

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041819\
 Data File : VF062198.D
 Acq On : 18 Apr 2019 11:04
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 19 01:14:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 07:43:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	495131	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	764779	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	586570	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	306259	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	242782	53.48	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.96%	
35) Dibromofluoromethane	4.30	113	323481	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
50) Toluene-d8	7.70	98	853701	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	11.49	95	343653	52.75	ug/l	0.01
Spiked Amount	50.000		Recovery	=	105.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	360165	47.866	ug/l	98
3) Chloromethane	1.14	50	388140	49.907	ug/l	99
4) Vinyl Chloride	1.18	62	341801	51.154	ug/l	98
5) Bromomethane	1.38	94	202648	52.208	ug/l	94
6) Chloroethane	1.43	64	149283	53.444	ug/l	98
7) Trichlorofluoromethane	1.55	101	430887	50.761	ug/l	91
8) Diethyl Ether	1.71	74	87128	49.317	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.90	101	289079	49.850	ug/l	99
10) Methyl Iodide	1.97	142	521301	50.603	ug/l	92
11) Tert butyl alcohol	2.69	59	70567	223.605	ug/l	95
12) 1,1-Dichloroethene	1.86	96	271841	49.286	ug/l	99
13) Acrolein	2.09	56	43267	313.138	ug/l	98
14) Allyl chloride	2.19	41	351614	55.549	ug/l #	90
15) Acrylonitrile	3.09	53	217039	225.799	ug/l	99
16) Acetone	2.35	43	316908	292.027	ug/l	97
17) Carbon Disulfide	1.91	76	805350	52.547	ug/l	99
18) Methyl Acetate	2.46	43	122566	52.751	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	483721	49.672	ug/l	97
20) Methylene Chloride	2.33	84	175424	30.468	ug/l	94
21) trans-1,2-Dichloroethene	2.42	96	270425	49.579	ug/l	98
22) Diisopropyl ether	2.93	45	796386	49.185	ug/l	99
23) Vinyl Acetate	3.34	43	1866390	241.934	ug/l	99
24) 1,1-Dichloroethane	3.01	63	454200	51.279	ug/l	97
25) 2-Butanone	4.52	43	555889	256.181	ug/l	100
26) 2,2-Dichloropropane	3.77	77	218214	48.797	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	342798	48.532	ug/l	97
28) Bromochloromethane	3.89	49	206052	48.563	ug/l #	96
29) Tetrahydrofuran	4.26	42	227685	231.817	ug/l	97
30) Chloroform	4.04	83	531350	48.813	ug/l	100
31) Cyclohexane	3.88	56	508907	47.944	ug/l	100
32) 1,1,1-Trichloroethane	4.28	97	400144	50.219	ug/l #	90
36) 1,1-Dichloropropene	4.47	75	413609	45.108	ug/l	99
37) Ethyl Acetate	4.30	43	187494	43.333	ug/l #	100
38) Carbon Tetrachloride	4.18	117	476671	58.732	ug/l	98

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 QLast Update : Thu Apr 18 07:43:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	545337	49.673	ug/l	97
40) Benzene	4.81	78	1106944	46.026	ug/l	99
41) Methacrylonitrile	4.93	41	109686	43.948	ug/l	96
42) 1,2-Dichloroethane	5.13	62	295738	46.513	ug/l	99
43) Isopropyl Acetate	7.11	43	216477	47.570	ug/l	100
44) Trichloroethene	5.68	130	315860	48.602	ug/l	98
45) 1,2-Dichloropropane	6.40	63	257069	48.524	ug/l	98
46) Dibromomethane	6.25	93	164186	46.582	ug/l	96
47) Bromodichloromethane	6.55	83	378825	47.627	ug/l	96
48) Methyl methacrylate	6.87	41	142374	47.606	ug/l	97
49) 1,4-Dioxane	6.86	88	31363	914.416	ug/l	93
51) 4-Methyl-2-Pentanone	8.40	43	791166	233.743	ug/l	98
52) Toluene	7.77	92	603715	47.620	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	290532	48.632	ug/l	94
54) cis-1,3-Dichloropropene	7.45	75	391505	48.448	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	168444	47.429	ug/l	99
56) Ethyl methacrylate	8.75	69	194109	48.072	ug/l	96
57) 1,3-Dichloropropane	8.99	76	280778	48.959	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.44	63	289502	246.943	ug/l	100
59) 2-Hexanone	9.61	43	550535	260.820	ug/l	96
60) Dibromochloromethane	8.85	129	259167	49.068	ug/l	97
61) 1,2-Dibromoethane	9.13	107	190661	47.651	ug/l	98
64) Tetrachloroethene	8.30	164	260288	49.157	ug/l	98
65) Chlorobenzene	9.93	112	632149	50.542	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	272102	46.456	ug/l	99
67) Ethyl Benzene	10.03	91	1114607	49.008	ug/l	99
68) m/p-Xylenes	10.25	106	816662	97.543	ug/l	94
69) o-Xylene	10.81	106	454057	48.847	ug/l	99
70) Styrene	10.88	104	655996	50.008	ug/l	99
71) Bromoform	10.87	173	150467	48.656	ug/l #	100
73) Isopropylbenzene	11.21	105	1300471	49.433	ug/l	99
74) N-amyl acetate	11.45	43	336719	54.126	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.76	83	222848	49.256	ug/l	98
76) 1,2,3-Trichloropropane	11.86	75	150087	48.217	ug/l #	64
77) Bromobenzene	11.57	156	289765	51.416	ug/l	98
78) n-propylbenzene	11.66	91	1358777	48.961	ug/l	99
79) 2-Chlorotoluene	11.79	91	842390	50.039	ug/l	97
80) 1,3,5-Trimethylbenzene	11.89	105	1057881	48.280	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	93374	58.818	ug/l #	89
82) 4-Chlorotoluene	11.97	91	829066	50.959	ug/l	98
83) tert-Butylbenzene	12.19	119	1087490	47.994	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	1028980	48.529	ug/l	99
85) sec-Butylbenzene	12.36	105	1414499	48.084	ug/l	99
86) p-Isopropyltoluene	12.51	119	1203981	48.248	ug/l	99
87) 1,3-Dichlorobenzene	12.53	146	507758	48.552	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	500926	49.659	ug/l	99
89) n-Butylbenzene	12.89	91	1112090	54.675	ug/l	97
90) Hexachloroethane	12.97	117	314578	49.092	ug/l	96
91) 1,2-Dichlorobenzene	12.99	146	488859	48.411	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.68	75	39579	44.525	ug/l	87

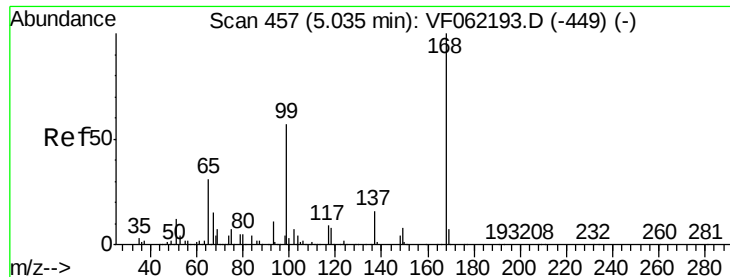
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041819\
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Quant Time: Apr 19 01:14:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 07:43:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	402800	47.674	ug/l	99
94) Hexachlorobutadiene	14.23	225	285044	49.201	ug/l	99
95) Naphthalene	14.49	128	718174	48.613	ug/l	100
96) 1,2,3-Trichlorobenzene	14.63	180	389545	48.025	ug/l	99

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

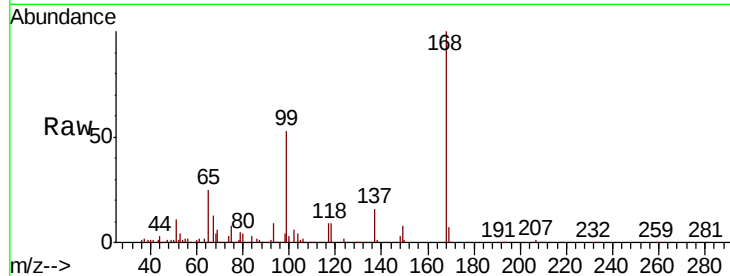


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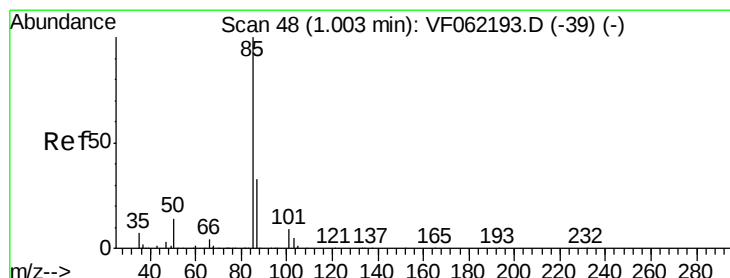
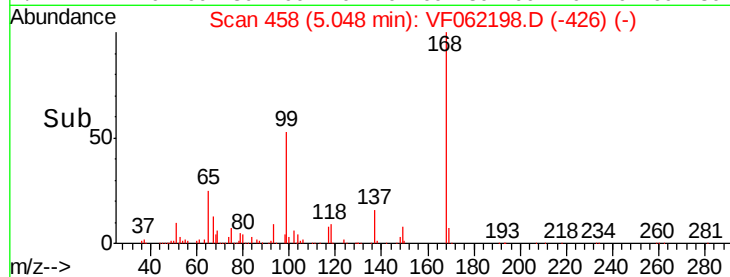
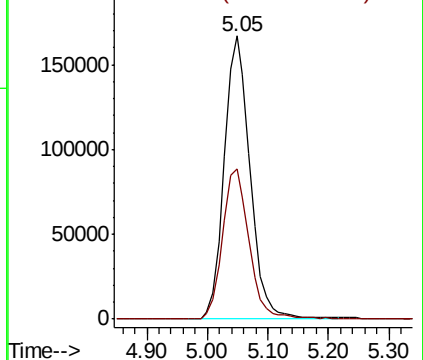
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.05 min Scan# 458
Delta R.T. 0.01 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 495131
Ion Ratio Lower Upper
168 100
99 52.9 45.5 68.3



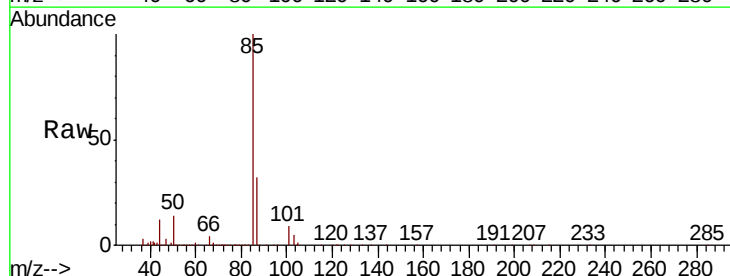
Abundance Ion 167.90 (167.60 to 168.60): VF0
Ion 98.90 (98.60 to 99.60): VF0



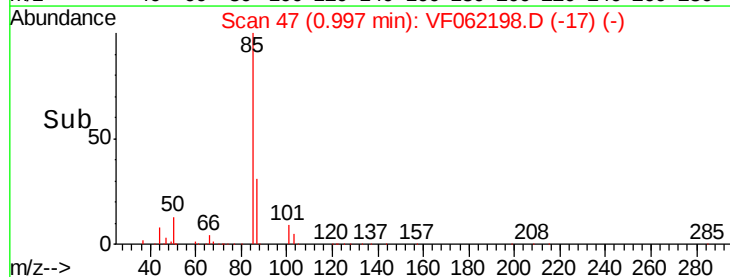
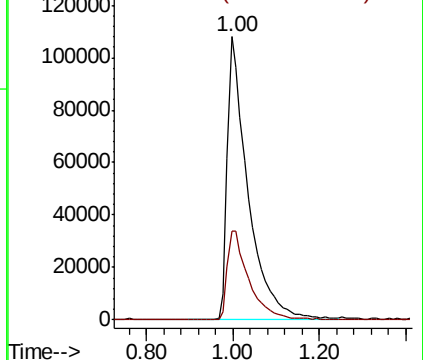
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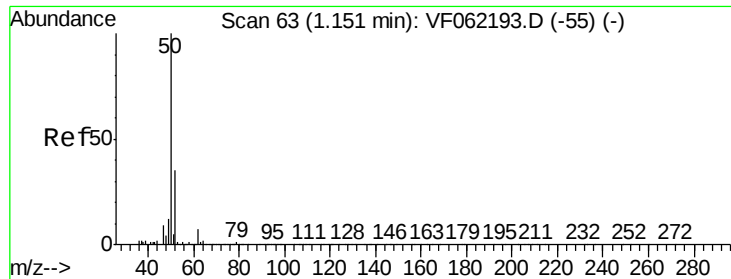
Dichlorodifluoromethane
Concen: 47.866 ug/l
RT: 1.00 min Scan# 47
Delta R.T. -0.01 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

Tgt Ion: 85 Resp: 360165
Ion Ratio Lower Upper
85 100
87 31.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VF0
Ion 86.90 (86.60 to 87.60): VF0





#3

Chloromethane

Concen: 49.907 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

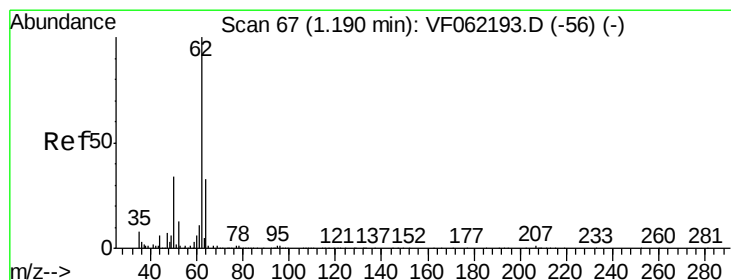
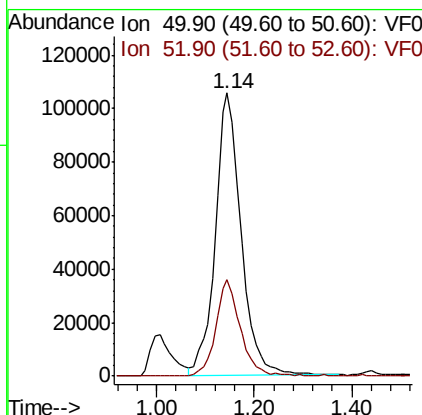
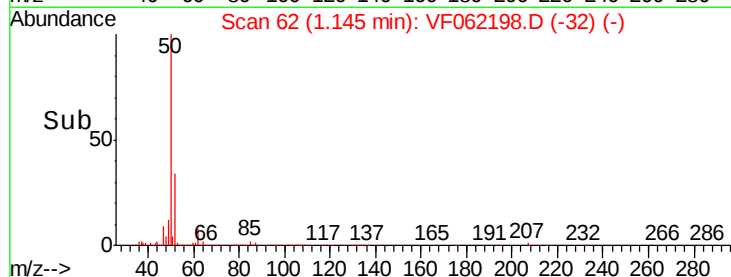
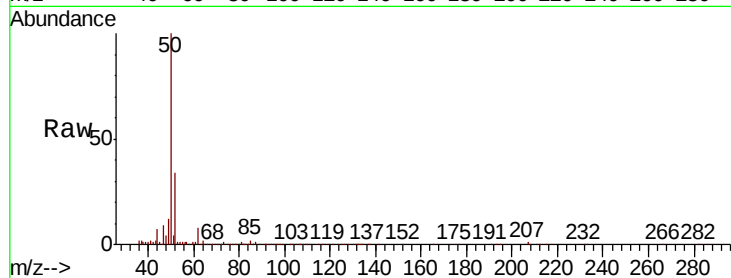
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 388140

Ion Ratio Lower Upper

50 100

52 34.2 27.0 40.4



#4

Vinyl Chloride

Concen: 51.154 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062198.D

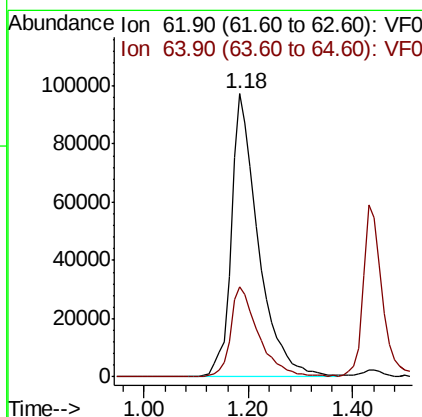
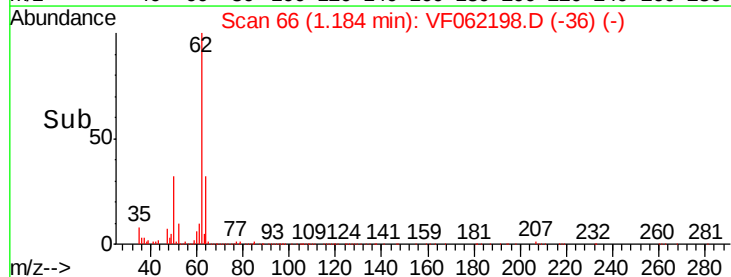
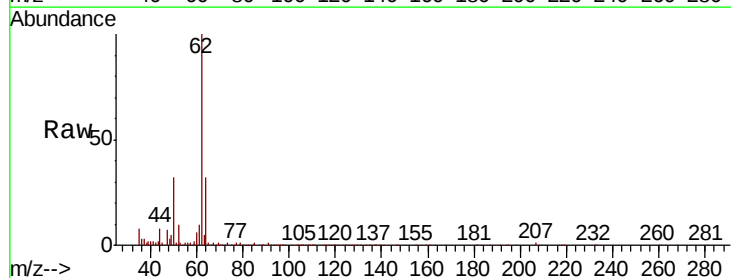
Acq: 18 Apr 2019 11:04

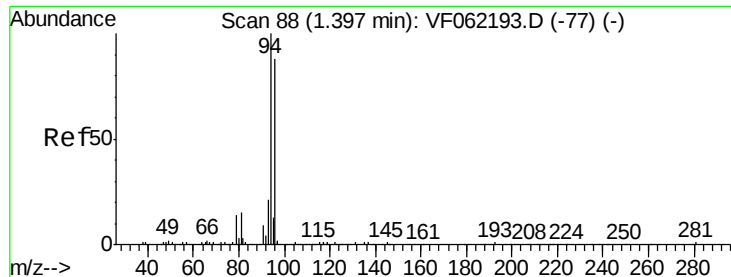
Tgt Ion: 62 Resp: 341801

Ion Ratio Lower Upper

62 100

64 31.5 26.2 39.4





#5

Bromomethane

Concen: 52.208 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

Instrument :

MSVOA_F

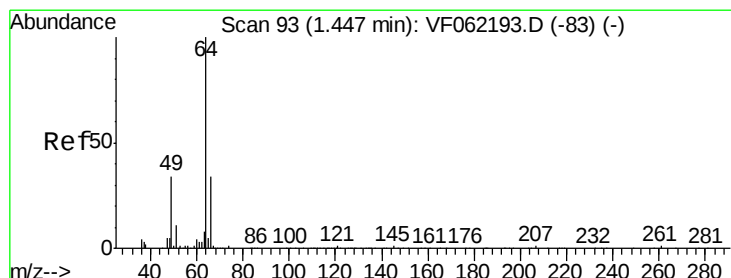
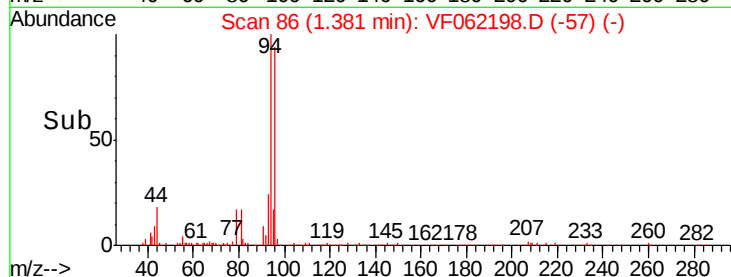
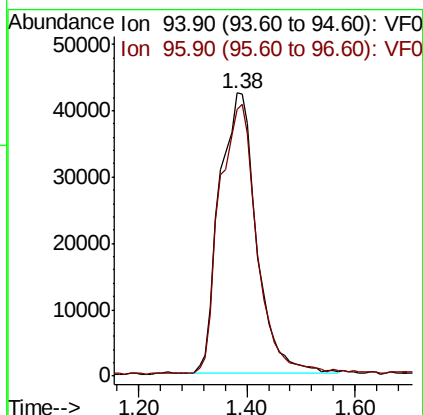
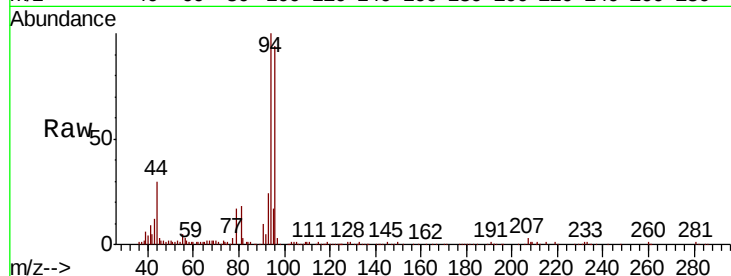
ClientSampled :

Tot Ion: 94 Resp: 202648

Ion Ratio Lower Upper

94 100

96 93.7 70.2 105.4



#6

Chloroethane

Concen: 53.444 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.02 min

Lab File: VF062198.D

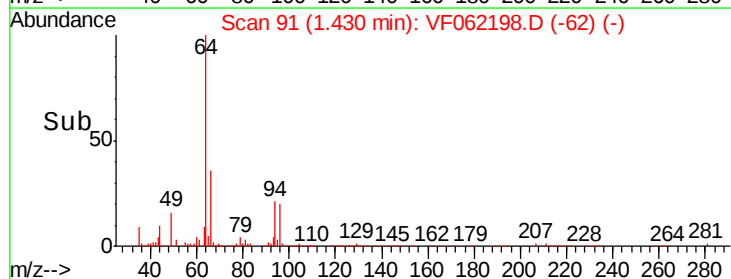
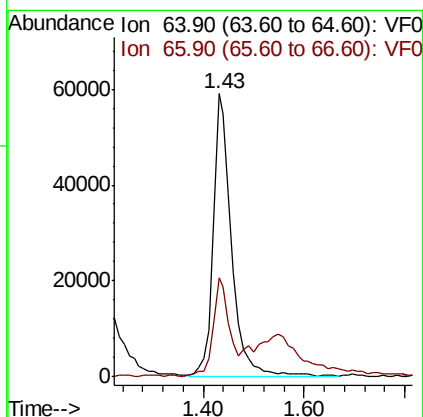
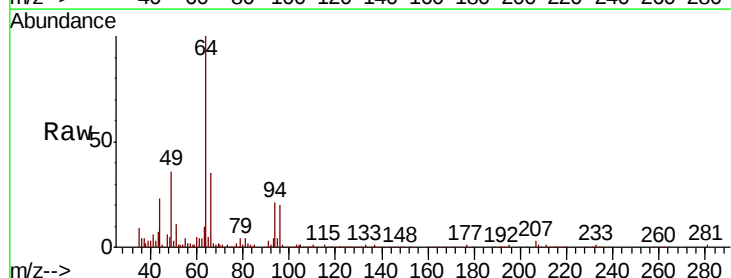
Acq: 18 Apr 2019 11:04

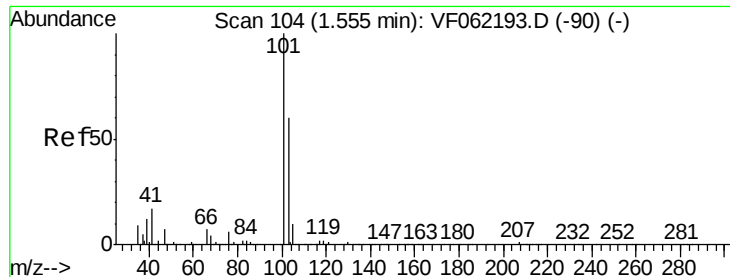
Tgt Ion: 64 Resp: 149283

Ion Ratio Lower Upper

64 100

66 34.7 27.0 40.4



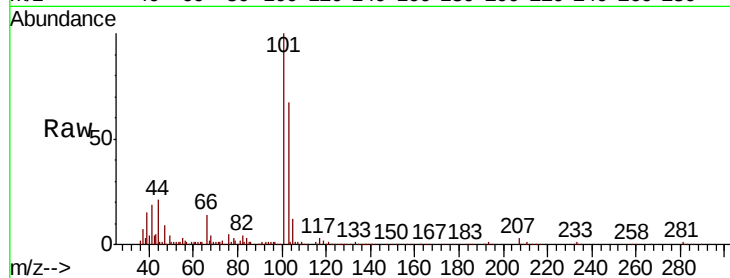


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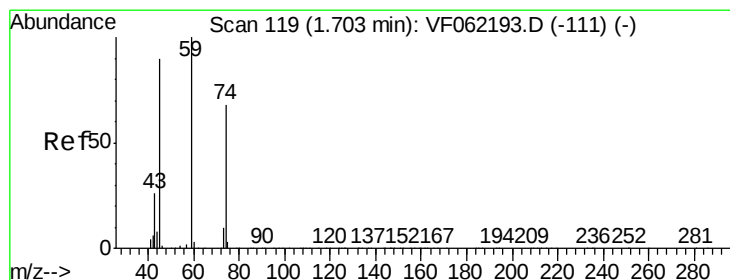
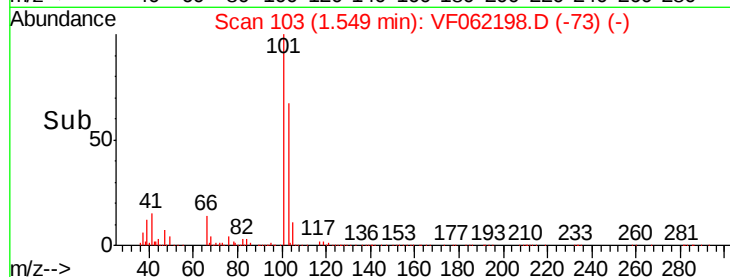
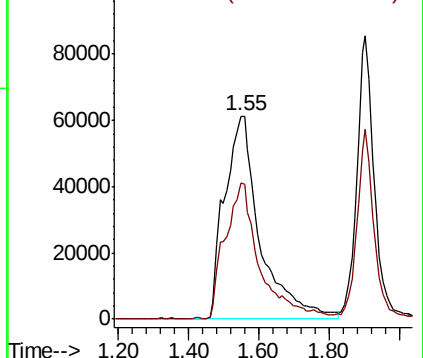
Trichlorofluoromethane
Concen: 50.761 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.01 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:101 Resp: 430887
Ion Ratio Lower Upper
101 100
103 67.2 48.2 72.4



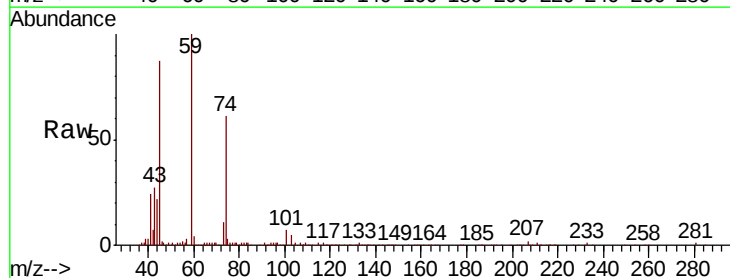
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



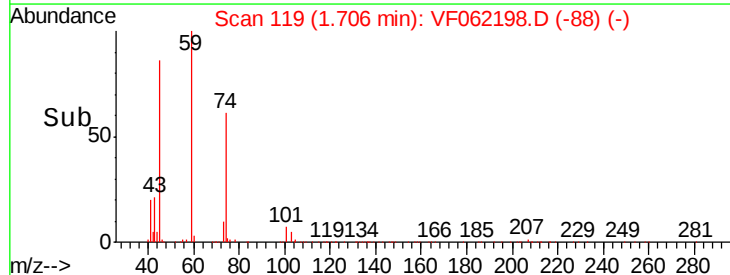
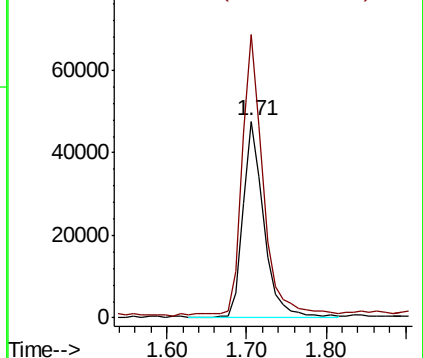
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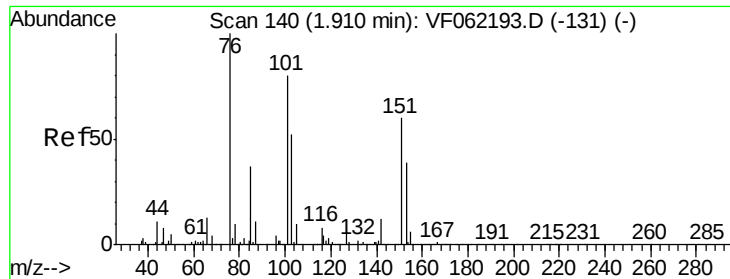
Diethyl Ether
Concen: 49.317 ug/l
RT: 1.71 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

Tgt Ion: 74 Resp: 87128
Ion Ratio Lower Upper
74 100
45 143.2 70.0 210.2



Abundance Ion 74.00 (73.70 to 74.70): VF0
Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.850 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

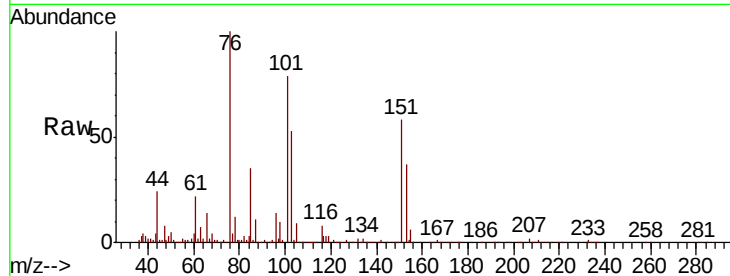
Tot Ion:101 Resp: 289079

Ion Ratio Lower Upper

101 100

85 43.9 35.3 52.9

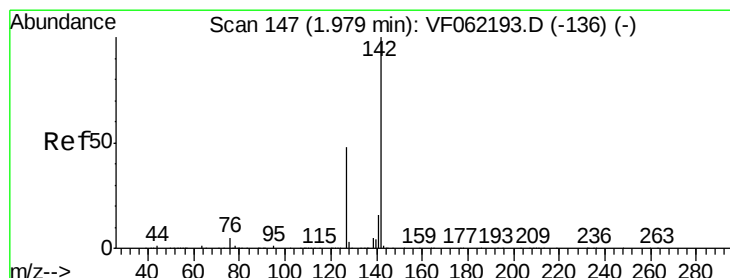
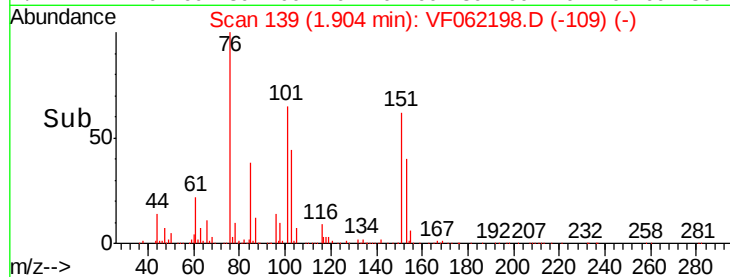
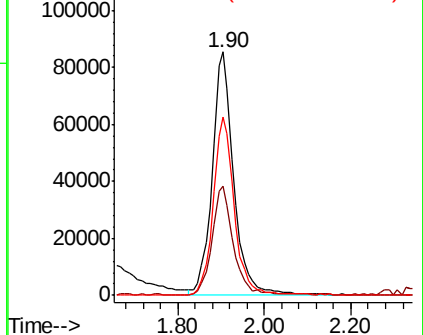
151 72.6 57.5 86.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.603 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.01 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

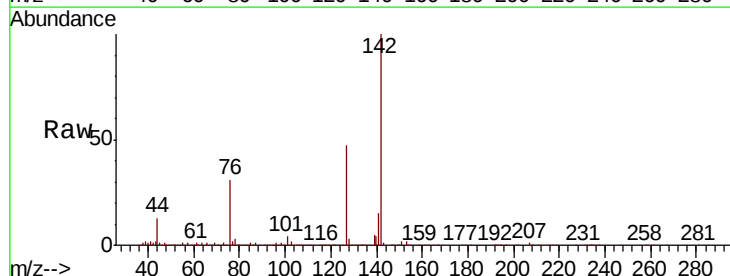
Tgt Ion:142 Resp: 521301

Ion Ratio Lower Upper

142 100

127 47.9 33.0 49.4

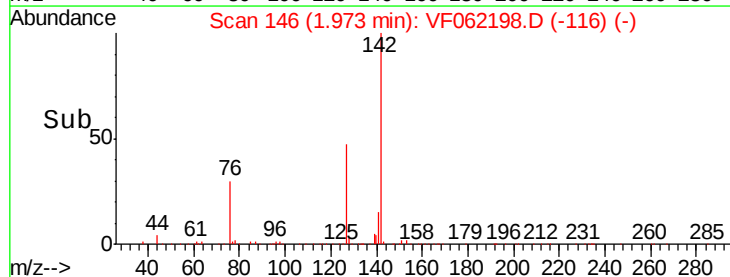
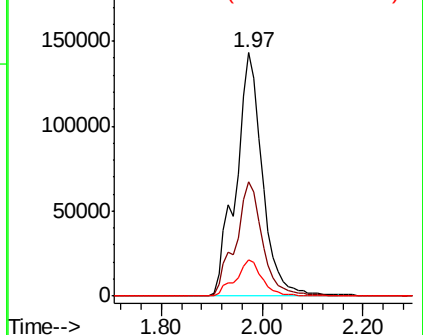
141 14.8 12.7 19.1

