

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031819\
 Data File : VF062008.D
 Acq On : 18 Mar 2019 20:50
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 19 01:25:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	262388	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	399477	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	355611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	178231	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	98654	52.23	ug/l	0.00
Spiked Amount						
			Recovery	=	104.46%	
35) Dibromofluoromethane	4.09	113	138361	51.58	ug/l	-0.02
Spiked Amount						
			Recovery	=	103.16%	
50) Toluene-d8	7.53	98	388498	49.54	ug/l	-0.02
Spiked Amount						
			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	11.40	95	157340	50.51	ug/l	0.00
Spiked Amount						
			Recovery	=	101.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	122584	43.825	ug/l	98
3) Chloromethane	1.10	50	120092	42.248	ug/l #	87
4) Vinyl Chloride	1.14	62	125311	45.581	ug/l	97
5) Bromomethane	1.33	94	93767	48.552	ug/l	100
6) Chloroethane	1.38	64	61669	43.453	ug/l	97
7) Trichlorofluoromethane	1.47	101	114113	31.331	ug/l	95
8) Diethyl Ether	1.62	74	35743	44.145	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.84	101	111920	43.615	ug/l	95
10) Methyl Iodide	1.90	142	159133	35.431	ug/l	94
11) Tert butyl alcohol	2.55	59	25259	218.550	ug/l #	93
12) 1,1-Dichloroethene	1.79	96	105118	47.467	ug/l	90
13) Acrolein	1.99	56	32769	262.641	ug/l	88
14) Allyl chloride	2.09	41	111745	39.530	ug/l	94
15) Acrylonitrile	2.93	53	80587	229.292	ug/l	91
16) Acetone	2.23	43	80341	189.425	ug/l	98
17) Carbon Disulfide	1.82	76	199378	31.130	ug/l #	95
18) Methyl Acetate	2.42	43	39660	45.707	ug/l	94
19) Methyl tert-butyl Ether	2.43	73	167238	41.676	ug/l	98
20) Methylene Chloride	2.17	84	36423	16.680	ug/l	94
21) trans-1,2-Dichloroethene	2.30	96	100398	43.443	ug/l	96
22) Diisopropyl ether	2.79	45	308982	45.441	ug/l	96
23) Vinyl Acetate	3.18	43	648868	242.073	ug/l	99
24) 1,1-Dichloroethane	2.86	63	173603	43.909	ug/l	97
25) 2-Butanone	4.32	43	179218	213.360	ug/l	91
26) 2,2-Dichloropropane	3.58	77	74543	39.972	ug/l	92
27) cis-1,2-Dichloroethene	3.46	96	138277	47.471	ug/l	96
28) Bromochloromethane	3.71	49	80960	49.350	ug/l	83
29) Tetrahydrofuran	4.05	42	77726	212.772	ug/l	99
30) Chloroform	3.85	83	202954	45.306	ug/l	98
31) Cyclohexane	3.68	56	112790	29.118	ug/l	99
32) 1,1,1-Trichloroethane	4.07	97	118897	39.966	ug/l	96
36) 1,1-Dichloropropene	4.26	75	166895	46.264	ug/l	95
37) Ethyl Acetate	4.09	43	70698	43.646	ug/l	96
38) Carbon Tetrachloride	3.97	117	119902	45.478	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	188362	44.477	ug/l	93
40) Benzene	4.62	78	434376	45.442	ug/l	99
41) Methacrylonitrile	4.73	41	37786	43.662	ug/l	94
42) 1,2-Dichloroethane	4.92	62	109412	45.980	ug/l	98
43) Isopropyl Acetate	6.94	43	80285	41.892	ug/l #	99
44) Trichloroethene	5.48	130	134994	46.101	ug/l	98
45) 1,2-Dichloropropane	6.21	63	101810	45.005	ug/l	94
46) Dibromomethane	6.07	93	66309	49.273	ug/l	98
47) Bromodichloromethane	6.37	83	148015	46.653	ug/l #	96
48) Methyl methacrylate	6.70	41	53785	43.424	ug/l #	88
49) 1,4-Dioxane	6.69	88	10851	984.898	ug/l #	73
51) 4-Methyl-2-Pentanone	8.24	43	305737	224.656	ug/l	97
52) Toluene	7.60	92	251994	43.146	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	121382	45.317	ug/l	100
54) cis-1,3-Dichloropropene	7.28	75	161268	46.143	ug/l	96
55) 1,1,2-Trichloroethane	8.47	97	78659	48.255	ug/l	95
56) Ethyl methacrylate	8.60	69	89399	48.245	ug/l	100
57) 1,3-Dichloropropane	8.84	76	125504	46.155	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.28	63	74468	221.874	ug/l	96
59) 2-Hexanone	9.48	43	207448	210.629	ug/l	98
60) Dibromochloromethane	8.70	129	107260	47.398	ug/l	94
61) 1,2-Dibromoethane	8.96	107	82267	47.050	ug/l	94
64) Tetrachloroethene	8.14	164	120500	46.617	ug/l	96
65) Chlorobenzene	9.78	112	301394	45.522	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.91	131	121089	47.183	ug/l	98
67) Ethyl Benzene	9.88	91	472777	41.705	ug/l	98
68) m/p-Xylenes	10.12	106	353406	82.887	ug/l	98
69) o-Xylene	10.70	106	198621	43.536	ug/l	98
70) Styrene	10.77	104	253665	40.133	ug/l	99
71) Bromoform	10.76	173	58664	45.192	ug/l	94
73) Isopropylbenzene	11.11	105	556798	45.219	ug/l	100
74) N-amyl acetate	11.36	43	140160	49.677	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.69	83	96307	47.385	ug/l	92
76) 1,2,3-Trichloropropane	11.78	75	67186	47.274	ug/l	100
77) Bromobenzene	11.48	156	130886	45.900	ug/l	84
78) n-propylbenzene	11.58	91	650055	45.913	ug/l	98
79) 2-Chlorotoluene	11.71	91	362700	45.384	ug/l	98
80) 1,3,5-Trimethylbenzene	11.81	105	443539	44.593	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.85	75	39306	62.517	ug/l	94
82) 4-Chlorotoluene	11.88	91	377827	46.751	ug/l	95
83) tert-Butylbenzene	12.12	119	506688	48.710	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	458447	46.016	ug/l	93
85) sec-Butylbenzene	12.30	105	661547	47.071	ug/l	98
86) p-Isopropyltoluene	12.45	119	539521	46.005	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	252173	44.996	ug/l	97
88) 1,4-Dichlorobenzene	12.55	146	249980	46.342	ug/l	96
89) n-Butylbenzene	12.83	91	509409	46.227	ug/l	98
90) Hexachloroethane	12.91	117	133969	50.057	ug/l	83
91) 1,2-Dichlorobenzene	12.93	146	247578	47.696	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	15499	47.521	ug/l	74

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Quant Title : SW846 8260
QLast Update : Mon Mar 18 07:28:40 2019
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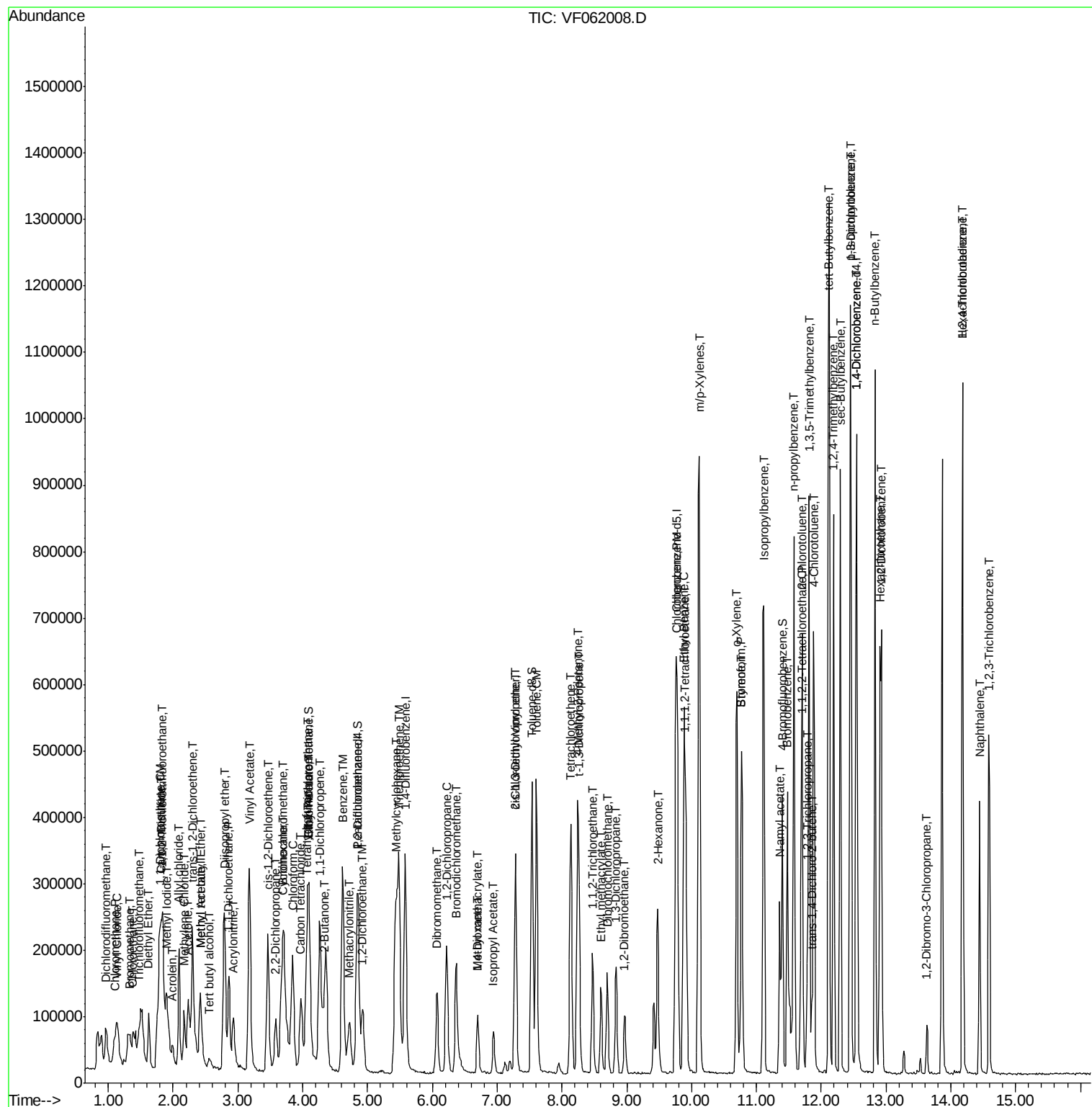
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	165339	45.741	ug/l	95
94) Hexachlorobutadiene	14.18	225	113345	47.234	ug/l	99
95) Naphthalene	14.45	128	318623	49.011	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	158656	47.709	ug/l	98

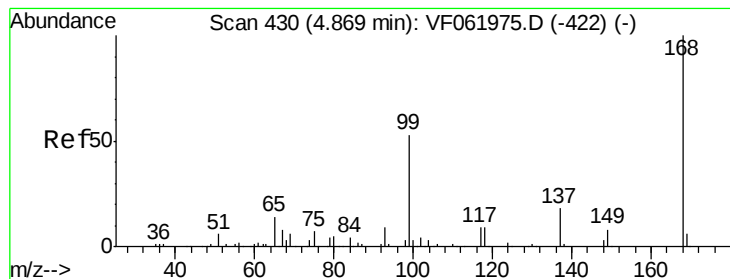
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

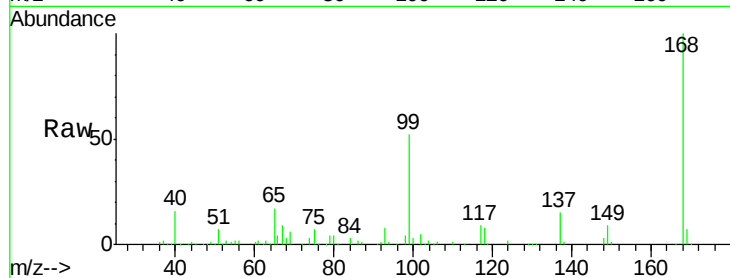
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 262388

Ion Ratio Lower Upper

168 100

99 51.9 42.4 63.6

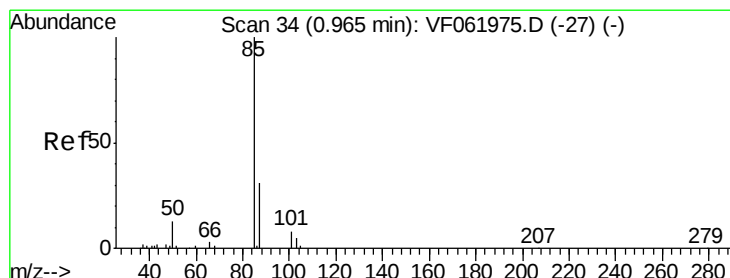
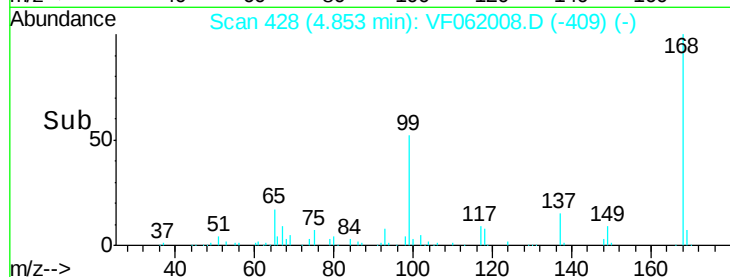


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

Time-->



#2

Dichlorodifluoromethane

Concen: 43.825 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF062008.D

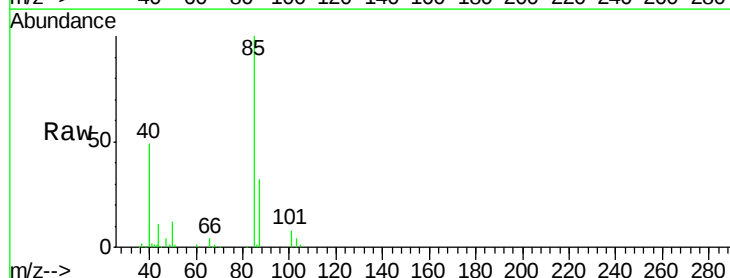
Acq: 18 Mar 2019 20:50

Tgt Ion: 85 Resp: 122584

Ion Ratio Lower Upper

85 100

87 32.0 15.4 46.2

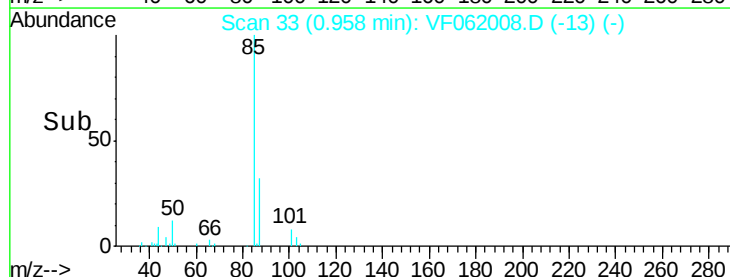


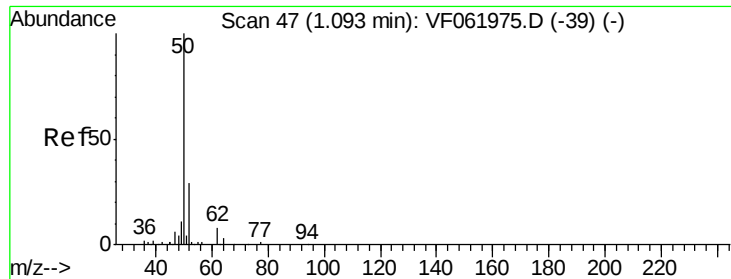
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

Time-->





#3

Chloromethane

Concen: 42.248 ug/l

RT: 1.10 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

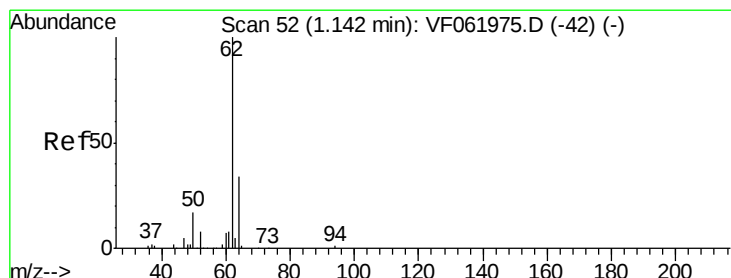
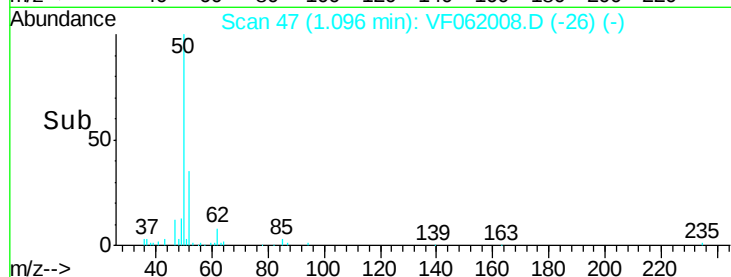
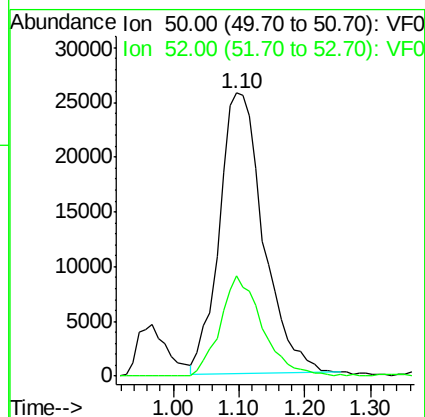
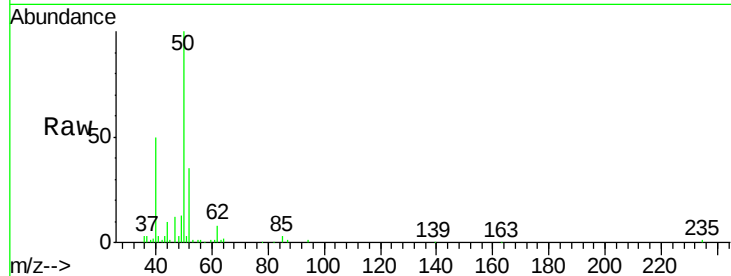
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 120092

Ion Ratio Lower Upper

50 100

52 35.3 22.6 34.0#



#4

Vinyl Chloride

Concen: 45.581 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF062008.D

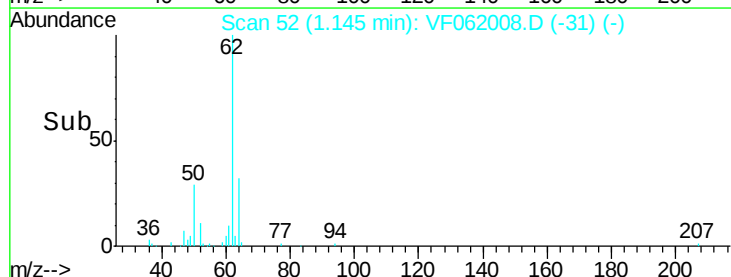
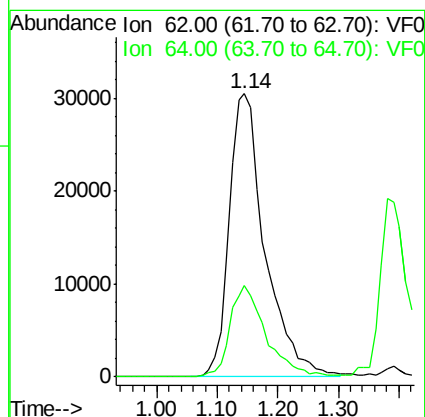
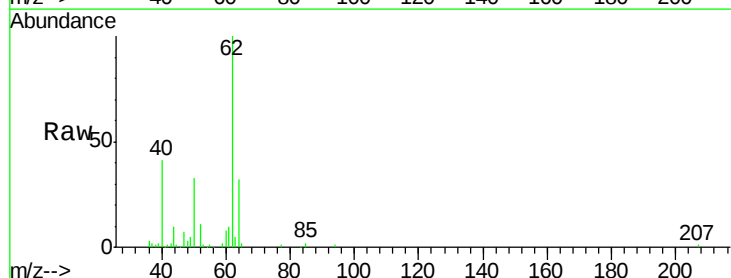
Acq: 18 Mar 2019 20:50

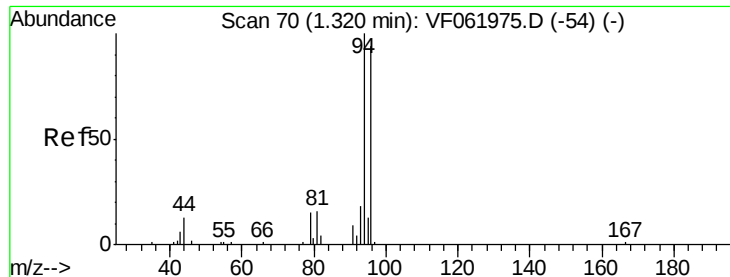
Tgt Ion: 62 Resp: 125311

Ion Ratio Lower Upper

62 100

64 32.4 27.4 41.2





#5

Bromomethane

Concen: 48.552 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

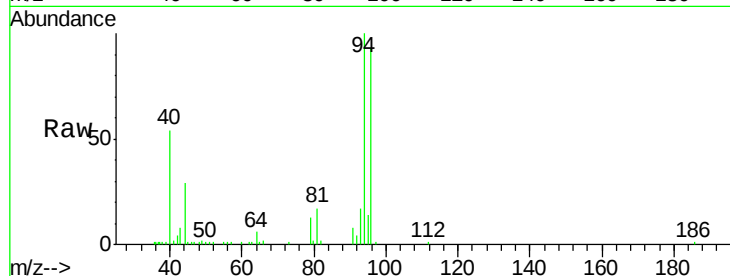
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 93767

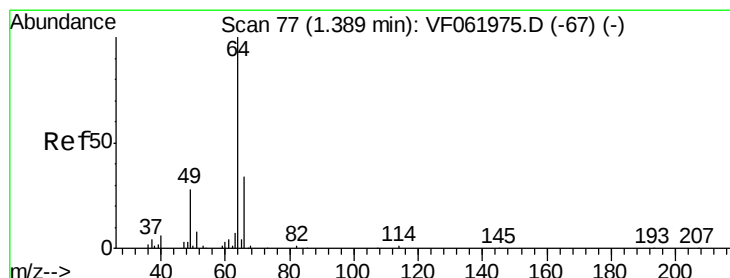
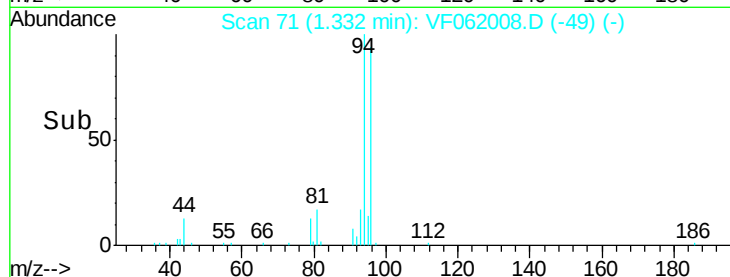
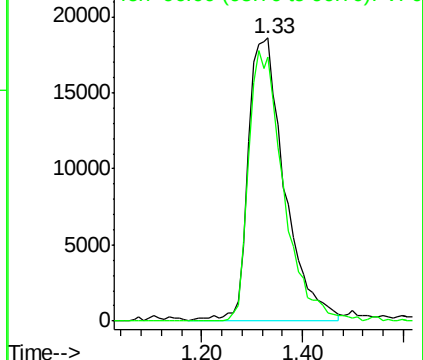
Ion Ratio Lower Upper

94 100

96 93.4 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VF0
Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 43.453 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF062008.D

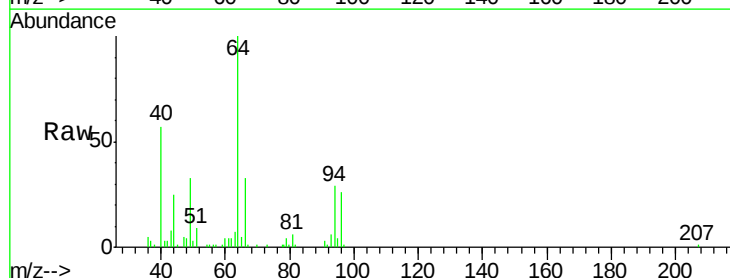
Acq: 18 Mar 2019 20:50

Tgt Ion: 64 Resp: 61669

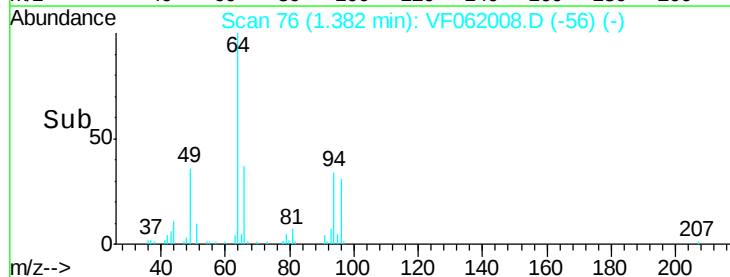
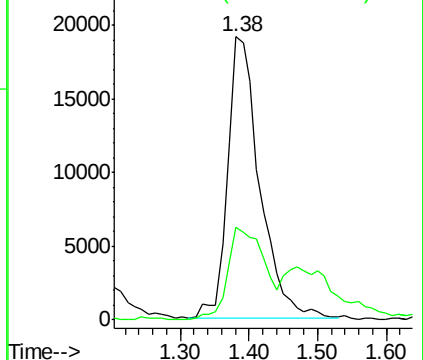
Ion Ratio Lower Upper

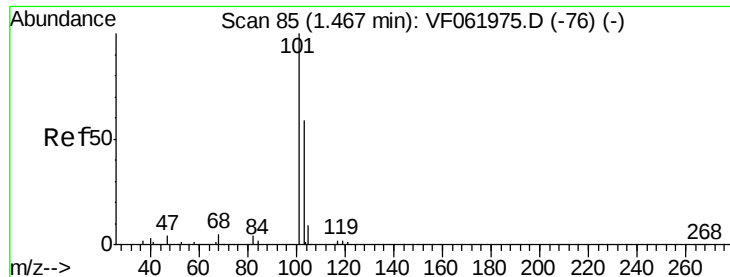
64 100

66 32.8 27.6 41.4



Abundance Ion 64.00 (63.70 to 64.70): VF0
Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 31.331 ug/l

RT: 1.47 min Scan# 85

Delta R.T. 0.00 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

Instrument :

MSVOA_F

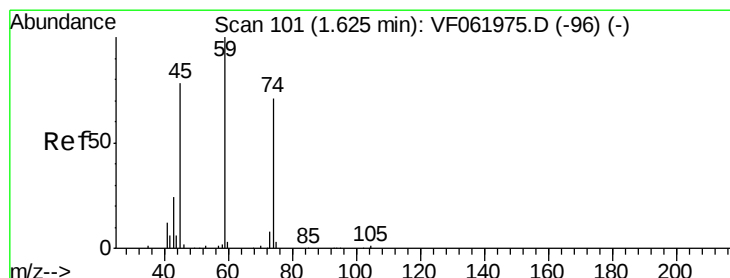
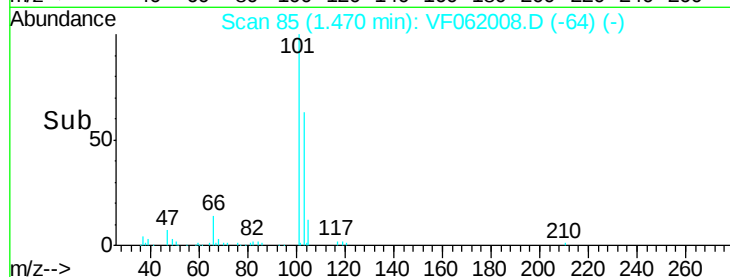
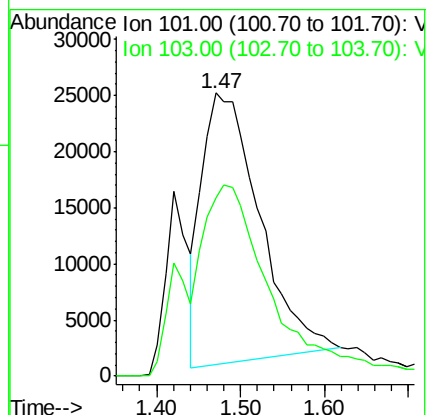
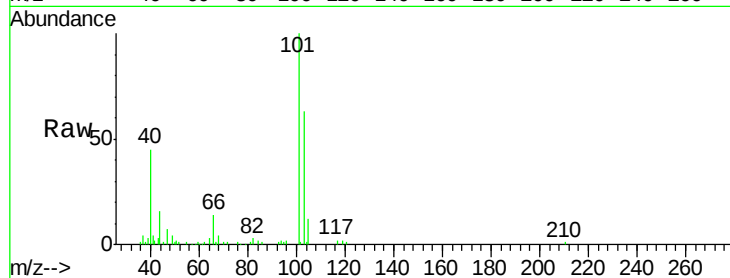
ClientSampleId :

Tot Ion:101 Resp: 114113

Ion Ratio Lower Upper

101 100

103 63.1 47.3 70.9



#8

Diethyl Ether

Concen: 44.145 ug/l

RT: 1.62 min Scan# 100

Delta R.T. -0.01 min

Lab File: VF062008.D

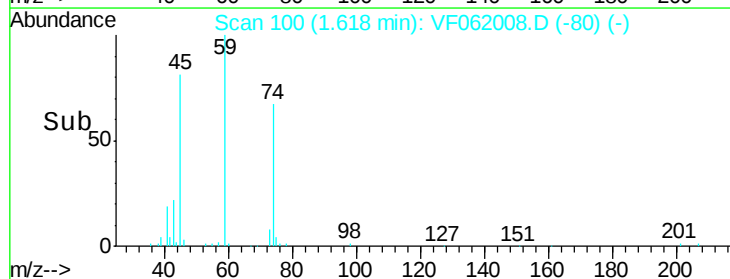
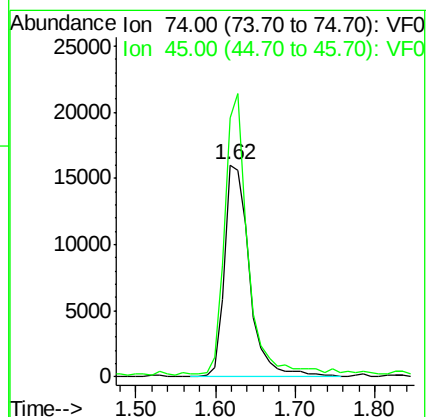
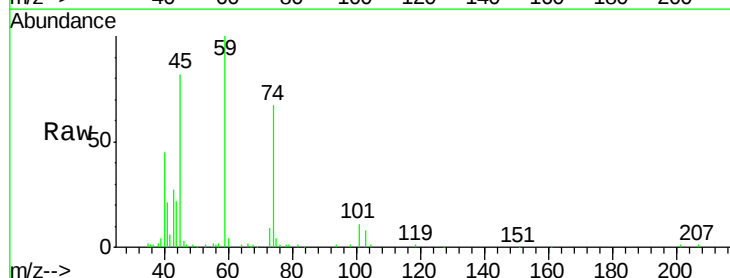
Acq: 18 Mar 2019 20:50

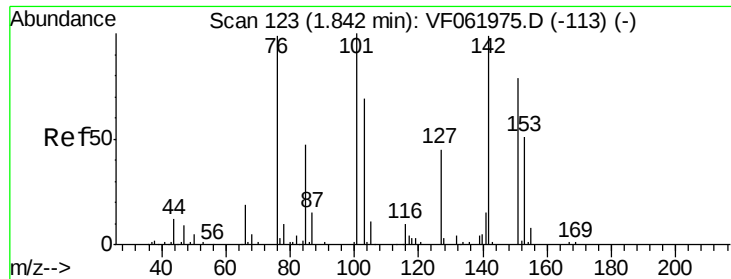
Tgt Ion: 74 Resp: 35743

Ion Ratio Lower Upper

74 100

45 122.3 56.3 168.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.615 ug/l

RT: 1.84 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

Instrument :
MSVOA_F
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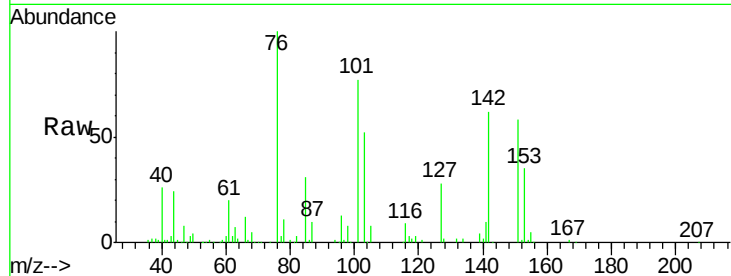
Tot Ion:101 Resp: 111920

Ion Ratio Lower Upper

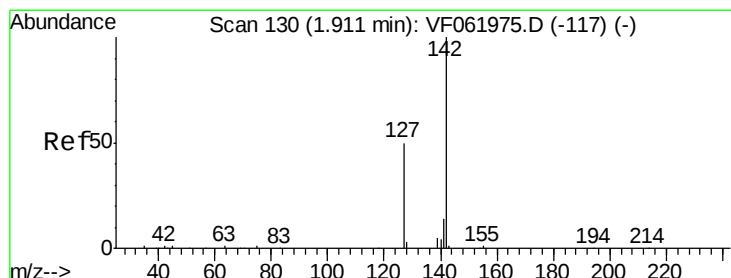
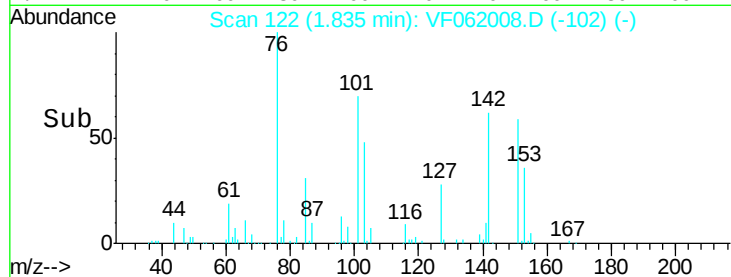
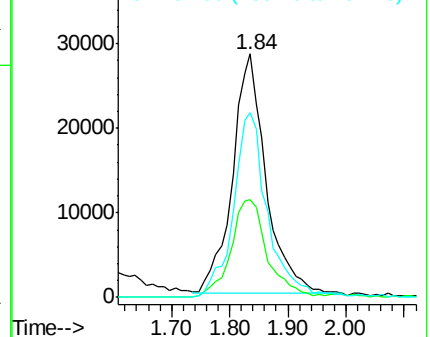
101 100

