

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041819\
 Data File : VF062199.D
 Acq On : 18 Apr 2019 11:42
 Operator : FY/SY
 Sample : VF0418SBL01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 19 01:14:56 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	5.04	168	497962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	759876	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	565253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	353457	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	236997	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
35) Dibromofluoromethane	4.31	113	315821	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	
50) Toluene-d8	7.71	98	763337	45.37	ug/l	0.00
Spiked Amount			Recovery	=	90.74%	
62) 4-Bromofluorobenzene	11.49	95	333241	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.72	74	1365	0.768	ug/l	77
11) Tert butyl alcohol	2.71	59	786	2.476	ug/l #	1
13) Acrolein	2.10	56	1105	Below Cal		85
15) Acrylonitrile	3.08	53	3457	3.576	ug/l #	77
16) Acetone	2.35	43	11885	10.890	ug/l	91
18) Methyl Acetate	2.49	43	9964	Below Cal	#	59
19) Methyl tert-butyl Ether	2.54	73	3225	0.329	ug/l #	76
20) Methylene Chloride	2.33	84	20219	Below Cal		96
22) Diisopropyl ether	2.93	45	4499	0.276	ug/l #	53
23) Vinyl Acetate	3.34	43	3085	0.398	ug/l #	79
25) 2-Butanone	4.52	43	6742	3.089	ug/l	100
26) 2,2-Dichloropropane	3.72	77	1121	0.249	ug/l	94
29) Tetrahydrofuran	4.26	42	2797	2.832	ug/l #	76
37) Ethyl Acetate	4.30	43	3021	0.703	ug/l #	88
41) Methacrylonitrile	4.94	41	1369	0.552	ug/l #	23
43) Isopropyl Acetate	7.10	43	15908	3.518	ug/l #	99
45) 1,2-Dichloropropane	6.39	63	1221	0.232	ug/l #	59
46) Dibromomethane	6.23	93	731	0.209	ug/l #	3
48) Methyl methacrylate	6.87	41	1852	0.623	ug/l #	84
49) 1,4-Dioxane	6.87	88	1107	32.484	ug/l #	45
51) 4-Methyl-2-Pentanone	8.40	43	56449	16.785	ug/l	99
52) Toluene	7.77	92	3278	0.260	ug/l	89
53) t-1,3-Dichloropropene	8.42	75	1777	0.299	ug/l #	40
55) 1,1,2-Trichloroethane	8.63	97	1316	0.373	ug/l #	49
56) Ethyl methacrylate	8.75	69	18504	4.612	ug/l #	82
57) 1,3-Dichloropropane	8.98	76	1380	0.242	ug/l #	10
58) 2-Chloroethyl Vinyl ether	7.56	63	238	0.204	ug/l	92
59) 2-Hexanone	9.62	43	86475	41.348	ug/l	94
65) Chlorobenzene	9.92	112	3174	0.263	ug/l #	87
67) Ethyl Benzene	10.02	91	6546	0.299	ug/l	93
68) m/p-Xylenes	10.25	106	4764	0.590	ug/l	80
69) o-Xylene	10.81	106	2518	0.281	ug/l	88
70) Styrene	10.88	104	8235	0.651	ug/l #	92
71) Bromoform	10.87	173	802	0.269	ug/l #	79

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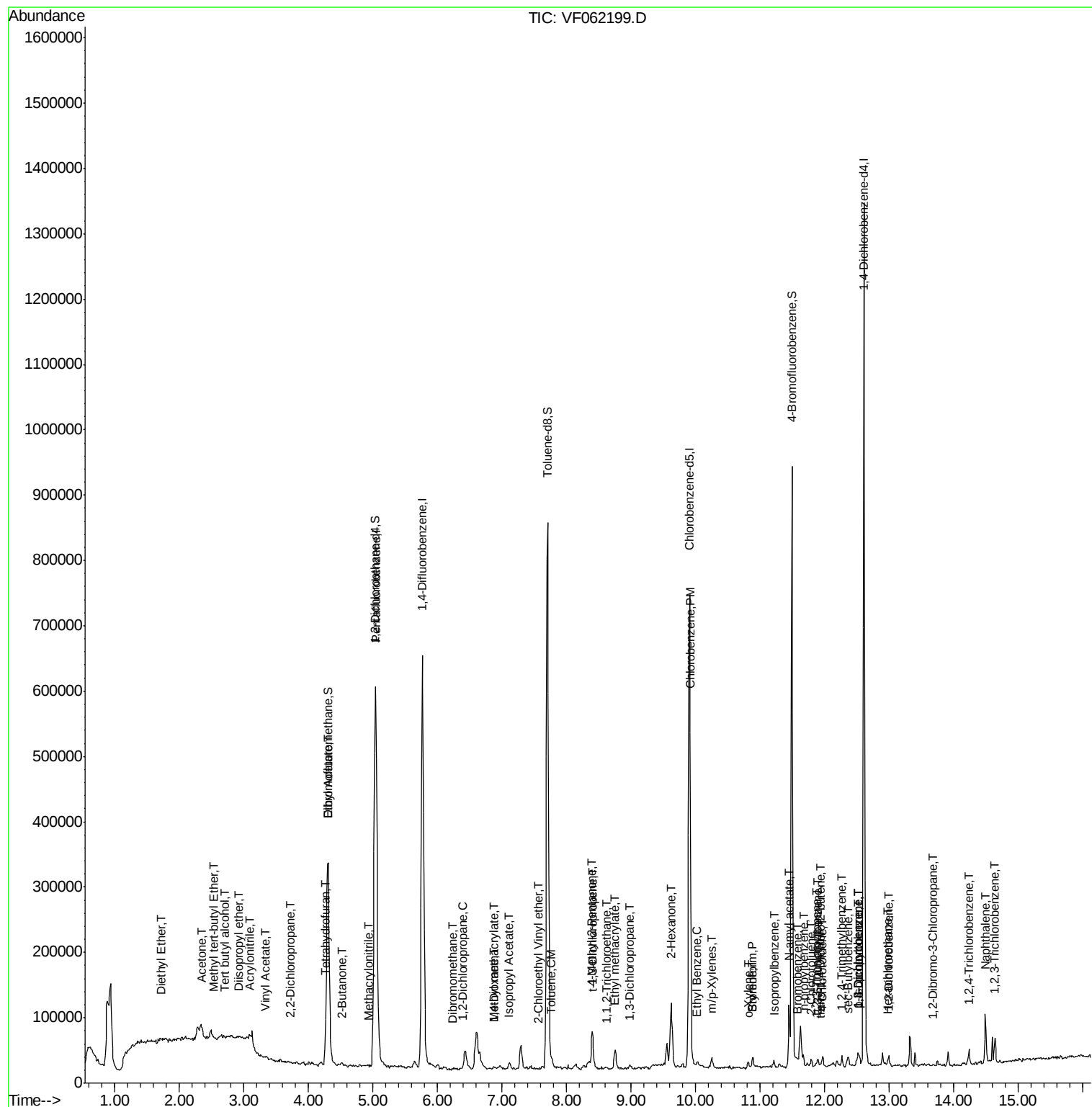
73) Isopropylbenzene	11.21	105	7031	0.232	ug/l	96
74) N-amyl acetate	11.44	43	61152	6.581	ug/l	95
76) 1,2,3-Trichloropropane	11.87	75	2425	0.675	ug/l #	1
77) Bromobenzene	11.58	156	1893	0.291	ug/l	61
78) n-propylbenzene	11.67	91	10526	0.329	ug/l	96
79) 2-Chlorotoluene	11.79	91	5733	0.295	ug/l	93
80) 1,3,5-Trimethylbenzene	11.90	105	6411	0.254	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.93	75	2103	1.148	ug/l #	57
82) 4-Chlorotoluene	11.96	91	7687	0.409	ug/l	97
84) 1,2,4-Trimethylbenzene	12.26	105	7845	0.321	ug/l	99
85) sec-Butylbenzene	12.37	105	7988	0.235	ug/l	100
86) p-Isopropyltoluene	12.52	119	7256	0.252	ug/l	92
87) 1,3-Dichlorobenzene	12.53	146	5507	0.456	ug/l	97
88) 1,4-Dichlorobenzene	12.53	146	5507	0.473	ug/l	96
89) n-Butylbenzene	12.89	91	9886	Below Cal		95
90) Hexachloroethane	12.97	117	1722	0.233	ug/l	56
91) 1,2-Dichlorobenzene	12.99	146	4598	0.395	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.68	75	576	0.561	ug/l #	40
93) 1,2,4-Trichlorobenzene	14.23	180	4785	0.491	ug/l	93
95) Naphthalene	14.49	128	46221	2.711	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	5266	0.563	ug/l	94

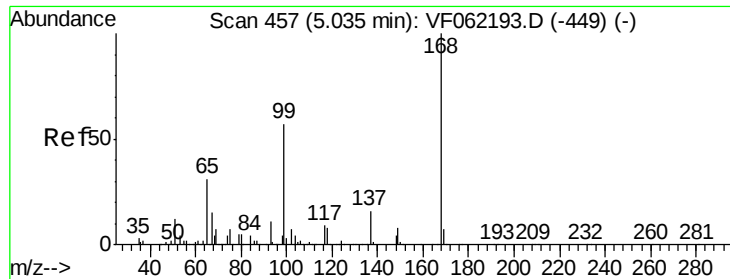
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF062199.D

Acq: 18 Apr 2019 11:42

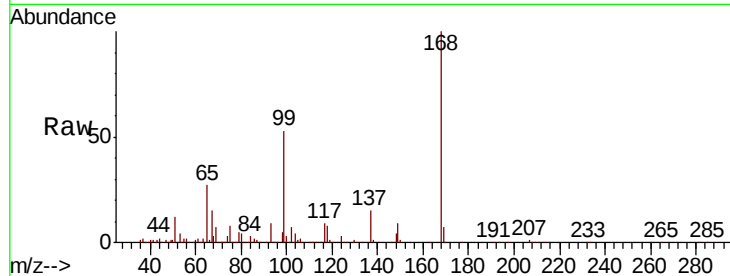
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 497962

Ion Ratio Lower Upper

168 100

99 53.1 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.04

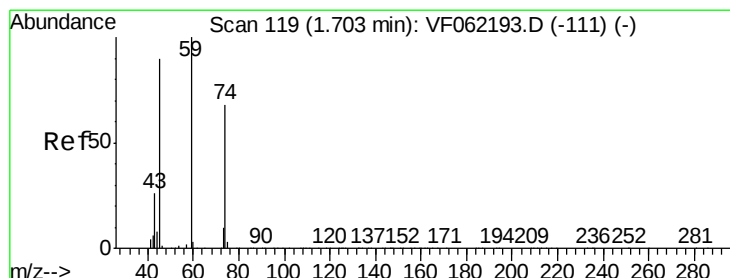
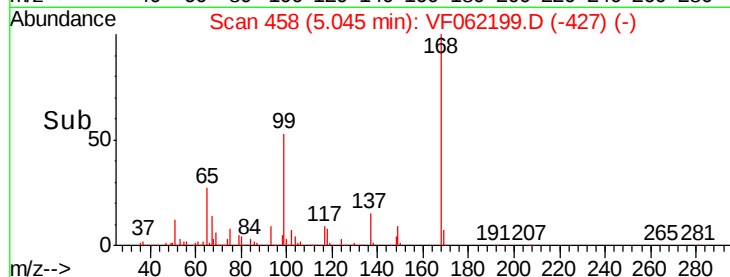
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 0.768 ug/l

RT: 1.72 min Scan# 121

Delta R.T. 0.02 min

Lab File: VF062199.D

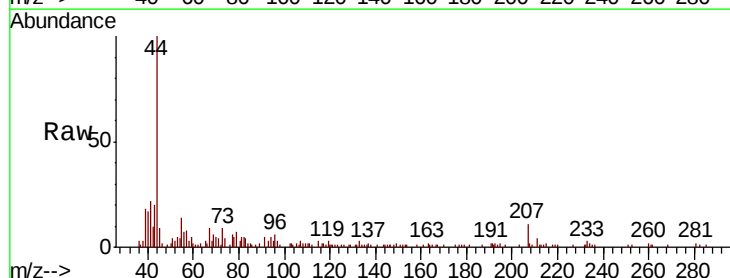
Acq: 18 Apr 2019 11:42

Tgt Ion: 74 Resp: 1365

Ion Ratio Lower Upper

74 100

45 112.6 70.0 210.2



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

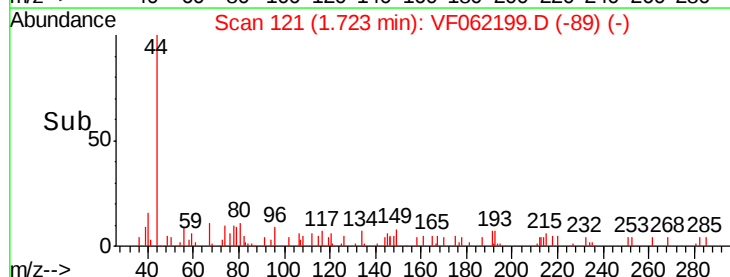
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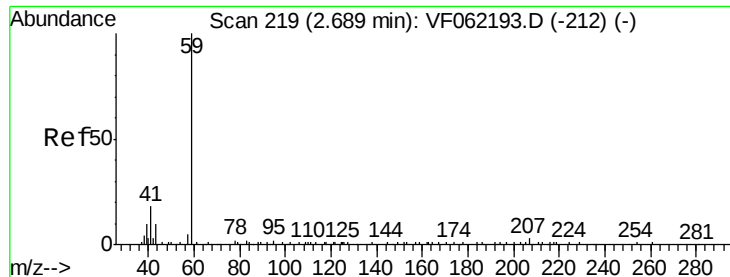
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500

0

Time-->

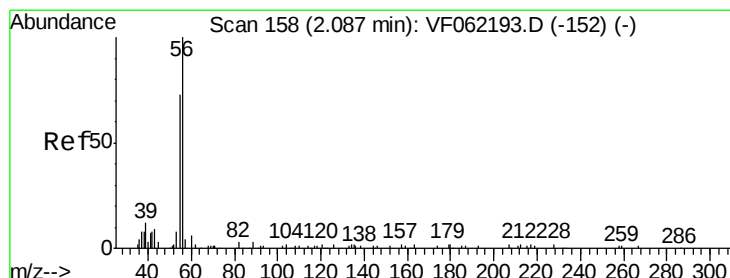
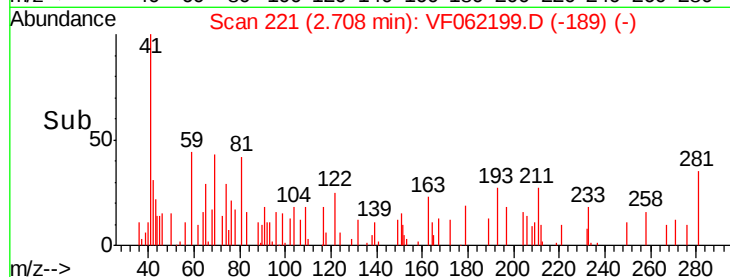
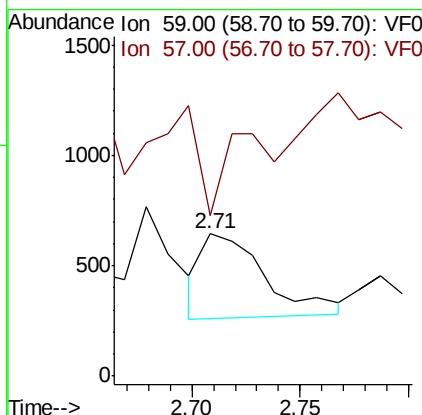
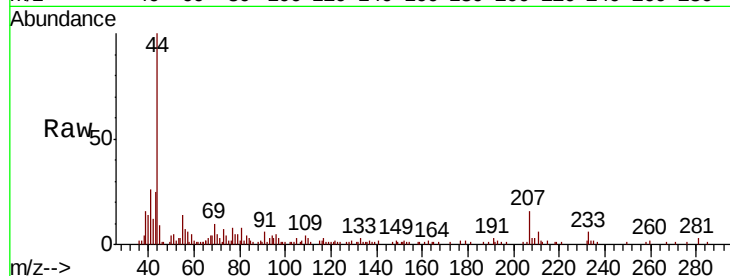