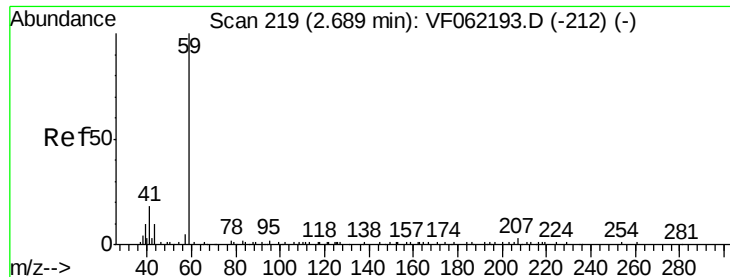


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



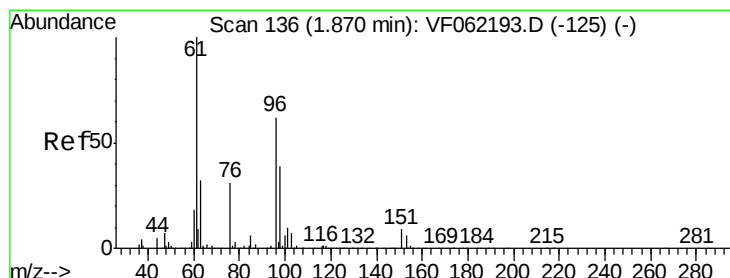
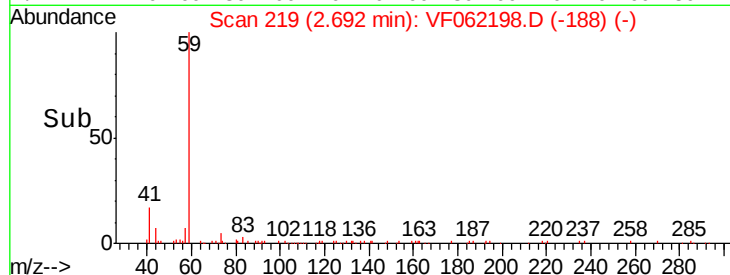
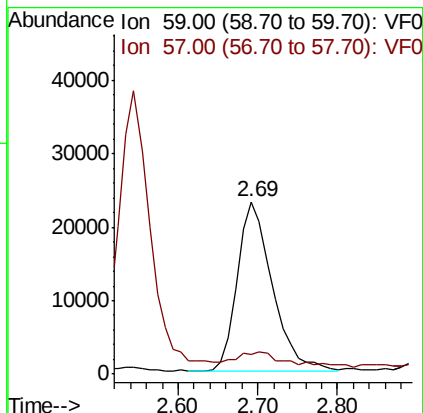
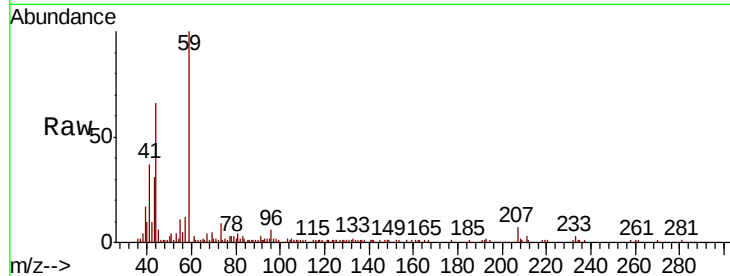


#11

Tert butyl alcohol
 Concen: 223.605 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VF062198.D
 Acq: 18 Apr 2019 11:04

Instrument :
 MSVOA_F
 ClientSampled :

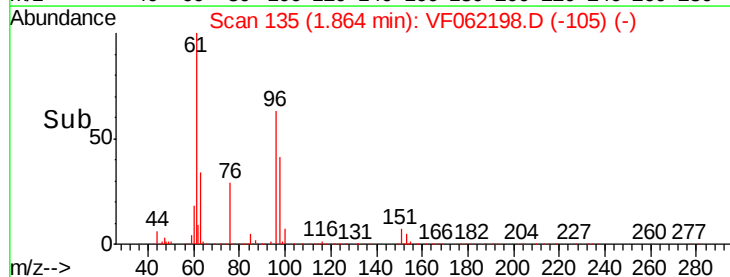
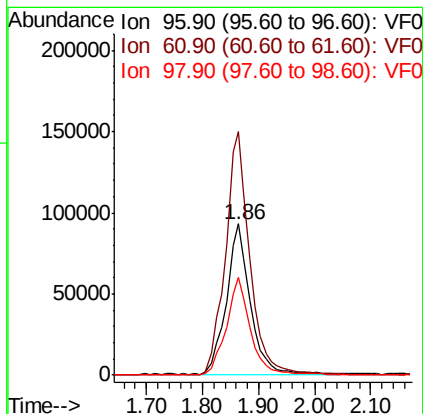
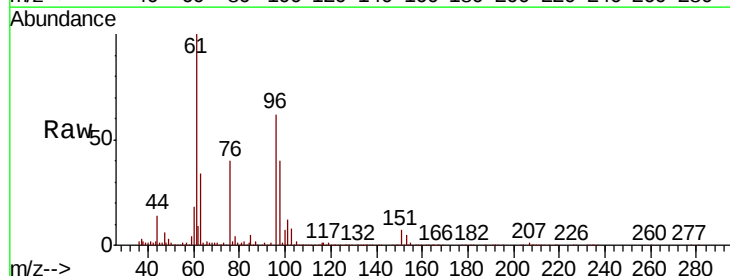
Tot Ion: 59 Resp: 70567
 Ion Ratio Lower Upper
 59 100
 57 13.5 9.3 13.9

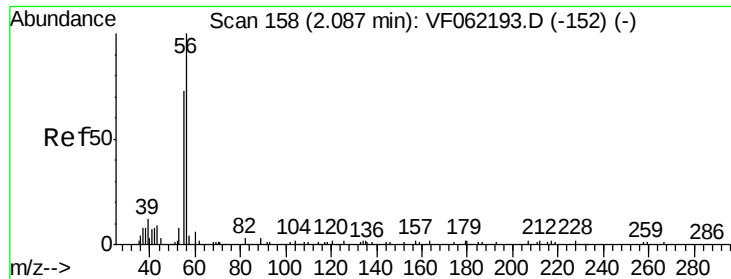


#12

1,1-Dichloroethene
 Concen: 49.286 ug/l
 RT: 1.86 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VF062198.D
 Acq: 18 Apr 2019 11:04

Tgt Ion: 96 Resp: 271841
 Ion Ratio Lower Upper
 96 100
 61 162.0 129.1 193.7
 98 65.1 50.0 75.0

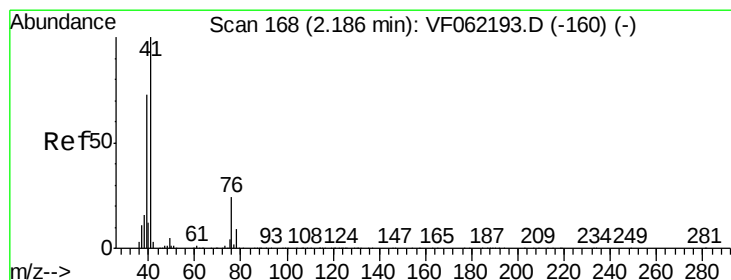
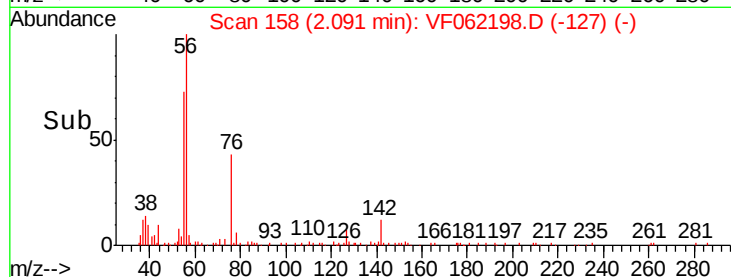
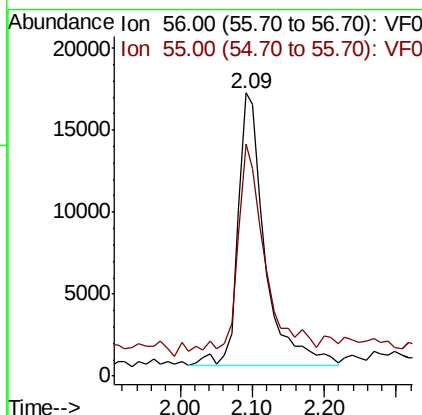
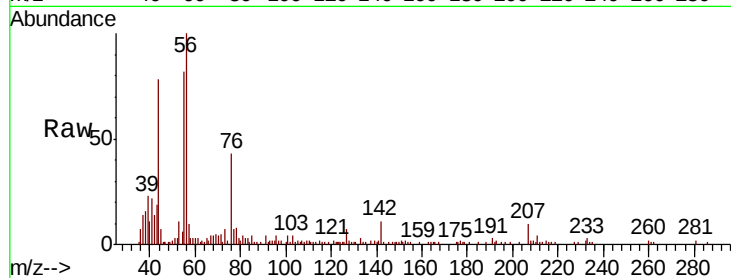




#13
Acrolein
Concen: 313.138 ug/l
RT: 2.09 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

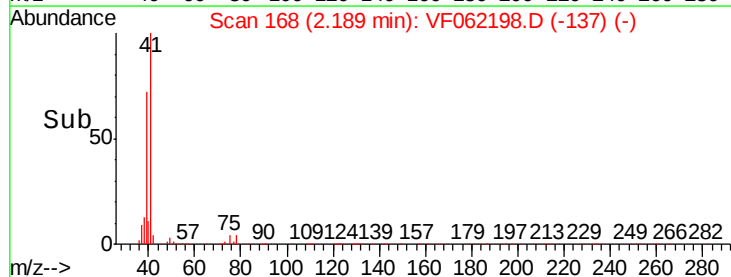
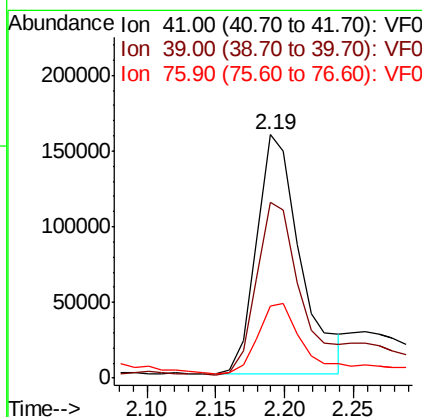
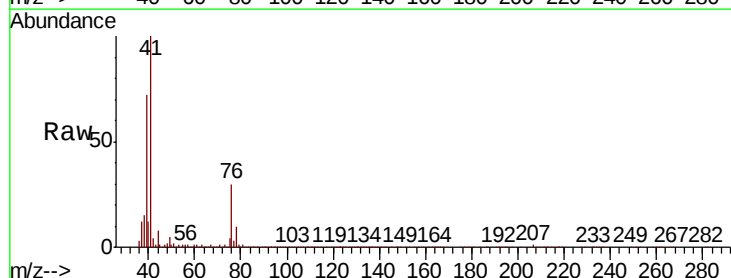
Instrument :
MSVOA_F
ClientSampleId :

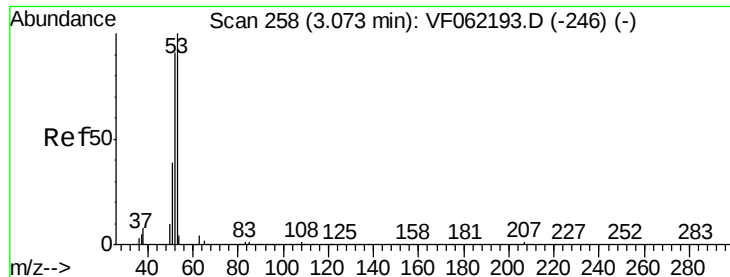
Tot Ion: 56 Resp: 43267
Ion Ratio Lower Upper
56 100
55 73.5 57.4 86.0



#14
Allyl chloride
Concen: 55.549 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

Tgt Ion: 41 Resp: 351614
Ion Ratio Lower Upper
41 100
39 73.0 60.0 90.0
76 41.7 20.6 30.8#





#15

Acrylonitrile

Concen: 225.799 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.01 min

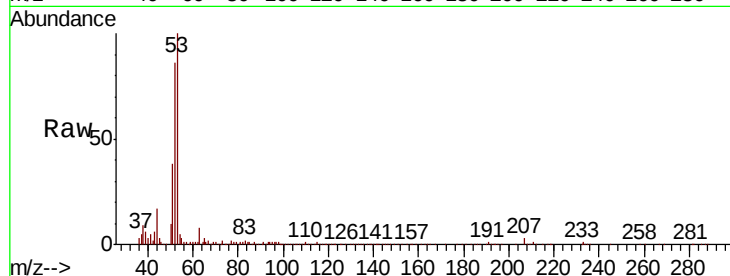
Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 217039

Ion	Ratio	Lower	Upper
53	100		
52	85.5	69.5	104.3
51	39.4	31.8	47.8

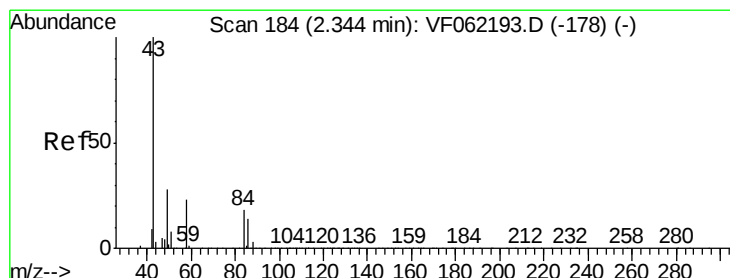
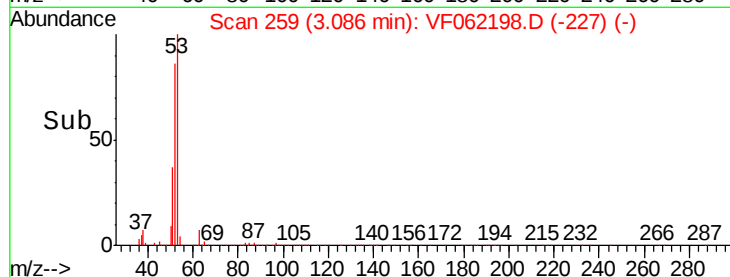
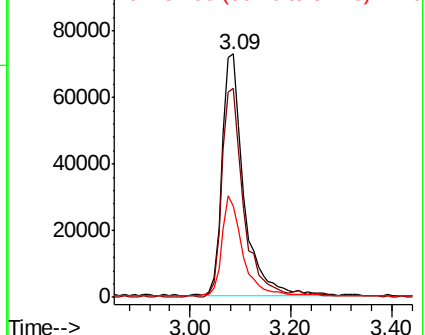


Abundance

Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 292.027 ug/l

RT: 2.35 min Scan# 184

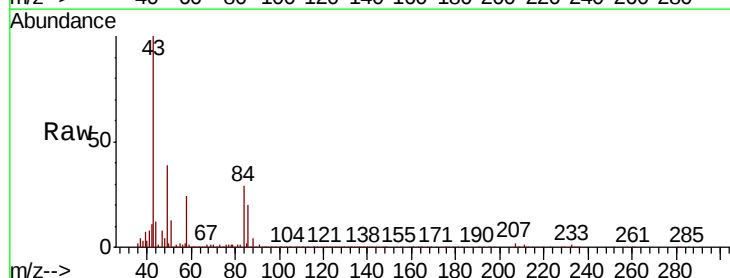
Delta R.T. 0.00 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

Tgt Ion: 43 Resp: 316908

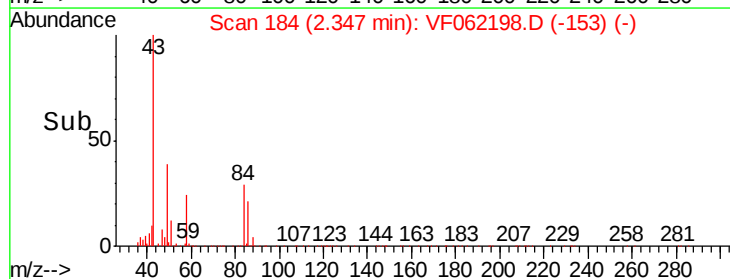
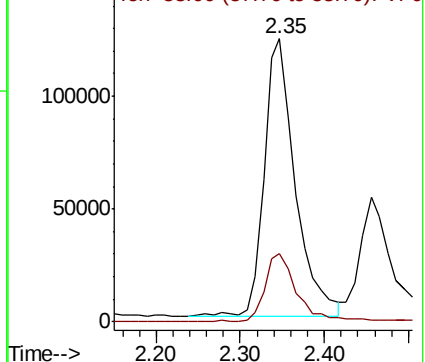
Ion	Ratio	Lower	Upper
43	100		
58	24.8	18.8	28.2

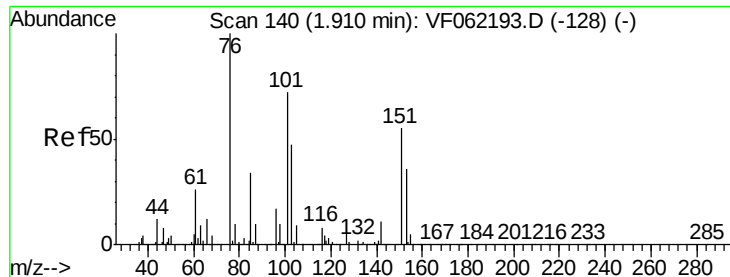


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

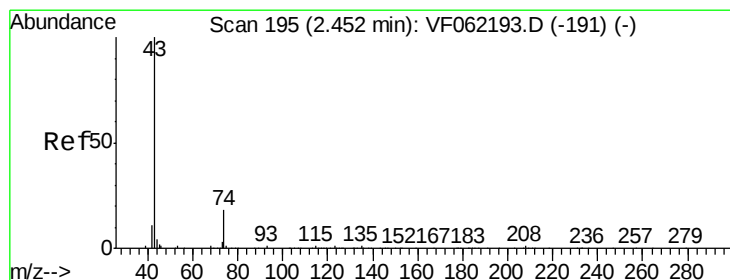
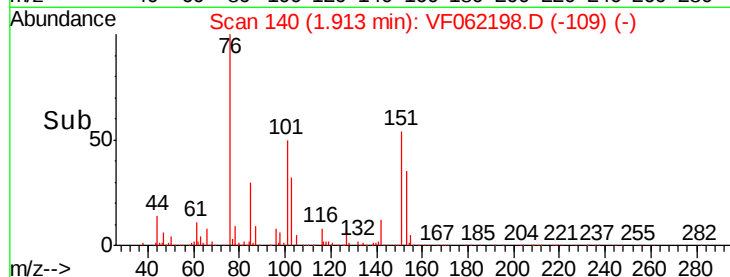
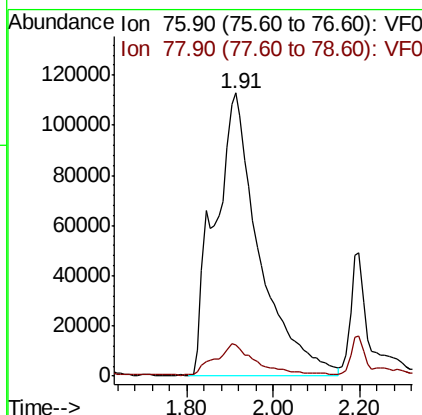
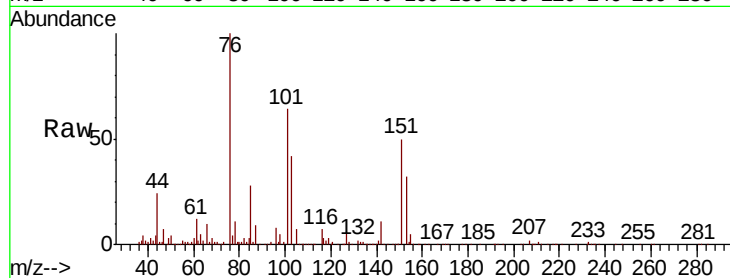




#17
Carbon Disulfide
Concen: 52.547 ug/l
RT: 1.91 min Scan# 140
Delta R.T. 0.00 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

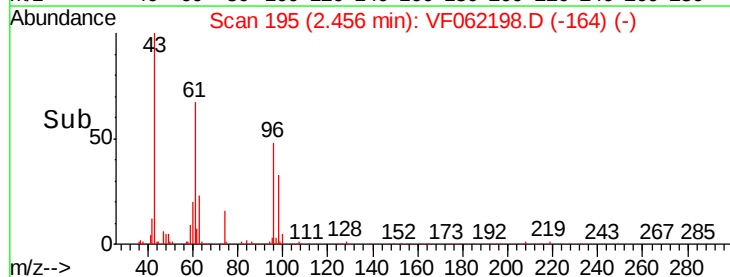
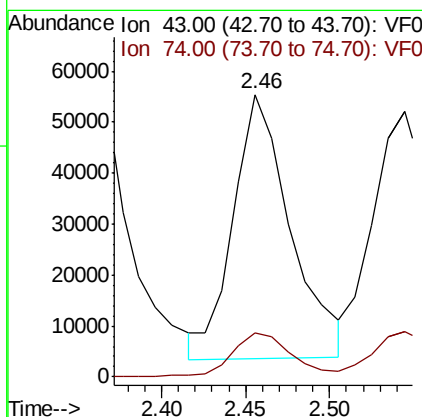
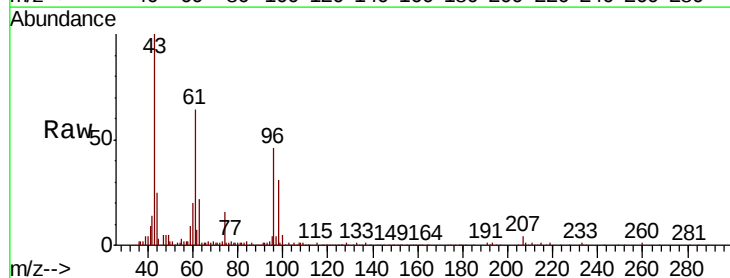
Instrument :
MSVOA_F
ClientSampleId :

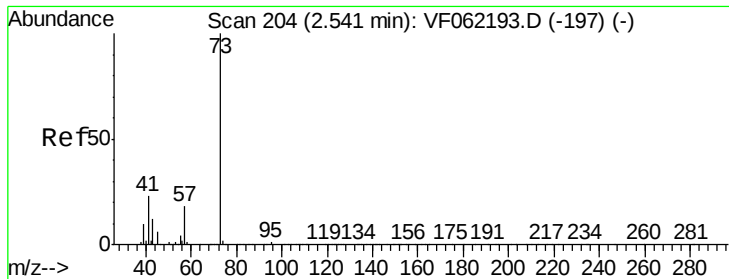
Tot Ion: 76 Resp: 805350
Ion Ratio Lower Upper
76 100
78 10.4 8.7 13.1



#18
Methyl Acetate
Concen: 52.751 ug/l
RT: 2.46 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

Tgt Ion: 43 Resp: 122566
Ion Ratio Lower Upper
43 100
74 16.8 14.5 21.7



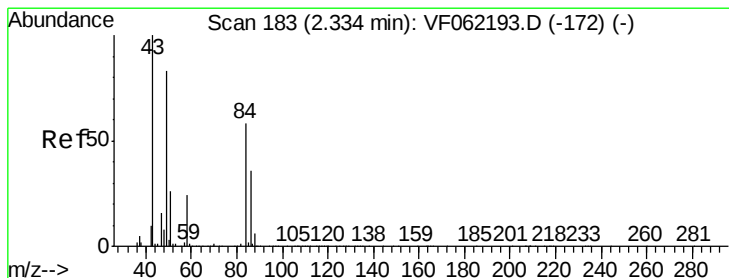
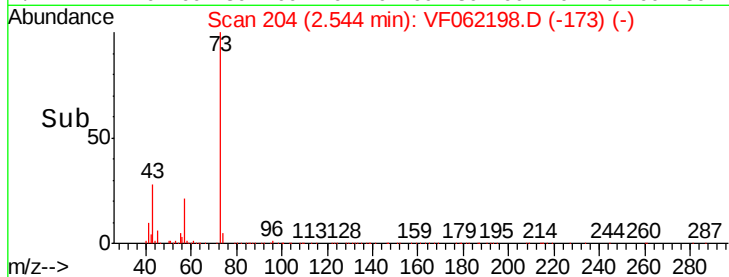
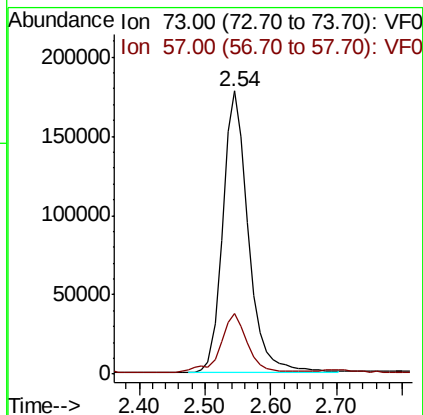
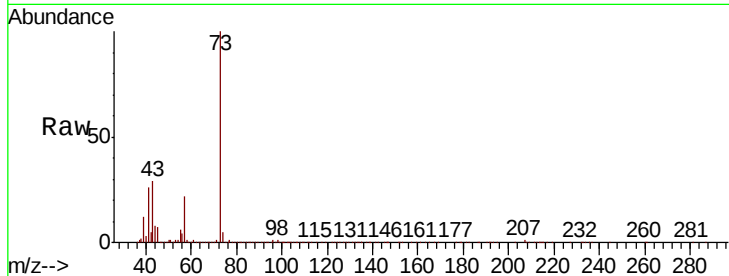


#19

Methvl tert-butvl Ether
 Concen: 49.672 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF062198.D
 Acq: 18 Apr 2019 11:04

Instrument :
 MSVOA_F
 ClientSampleId :

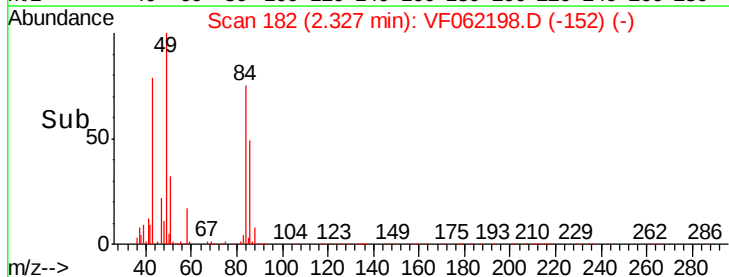
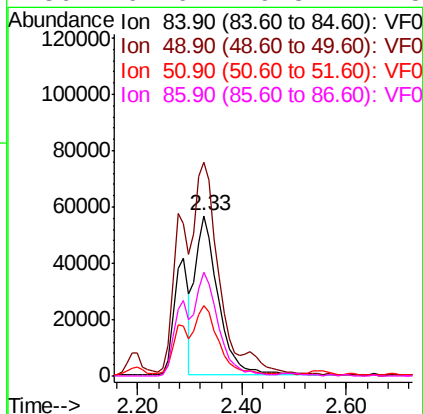
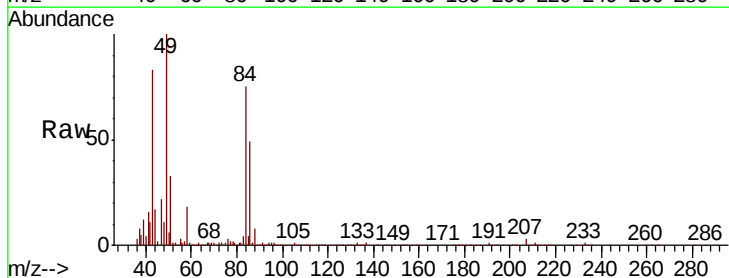
Tot Ion: 73 Resp: 483721
 Ion Ratio Lower Upper
 73 100
 57 20.2 15.1 22.7

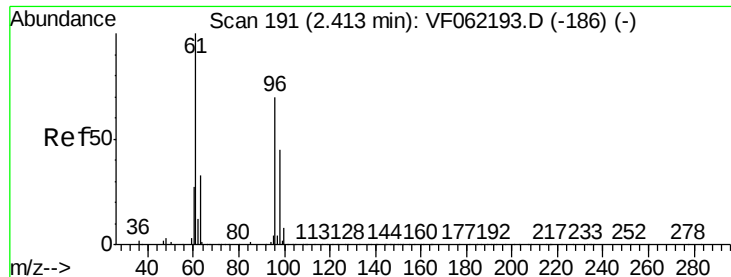


#20

Methylene Chloride
 Concen: 30.468 ug/l
 RT: 2.33 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF062198.D
 Acq: 18 Apr 2019 11:04

Tgt Ion: 84 Resp: 175424
 Ion Ratio Lower Upper
 84 100
 49 133.3 114.0 171.0
 51 42.9 37.0 55.4
 86 64.6 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 49.579 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :

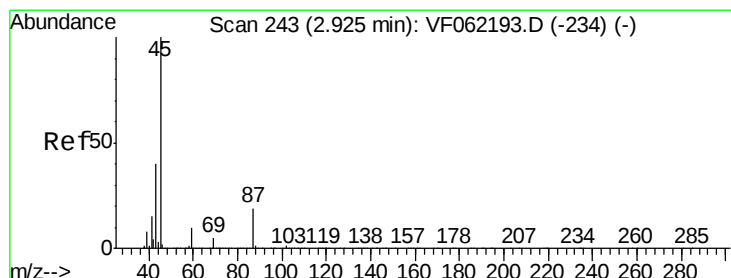
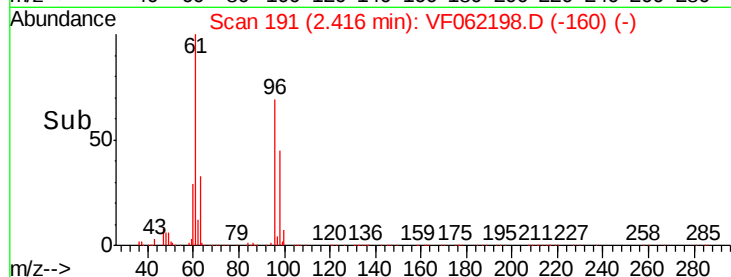
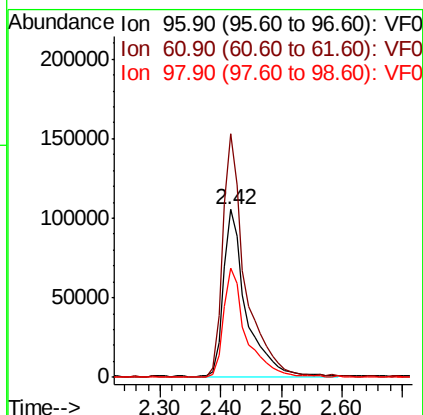
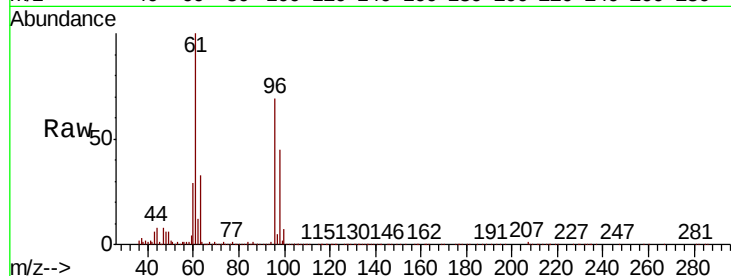
Tot Ion: 96 Resp: 270425