85 39.9 36.8 55.2

151 76.1 62.2 93.2



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: 35.431 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

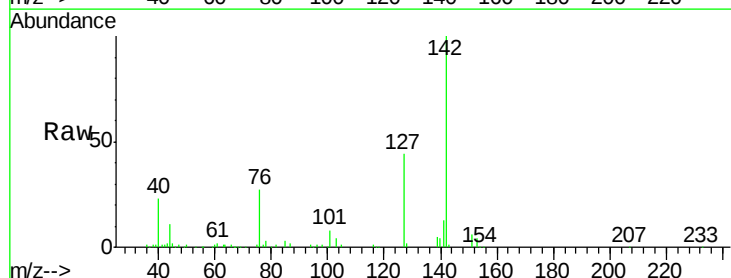
Tgt Ion:142 Resp: 159133

Ion Ratio Lower Upper

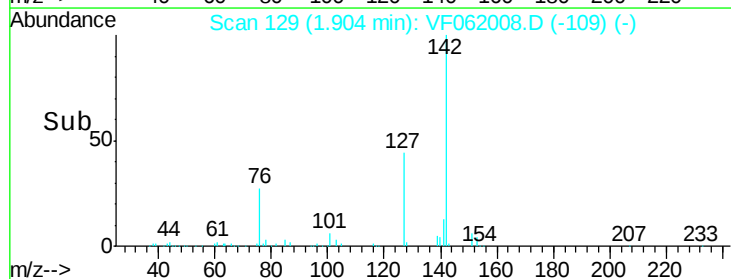
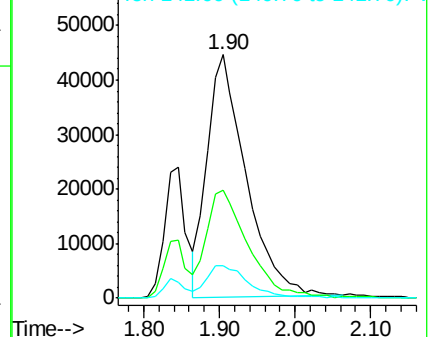
142 100

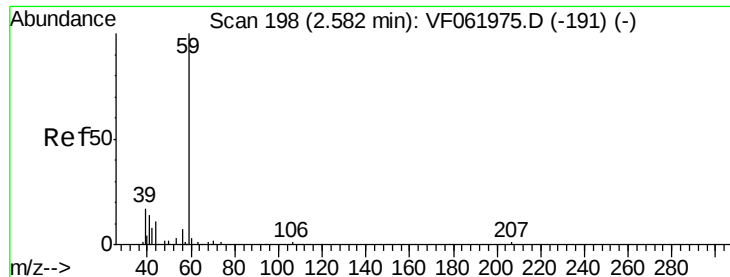
127 44.3 39.7 59.5

141 13.4 10.8 16.2



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



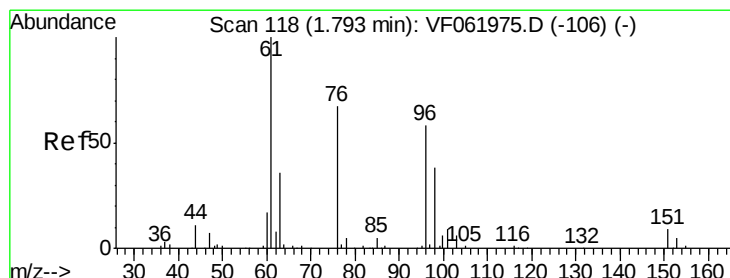
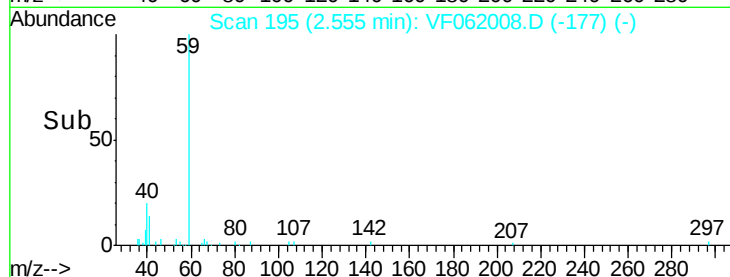
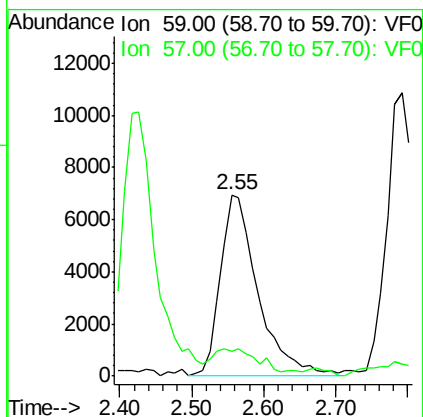
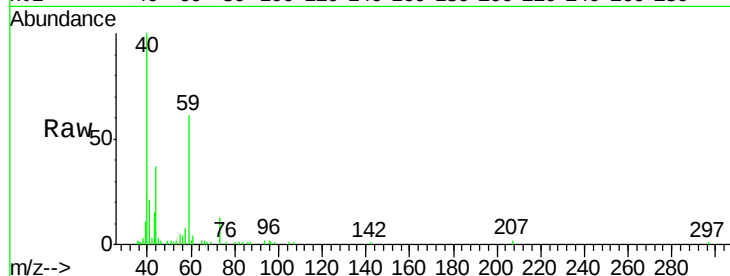


#11

Tert butyl alcohol
Concen: 218.550 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.03 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

Instrument :
MSVOA_F
ClientSampleId :

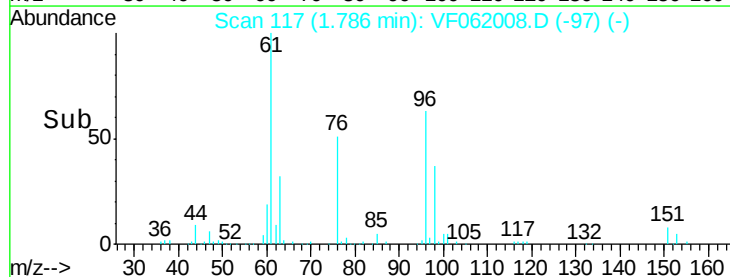
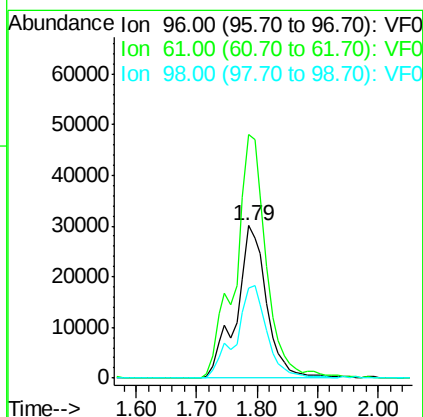
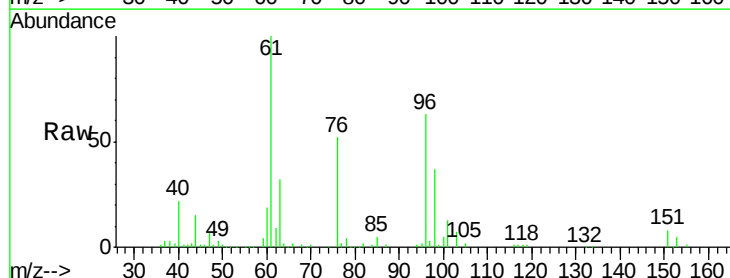
Tot Ion: 59 Resp: 25259
Ion Ratio Lower Upper
59 100
57 13.4 8.7 13.1#

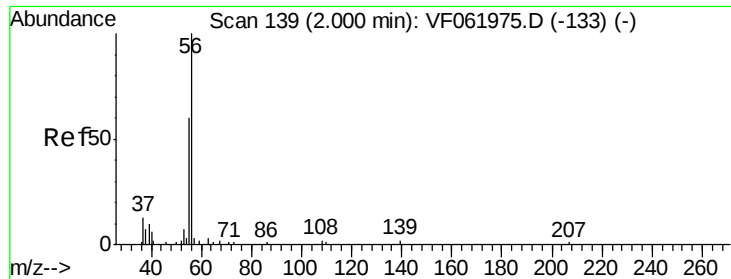


#12

1,1-Dichloroethene
Concen: 47.467 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

Tgt Ion: 96 Resp: 105118
Ion Ratio Lower Upper
96 100
61 159.7 138.6 208.0
98 58.8 53.2 79.8

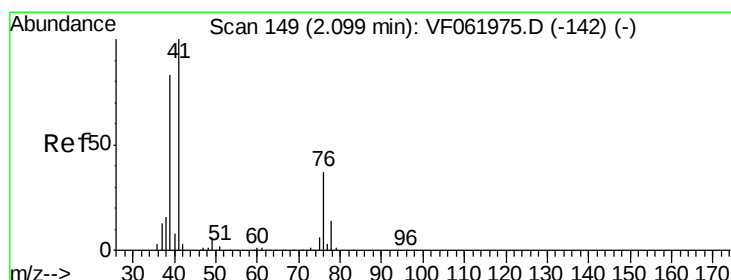
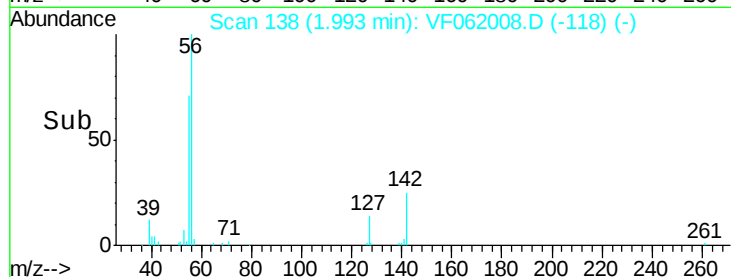
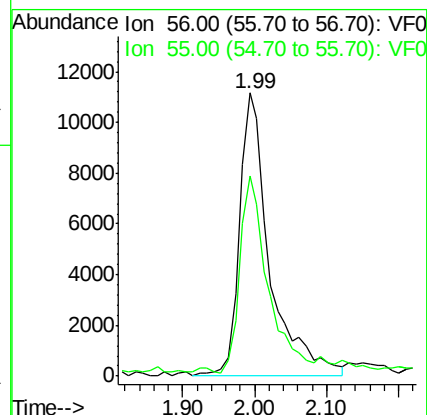
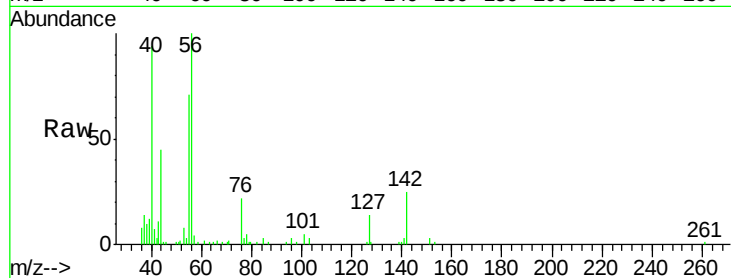




#13
Acrolein
Concen: 262.641 ug/l
RT: 1.99 min Scan# 138
Delta R.T. -0.01 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

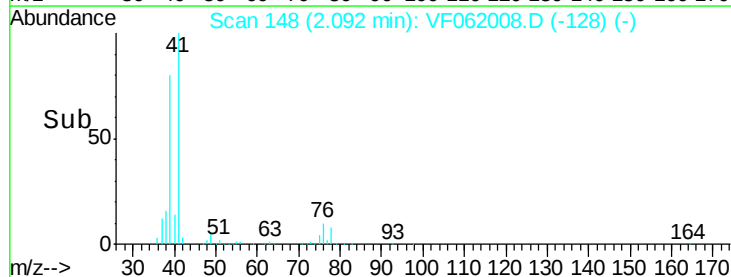
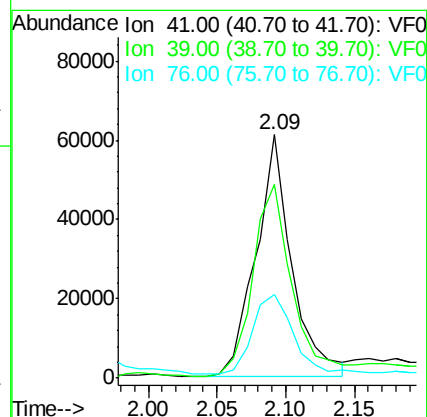
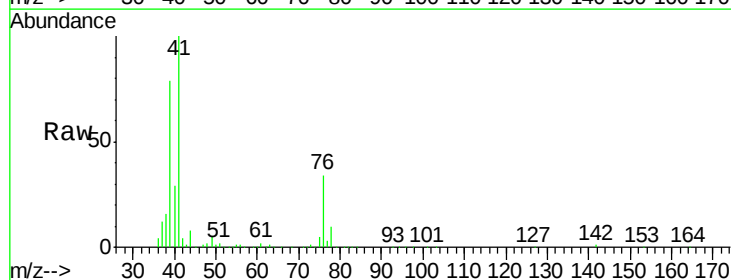
Instrument :
MSVOA_F
ClientSampleId :

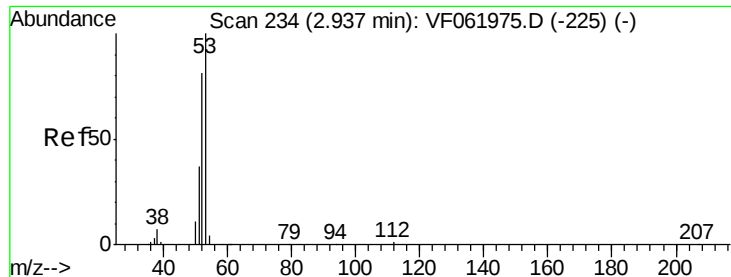
Tot Ion: 56 Resp: 32769
Ion Ratio Lower Upper
56 100
55 70.7 49.1 73.7



#14
Allyl chloride
Concen: 39.530 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.01 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

Tgt Ion: 41 Resp: 111745
Ion Ratio Lower Upper
41 100
39 79.3 66.8 100.2
76 34.2 31.1 46.7





#15

Acrylonitrile

Concen: 229.292 ug/l

RT: 2.93 min Scan# 233

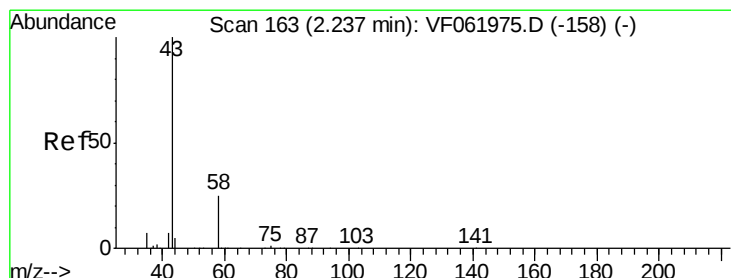
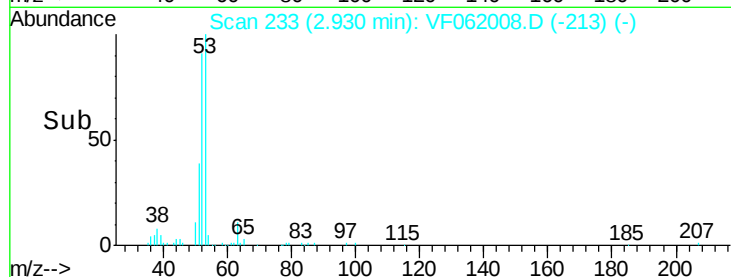
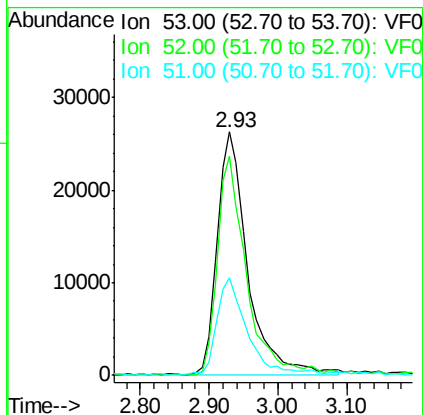
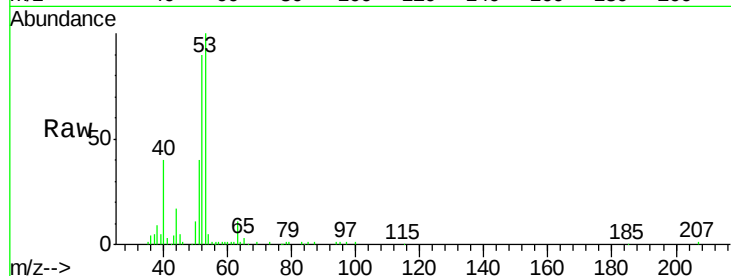
Delta R.T. -0.01 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	80587
Ion	Ratio	Lower	Upper
53	100		
52	90.2	64.4	96.6
51	39.9	30.3	45.5



#16

Acetone

Concen: 189.425 ug/l

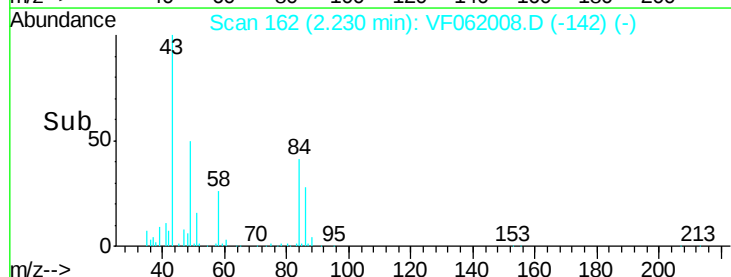
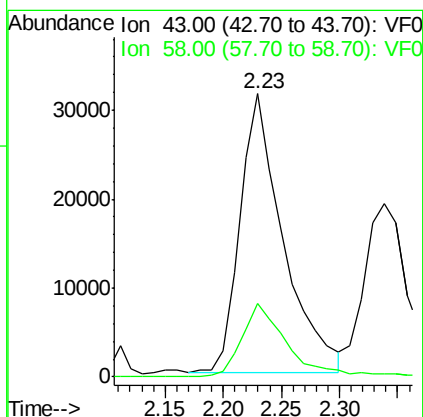
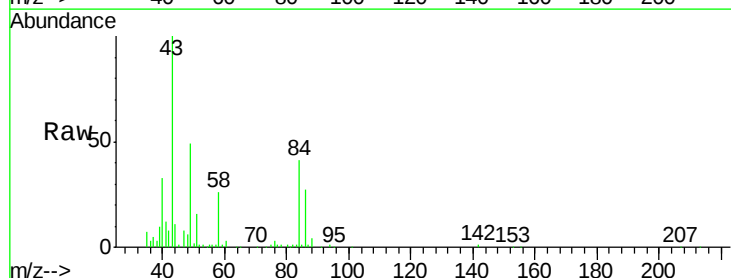
RT: 2.23 min Scan# 162

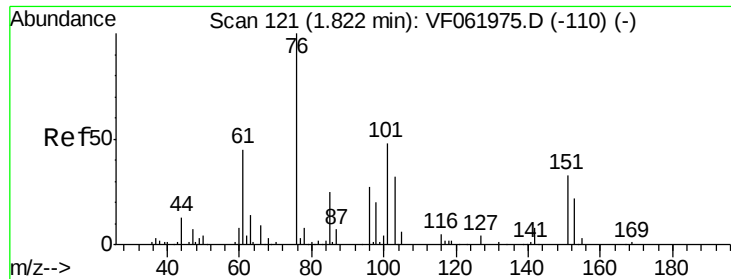
Delta R.T. -0.01 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

Tgt Ion:	43	Resp:	80341
Ion	Ratio	Lower	Upper
43	100		
58	26.0	19.9	29.9

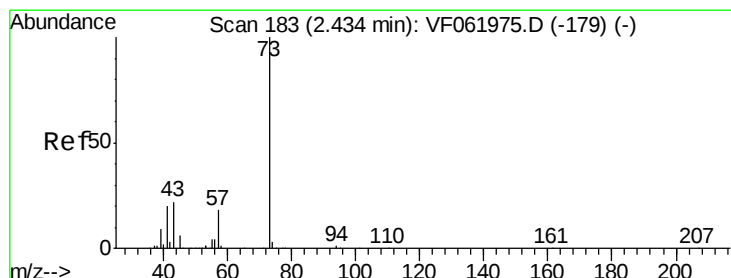
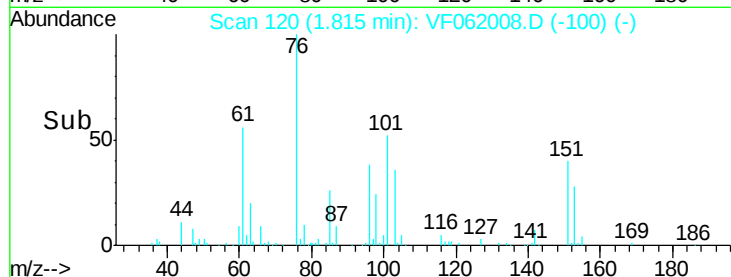
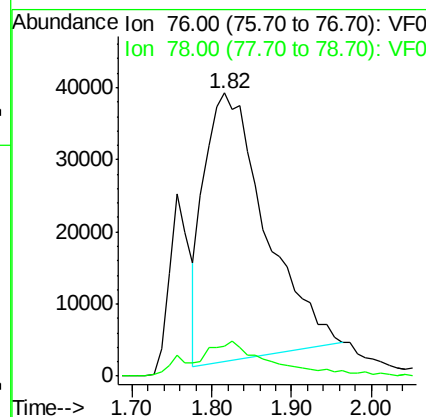
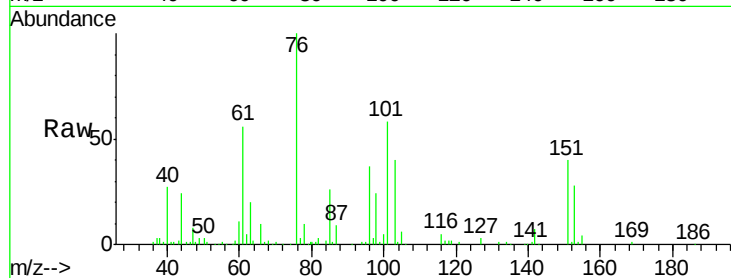




#17
Carbon Disulfide
Concen: 31.130 ug/l
RT: 1.82 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

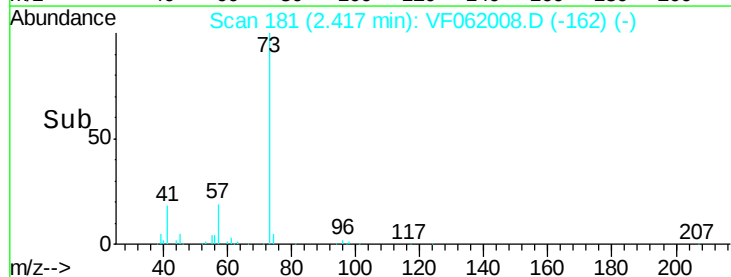
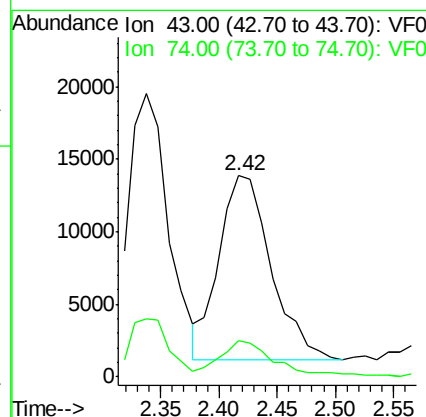
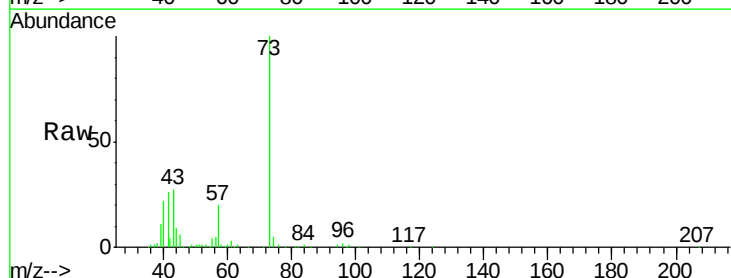
Instrument :
MSVOA_F
ClientSampleId :

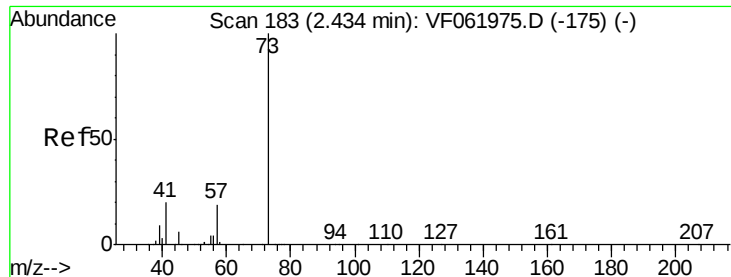
Tot Ion: 76 Resp: 199378
Ion Ratio Lower Upper
76 100
78 10.4 6.8 10.2#



#18
Methyl Acetate
Concen: 45.707 ug/l
RT: 2.42 min Scan# 181
Delta R.T. -0.02 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

Tgt Ion: 43 Resp: 39660
Ion Ratio Lower Upper
43 100
74 18.0 12.6 18.8

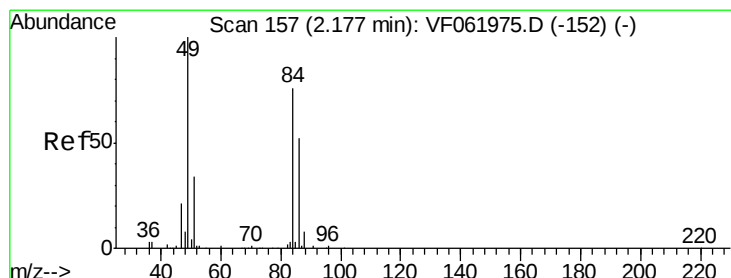
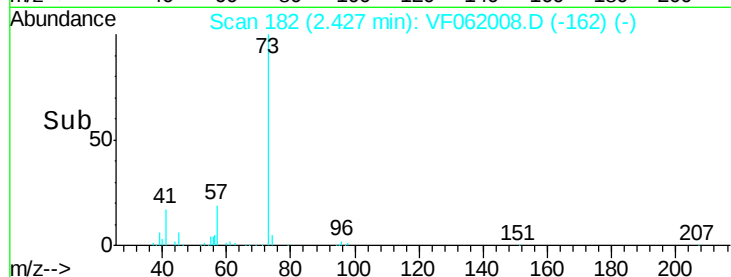
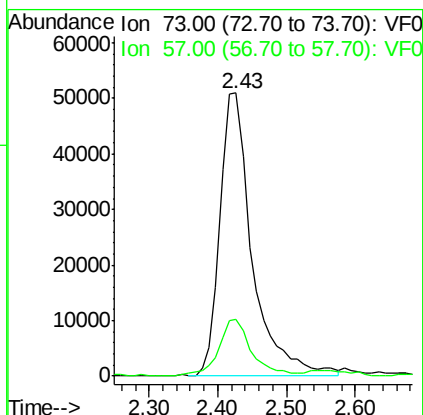
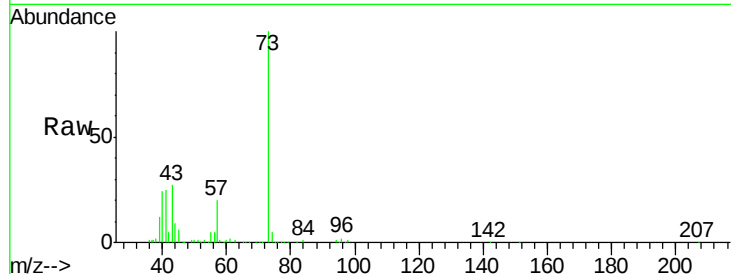




#19
Methyl tert-butyl Ether
Concen: 41.676 ug/l
RT: 2.43 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

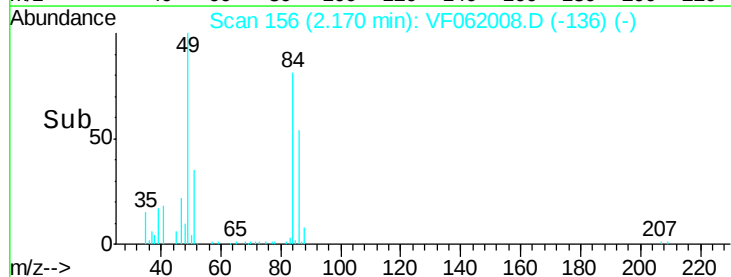
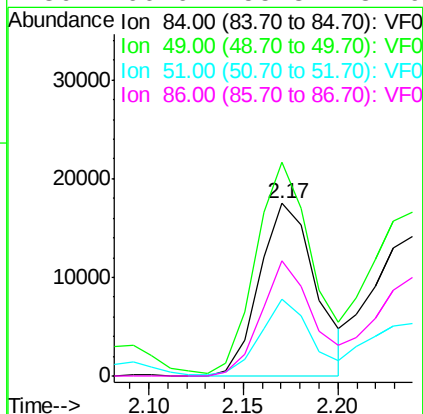
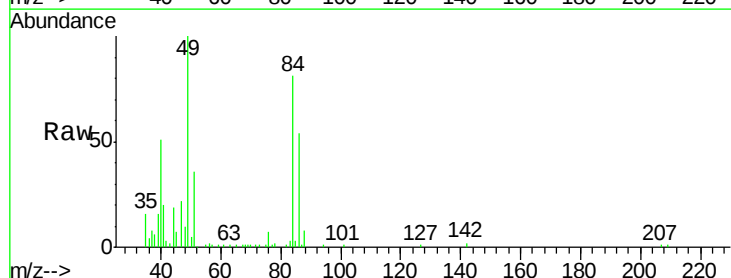
Instrument :
MSVOA_F
ClientSampled :

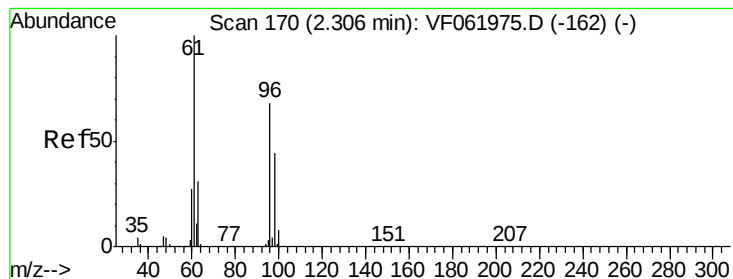
Tot Ion: 73 Resp: 167238
Ion Ratio Lower Upper
73 100
57 19.9 15.3 22.9



#20
Methylene Chloride
Concen: 16.680 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

Tgt Ion: 84 Resp: 36423
Ion Ratio Lower Upper
84 100
49 123.9 107.0 160.6
51 44.7 37.2 55.8
86 66.6 55.3 82.9





#21

trans-1,2-Dichloroethene

Concen: 43.443 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

Instrument :

MSVOA_F

ClientSampleId :

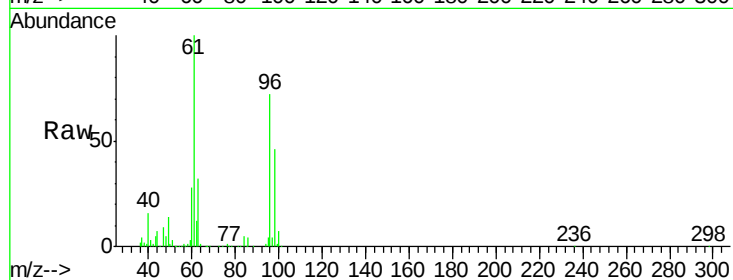
Tot Ion: 96 Resp: 100398

Ion Ratio Lower Upper

96 100

61 139.3 117.4 176.2

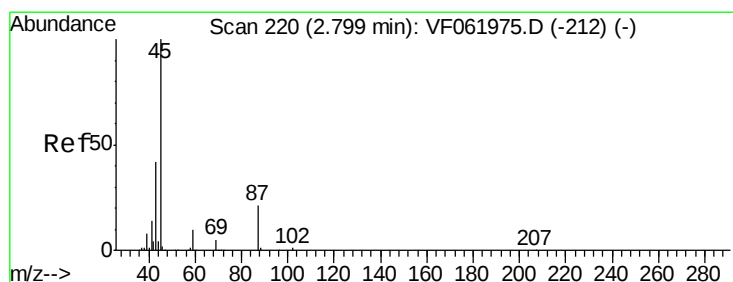
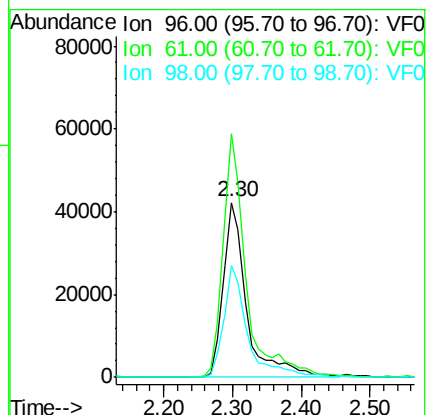
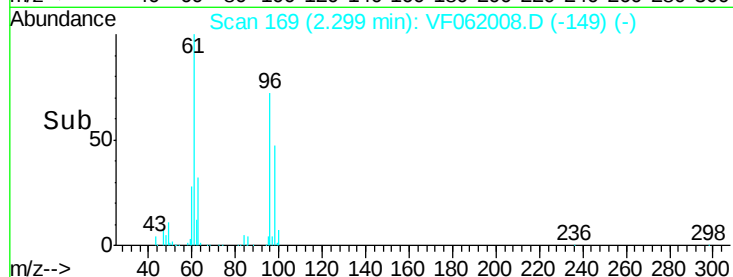
98 64.2 51.2 76.8