#11
Tert butyl alcohol
Concen: 2.476 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.02 min
Lab File: VF062199.D
Acq: 18 Apr 2019 11:42

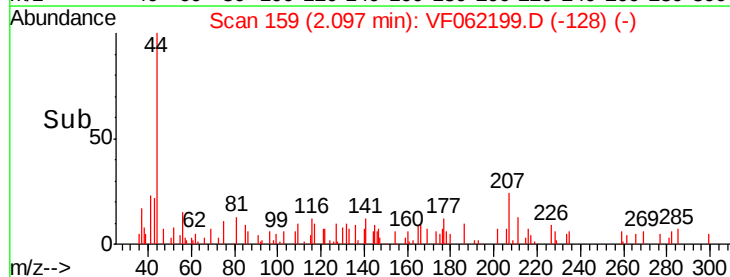
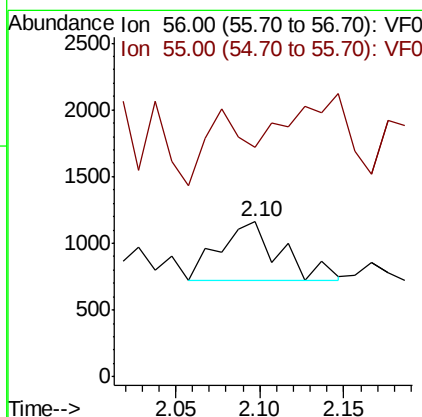
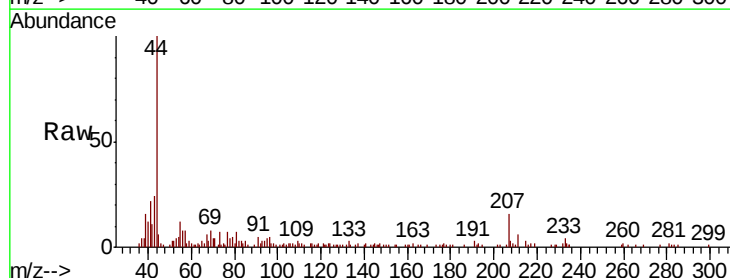
Instrument :
MSVOA_F
ClientSampled :

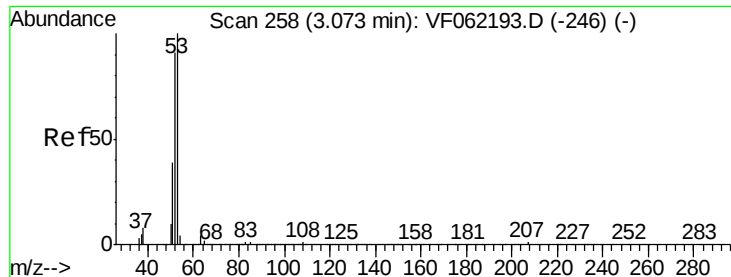
Tot Ion: 59 Resp: 786
Ion Ratio Lower Upper
59 100
57 73.8 9.3 13.9#



#13
Acrolein
Concen: Below Cal
RT: 2.10 min Scan# 159
Delta R.T. 0.01 min
Lab File: VF062199.D
Acq: 18 Apr 2019 11:42

Tgt Ion: 56 Resp: 1105
Ion Ratio Lower Upper
56 100
55 83.8 57.4 86.0





#15

Acrylonitrile

Concen: 3.576 ug/l

RT: 3.08 min Scan# 259

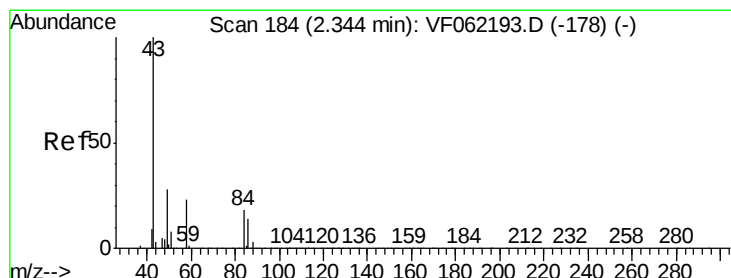
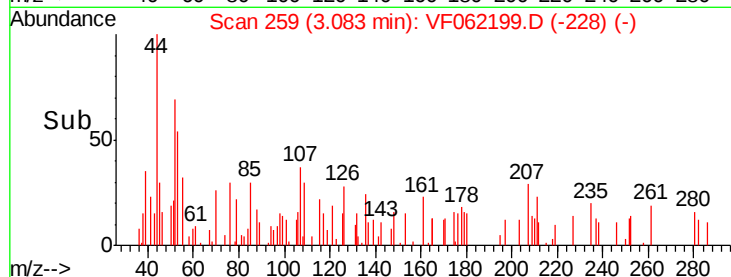
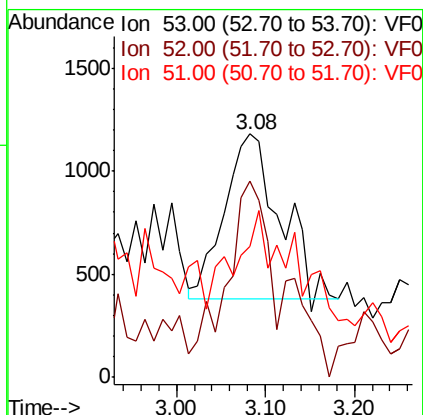
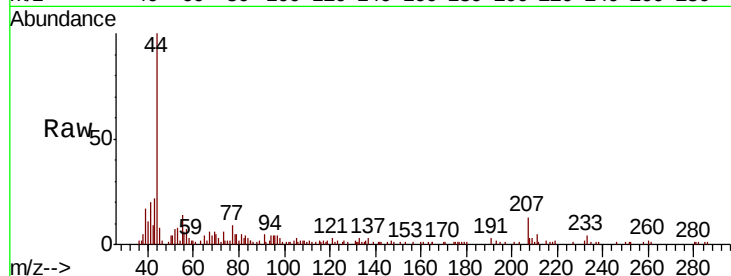
Delta R.T. 0.01 min

Lab File: VF062199.D

Acq: 18 Apr 2019 11:42

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	53	Resp:	3457
Ion	Ratio	Lower	Upper
53	100		
52	71.0	69.5	104.3
51	61.4	31.8	47.8#



#16

Acetone

Concen: 10.890 ug/l

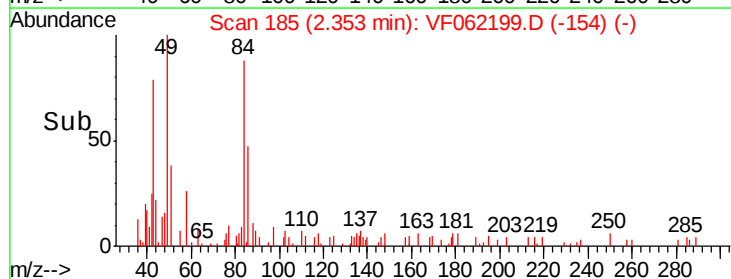
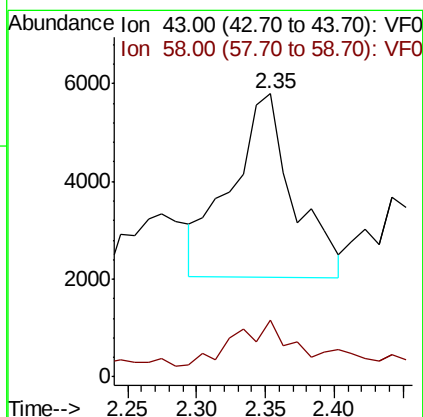
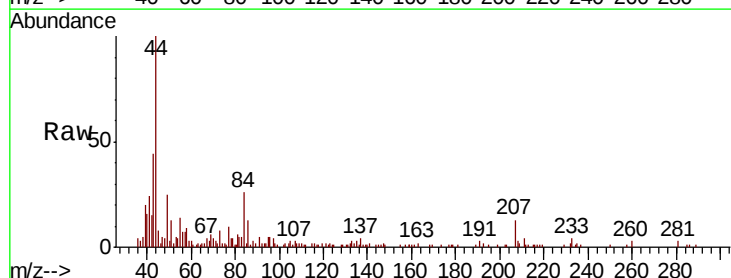
RT: 2.35 min Scan# 185

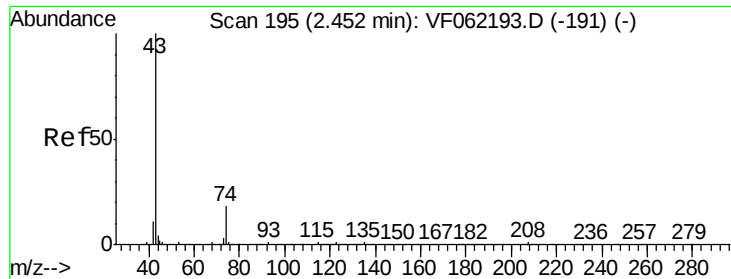
Delta R.T. 0.01 min

Lab File: VF062199.D

Acq: 18 Apr 2019 11:42

Tgt Ion:	43	Resp:	11885
Ion	Ratio	Lower	Upper
43	100		
58	27.8	18.8	28.2

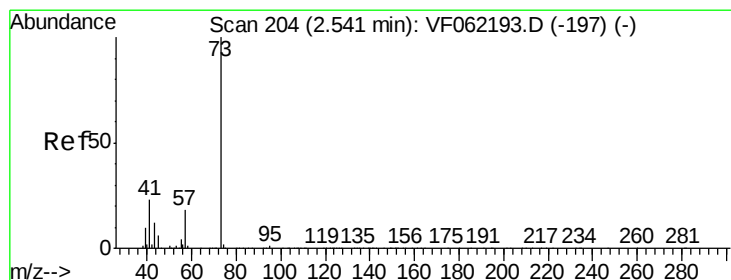
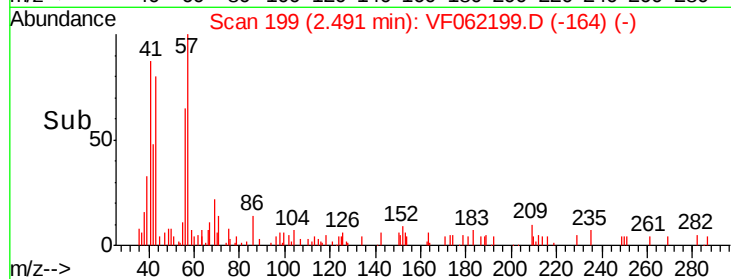
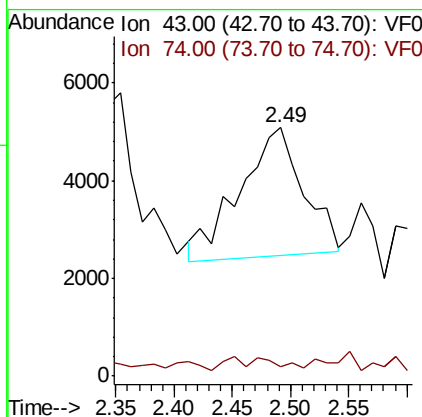
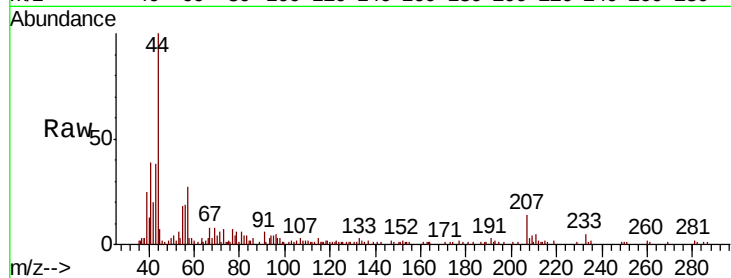




#18
Methyl Acetate
Concen: Below Cal
RT: 2.49 min Scan# 199
Delta R.T. 0.04 min
Lab File: VF062199.D
Acq: 18 Apr 2019 11:42

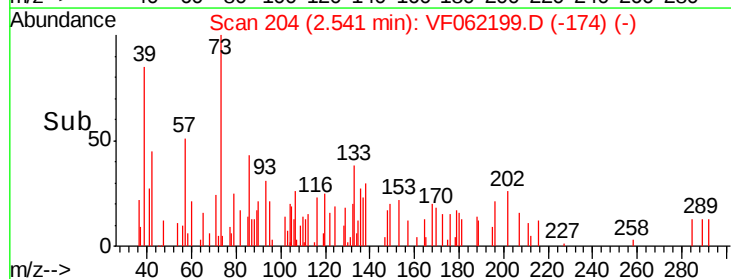
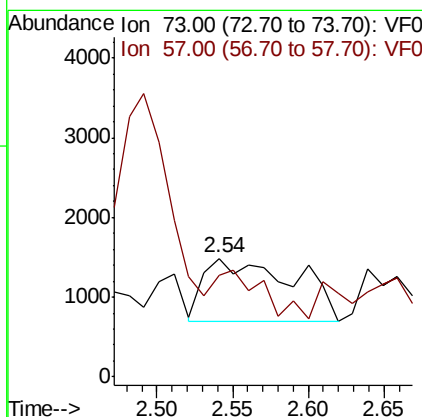
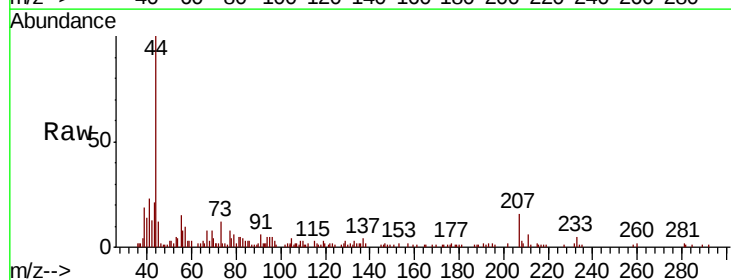
Instrument :
MSVOA_F
ClientSampled :

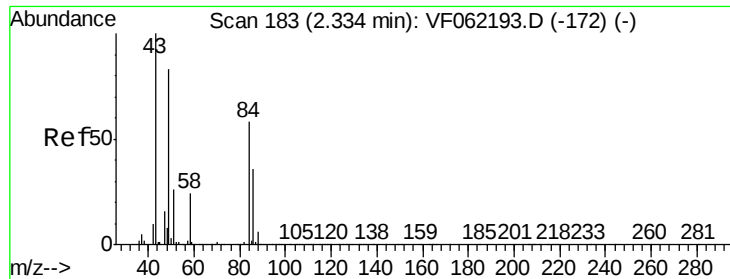
Tot Ion: 43 Resp: 9964
Ion Ratio Lower Upper
43 100
74 0.0 14.5 21.7#



#19
Methyl tert-butyl Ether
Concen: 0.329 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.00 min
Lab File: VF062199.D
Acq: 18 Apr 2019 11:42

Tgt Ion: 73 Resp: 3225
Ion Ratio Lower Upper
73 100
57 29.8 15.1 22.7#

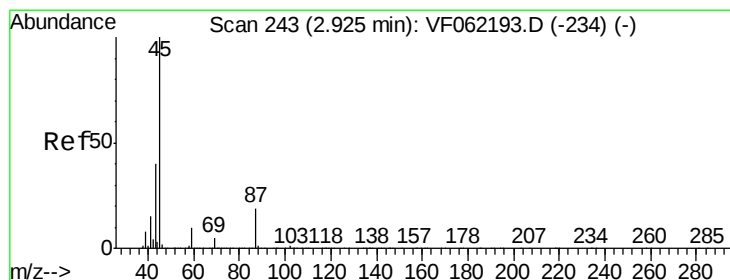
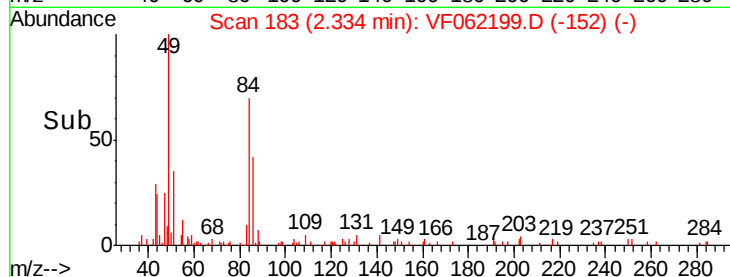
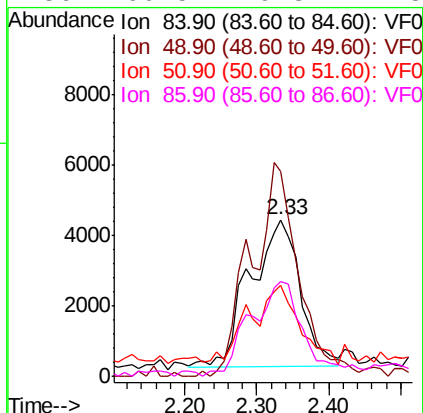
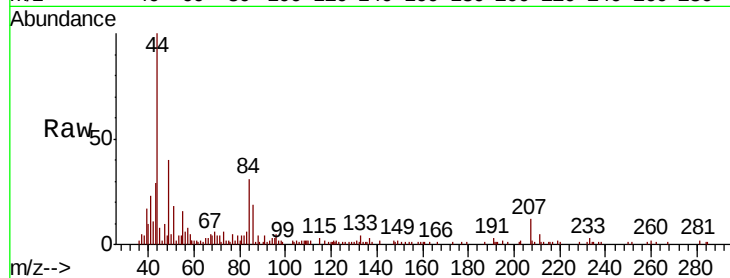




