: 905911
 Ion Ratio Lower Upper
 98 100
 100 66.6 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 800.533 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

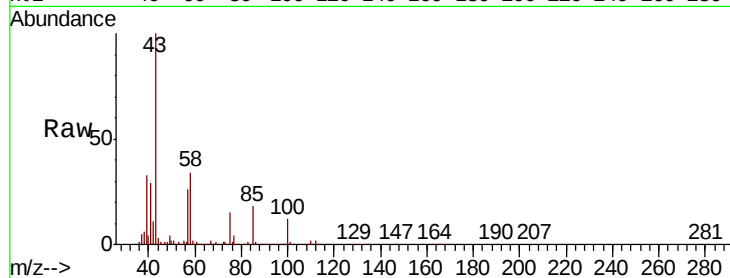
ClientSampled :

Tot Ion: 43 Resp: 855753

Ion Ratio Lower Upper

43 100

58 33.8 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

400000

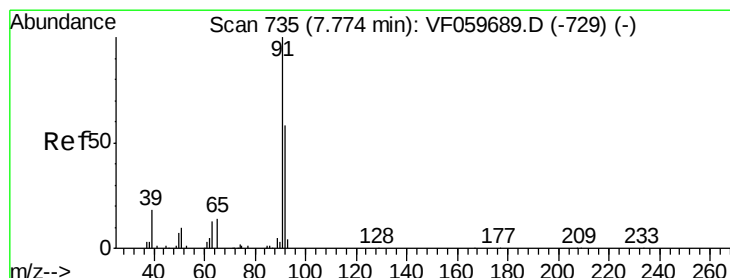
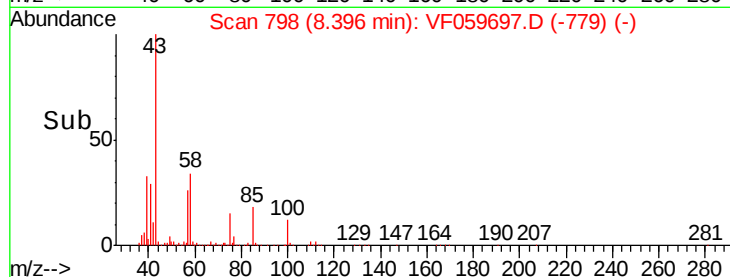
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 138.163 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059697.D

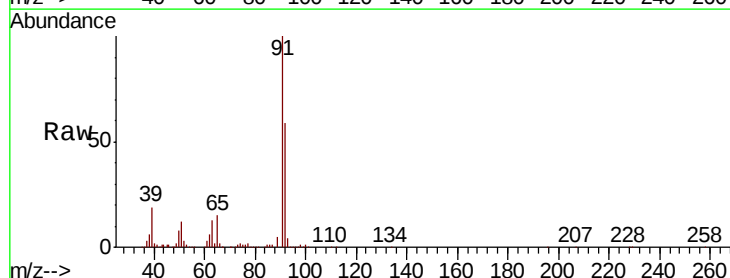
Acq: 30 Jul 2018 19:32

Tgt Ion: 92 Resp: 536075

Ion Ratio Lower Upper

92 100

91 169.9 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

400000

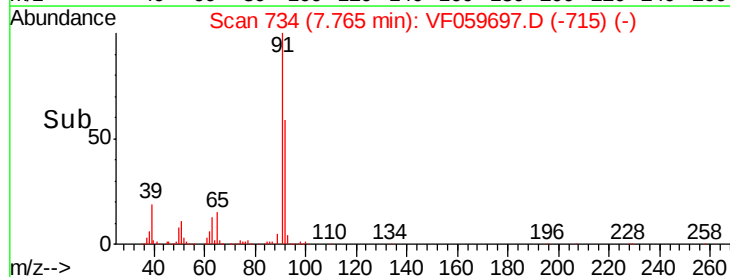
300000

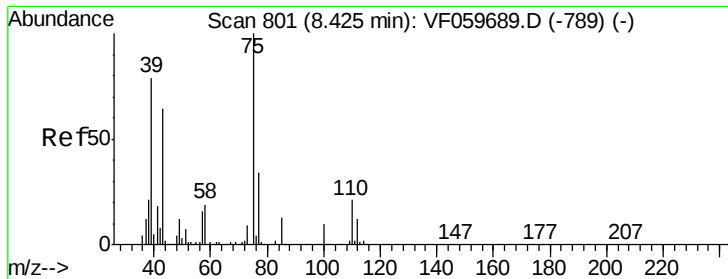
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 156.879 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

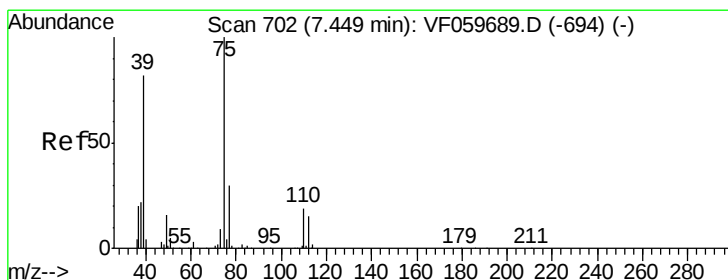
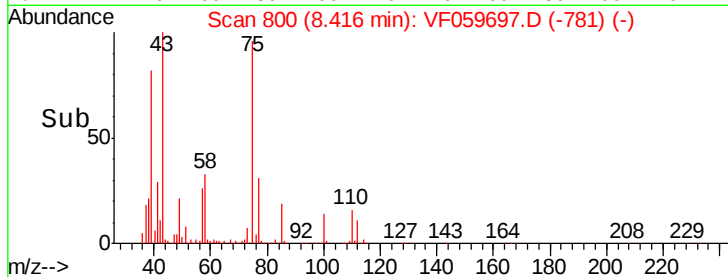
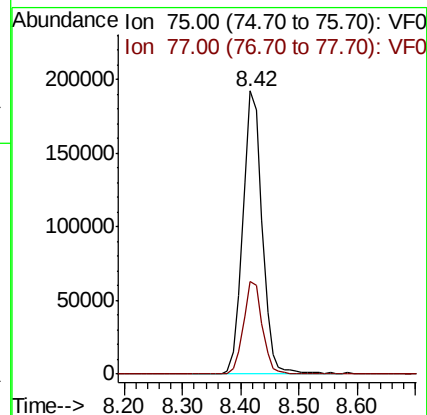
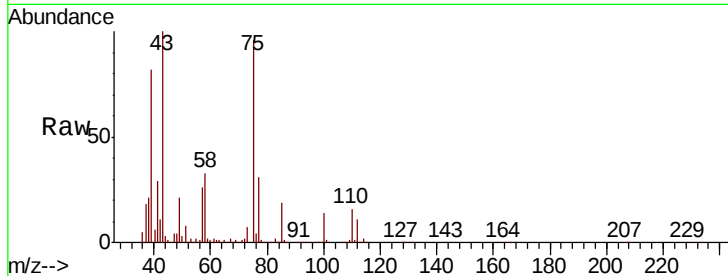
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 443184

Ion Ratio Lower Upper

75 100

77 32.7 27.0 40.4



#54

cis-1,3-Dichloropropene

Concen: 153.488 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

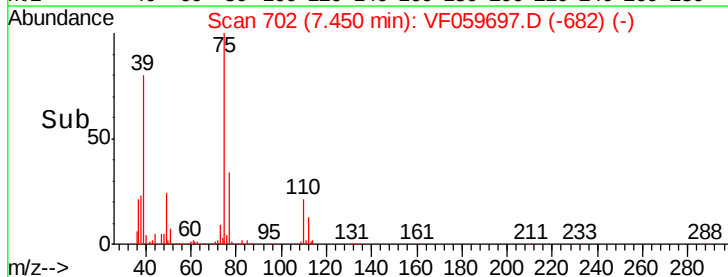
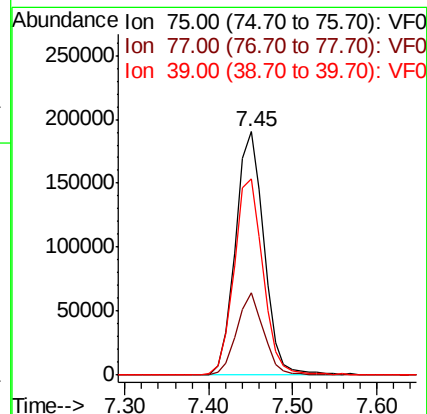
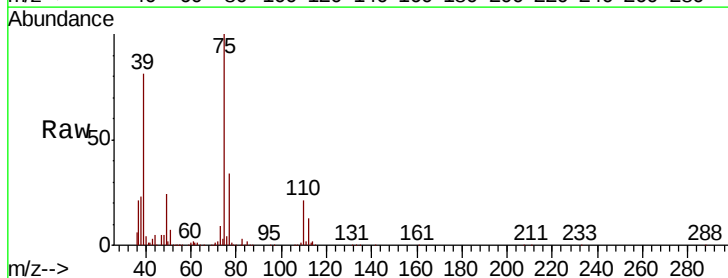
Tgt Ion: 75 Resp: 449914

Ion Ratio Lower Upper

75 100

77 33.7 24.0 36.0

39 80.6 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 168.089 ug/l

RT: 8.63 min Scan# 822

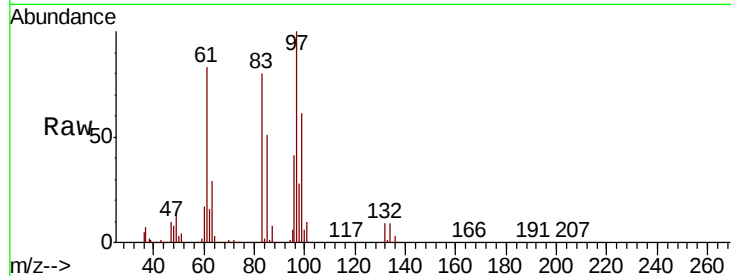
Delta R.T. 0.00 min

Lab File: VF059697.D

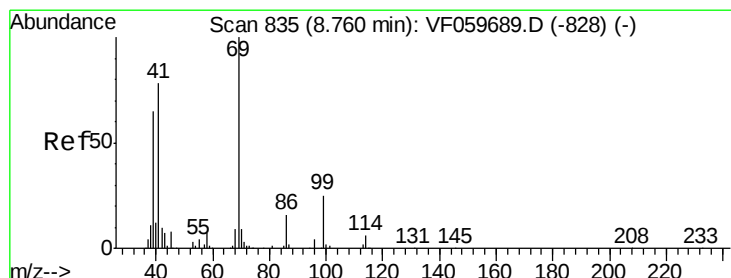
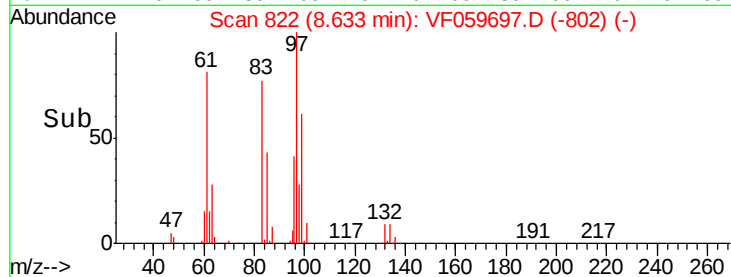
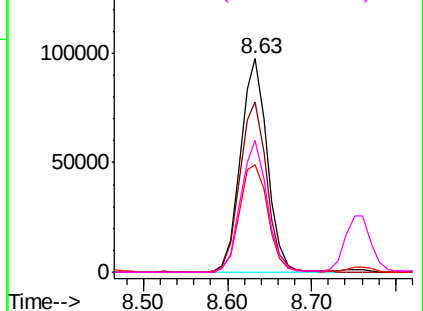
Acq: 30 Jul 2018 19:32

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	97	Resp:	216613
Ion	Ratio	Lower	Upper
97	100		
83	79.7	66.6	100.0
85	50.6	47.4	71.0
99	61.5	53.2	79.8



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 82.95 (82.65 to 83.65): VF0
Ion 84.95 (84.65 to 85.65): VF0
Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 176.538 ug/l

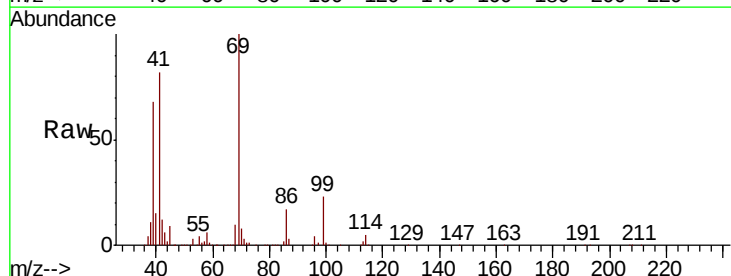
RT: 8.75 min Scan# 834

Delta R.T. -0.01 min

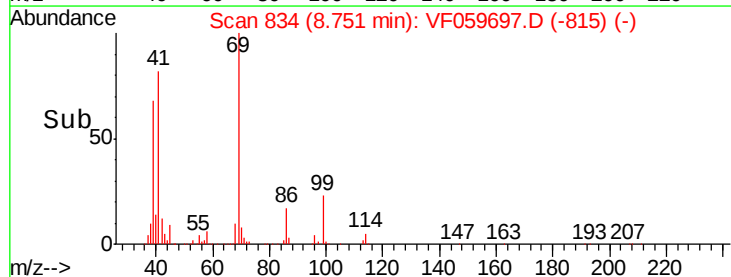
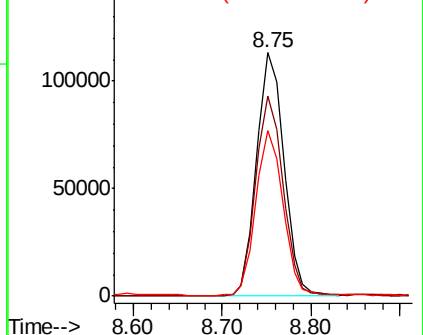
Lab File: VF059697.D

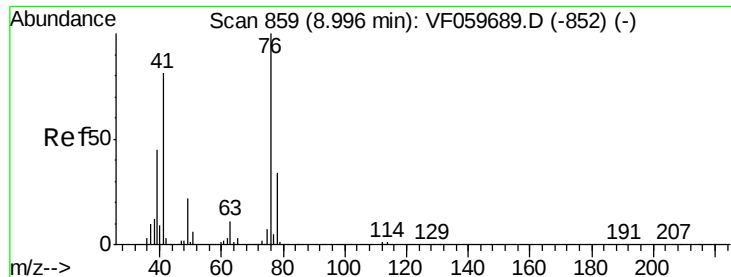
Acq: 30 Jul 2018 19:32

Tgt Ion:	69	Resp:	241180
Ion	Ratio	Lower	Upper
69	100		
41	82.4	62.3	93.5
39	68.0	52.4	78.6