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 45.441 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

Tgt Ion: 45 Resp: 308982

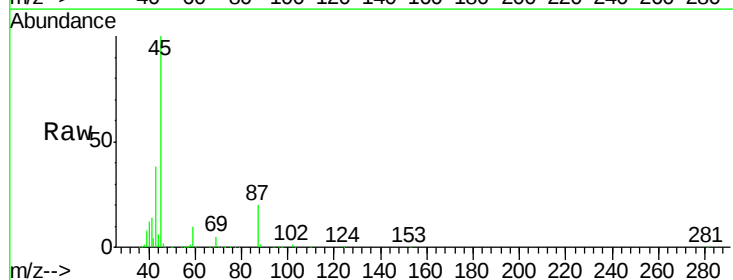
Ion Ratio Lower Upper

45 100

43 38.3 33.7 50.5

87 20.3 17.1 25.7

59 9.7 8.0 12.0

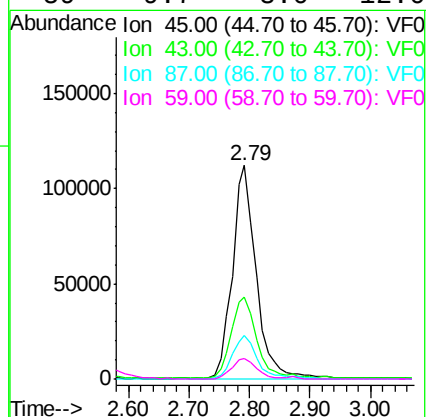
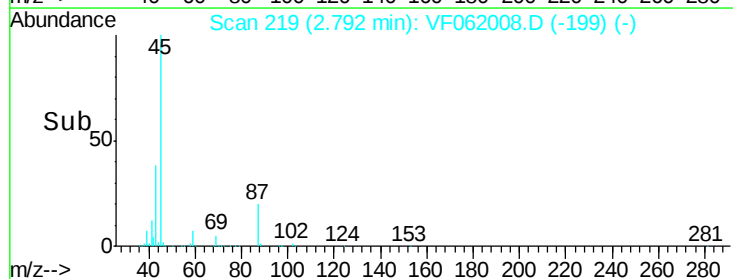


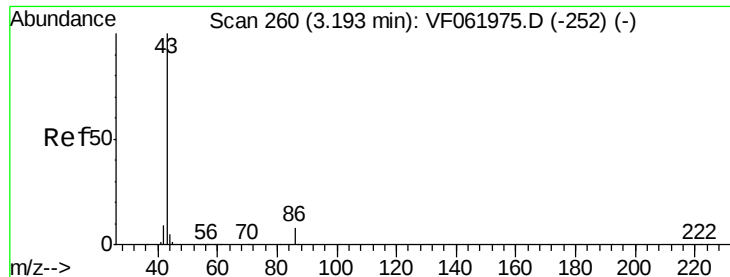
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0

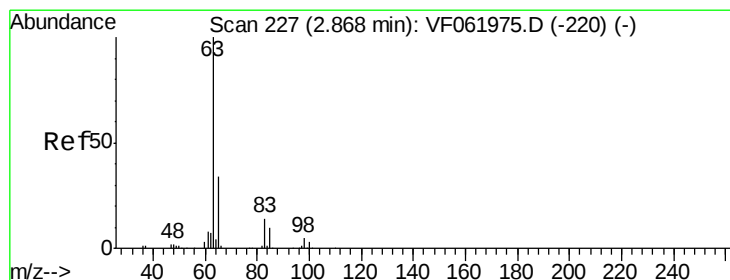
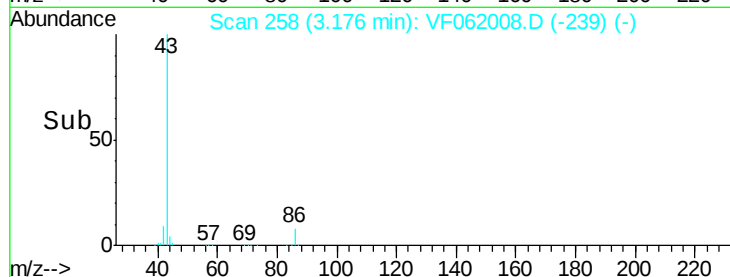
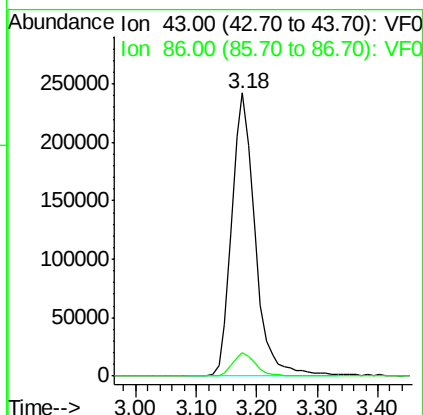
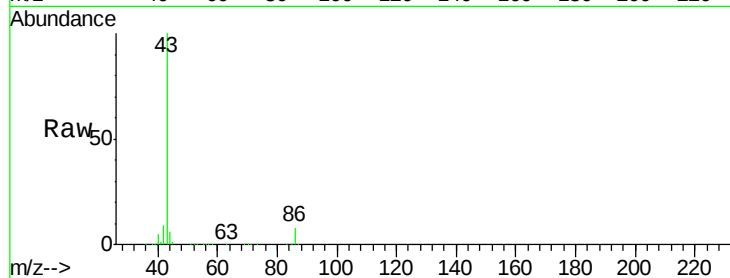




#23
 Vinyl Acetate
 Concen: 242.073 ug/l
 RT: 3.18 min Scan# 258
 Delta R.T. -0.02 min
 Lab File: VF062008.D
 Acq: 18 Mar 2019 20:50

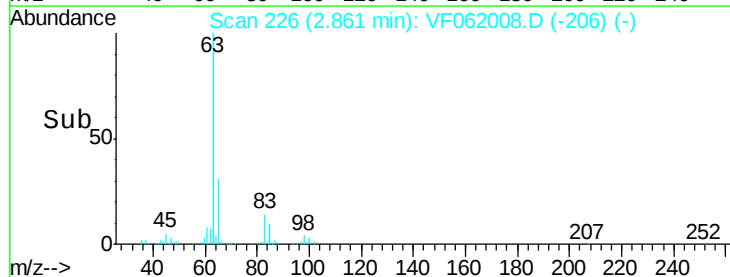
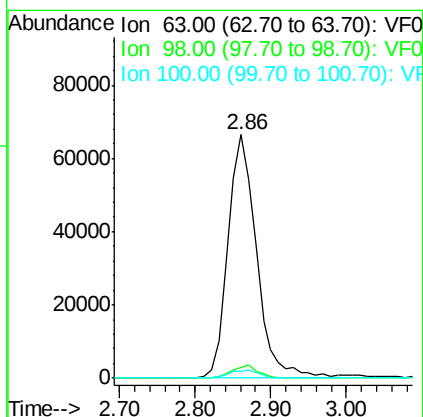
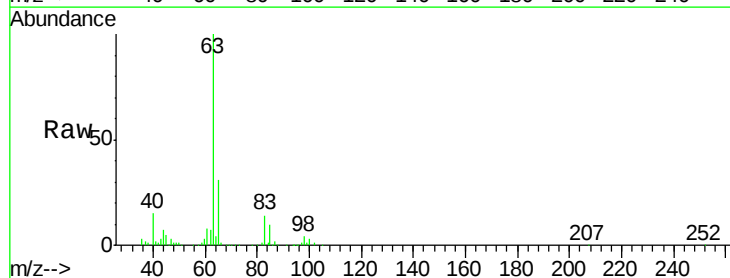
Instrument :
 MSVOA_F
 ClientSampleId :

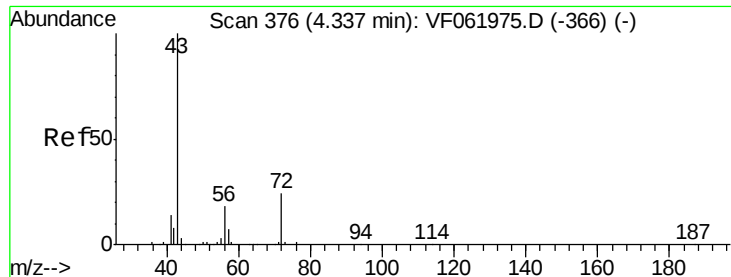
Tot Ion: 43 Resp: 648868
 Ion Ratio Lower Upper
 43 100
 86 8.4 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 43.909 ug/l
 RT: 2.86 min Scan# 226
 Delta R.T. -0.01 min
 Lab File: VF062008.D
 Acq: 18 Mar 2019 20:50

Tgt Ion: 63 Resp: 173603
 Ion Ratio Lower Upper
 63 100
 98 4.3 2.7 8.1
 100 2.7 1.7 5.0





#25

2-Butanone

Concen: 213.360 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

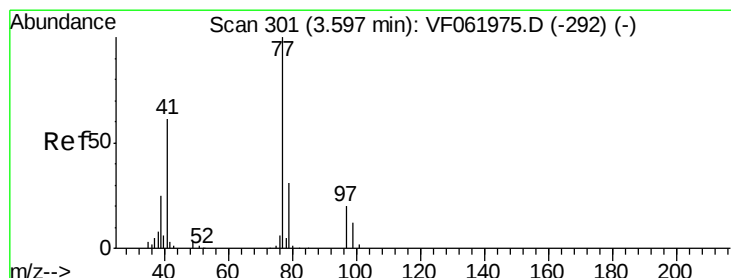
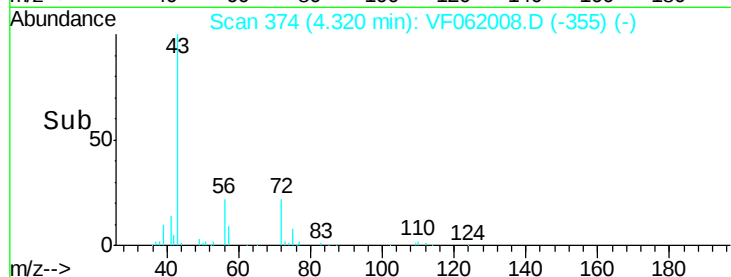
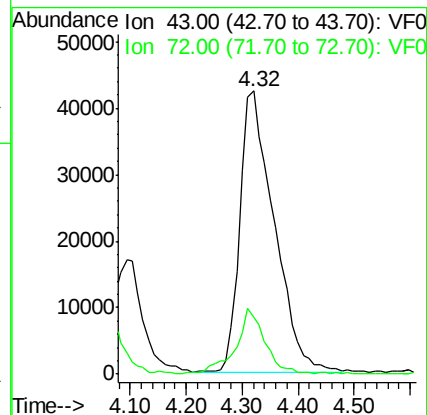
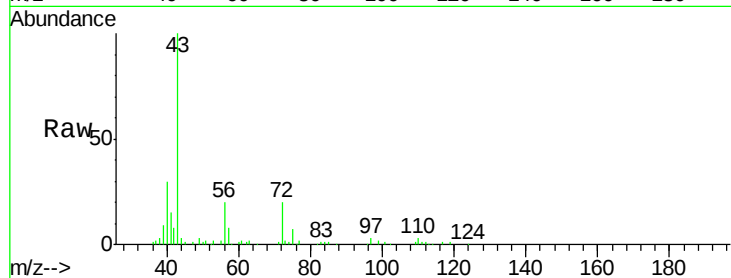
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 179218

Ion Ratio Lower Upper

43 100

72 20.0 19.8 29.6



#26

2,2-Dichloropropane

Concen: 39.972 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.02 min

Lab File: VF062008.D

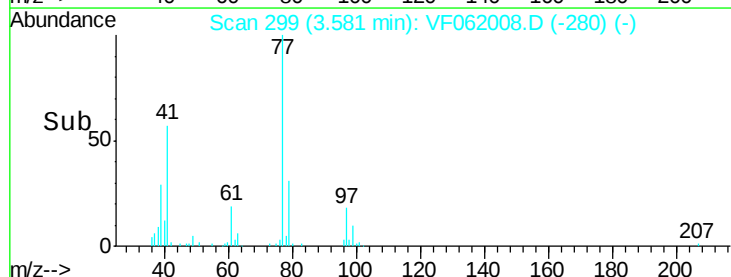
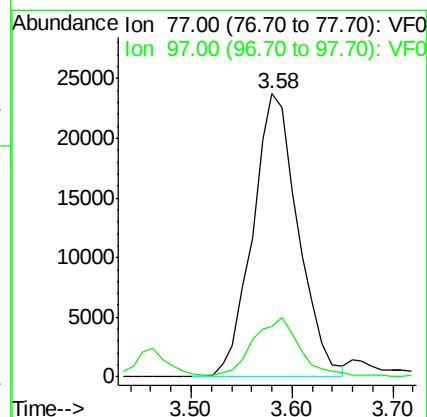
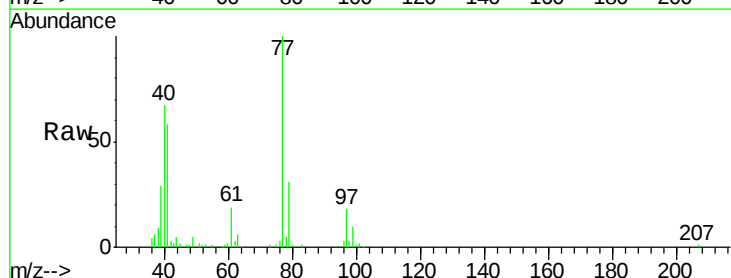
Acq: 18 Mar 2019 20:50

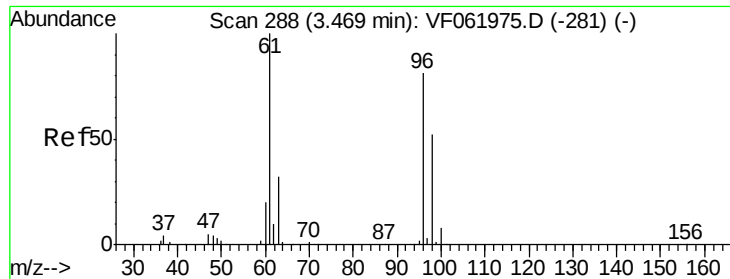
Tgt Ion: 77 Resp: 74543

Ion Ratio Lower Upper

77 100

97 18.0 10.8 32.4



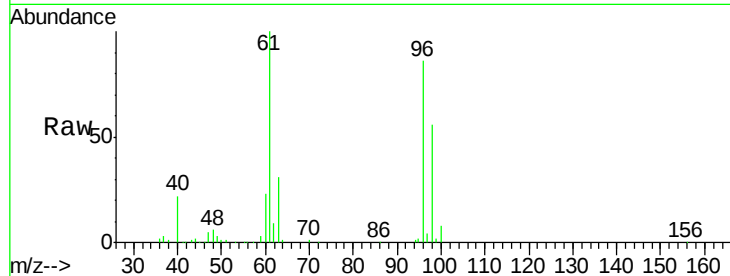


#27

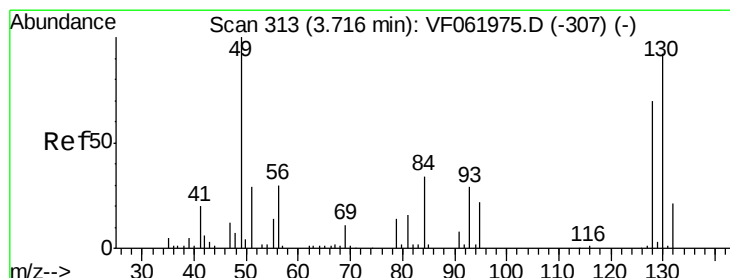
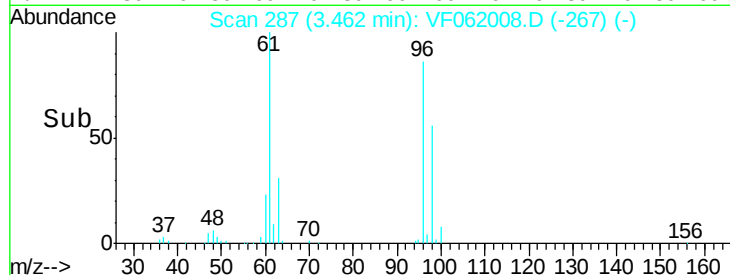
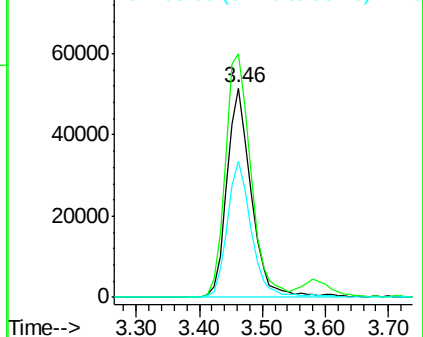
cis-1,2-Dichloroethene
Concen: 47.471 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.01 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	96	Resp	138277
Ion	Ratio	Lower	Upper
96	100		
61	116.1	0.0	246.6
98	64.8	0.0	129.2



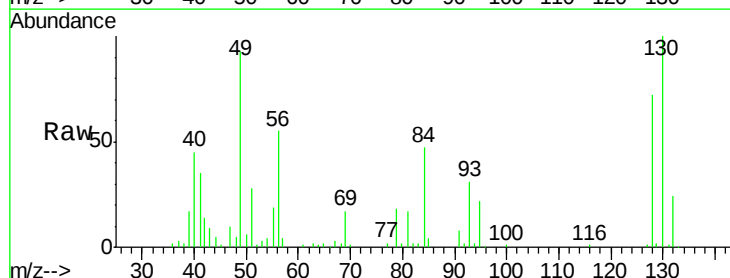
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



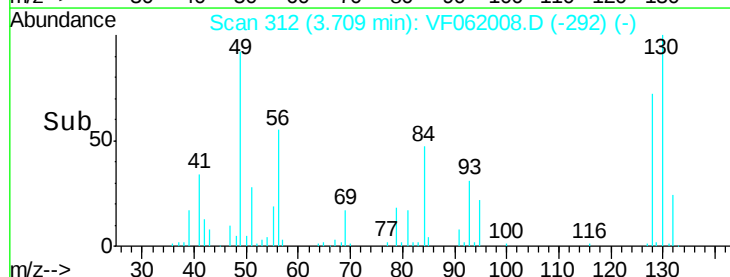
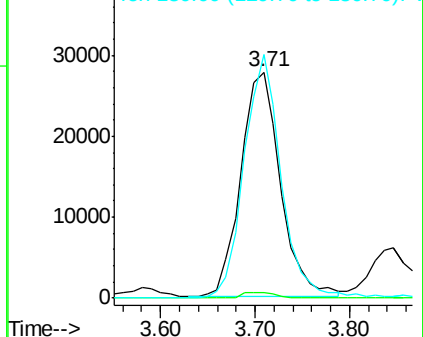
#28

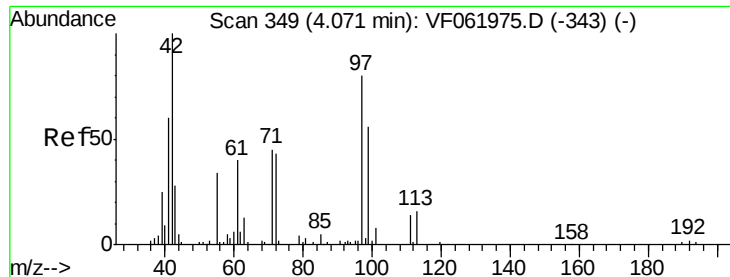
Bromochloromethane
Concen: 49.350 ug/l
RT: 3.71 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

Tgt Ion	49	Resp	80960
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.8
130	107.6	73.1	109.7



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

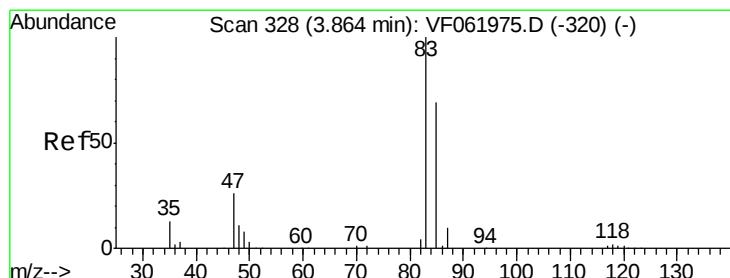
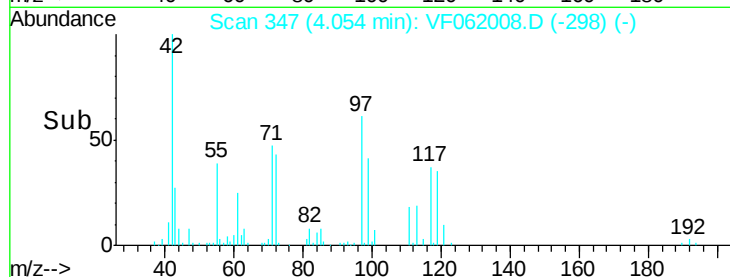
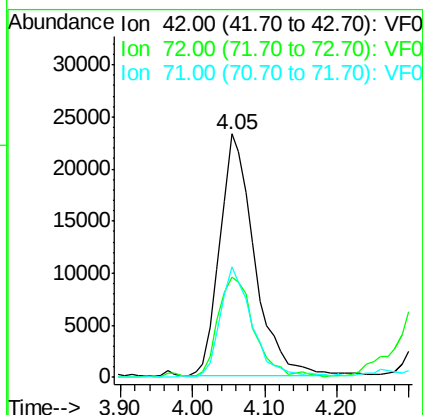
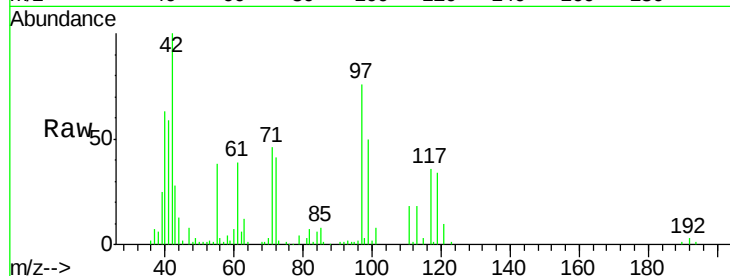




#29
Tetrahydrofuran
Concen: 212.772 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.02 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

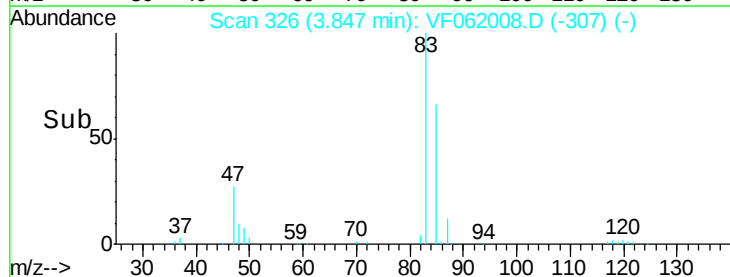
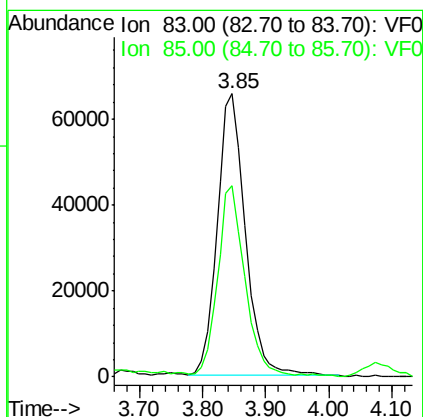
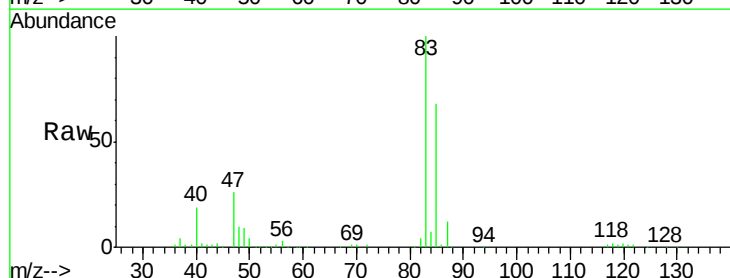
Instrument :
MSVOA_F
ClientSampleId :

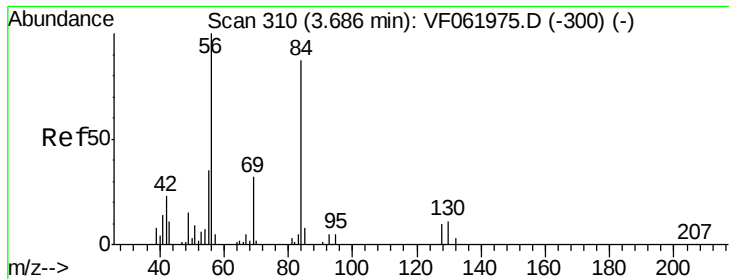
Tot Ion: 42 Resp: 77726
Ion Ratio Lower Upper
42 100
72 41.7 34.0 51.0
71 42.3 34.2 51.4



#30
Chloroform
Concen: 45.306 ug/l
RT: 3.85 min Scan# 326
Delta R.T. -0.02 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

Tgt Ion: 83 Resp: 202954
Ion Ratio Lower Upper
83 100
85 67.6 55.5 83.3





#31

Cyclohexane

Concen: 29.118 ug/l

RT: 3.68 min Scan# 309

Delta R.T. -0.01 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

Instrument :

MSVOA_F

ClientSampleId :

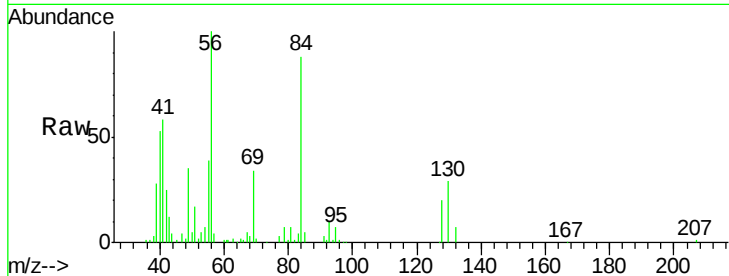
Tot Ion: 56 Resp: 112790

Ion Ratio Lower Upper

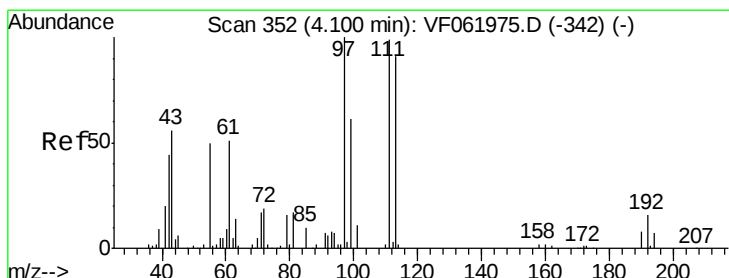
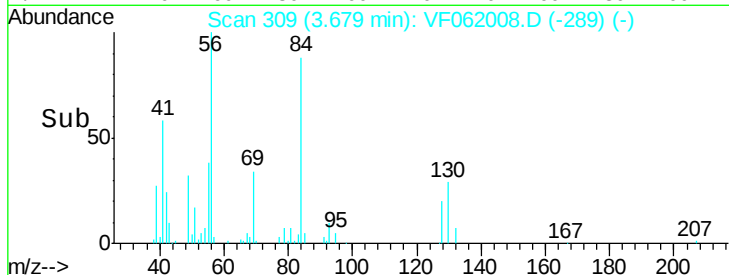
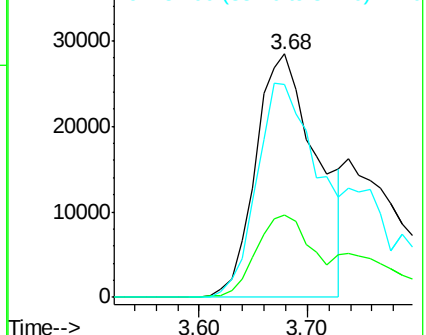
56 100

69 33.7 25.8 38.8

84 87.6 69.5 104.3



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



#32

1,1,1-Trichloroethane

Concen: 39.966 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.03 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

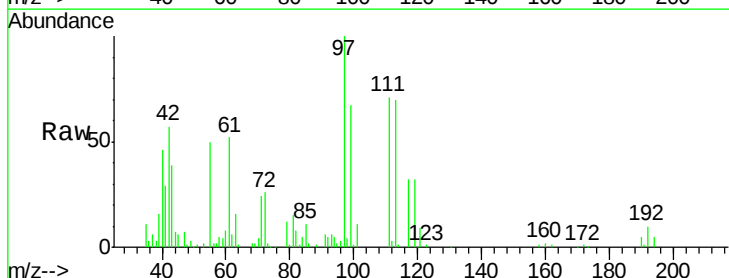
Tgt Ion: 97 Resp: 118897

Ion Ratio Lower Upper

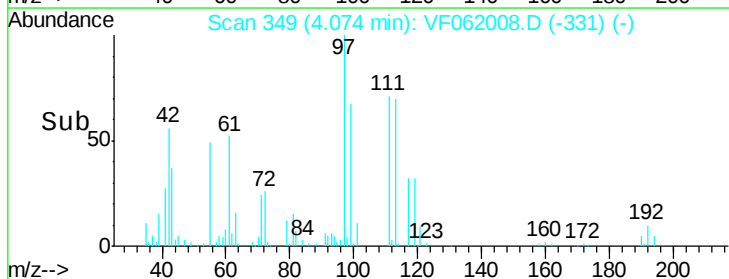
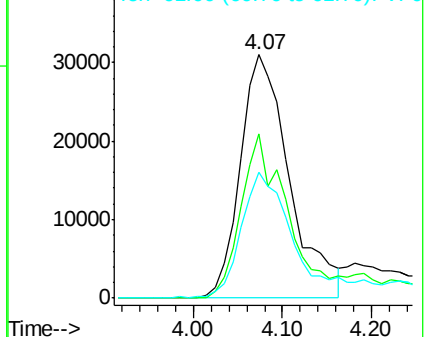
97 100

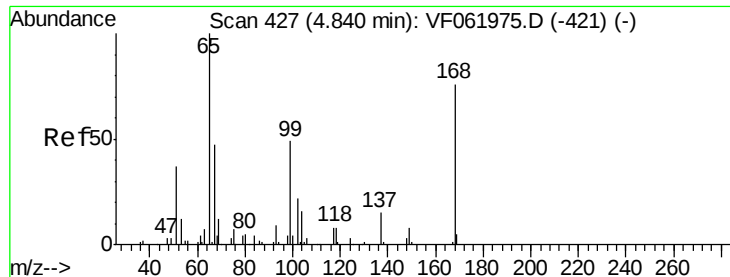
99 67.4 49.0 73.4

61 51.7 41.4 62.0



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

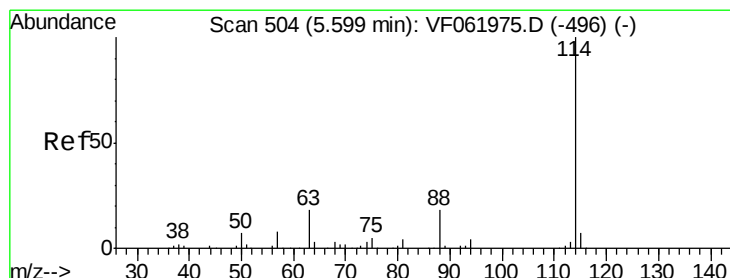
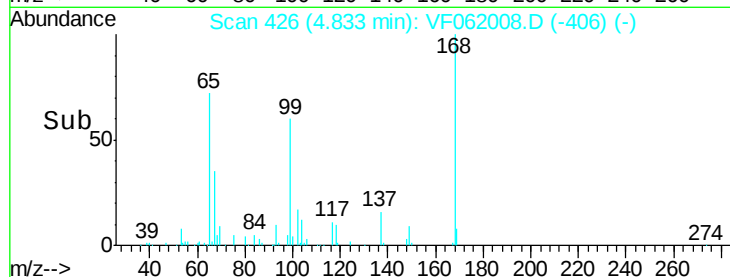
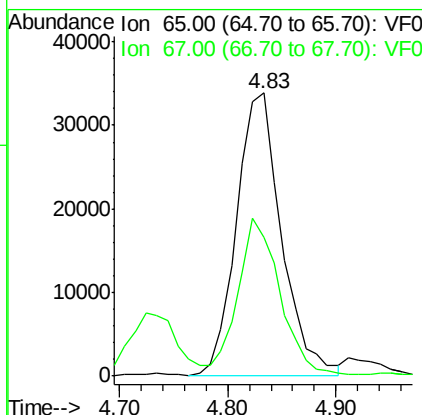
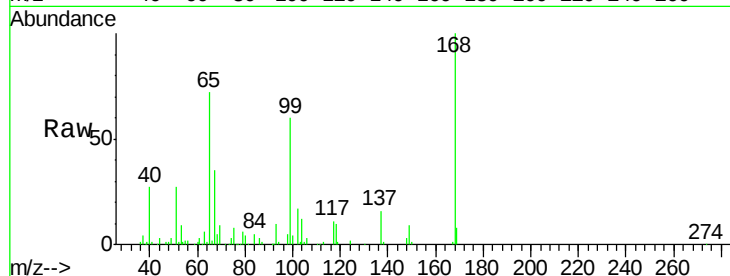




#33
 1,2-Dichloroethane-d4
 Concen: 52.232 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.01 min
 Lab File: VF062008.D
 Acq: 18 Mar 2019 20:50