Ion Ratio Lower Upper

96 100

61 145.8 114.6 172.0

98 65.3 51.2 76.8



#22

Diisopropyl ether

Concen: 49.185 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

Tgt Ion: 45 Resp: 796386

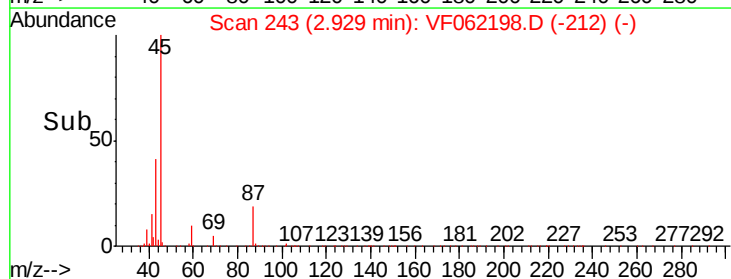
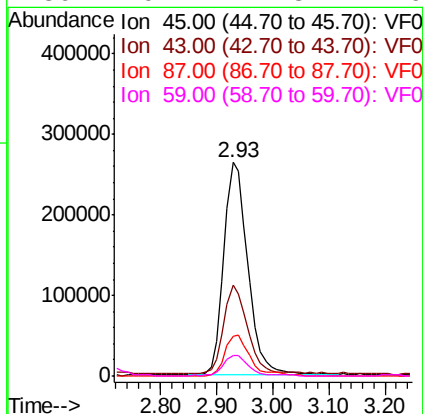
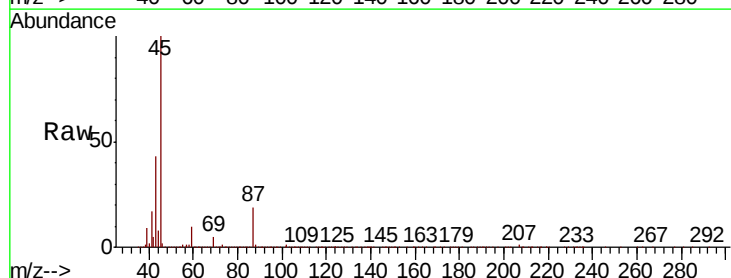
Ion Ratio Lower Upper

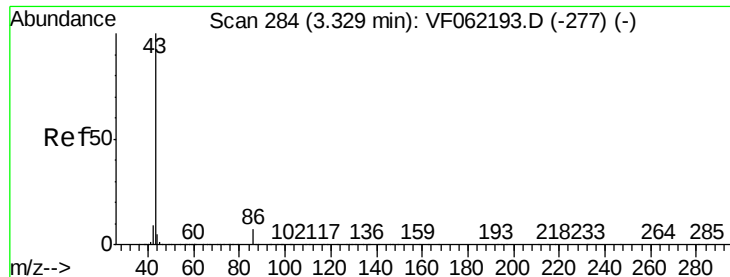
45 100

43 41.7 32.8 49.2

87 18.7 15.2 22.8

59 9.7 7.8 11.6





#23

Vinyl Acetate

Concen: 241.934 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.01 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

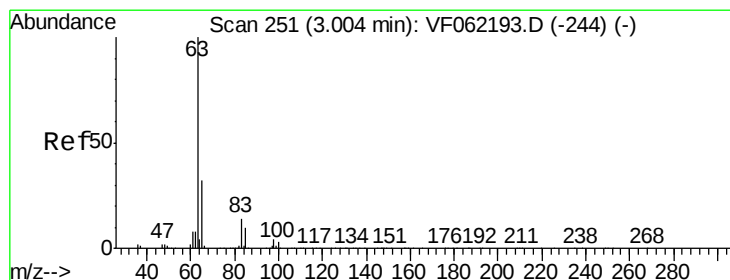
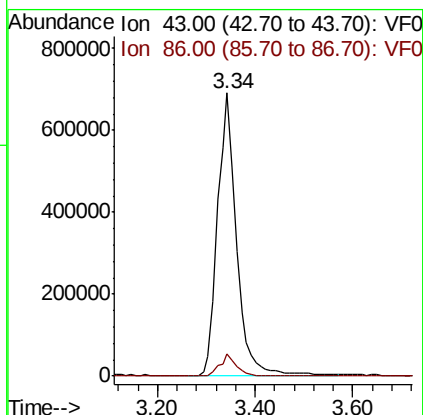
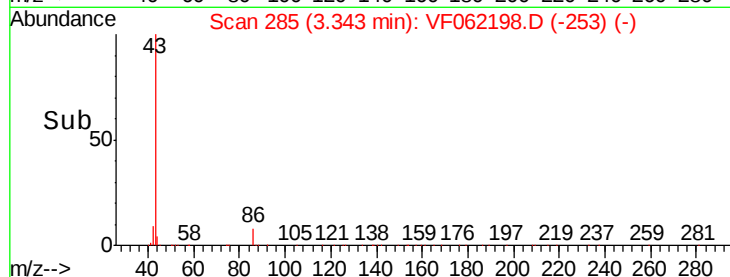
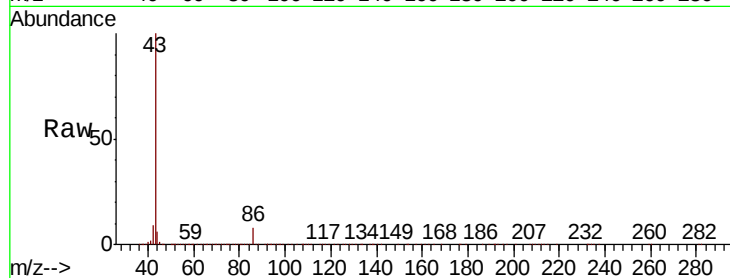
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 1866390

Ion Ratio Lower Upper

43 100

86 7.7 5.9 8.9



#24

1,1-Dichloroethane

Concen: 51.279 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

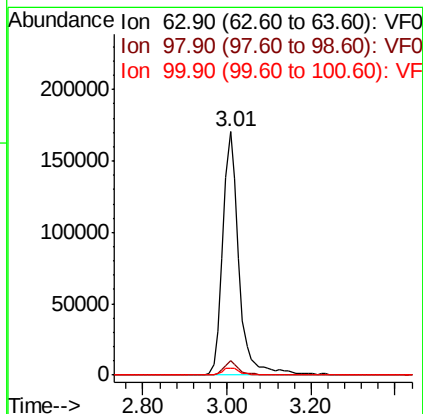
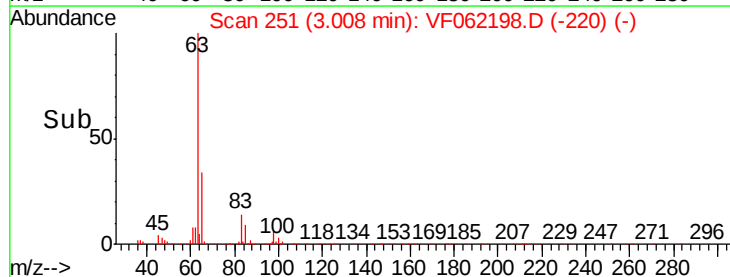
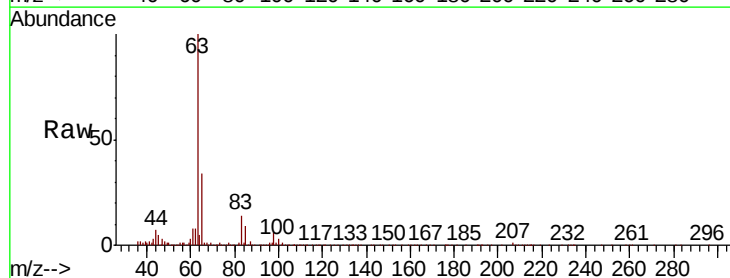
Tgt Ion: 63 Resp: 454200

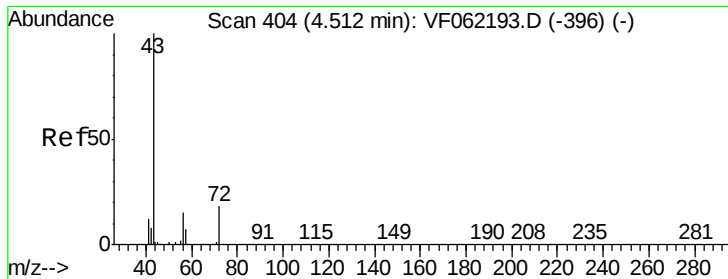
Ion Ratio Lower Upper

63 100

98 5.7 2.3 6.8

100 3.0 1.7 5.0





#25

2-Butanone

Concen: 256.181 ug/l

RT: 4.52 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

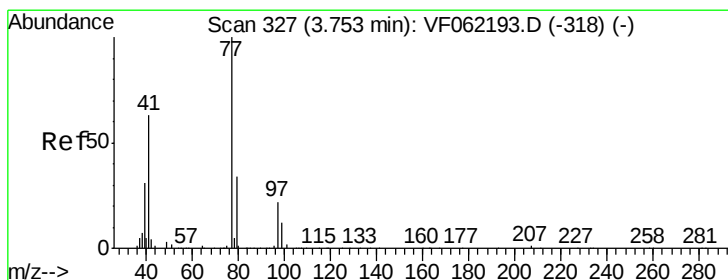
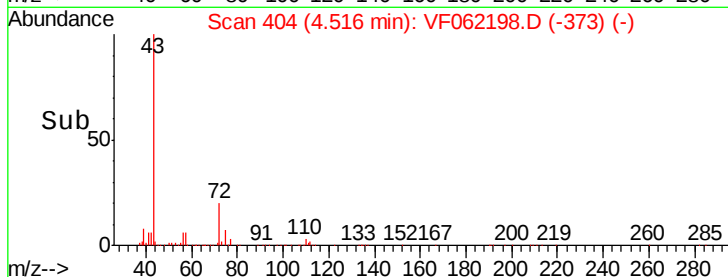
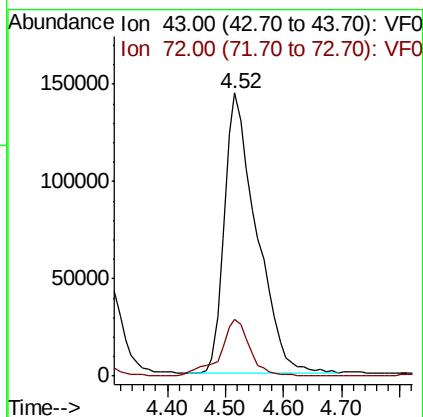
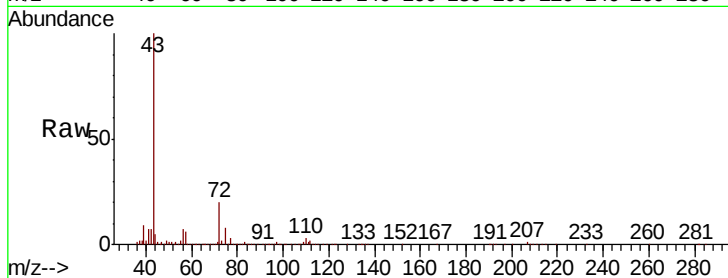
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 555889

Ion Ratio Lower Upper

43 100

72 20.2 16.1 24.1



#26

2,2-Dichloropropane

Concen: 48.797 ug/l

RT: 3.77 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF062198.D

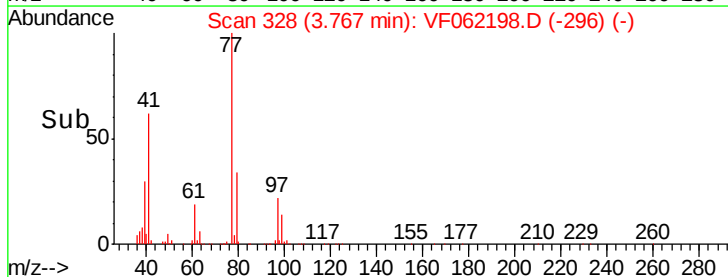
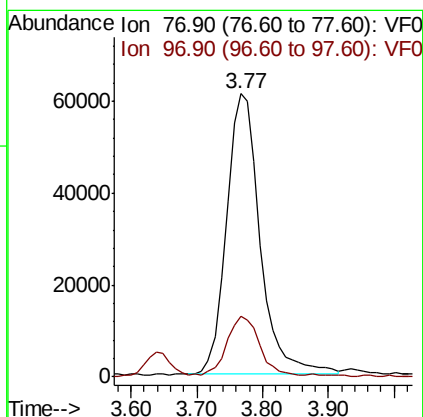
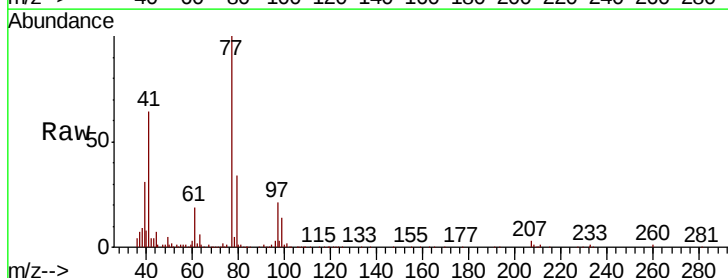
Acq: 18 Apr 2019 11:04

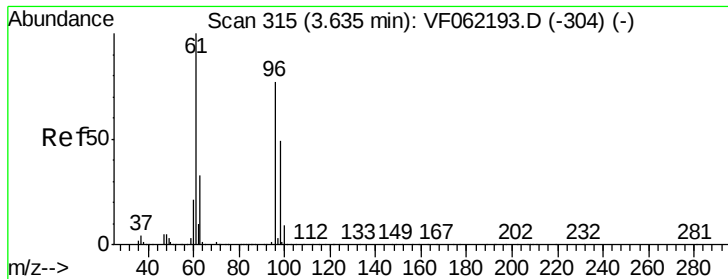
Tgt Ion: 77 Resp: 218214

Ion Ratio Lower Upper

77 100

97 20.4 11.1 33.3



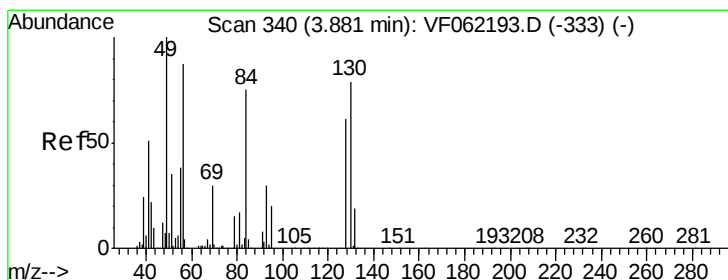
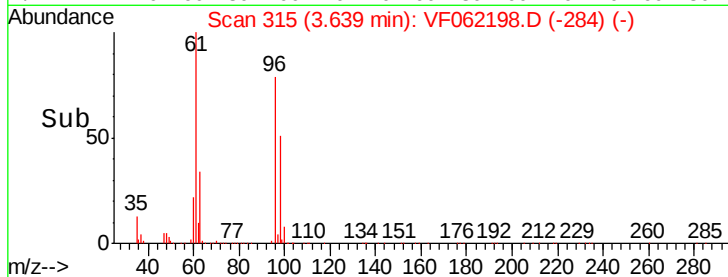
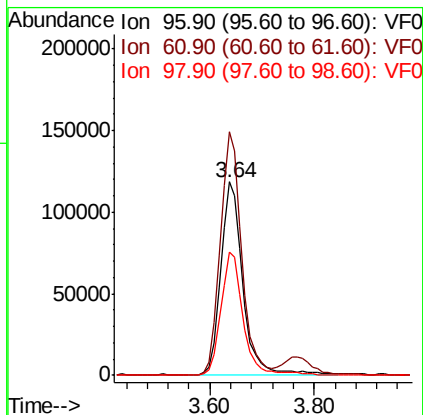
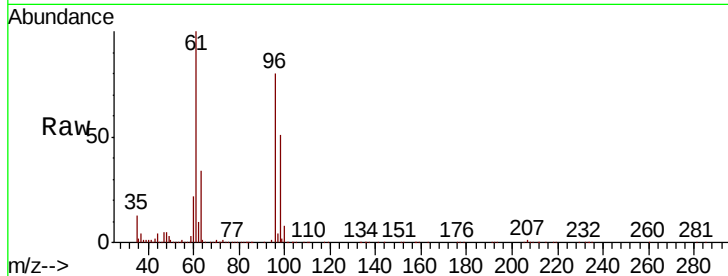


#27

cis-1,2-Dichloroethene
Concen: 48.532 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :

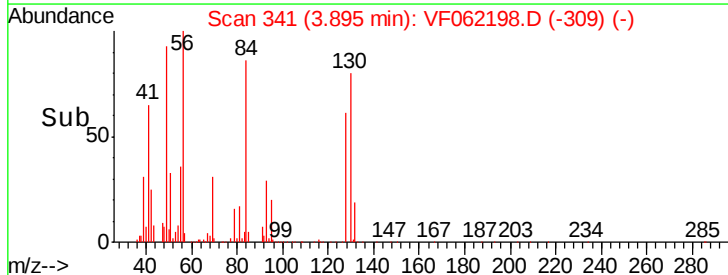
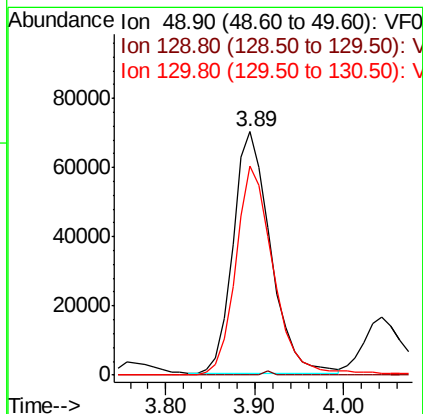
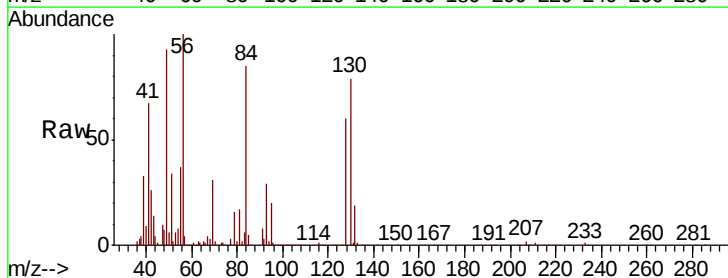
Tot Ion	Ratio	Lower	Upper
96	100		
61	123.0	0.0	253.6
98	64.4	0.0	124.8



#28

Bromochloromethane
Concen: 48.563 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	0.0#
130	86.8	66.6	100.0

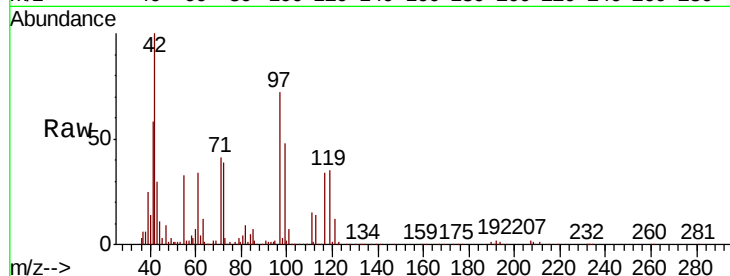




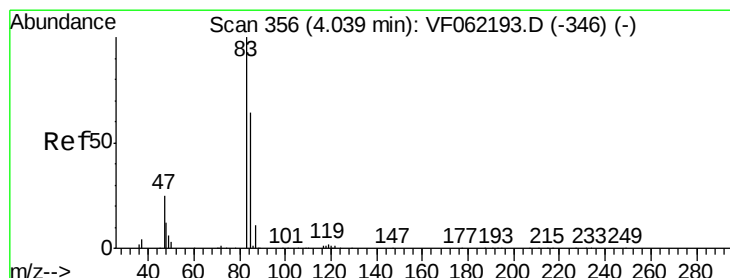
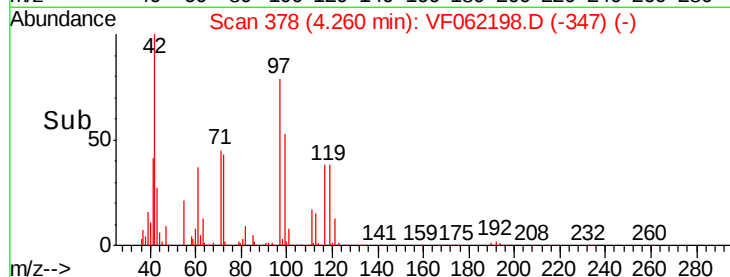
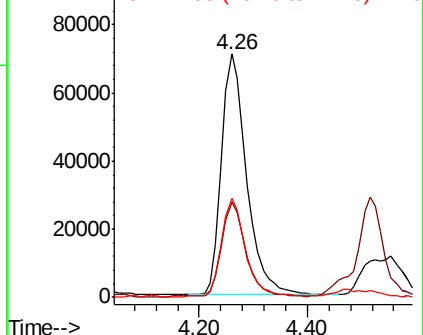
#29
Tetrahydrofuran
Concen: 231.817 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.9	28.6	43.0
71	38.9	29.2	43.8

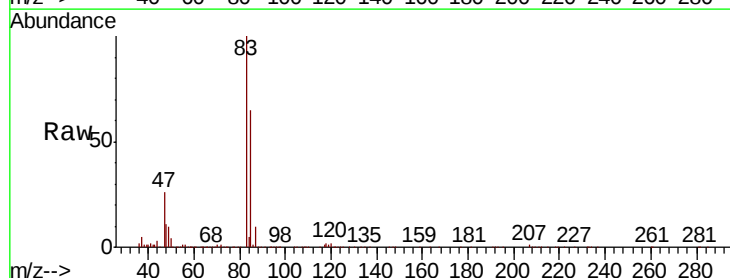


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

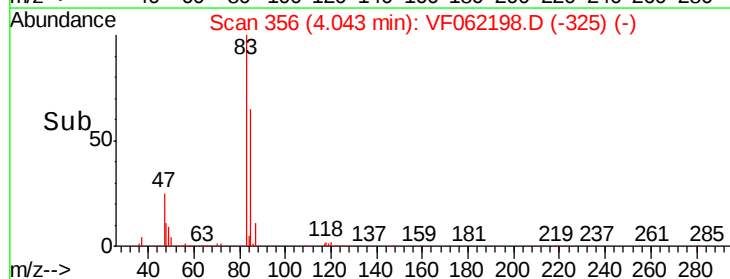
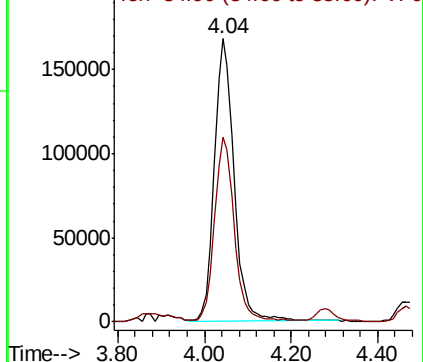


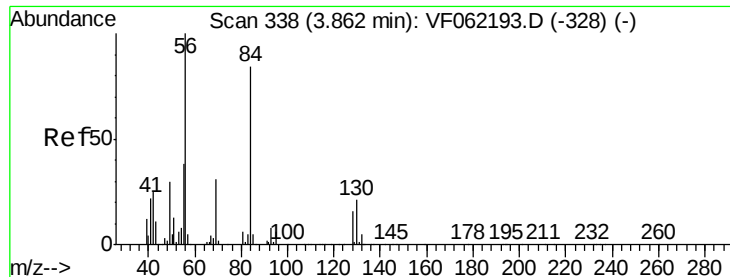
#30
Chloroform
Concen: 48.813 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.00 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.8



Abundance Ion 82.90 (82.60 to 83.60): VF0
Ion 84.90 (84.60 to 85.60): VF0





#31

Cyclohexane

Concen: 47.944 ug/l

RT: 3.88 min Scan# 339

Delta R.T. 0.01 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :

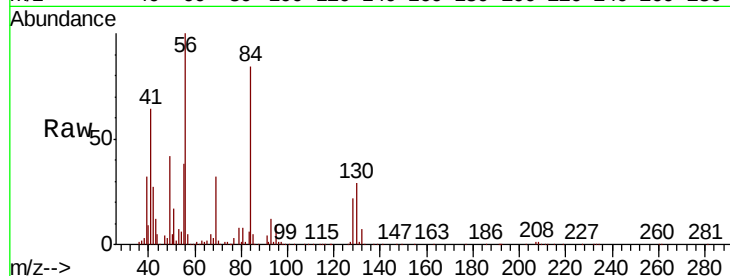
Tot Ion: 56 Resp: 508907

Ion Ratio Lower Upper

56 100

69 32.0 25.1 37.7

84 84.5 67.8 101.6

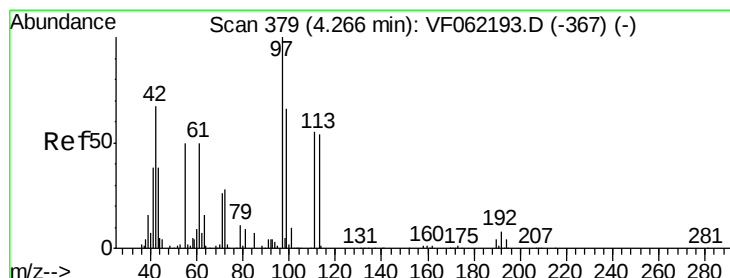
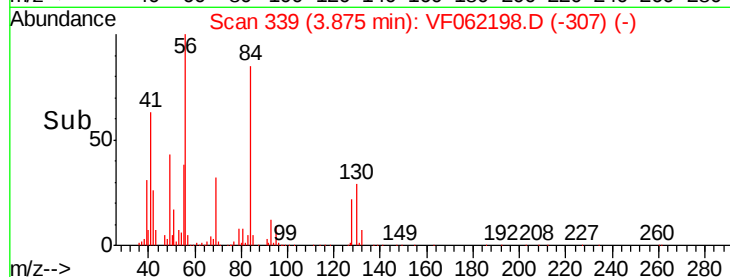
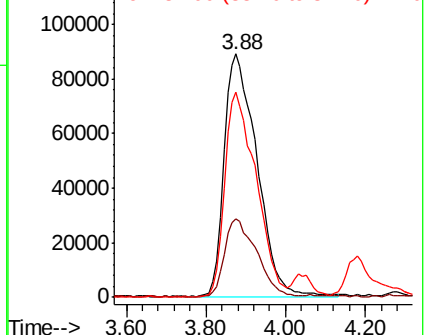


Abundance

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: 50.219 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

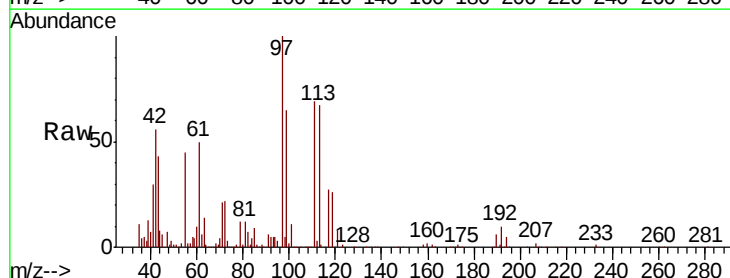
Tgt Ion: 97 Resp: 400144

Ion Ratio Lower Upper

97 100

99 65.2 52.7 79.1

61 50.3 53.0 79.4#

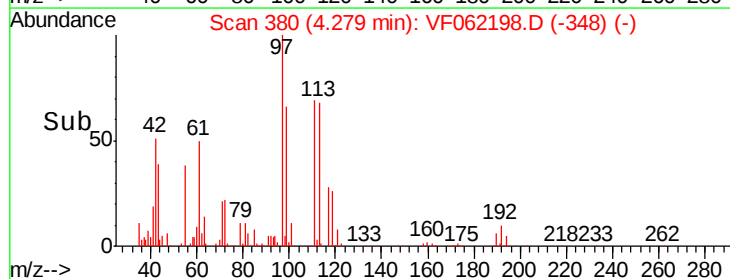
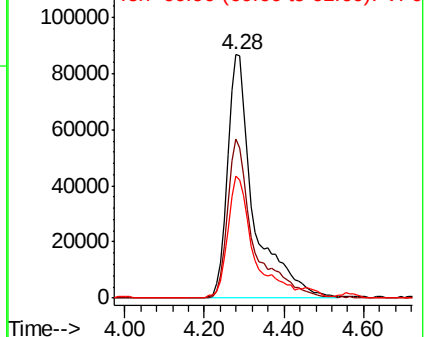


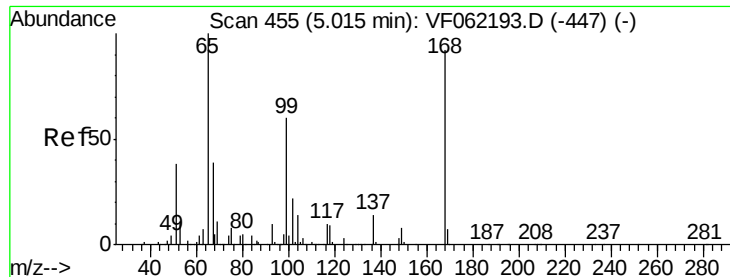
Abundance

Ion 96.90 (96.60 to 97.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

Ion 60.90 (60.60 to 61.60): VF0





#33

1,2-Dichloroethane-d4

Concen: 53.475 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.01 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

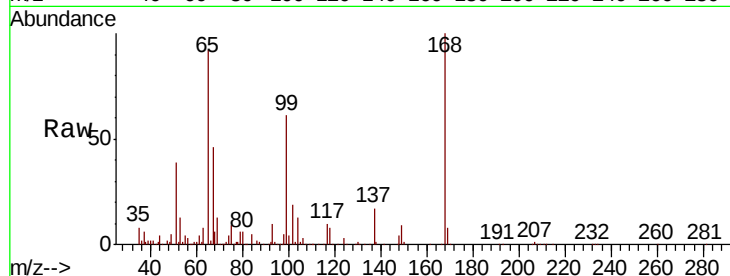
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 242782

Ion Ratio Lower Upper

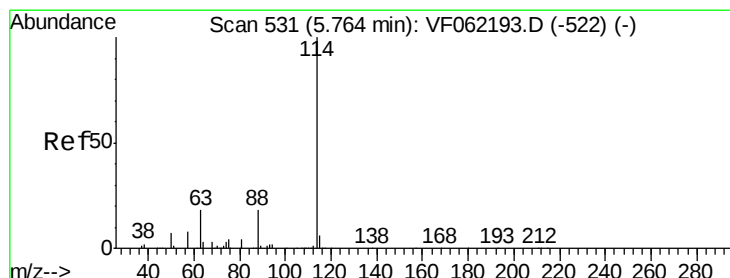
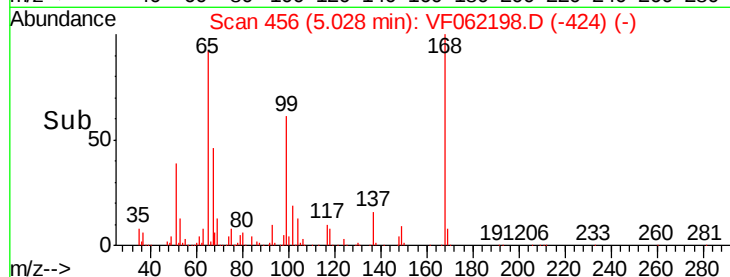
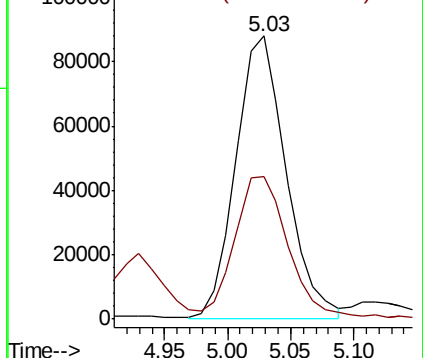
65 100

67 53.4 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. 0.00 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

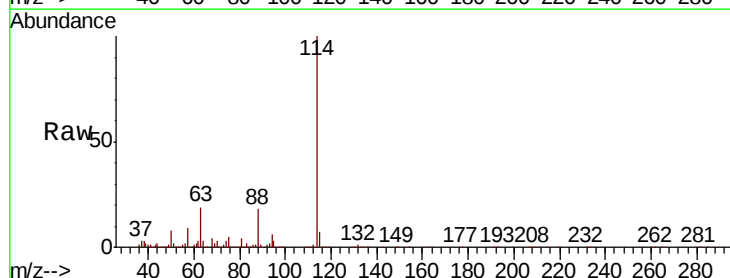
Tgt Ion: 114 Resp: 764779

Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.6

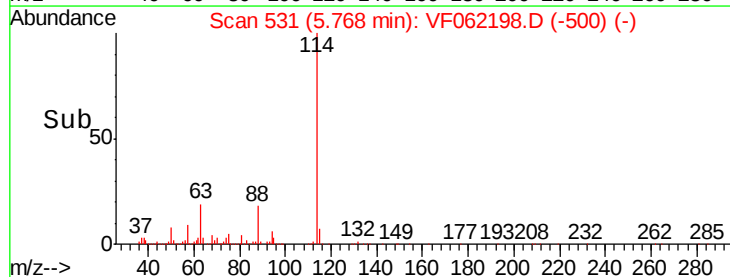
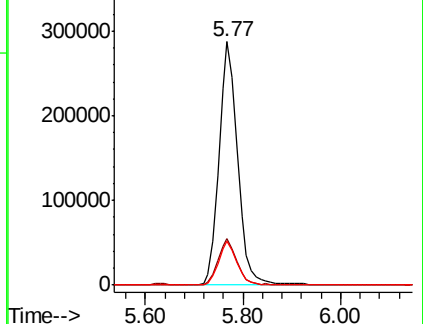
88 17.8 0.0 35.8