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





#57

1,3-Dichloropropane

Concen: 165.383 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

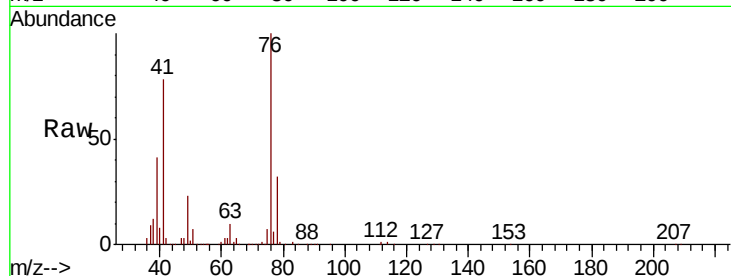
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 368548

Ion Ratio Lower Upper

76 100

78 32.0 27.2 40.8



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

8.99

150000

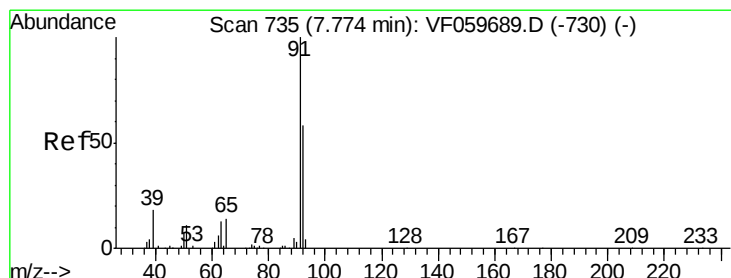
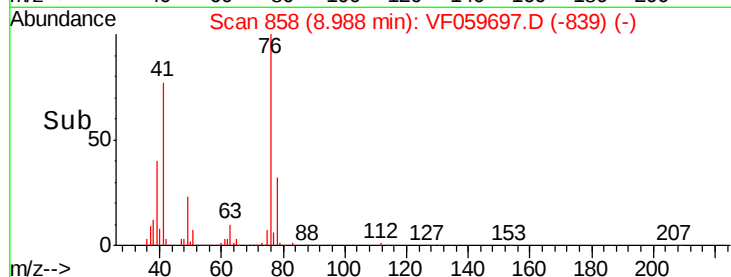
100000

50000

0

Time-->

8.90 9.00 9.10 9.20



#58

2-Chloroethyl Vinyl ether

Concen: 721.855 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059697.D

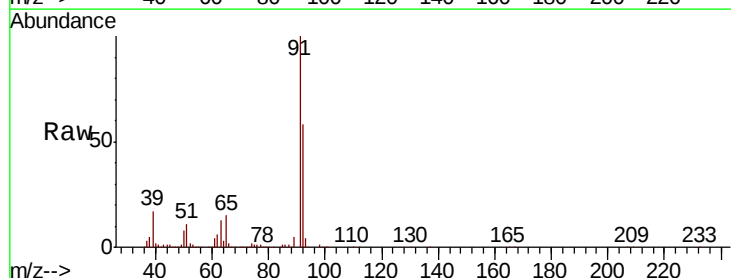
Acq: 30 Jul 2018 19:32

Tgt Ion: 63 Resp: 119071

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.78

50000

40000

30000

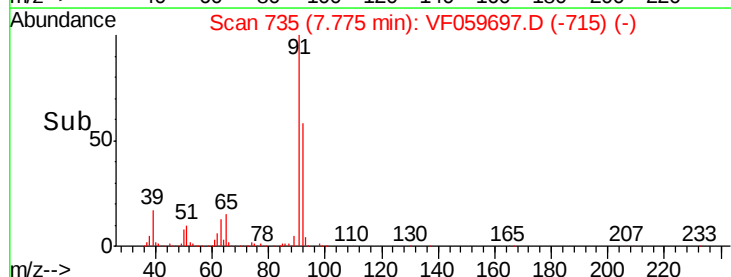
20000

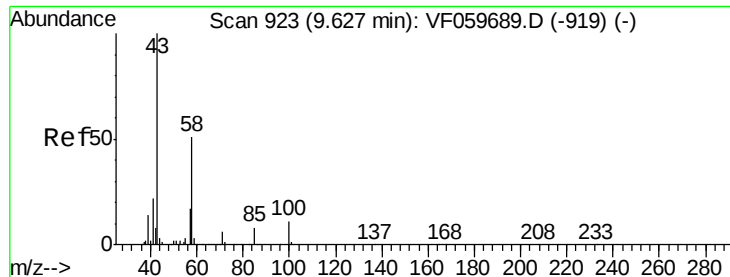
10000

0

Time-->

7.60 7.70 7.80 7.90

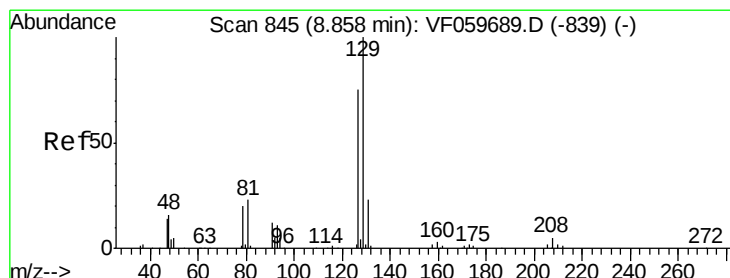
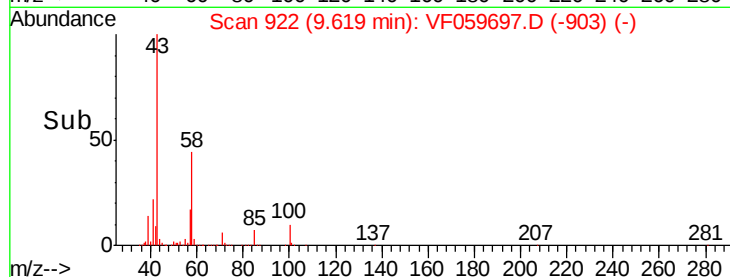
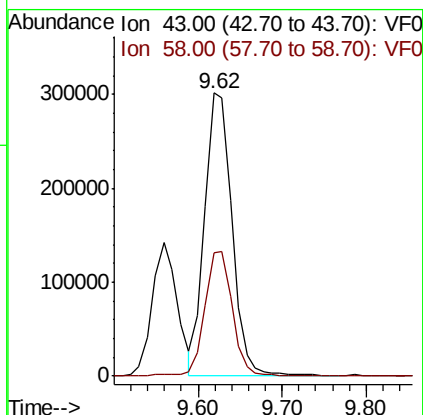
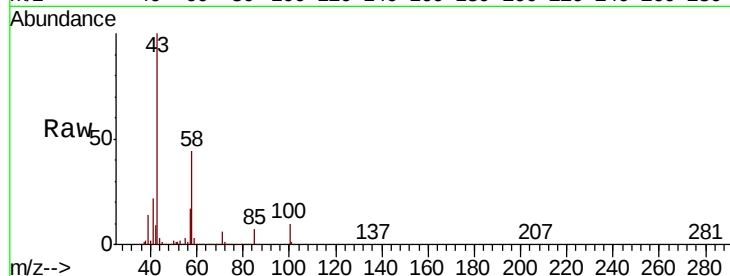




#59
2-Hexanone
Concen: 852.569 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

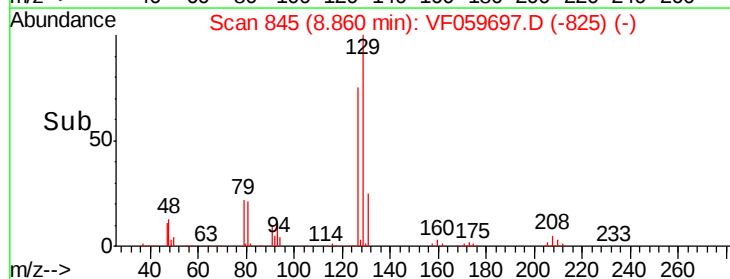
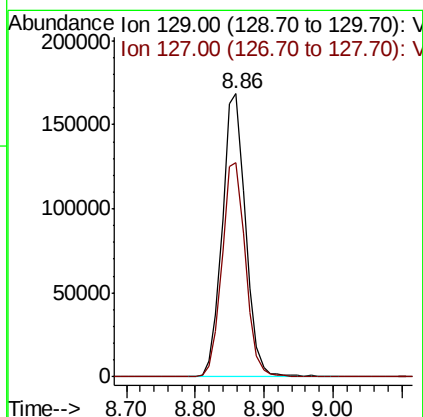
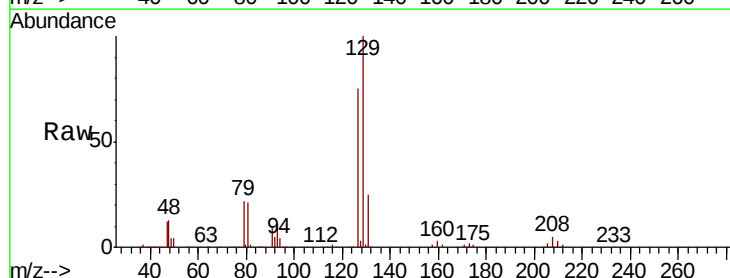
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 676042
Ion Ratio Lower Upper
43 100
58 43.7 23.3 69.8



#60
Dibromochloromethane
Concen: 169.989 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion: 129 Resp: 395196
Ion Ratio Lower Upper
129 100
127 75.5 37.7 113.1





#61

1,2-Dibromoethane

Concen: 166.517 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

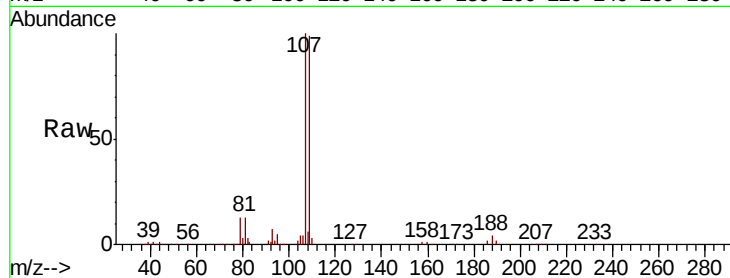
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 259495

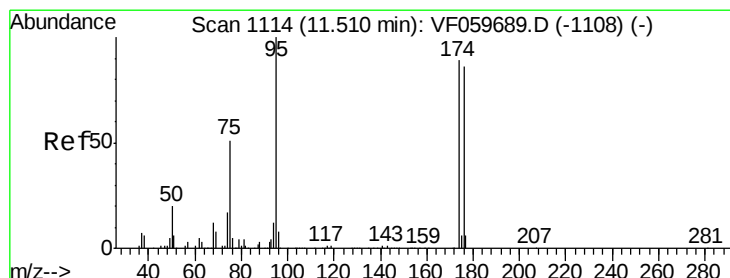
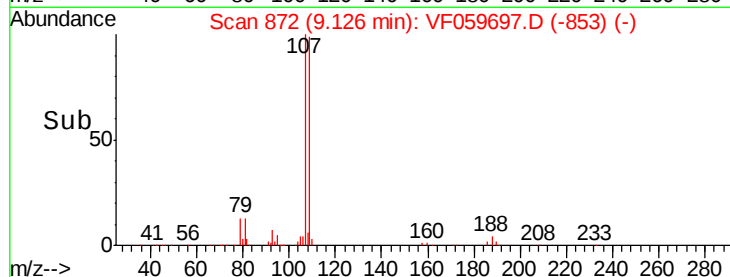
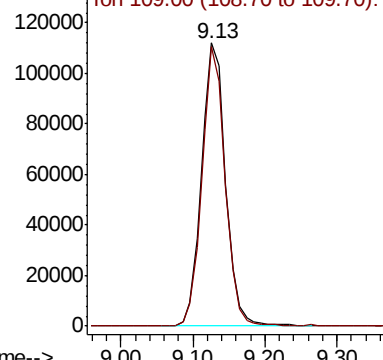
Ion Ratio Lower Upper

107 100

109 98.6 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 146.424 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

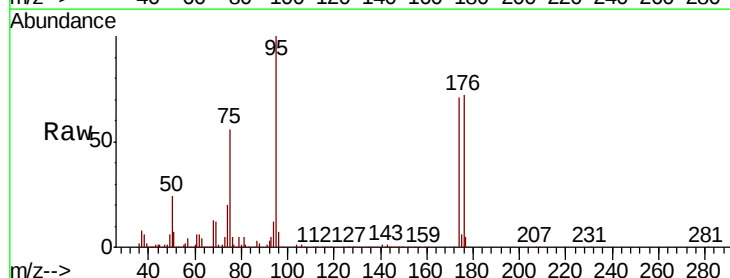
Tgt Ion: 95 Resp: 497086

Ion Ratio Lower Upper

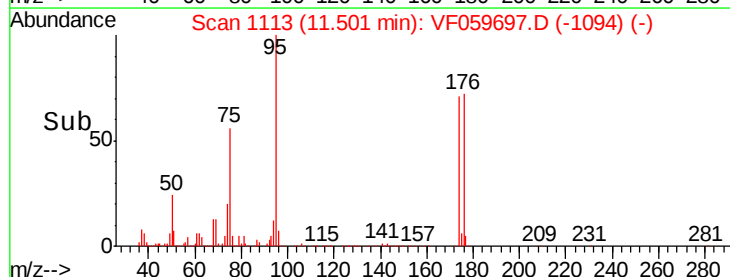
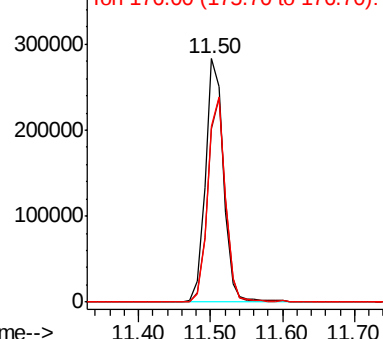
95 100