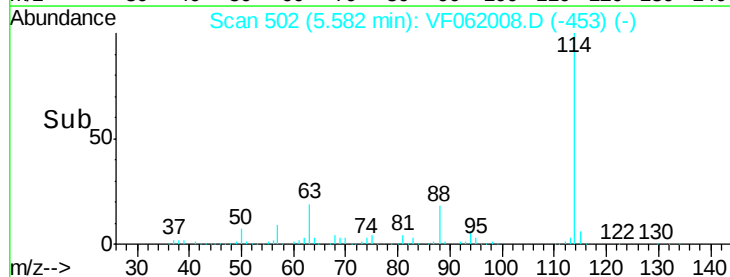
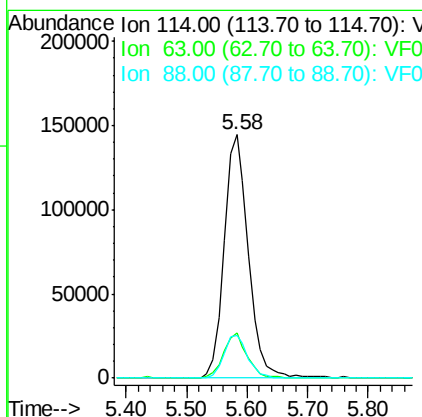
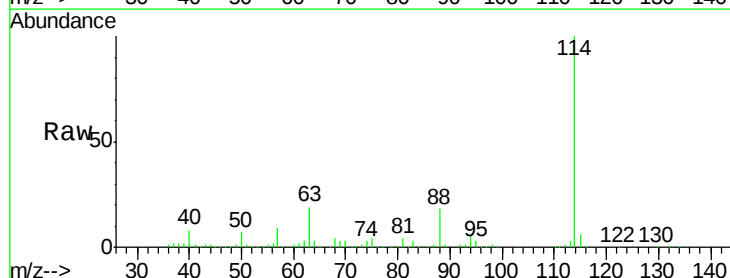
Instrument :
 MSVOA_F
 ClientSampleId :

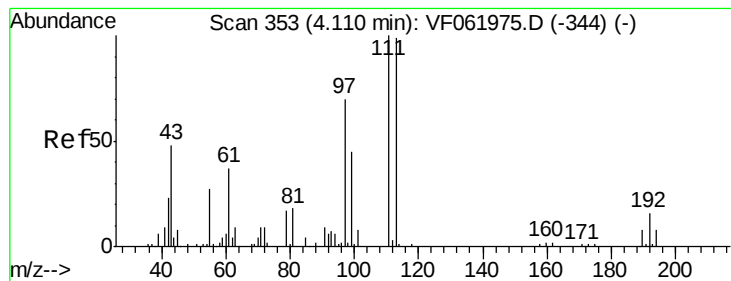
Tot Ion: 65 Resp: 98654
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.02 min
 Lab File: VF062008.D
 Acq: 18 Mar 2019 20:50

Tgt Ion: 114 Resp: 399477
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 36.4
 88 17.6 0.0 36.4





#35

Dibromofluoromethane

Concen: 51.578 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

Instrument :
MSVOA_F
ClientSampled :

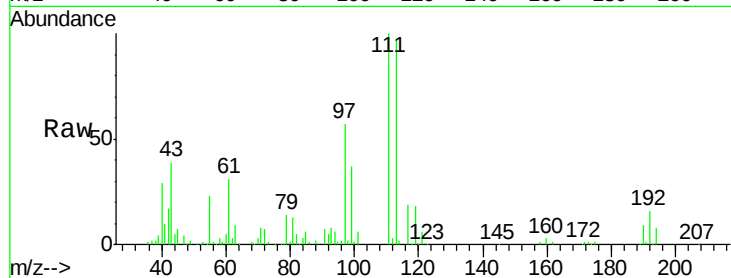
Tot Ion:113 Resp: 138361

Ion Ratio Lower Upper

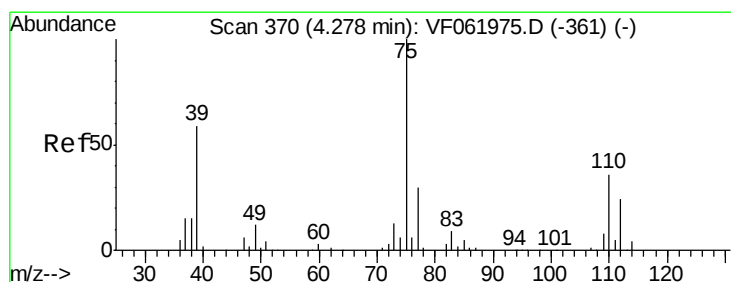
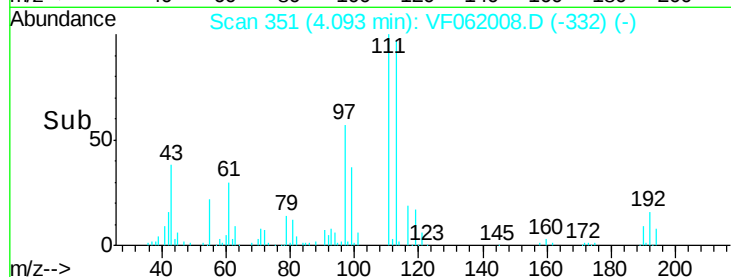
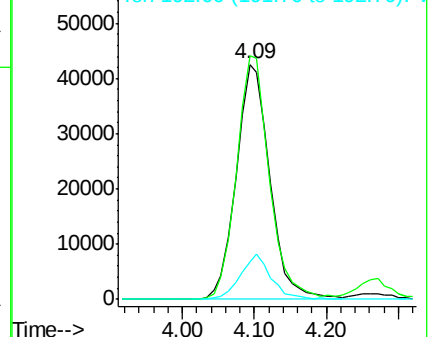
113 100

111 103.6 80.8 121.2

192 16.5 13.0 19.6



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



#36

1,1-Dichloropropene

Concen: 46.264 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.02 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

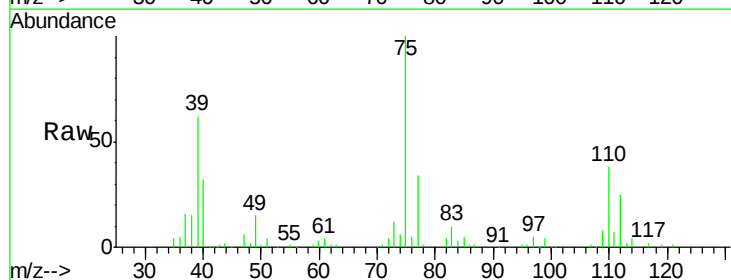
Tgt Ion: 75 Resp: 166895

Ion Ratio Lower Upper

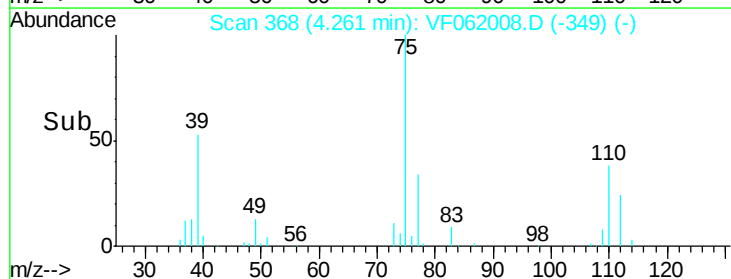
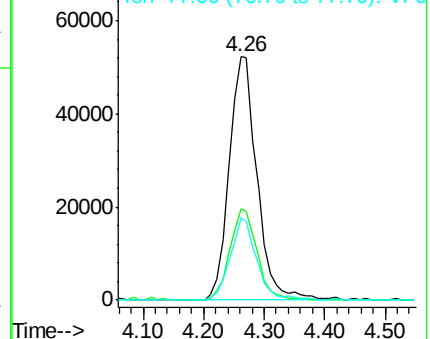
75 100

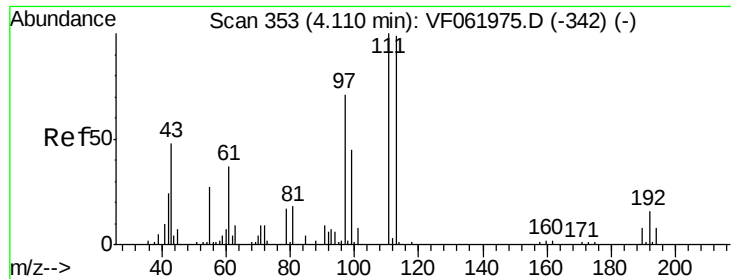
110 37.6 17.8 53.3

77 33.8 24.2 36.2



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





#37

Ethyl Acetate

Concen: 43.646 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

Instrument :
MSVOA_F
ClientSampleId :

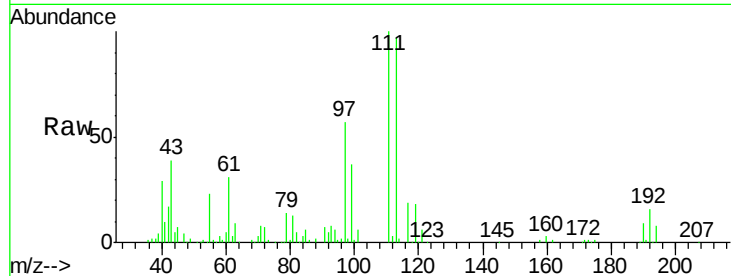
Tot Ion: 43 Resp: 70698

Ion Ratio Lower Upper

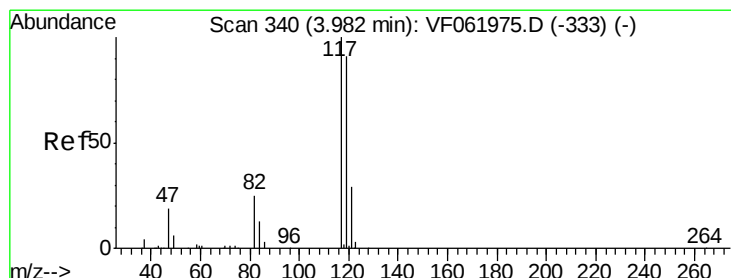
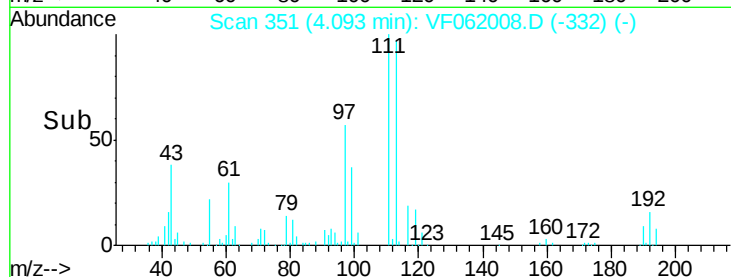
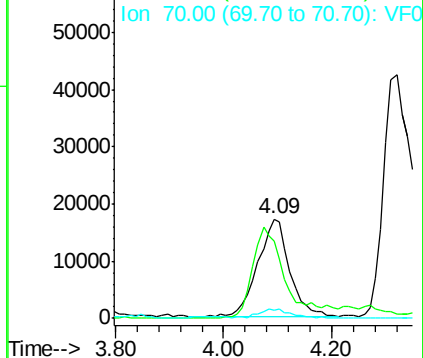
43 100

61 78.0 59.8 89.6

70 8.4 7.8 11.8



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



#38

Carbon Tetrachloride

Concen: 45.478 ug/l

RT: 3.97 min Scan# 339

Delta R.T. -0.01 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

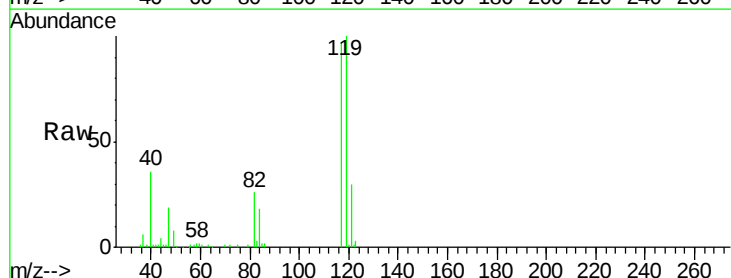
Tgt Ion: 117 Resp: 119902

Ion Ratio Lower Upper

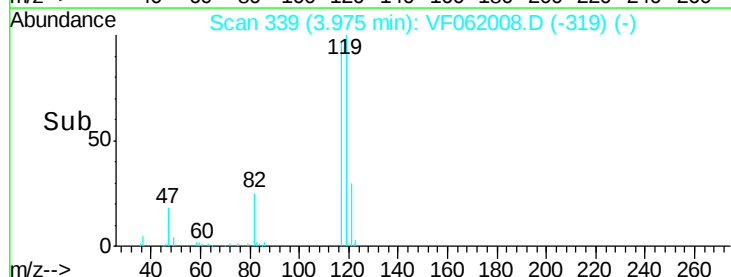
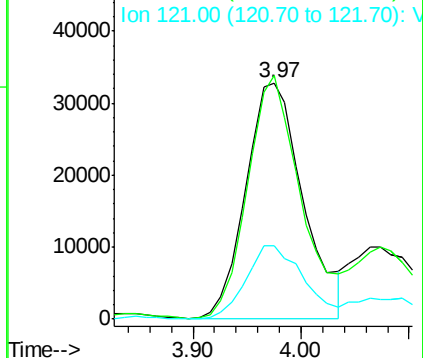
117 100

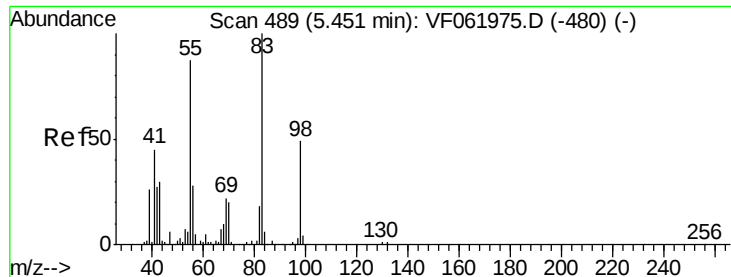
119 103.1 73.0 109.4

121 31.3 23.0 34.6



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

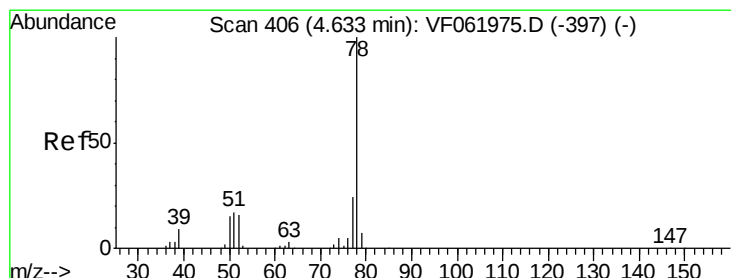
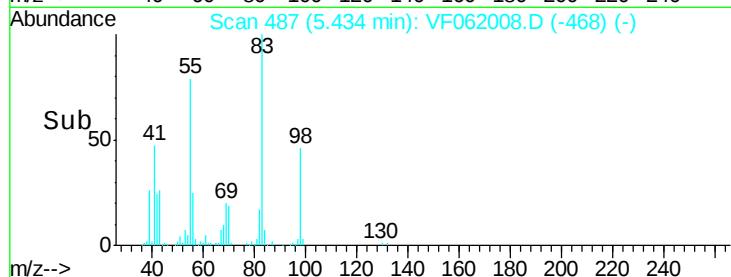
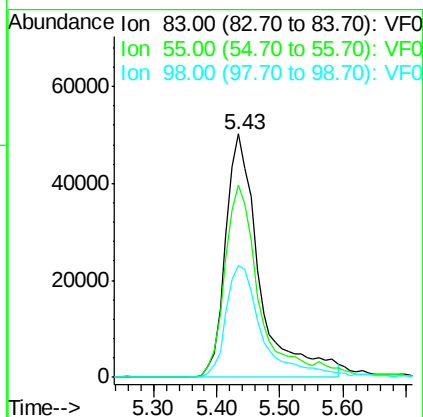
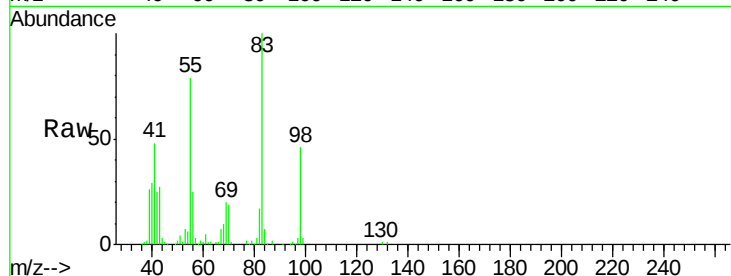




#39
Methvlcvclohexane
Concen: 44.477 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.02 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

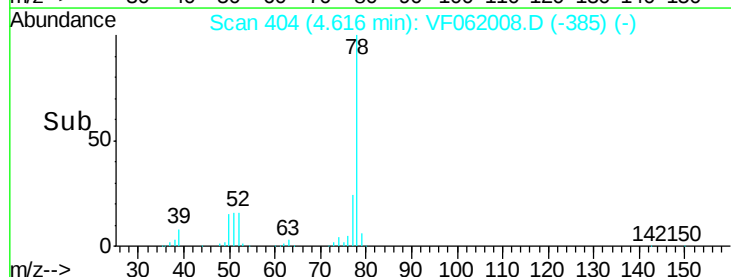
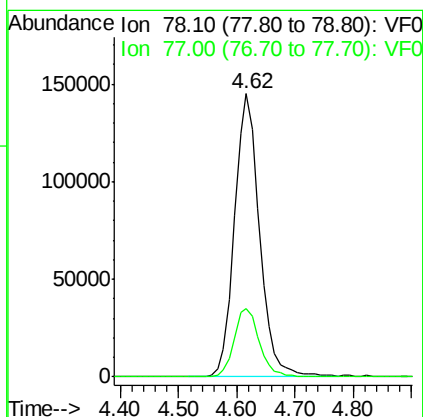
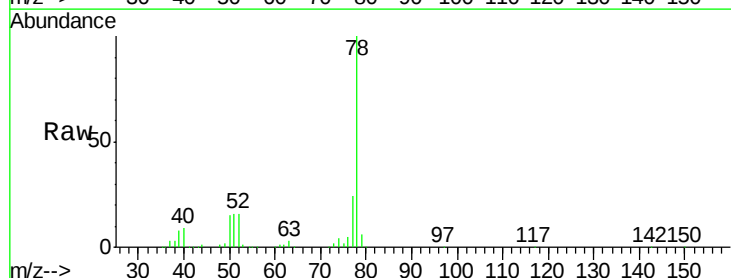
Instrument :
MSVOA_F
ClientSampleId :

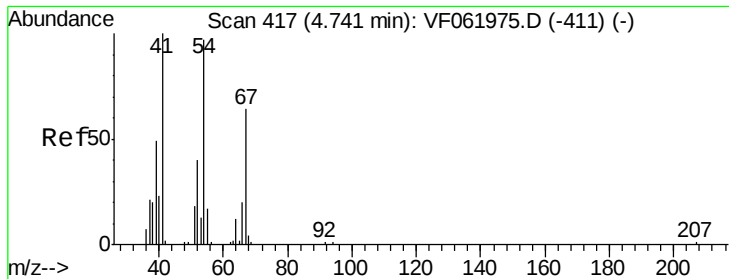
Tot Ion: 83 Resp: 188362
Ion Ratio Lower Upper
83 100
55 79.0 69.7 104.5
98 46.1 39.4 59.0



#40
Benzene
Concen: 45.442 ug/l
RT: 4.62 min Scan# 404
Delta R.T. -0.02 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

Tgt Ion: 78 Resp: 434376
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.4

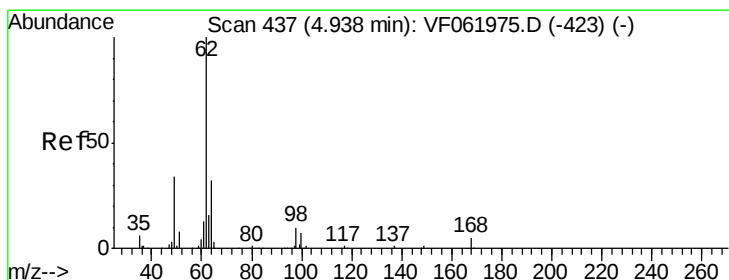
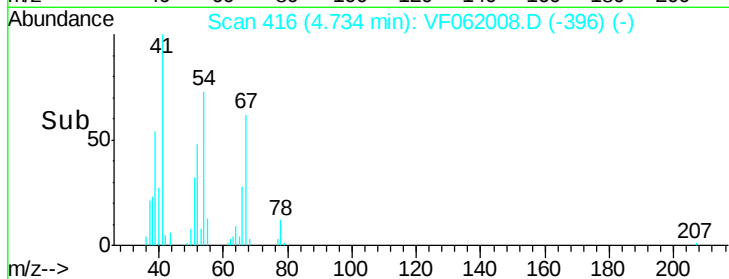
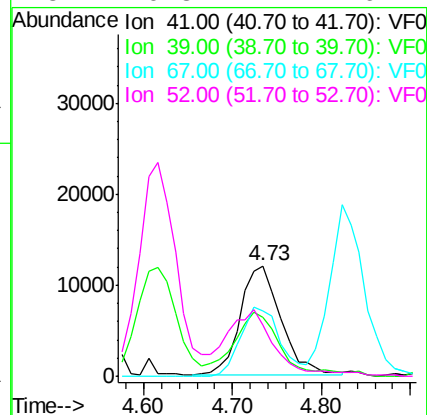
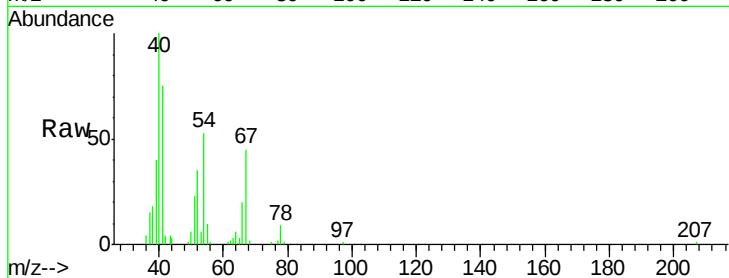




#41
Methacrylonitrile
Concen: 43.662 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.01 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

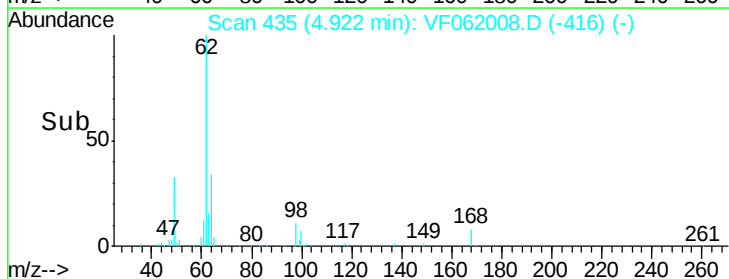
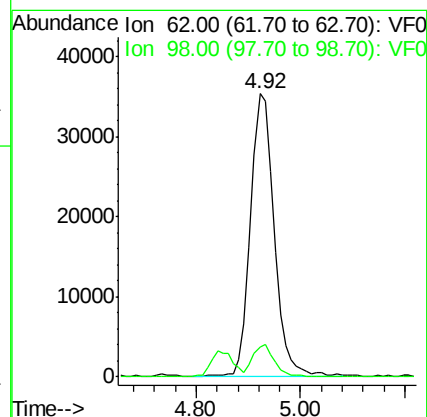
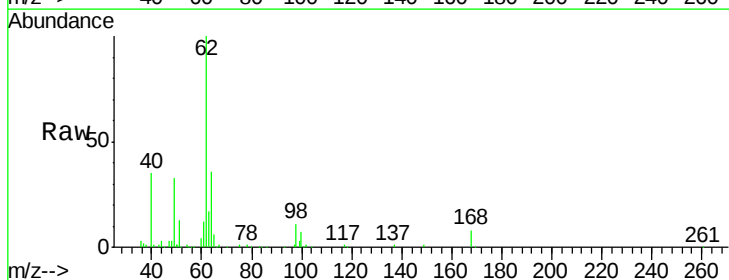
Instrument :
MSVOA_F
ClientSampleId :

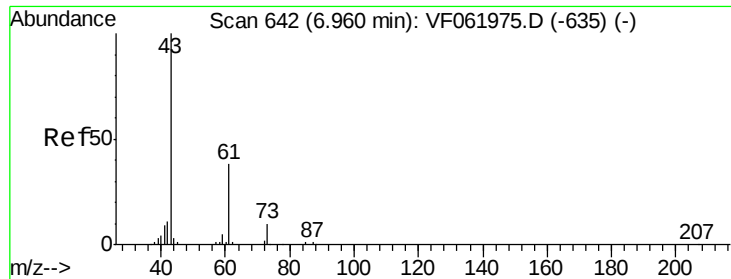
Tot Ion:	41	Resp:	37786
Ion	Ratio	Lower	Upper
41	100		
39	53.7	46.2	69.4
67	59.8	49.8	74.8
52	46.3	42.7	64.1



#42
1,2-Dichloroethane
Concen: 45.980 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.02 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

Tgt Ion:	62	Resp:	109412
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	19.8



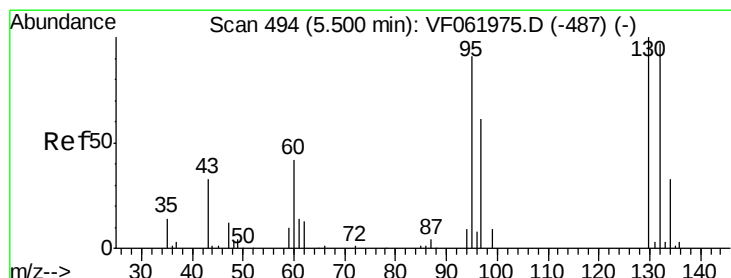
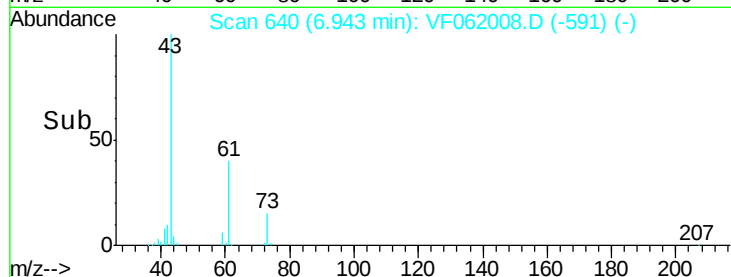
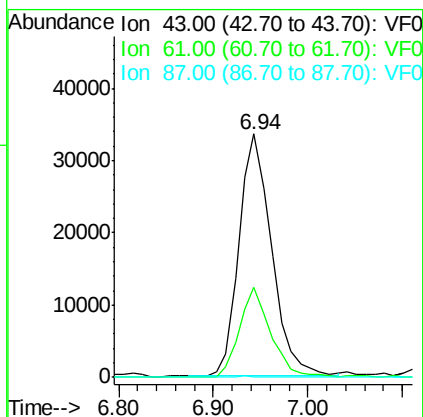
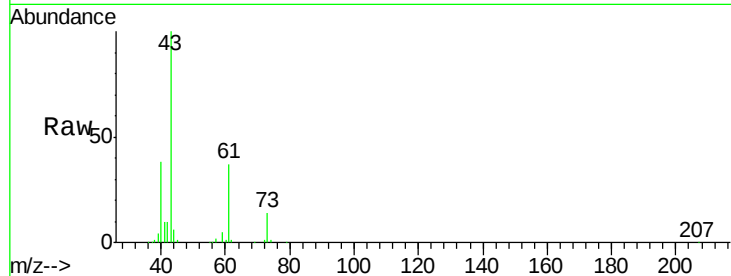


#43

Isopropyl Acetate
 Concen: 41.892 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.02 min
 Lab File: VF062008.D
 Acq: 18 Mar 2019 20:50

Instrument :
 MSVOA_F
 ClientSampleId :

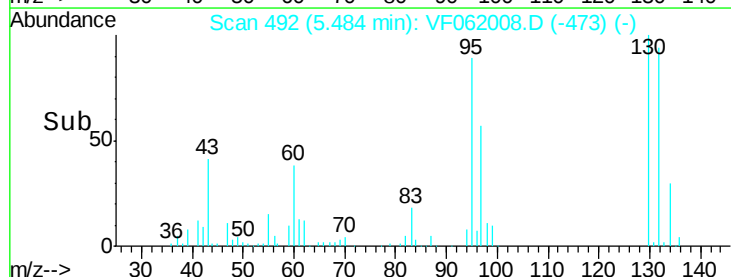
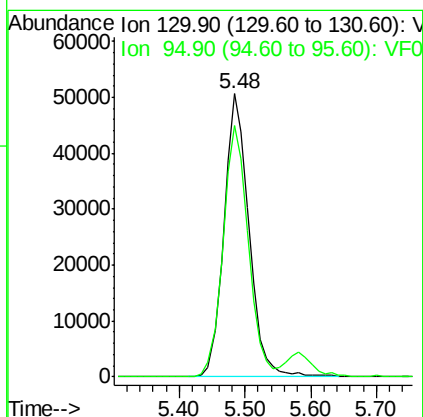
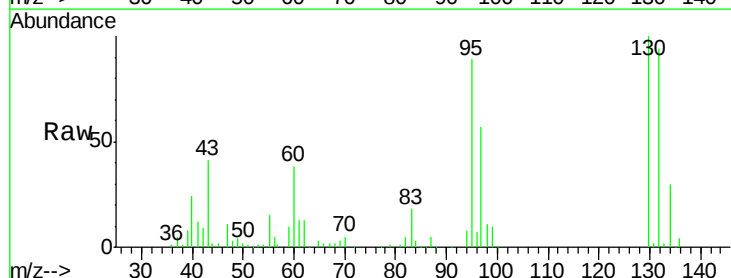
Tot Ion: 43 Resp: 80285
 Ion Ratio Lower Upper
 43 100
 61 36.8 30.1 45.1
 87 0.0 0.4 0.6#

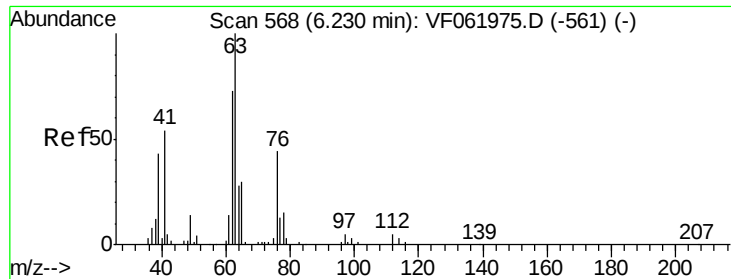


#44

Trichloroethene
 Concen: 46.101 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.02 min
 Lab File: VF062008.D
 Acq: 18 Mar 2019 20:50

Tgt Ion: 130 Resp: 134994
 Ion Ratio Lower Upper
 130 100
 95 89.0 0.0 181.4





#45

1,2-Dichloropropane

Concen: 45.005 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.02 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

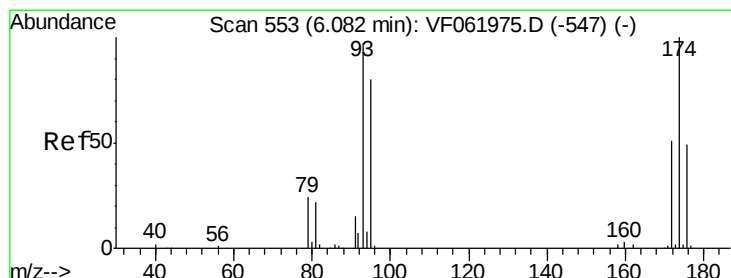
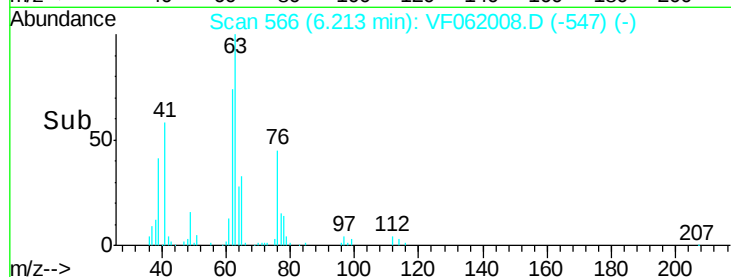
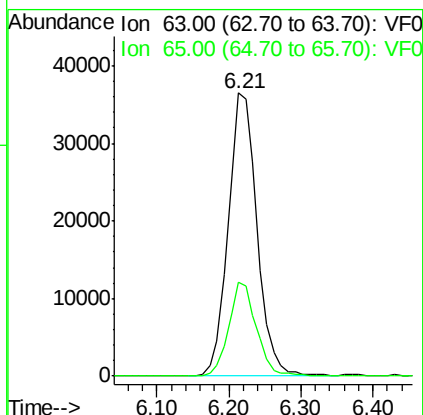
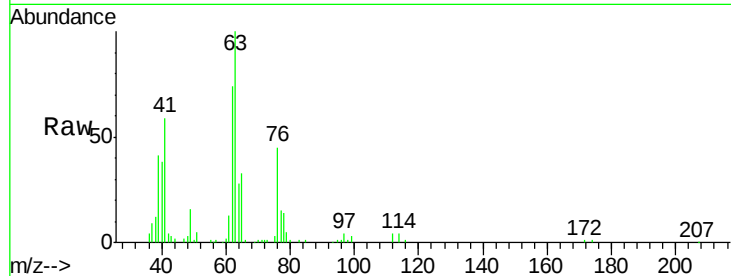
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 101810