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.33 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF062199.D
Acq: 18 Apr 2019 11:42

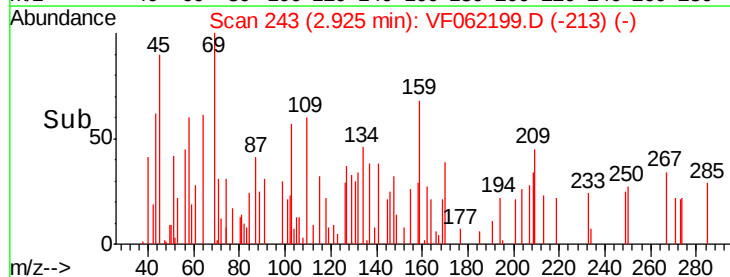
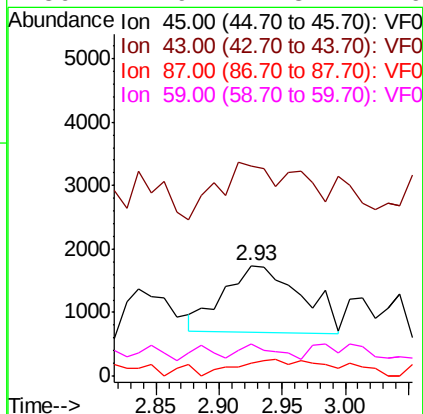
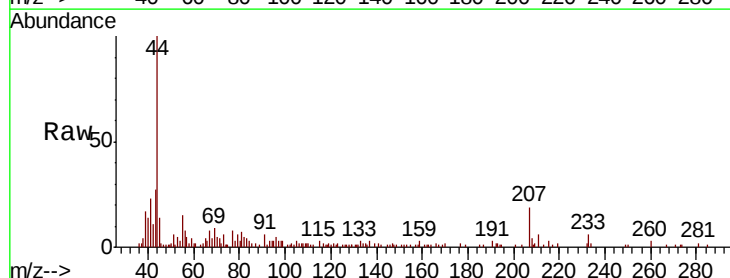
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ClientSampleId :

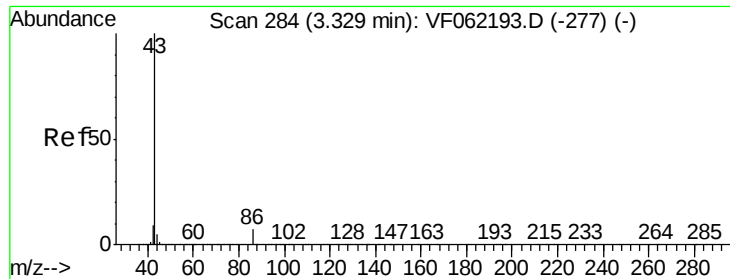
Tot Ion:	84	Resp:	20219
Ion	Ratio	Lower	Upper
84	100		
49	139.9	114.0	171.0
51	54.3	37.0	55.4
86	60.5	49.8	74.8



#22
Diisopropyl ether
Concen: 0.276 ug/l
RT: 2.93 min Scan# 243
Delta R.T. 0.00 min
Lab File: VF062199.D
Acq: 18 Apr 2019 11:42

Tgt Ion:	45	Resp:	4499
Ion	Ratio	Lower	Upper
45	100		
43	82.0	32.8	49.2#
87	8.3	15.2	22.8#
59	14.9	7.8	11.6#





#23

Vinyl Acetate

Concen: 0.398 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.01 min

Lab File: VF062199.D

Acq: 18 Apr 2019 11:42

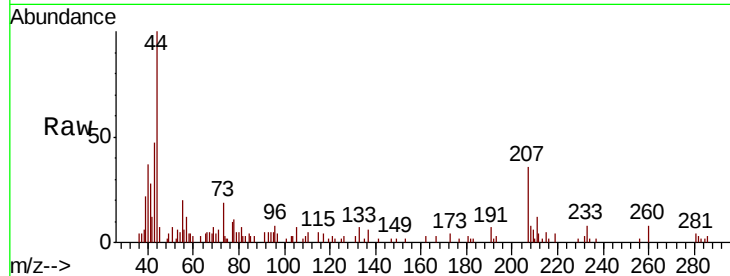
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 3085

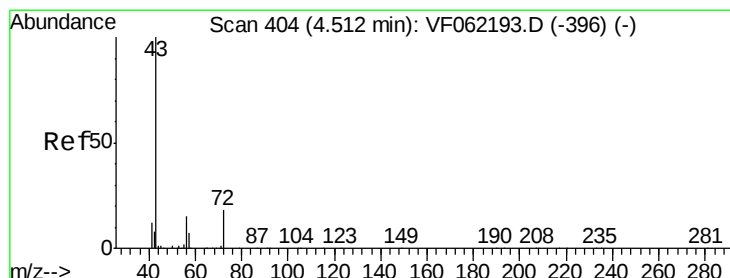
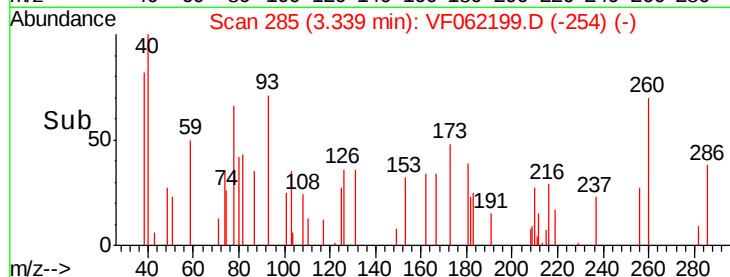
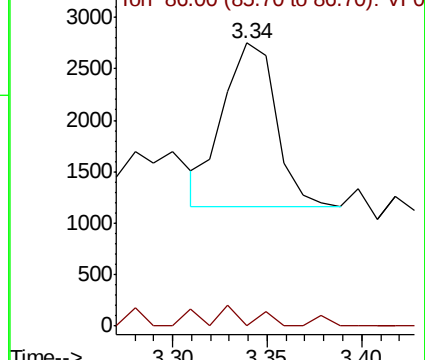
Ion Ratio Lower Upper

43 100

86 0.0 5.9 8.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 86.00 (85.70 to 86.70): VF0



#25

2-Butanone

Concen: 3.089 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.01 min

Lab File: VF062199.D

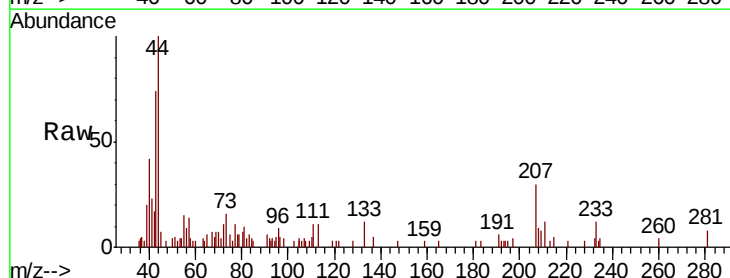
Acq: 18 Apr 2019 11:42

Tgt Ion: 43 Resp: 6742

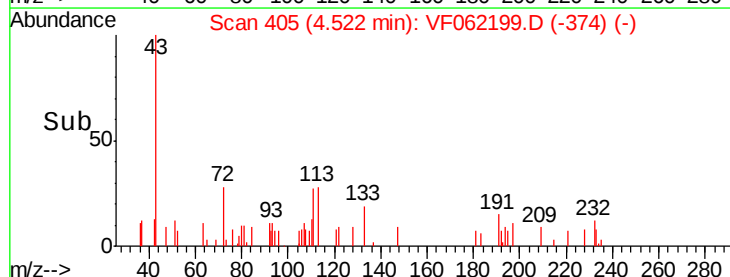
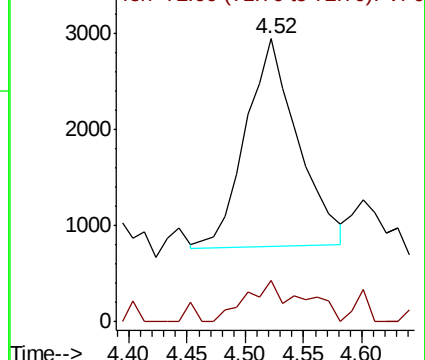
Ion Ratio Lower Upper

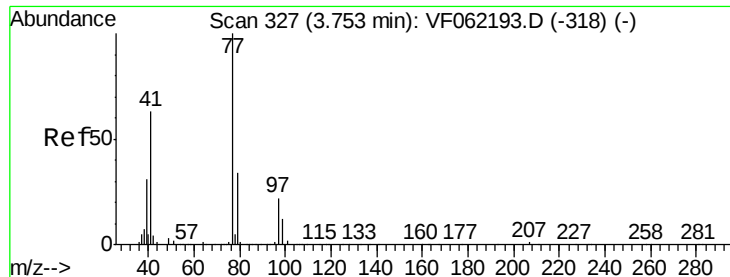
43 100

72 20.1 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0

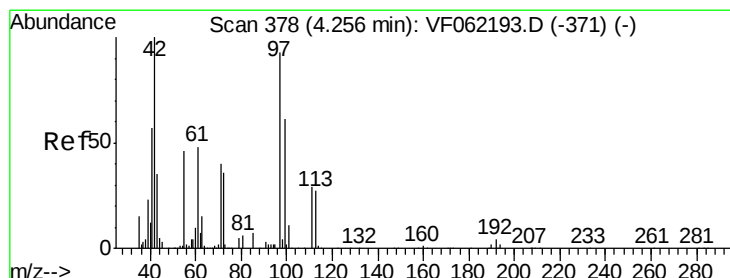
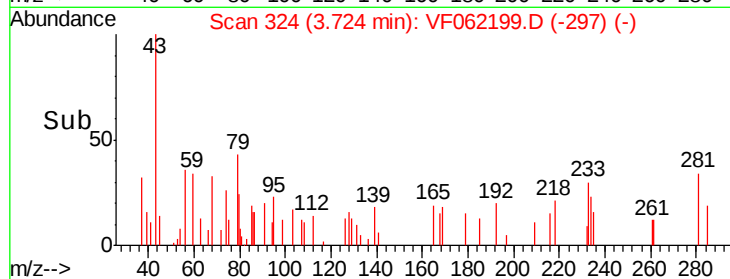
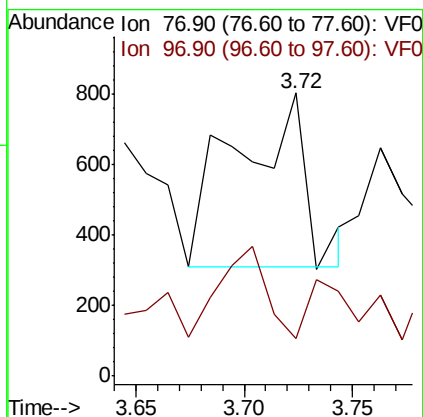
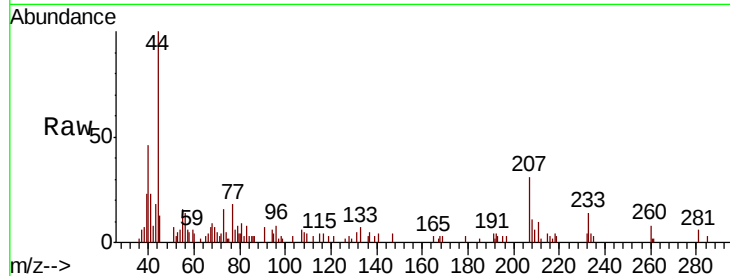




#26
 2,2-Dichloropropane
 Concen: 0.249 ug/l
 RT: 3.72 min Scan# 324
 Delta R.T. -0.03 min
 Lab File: VF062199.D
 Acq: 18 Apr 2019 11:42

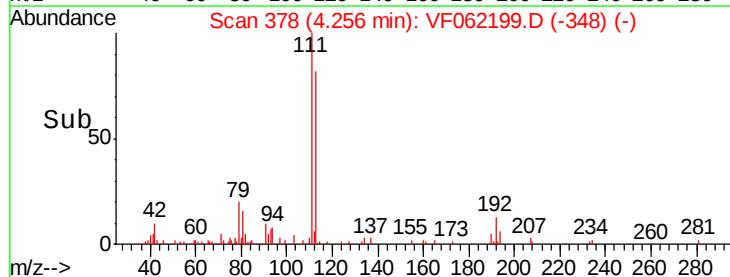
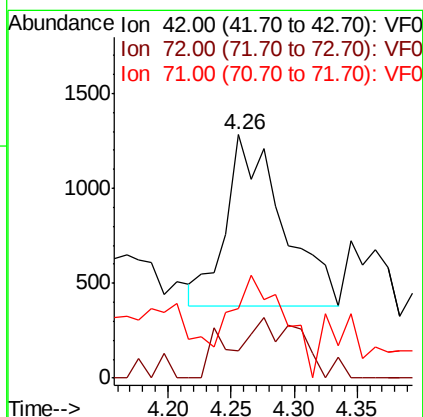
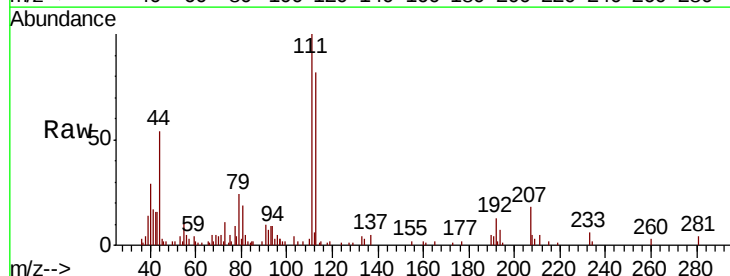
Instrument :
 MSVOA_F
 ClientSampleId :

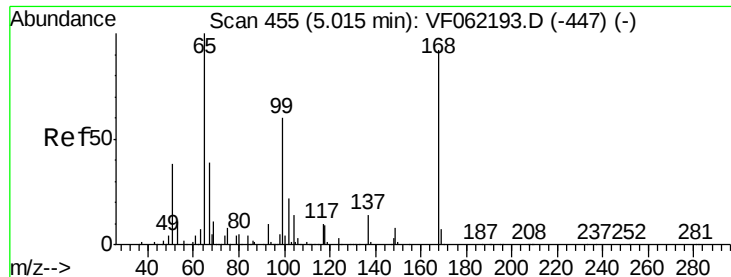
Tot Ion: 77 Resp: 1121
 Ion Ratio Lower Upper
 77 100
 97 25.2 11.1 33.3



#29
 Tetrahydrofuran
 Concen: 2.832 ug/l
 RT: 4.26 min Scan# 378
 Delta R.T. 0.00 min
 Lab File: VF062199.D
 Acq: 18 Apr 2019 11:42

Tgt Ion: 42 Resp: 2797
 Ion Ratio Lower Upper
 42 100
 72 43.9 28.6 43.0#
 71 56.2 29.2 43.8#