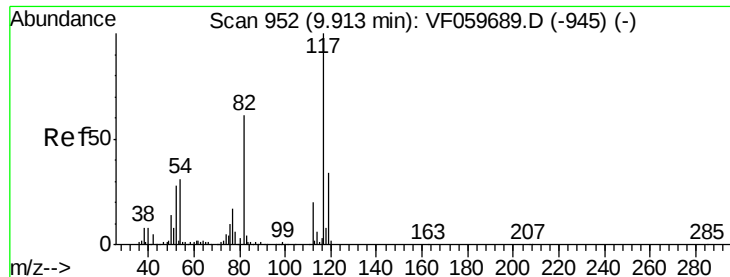
174 71.4 0.0 178.4

176 72.4 0.0 173.0



Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

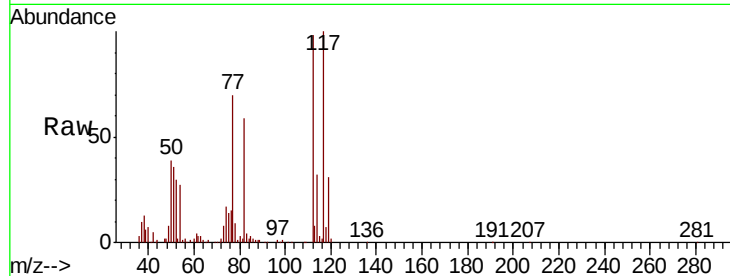




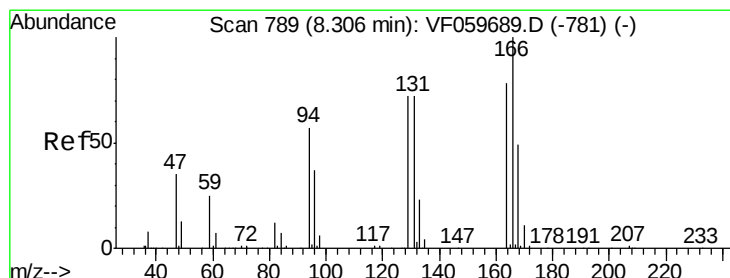
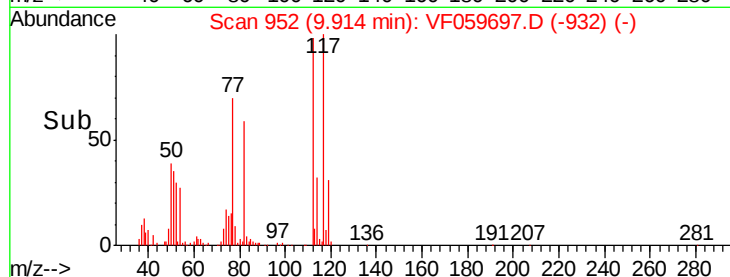
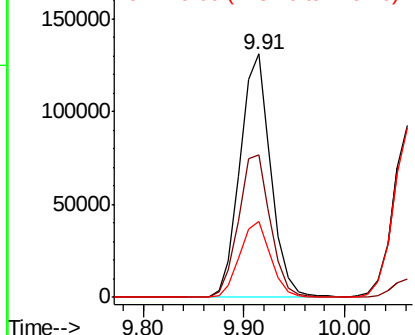
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 278358
Ion Ratio Lower Upper
117 100
82 58.7 49.0 73.4
119 31.4 27.3 40.9

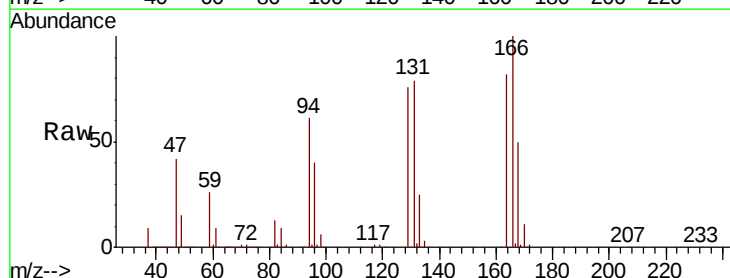


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

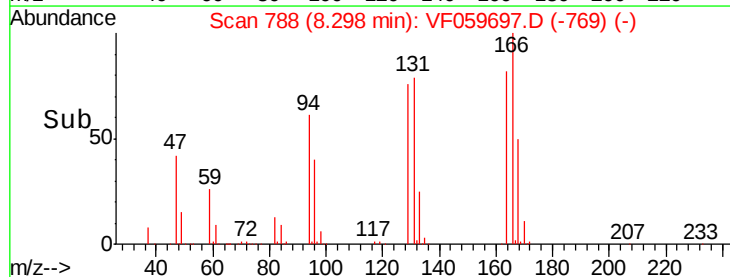
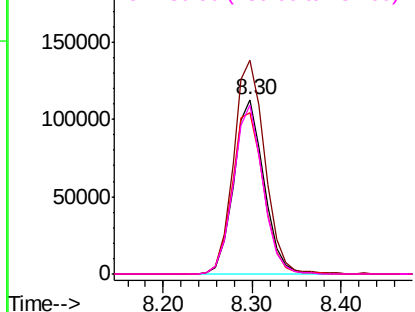


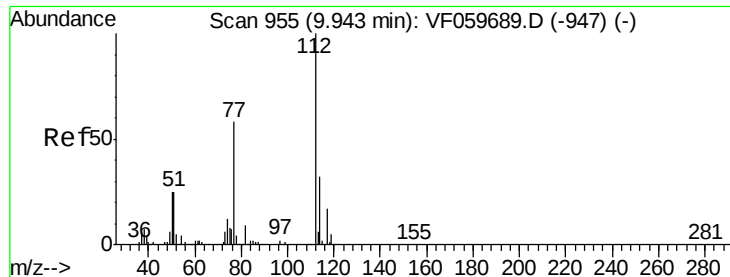
#64
Tetrachloroethene
Concen: 119.732 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion:164 Resp: 265563
Ion Ratio Lower Upper
164 100
166 122.4 102.1 153.1
129 92.8 73.8 110.6
131 96.7 73.1 109.7



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

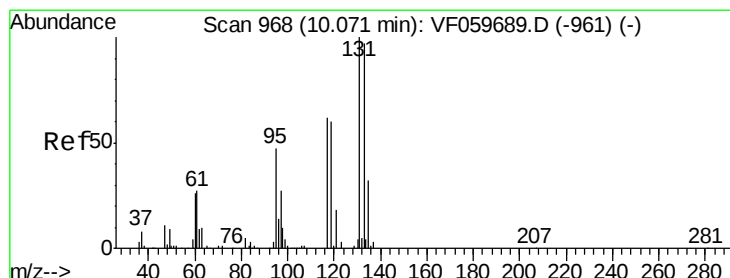
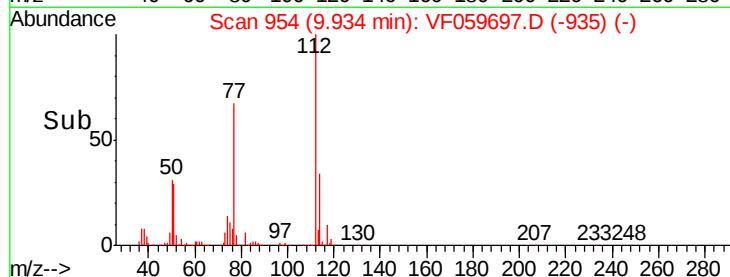
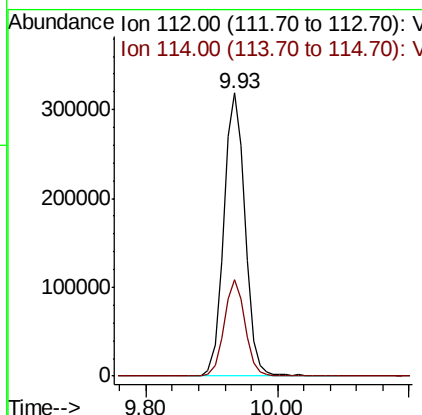
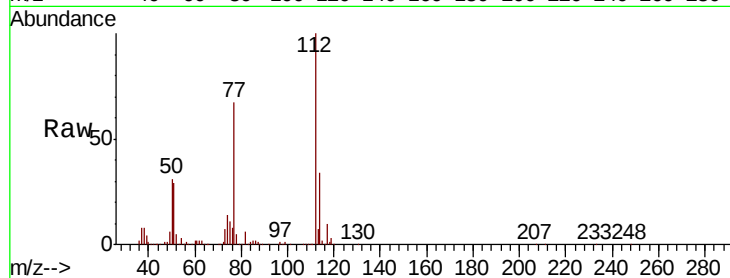




#65
Chlorobenzene
Concen: 133.510 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

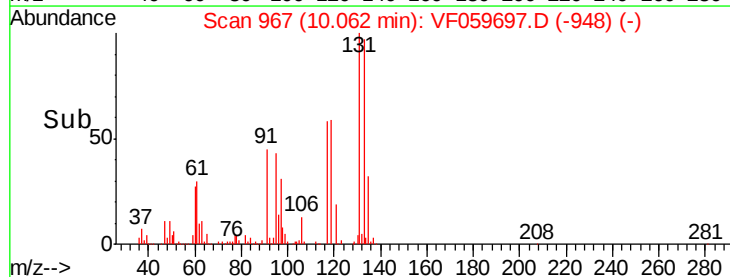
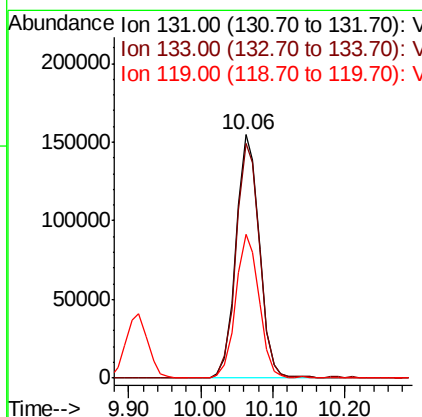
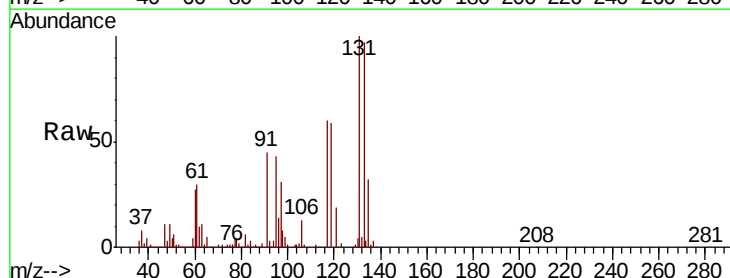
Instrument :
MSVOA_F
ClientSampleId :

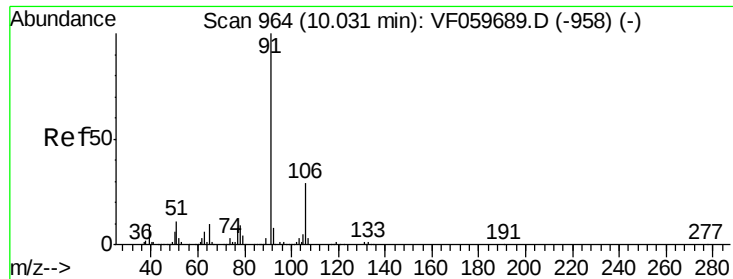
Tot Ion:112 Resp: 722057
Ion Ratio Lower Upper
112 100
114 33.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 141.155 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion:131 Resp: 351358
Ion Ratio Lower Upper
131 100
133 96.6 48.5 145.5
119 59.1 30.3 90.8

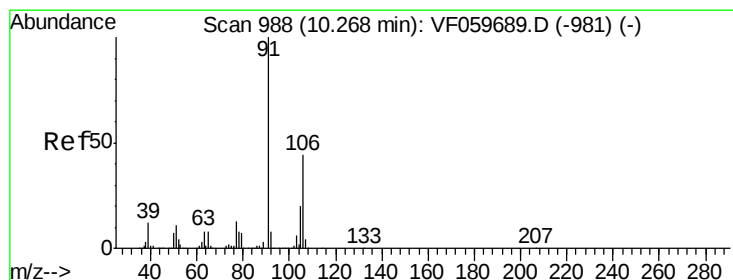
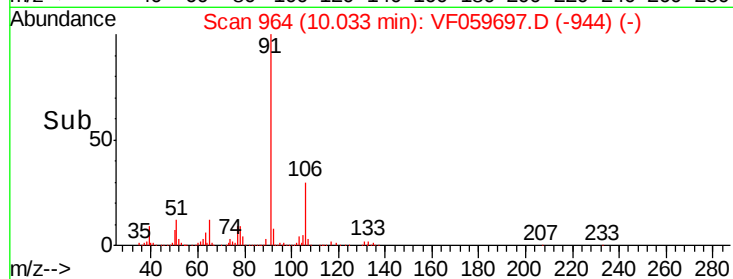
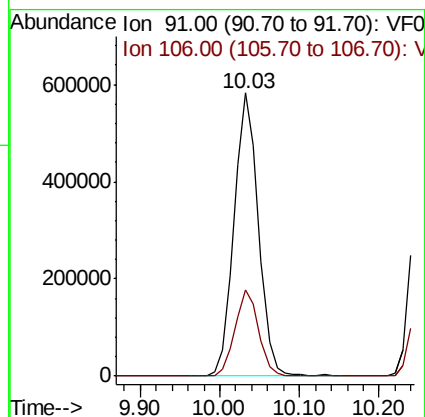
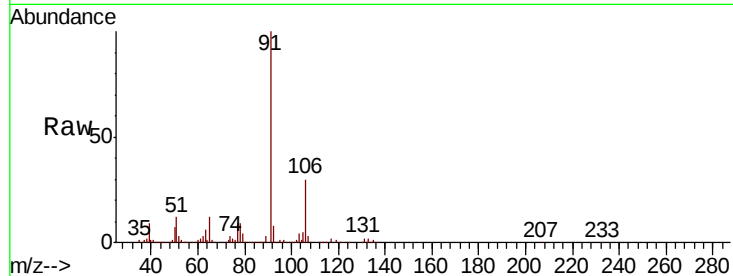




#67
Ethyl Benzene
Concen: 126.982 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

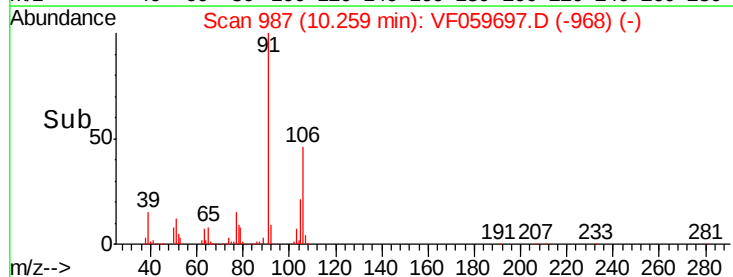
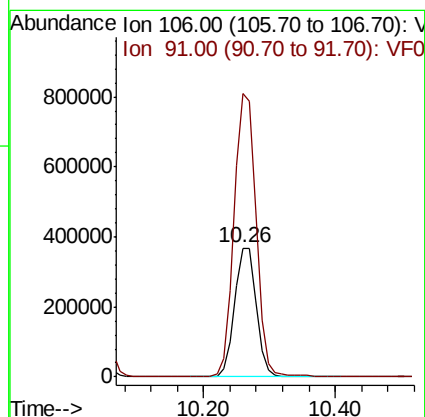
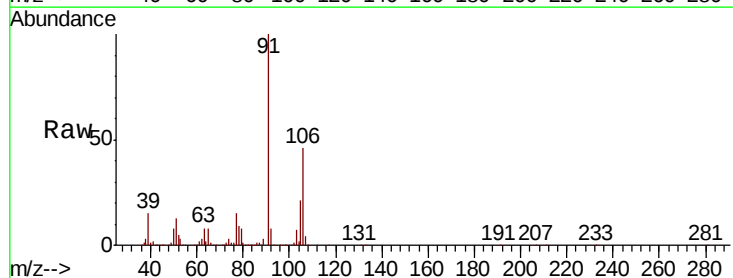
Instrument :
MSVOA_F
ClientSampleId :