Ion Ratio Lower Upper

63 100

65 33.1 23.7 35.5



#46

Dibromomethane

Concen: 49.273 ug/l

RT: 6.07 min Scan# 551

Delta R.T. -0.02 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

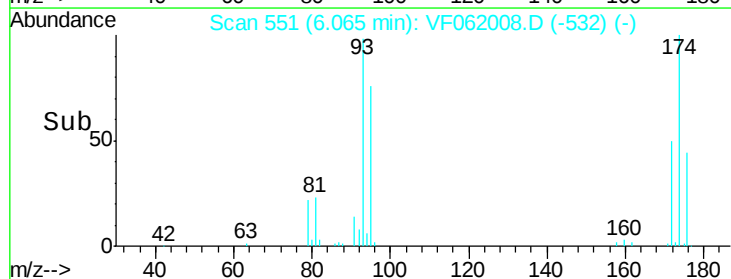
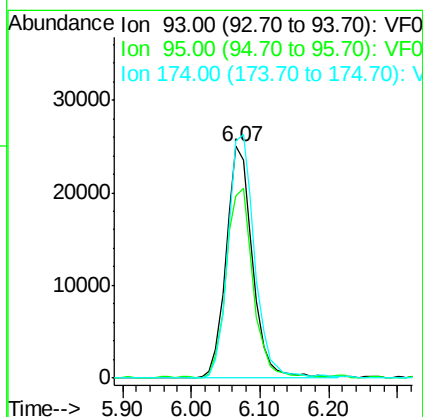
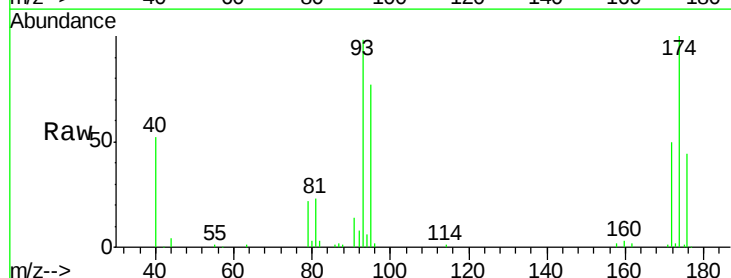
Tgt Ion: 93 Resp: 66309

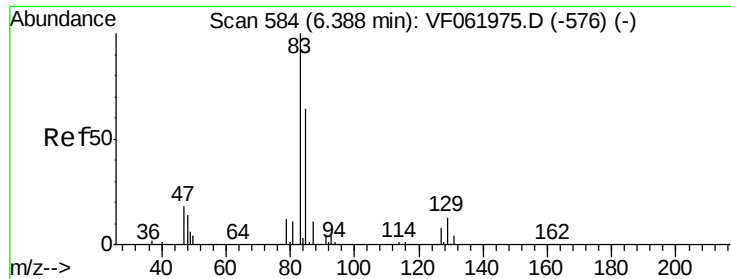
Ion Ratio Lower Upper

93 100

95 78.3 65.7 98.5

174 102.1 82.2 123.4





#47

Bromodichloromethane

Concen: 46.653 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.02 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

Instrument :
MSVOA_F
ClientSampleId :

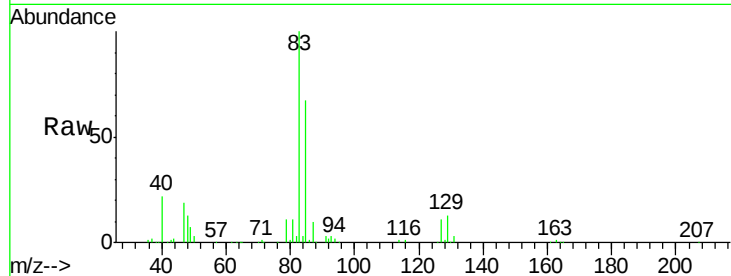
Tot Ion: 83 Resp: 148015

Ion Ratio Lower Upper

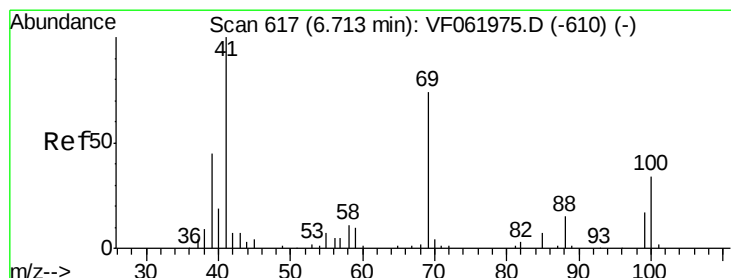
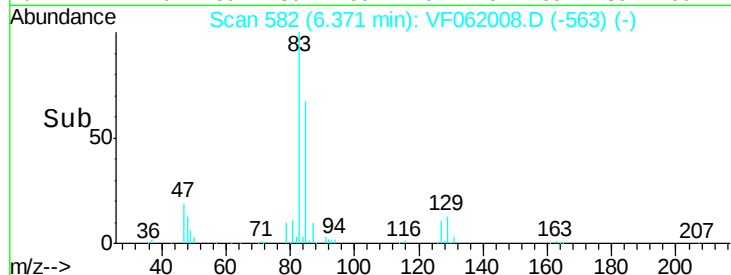
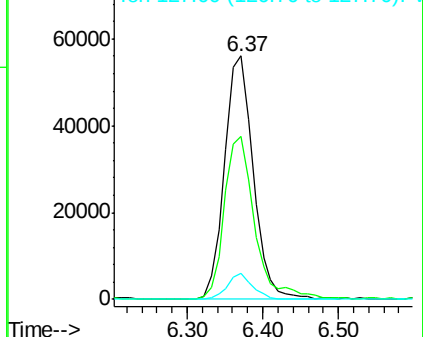
83 100

85 66.9 51.4 77.2

127 10.6 6.5 9.7#



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: 43.424 ug/l

RT: 6.70 min Scan# 615

Delta R.T. -0.02 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

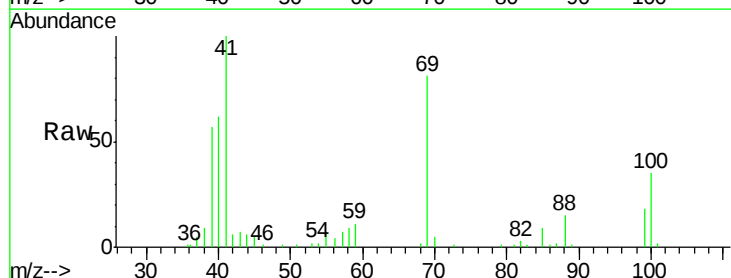
Tgt Ion: 41 Resp: 53785

Ion Ratio Lower Upper

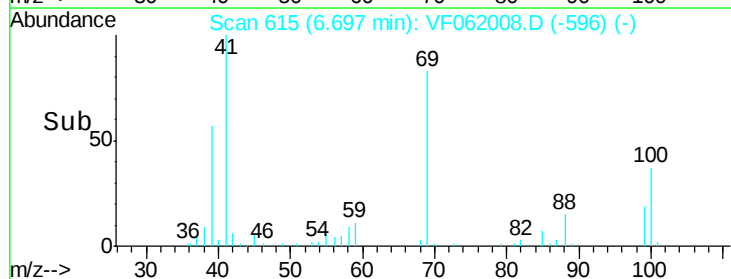
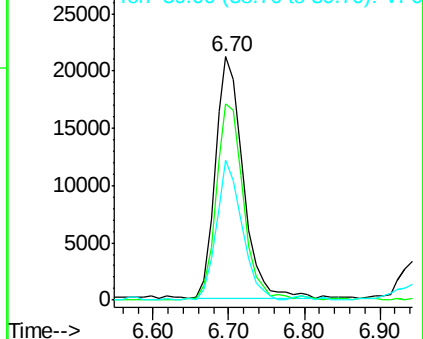
41 100

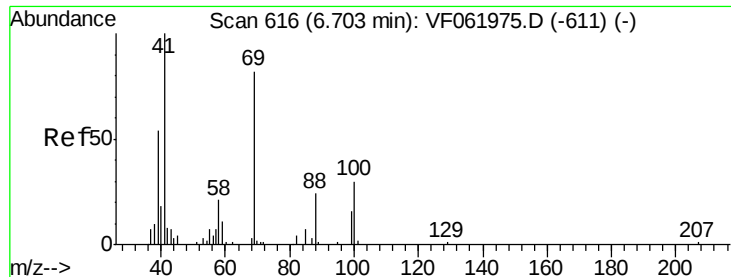
69 80.6 59.0 88.6

39 57.3 35.6 53.4#



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

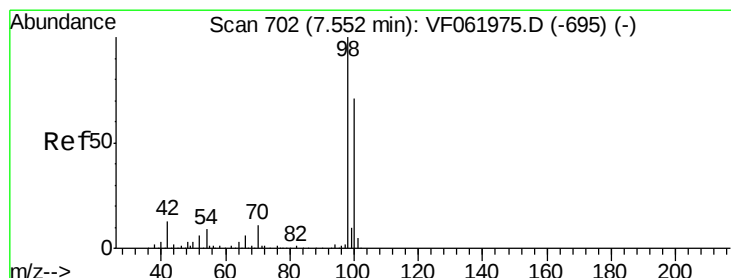
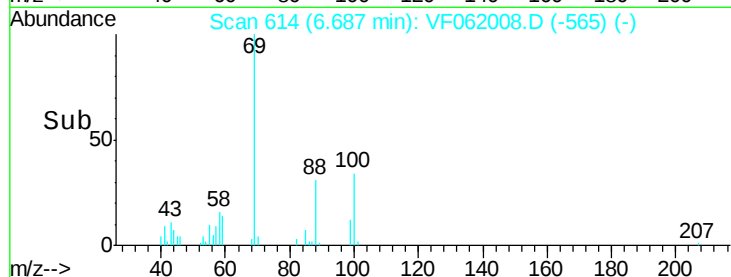
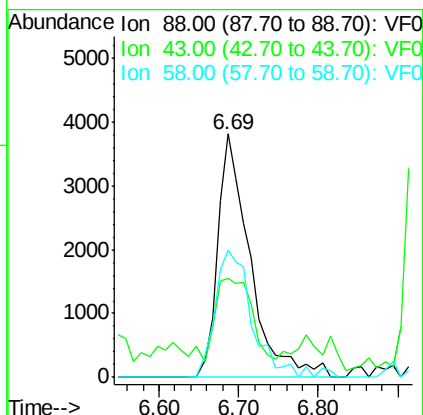
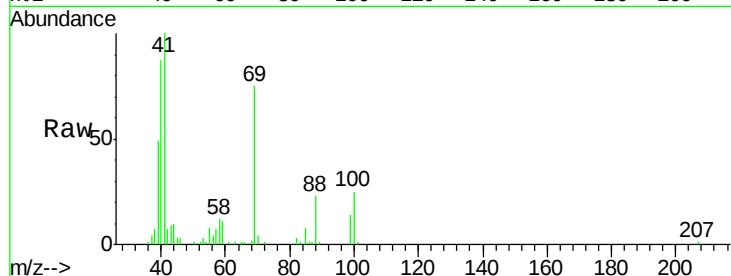




#49
 1,4-Dioxane
 Concen: 984.898 ug/l
 RT: 6.69 min Scan# 614
 Delta R.T. -0.02 min
 Lab File: VF062008.D
 Acq: 18 Mar 2019 20:50

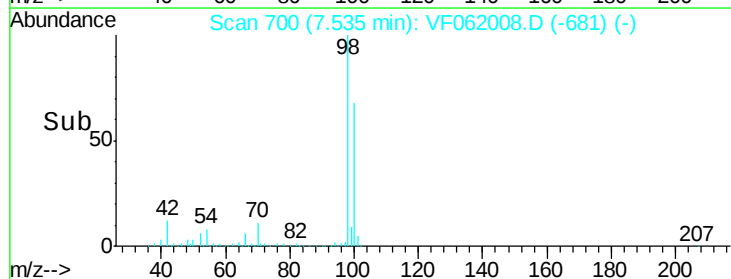
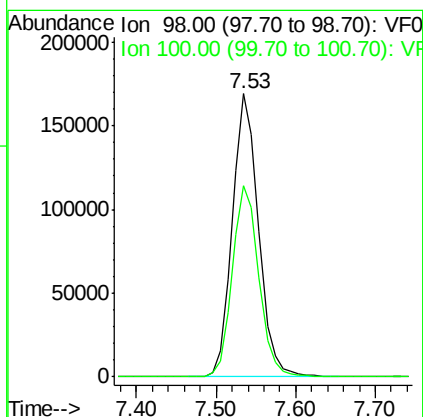
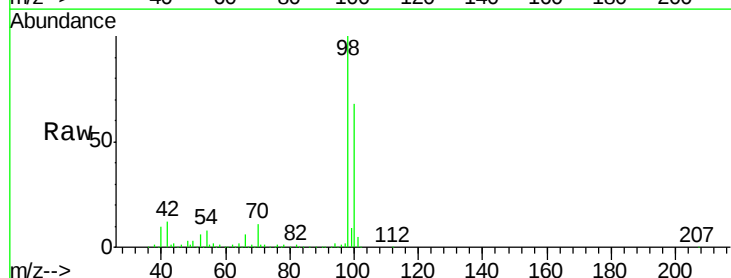
Instrument :
 MSVOA_F
 ClientSampled :

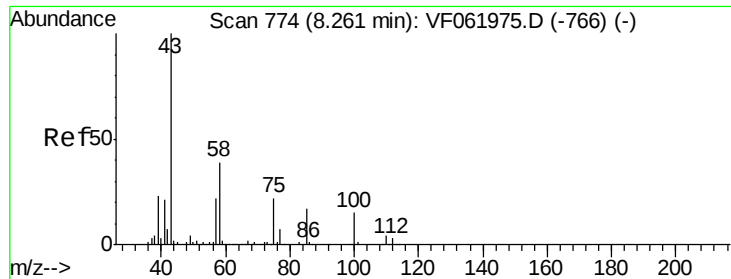
Tot Ion: 88 Resp: 10851
 Ion Ratio Lower Upper
 88 100
 43 40.9 31.2 46.8
 58 52.3 69.9 104.9#



#50
 Toluene-d8
 Concen: 49.541 ug/l
 RT: 7.53 min Scan# 700
 Delta R.T. -0.02 min
 Lab File: VF062008.D
 Acq: 18 Mar 2019 20:50

Tgt Ion: 98 Resp: 388498
 Ion Ratio Lower Upper
 98 100
 100 67.8 56.8 85.2





#51

4-Methyl-2-Pentanone

Concen: 224.656 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.02 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

Instrument :

MSVOA_F

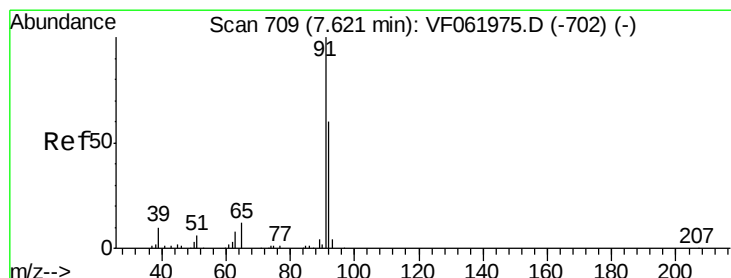
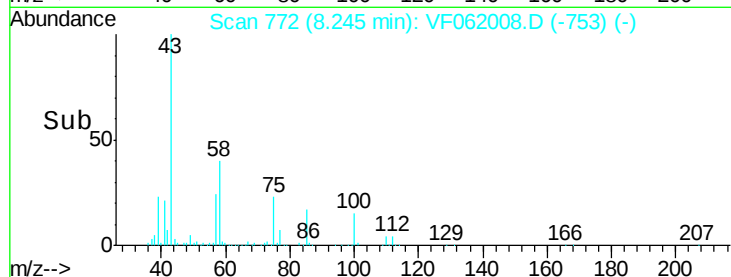
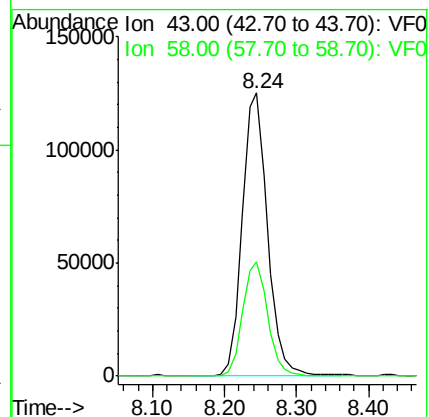
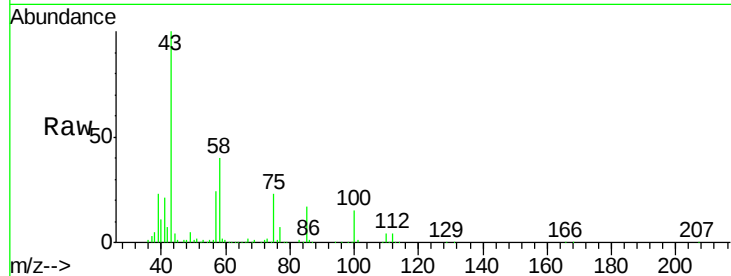
ClientSampleId :

Tot Ion: 43 Resp: 305737

Ion Ratio Lower Upper

43 100

58 40.4 31.1 46.7



#52

Toluene

Concen: 43.146 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.02 min

Lab File: VF062008.D

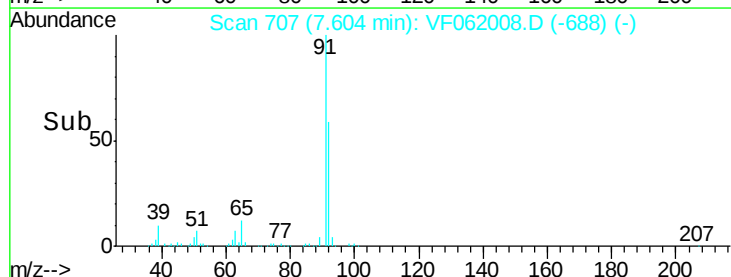
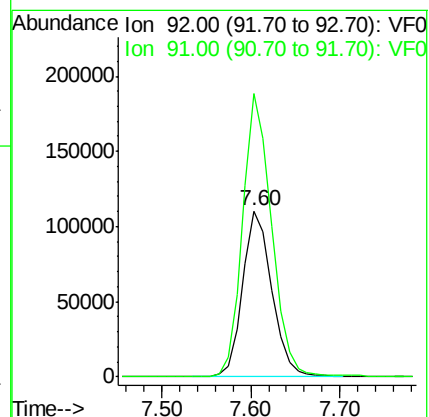
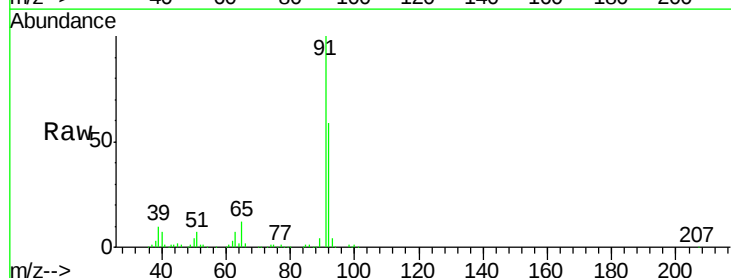
Acq: 18 Mar 2019 20:50

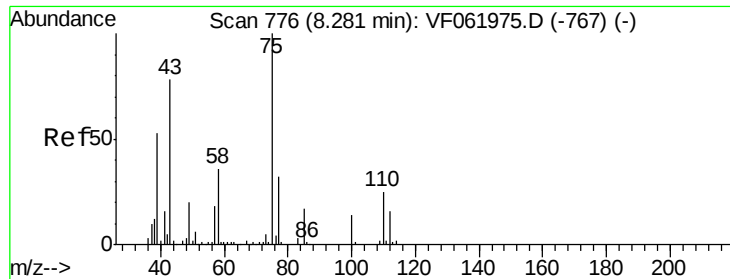
Tgt Ion: 92 Resp: 251994

Ion Ratio Lower Upper

92 100

91 170.2 134.0 201.0

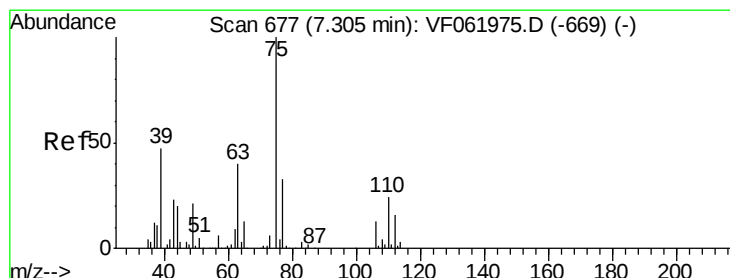
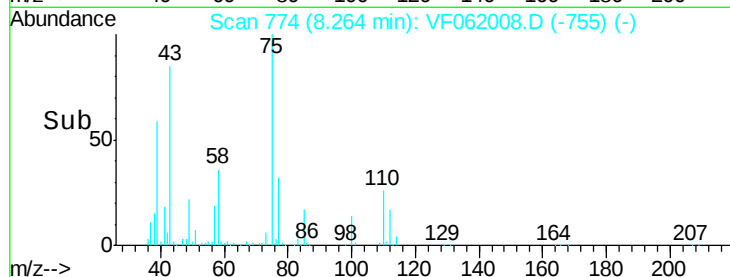
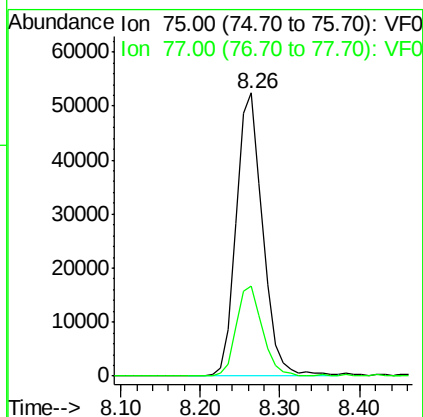
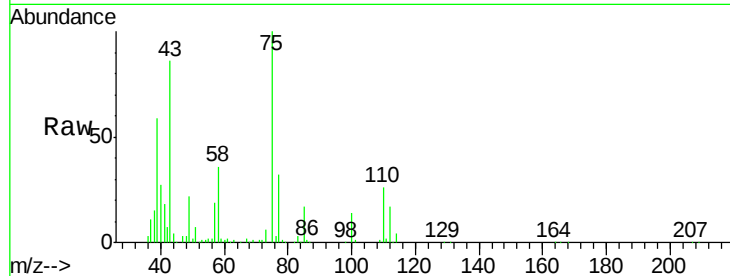




#53
t-1,3-Dichloropropene
Concen: 45.317 ug/l
RT: 8.26 min Scan# 774
Delta R.T. -0.02 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

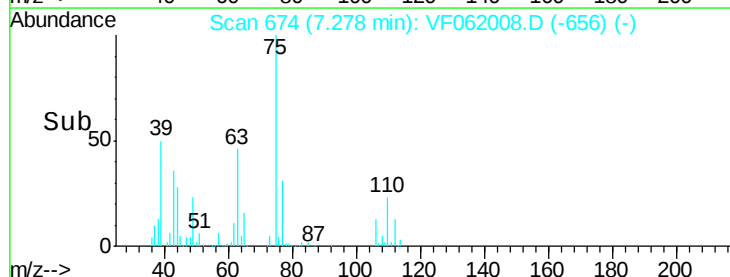
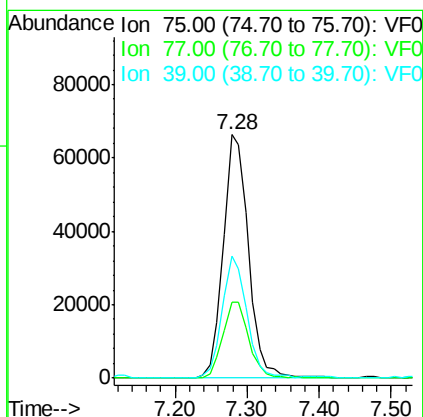
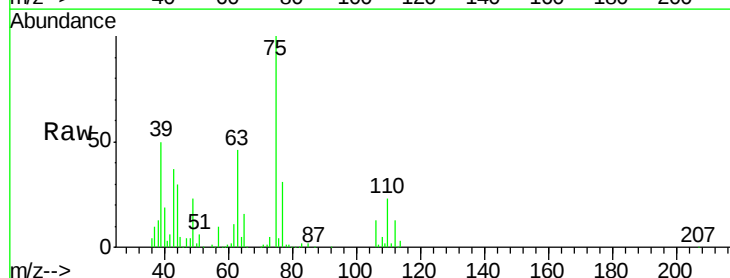
Instrument :
MSVOA_F
ClientSampleId :

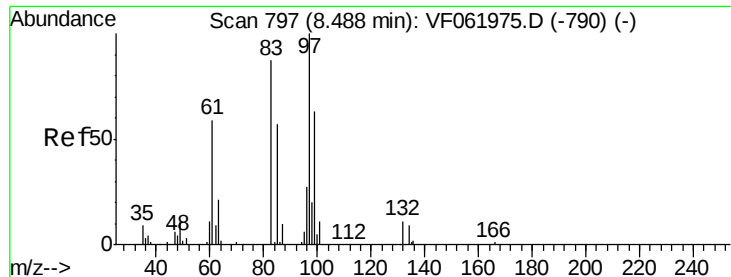
Tot Ion: 75 Resp: 121382
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 46.143 ug/l
RT: 7.28 min Scan# 674
Delta R.T. -0.03 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

Tgt Ion: 75 Resp: 161268
Ion Ratio Lower Upper
75 100
77 31.4 26.4 39.6
39 50.4 38.0 57.0





#55

1,1,2-Trichloroethane

Concen: 48.255 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.02 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

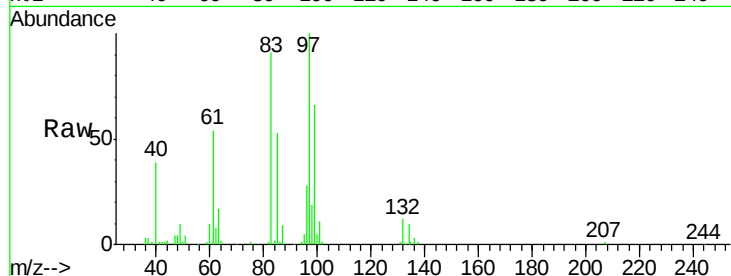
Instrument :

MSVOA_F

ClientSampled :

Tot Ion: 97 Resp: 78659

Ion	Ratio	Lower	Upper
97	100		
83	90.9	69.7	104.5
85	52.7	45.8	68.6
99	66.0	50.3	75.5

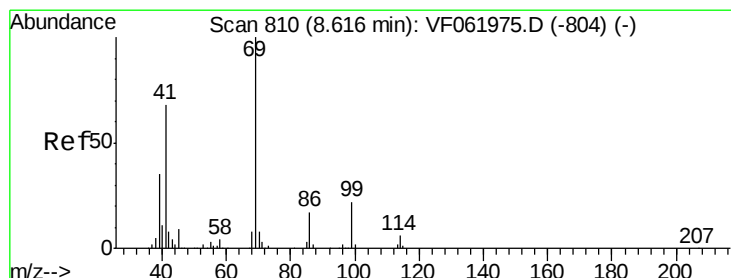
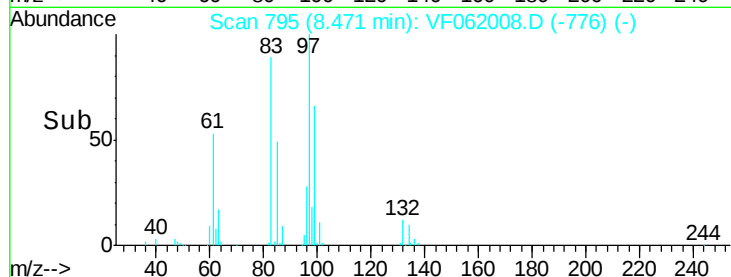


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 48.245 ug/l

RT: 8.60 min Scan# 808

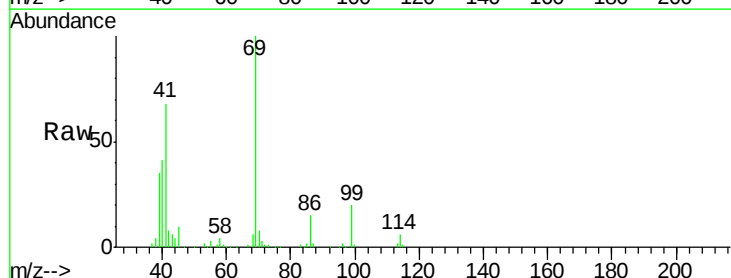
Delta R.T. -0.02 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

Tgt Ion: 69 Resp: 89399

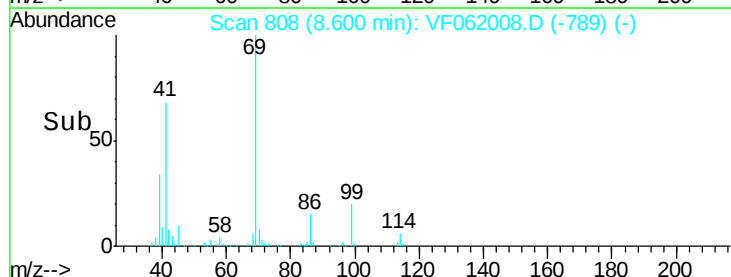
Ion	Ratio	Lower	Upper
69	100		
41	68.0	54.7	82.1
39	34.9	27.9	41.9

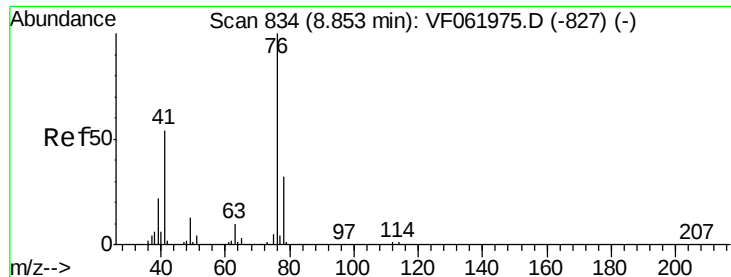


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 46.155 ug/l

RT: 8.84 min Scan# 832

Delta R.T. -0.02 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

Instrument :

MSVOA_F

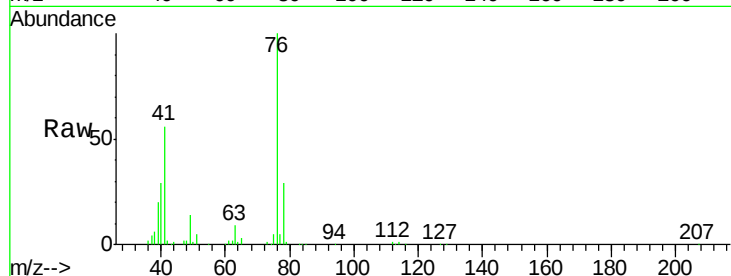
ClientSampleId :

Tot Ion: 76 Resp: 125504

Ion Ratio Lower Upper

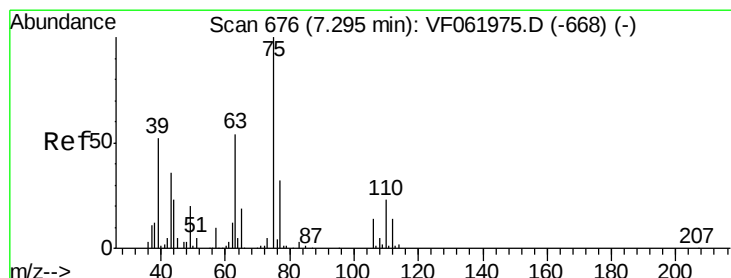
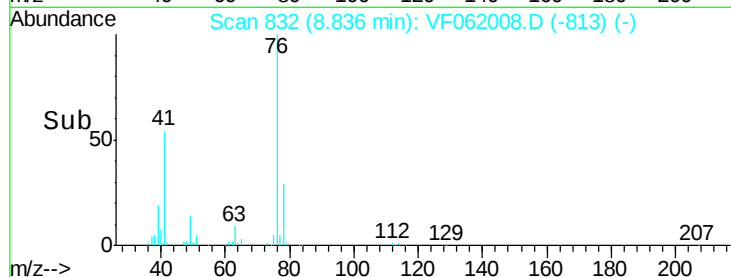
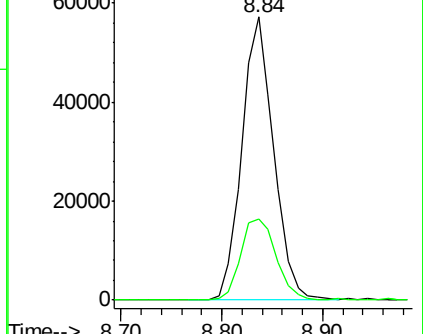
76 100

78 28.8 25.4 38.2



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 221.874 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.02 min

Lab File: VF062008.D

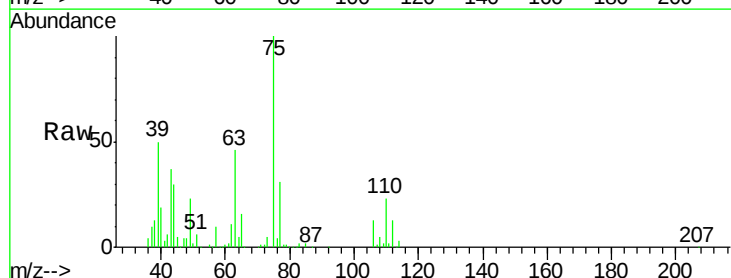
Acq: 18 Mar 2019 20:50

Tgt Ion: 63 Resp: 74468

Ion Ratio Lower Upper

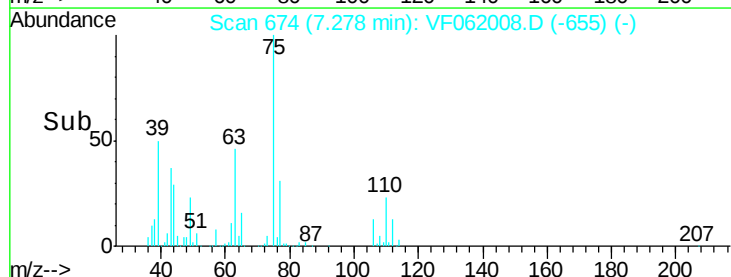
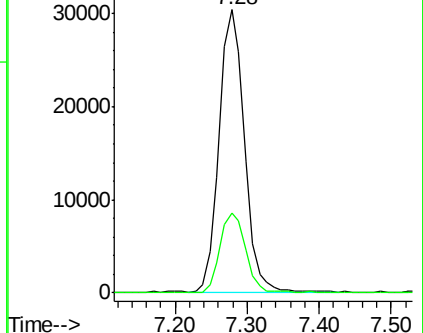
63 100