#33

1,2-Dichloroethane-d4

Concen: 51.904 ug/l

RT: 5.02 min Scan# 456

Delta R.T. 0.01 min

Lab File: VF062199.D

Acq: 18 Apr 2019 11:42

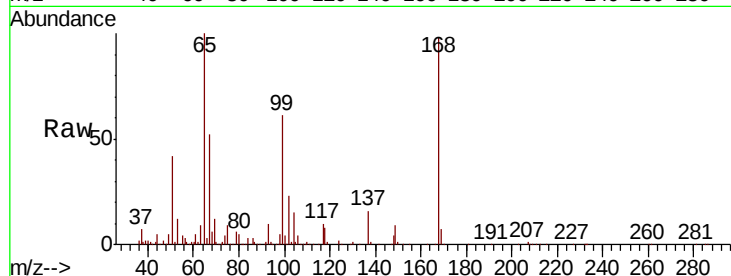
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 236997

Ion Ratio Lower Upper

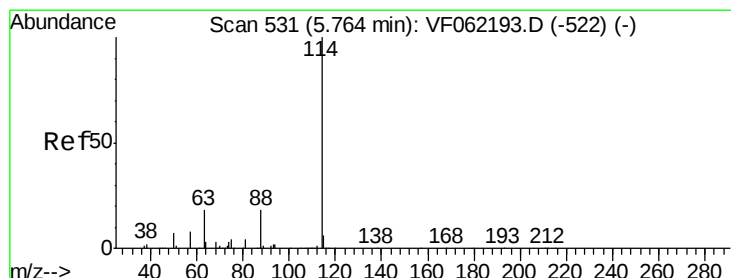
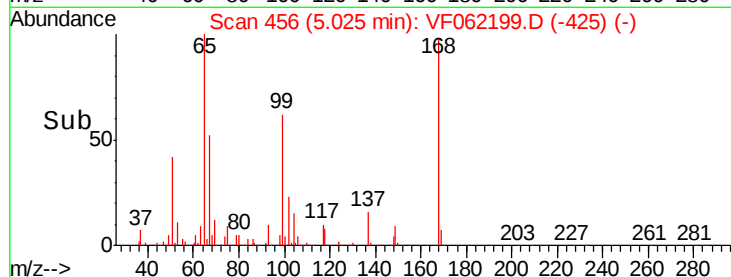
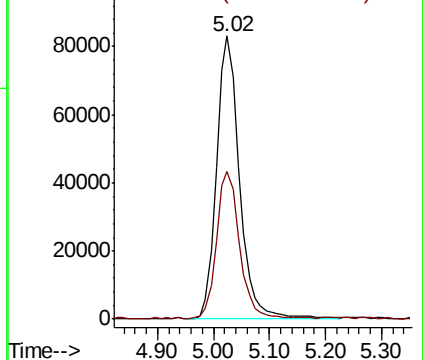
65 100

67 51.7 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: 5.76 min Scan# 531

Delta R.T. 0.00 min

Lab File: VF062199.D

Acq: 18 Apr 2019 11:42

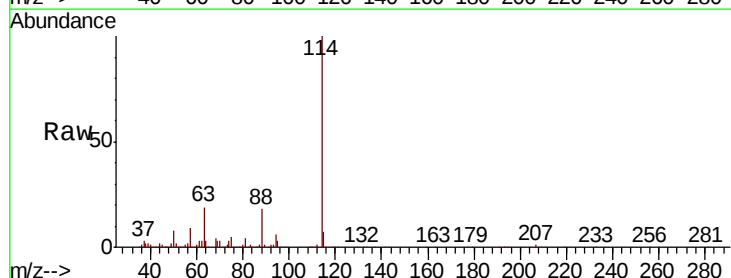
Tgt Ion: 114 Resp: 759876

Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.6

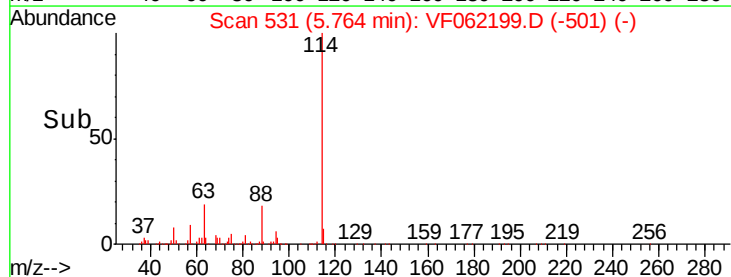
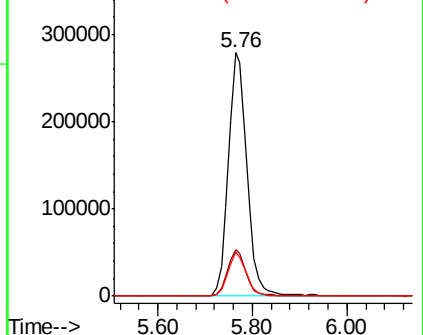
88 18.0 0.0 35.8

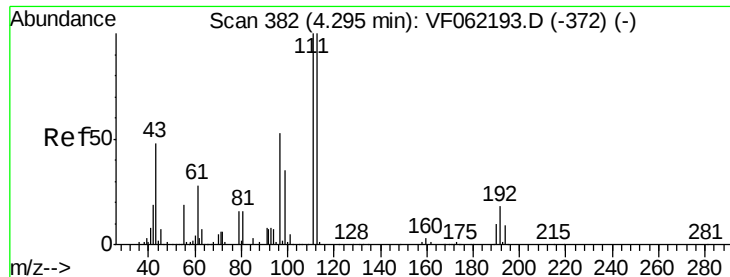


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

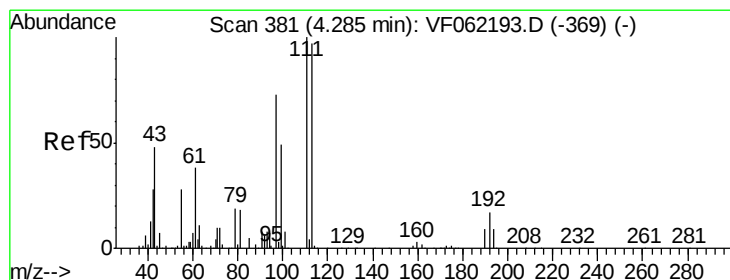
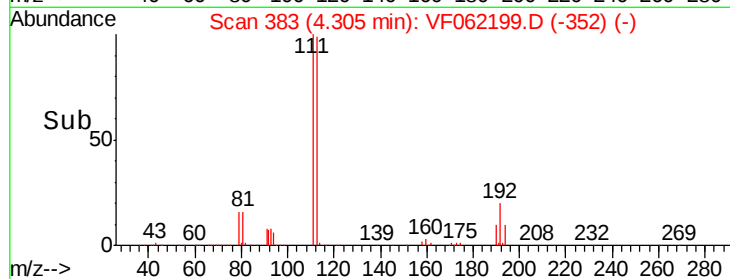
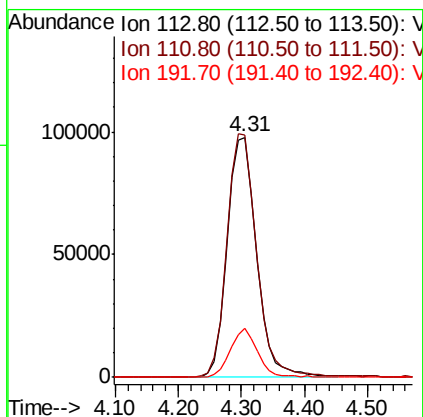
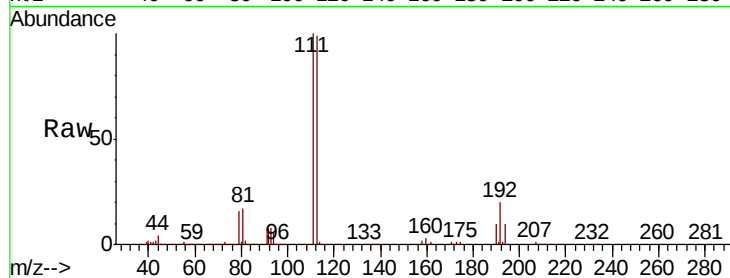




#35
Dibromofluoromethane
Concen: 47.514 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF062199.D
Acq: 18 Apr 2019 11:42

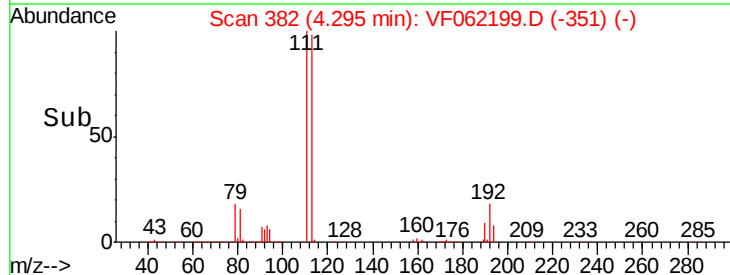
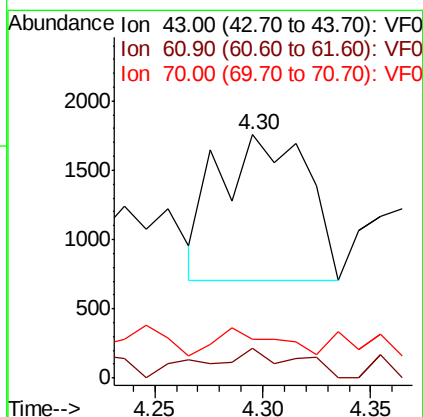
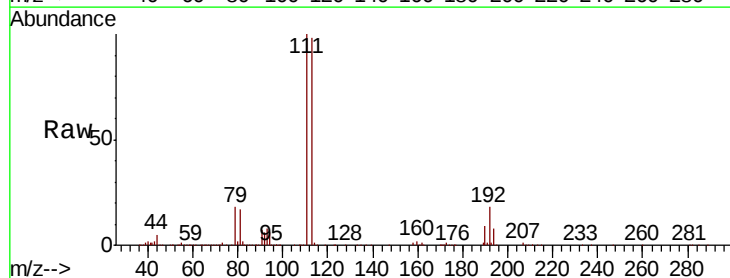
Instrument :
MSVOA_F
ClientSampled :

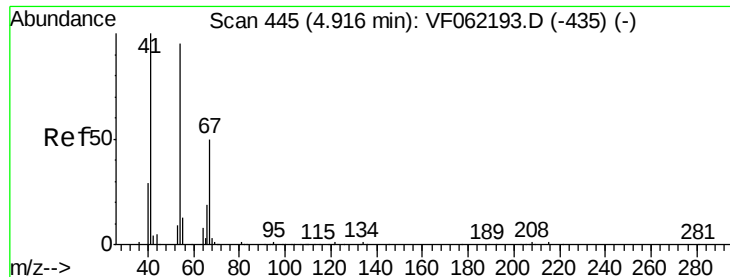
Tot Ion:113 Resp: 315821
Ion Ratio Lower Upper
113 100
111 102.4 81.1 121.7
192 19.0 14.7 22.1



#37
Ethyl Acetate
Concen: 0.703 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF062199.D
Acq: 18 Apr 2019 11:42

Tgt Ion: 43 Resp: 3021
Ion Ratio Lower Upper
43 100
61 21.0 0.0 0.0#
70 14.1 7.8 11.6#

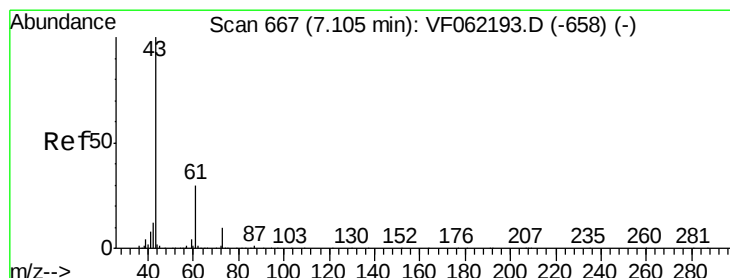
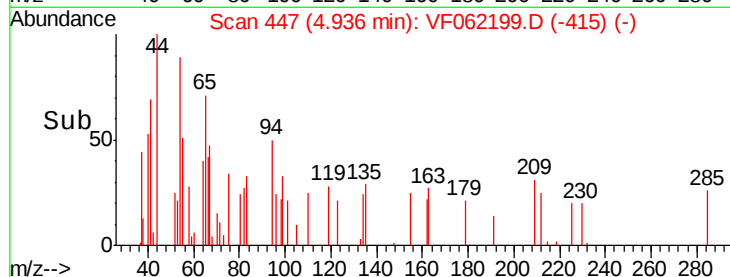
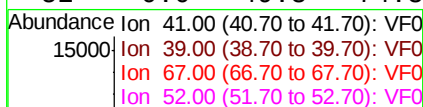
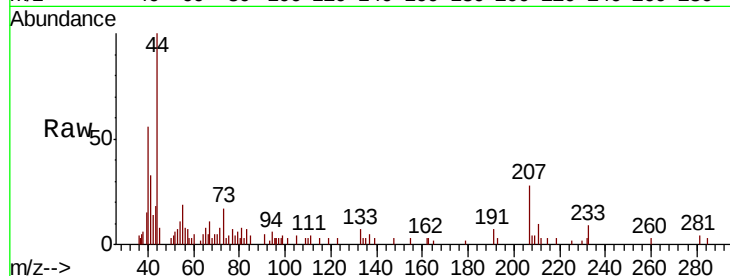




#41
Methacrylonitrile
Concen: 0.552 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.02 min
Lab File: VF062199.D
Acq: 18 Apr 2019 11:42

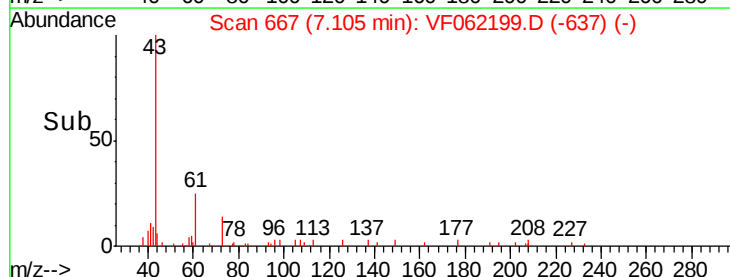
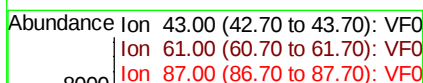
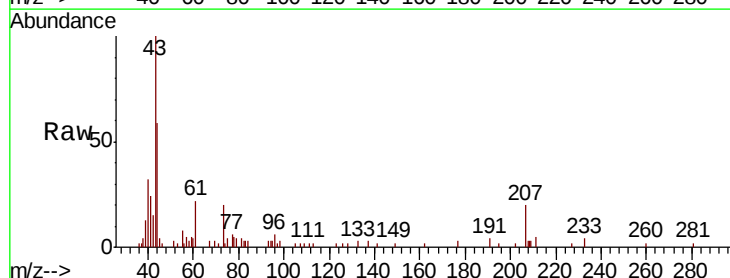
Instrument :
MSVOA_F
ClientSampled :

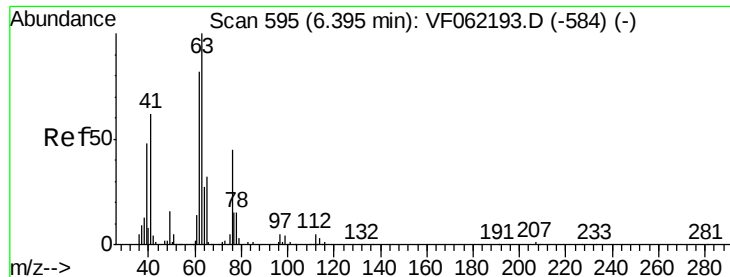
Tot Ion:	41	Resp:	1369
Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.7	67.1#
67	0.0	39.1	58.7#
52	0.0	49.8	74.8#



#43
Isopropyl Acetate
Concen: 3.518 ug/l
RT: 7.10 min Scan# 667
Delta R.T. 0.00 min
Lab File: VF062199.D
Acq: 18 Apr 2019 11:42

Tgt Ion:	43	Resp:	15908
Ion	Ratio	Lower	Upper
43	100		
61	30.2	24.4	36.6
87	0.7	0.4	0.6#





#45

1,2-Dichloropropane

Concen: 0.232 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.01 min

Lab File: VF062199.D

Acq: 18 Apr 2019 11:42

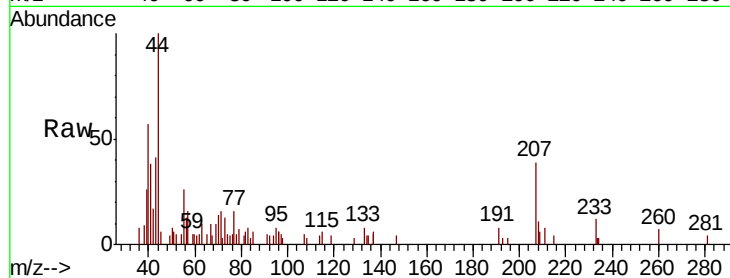
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 1221