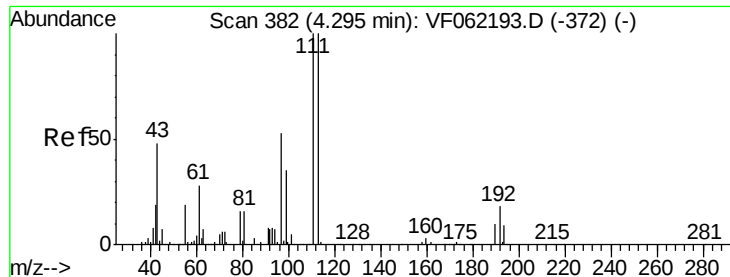


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0





#35

Dibromofluoromethane

Concen: 48.354 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :

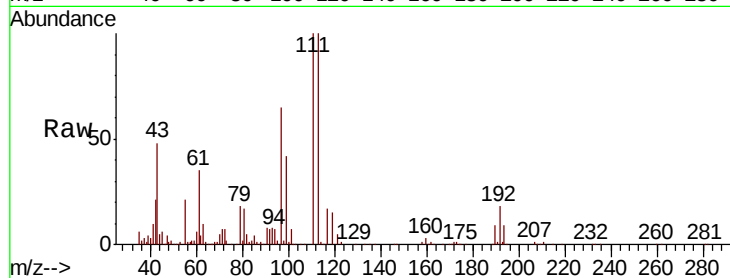
Tot Ion:113 Resp: 323481

Ion Ratio Lower Upper

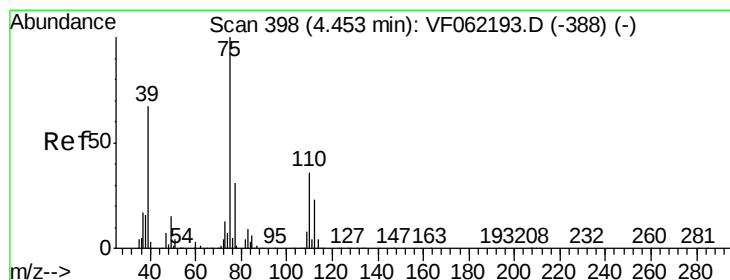
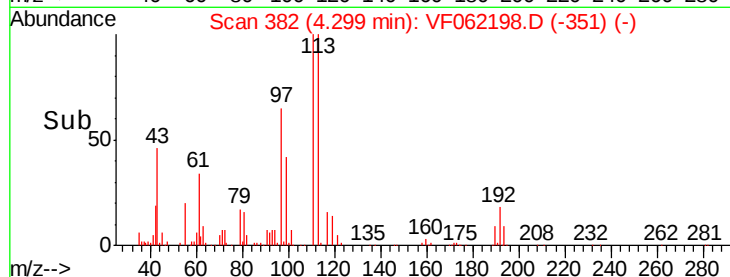
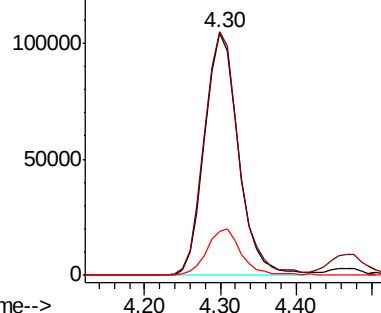
113 100

111 102.4 81.1 121.7

192 19.7 14.7 22.1



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 45.108 ug/l

RT: 4.47 min Scan# 399

Delta R.T. 0.01 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

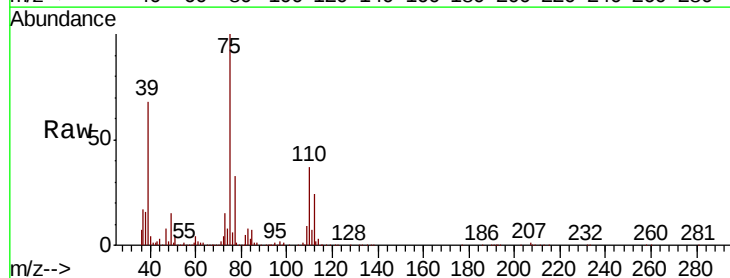
Tgt Ion: 75 Resp: 413609

Ion Ratio Lower Upper

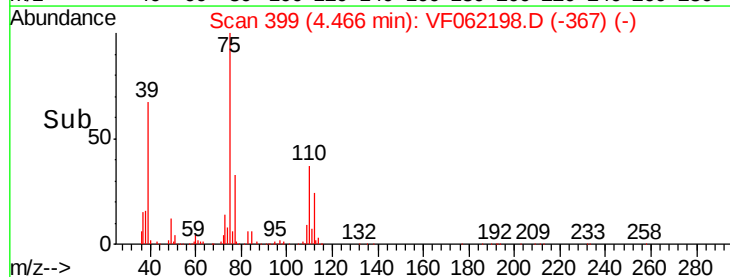
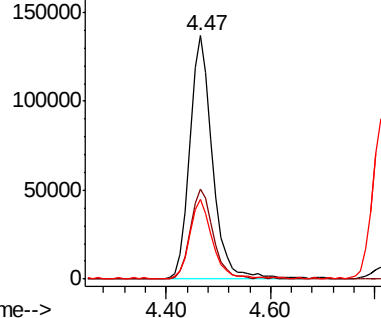
75 100

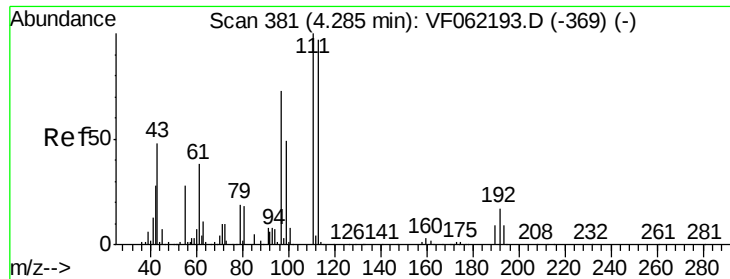
110 37.1 18.4 55.2

77 32.6 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VF0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VF0

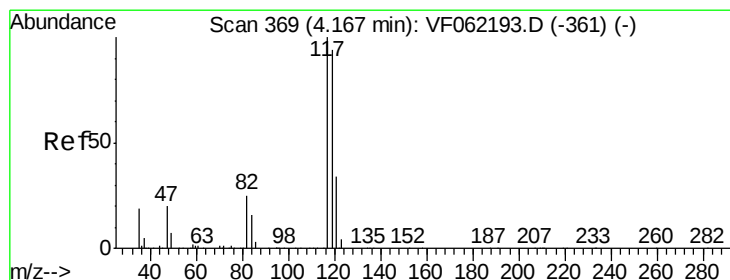
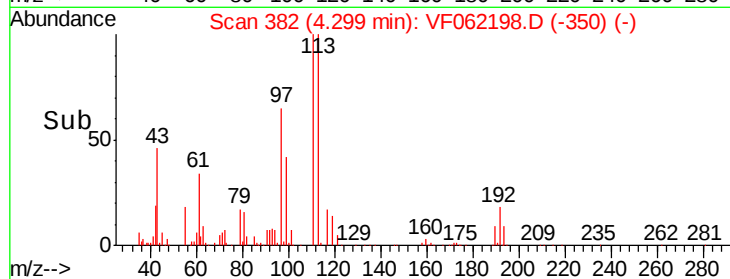
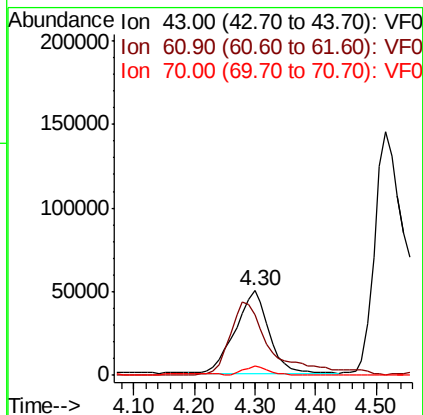
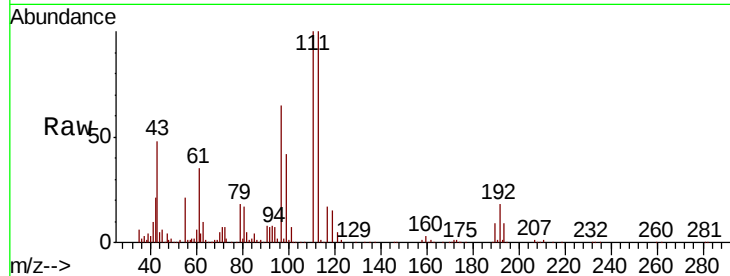




#37
Ethyl Acetate
Concen: 43.333 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

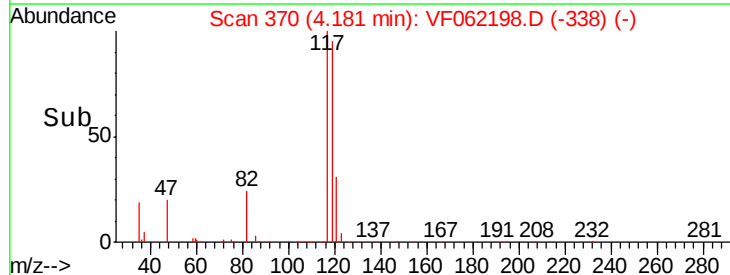
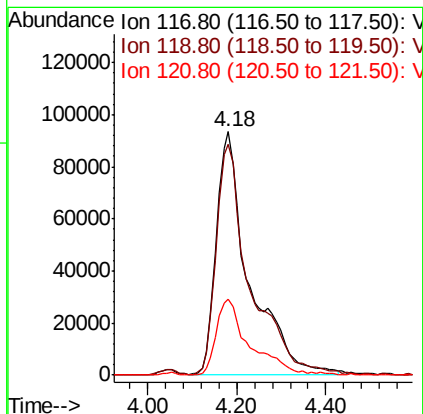
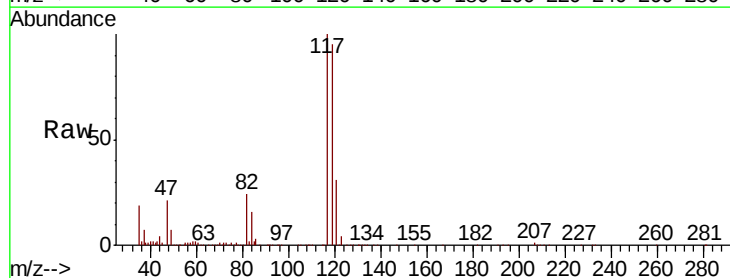
Instrument :
MSVOA_F
ClientSampled :

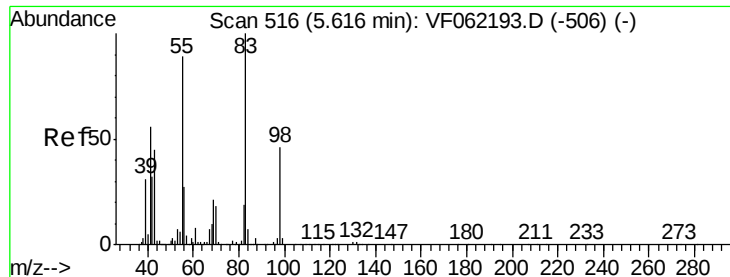
Tot Ion: 43 Resp: 187494
Ion Ratio Lower Upper
43 100
61 107.4 0.0 0.0#
70 9.6 7.8 11.6



#38
Carbon Tetrachloride
Concen: 58.732 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.01 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

Tgt Ion: 117 Resp: 476671
Ion Ratio Lower Upper
117 100
119 94.8 75.0 112.4
121 31.2 26.9 40.3

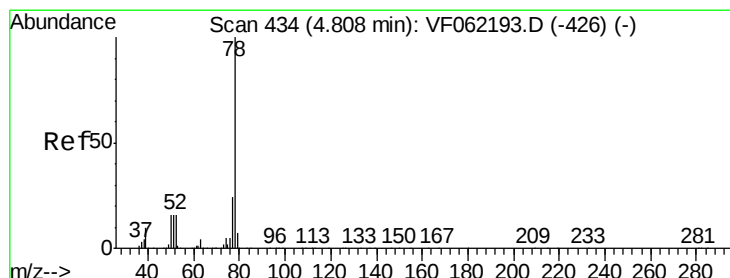
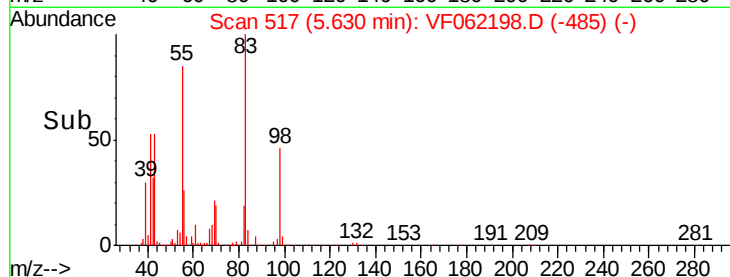
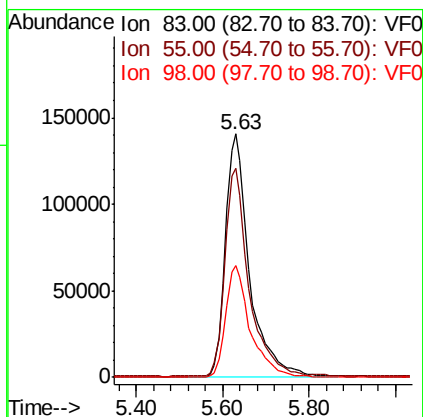
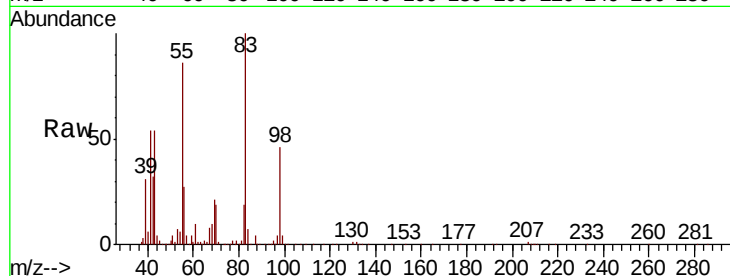




#39
Methvlcvclohexane
Concen: 49.673 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.01 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

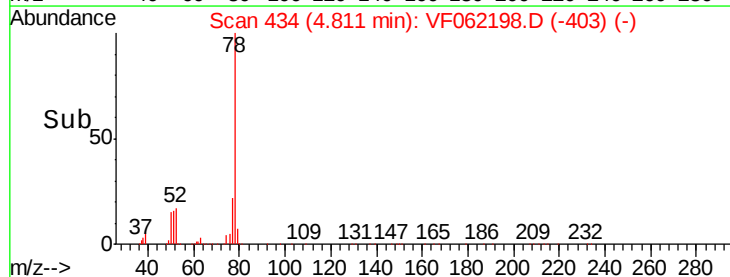
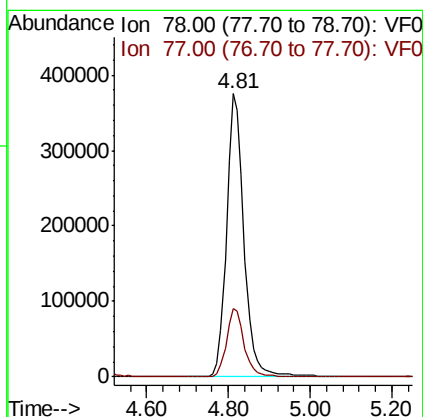
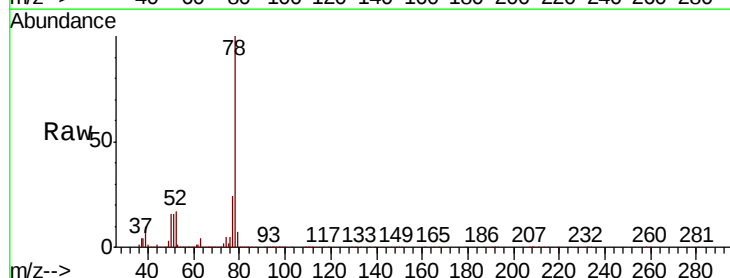
Instrument :
MSVOA_F
ClientSampleId :

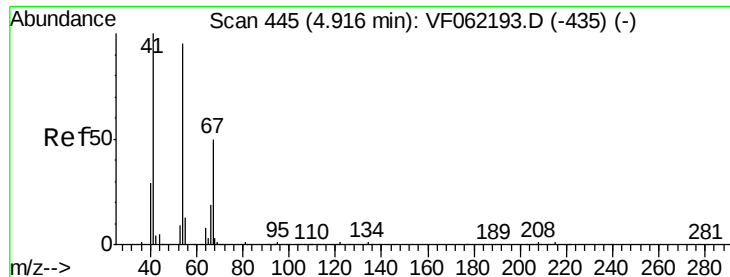
Tot Ion: 83 Resp: 545337
Ion Ratio Lower Upper
83 100
55 85.2 71.0 106.6
98 45.7 36.7 55.1



#40
Benzene
Concen: 46.026 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

Tgt Ion: 78 Resp: 1106944
Ion Ratio Lower Upper
78 100
77 23.9 18.9 28.3

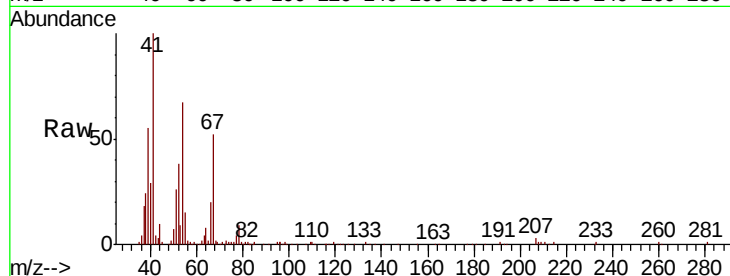




#41
Methacrylonitrile
Concen: 43.948 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.01 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	41	Resp:	109686
Ion	Ratio	Lower	Upper
41	100		
39	61.2	44.7	67.1
67	51.4	39.1	58.7
52	63.8	49.8	74.8



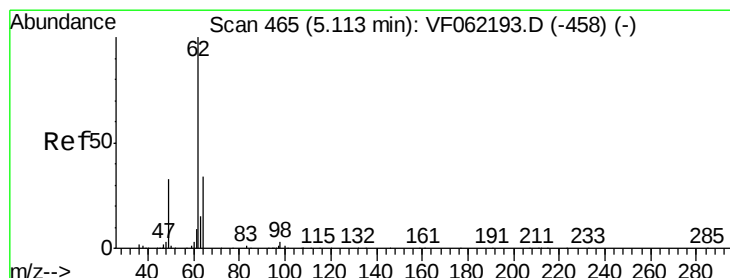
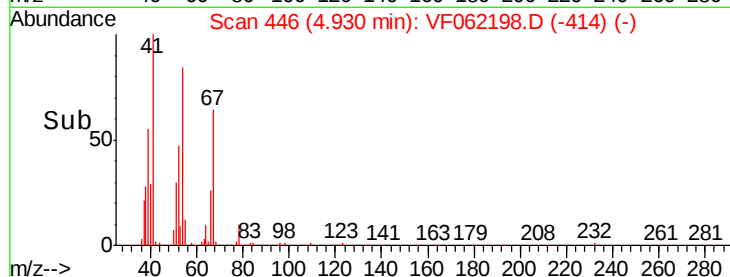
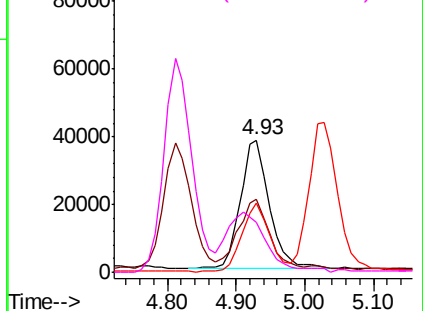
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

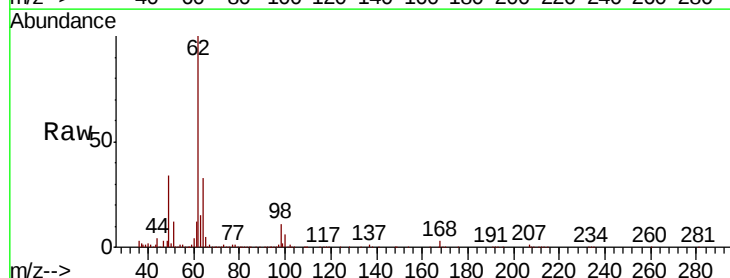
Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42
1,2-Dichloroethane
Concen: 46.513 ug/l
RT: 5.13 min Scan# 466
Delta R.T. 0.01 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

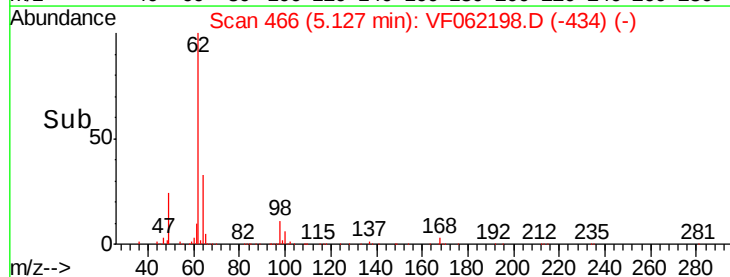
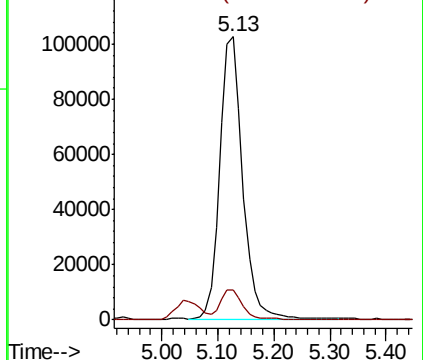
Tgt Ion:	62	Resp:	295738
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.0

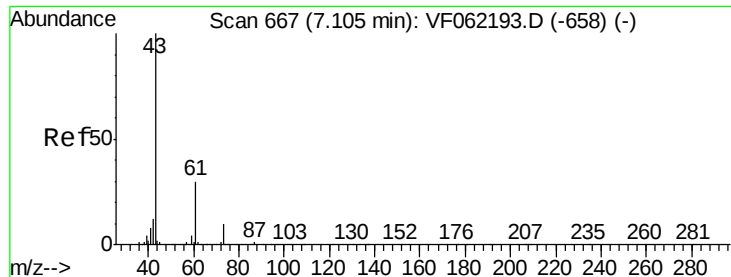


Abundance

Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



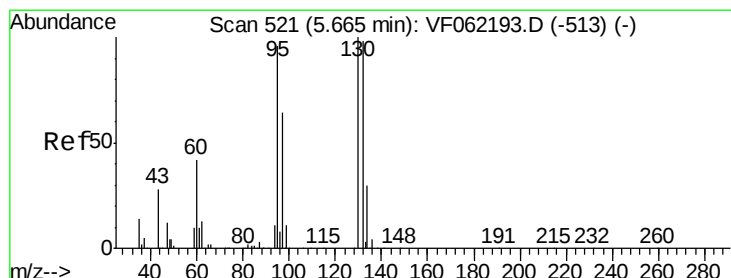
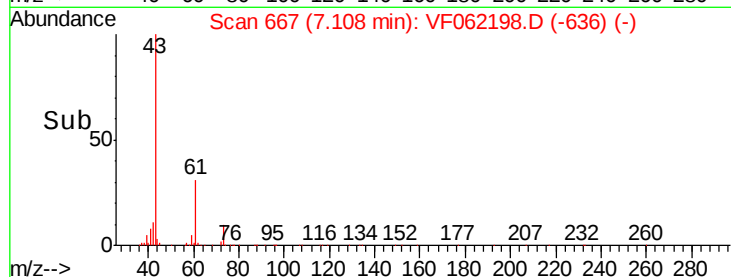
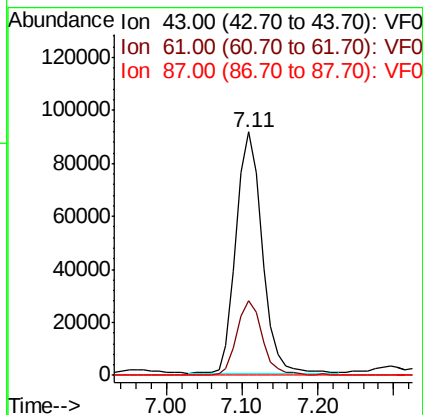
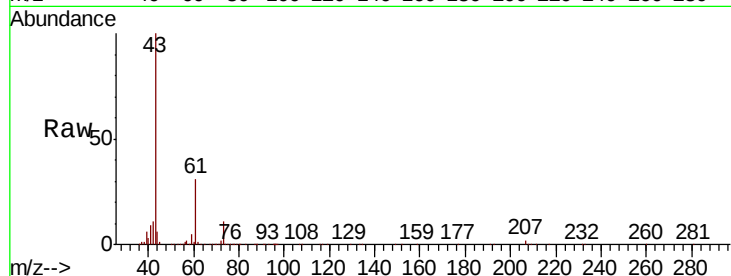


#43

Isopropyl Acetate
 Concen: 47.570 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VF062198.D
 Acq: 18 Apr 2019 11:04

Instrument :
 MSVOA_F
 ClientSampleId :

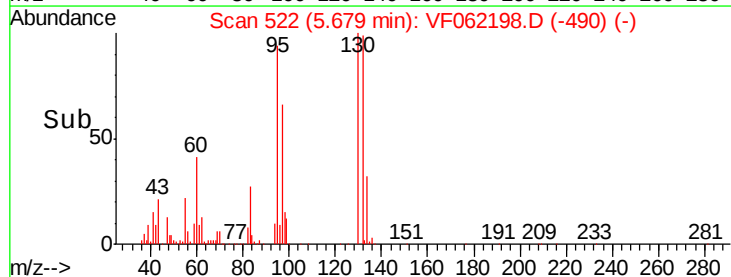
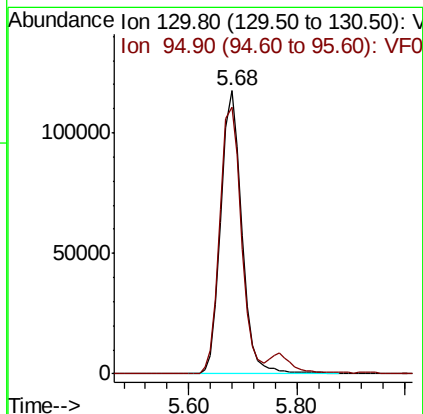
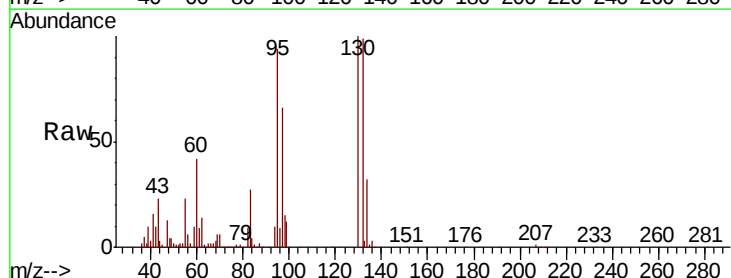
Tot Ion: 43 Resp: 216477
 Ion Ratio Lower Upper
 43 100
 61 30.4 24.4 36.6
 87 0.5 0.4 0.6

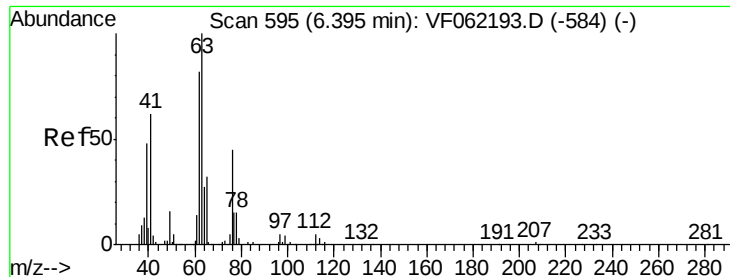


#44

Trichloroethene
 Concen: 48.602 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. 0.01 min
 Lab File: VF062198.D
 Acq: 18 Apr 2019 11:04

Tgt Ion: 130 Resp: 315860
 Ion Ratio Lower Upper
 130 100
 95 94.1 0.0 191.4





#45

1,2-Dichloropropane

Concen: 48.524 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

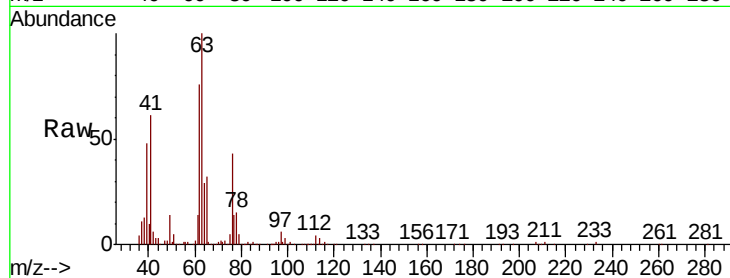
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 257069

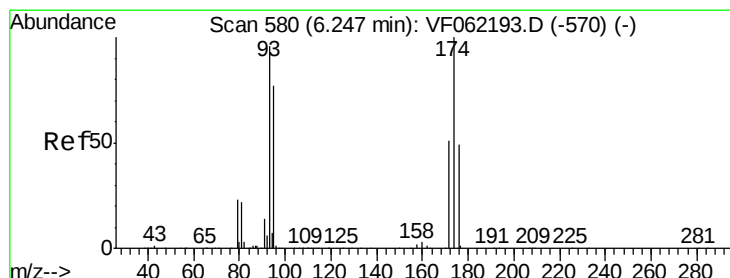
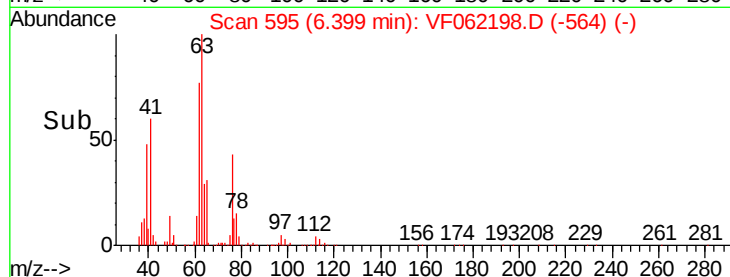
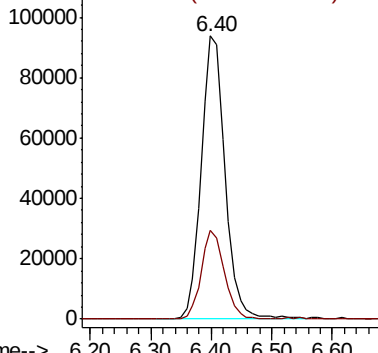
Ion Ratio Lower Upper

63 100

65 31.4 25.9 38.9



Abundance Ion 62.90 (62.60 to 63.60): VF0
Ion 64.90 (64.60 to 65.60): VF0



#46

Dibromomethane

Concen: 46.582 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

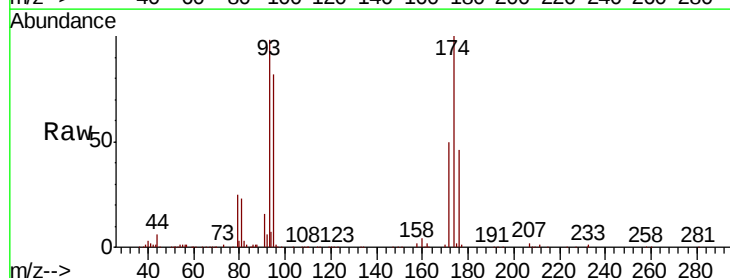
Tgt Ion: 93 Resp: 164186

Ion Ratio Lower Upper

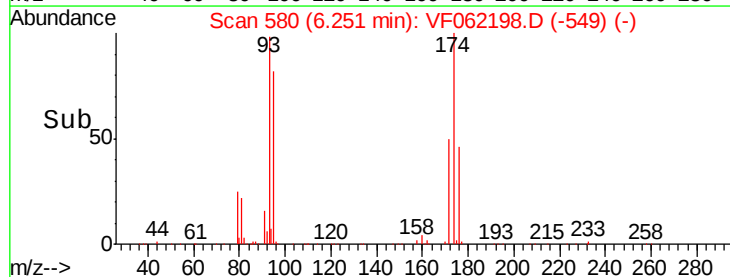
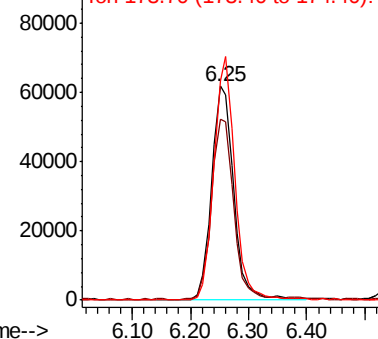
93 100

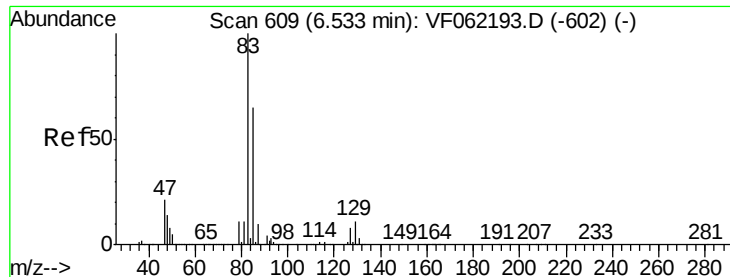
95 84.0 65.1 97.7

174 108.0 81.8 122.6



Abundance Ion 92.80 (92.50 to 93.50): VF0
Ion 94.80 (94.50 to 95.50): VF0
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 47.627 ug/l