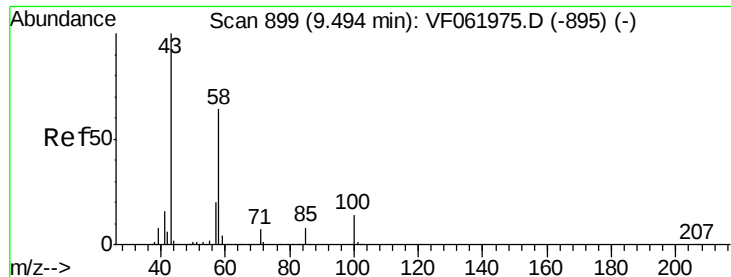
106 28.3 20.9 31.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

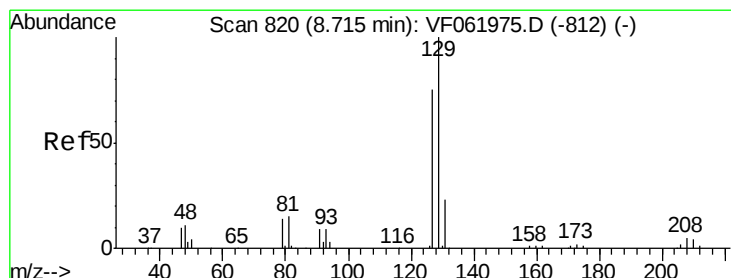
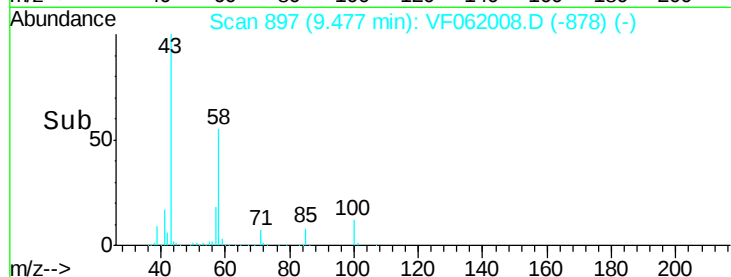
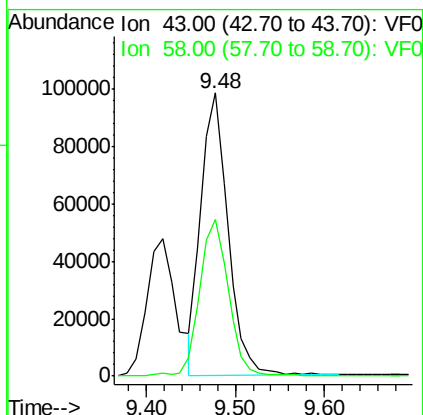
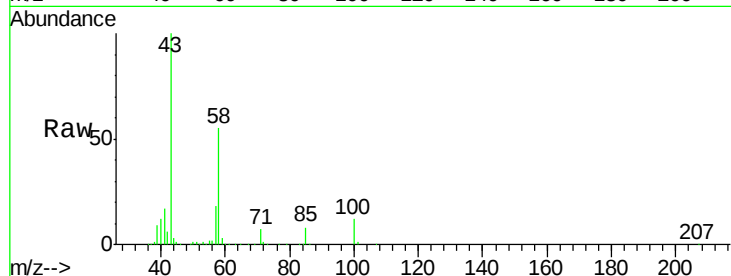




#59
2-Hexanone
Concen: 210.629 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.02 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

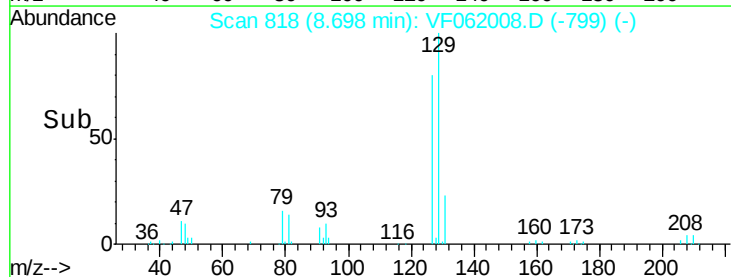
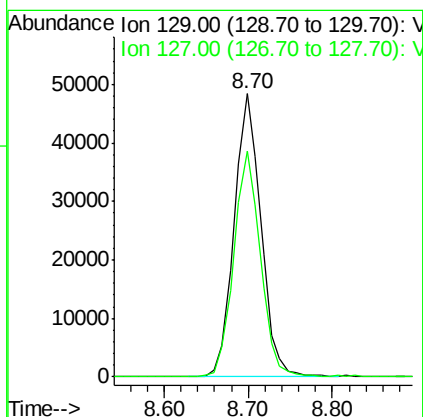
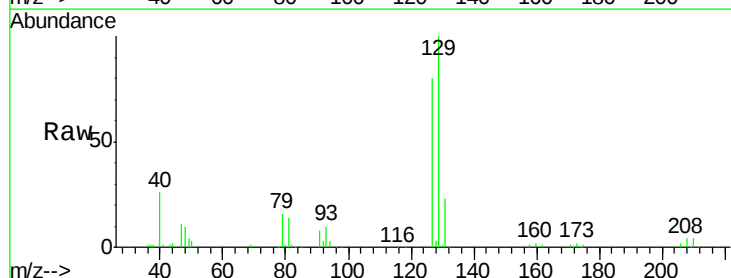
Instrument :
MSVOA_F
ClientSampleId :

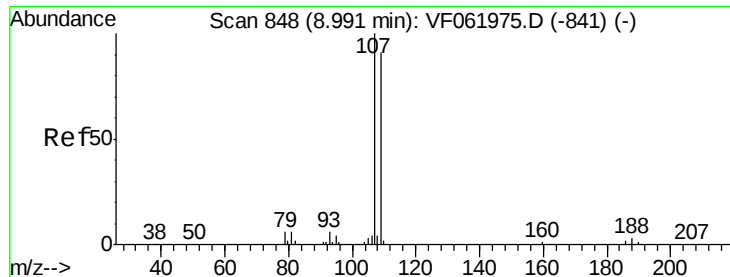
Tot Ion: 43 Resp: 207448
Ion Ratio Lower Upper
43 100
58 55.5 28.4 85.2



#60
Dibromochloromethane
Concen: 47.398 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.02 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

Tgt Ion: 129 Resp: 107260
Ion Ratio Lower Upper
129 100
127 79.6 37.3 111.8





#61

1,2-Dibromoethane

Concen: 47.050 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.03 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

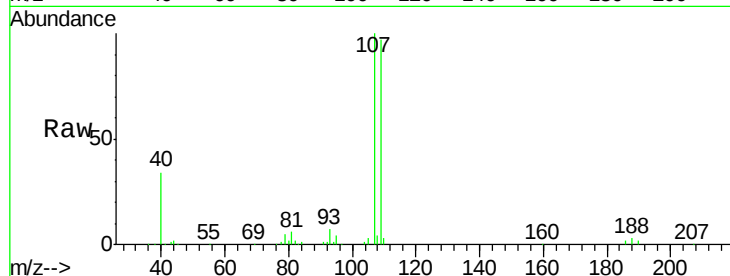
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 82267

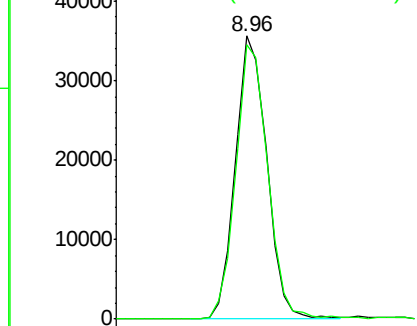
Ion Ratio Lower Upper

107 100

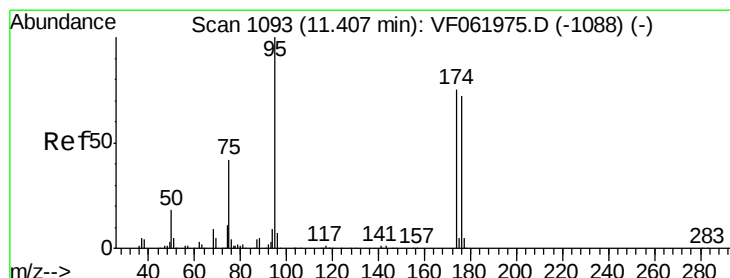
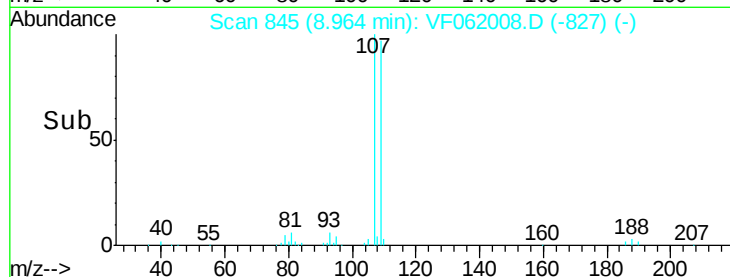
109 96.9 72.8 109.2



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



Time-->



#62

4-Bromofluorobenzene

Concen: 50.506 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

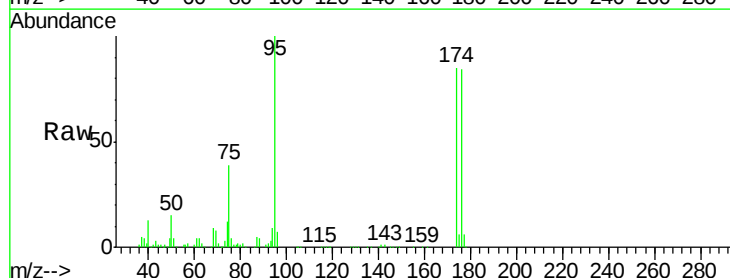
Tgt Ion: 95 Resp: 157340

Ion Ratio Lower Upper

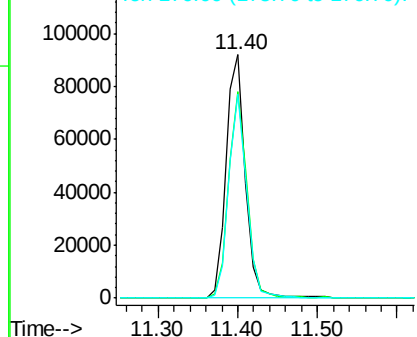
95 100

174 84.7 0.0 149.4

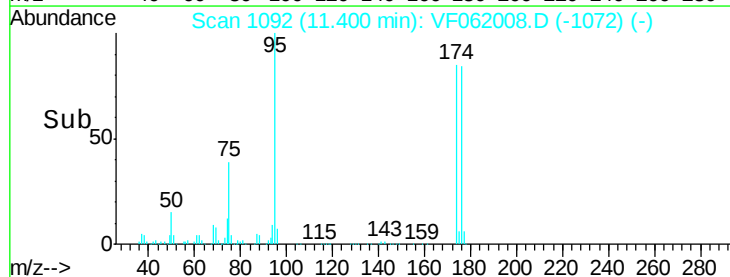
176 83.7 0.0 143.4

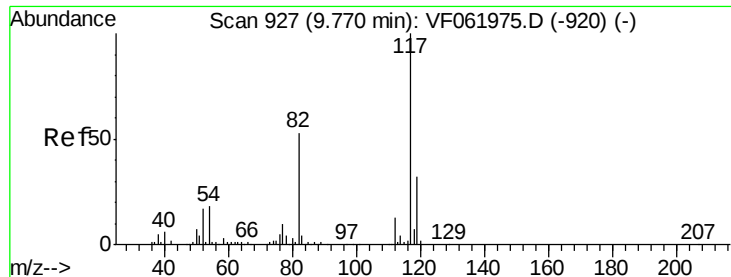


Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V



Time-->

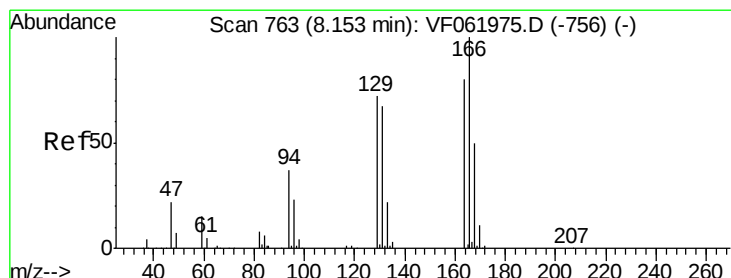
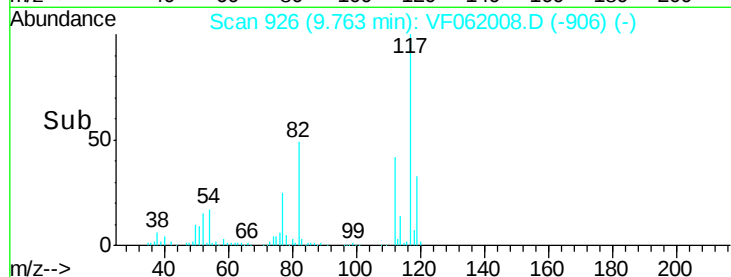
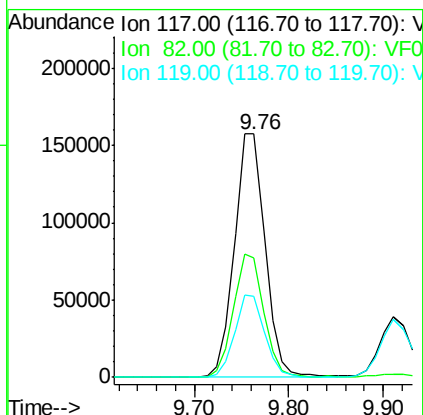
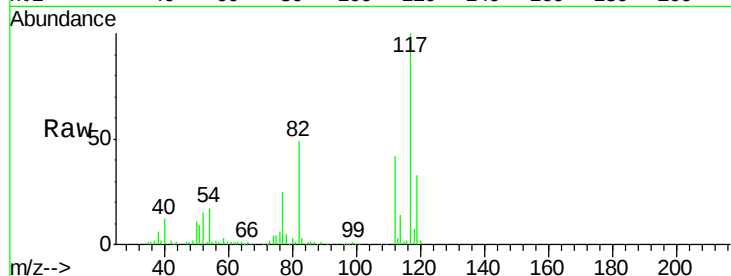




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.01 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

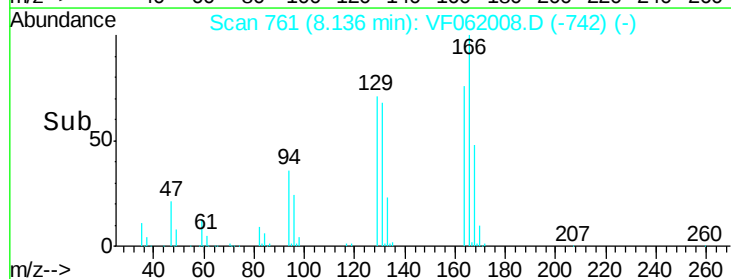
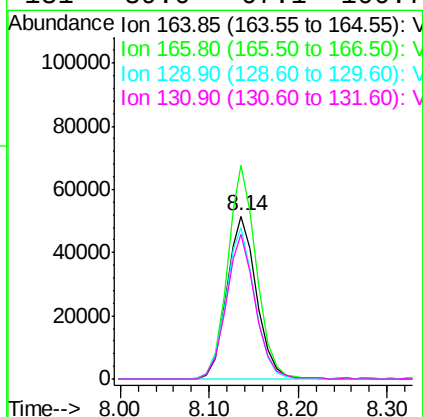
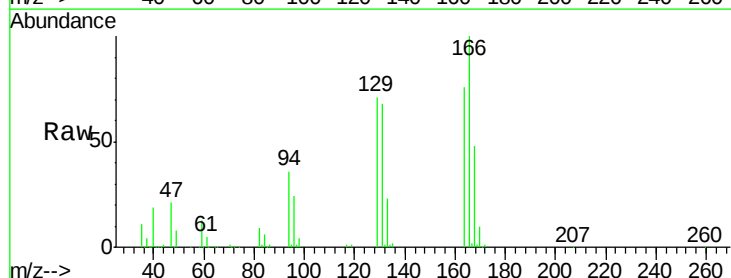
Instrument :
MSVOA_F
ClientSampled :

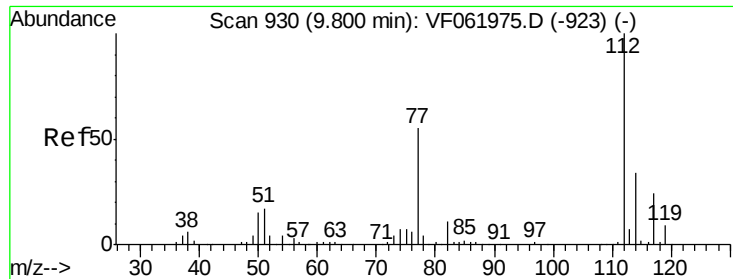
Tot Ion:117 Resp: 355611
Ion Ratio Lower Upper
117 100
82 49.2 42.5 63.7
119 33.4 25.4 38.0



#64
Tetrachloroethene
Concen: 46.617 ug/l
RT: 8.14 min Scan# 761
Delta R.T. -0.02 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

Tgt Ion:164 Resp: 120500
Ion Ratio Lower Upper
164 100
166 131.0 100.0 150.0
129 92.5 72.4 108.6
131 89.0 67.1 100.7





#65

Chlorobenzene

Concen: 45.522 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.02 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

Instrument :

MSVOA_F

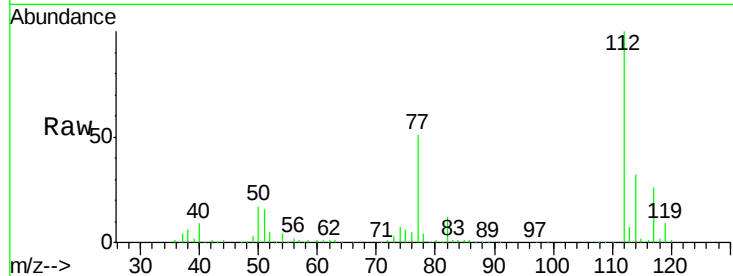
ClientSampleId :

Tot Ion:112 Resp: 301394

Ion Ratio Lower Upper

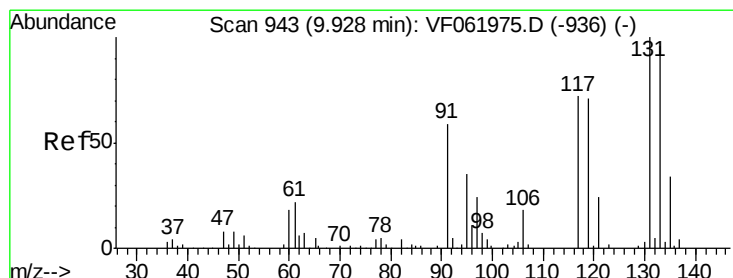
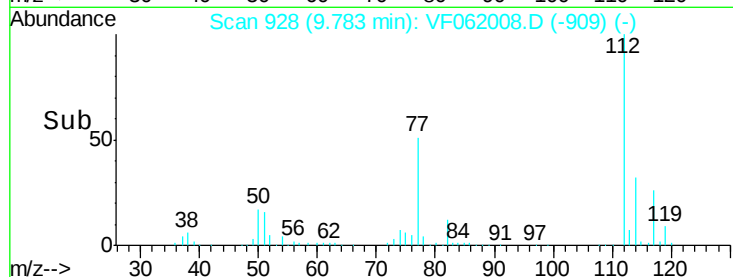
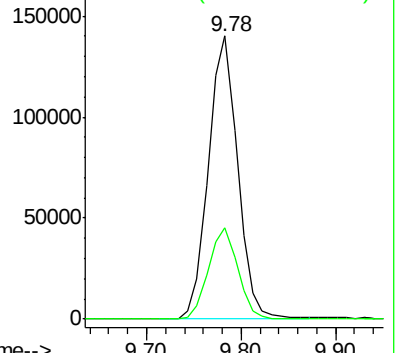
112 100

114 32.2 26.9 40.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.183 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.02 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

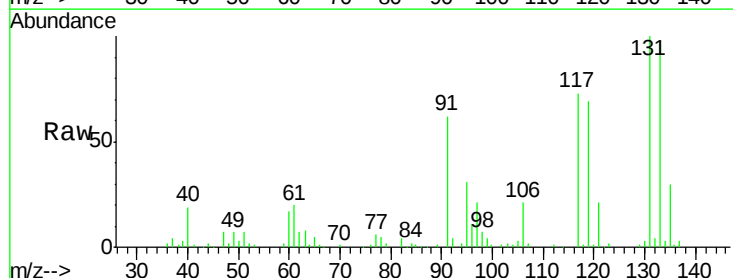
Tgt Ion:131 Resp: 121089

Ion Ratio Lower Upper

131 100

133 96.5 48.0 144.2

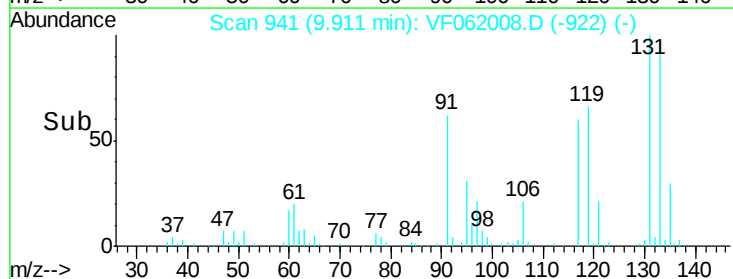
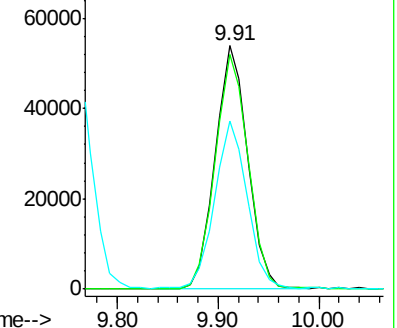
119 69.2 35.9 107.7

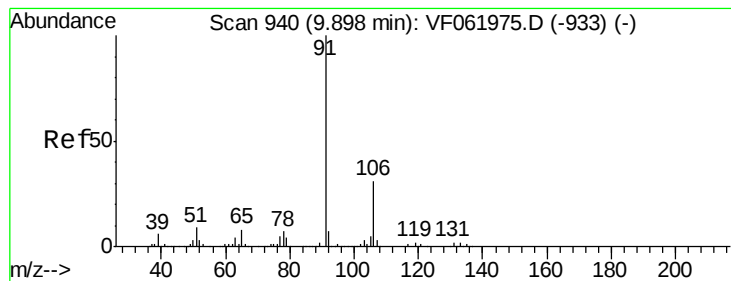


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 41.705 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.02 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

Instrument :

MSVOA_F

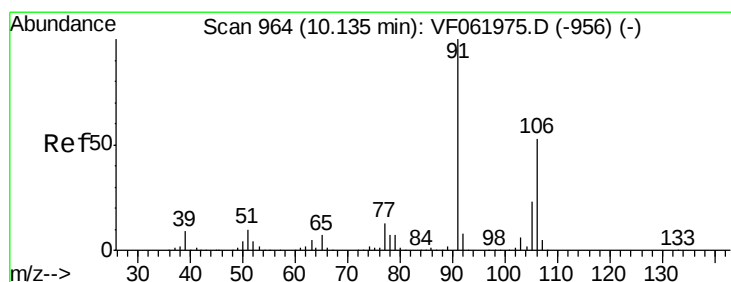
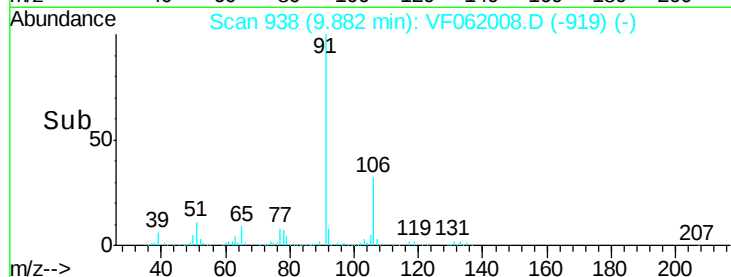
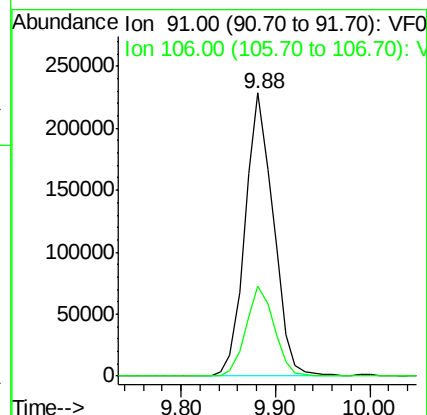
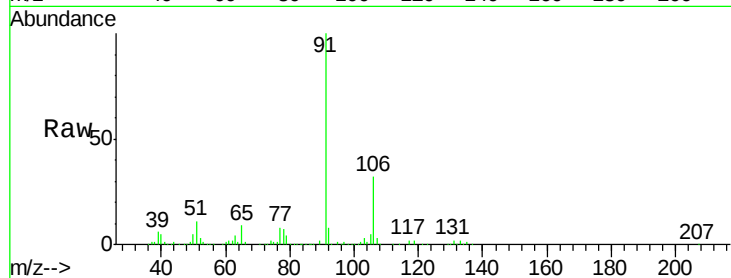
ClientSampleId :

Tot Ion: 91 Resp: 472777

Ion Ratio Lower Upper

91 100

106 31.7 24.4 36.6



#68

m/p-Xylenes

Concen: 82.887 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.02 min

Lab File: VF062008.D

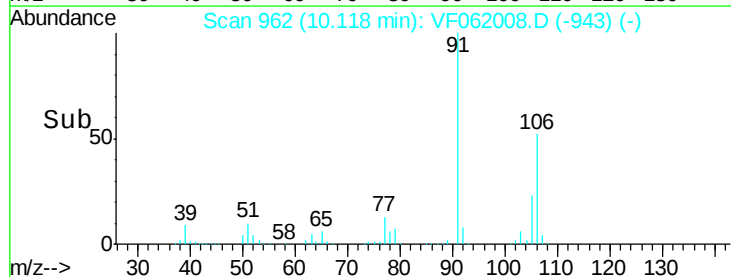
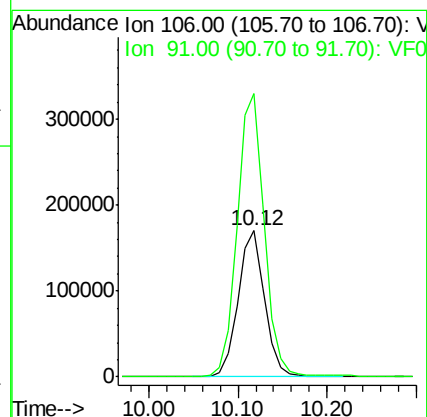
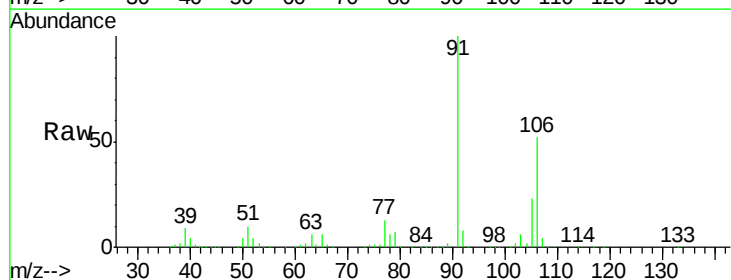
Acq: 18 Mar 2019 20:50

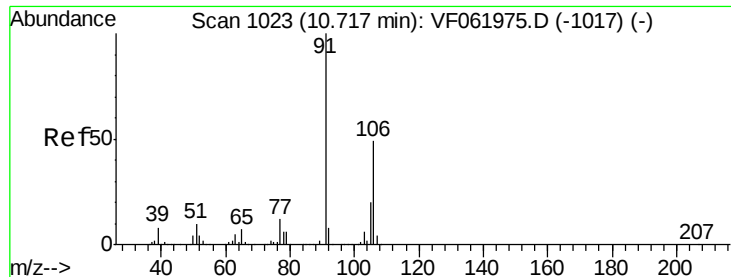
Tgt Ion: 106 Resp: 353406

Ion Ratio Lower Upper

106 100

91 193.4 151.9 227.9

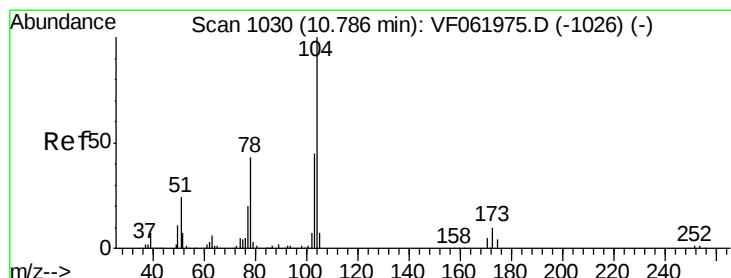
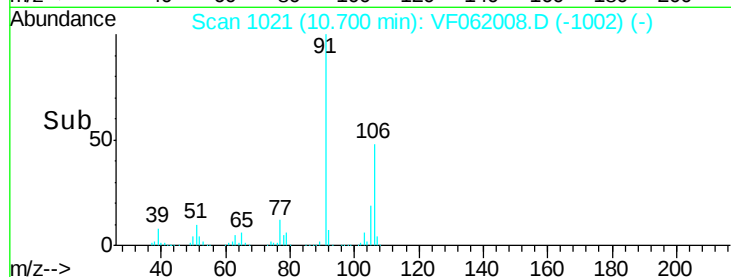
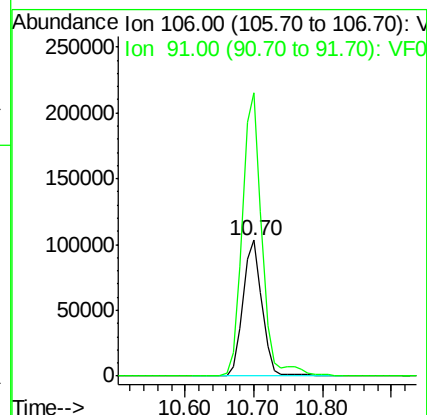
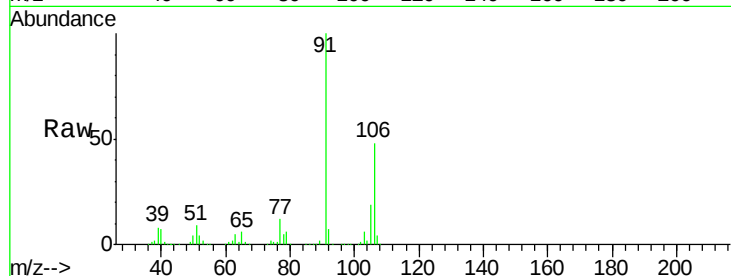




#69
o-Xylene
Concen: 43.536 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

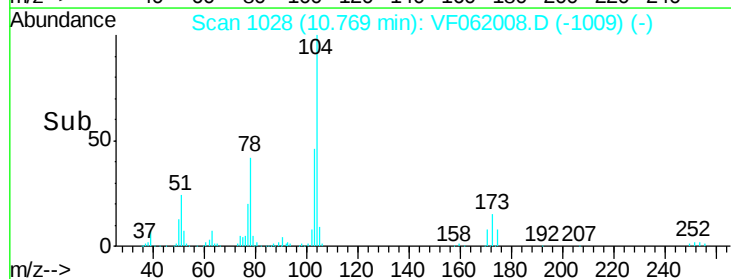
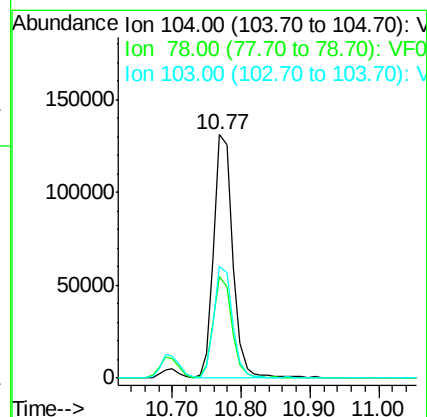
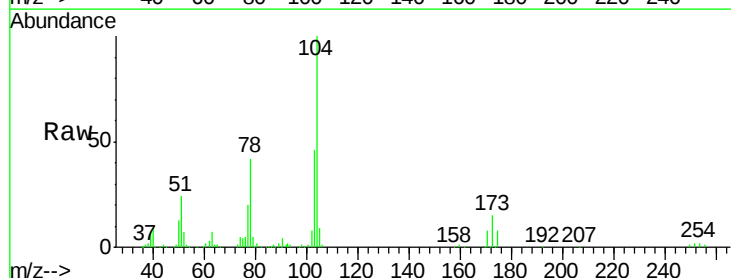
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:106 Resp: 198621
Ion Ratio Lower Upper
106 100
91 208.0 102.3 306.8



#70
Styrene
Concen: 40.133 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

Tgt Ion:104 Resp: 253665
Ion Ratio Lower Upper
104 100
78 41.9 34.7 52.1
103 45.8 36.6 54.8





#71

Bromoform

Concen: 45.192 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.02 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

Instrument :

MSVOA_F

ClientSampled :