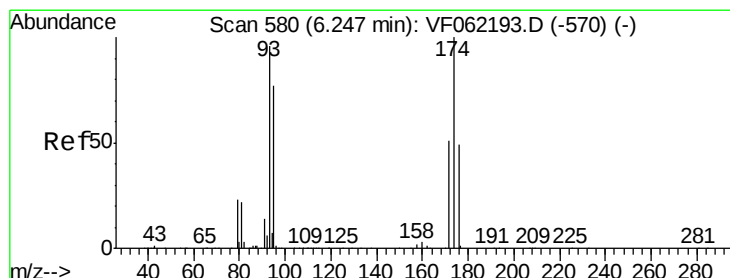
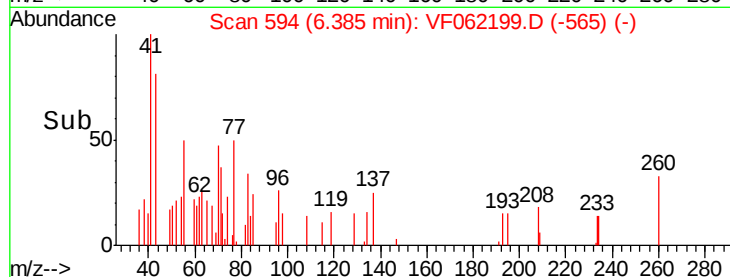
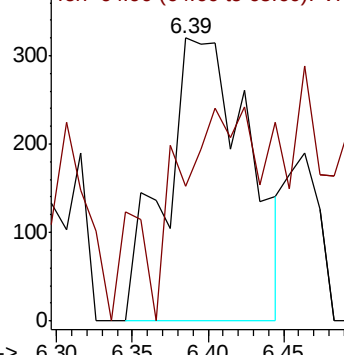
Ion Ratio Lower Upper

63 100

65 9.4 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: 0.209 ug/l

RT: 6.23 min Scan# 578

Delta R.T. -0.02 min

Lab File: VF062199.D

Acq: 18 Apr 2019 11:42

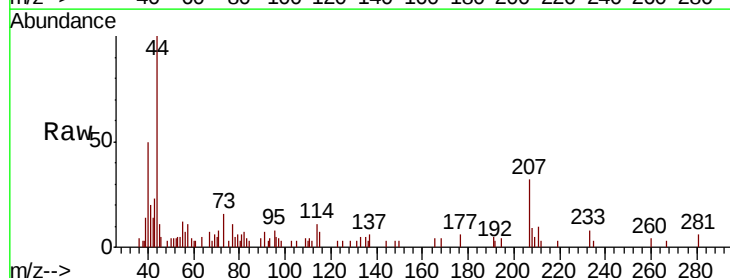
Tgt Ion: 93 Resp: 731

Ion Ratio Lower Upper

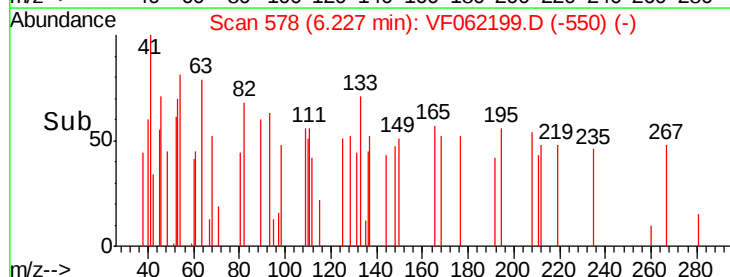
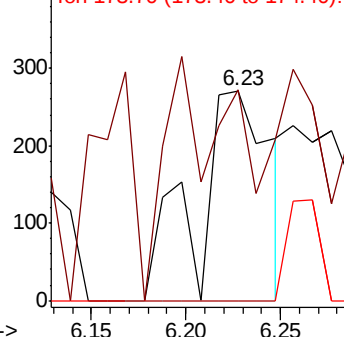
93 100

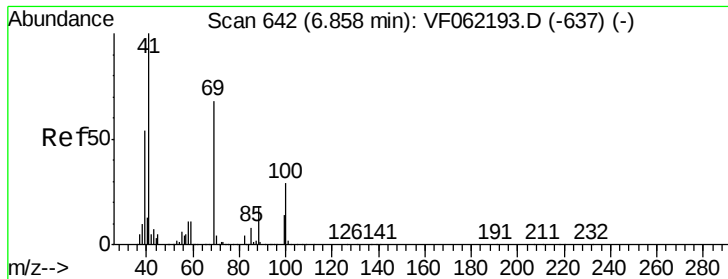
95 0.0 65.1 97.7#

174 0.0 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

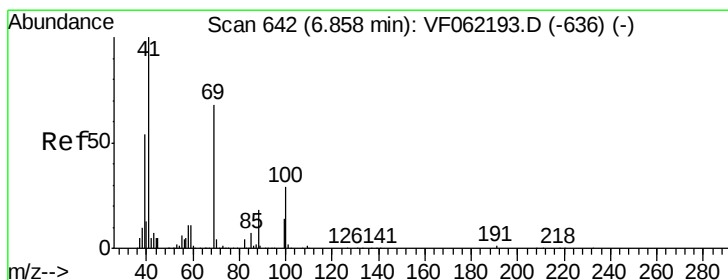
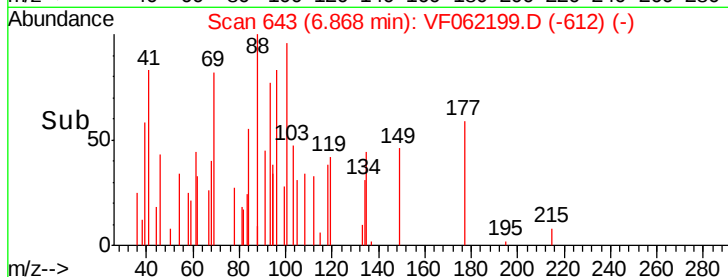
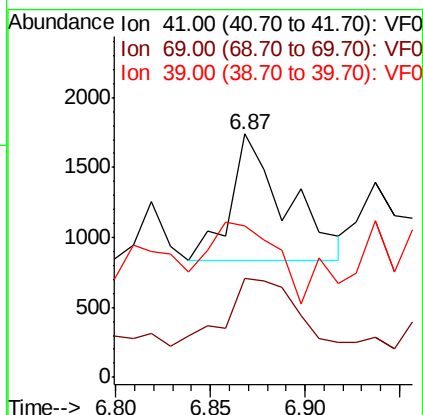
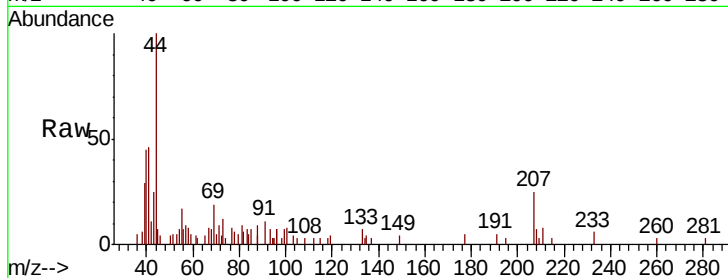




#48
Methvl methacrvlate
Concen: 0.623 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF062199.D
Acq: 18 Apr 2019 11:42

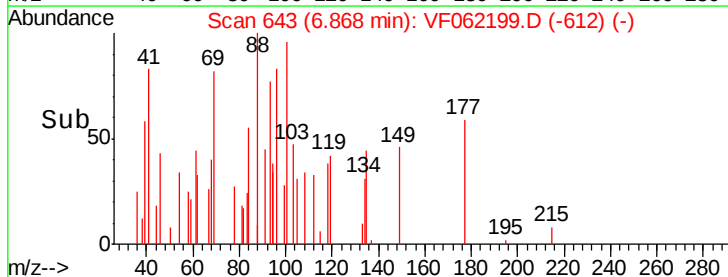
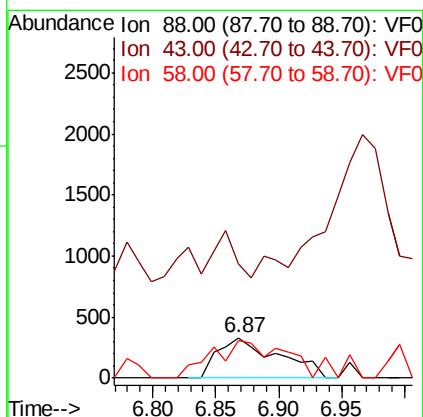
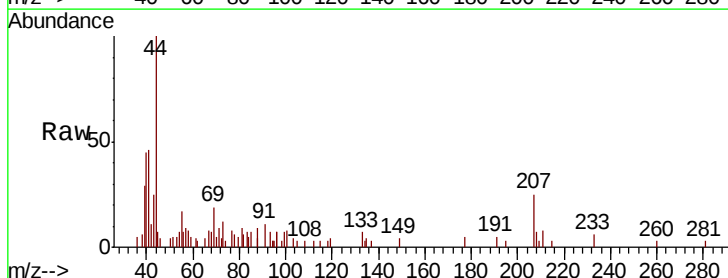
Instrument :
MSVOA_F
ClientSampled :

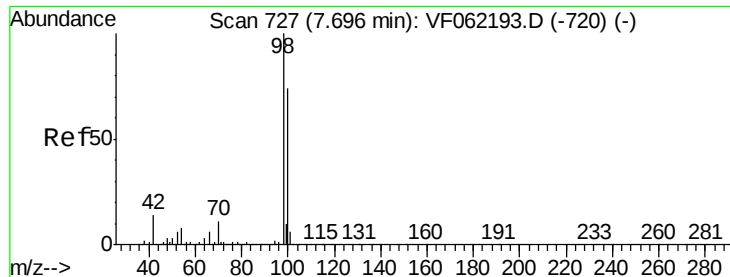
Tot Ion: 41 Resp: 1852
Ion Ratio Lower Upper
41 100
69 64.6 54.9 82.3
39 76.4 43.6 65.4#



#49
1,4-Dioxane
Concen: 32.484 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF062199.D
Acq: 18 Apr 2019 11:42

Tgt Ion: 88 Resp: 1107
Ion Ratio Lower Upper
88 100
43 0.0 36.9 55.3#
58 108.3 56.8 85.2#

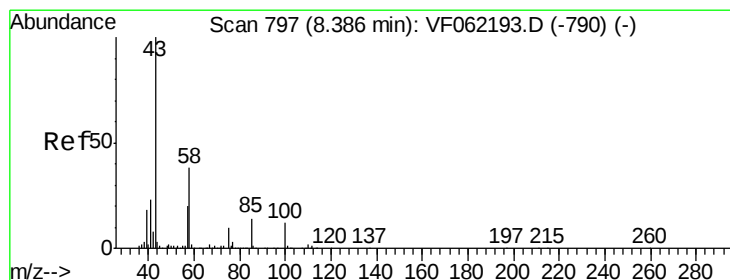
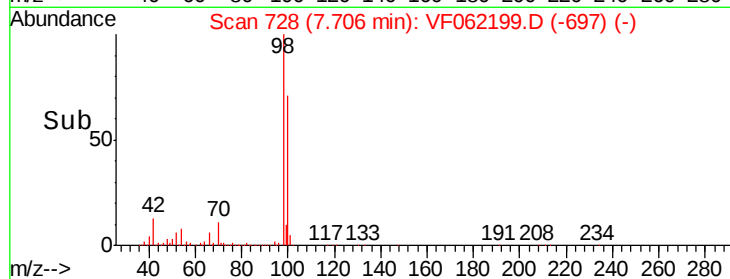
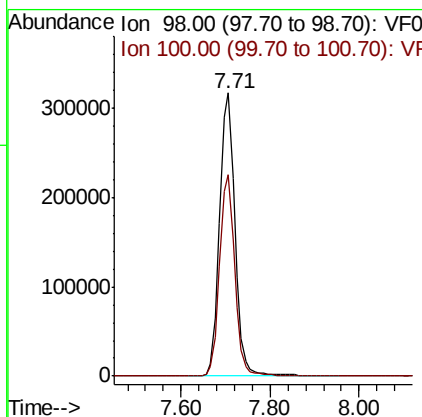
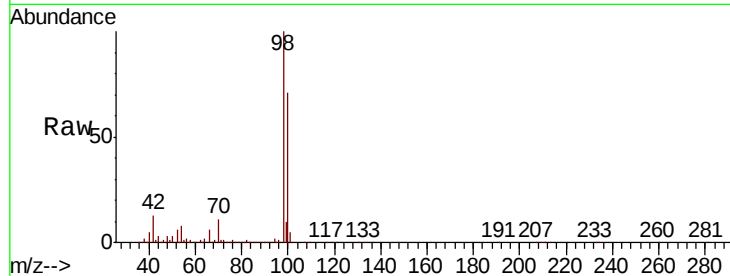




#50
Toluene-d8
Concen: 45.367 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.01 min
Lab File: VF062199.D
Acq: 18 Apr 2019 11:42

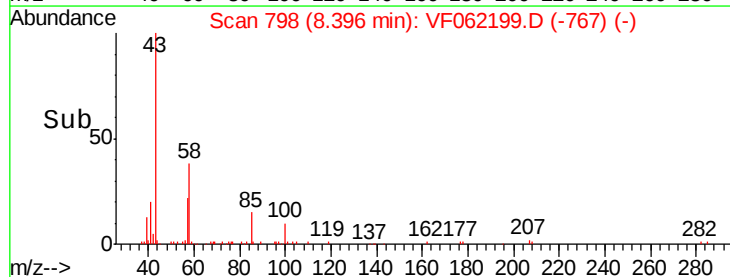
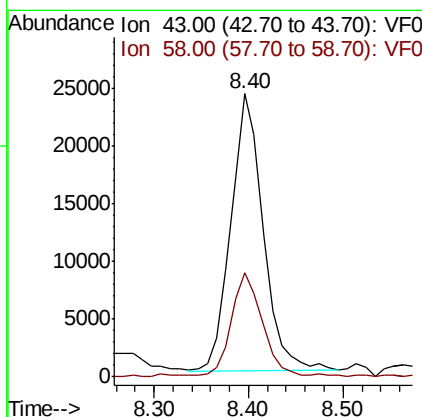
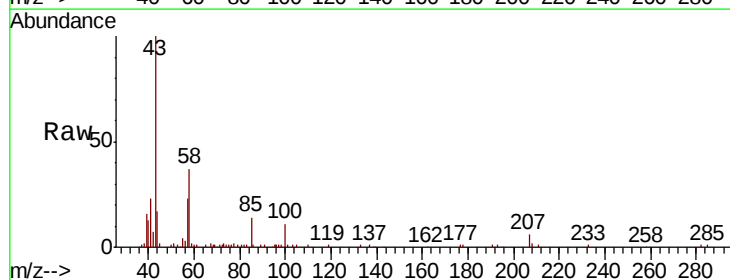
Instrument :
MSVOA_F
ClientSampleId :

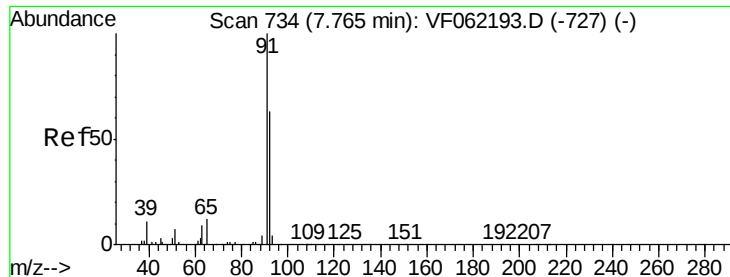
Tot Ion: 98 Resp: 763337
Ion Ratio Lower Upper
98 100
100 70.0 56.2 84.2



#51
4-Methyl-2-Pentanone
Concen: 16.785 ug/l
RT: 8.40 min Scan# 798
Delta R.T. 0.01 min
Lab File: VF062199.D
Acq: 18 Apr 2019 11:42