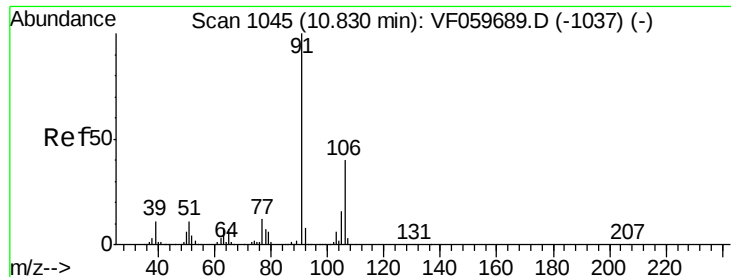
Tot Ion: 91 Resp: 1245354
Ion Ratio Lower Upper
91 100
106 30.3 22.9 34.3



#68
m/p-Xylenes
Concen: 251.368 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion: 106 Resp: 853150
Ion Ratio Lower Upper
106 100
91 219.4 181.7 272.5

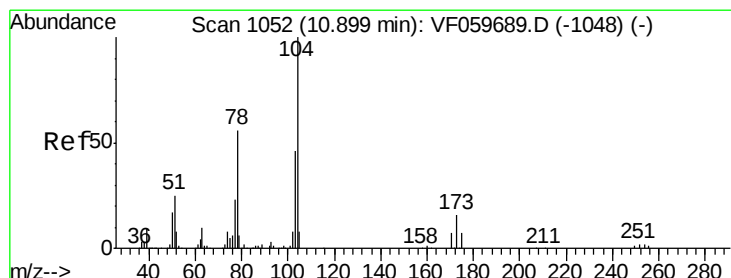
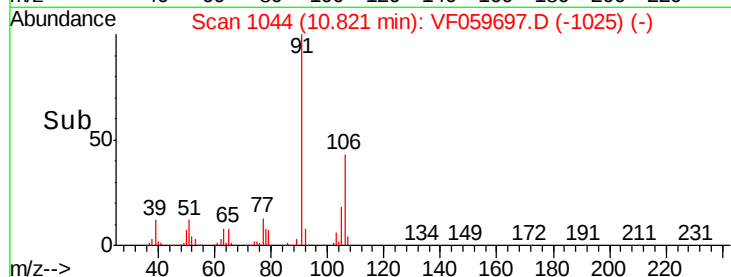
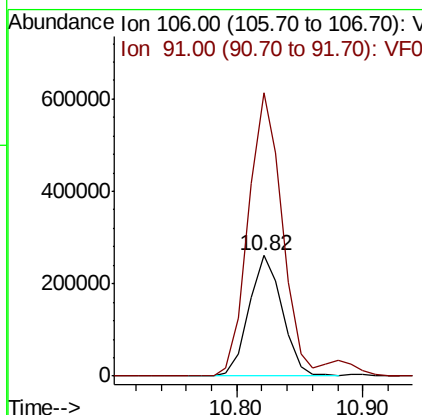
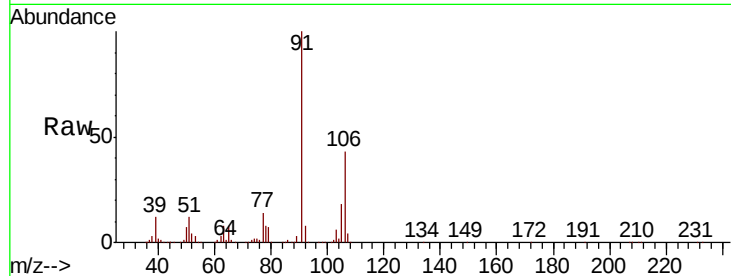




#69
o-Xylene
Concen: 130.898 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

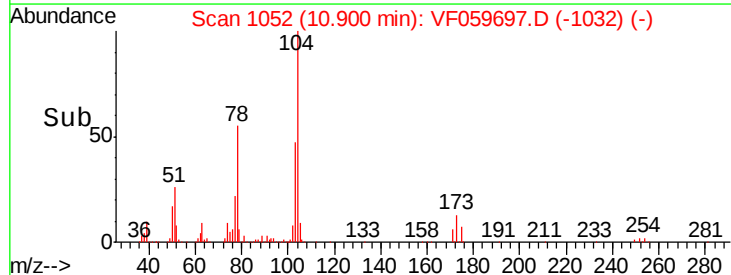
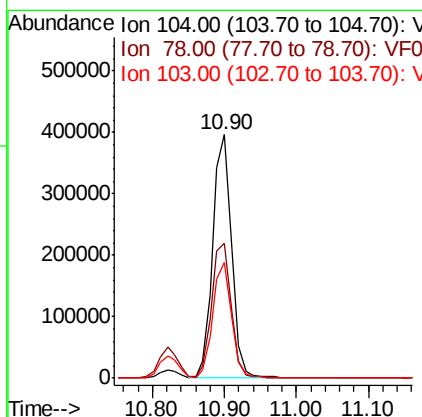
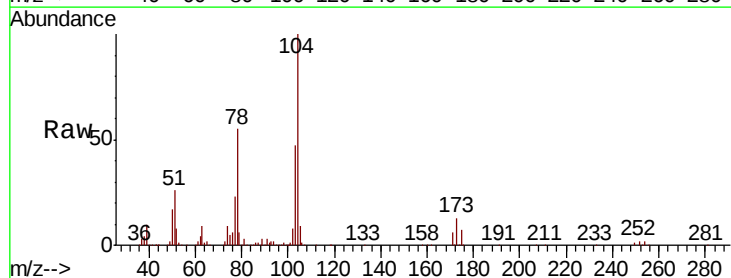
Instrument :
MSVOA_F
ClientSampleId :

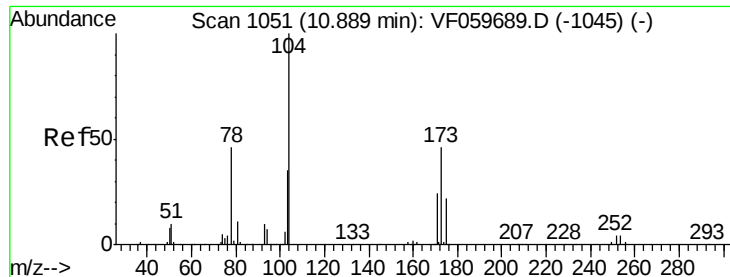
Tot Ion:106 Resp: 479781
Ion Ratio Lower Upper
106 100
91 235.0 124.6 373.7



#70
Styrene
Concen: 132.619 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion:104 Resp: 706918
Ion Ratio Lower Upper
104 100
78 55.2 45.3 67.9
103 47.3 36.6 54.8

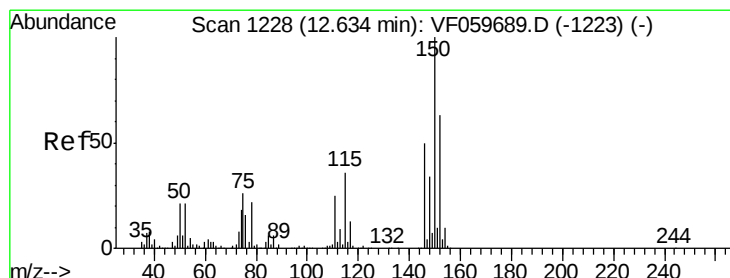
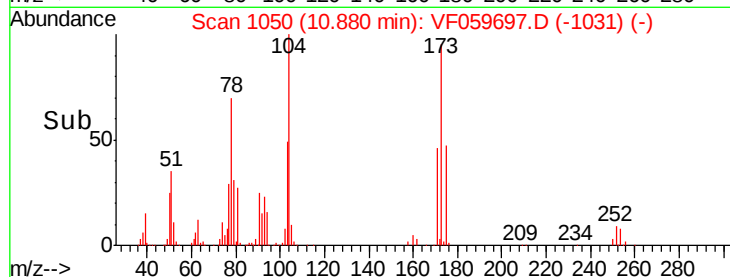
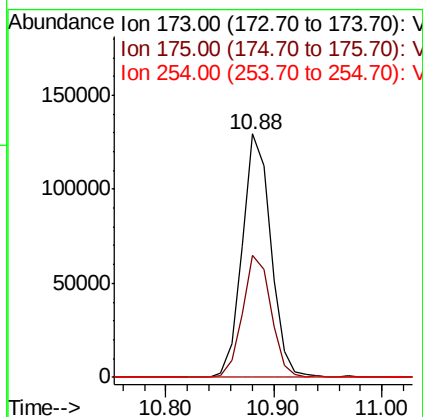
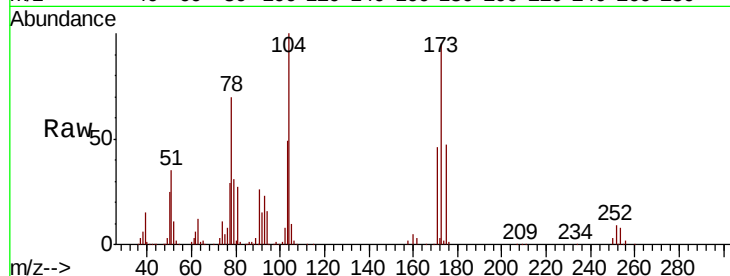




#71
Bromoform
Concen: 154.809 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

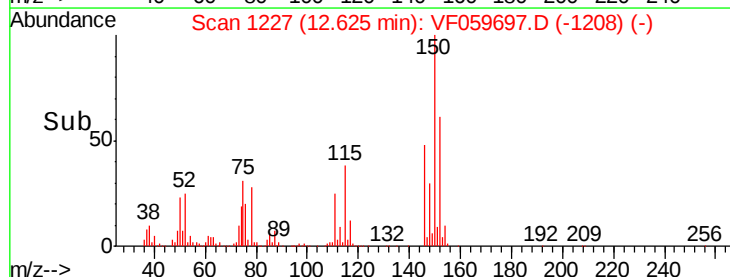
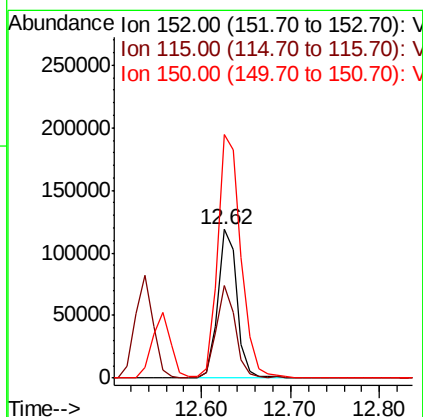
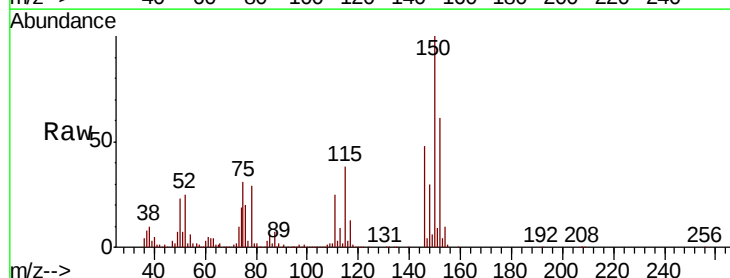
Instrument :
MSVOA_F
ClientSampleId :

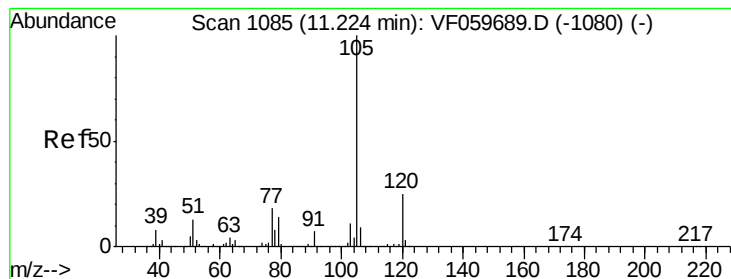
Tot Ion:173 Resp: 237618
Ion Ratio Lower Upper
173 100
175 50.0 23.4 70.0
254 0.2 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion:152 Resp: 180723
Ion Ratio Lower Upper
152 100
115 62.4 28.2 84.6
150 164.1 0.0 316.2





#73

Isopropylbenzene

Concen: 121.280 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

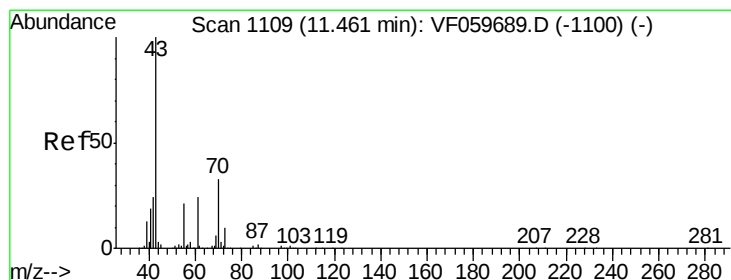
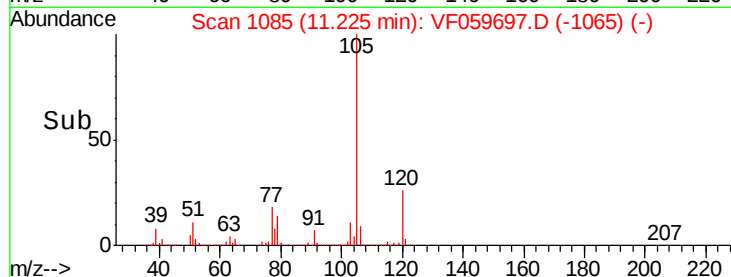
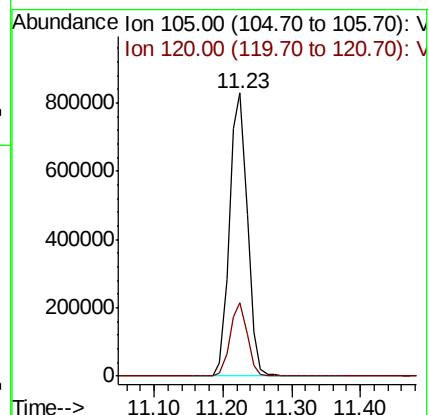
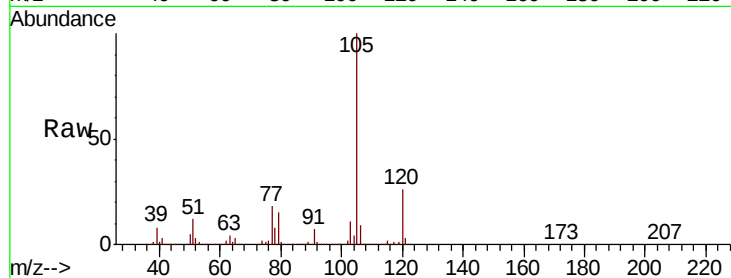
ClientSampleId :

Tot Ion:105 Resp: 1496065

Ion Ratio Lower Upper

105 100

120 25.8 12.4 37.4



#74

N-ethyl acetate

Concen: 156.618 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Tgt Ion: 43 Resp: 395960