RT: 6.55 min Scan# 610

Delta R.T. 0.01 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

Instrument :
MSVOA_F
ClientSampled :

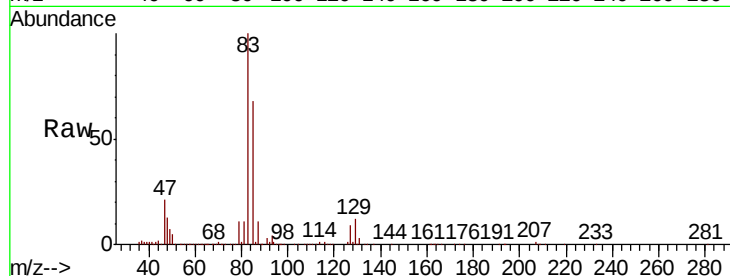
Tot Ion: 83 Resp: 378825

Ion Ratio Lower Upper

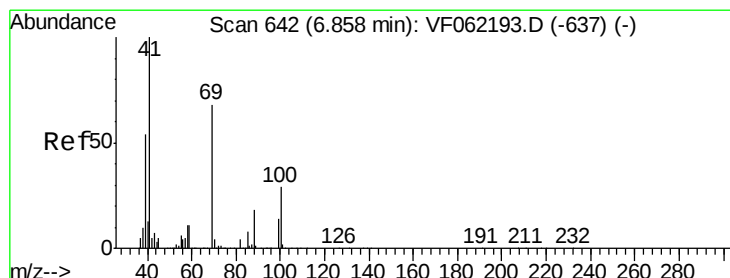
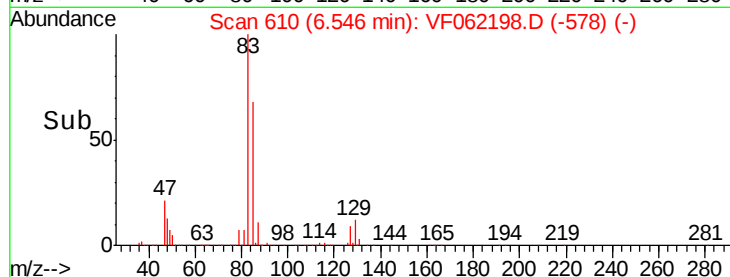
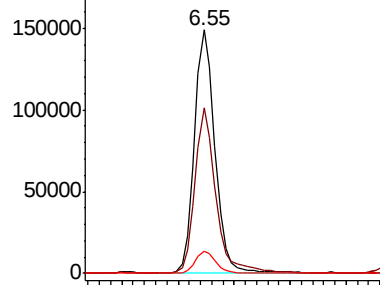
83 100

85 68.3 52.2 78.4

127 9.3 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VF0
200000 Ion 84.90 (84.60 to 85.60): VF0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 47.606 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.01 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

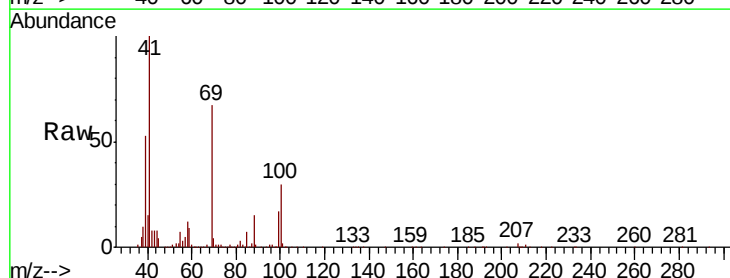
Tgt Ion: 41 Resp: 142374

Ion Ratio Lower Upper

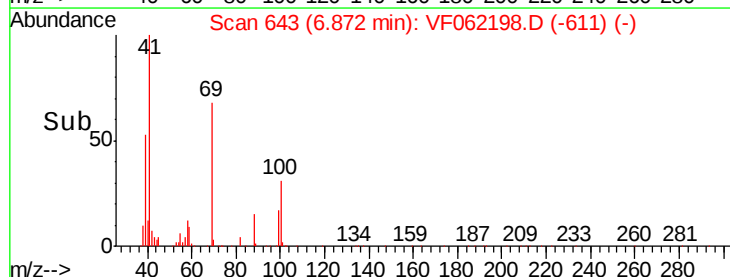
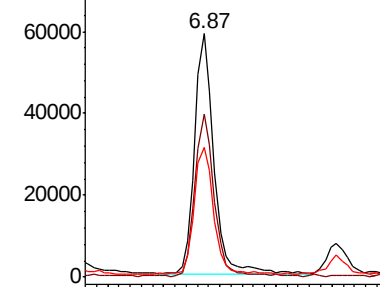
41 100

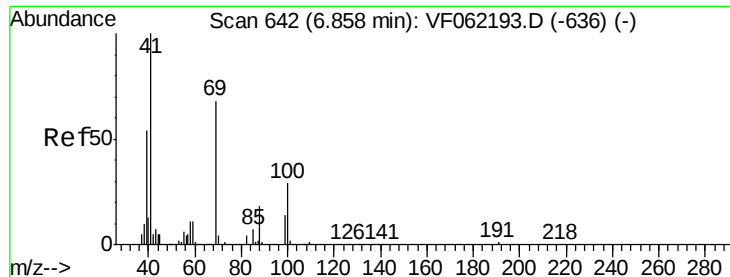
69 65.8 54.9 82.3

39 52.9 43.6 65.4



Abundance Ion 41.00 (40.70 to 41.70): VF0
80000 Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 914.416 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.00 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :

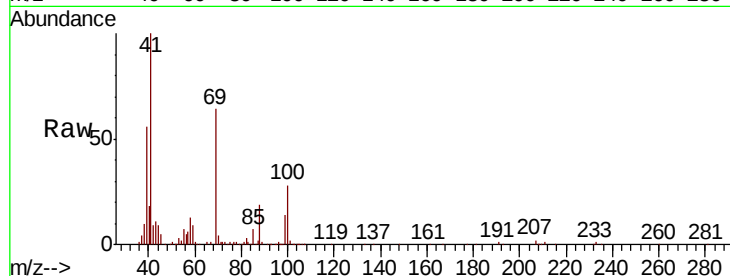
Tot Ion: 88 Resp: 31363

Ion Ratio Lower Upper

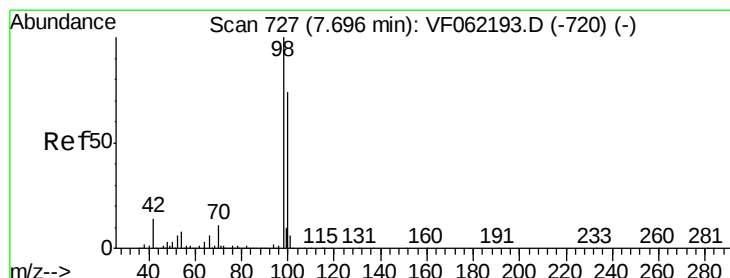
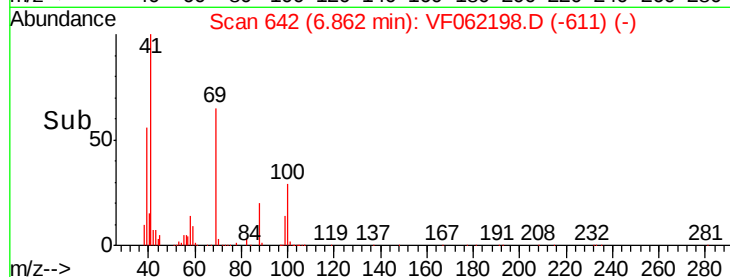
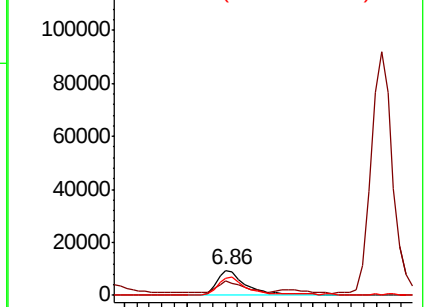
88 100

43 38.0 36.9 55.3

58 67.9 56.8 85.2



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



#50

Toluene-d8

Concen: 50.413 ug/l

RT: 7.70 min Scan# 727

Delta R.T. 0.00 min

Lab File: VF062198.D

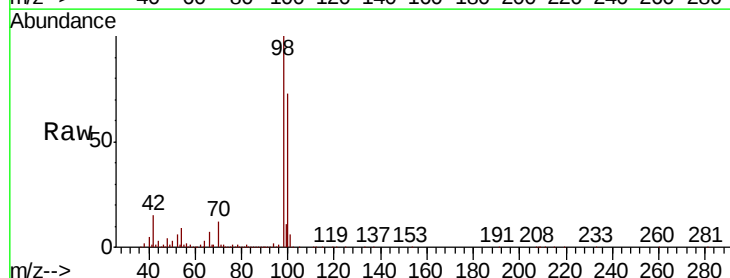
Acq: 18 Apr 2019 11:04

Tgt Ion: 98 Resp: 853701

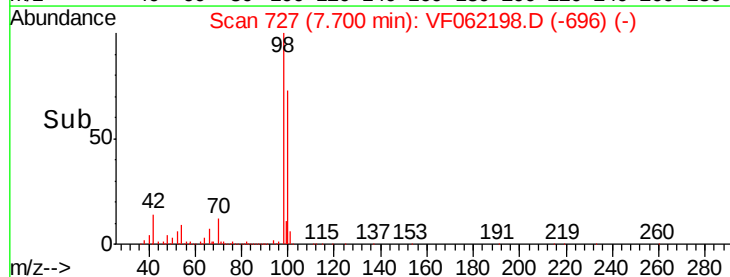
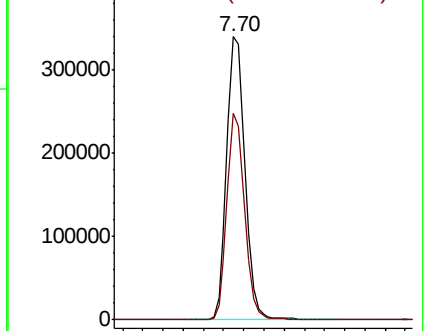
Ion Ratio Lower Upper

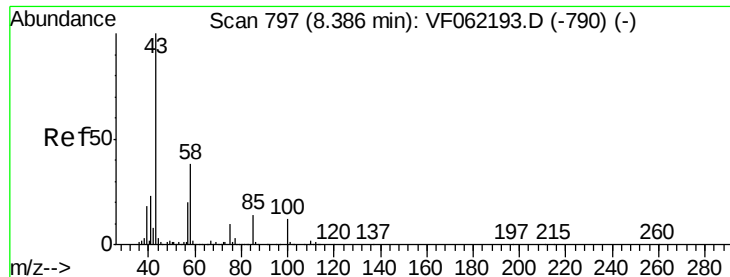
98 100

100 70.3 56.2 84.2



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





#51

4-Methyl-2-Pentanone

Concen: 233.743 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

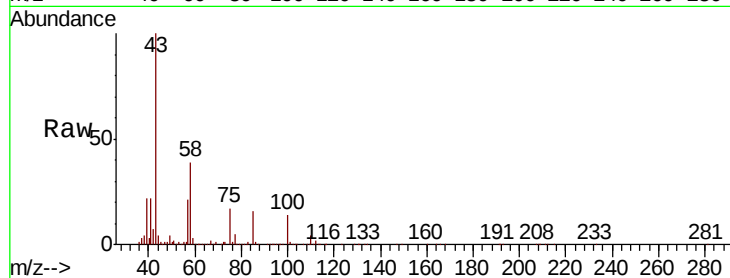
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 791166

Ion Ratio Lower Upper

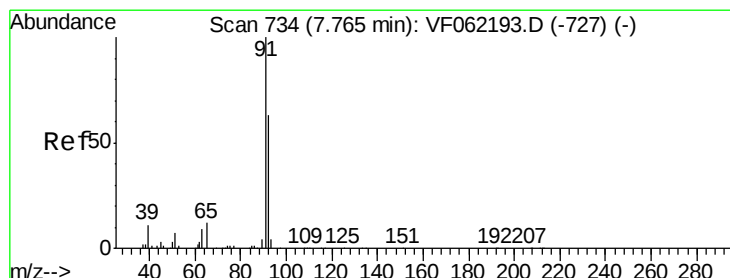
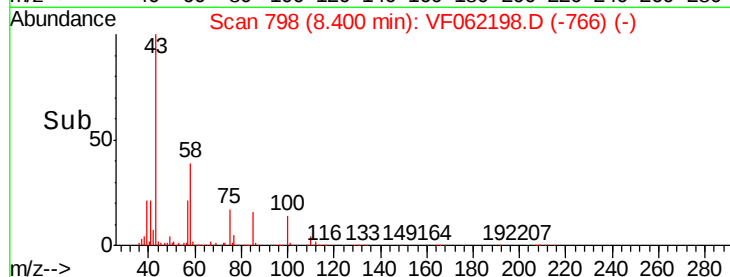
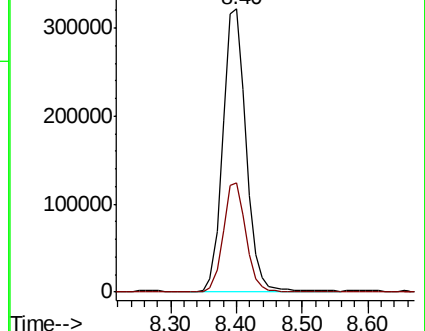
43 100

58 37.9 29.3 43.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 47.620 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF062198.D

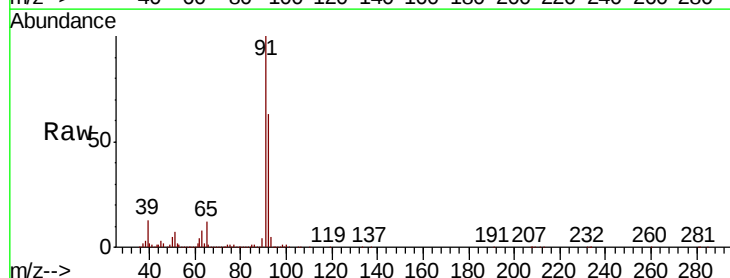
Acq: 18 Apr 2019 11:04

Tgt Ion: 92 Resp: 603715

Ion Ratio Lower Upper

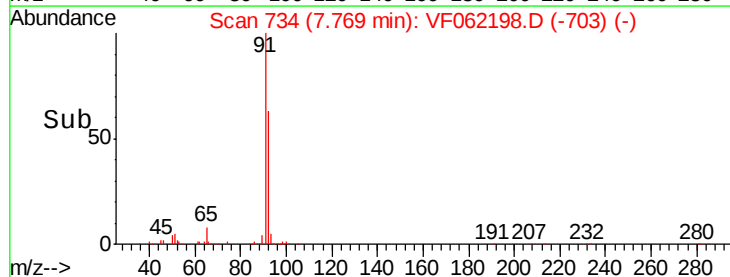
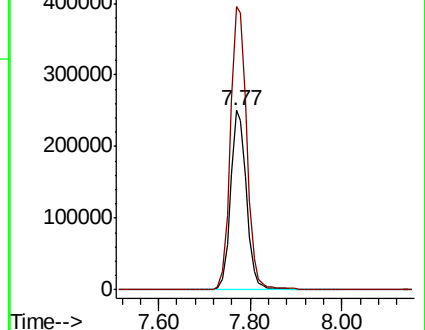
92 100

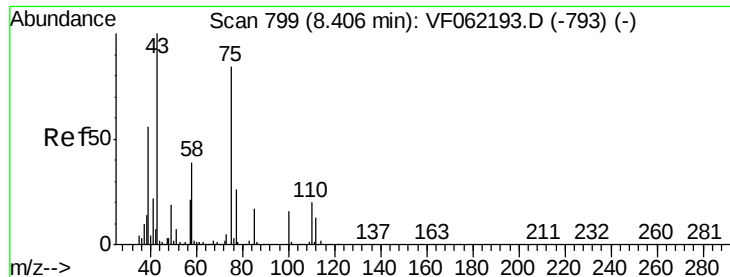
91 162.7 130.1 195.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

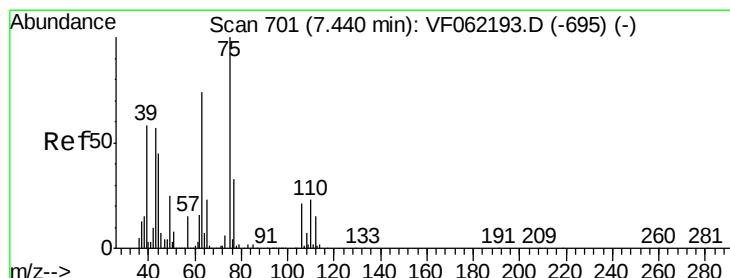
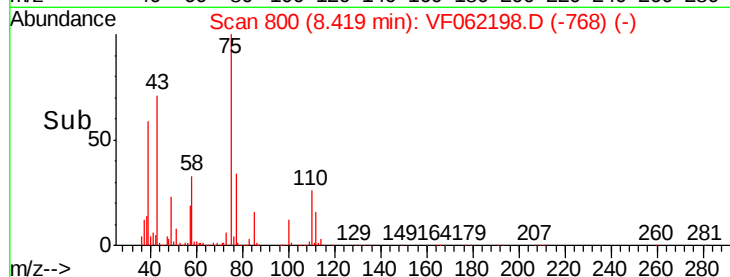
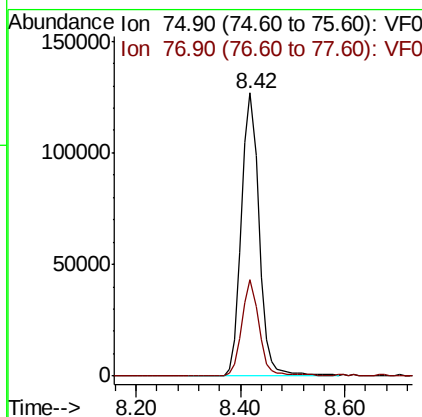
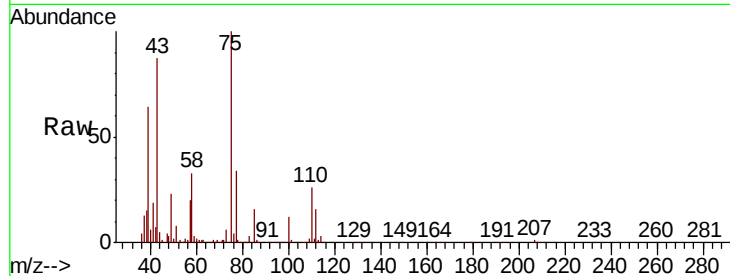




#53
t-1,3-Dichloropropene
Concen: 48.632 ug/l
RT: 8.42 min Scan# 800
Delta R.T. 0.01 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

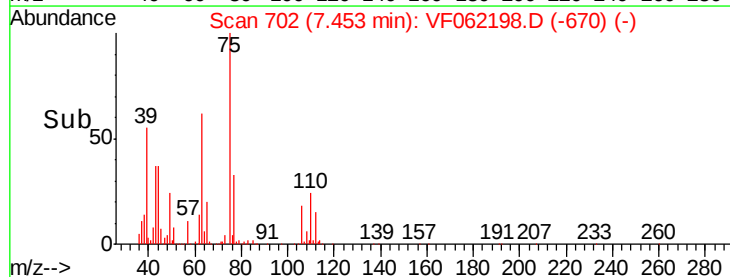
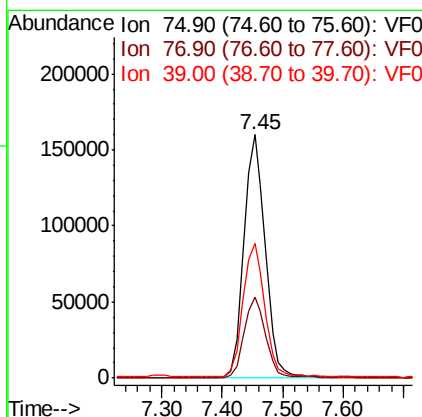
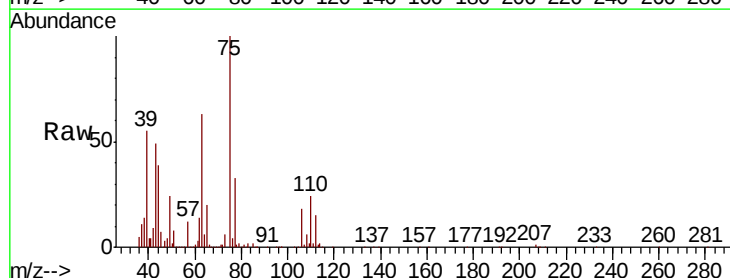
Instrument :
MSVOA_F
ClientSampleId :

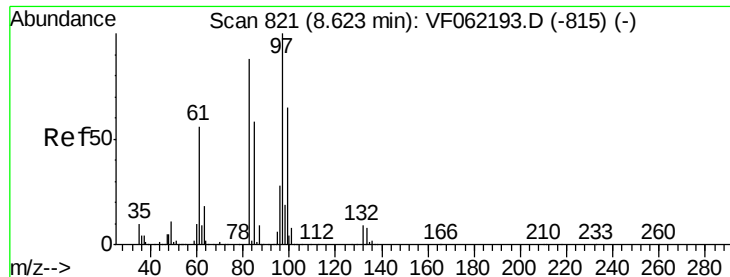
Tot Ion: 75 Resp: 290532
Ion Ratio Lower Upper
75 100
77 33.9 24.6 36.8



#54
cis-1,3-Dichloropropene
Concen: 48.448 ug/l
RT: 7.45 min Scan# 702
Delta R.T. 0.01 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

Tgt Ion: 75 Resp: 391505
Ion Ratio Lower Upper
75 100
77 33.1 26.4 39.6
39 54.9 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 47.429 ug/l

RT: 8.63 min Scan# 821

Delta R.T. 0.00 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 168444

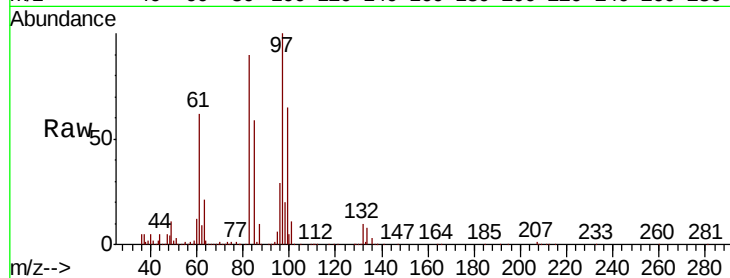
Ion Ratio Lower Upper

97 100

83 89.4 70.2 105.2

85 58.7 46.2 69.4

99 65.4 52.2 78.4



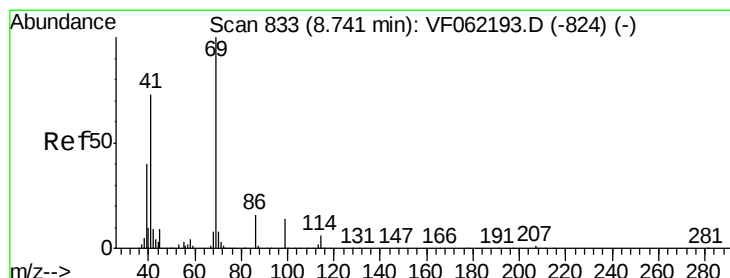
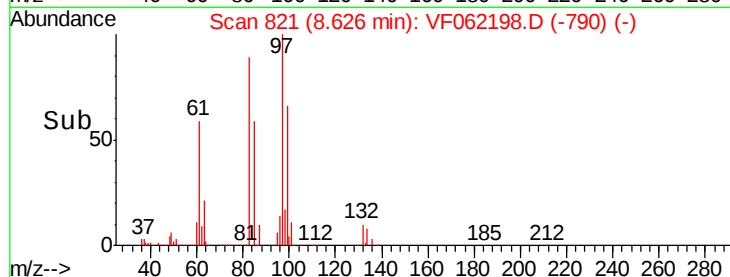
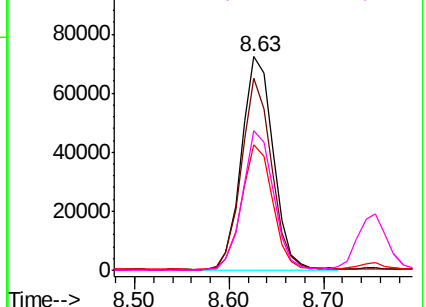
Abundance

Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#56

Ethyl methacrylate

Concen: 48.072 ug/l

RT: 8.75 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

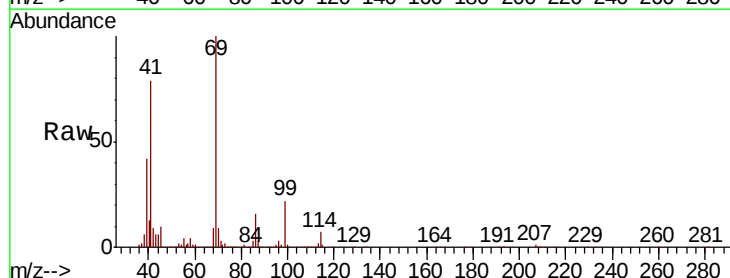
Tgt Ion: 69 Resp: 194109

Ion Ratio Lower Upper

69 100

41 79.1 61.5 92.3

39 45.0 33.3 49.9

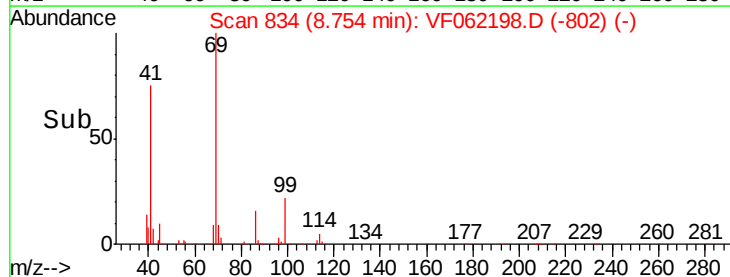
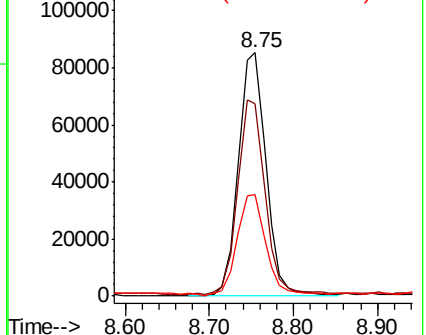


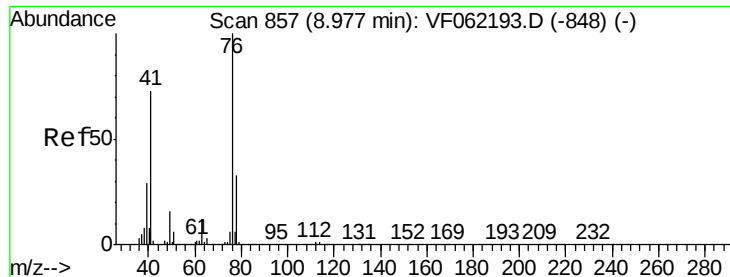
Abundance

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: 48.959 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.01 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

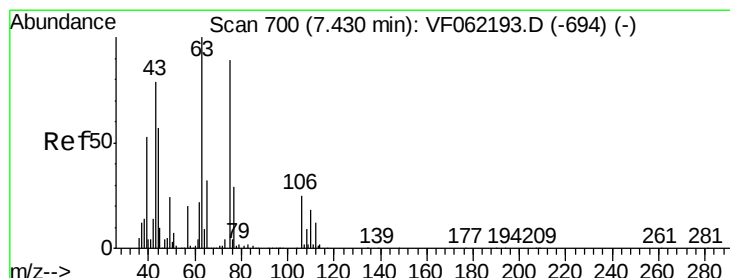
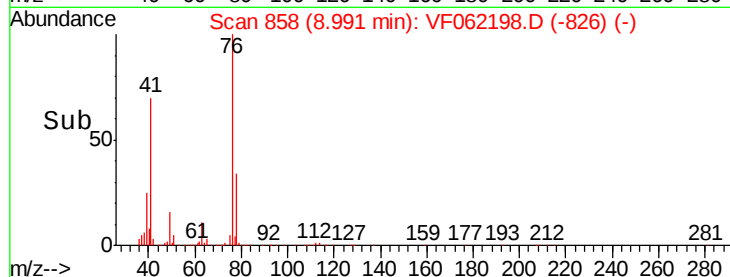
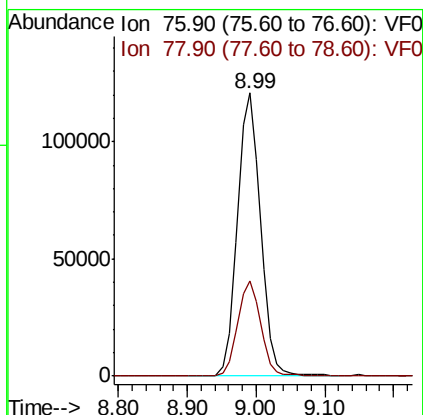
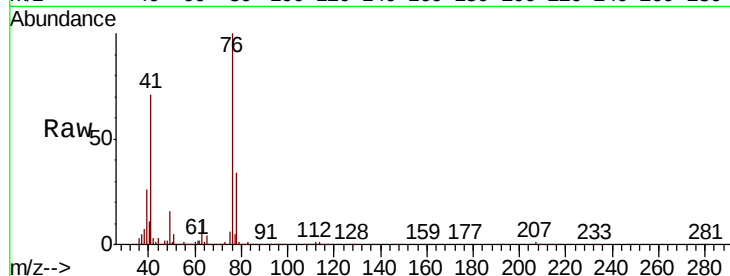
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 280778

Ion Ratio Lower Upper

76 100

78 33.9 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 246.943 ug/l

RT: 7.44 min Scan# 701

Delta R.T. 0.01 min

Lab File: VF062198.D

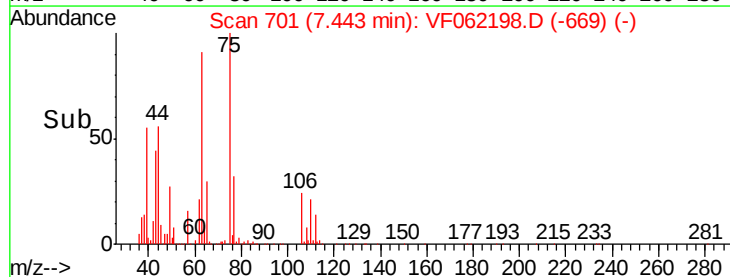
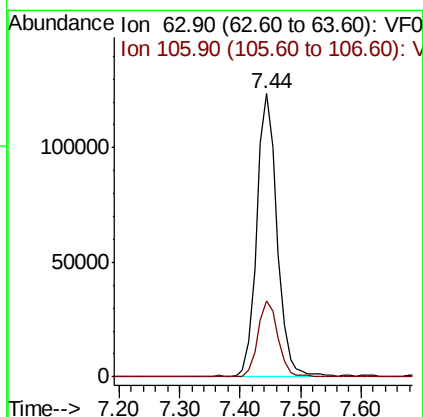
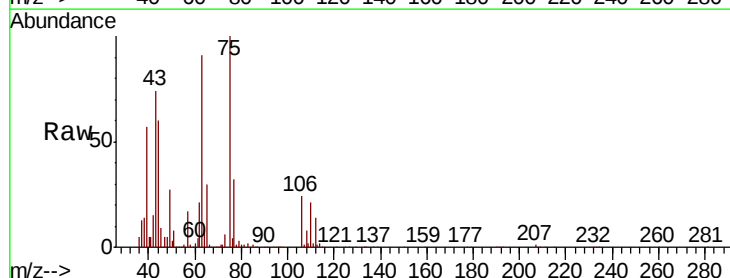
Acq: 18 Apr 2019 11:04