Tgt Ion: 43 Resp: 56449
Ion Ratio Lower Upper
43 100
58 36.9 29.3 43.9





#52

Toluene

Concen: 0.260 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF062199.D

Acq: 18 Apr 2019 11:42

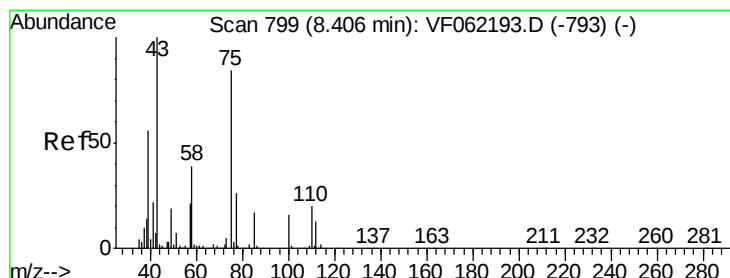
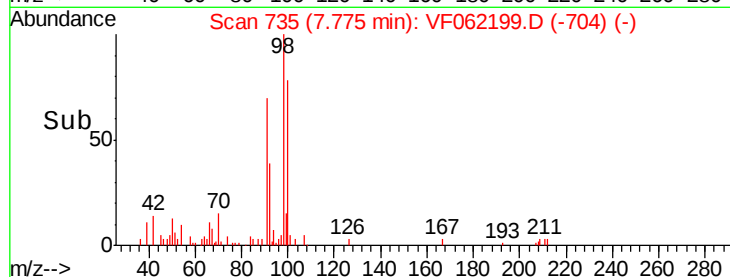
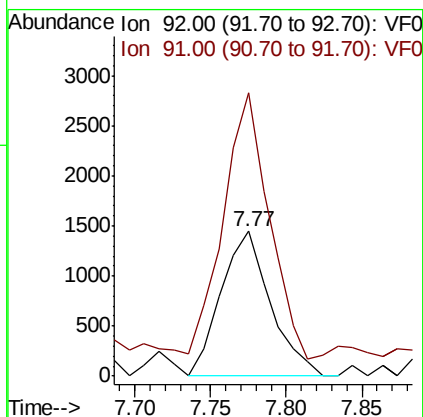
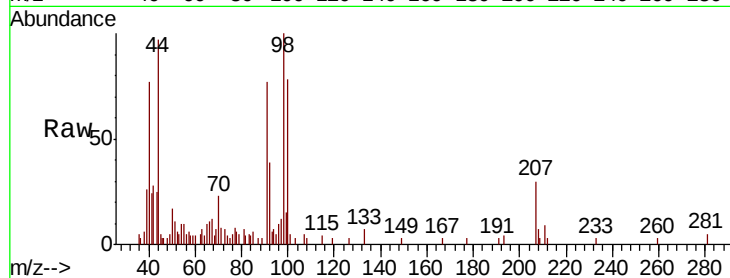
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 92 Resp: 3278

Ion Ratio Lower Upper

92 100

91 177.9 130.1 195.1



#53

t-1,3-Dichloropropene

Concen: 0.299 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062199.D

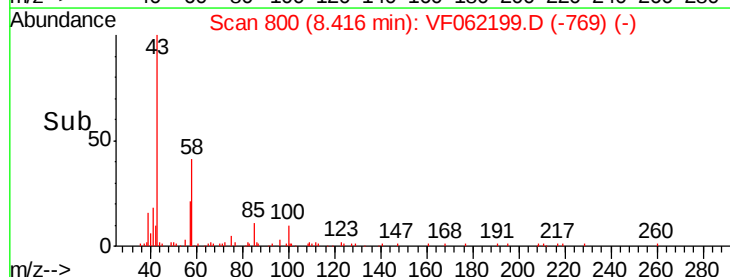
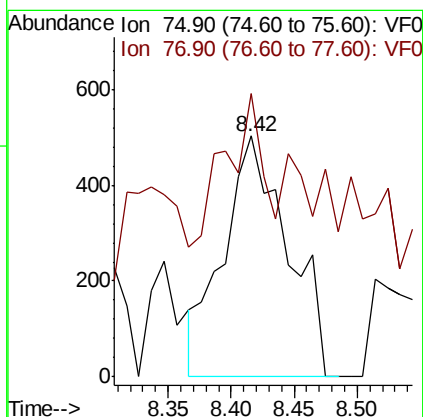
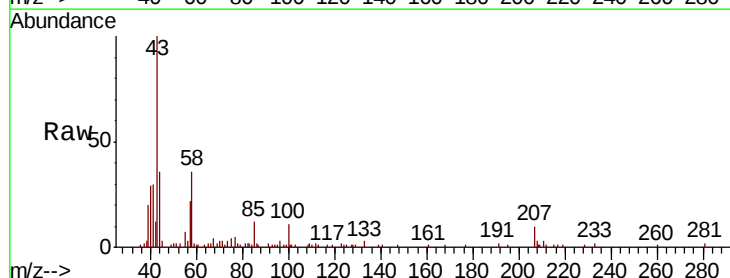
Acq: 18 Apr 2019 11:42

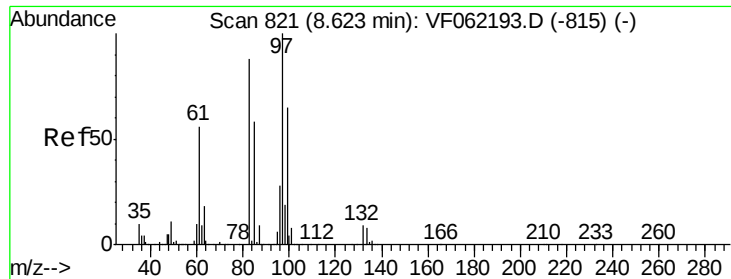
Tgt Ion: 75 Resp: 1777

Ion Ratio Lower Upper

75 100

77 63.5 24.6 36.8#





#55

1,1,2-Trichloroethane

Concen: 0.373 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF062199.D

Acq: 18 Apr 2019 11:42

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 1316

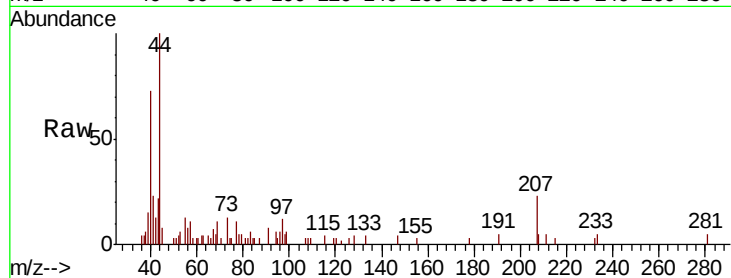
Ion Ratio Lower Upper

97 100

83 14.9 70.2 105.2#

85 28.3 46.2 69.4#

99 47.3 52.2 78.4#

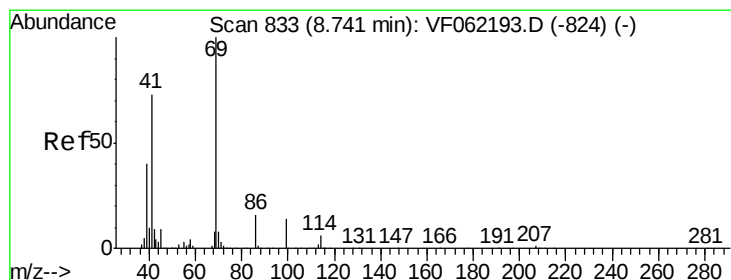
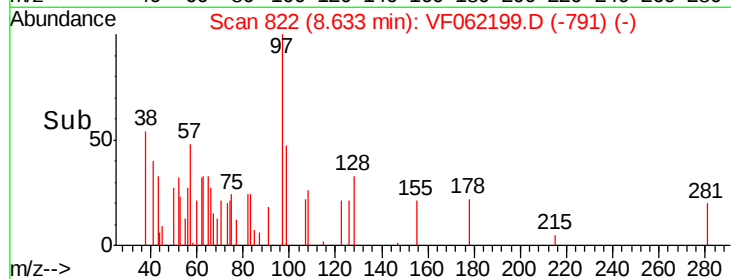
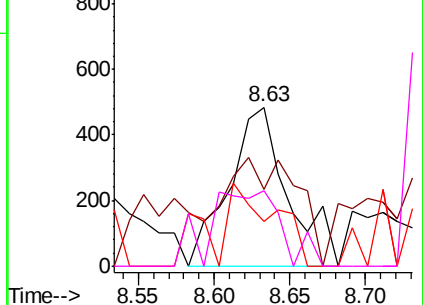


Abundance Ion 96.90 (96.60 to 97.60): VF0

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: 4.612 ug/l

RT: 8.75 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF062199.D

Acq: 18 Apr 2019 11:42

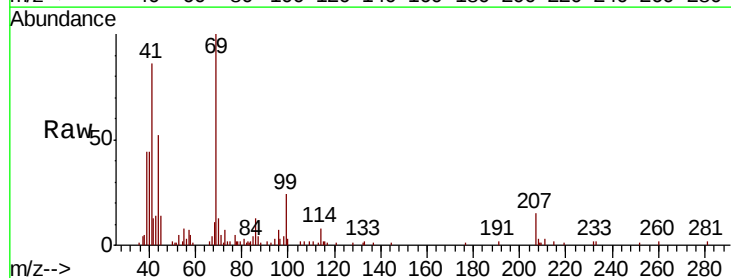
Tgt Ion: 69 Resp: 18504

Ion Ratio Lower Upper

69 100

41 83.6 61.5 92.3

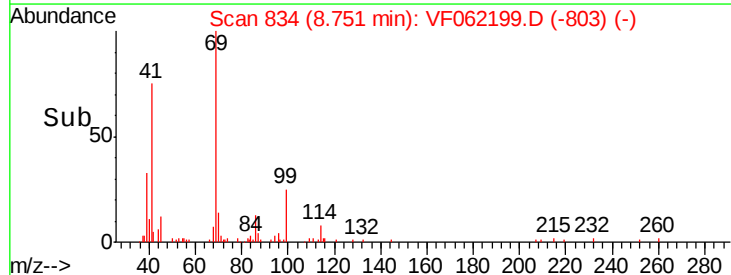
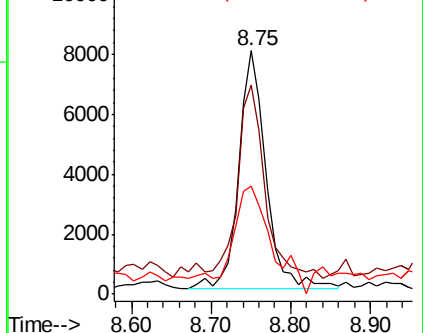
39 64.4 33.3 49.9#

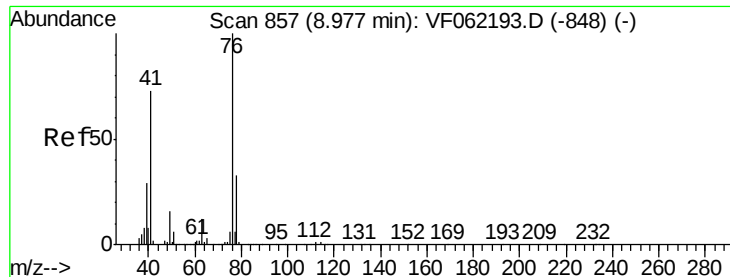


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 0.242 ug/l

RT: 8.98 min Scan# 857

Delta R.T. 0.00 min

Lab File: VF062199.D

Acq: 18 Apr 2019 11:42

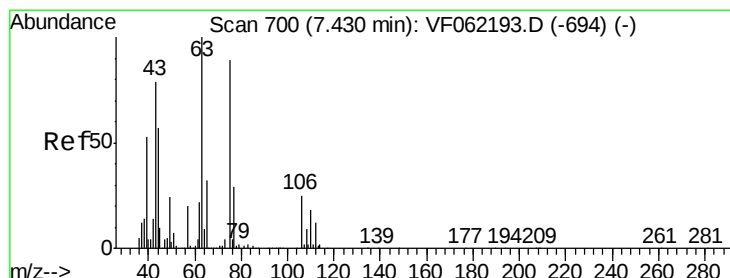
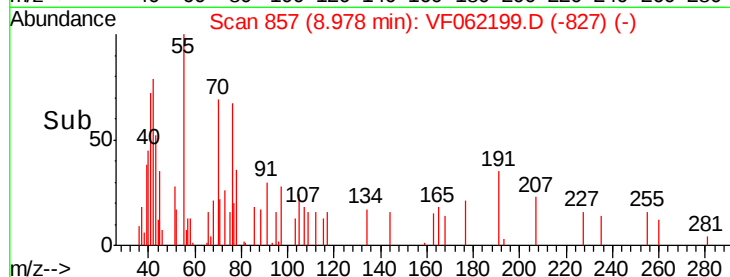
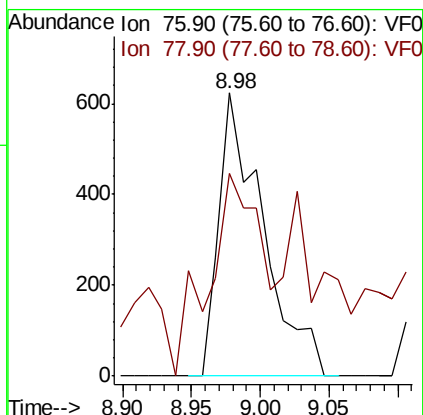
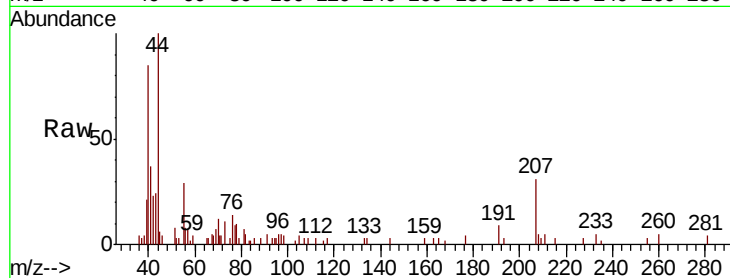
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 1380

Ion Ratio Lower Upper

76 100

78 84.1 26.5 39.7#



#58

2-Chloroethyl Vinyl ether

Concen: 0.204 ug/l

RT: 7.56 min Scan# 713

Delta R.T. 0.13 min

Lab File: VF062199.D

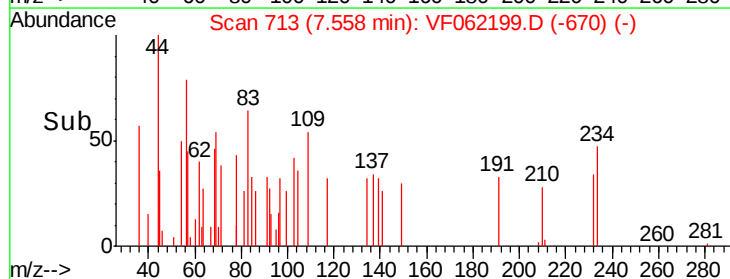
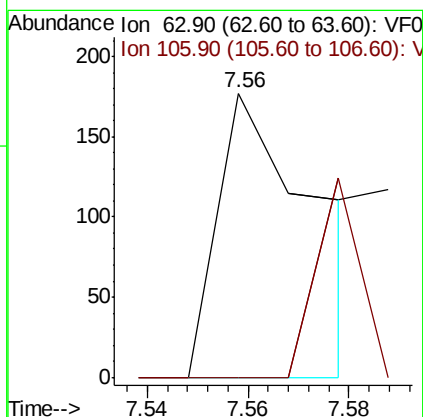
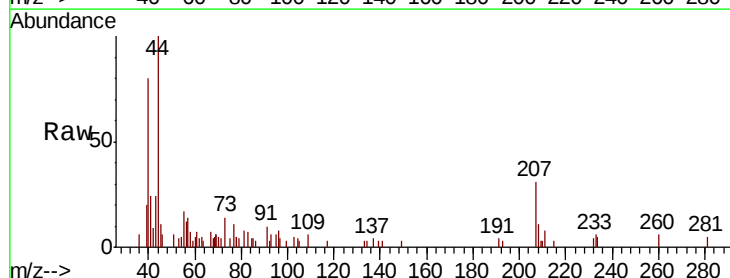
Acq: 18 Apr 2019 11:42