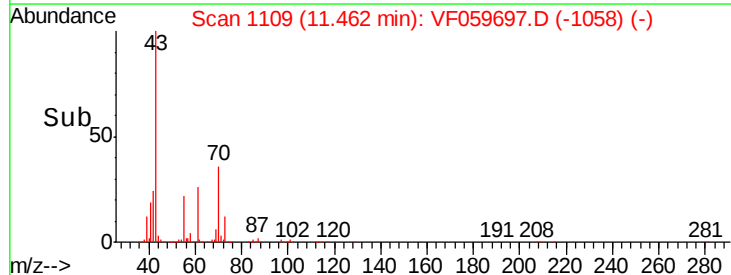
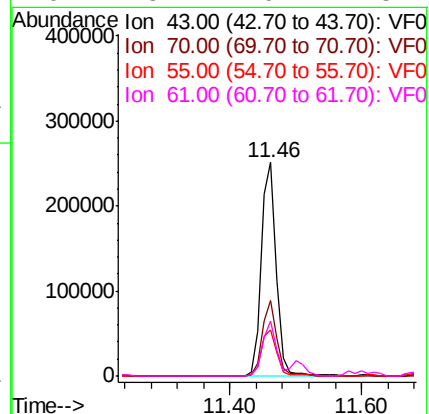
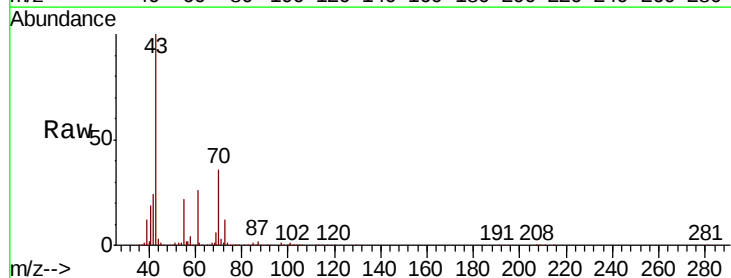
Ion Ratio Lower Upper

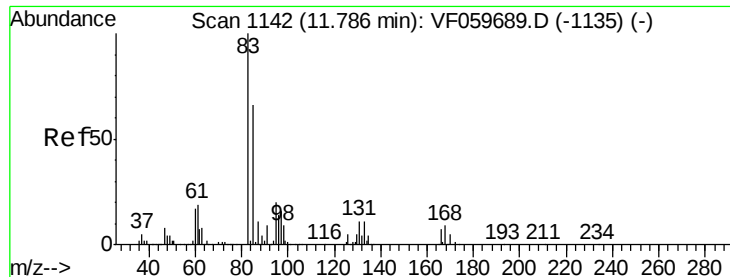
43 100

70 35.6 26.3 39.5

55 21.7 16.6 25.0

61 25.7 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 145.851 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

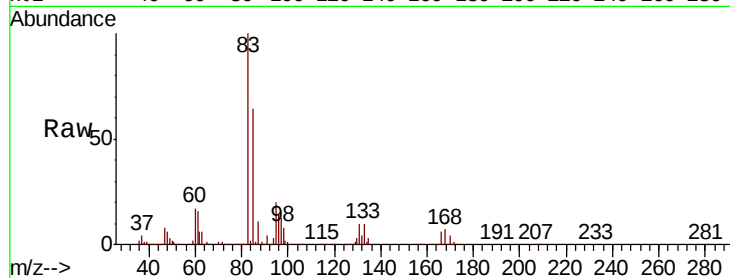
Tot Ion: 83 Resp: 295447

Ion Ratio Lower Upper

83 100

131 10.4 5.8 17.3

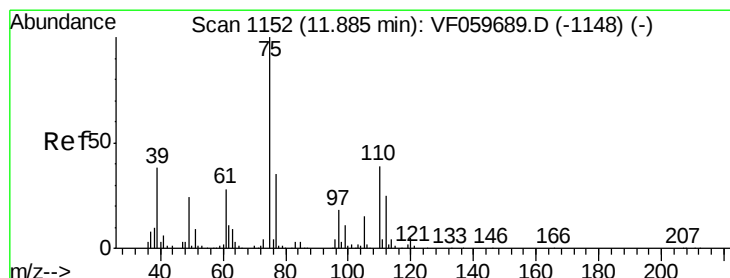
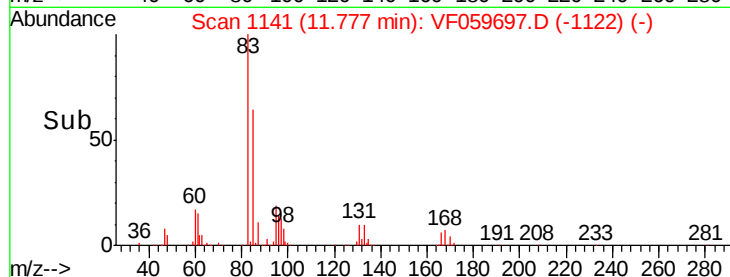
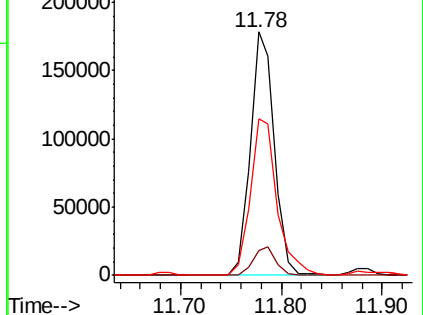
85 64.2 32.8 98.3



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: 151.298 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059697.D

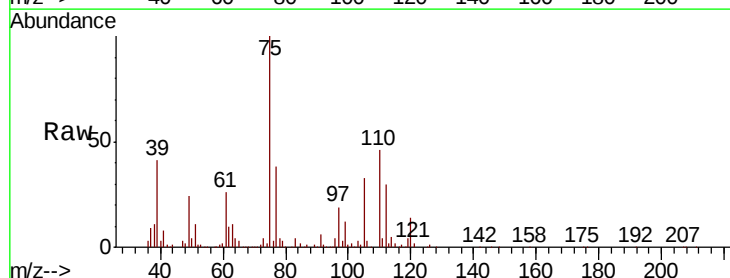
Acq: 30 Jul 2018 19:32

Tgt Ion: 75 Resp: 251709

Ion Ratio Lower Upper

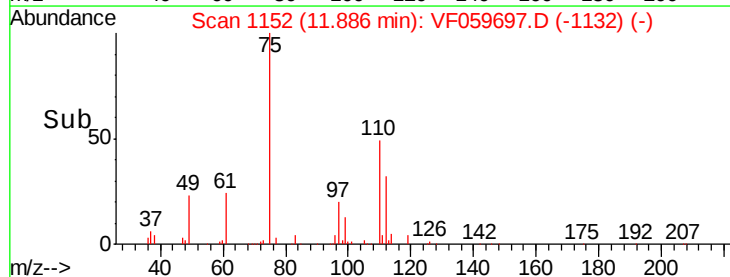
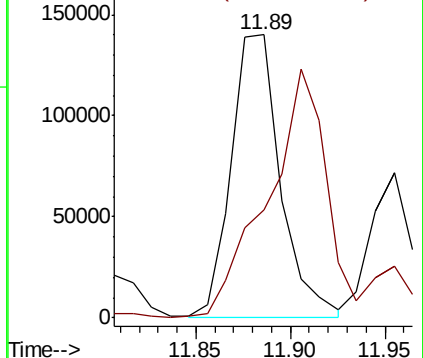
75 100

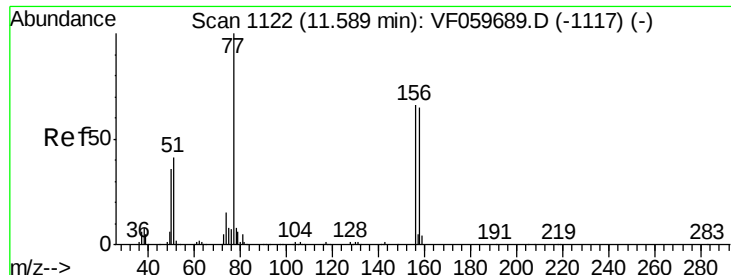
77 38.1 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 129.221 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

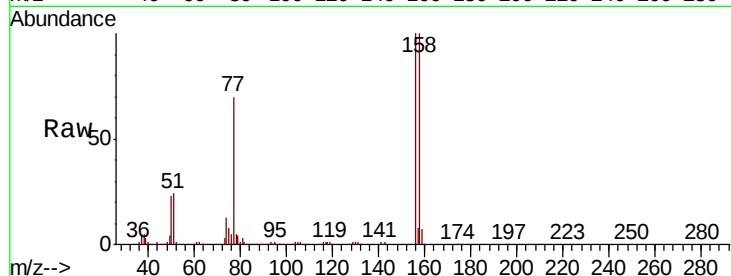
Tot Ion:156 Resp: 386909

Ion Ratio Lower Upper

156 100

77 69.6 75.2 225.6#

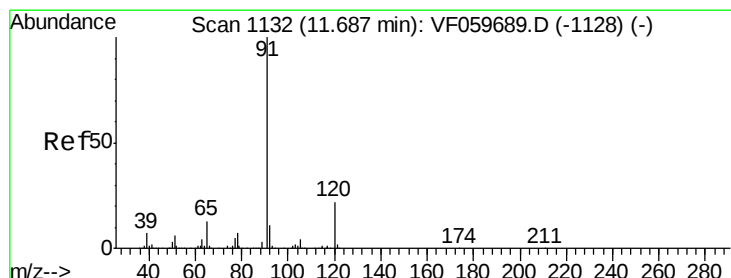
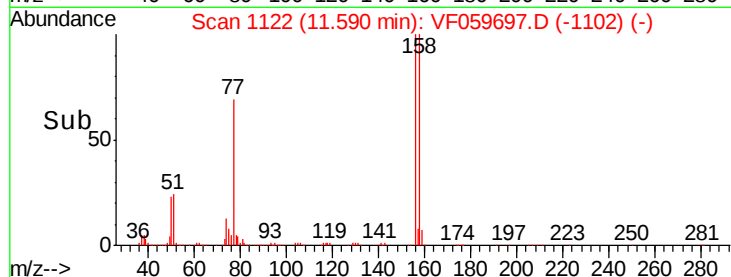
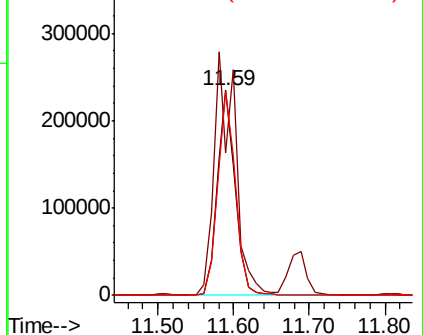
158 99.8 49.1 147.3



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: 118.191 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059697.D

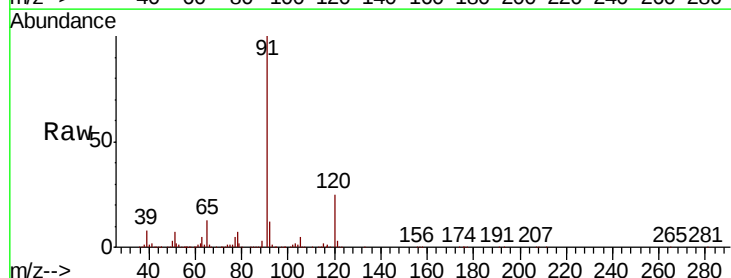
Acq: 30 Jul 2018 19:32

Tgt Ion: 91 Resp: 1679723

Ion Ratio Lower Upper

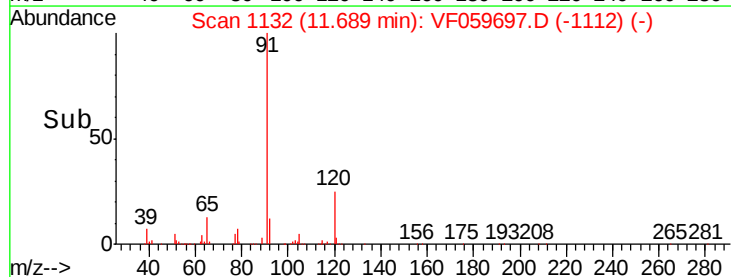
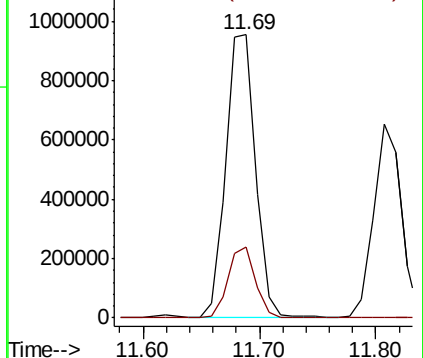
91 100

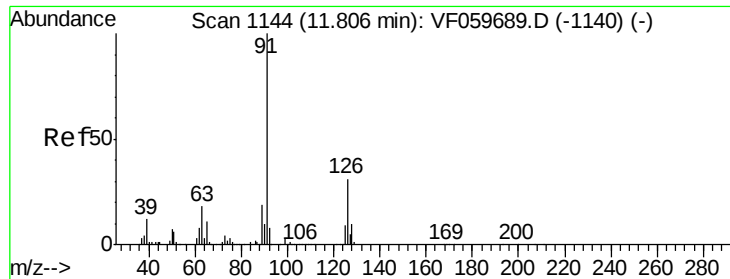
120 24.8 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 123.189 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

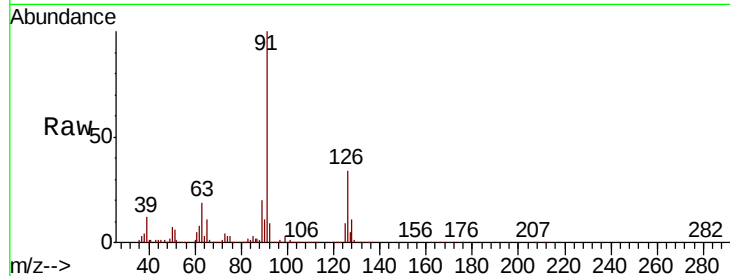
ClientSampleId :

Tot Ion: 91 Resp: 1065464

Ion Ratio Lower Upper

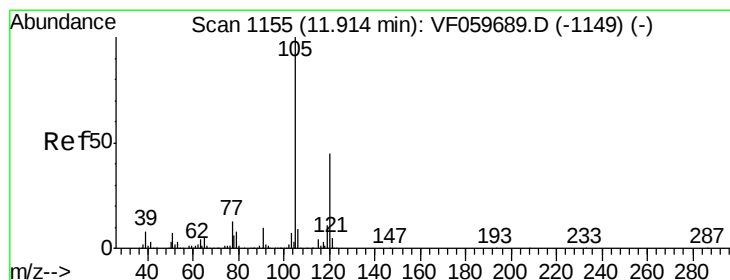
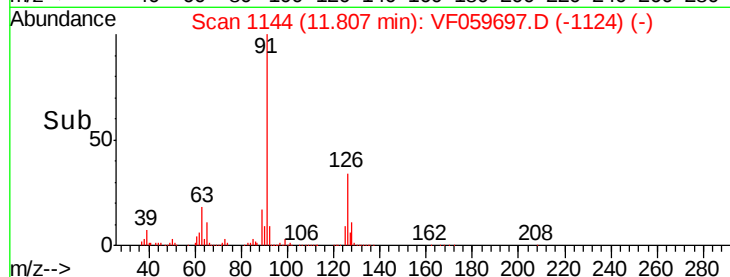
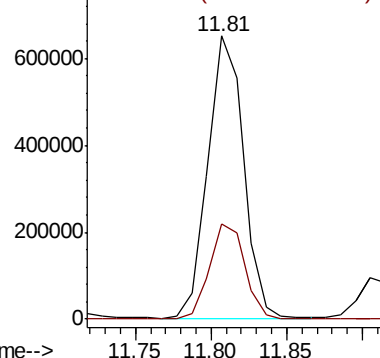
91 100