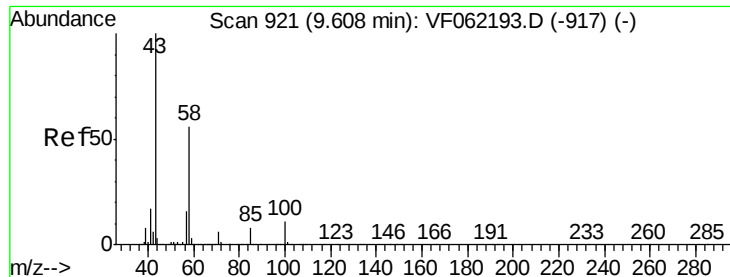
Tgt Ion: 63 Resp: 289502

Ion Ratio Lower Upper

63 100

106 26.8 21.4 32.0

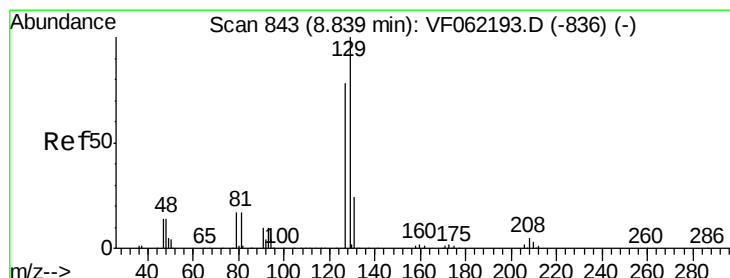
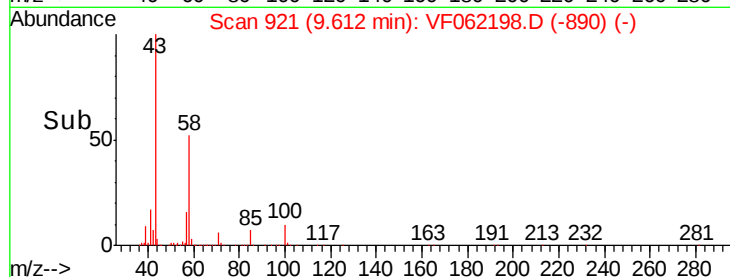
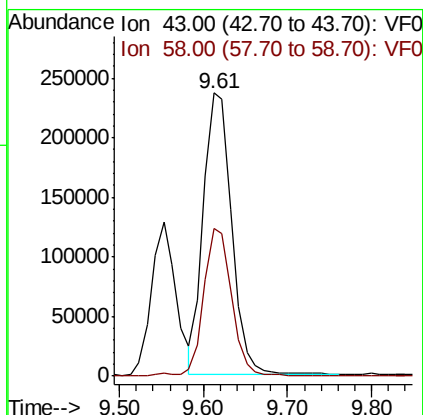
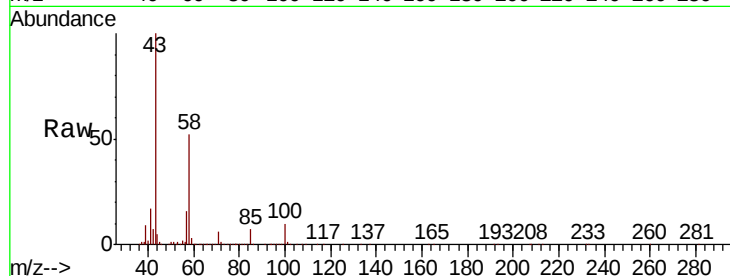




#59
2-Hexanone
Concen: 260.820 ug/l
RT: 9.61 min Scan# 921
Delta R.T. 0.00 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

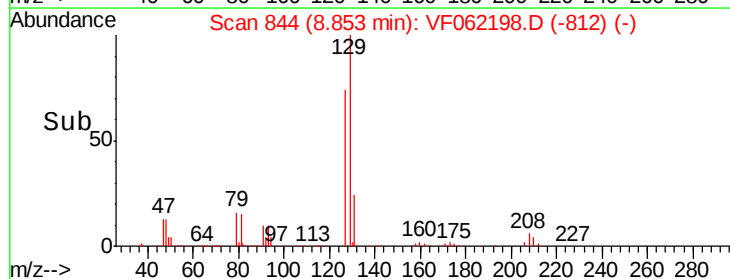
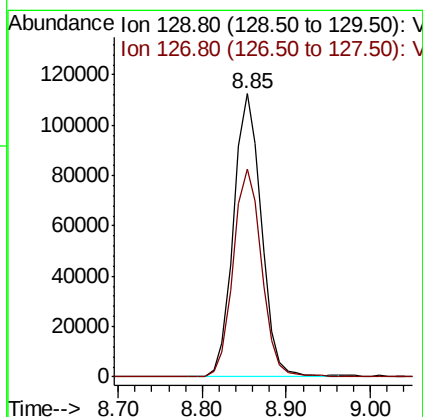
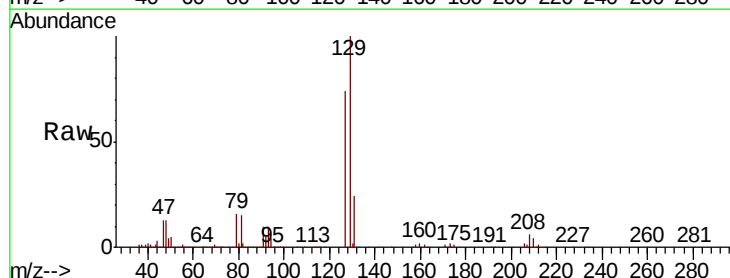
Instrument :
MSVOA_F
ClientSampleId :

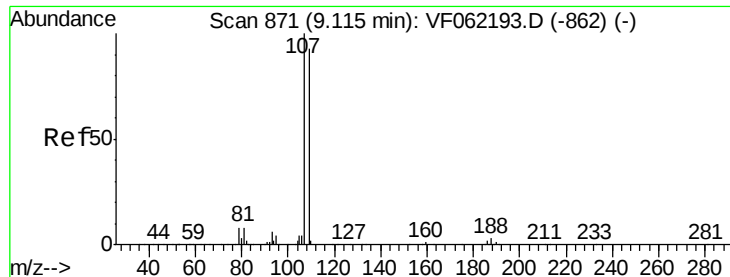
Tot Ion: 43 Resp: 550535
Ion Ratio Lower Upper
43 100
58 52.3 24.6 74.0



#60
Dibromochloromethane
Concen: 49.068 ug/l
RT: 8.85 min Scan# 844
Delta R.T. 0.01 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

Tgt Ion:129 Resp: 259167
Ion Ratio Lower Upper
129 100
127 75.0 39.0 117.0





#61

1,2-Dibromoethane

Concen: 47.651 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.01 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

Instrument :

MSVOA_F

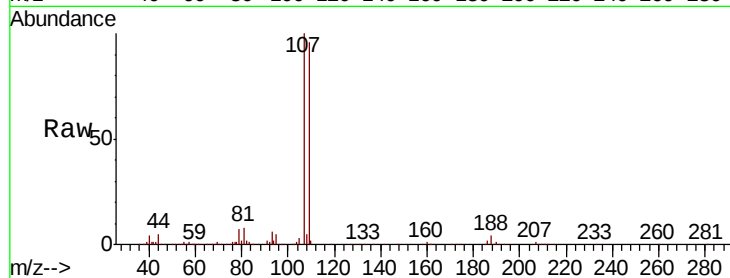
ClientSampleId :

Tot Ion:107 Resp: 190661

Ion Ratio Lower Upper

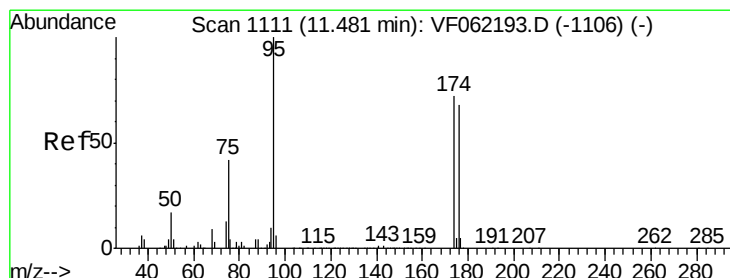
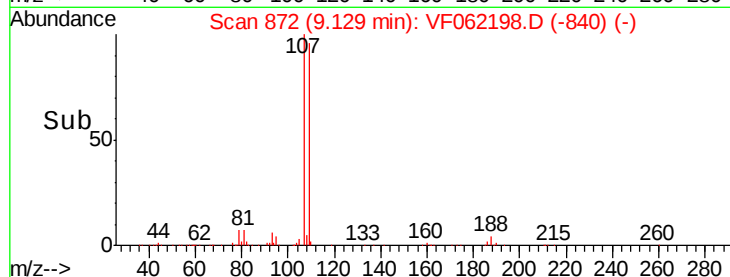
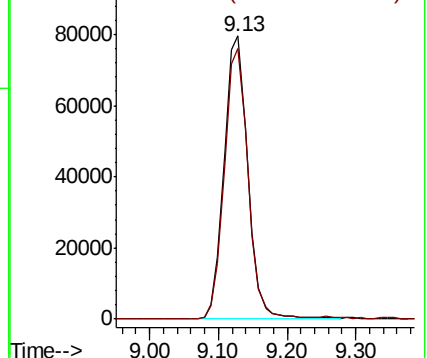
107 100

109 95.2 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.752 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

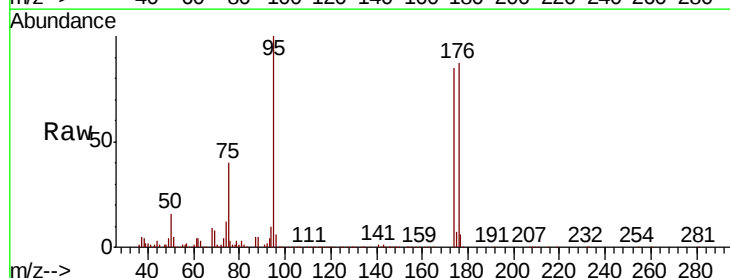
Tgt Ion: 95 Resp: 343653

Ion Ratio Lower Upper

95 100

174 81.8 0.0 159.4

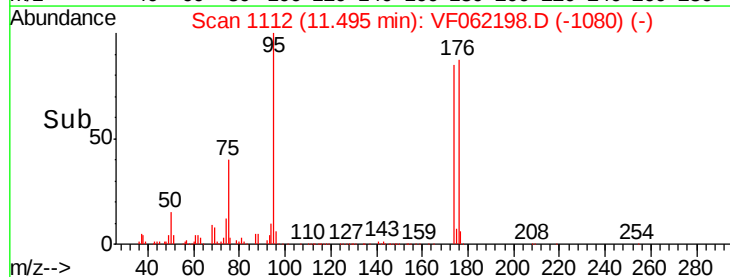
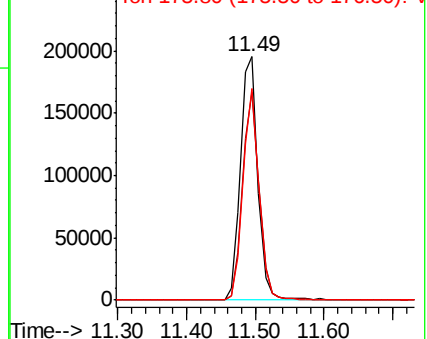
176 80.9 0.0 155.4

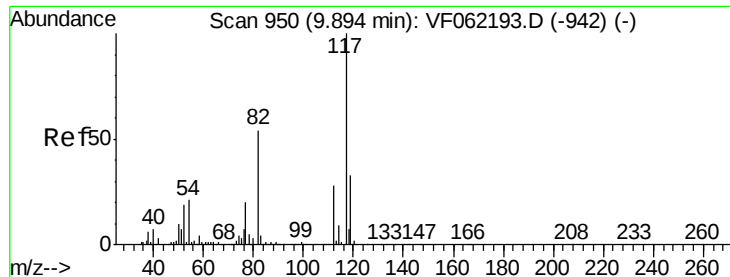


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

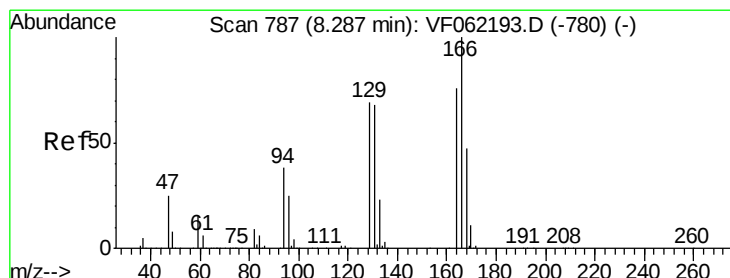
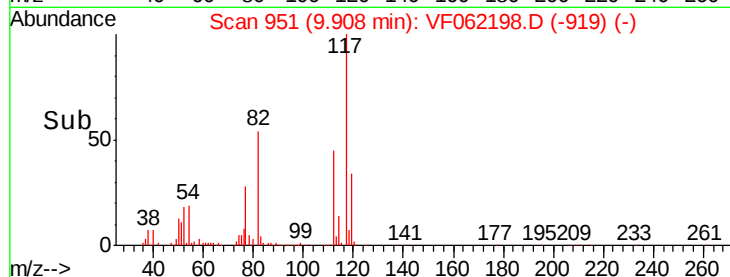
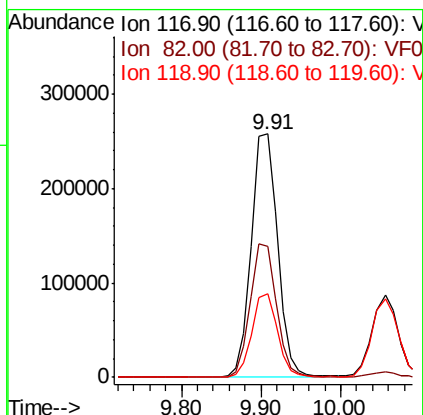
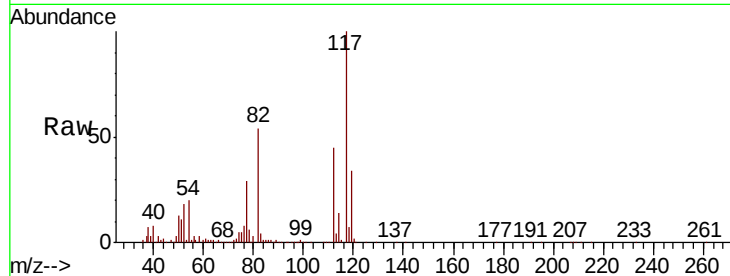




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. 0.01 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

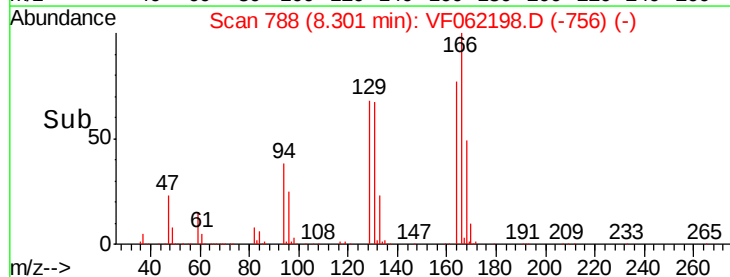
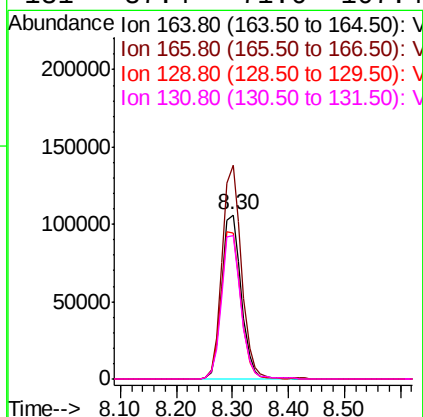
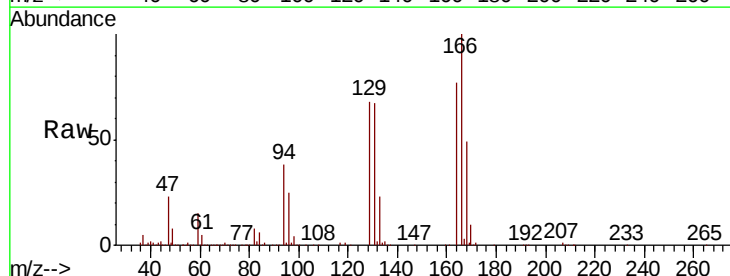
Instrument :
MSVOA_F
ClientSampleId :

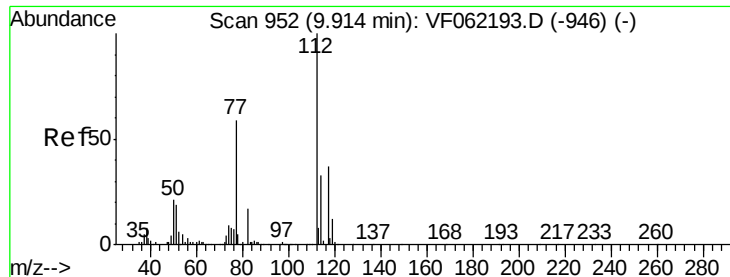
Tot Ion:117 Resp: 586570
Ion Ratio Lower Upper
117 100
82 53.8 43.2 64.8
119 34.3 26.2 39.4



#64
Tetrachloroethene
Concen: 49.157 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.01 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

Tgt Ion:164 Resp: 260288
Ion Ratio Lower Upper
164 100
166 130.1 104.7 157.1
129 88.6 72.6 109.0
131 87.4 71.6 107.4





#65

Chlorobenzene

Concen: 50.542 ug/l

RT: 9.93 min Scan# 953

Delta R.T. 0.01 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

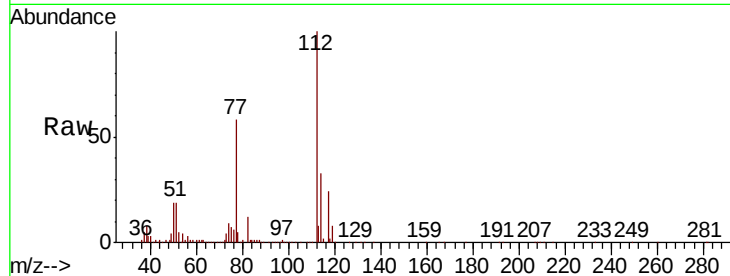
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:112 Resp: 632149

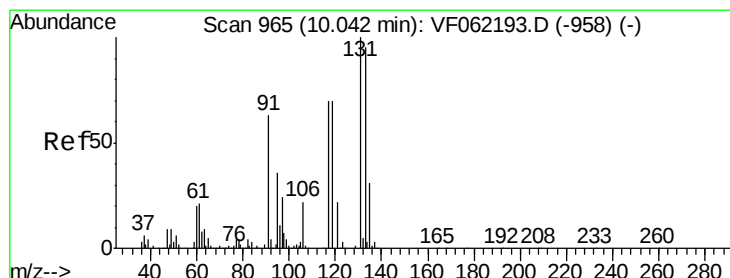
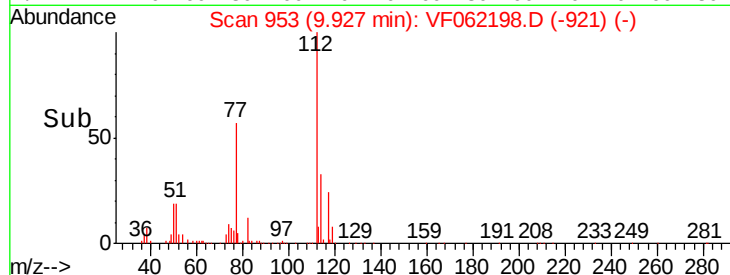
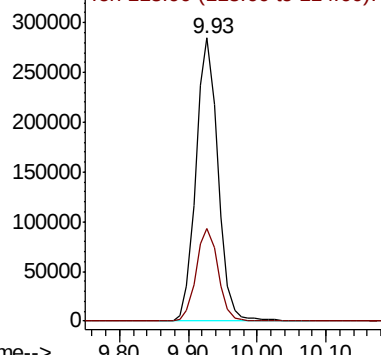
Ion Ratio Lower Upper

112 100

114 32.8 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 46.456 ug/l

RT: 10.06 min Scan# 966

Delta R.T. 0.01 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

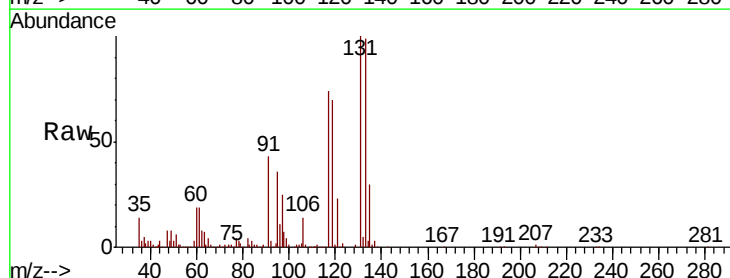
Tgt Ion:131 Resp: 272102

Ion Ratio Lower Upper

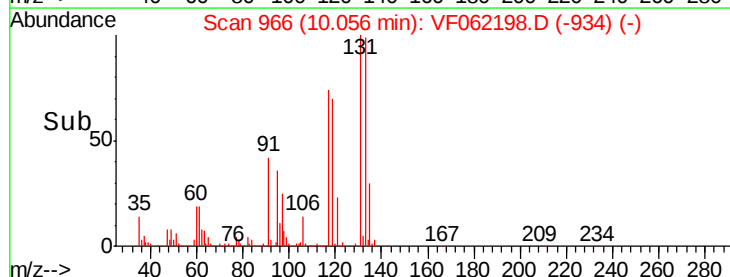
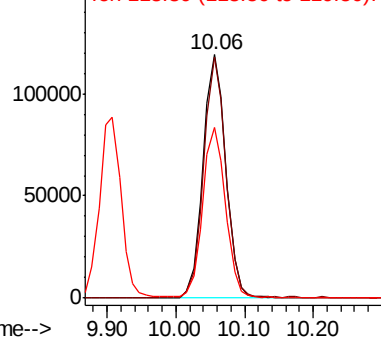
131 100

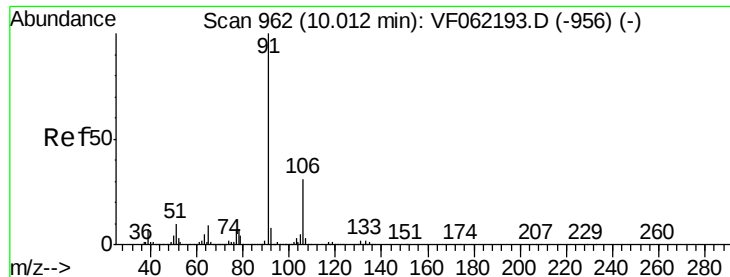
133 96.6 47.7 143.1

119 70.1 34.6 103.9



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 49.008 ug/l

RT: 10.03 min Scan# 963

Delta R.T. 0.01 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

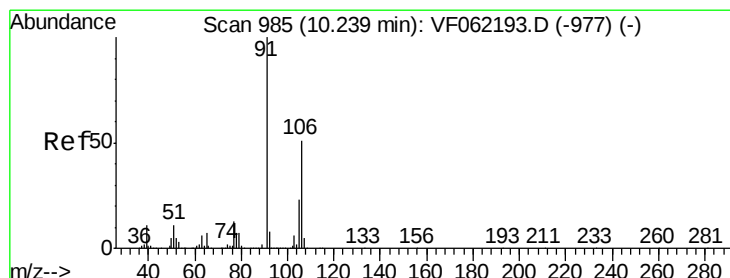
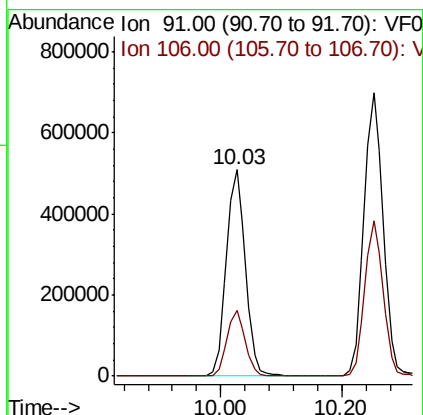
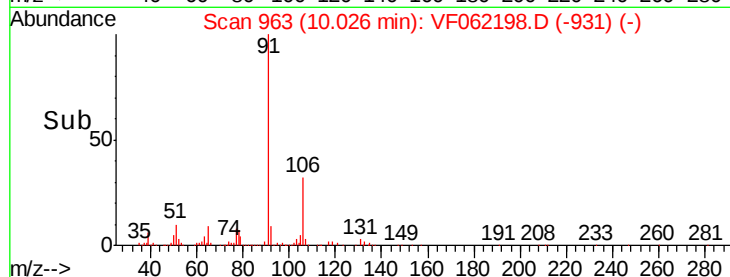
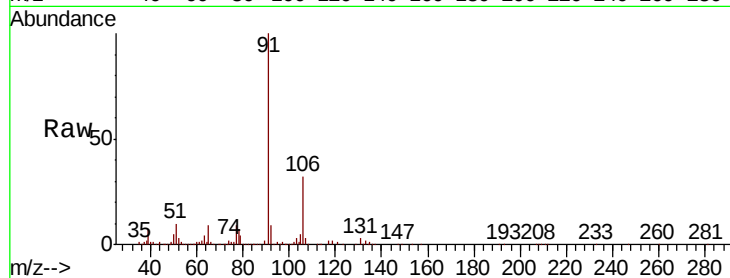
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 1114607

Ion Ratio Lower Upper

91 100

106 31.9 24.9 37.3



#68

m/p-Xylenes

Concen: 97.543 ug/l

RT: 10.25 min Scan# 986

Delta R.T. 0.01 min

Lab File: VF062198.D

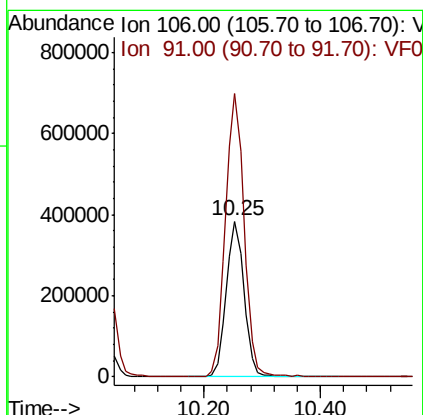
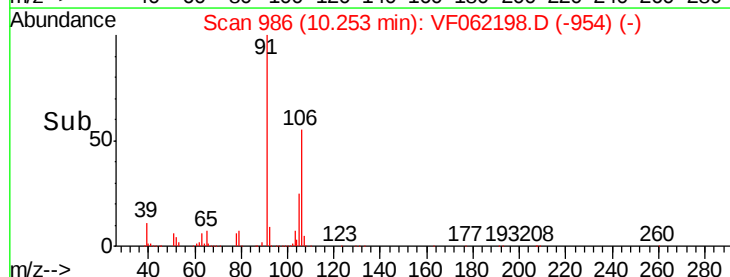
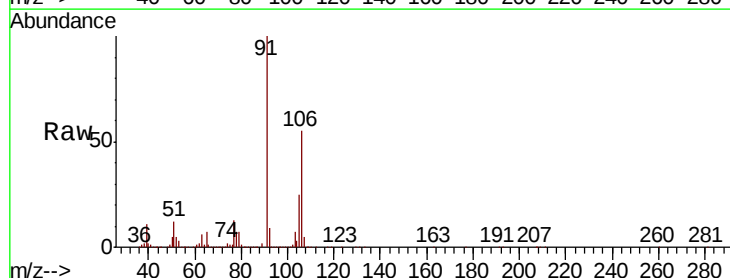
Acq: 18 Apr 2019 11:04

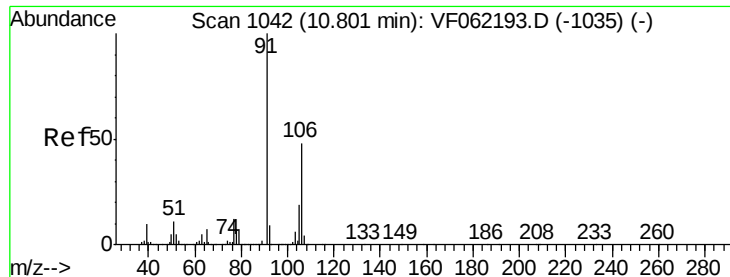
Tgt Ion: 106 Resp: 816662

Ion Ratio Lower Upper

106 100

91 190.0 159.1 238.7

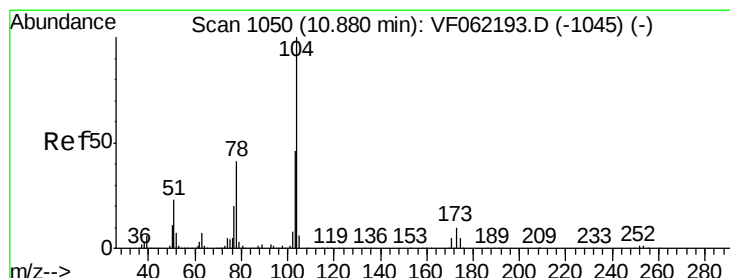
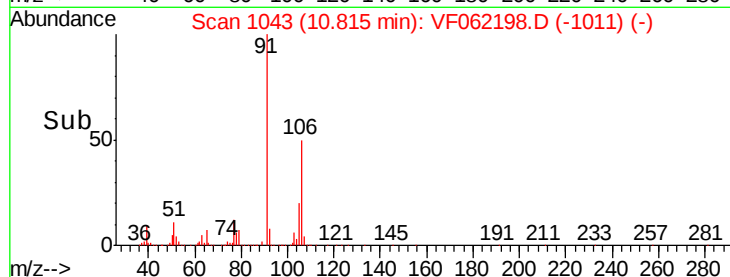
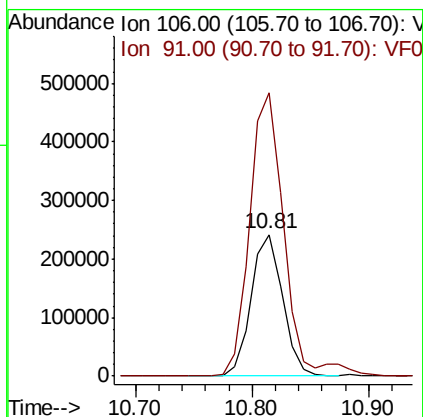
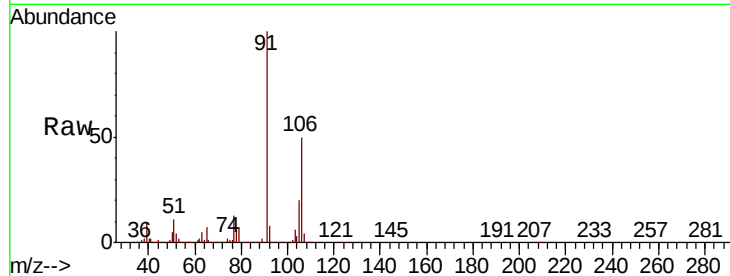




#69
o-Xylene
Concen: 48.847 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

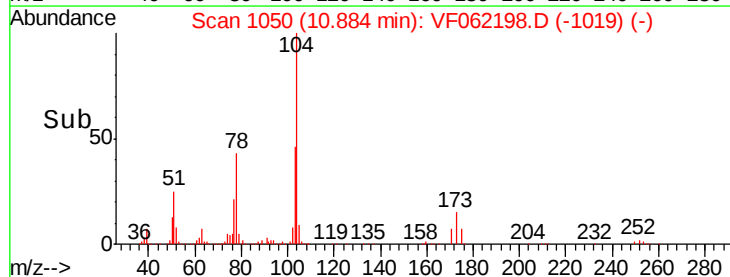
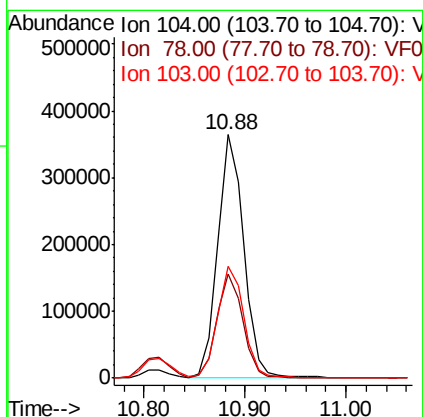
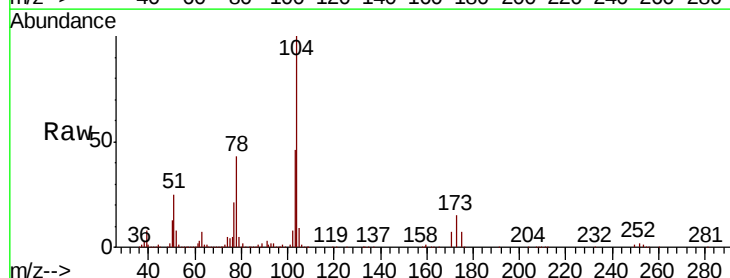
Instrument :
MSVOA_F
ClientSampled :

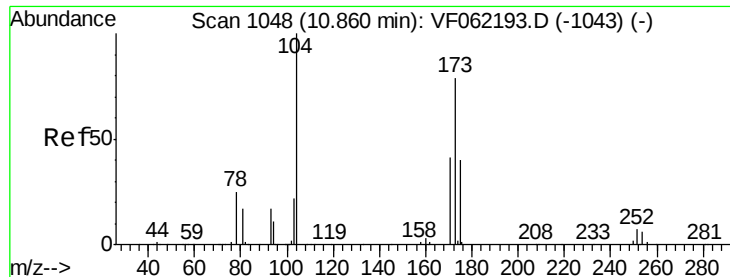
Tot Ion:106 Resp: 454057
Ion Ratio Lower Upper
106 100
91 217.2 107.5 322.4



#70
Styrene
Concen: 50.008 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

Tgt Ion:104 Resp: 655996
Ion Ratio Lower Upper
104 100
78 42.9 34.5 51.7
103 46.9 37.2 55.8





#71

Bromoform

Concen: 48.656 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. 0.01 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

Instrument :

MSVOA_F

ClientSampled :