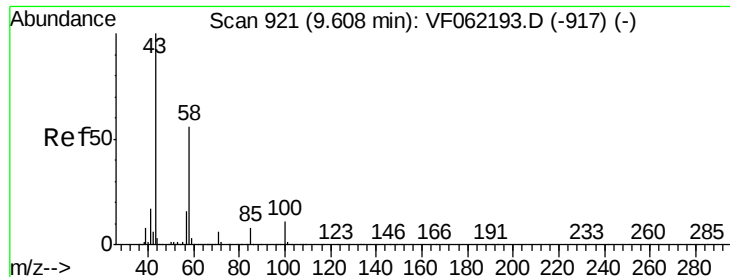
Tgt Ion: 63 Resp: 238

Ion Ratio Lower Upper

63 100

106 30.7 21.4 32.0

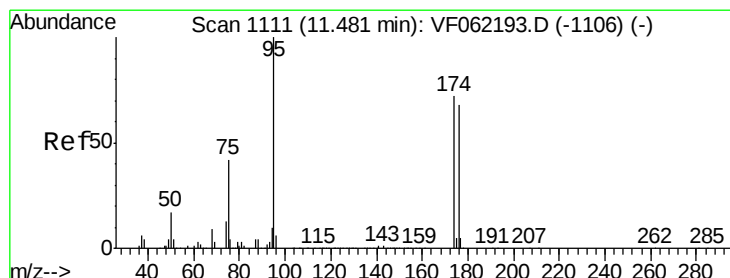
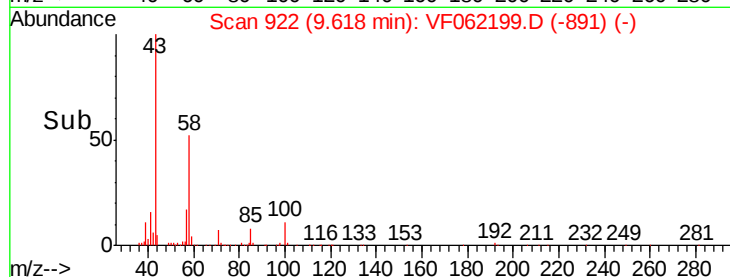
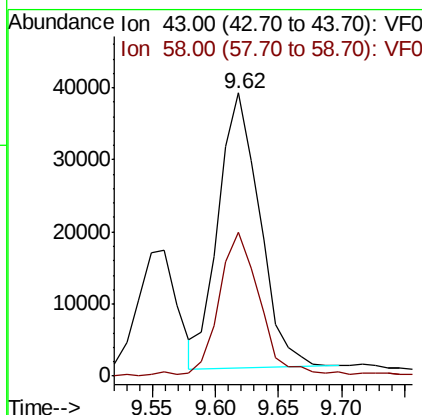
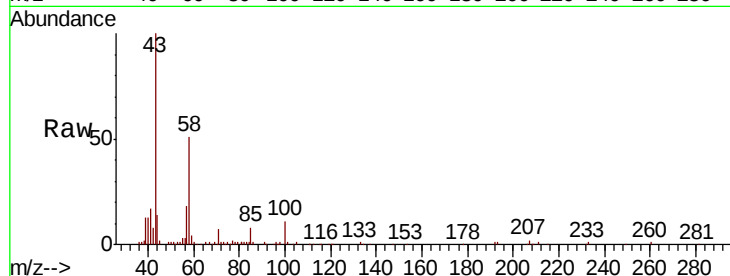




#59
2-Hexanone
Concen: 41.348 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.01 min
Lab File: VF062199.D
Acq: 18 Apr 2019 11:42

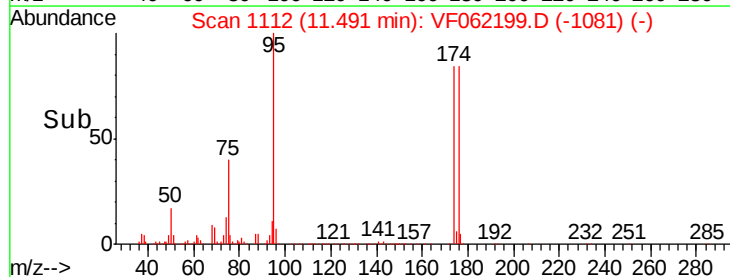
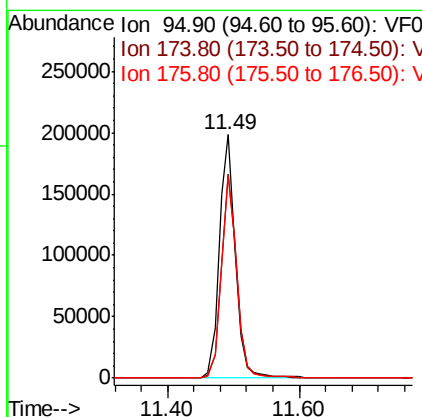
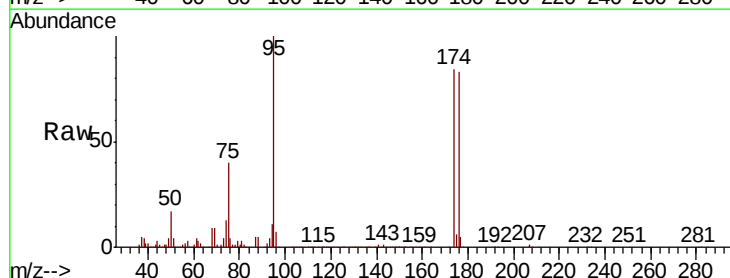
Instrument :
MSVOA_F
ClientSampled :

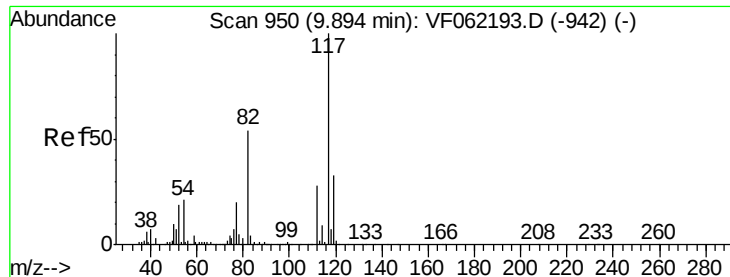
Tot Ion: 43 Resp: 86475
Ion Ratio Lower Upper
43 100
58 53.3 24.6 74.0



#62
4-Bromofluorobenzene
Concen: 51.484 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VF062199.D
Acq: 18 Apr 2019 11:42

Tgt Ion: 95 Resp: 333241
Ion Ratio Lower Upper
95 100
174 82.1 0.0 159.4
176 81.1 0.0 155.4

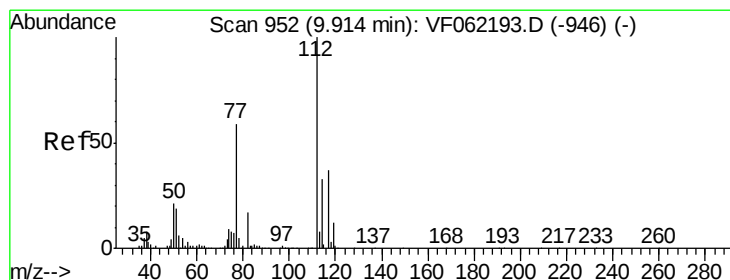
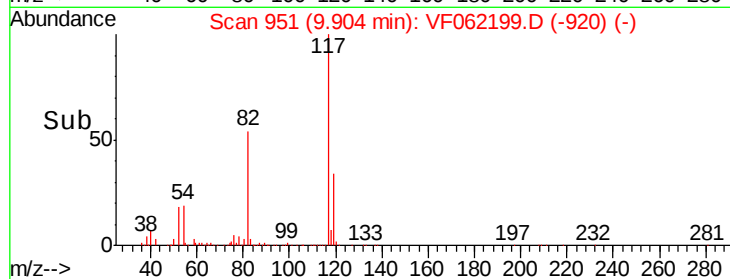
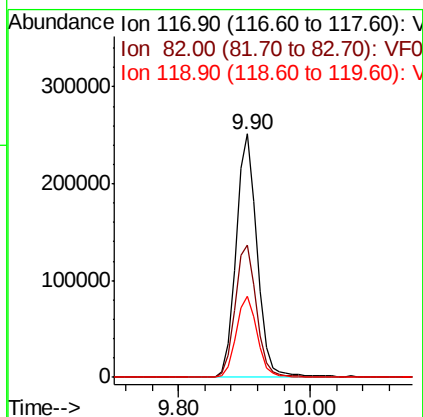
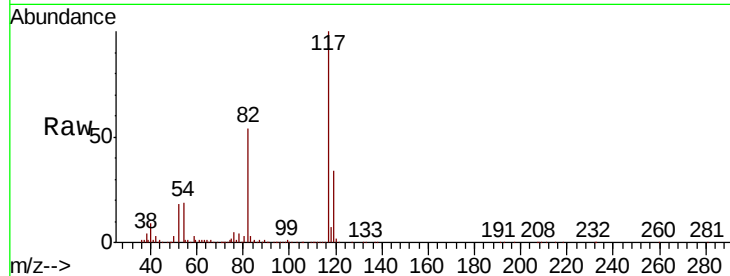




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. 0.01 min
Lab File: VF062199.D
Acq: 18 Apr 2019 11:42

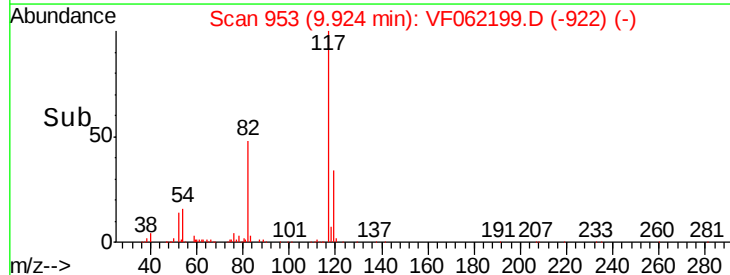
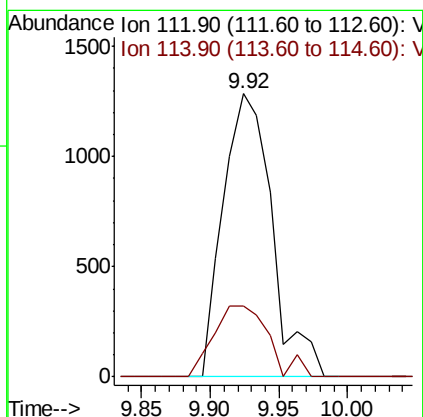
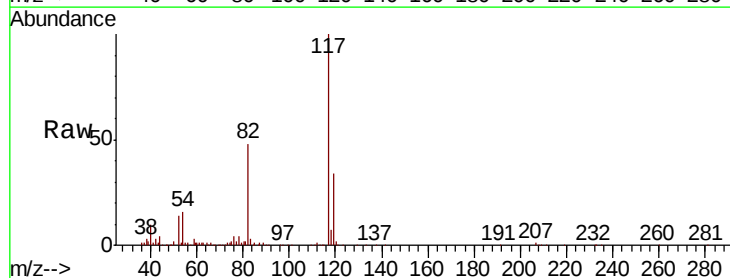
Instrument :
MSVOA_F
ClientSampleId :

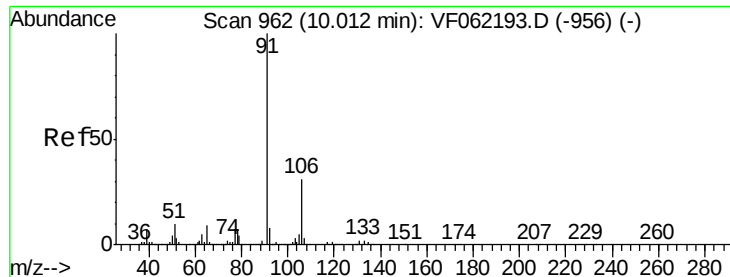
Tot Ion:117 Resp: 565253
Ion Ratio Lower Upper
117 100
82 54.3 43.2 64.8
119 33.5 26.2 39.4



#65
Chlorobenzene
Concen: 0.263 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF062199.D
Acq: 18 Apr 2019 11:42

Tgt Ion:112 Resp: 3174
Ion Ratio Lower Upper
112 100
114 25.2 26.1 39.1#





#67

Ethyl Benzene

Concen: 0.299 ug/l

RT: 10.02 min Scan# 963

Delta R.T. 0.01 min

Lab File: VF062199.D

Acq: 18 Apr 2019 11:42

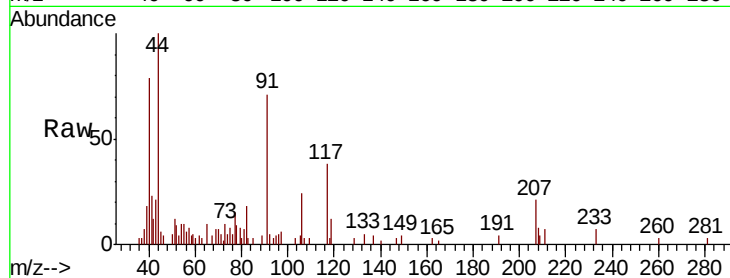
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 6546

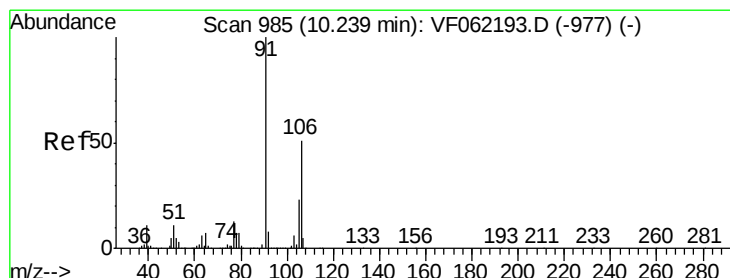
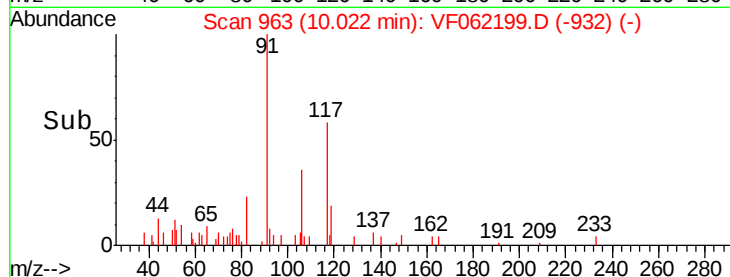
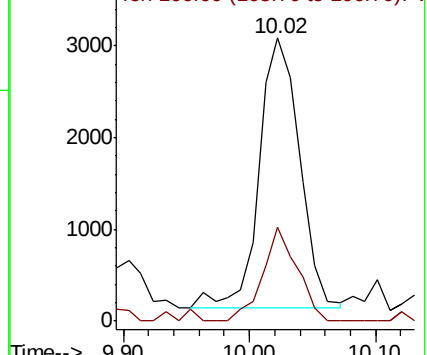
Ion Ratio Lower Upper

91 100

106 35.1 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 0.590 ug/l

RT: 10.25 min Scan# 986

Delta R.T. 0.01 min

Lab File: VF062199.D

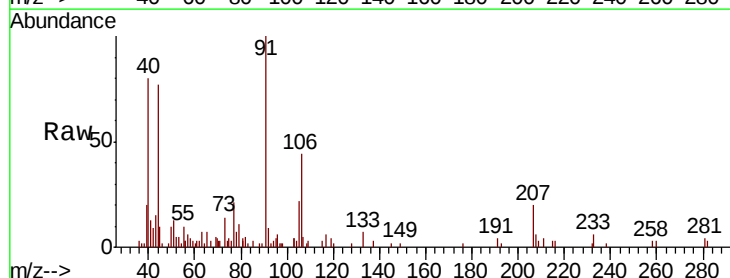
Acq: 18 Apr 2019 11:42

Tgt Ion: 106 Resp: 4764

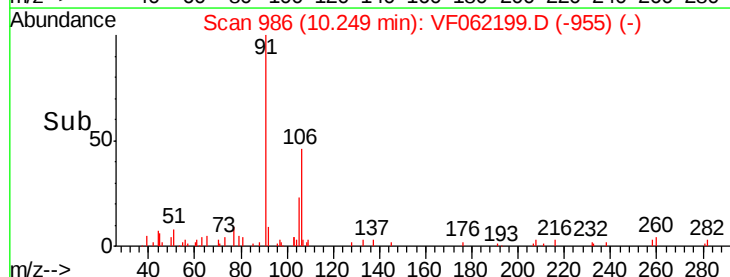
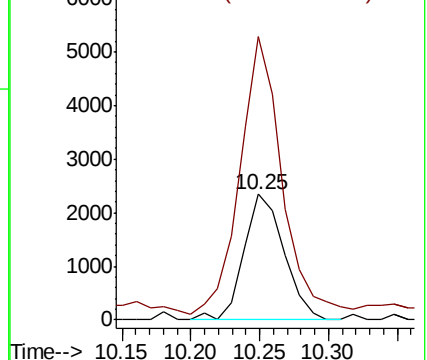
Ion Ratio Lower Upper