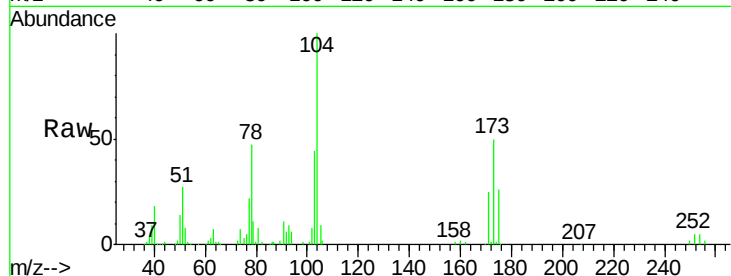
Tot Ion:173 Resp: 58664

Ion Ratio Lower Upper

173 100

175 52.2 23.7 71.1

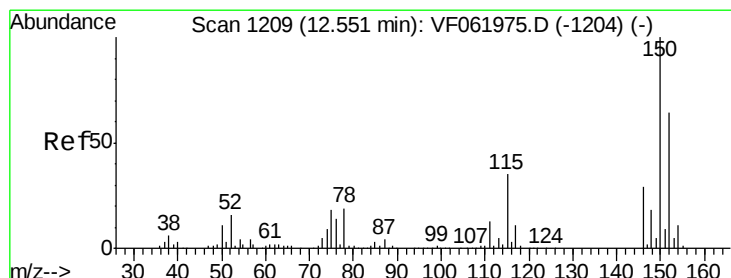
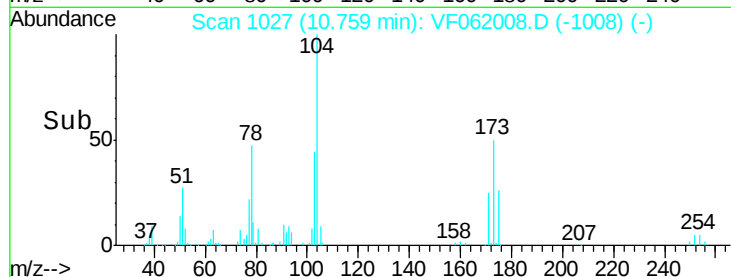
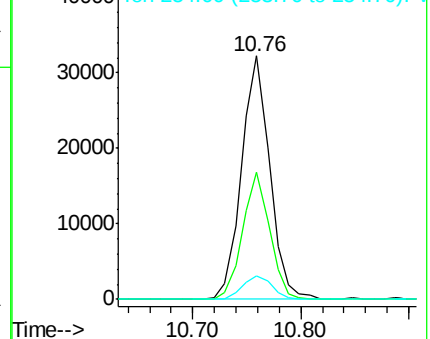
254 9.4 7.8 11.8



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

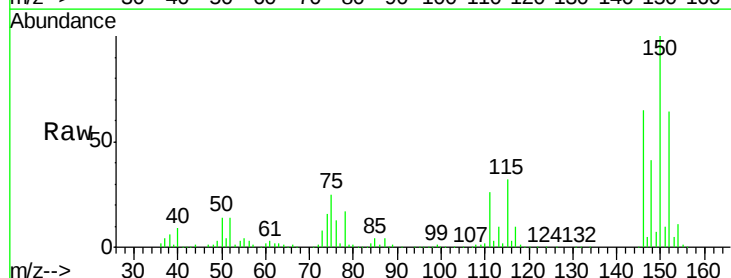
Tgt Ion:152 Resp: 178231

Ion Ratio Lower Upper

152 100

115 49.5 27.3 81.9

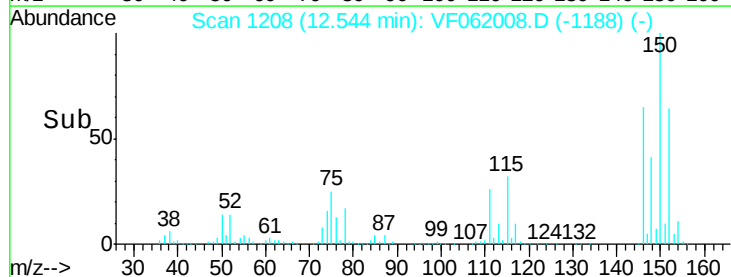
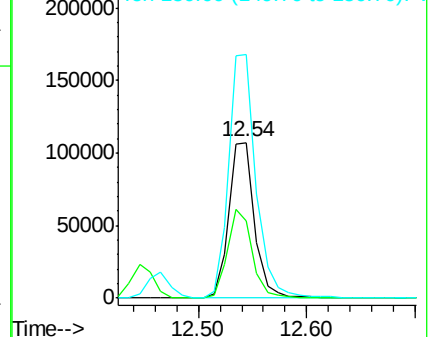
150 156.5 0.0 316.2

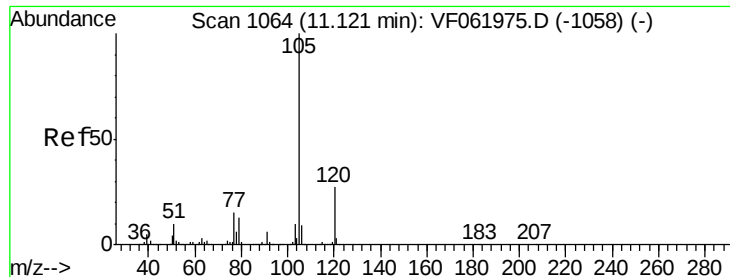


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 45.219 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

Instrument :

MSVOA_F

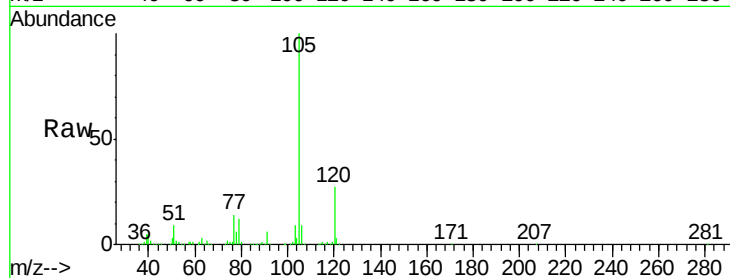
ClientSampleId :

Tot Ion:105 Resp: 556798

Ion Ratio Lower Upper

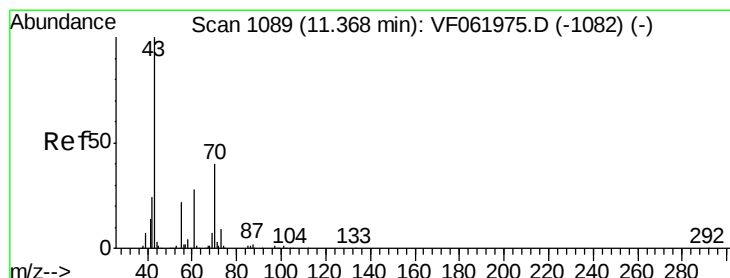
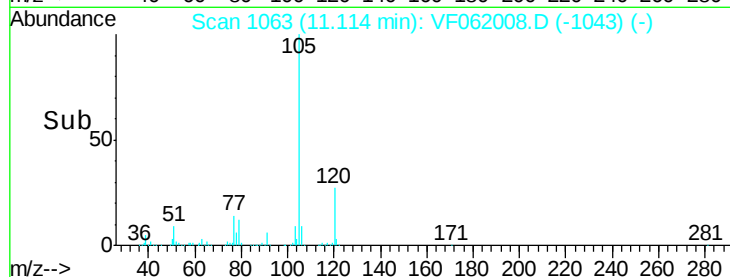
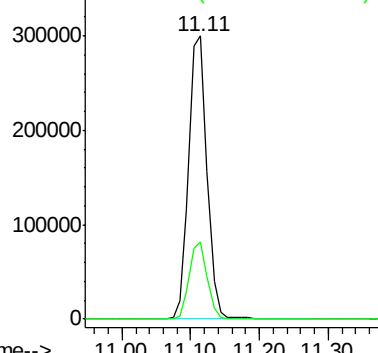
105 100

120 27.4 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.677 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

Tgt Ion: 43 Resp: 140160

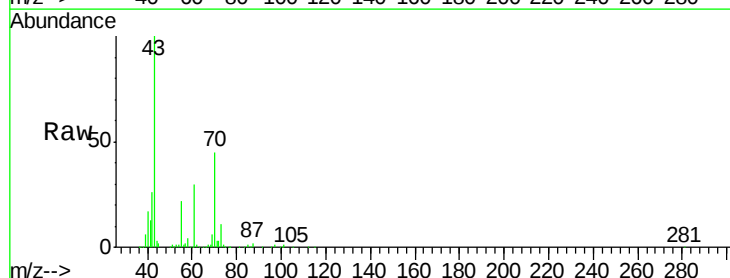
Ion Ratio Lower Upper

43 100

70 45.1 31.9 47.9

55 22.3 17.9 26.9

61 30.2 22.2 33.2

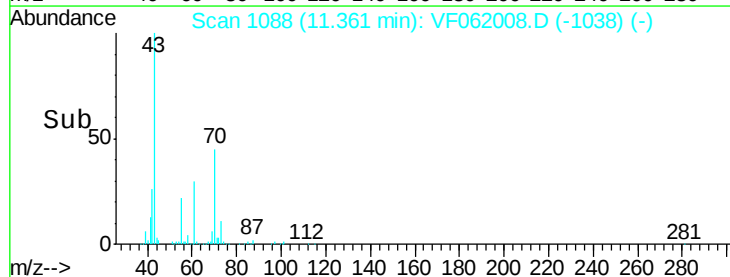
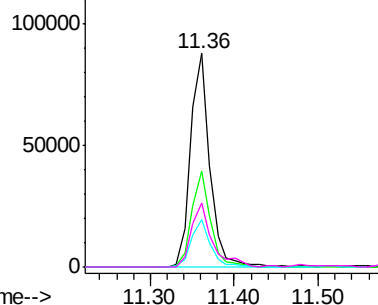


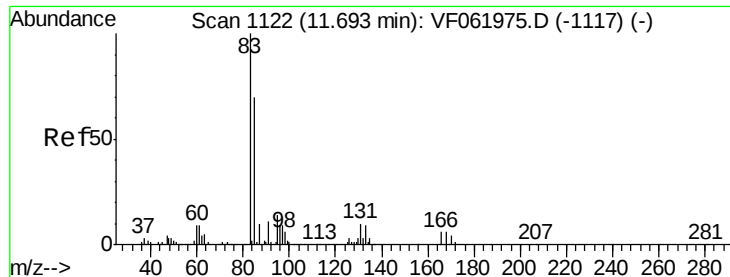
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.385 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

Instrument :

MSVOA_F

ClientSampleId :

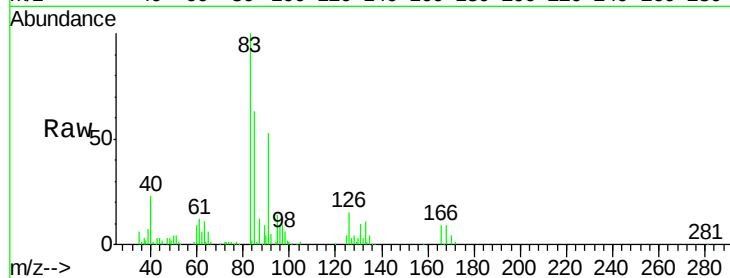
Tot Ion: 83 Resp: 96307

Ion Ratio Lower Upper

83 100

131 10.5 4.9 14.7

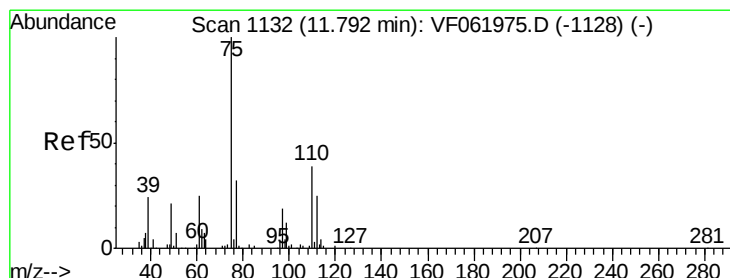
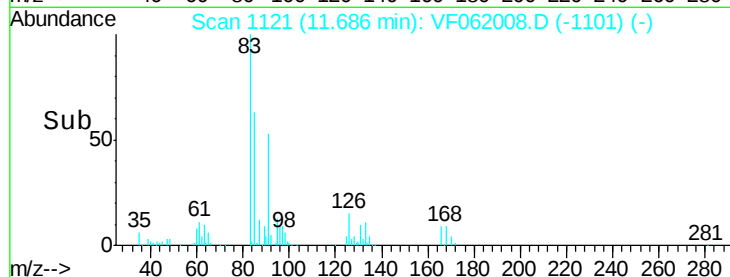
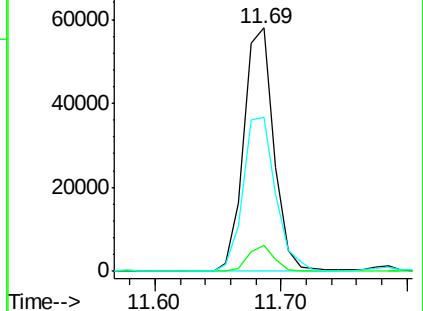
85 63.2 35.3 105.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 47.274 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF062008.D

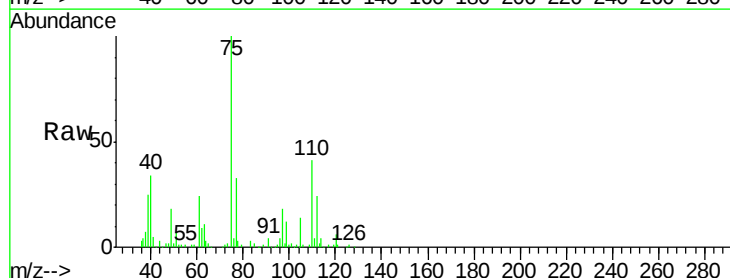
Acq: 18 Mar 2019 20:50

Tgt Ion: 75 Resp: 67186

Ion Ratio Lower Upper

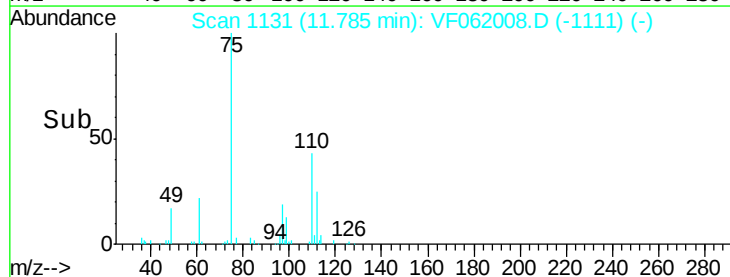
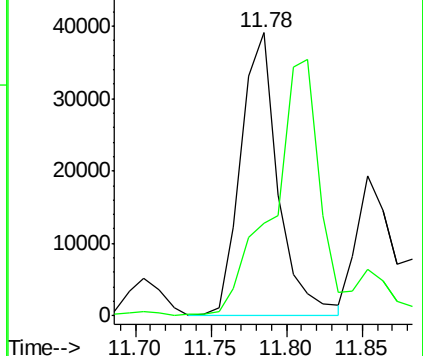
75 100

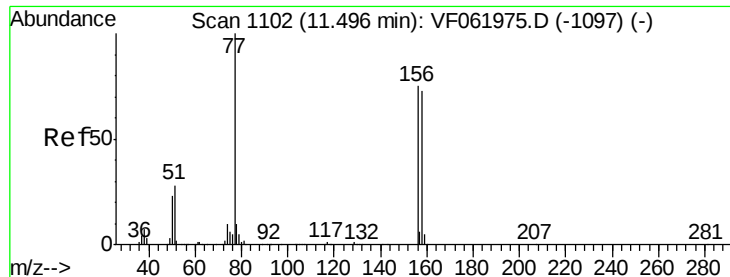
77 32.6 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 45.900 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.02 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

Instrument :

MSVOA_F

ClientSampleId :

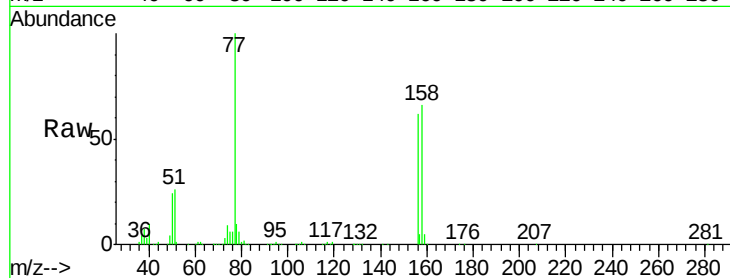
Tot Ion:156 Resp: 130886

Ion Ratio Lower Upper

156 100

77 160.7 67.0 201.0

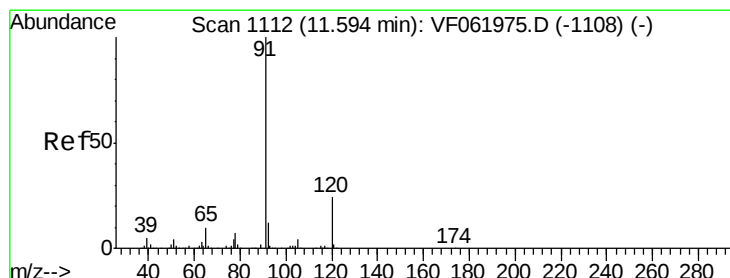
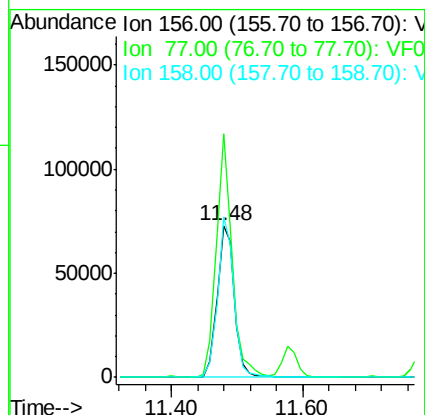
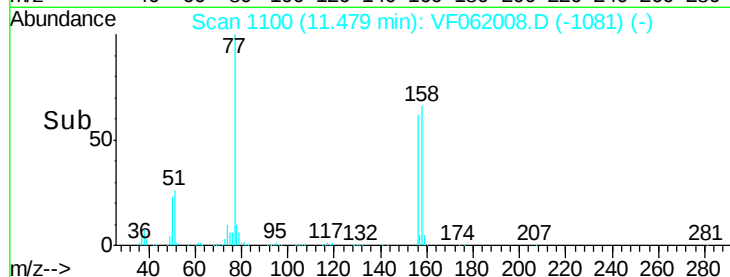
158 105.7 48.9 146.7



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: 45.913 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VF062008.D

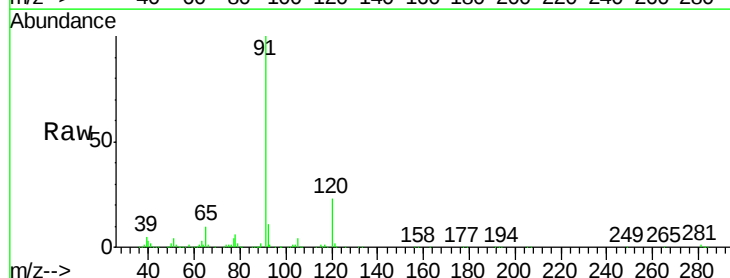
Acq: 18 Mar 2019 20:50

Tgt Ion: 91 Resp: 650055

Ion Ratio Lower Upper

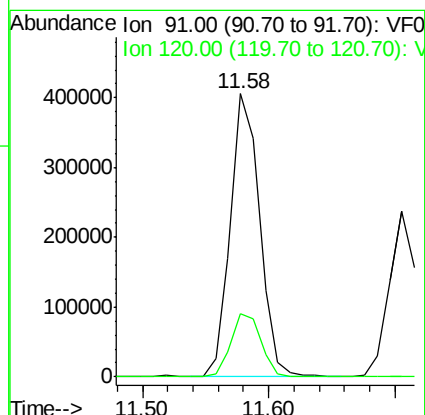
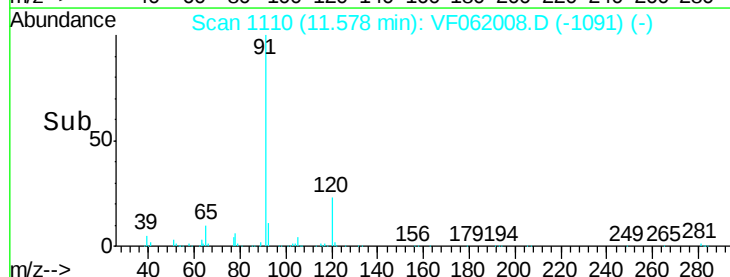
91 100

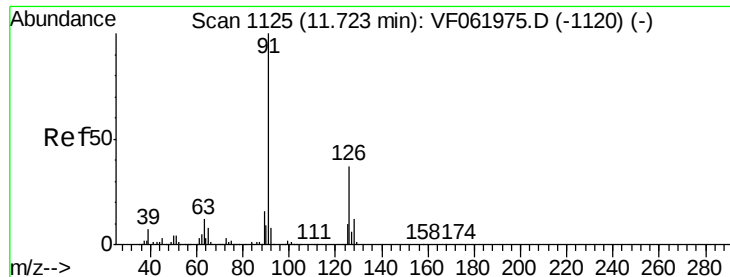
120 22.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.384 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

Instrument :

MSVOA_F

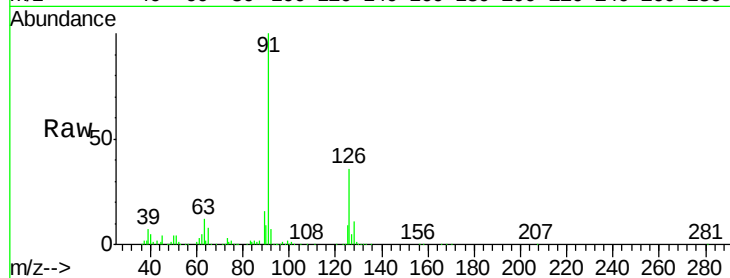
ClientSampleId :

Tot Ion: 91 Resp: 362700

Ion Ratio Lower Upper

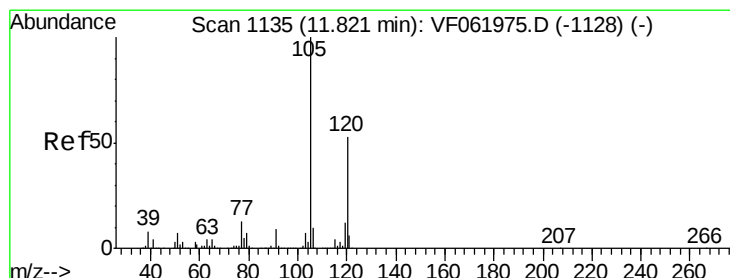
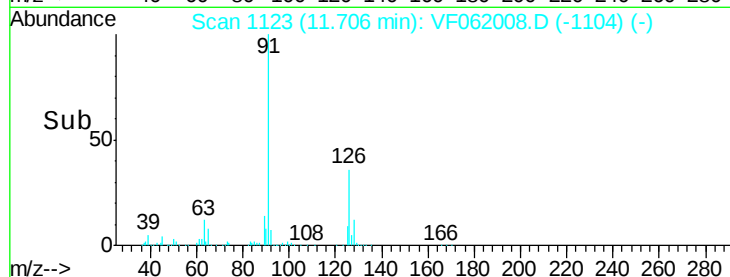
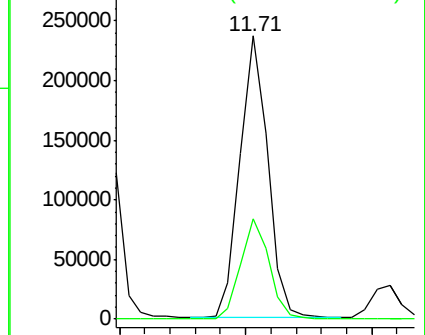
91 100

126 35.7 18.4 55.2



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: 44.593 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF062008.D

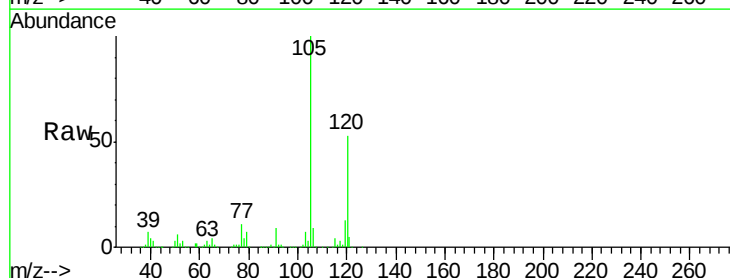
Acq: 18 Mar 2019 20:50

Tgt Ion: 105 Resp: 443539

Ion Ratio Lower Upper

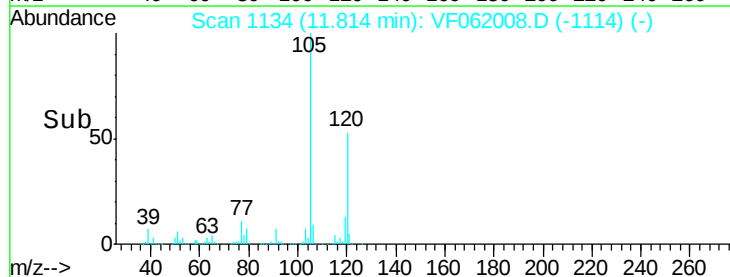
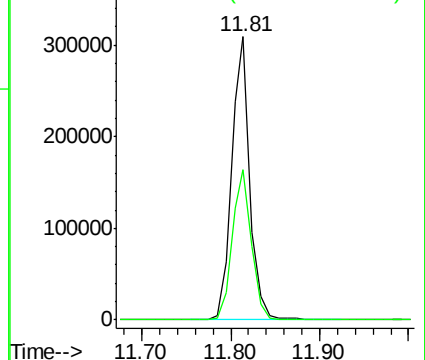
105 100

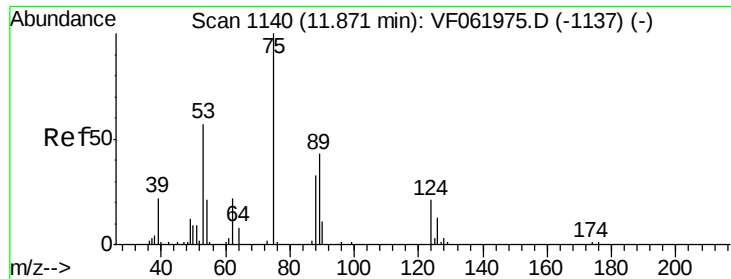
120 53.3 26.6 79.7



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: 62.517 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.02 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

Instrument :

MSVOA_F

ClientSampleId :

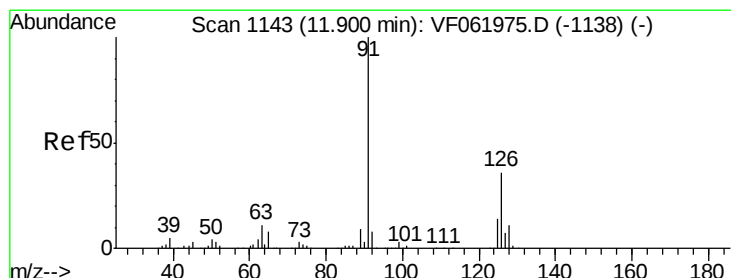
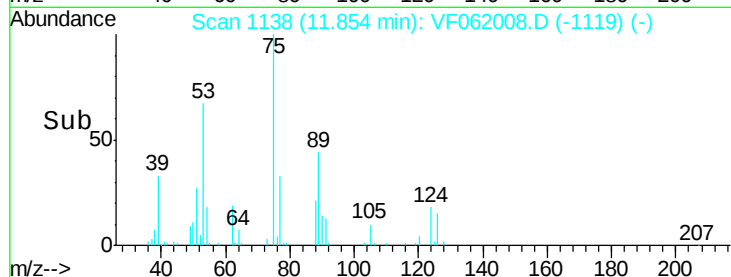
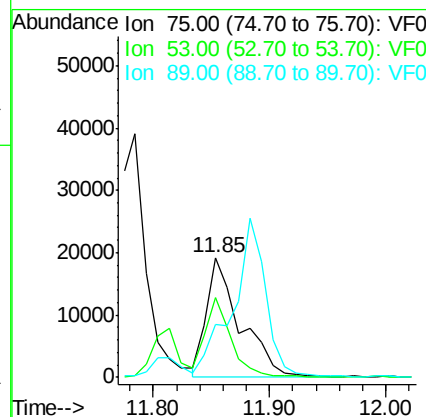
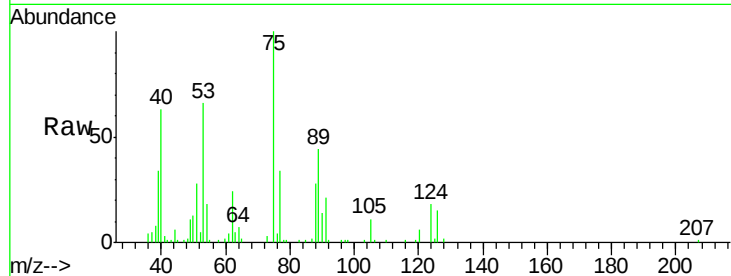
Tot Ion: 75 Resp: 39306

Ion Ratio Lower Upper

75 100

53 66.5 49.0 73.6

89 43.8 37.1 55.7



#82

4-Chlorotoluene

Concen: 46.751 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF062008.D

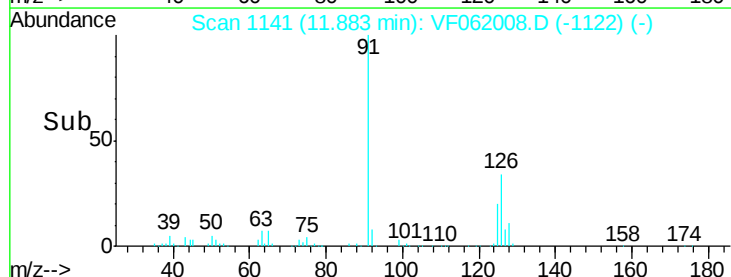
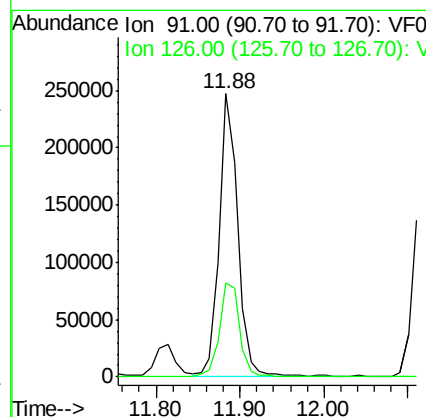
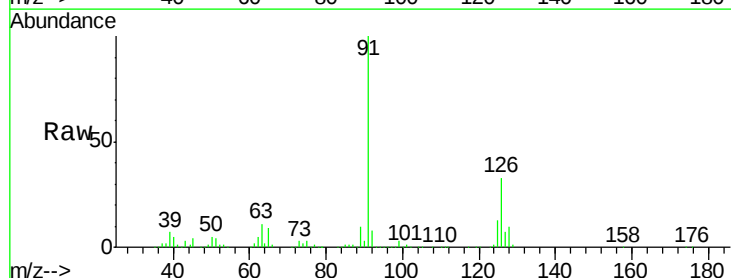
Acq: 18 Mar 2019 20:50

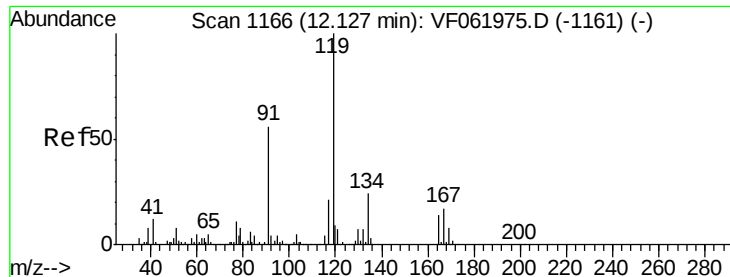
Tgt Ion: 91 Resp: 377827

Ion Ratio Lower Upper

91 100

126 33.1 18.1 54.1





#83

tert-Butylbenzene

Concen: 48.710 ug/l

RT: 12.12 min Scan# 1165

Delta R.T. -0.01 min

Lab File: VF062008.D

Acq: 18 Mar 2019 20:50

Instrument :

MSVOA_F

ClientSampled :

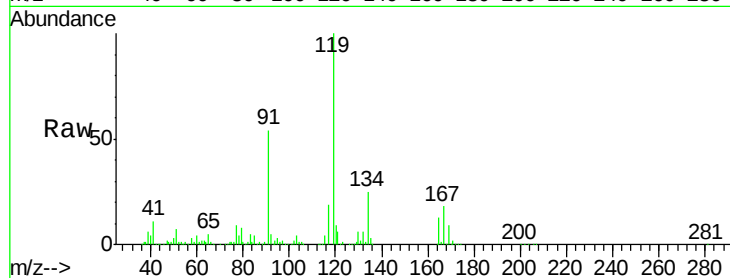
Tot Ion:119 Resp: 506688

Ion Ratio Lower Upper

119 100

91 53.7 27.9 83.6

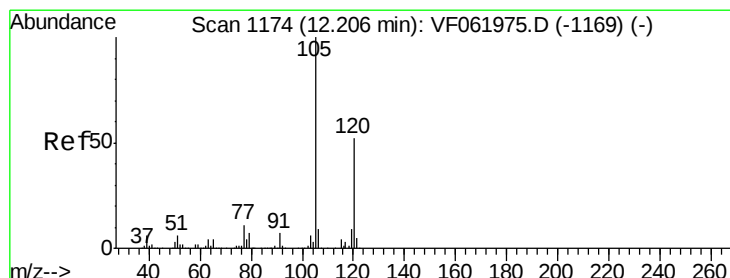
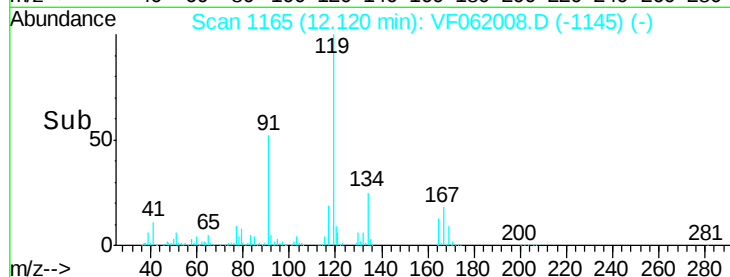
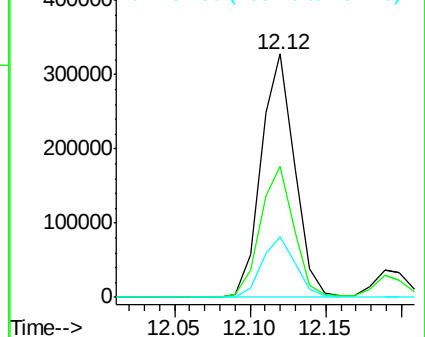
134 24.8 12.3 36.8