126 33.7 15.4 46.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 120.595 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059697.D

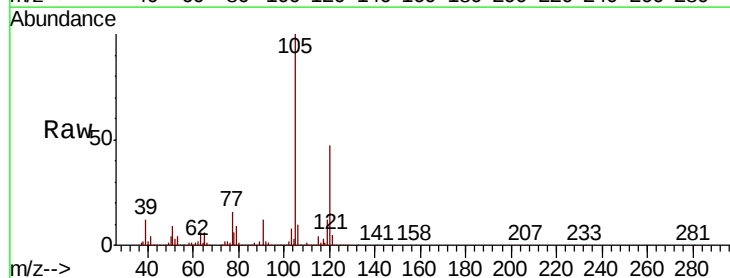
Acq: 30 Jul 2018 19:32

Tgt Ion:105 Resp: 1305753

Ion Ratio Lower Upper

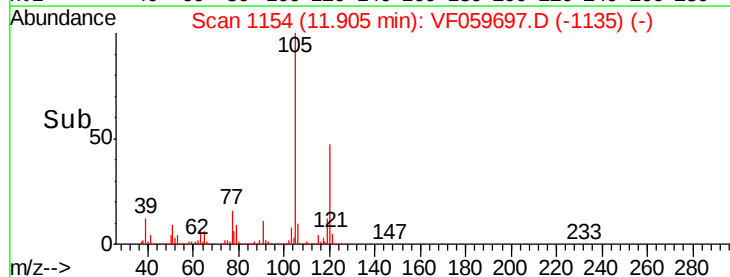
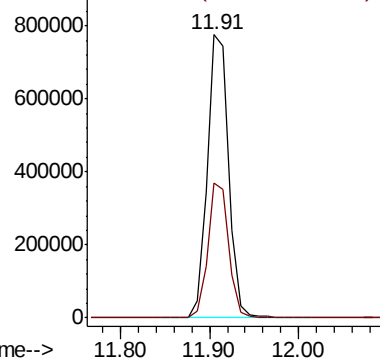
105 100

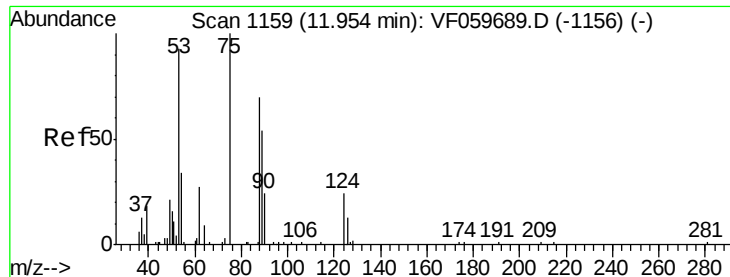
120 47.4 22.7 68.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 170.601 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

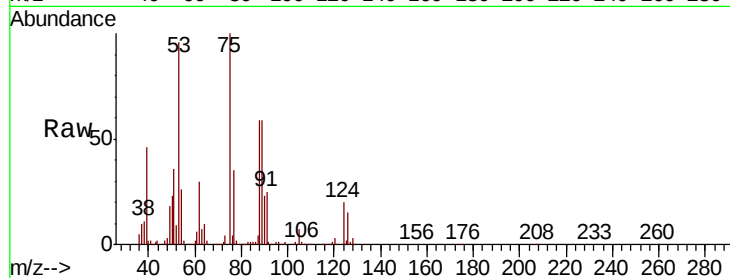
Tot Ion: 75 Resp: 147371

Ion Ratio Lower Upper

75 100

53 96.0 78.3 117.5

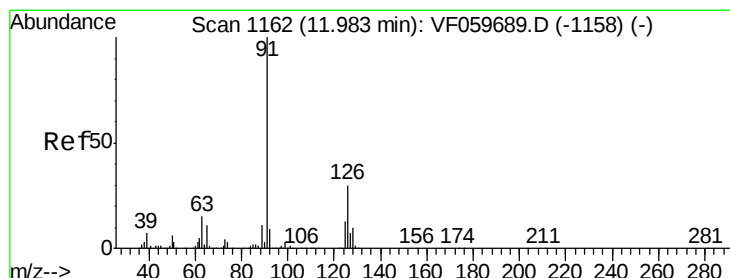
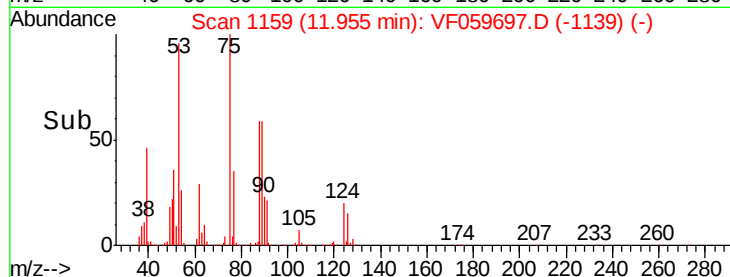
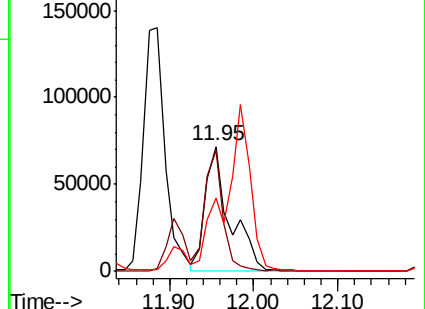
89 58.9 45.4 68.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 126.903 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059697.D

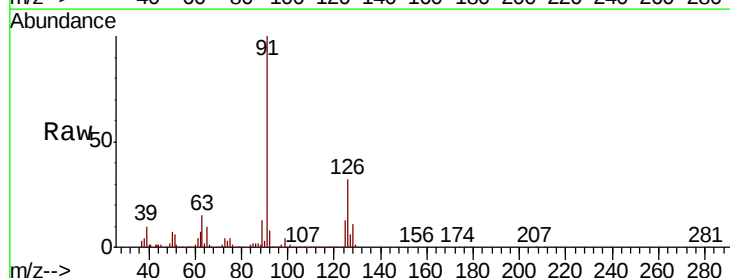
Acq: 30 Jul 2018 19:32

Tgt Ion: 91 Resp: 1156516

Ion Ratio Lower Upper

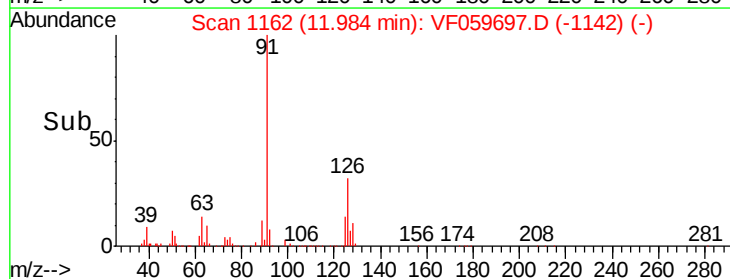
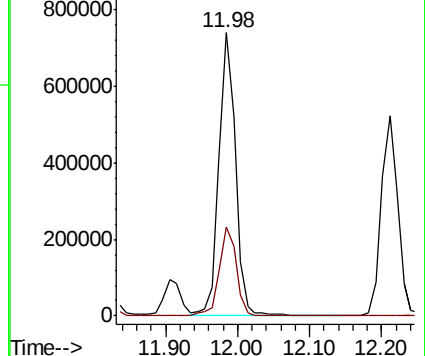
91 100

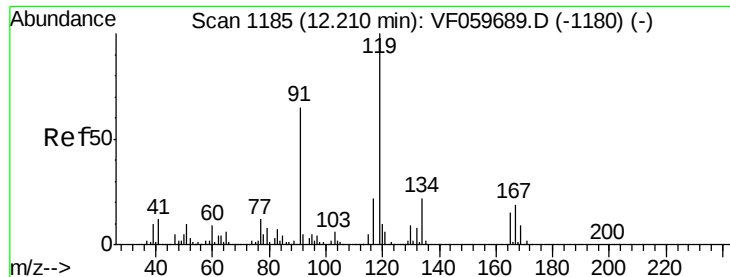
126 31.6 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 117.734 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

ClientSampled :

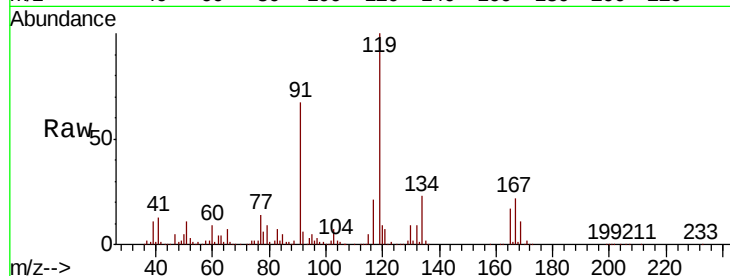
Tot Ion:119 Resp: 1288261

Ion Ratio Lower Upper

119 100

91 67.0 32.8 98.4

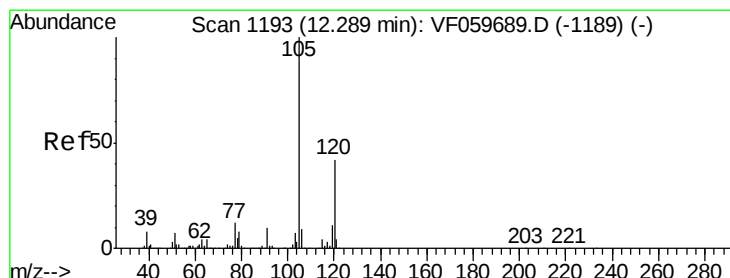
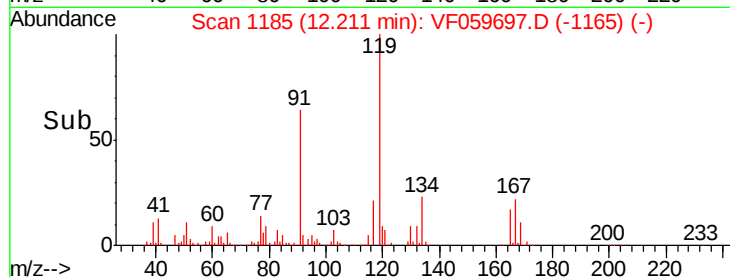
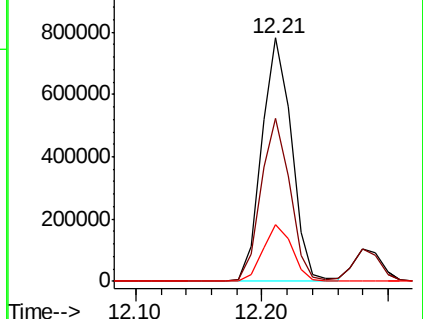
134 23.1 10.9 32.7



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: 119.532 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF059697.D

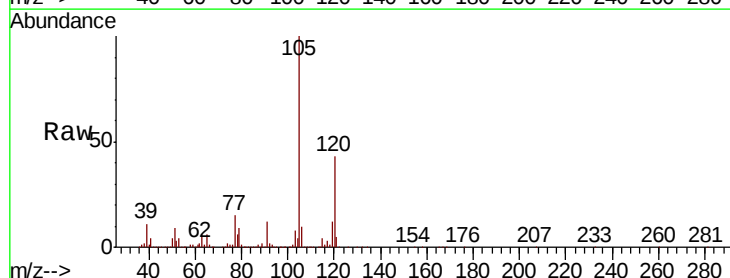
Acq: 30 Jul 2018 19:32

Tgt Ion:105 Resp: 1329798

Ion Ratio Lower Upper

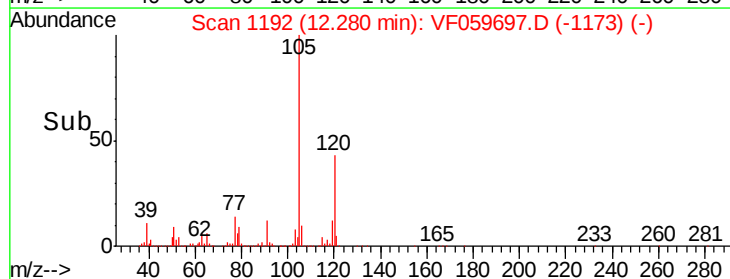
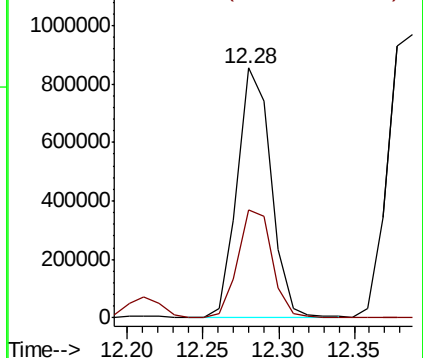
105 100

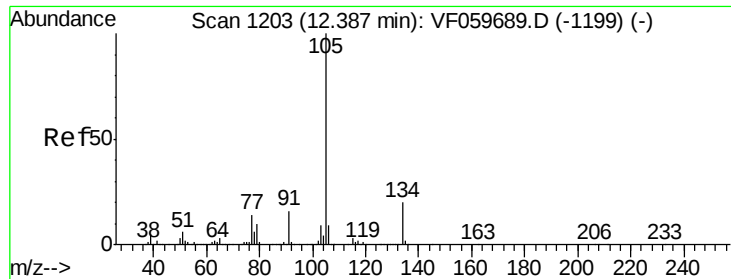
120 43.3 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 114.533 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

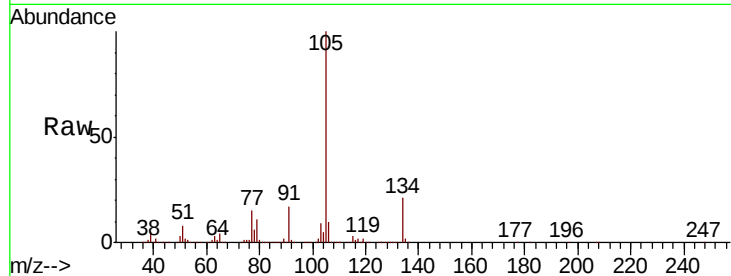
ClientSampleId :