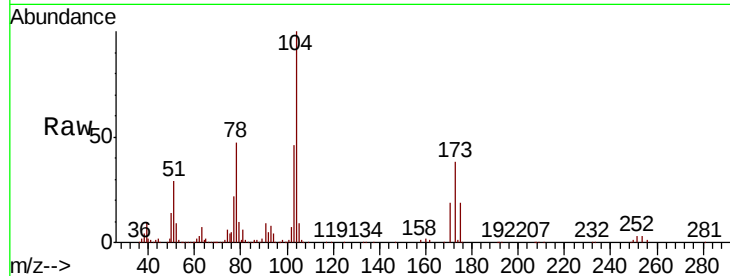
Tot Ion:173 Resp: 150467

Ion Ratio Lower Upper

173 100

175 48.7 24.5 73.5

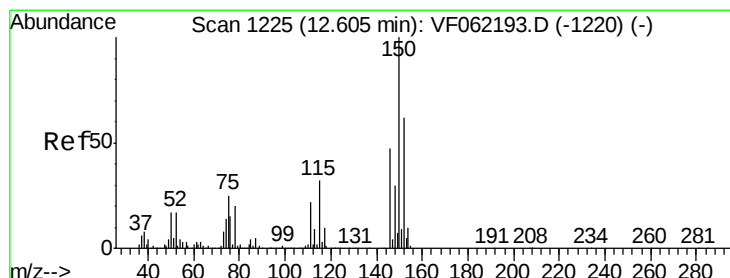
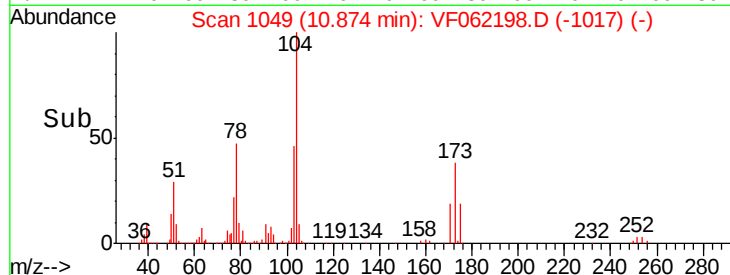
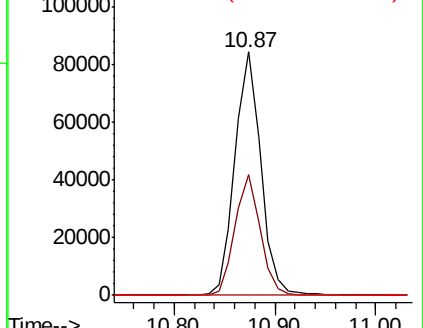
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

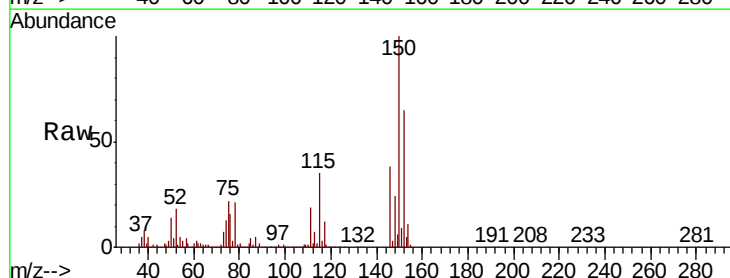
Tgt Ion:152 Resp: 306259

Ion Ratio Lower Upper

152 100

115 55.0 27.8 83.3

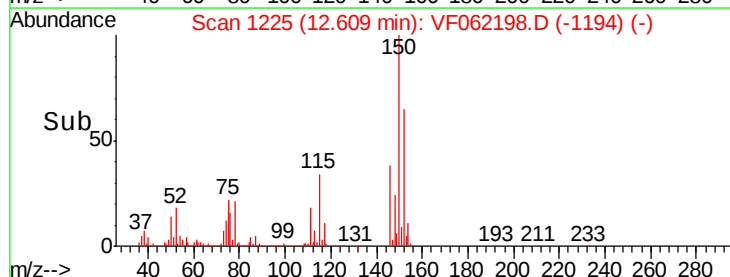
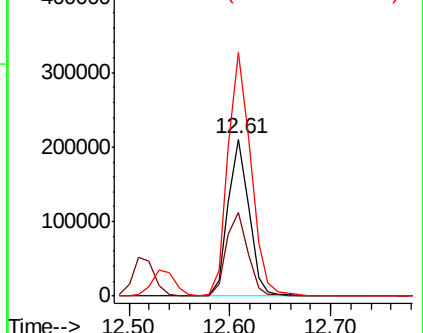
150 169.3 0.0 341.8

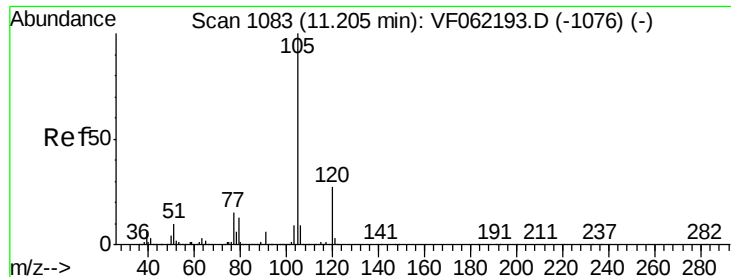


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.433 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

Instrument :

MSVOA_F

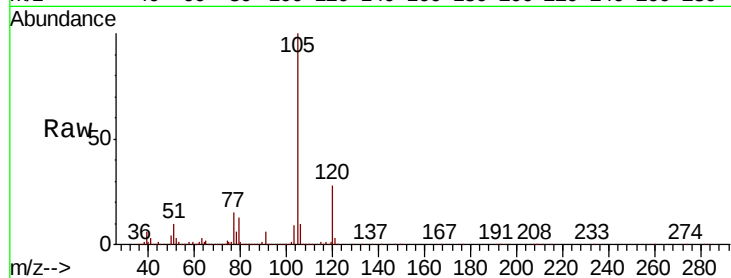
ClientSampleId :

Tot Ion:105 Resp: 1300471

Ion Ratio Lower Upper

105 100

120 26.6 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

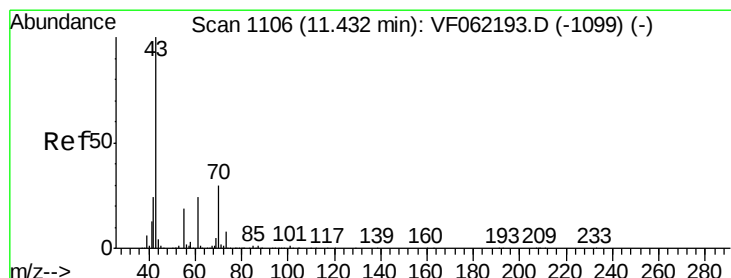
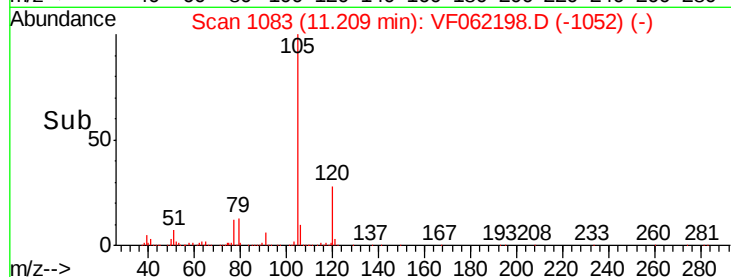
0

11.21

11.20

11.40

Time-->



#74

N-ethyl acetate

Concen: 54.126 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

Tgt Ion: 43 Resp: 336719

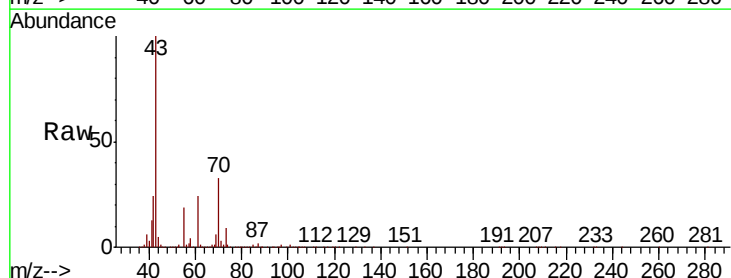
Ion Ratio Lower Upper

43 100

70 34.4 27.0 40.4

55 19.5 15.7 23.5

61 25.7 20.8 31.2



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

300000

200000

100000

0

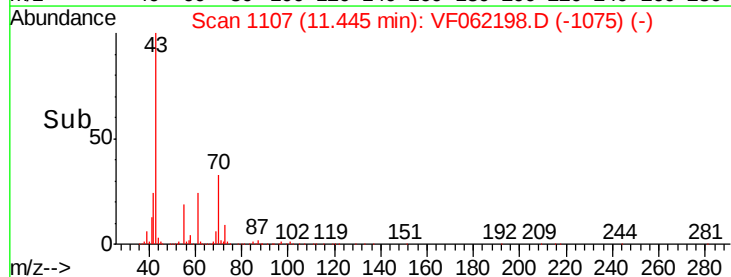
11.45

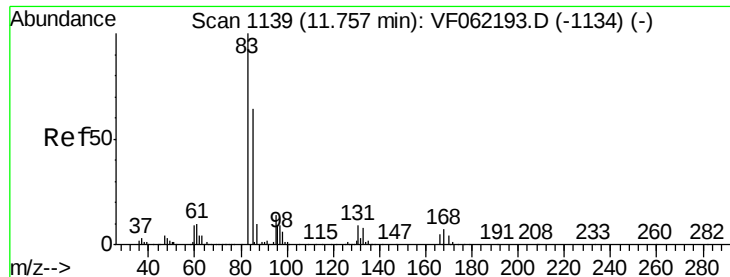
11.30

11.50

11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.256 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

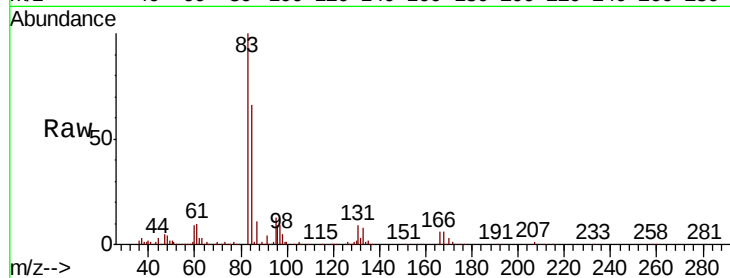
Tot Ion: 83 Resp: 222848

Ion Ratio Lower Upper

83 100

131 10.1 4.5 13.5

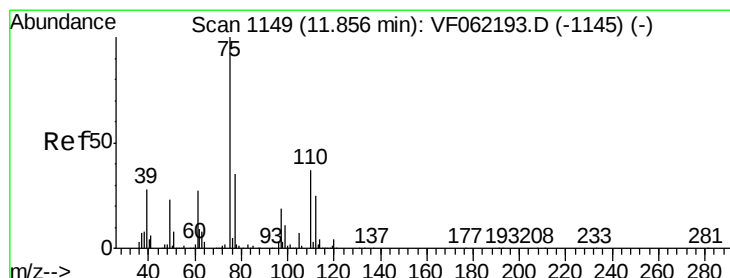
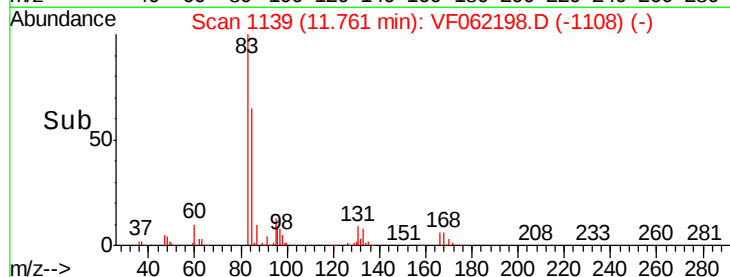
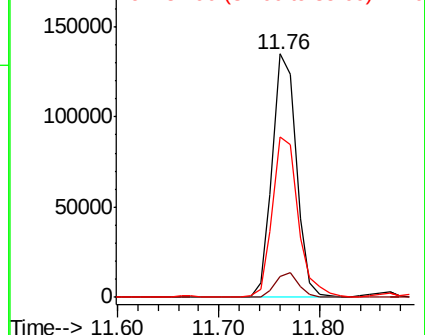
85 71.2 34.7 104.1



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): VF0

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 48.217 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VF062198.D

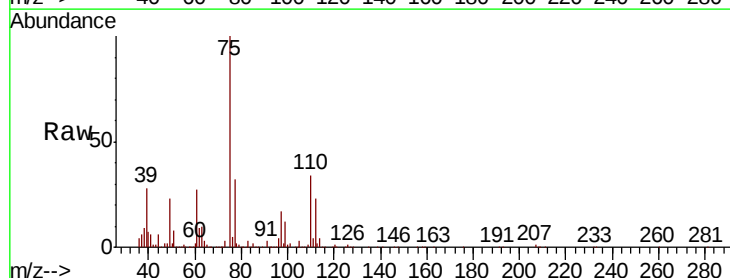
Acq: 18 Apr 2019 11:04

Tgt Ion: 75 Resp: 150087

Ion Ratio Lower Upper

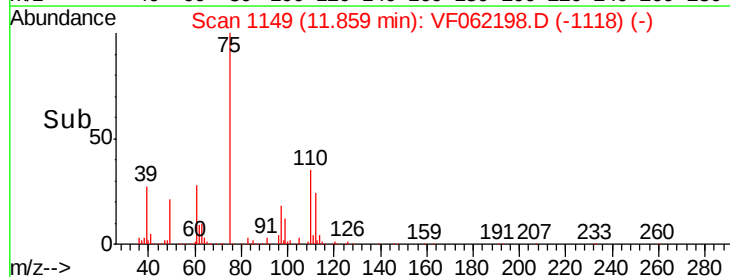
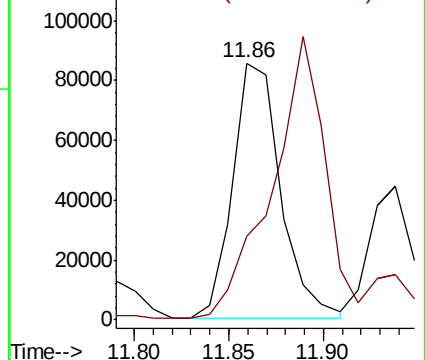
75 100

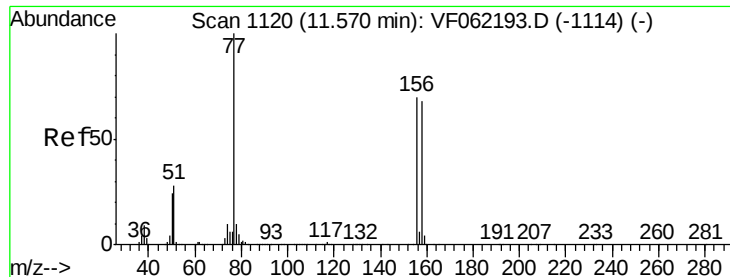
77 0.0 7.4 22.2#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 51.416 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

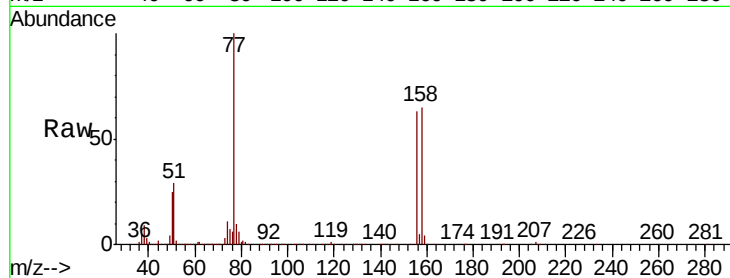
Tot Ion:156 Resp: 289765

Ion Ratio Lower Upper

156 100

77 158.5 80.9 242.7

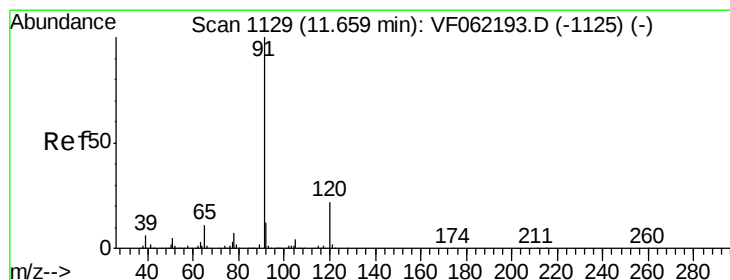
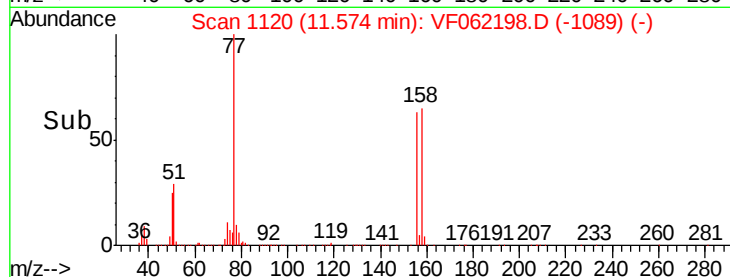
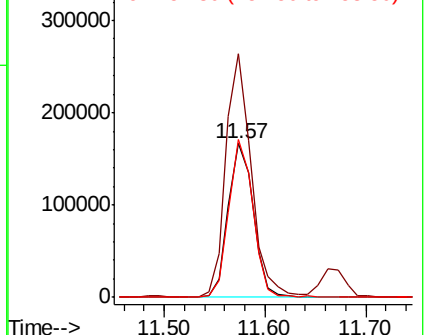
158 98.7 49.8 149.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.961 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VF062198.D

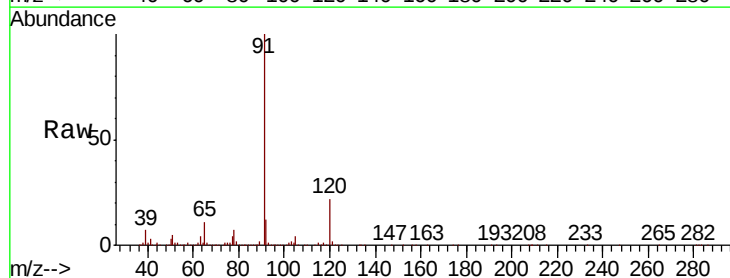
Acq: 18 Apr 2019 11:04

Tgt Ion: 91 Resp: 1358777

Ion Ratio Lower Upper

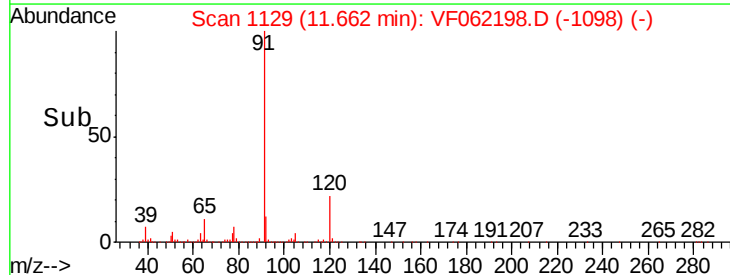
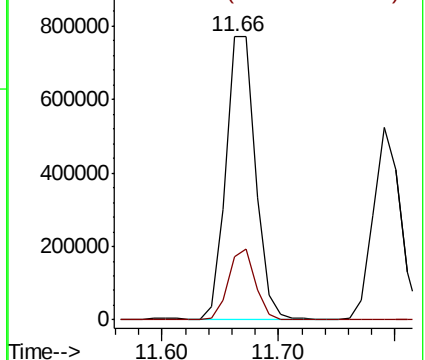
91 100

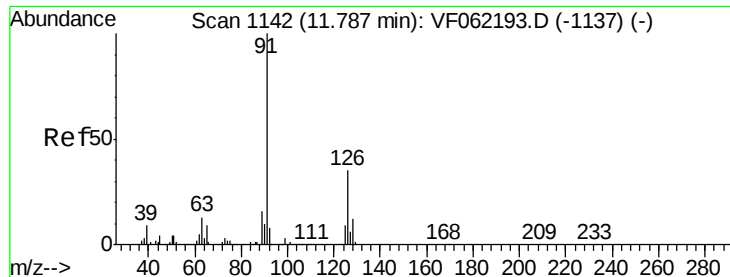
120 22.9 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.039 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

Instrument :

MSVOA_F

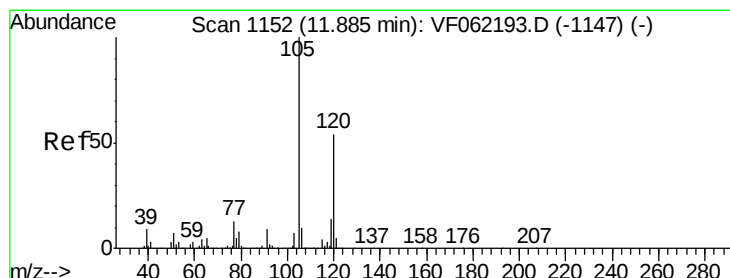
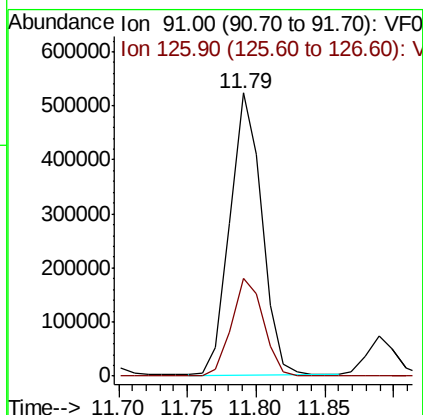
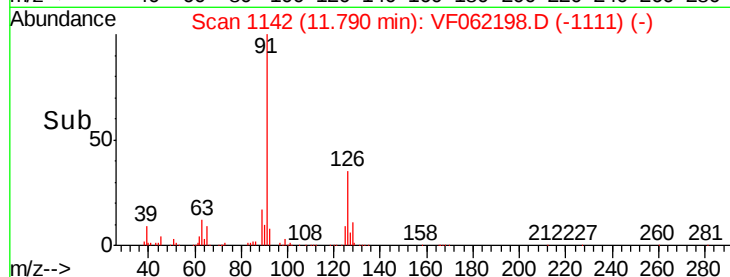
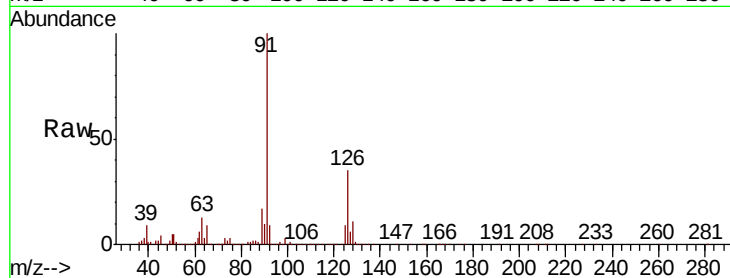
ClientSampleId :

Tot Ion: 91 Resp: 842390

Ion Ratio Lower Upper

91 100

126 35.2 16.9 50.6



#80

1,3,5-Trimethylbenzene

Concen: 48.280 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF062198.D

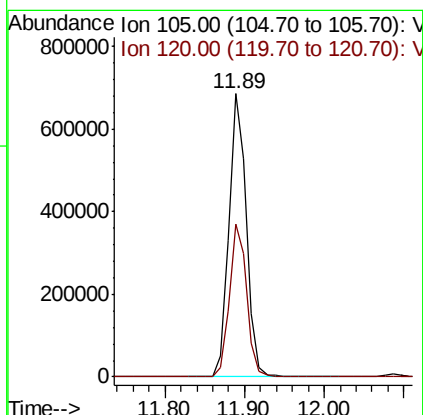
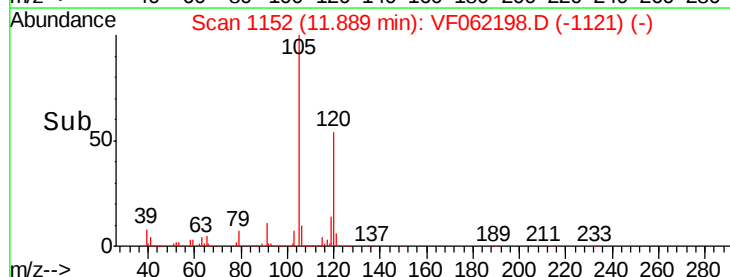
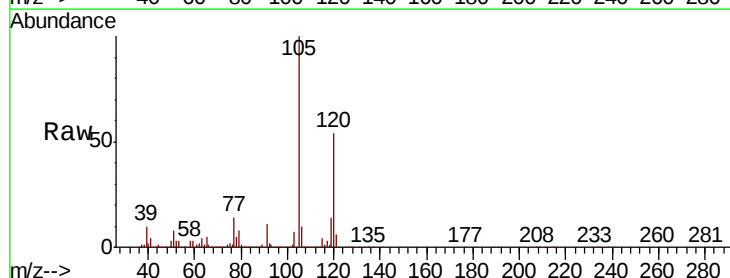
Acq: 18 Apr 2019 11:04

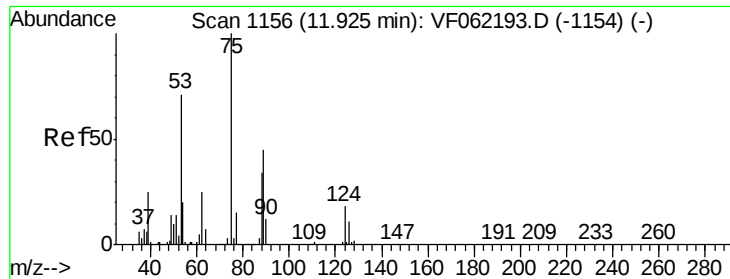
Tgt Ion: 105 Resp: 1057881

Ion Ratio Lower Upper

105 100

120 53.2 26.2 78.5





#81

trans-1,4-Dichloro-2-butene

Concen: 58.818 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. 0.01 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

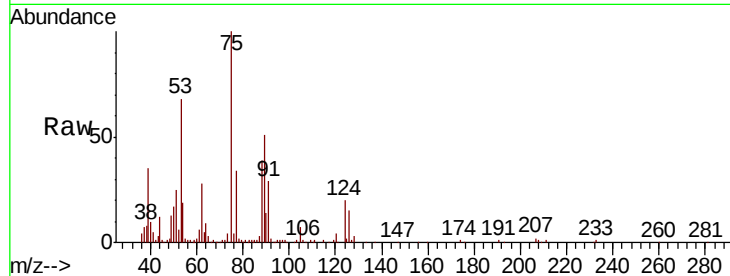
Tot Ion: 75 Resp: 93374

Ion Ratio Lower Upper

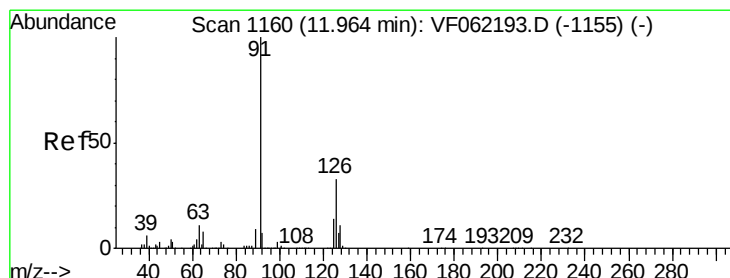
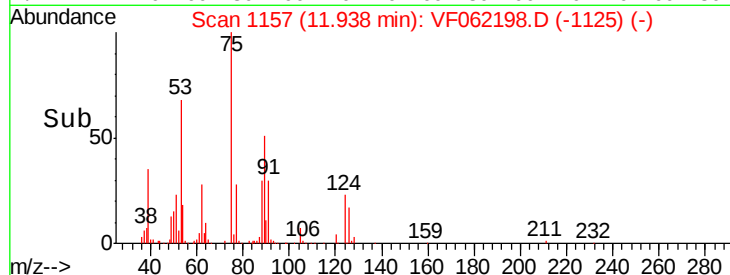
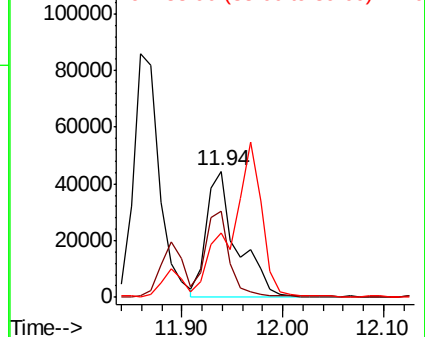
75 100

53 53.9 50.2 75.4

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 50.959 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF062198.D

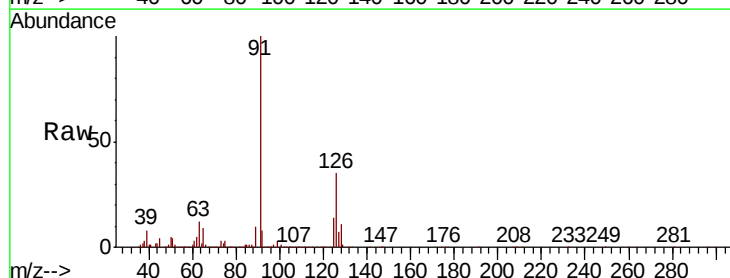
Acq: 18 Apr 2019 11:04

Tgt Ion: 91 Resp: 829066

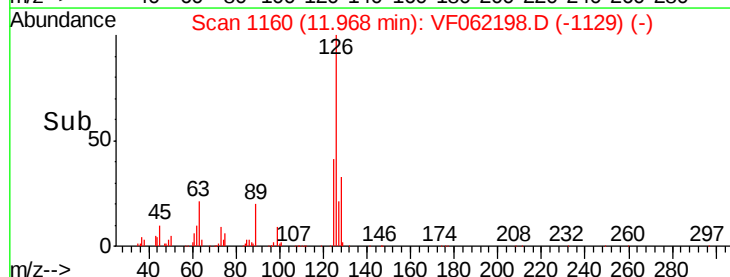
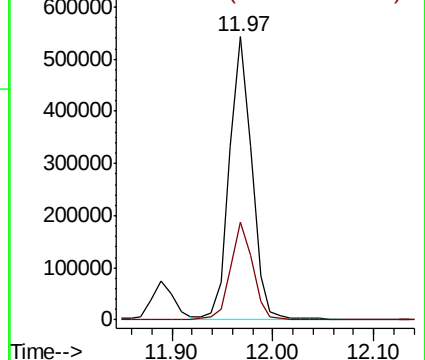
Ion Ratio Lower Upper

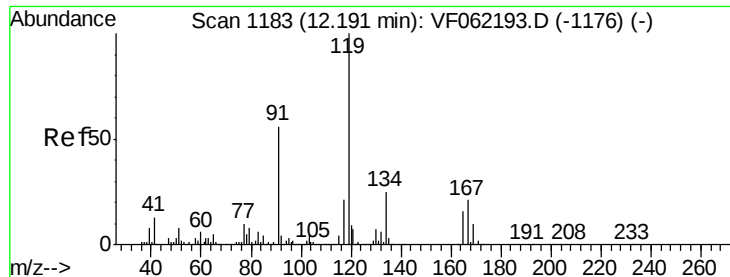
91 100

126 34.9 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 125.90 (125.60 to 126.60): V

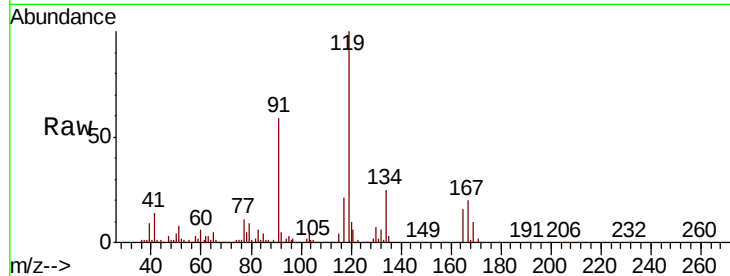




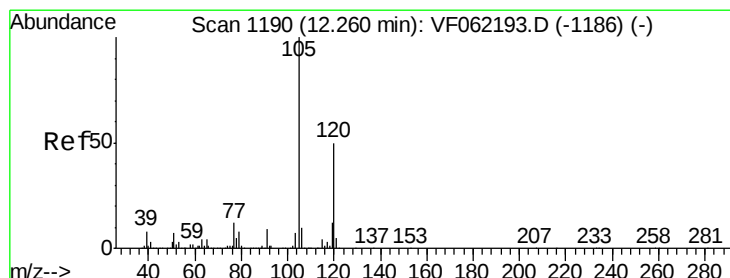
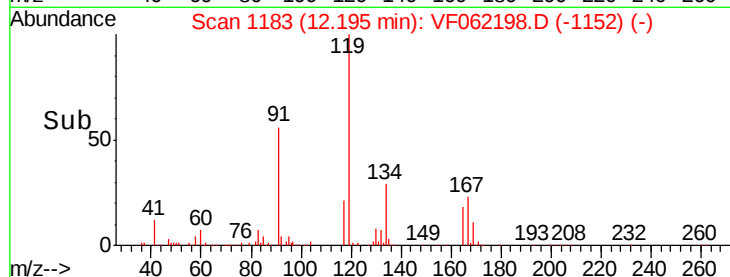
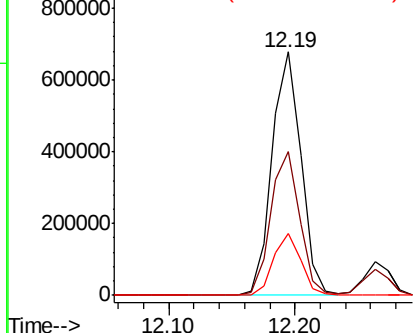
#83
tert-Butylbenzene
Concen: 47.994 ug/l
RT: 12.19 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:119 Resp: 1087490
Ion Ratio Lower Upper
119 100
91 58.2 29.4 88.2
134 24.3 11.8 35.3