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: 46.016 ug/l

RT: 12.19 min Scan# 1172

Delta R.T. -0.02 min

Lab File: VF062008.D

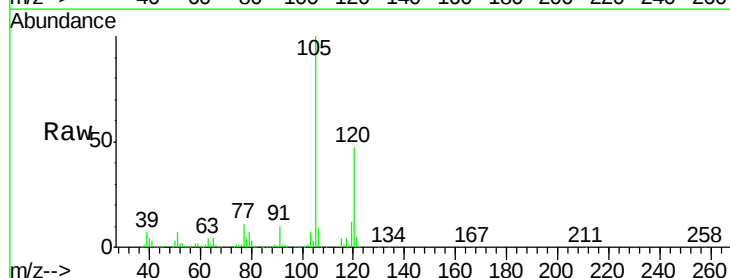
Acq: 18 Mar 2019 20:50

Tgt Ion:105 Resp: 458447

Ion Ratio Lower Upper

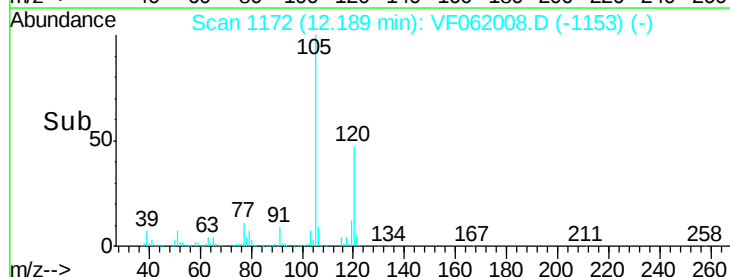
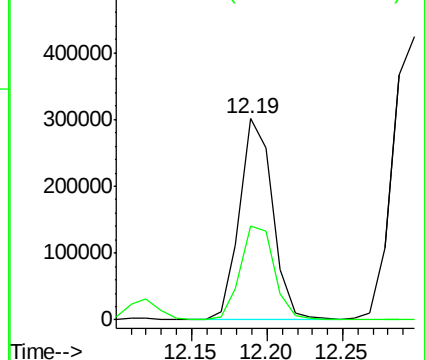
105 100

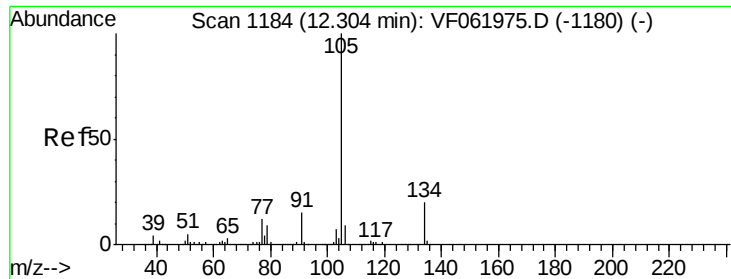
120 46.9 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

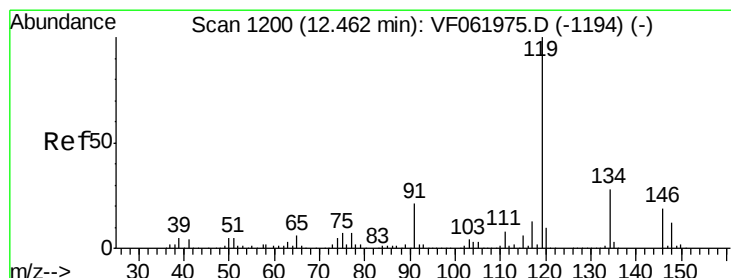
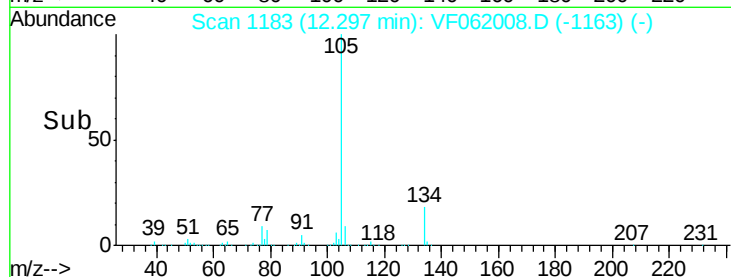
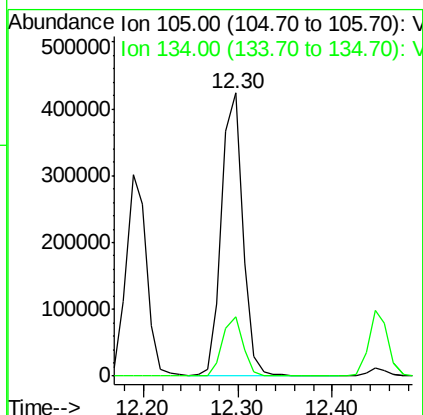
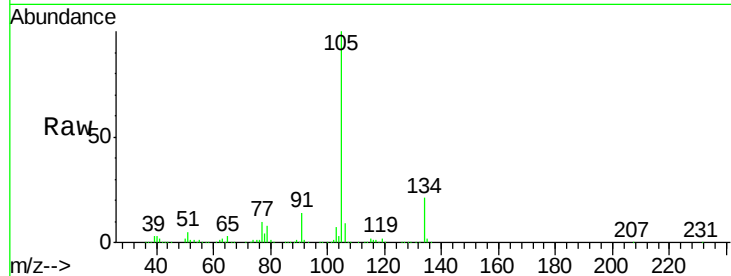




#85
 sec-Butylbenzene
 Concen: 47.071 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF062008.D
 Acq: 18 Mar 2019 20:50

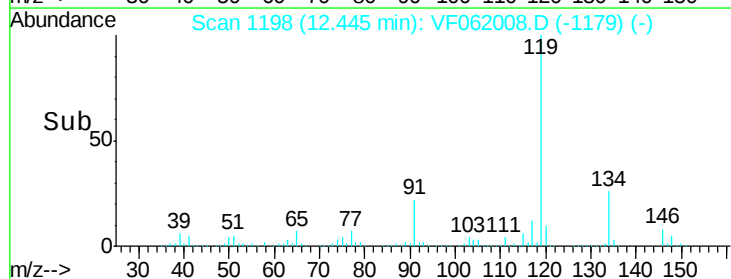
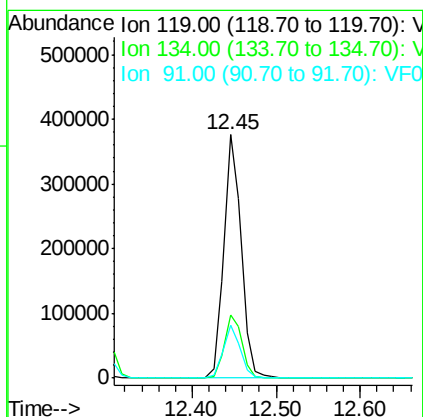
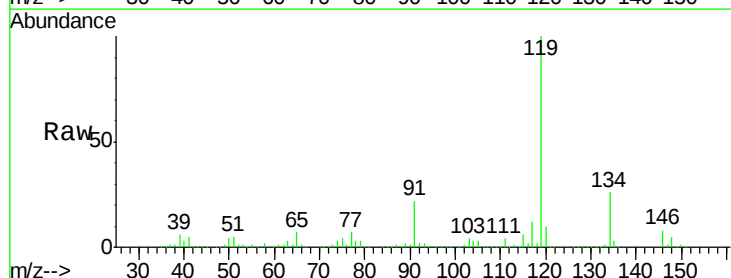
Instrument :
 MSVOA_F
 ClientSampled :

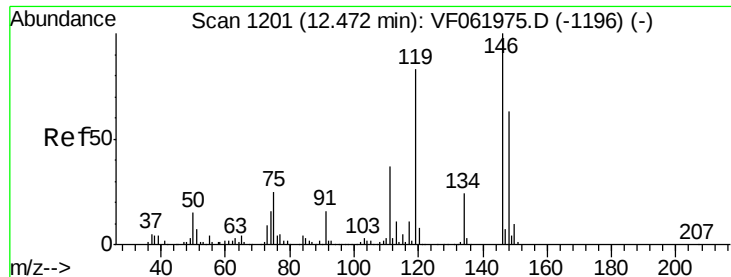
Tot Ion:105 Resp: 661547
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 46.005 ug/l
 RT: 12.45 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: VF062008.D
 Acq: 18 Mar 2019 20:50

Tgt Ion:119 Resp: 539521
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.9 41.7
 91 21.9 10.4 31.1

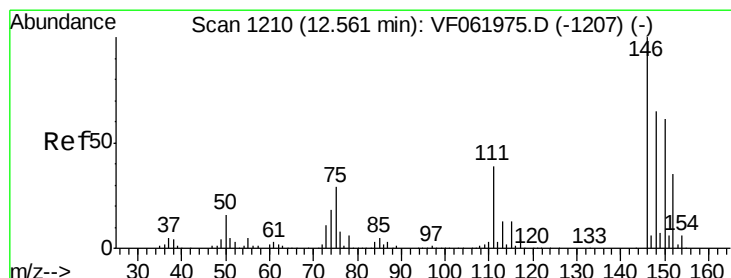
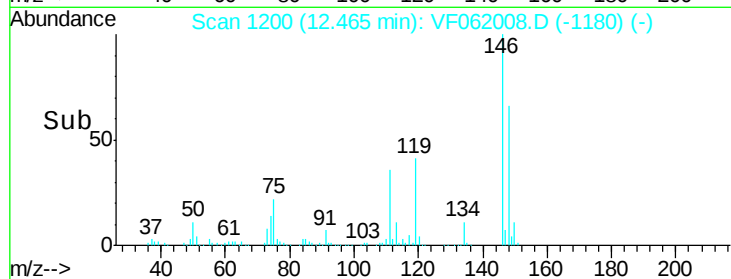
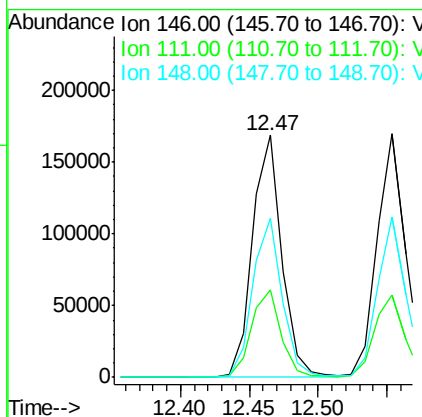
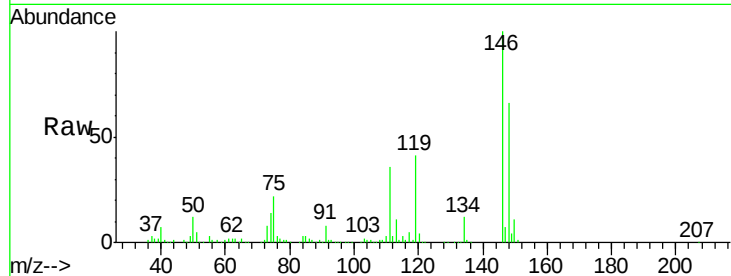




#87
 1,3-Dichlorobenzene
 Concen: 44.996 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF062008.D
 Acq: 18 Mar 2019 20:50

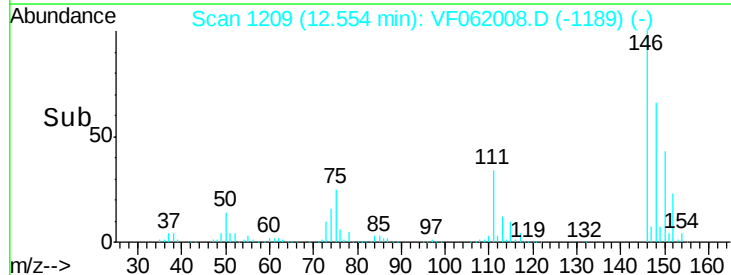
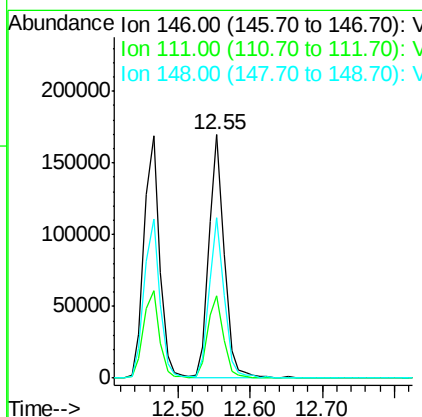
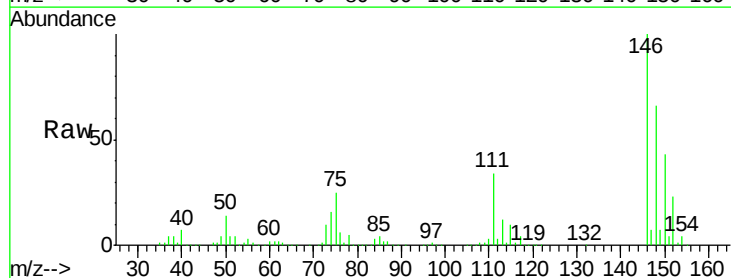
Instrument :
 MSVOA_F
 ClientSampled :

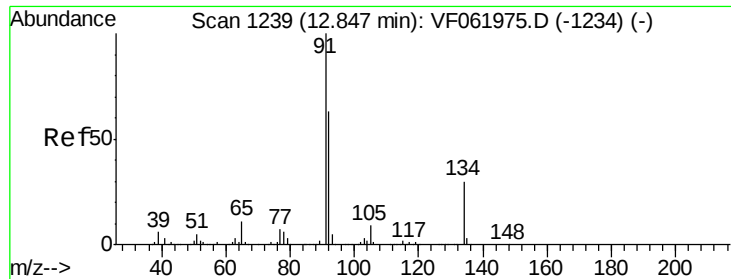
Tot Ion:146 Resp: 252173
 Ion Ratio Lower Upper
 146 100
 111 35.9 18.6 55.8
 148 65.6 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 46.342 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF062008.D
 Acq: 18 Mar 2019 20:50

Tgt Ion:146 Resp: 249980
 Ion Ratio Lower Upper
 146 100
 111 33.6 19.4 58.1
 148 66.0 32.4 97.0

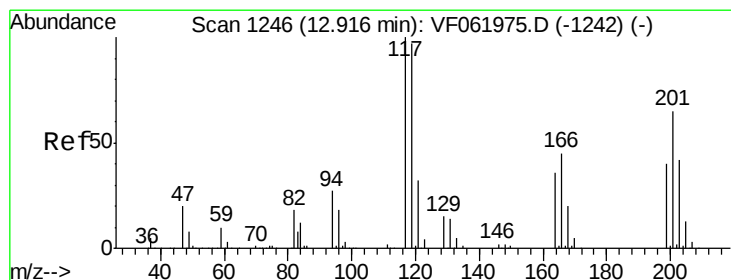
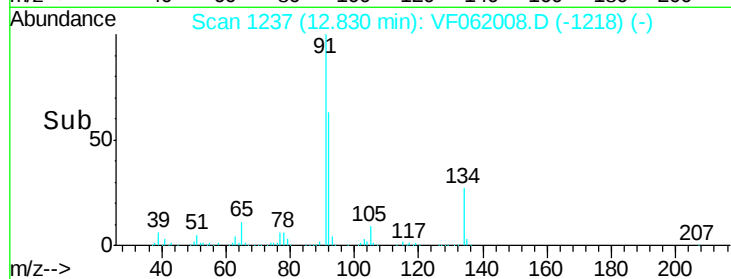
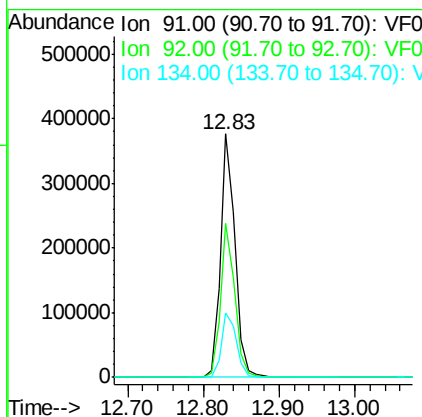
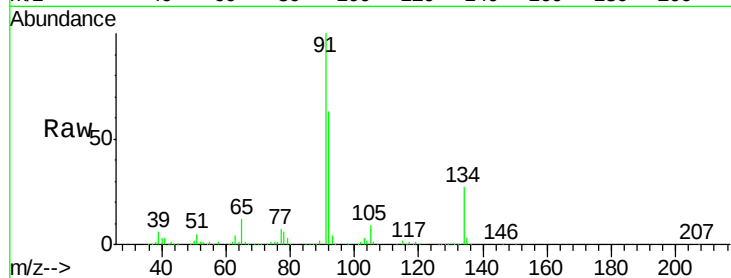




#89
n-Butylbenzene
Concen: 46.227 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

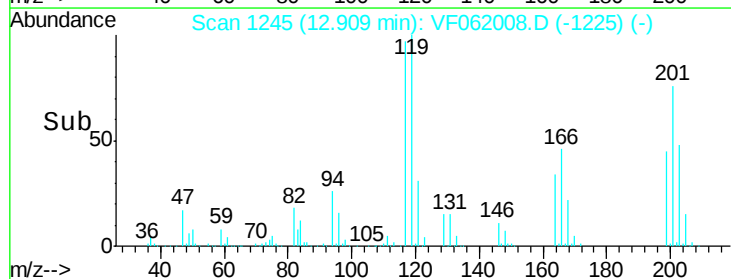
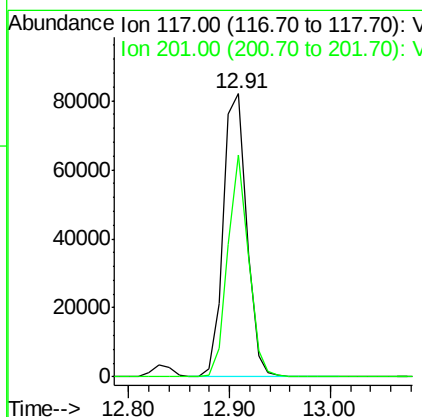
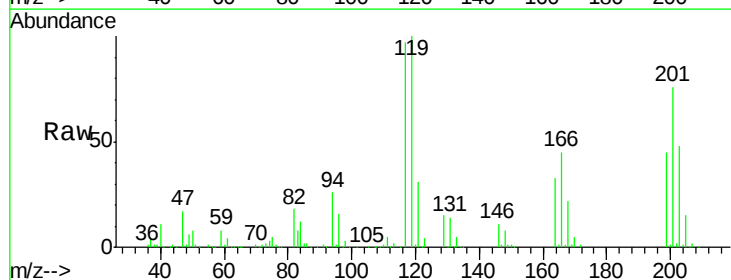
Instrument :
MSVOA_F
ClientSampleId :

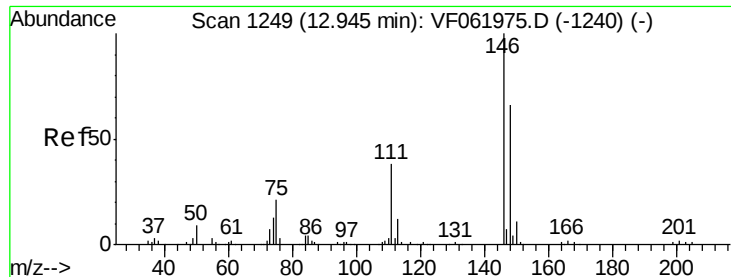
Tot Ion: 91 Resp: 509409
Ion Ratio Lower Upper
91 100
92 63.4 31.7 95.1
134 26.7 15.1 45.3



#90
Hexachloroethane
Concen: 50.057 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

Tgt Ion: 117 Resp: 133969
Ion Ratio Lower Upper
117 100
201 78.5 32.5 97.5

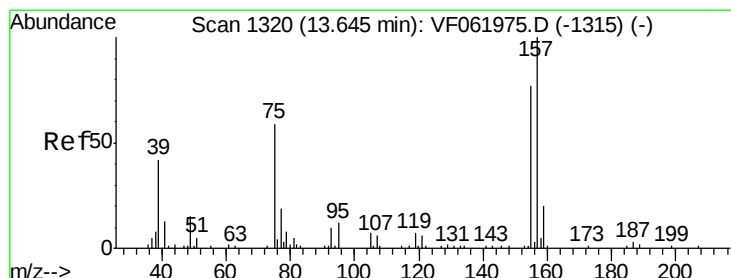
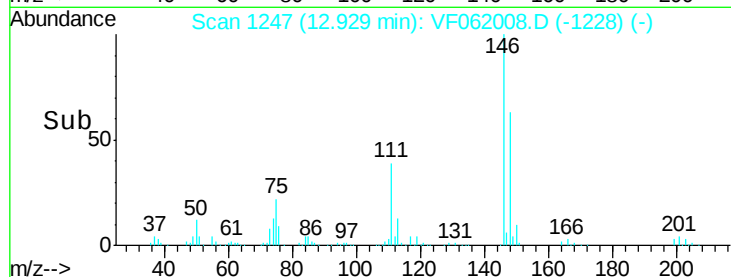
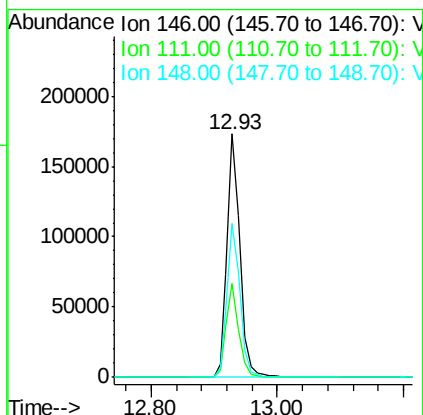
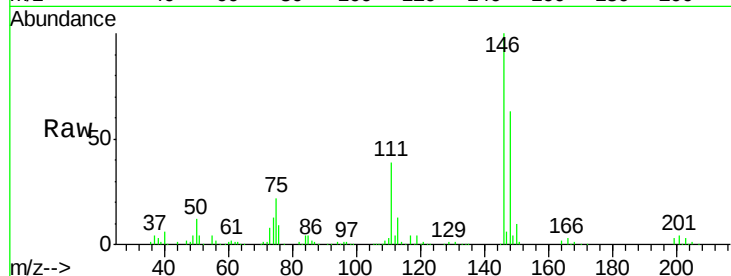




#91
 1,2-Dichlorobenzene
 Concen: 47.696 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: VF062008.D
 Acq: 18 Mar 2019 20:50

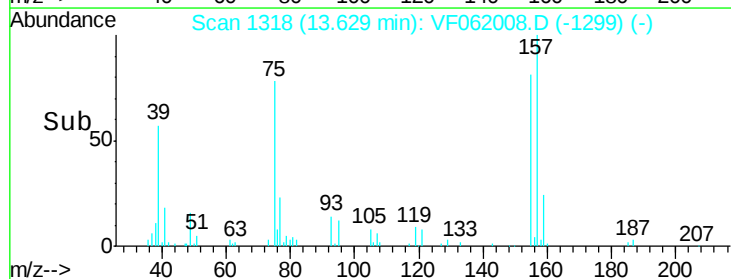
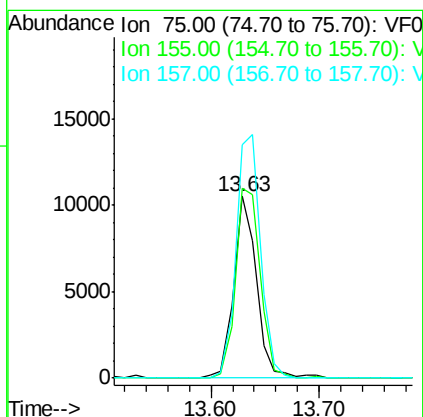
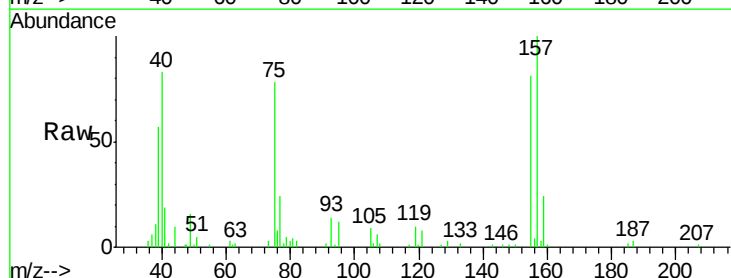
Instrument :
 MSVOA_F
 ClientSampleId :

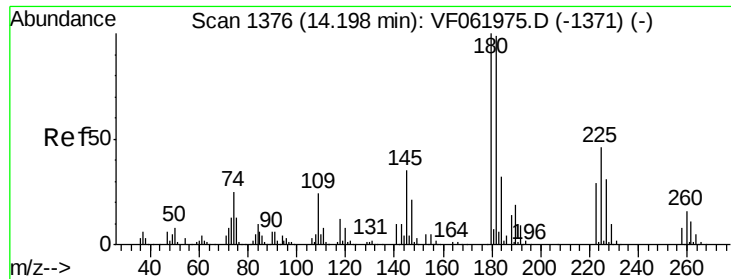
Tot Ion:146 Resp: 247578
 Ion Ratio Lower Upper
 146 100
 111 38.8 18.9 56.5
 148 63.0 32.9 98.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.521 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: VF062008.D
 Acq: 18 Mar 2019 20:50

Tgt Ion: 75 Resp: 15499
 Ion Ratio Lower Upper
 75 100
 155 104.3 65.0 195.1
 157 128.7 84.7 254.0

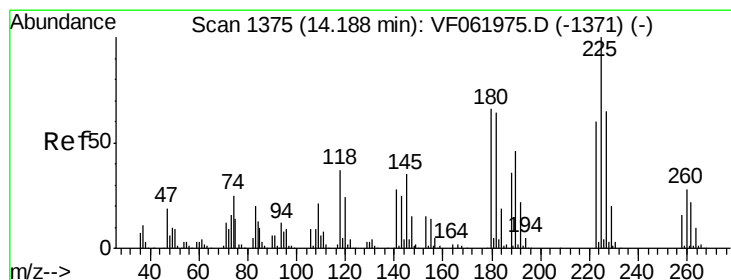
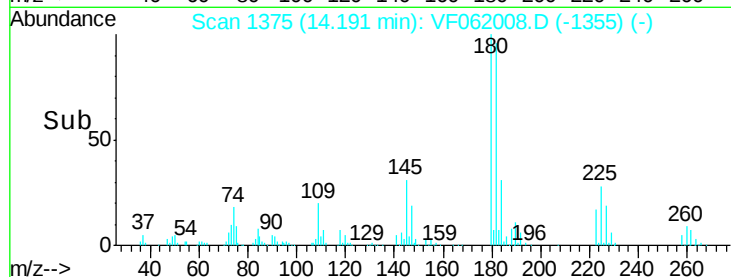
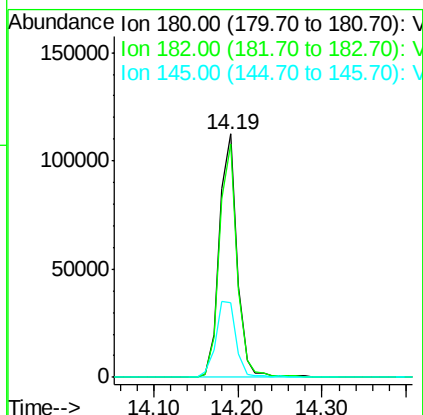
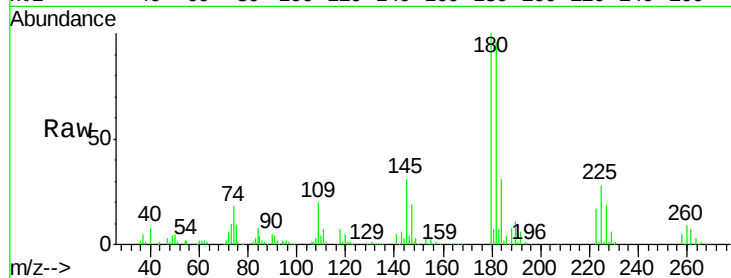




#93
 1,2,4-Trichlorobenzene
 Concen: 45.741 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF062008.D
 Acq: 18 Mar 2019 20:50

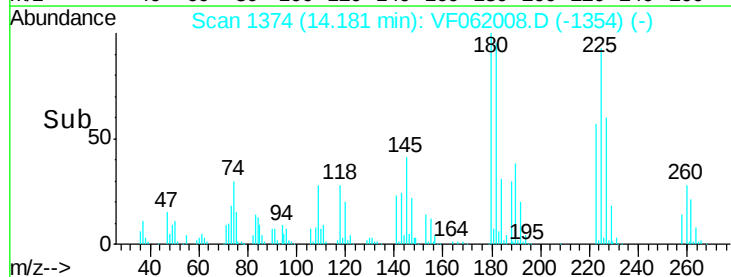
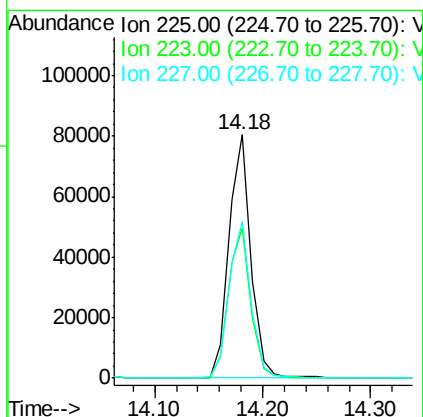
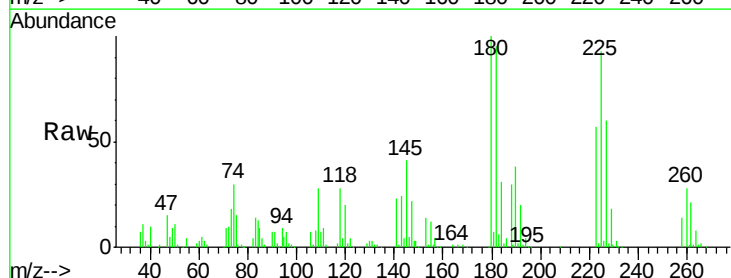
Instrument :
 MSVOA_F
 ClientSampleId :

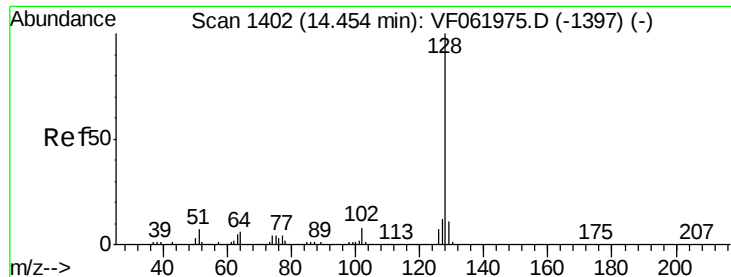
Tot Ion:180 Resp: 165339
 Ion Ratio Lower Upper
 180 100
 182 95.7 49.6 149.0
 145 30.6 17.5 52.5



#94
 Hexachlorobutadiene
 Concen: 47.234 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF062008.D
 Acq: 18 Mar 2019 20:50

Tgt Ion:225 Resp: 113345
 Ion Ratio Lower Upper
 225 100
 223 61.5 29.9 89.7
 227 64.5 32.4 97.2

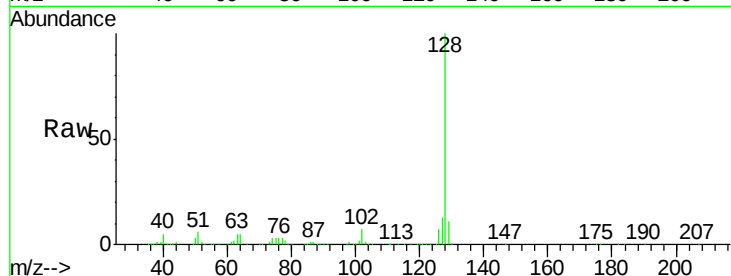




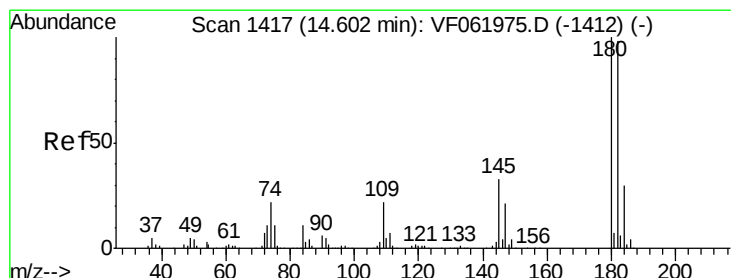
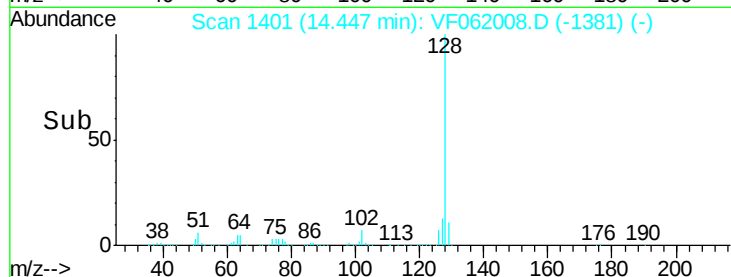
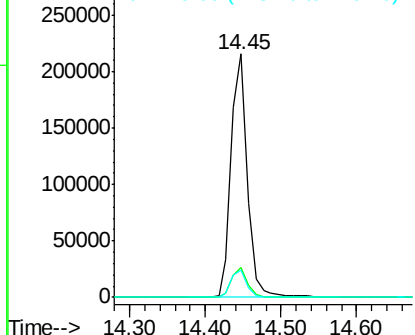
#95
Naphthalene
Concen: 49.011 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.01 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	9.3	13.9
129	11.3	9.1	13.7

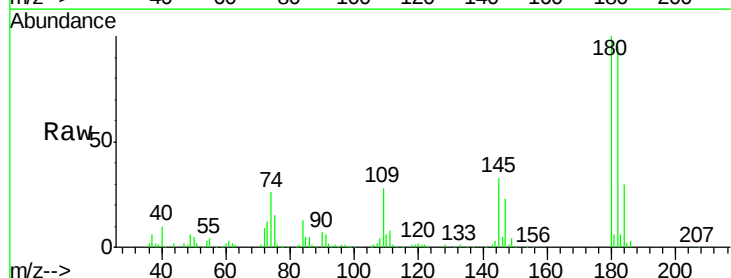


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 47.709 ug/l
RT: 14.59 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF062008.D
Acq: 18 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.9	146.8
145	33.3	16.7	50.1



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