Tot Ion:105 Resp: 1648829

Ion Ratio Lower Upper

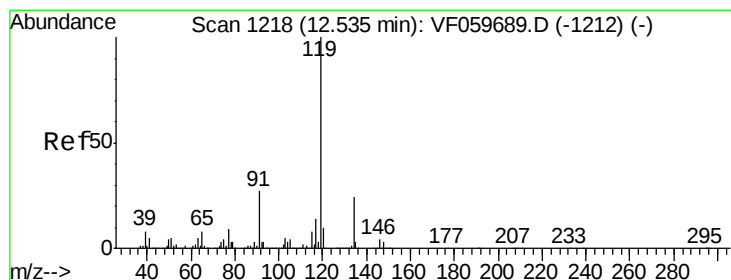
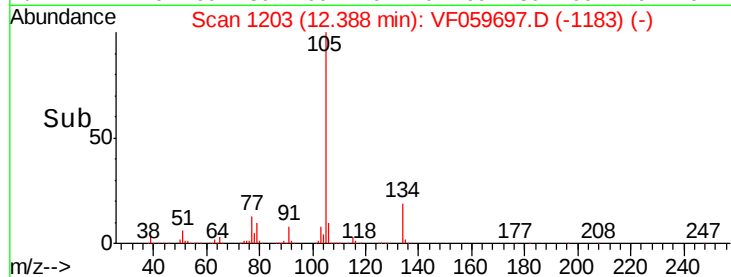
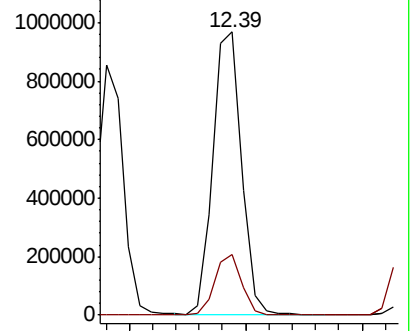
105 100

134 21.5 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 115.658 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

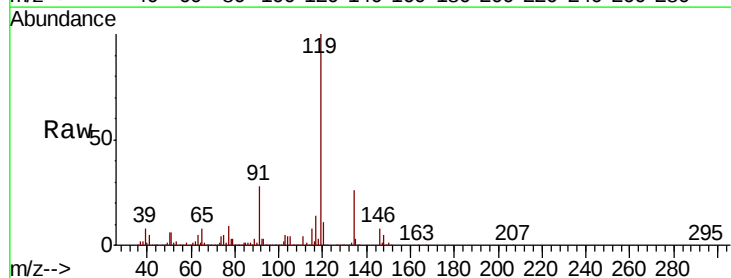
Tgt Ion:119 Resp: 1431776

Ion Ratio Lower Upper

119 100

134 26.3 12.2 36.6

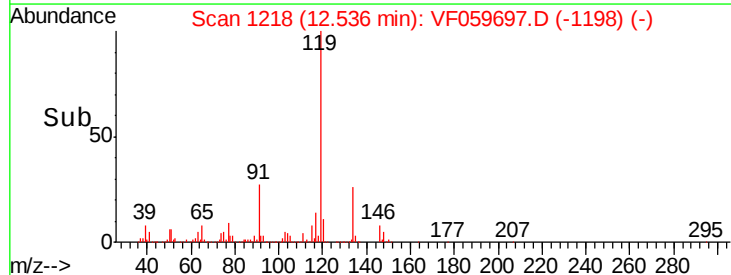
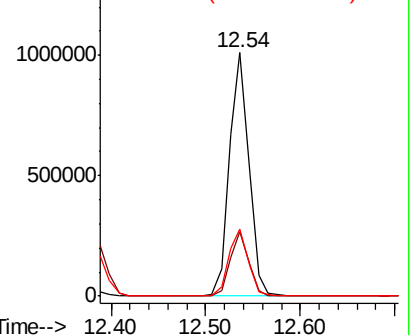
91 27.6 13.4 40.2

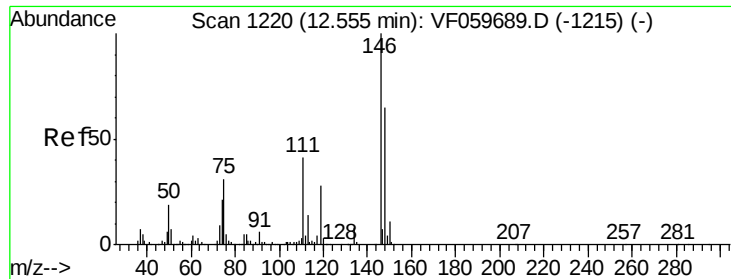


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

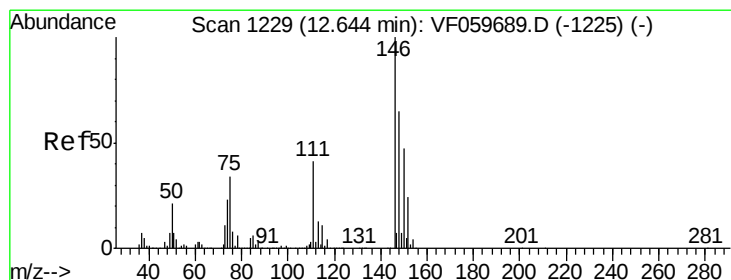
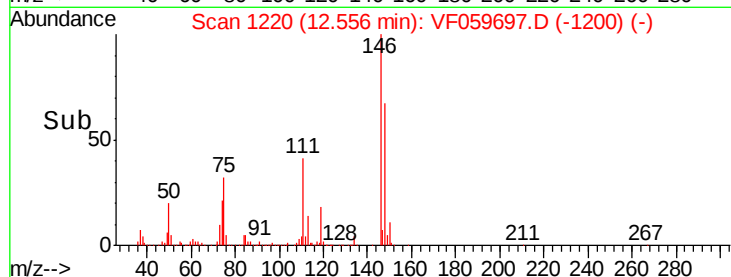
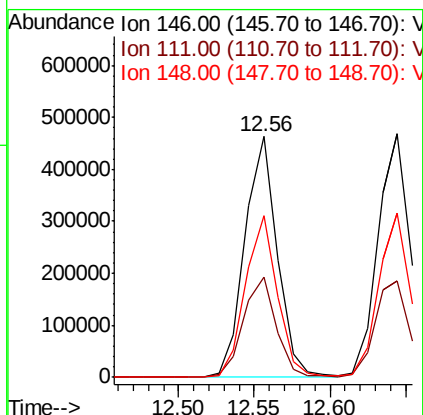
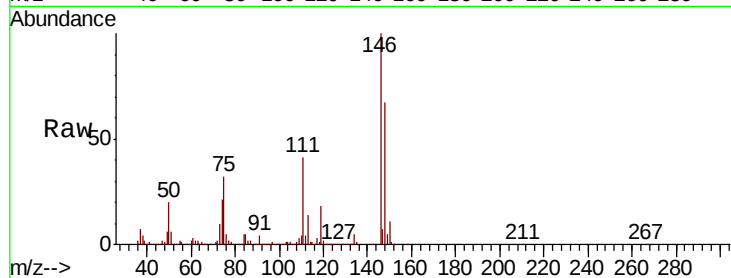




#87
 1,3-Dichlorobenzene
 Concen: 118.938 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059697.D
 Acq: 30 Jul 2018 19:32

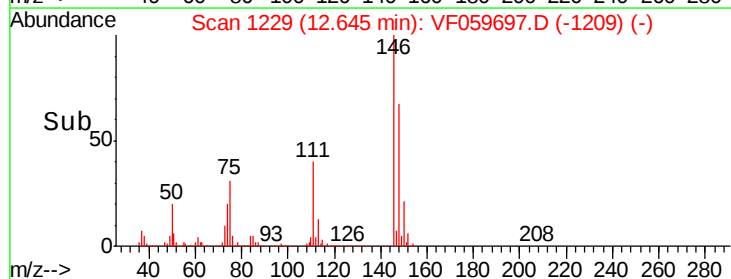
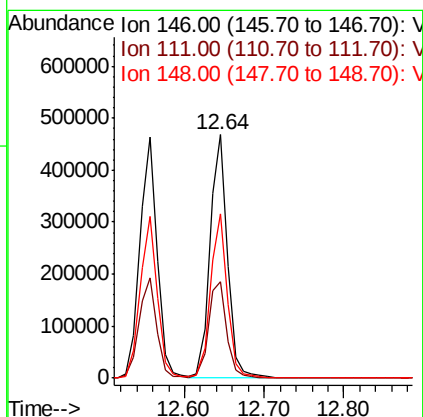
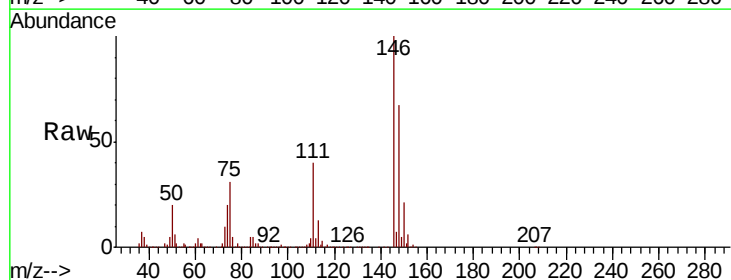
Instrument :
 MSVOA_F
 ClientSampled :

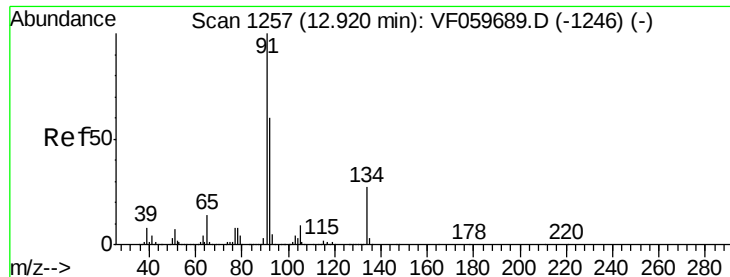
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	67.1	32.3	96.8



#88
 1,4-Dichlorobenzene
 Concen: 129.430 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059697.D
 Acq: 30 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.8	62.2
148	67.4	32.3	96.9





#89

n-Butylbenzene

Concen: 112.621 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

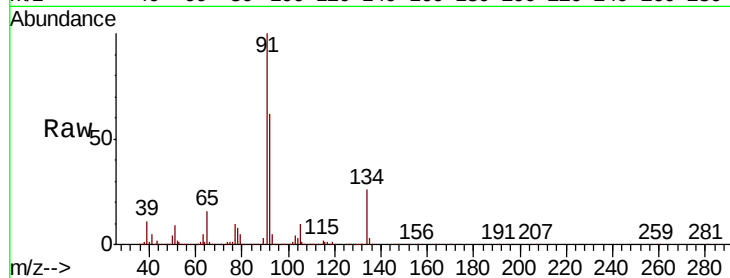
Tot Ion: 91 Resp: 1348260

Ion	Ratio	Lower	Upper
91	100		
92	62.1	30.1	90.3
134	26.2	13.7	41.0

91 100

92 62.1 30.1 90.3

134 26.2 13.7 41.0

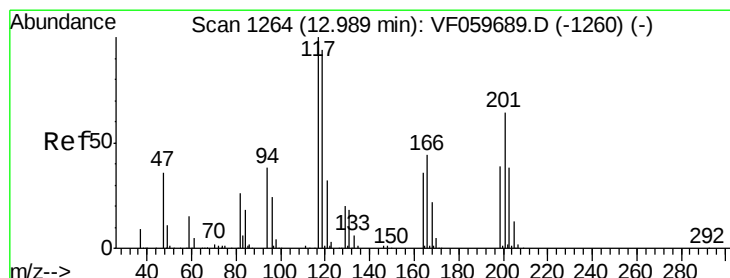
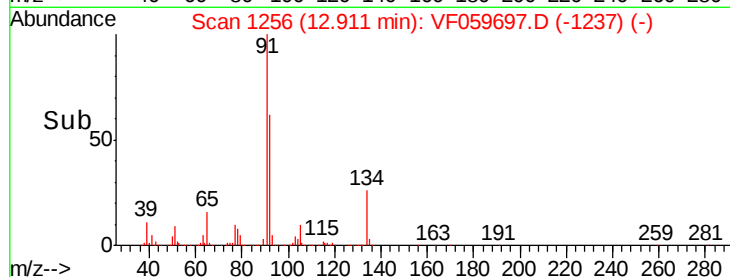
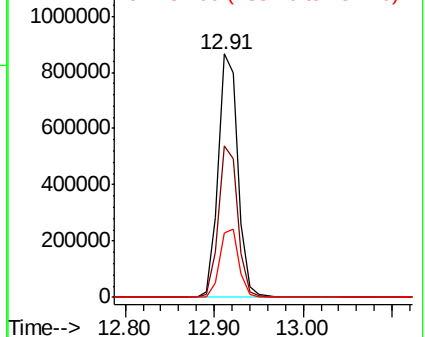


Abundance

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: 122.279 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF059697.D

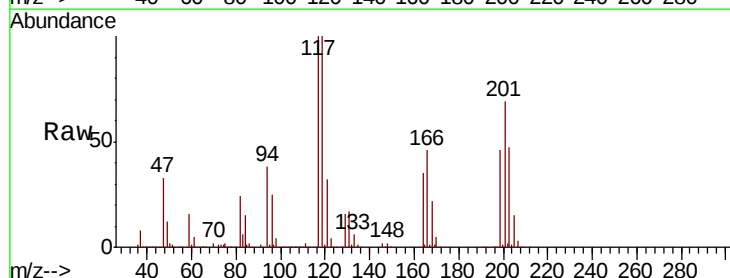
Acq: 30 Jul 2018 19:32

Tgt Ion: 117 Resp: 385328

Ion	Ratio	Lower	Upper
117	100		
201	69.2	31.9	95.5

117 100

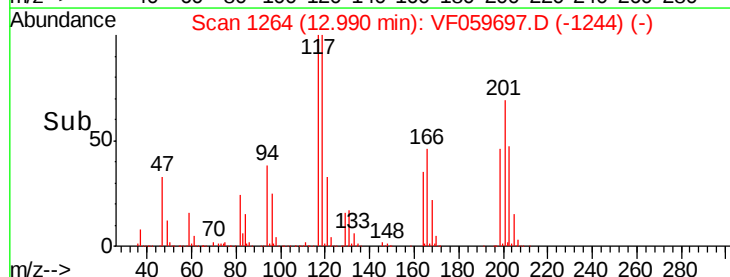
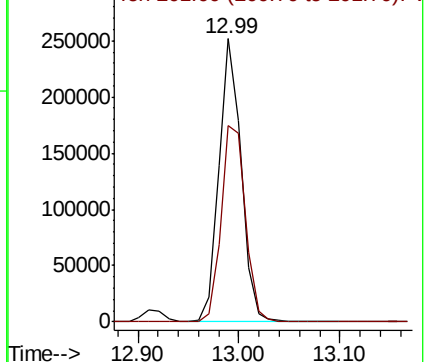
201 69.2 31.9 95.5