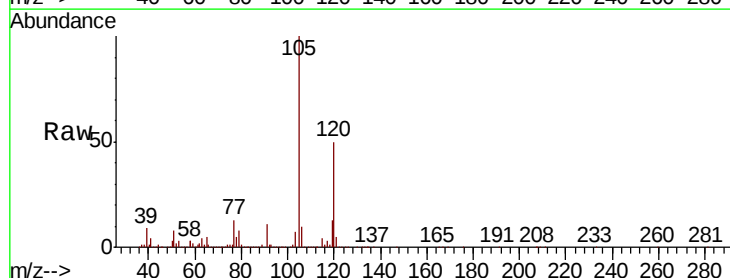


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

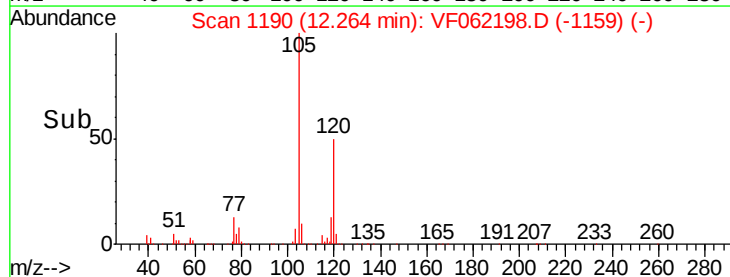
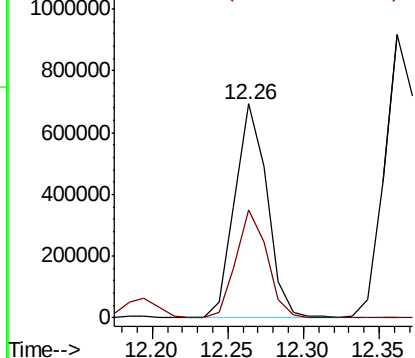


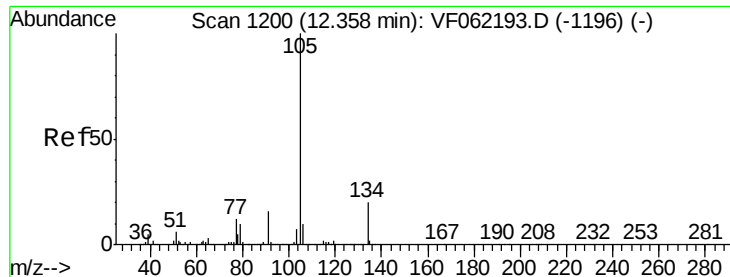
#84
1,2,4-Trimethylbenzene
Concen: 48.529 ug/l
RT: 12.26 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

Tgt Ion:105 Resp: 1028980
Ion Ratio Lower Upper
105 100
120 48.9 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 48.084 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

Instrument :

MSVOA_F

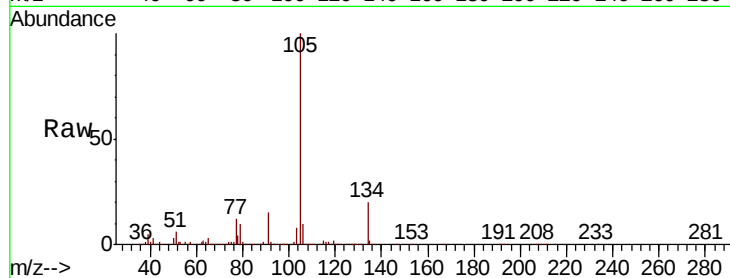
ClientSampleId :

Tot Ion:105 Resp: 1414499

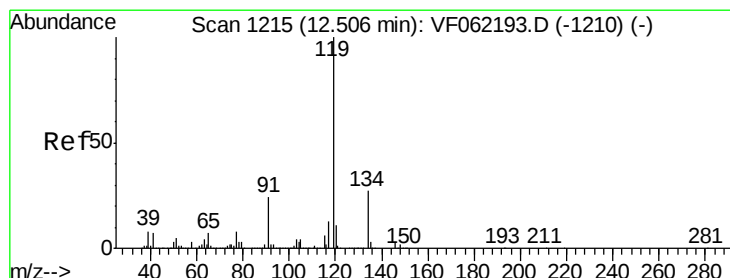
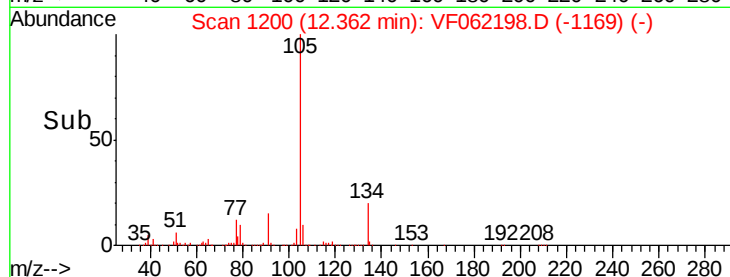
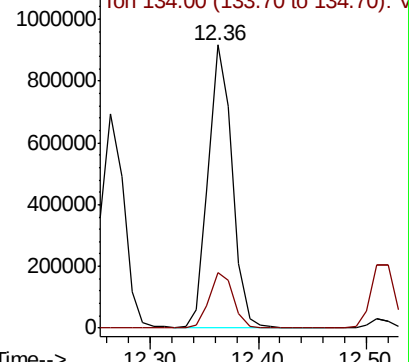
Ion Ratio Lower Upper

105 100

134 19.7 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V



#86

p-Isopropyltoluene

Concen: 48.248 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. 0.00 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

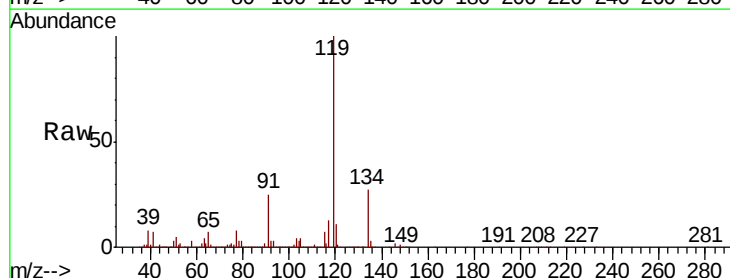
Tgt Ion:119 Resp: 1203981

Ion Ratio Lower Upper

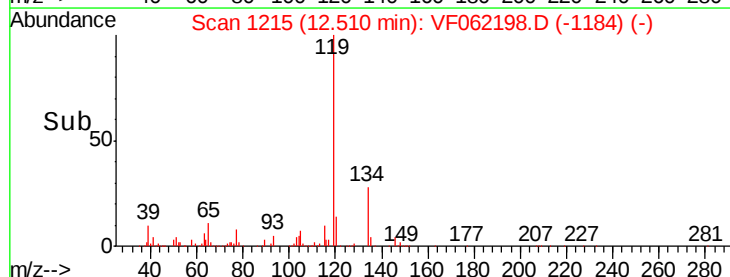
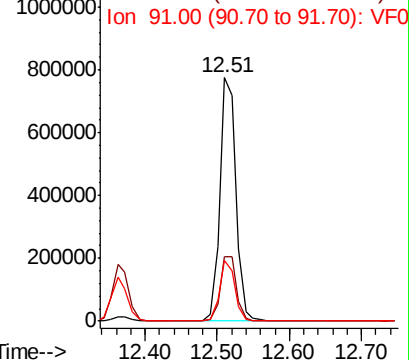
119 100

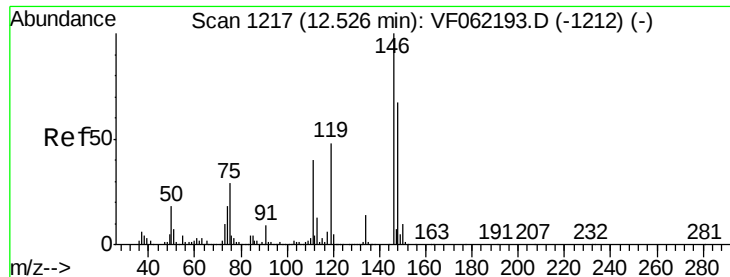
134 26.7 13.2 39.5

91 23.6 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

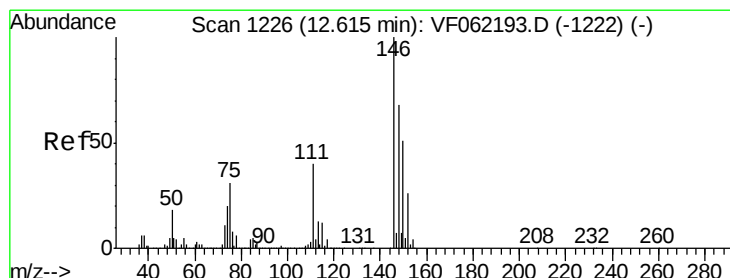
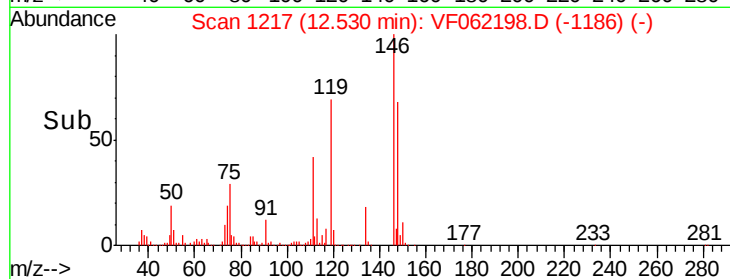
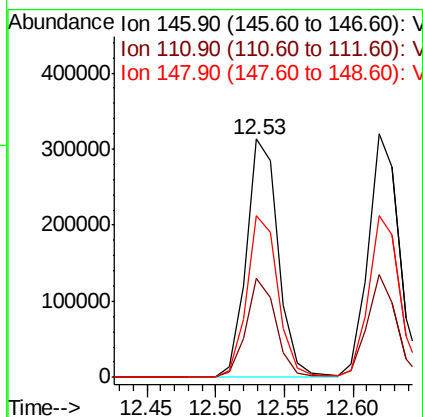
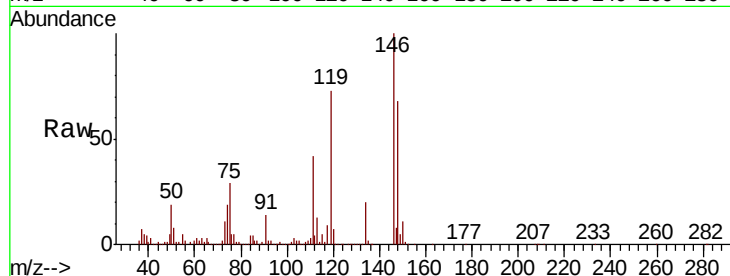




#87
 1,3-Dichlorobenzene
 Concen: 48.552 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VF062198.D
 Acq: 18 Apr 2019 11:04

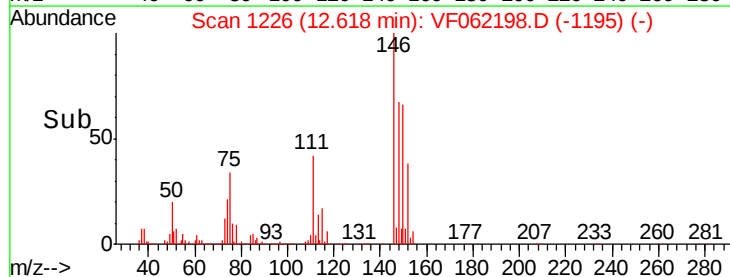
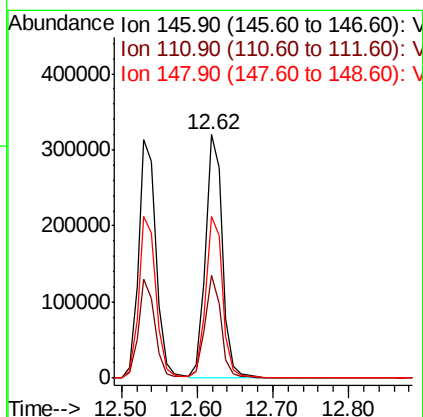
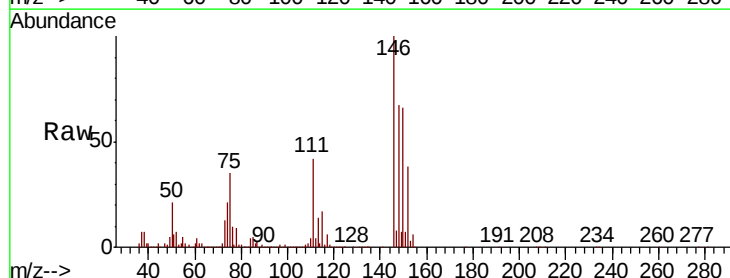
Instrument :
 MSVOA_F
 ClientSampleId :

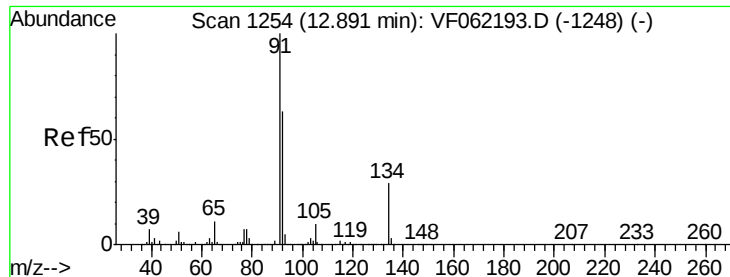
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	66.6	32.9	98.6



#88
 1,4-Dichlorobenzene
 Concen: 49.659 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. 0.00 min
 Lab File: VF062198.D
 Acq: 18 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	60.0
148	66.2	33.6	100.8





#89

n-Butylbenzene

Concen: 54.675 ug/l

RT: 12.89 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

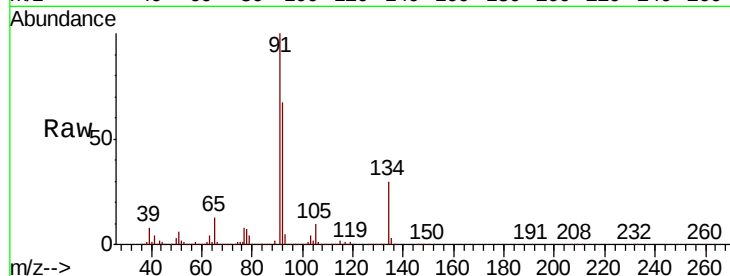
Tot Ion: 91 Resp: 1112090

Ion	Ratio	Lower	Upper
91	100		
92	64.1	31.2	93.6
134	28.0	13.1	39.1

91 100

92 64.1 31.2 93.6

134 28.0 13.1 39.1

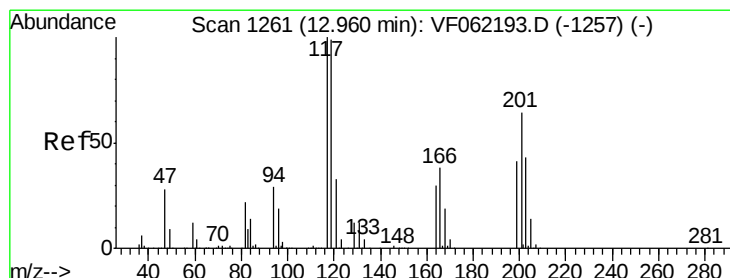
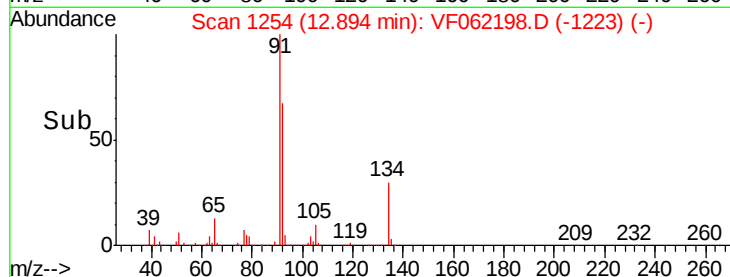
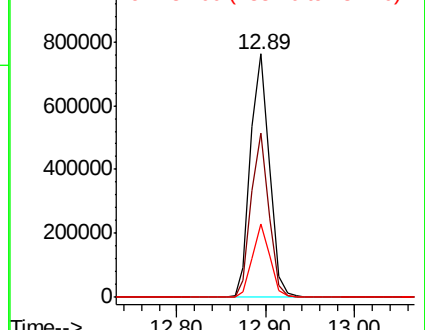


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 49.092 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VF062198.D

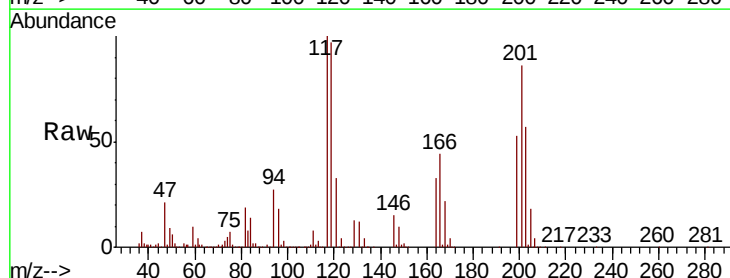
Acq: 18 Apr 2019 11:04

Tgt Ion: 117 Resp: 314578

Ion	Ratio	Lower	Upper
117	100		
201	78.7	37.7	113.1

117 100

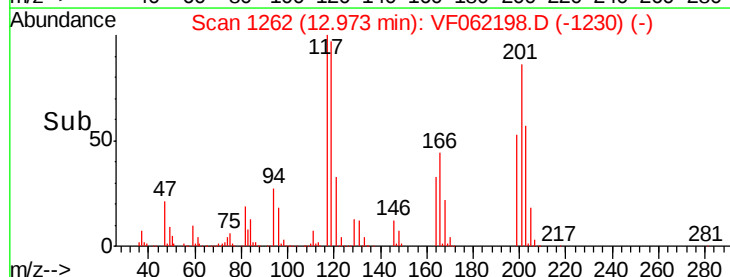
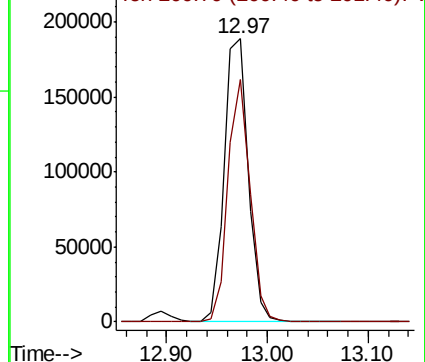
201 78.7 37.7 113.1

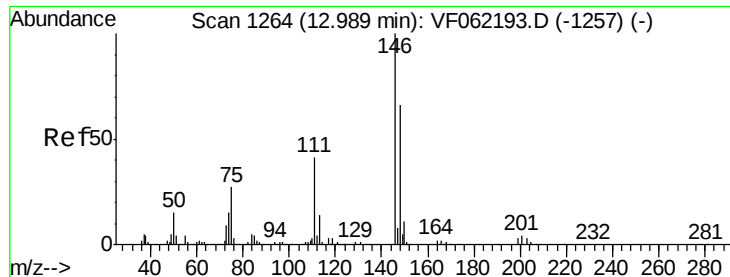


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 48.411 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

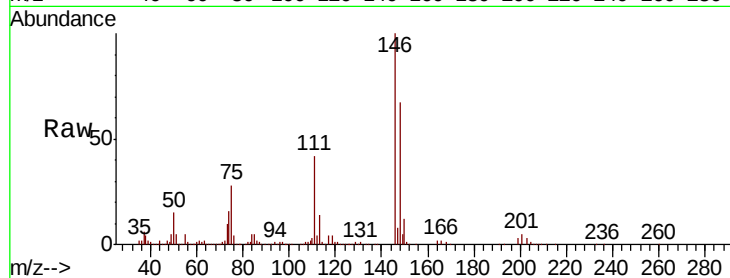
Tot Ion:146 Resp: 488859

Ion Ratio Lower Upper

146 100

111 41.9 20.8 62.5

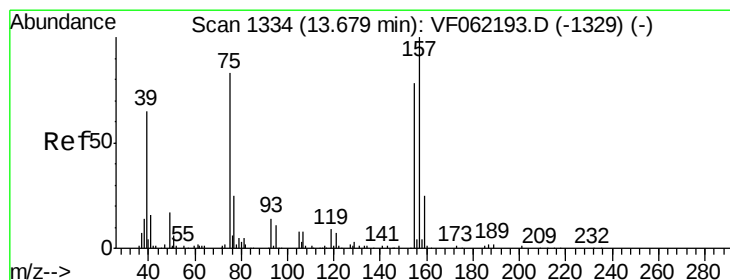
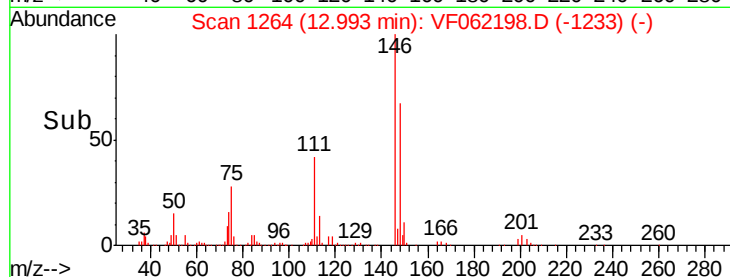
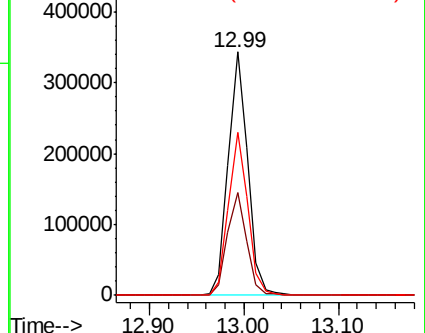
148 66.7 33.0 99.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.525 ug/l

RT: 13.68 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VF062198.D

Acq: 18 Apr 2019 11:04

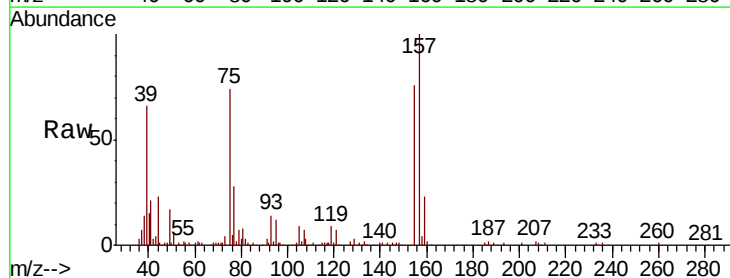
Tgt Ion: 75 Resp: 39579

Ion Ratio Lower Upper

75 100

155 106.6 47.6 142.8

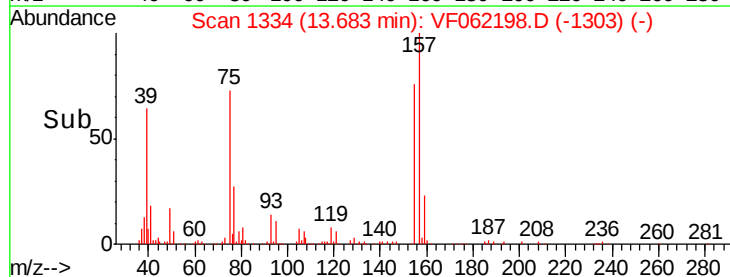
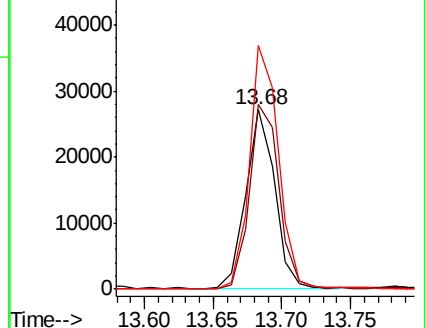
157 137.4 61.3 183.9

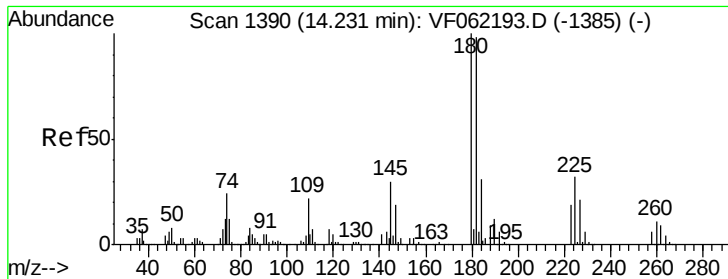


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

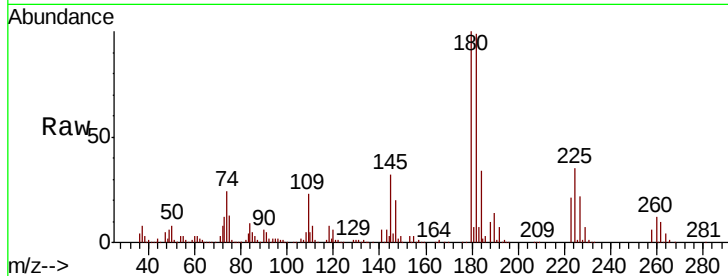




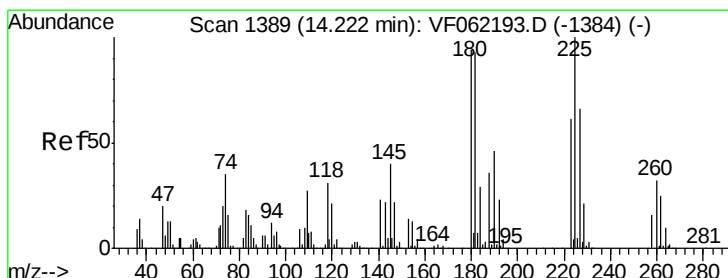
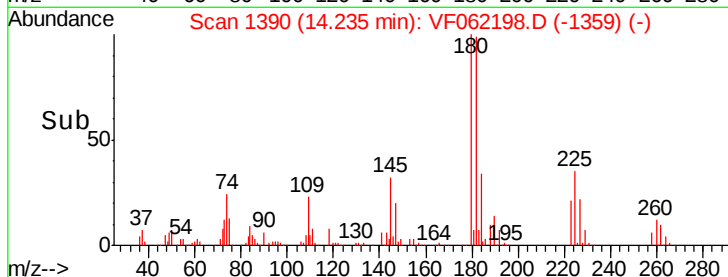
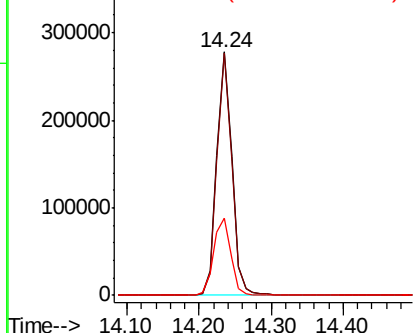
#93
 1,2,4-Trichlorobenzene
 Concen: 47.674 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062198.D
 Acq: 18 Apr 2019 11:04

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:180 Resp: 402800
 Ion Ratio Lower Upper
 180 100
 182 97.8 49.3 147.9
 145 36.0 18.1 54.4

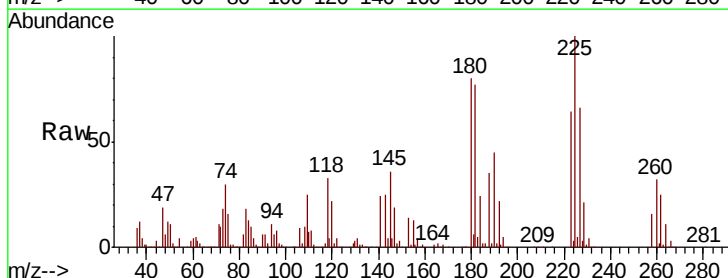


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

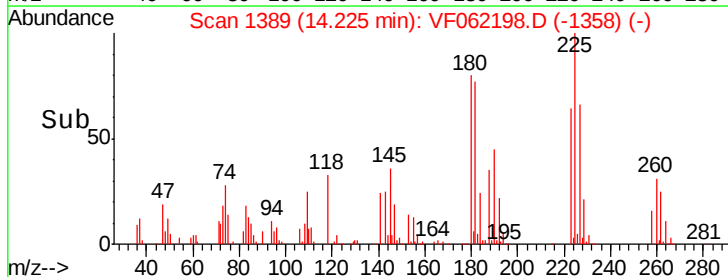
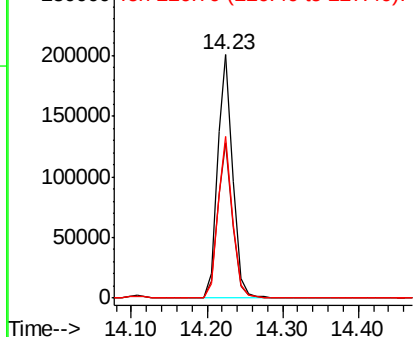


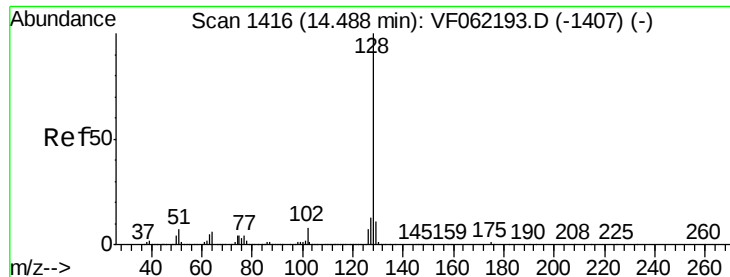
#94
 Hexachlorobutadiene
 Concen: 49.201 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VF062198.D
 Acq: 18 Apr 2019 11:04

Tgt Ion:225 Resp: 285044
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.0 93.0
 227 64.3 32.4 97.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

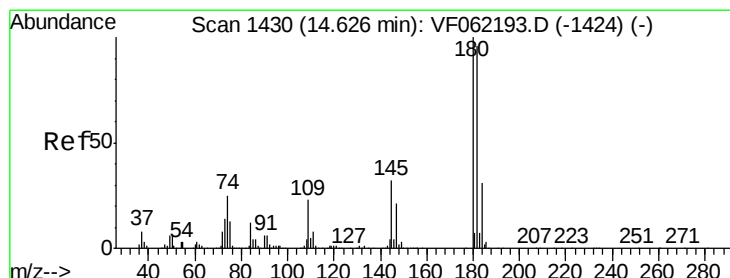
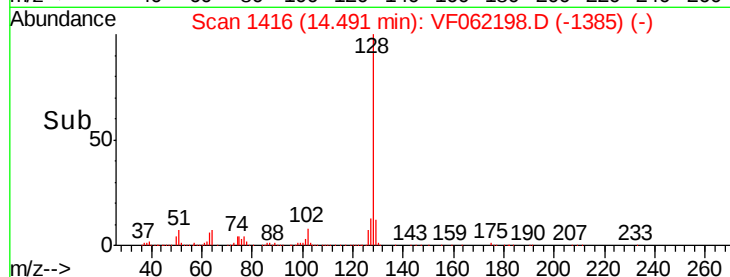
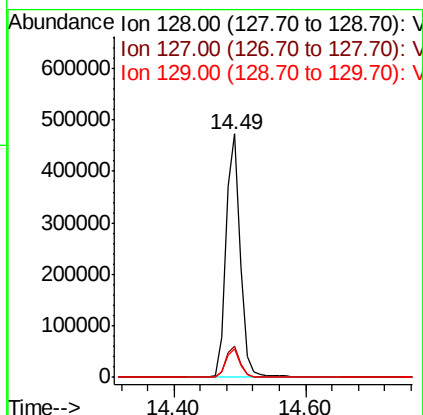
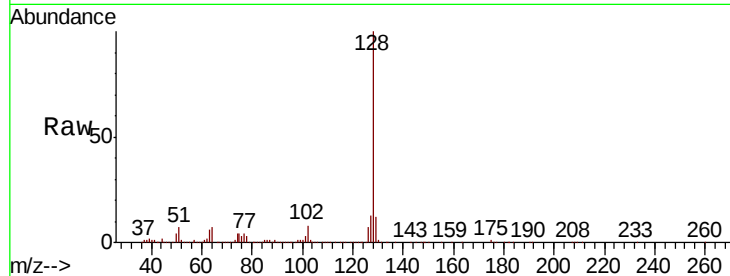




#95
Naphthalene
Concen: 48.613 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 718174
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.5 9.2 13.8



#96
1,2,3-Trichlorobenzene
Concen: 48.025 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. 0.00 min
Lab File: VF062198.D
Acq: 18 Apr 2019 11:04

Tgt Ion:180 Resp: 389545
Ion Ratio Lower Upper
180 100
182 97.7 48.4 145.3
145 32.0 15.6 46.8