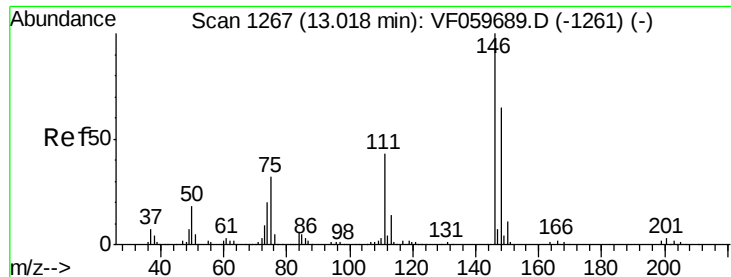


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 128.800 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

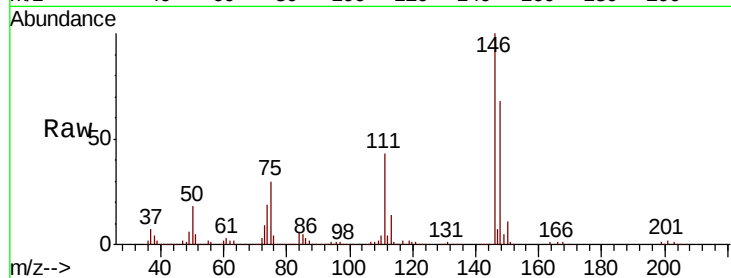
Tot Ion:146 Resp: 699168

Ion Ratio Lower Upper

146 100

111 42.8 21.6 65.0

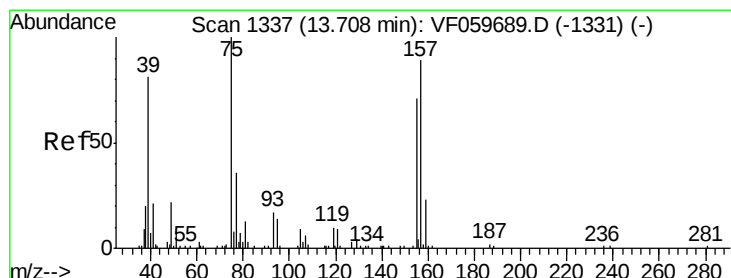
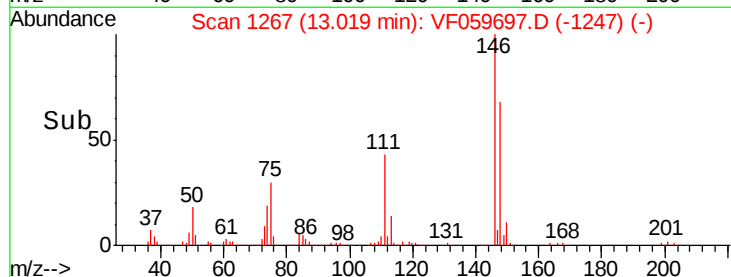
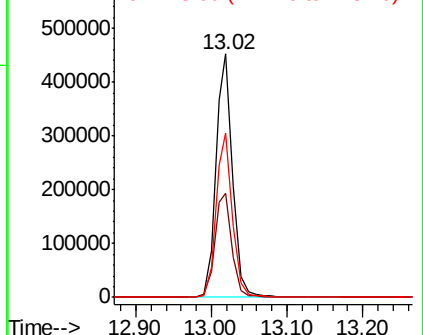
148 67.6 32.3 96.9



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: 166.896 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

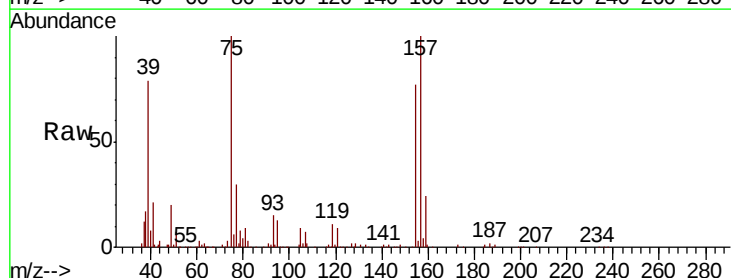
Tgt Ion: 75 Resp: 82227

Ion Ratio Lower Upper

75 100

155 77.6 35.4 106.2

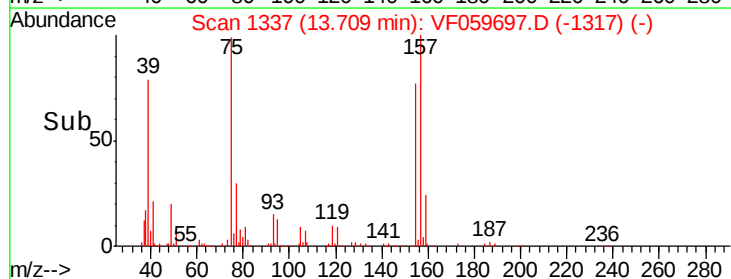
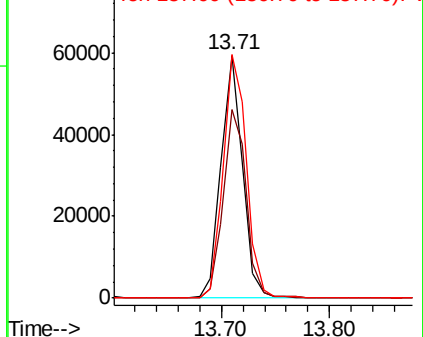
157 100.4 44.4 133.2

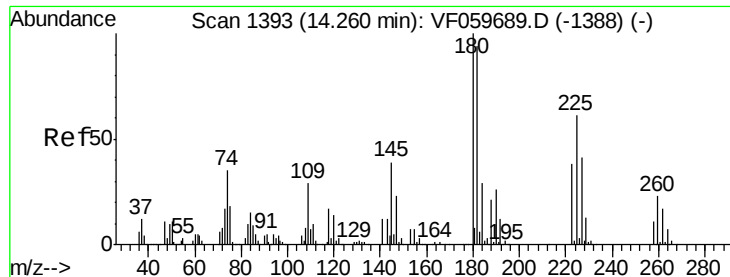


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

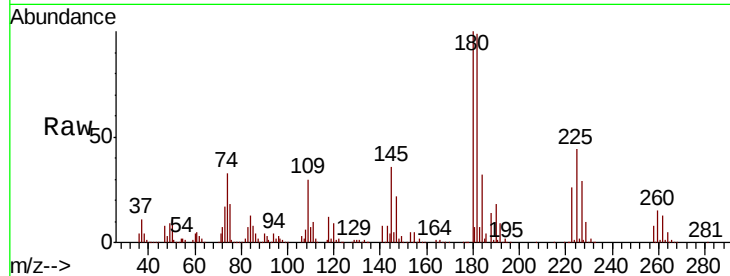




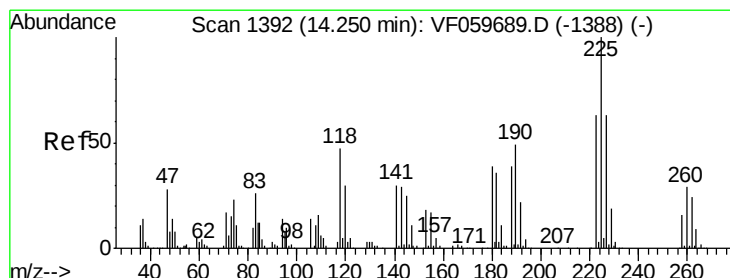
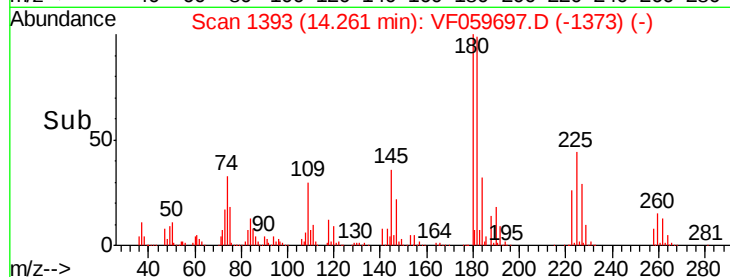
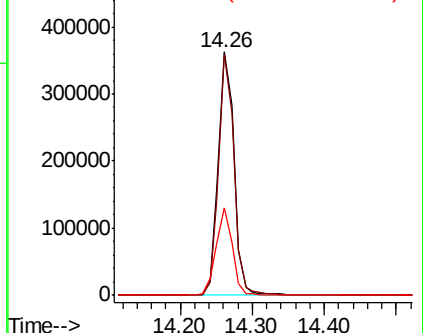
#93
 1,2,4-Trichlorobenzene
 Concen: 125.878 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059697.D
 Acq: 30 Jul 2018 19:32

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:180 Resp: 547616
 Ion Ratio Lower Upper
 180 100
 182 98.9 47.2 141.6
 145 36.2 19.3 57.9

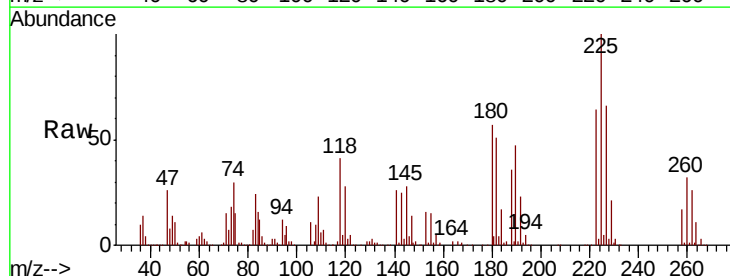


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

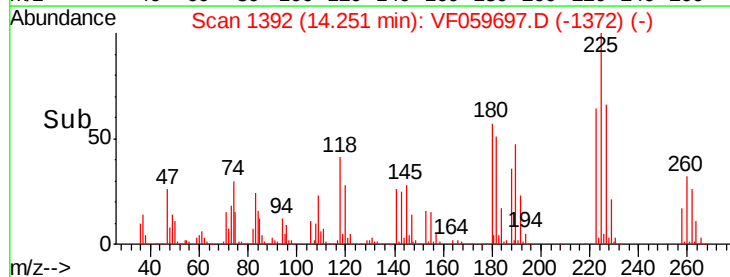
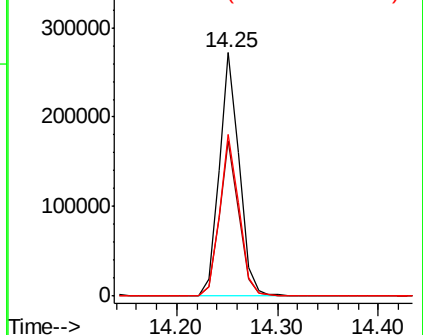


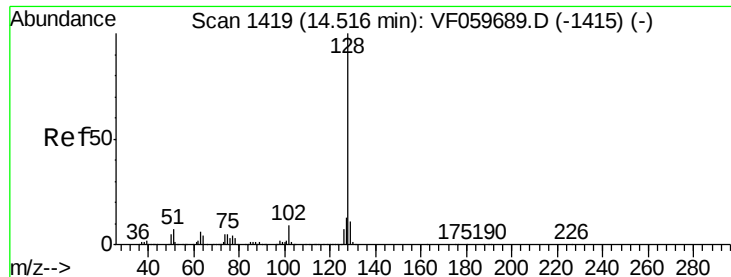
#94
 Hexachlorobutadiene
 Concen: 117.743 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059697.D
 Acq: 30 Jul 2018 19:32

Tgt Ion:225 Resp: 376841
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.4 94.2
 227 66.3 31.5 94.5



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 158.751 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

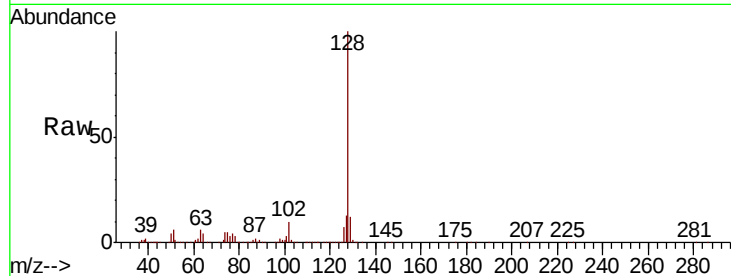
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:128 Resp: 1100450

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.0	15.0
129	11.6	8.6	13.0

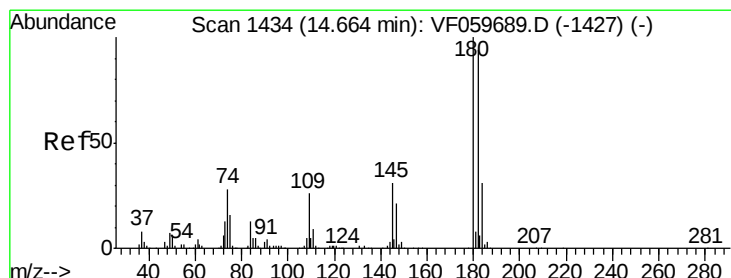
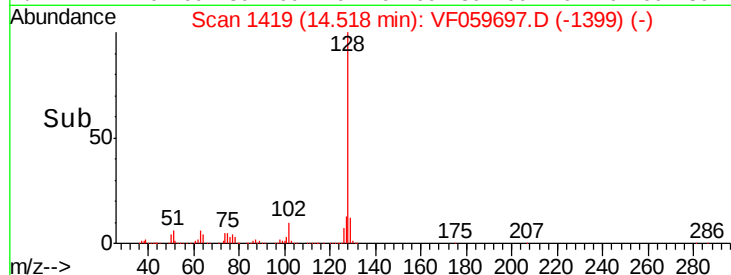
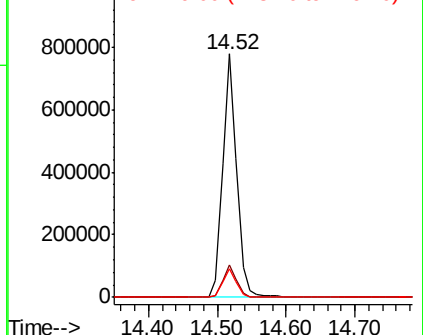


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 139.944 ug/l

RT: 14.67 min Scan# 1434

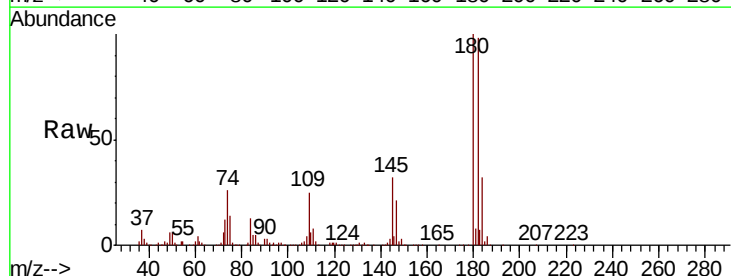
Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Tgt Ion:180 Resp: 553404

Ion	Ratio	Lower	Upper
180	100		
182	98.5	47.2	141.6
145	32.2	15.6	46.7



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