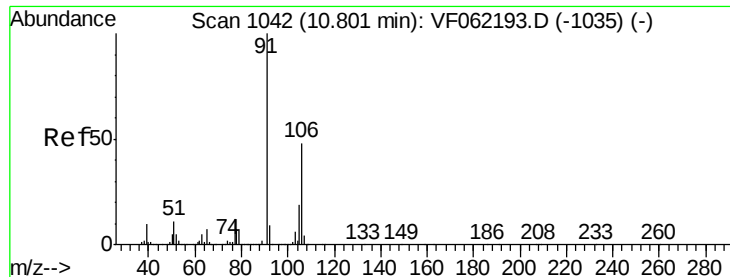
106 100

91 229.1 159.1 238.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

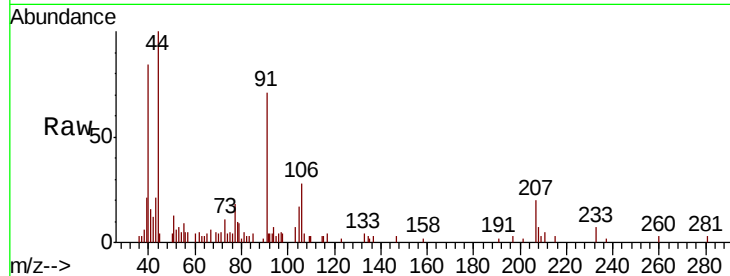




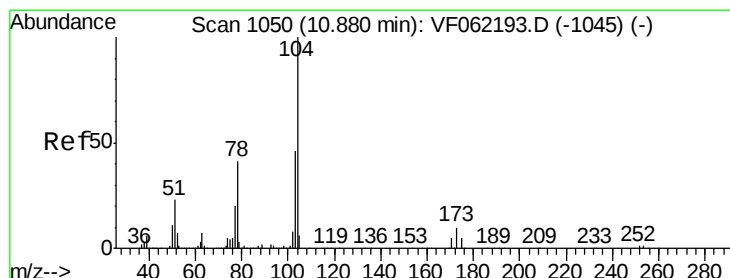
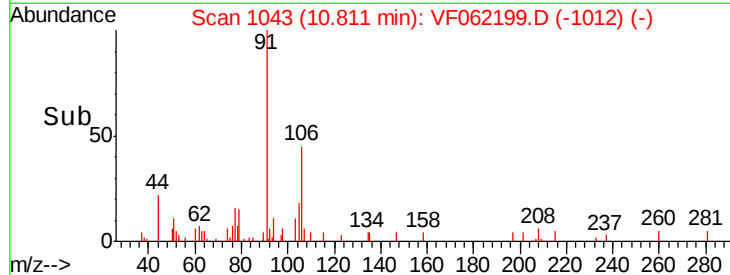
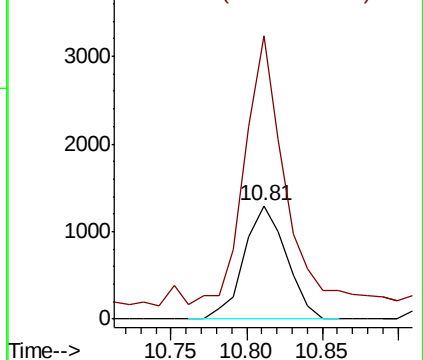
#69
o-Xylene
Concen: 0.281 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VF062199.D
Acq: 18 Apr 2019 11:42

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:106 Resp: 2518
Ion Ratio Lower Upper
106 100
91 234.4 107.5 322.4

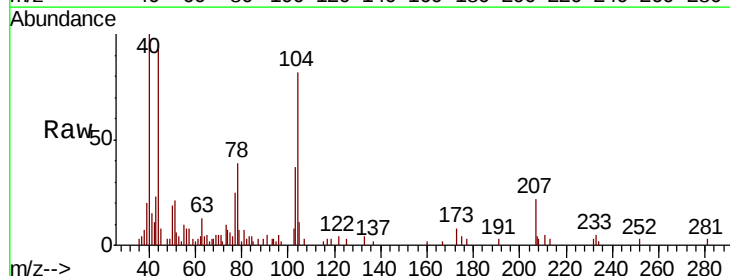


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

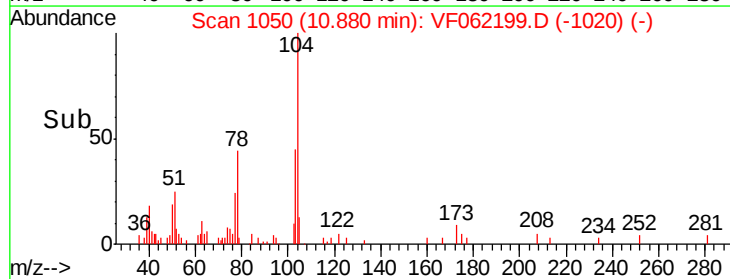
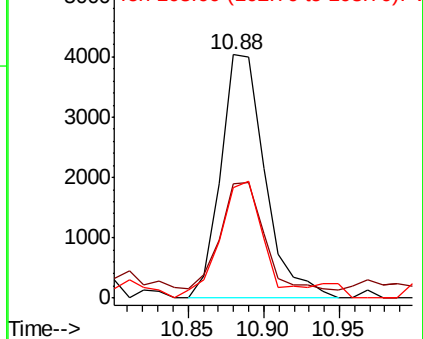


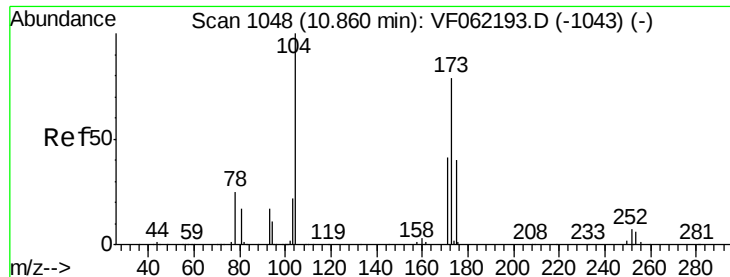
#70
Styrene
Concen: 0.651 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VF062199.D
Acq: 18 Apr 2019 11:42

Tgt Ion:104 Resp: 8235
Ion Ratio Lower Upper
104 100
78 52.4 34.5 51.7#
103 48.1 37.2 55.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.269 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. 0.01 min

Lab File: VF062199.D

Acq: 18 Apr 2019 11:42

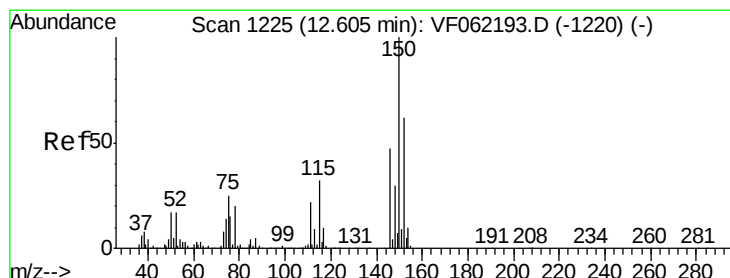
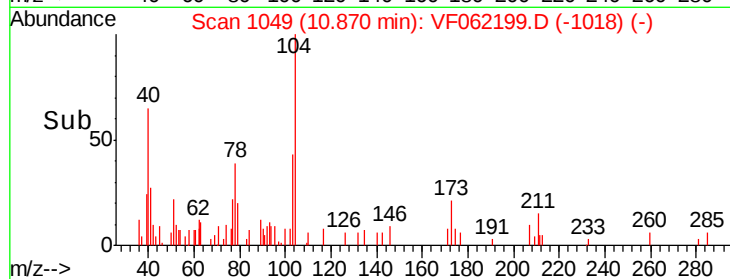
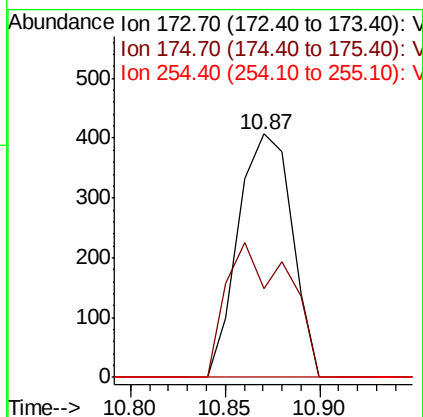
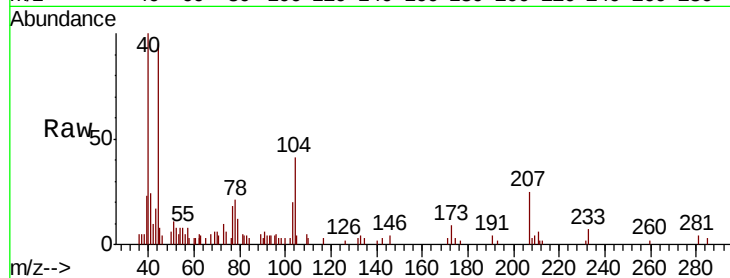
Instrument :

MSVOA_F

ClientSampled :

Tot Ion:173 Resp: 802

Ion	Ratio	Lower	Upper
173	100		
175	63.6	24.5	73.5
254	0.0	0.1	0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

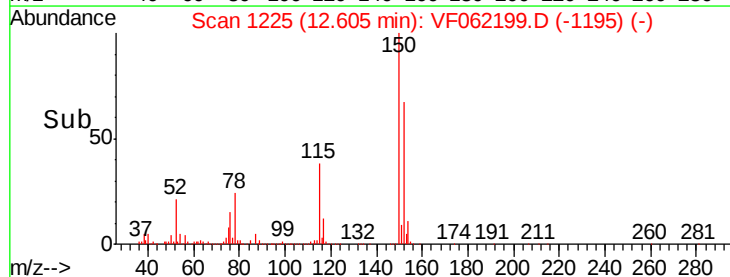
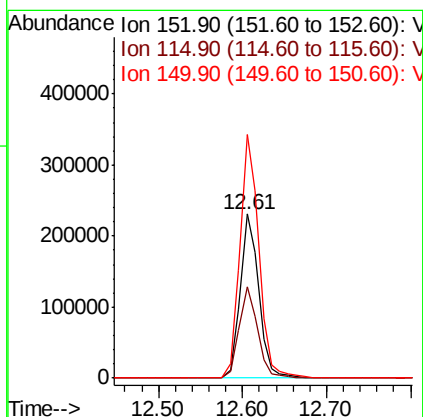
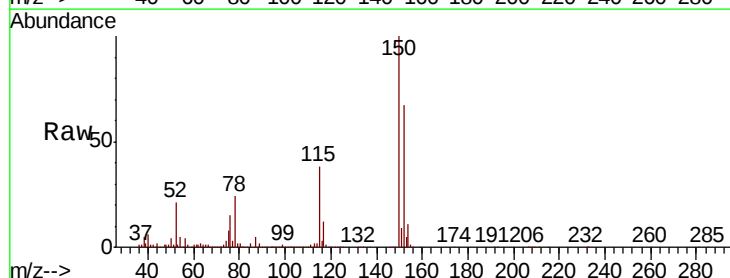
Delta R.T. 0.00 min

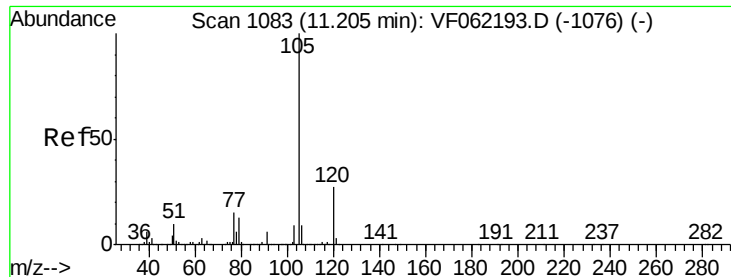
Lab File: VF062199.D

Acq: 18 Apr 2019 11:42

Tgt Ion:152 Resp: 353457

Ion	Ratio	Lower	Upper
152	100		
115	55.4	27.8	83.3
150	152.2	0.0	341.8





#73

Isopropylbenzene

Concen: 0.232 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VF062199.D

Acq: 18 Apr 2019 11:42

Instrument :

MSVOA_F

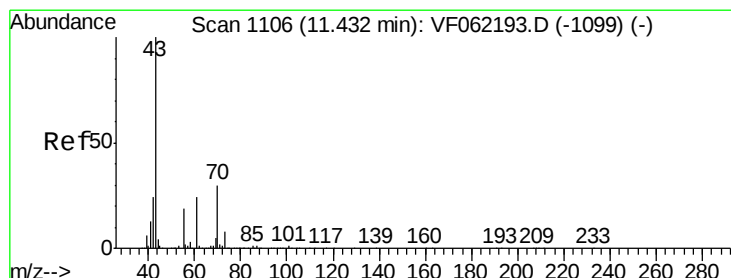
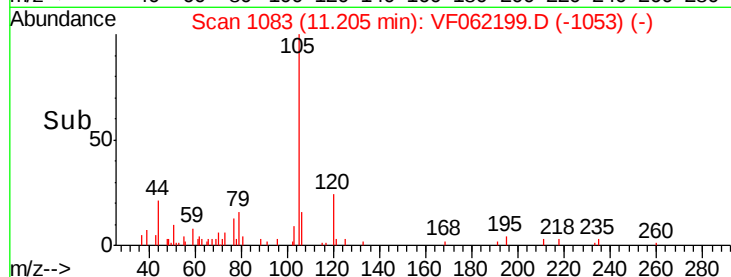
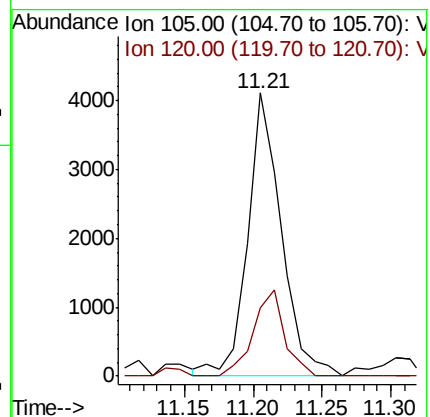
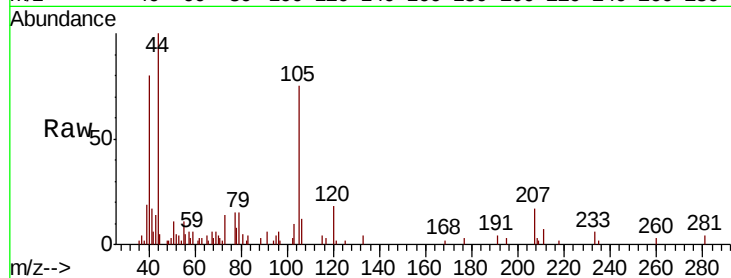
ClientSampleId :

Tot Ion:105 Resp: 7031

Ion Ratio Lower Upper

105 100

120 28.2 13.0 38.9



#74

N-ethyl acetate

Concen: 6.581 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VF062199.D

Acq: 18 Apr 2019 11:42

Tgt Ion: 43 Resp: 61152

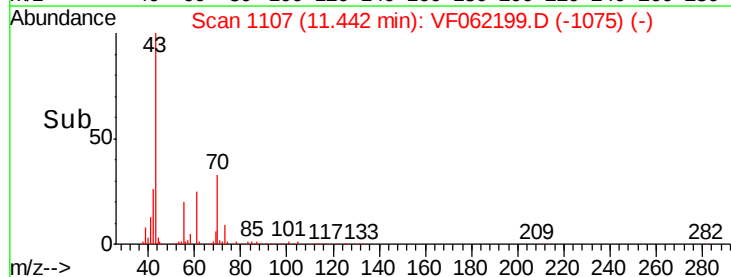
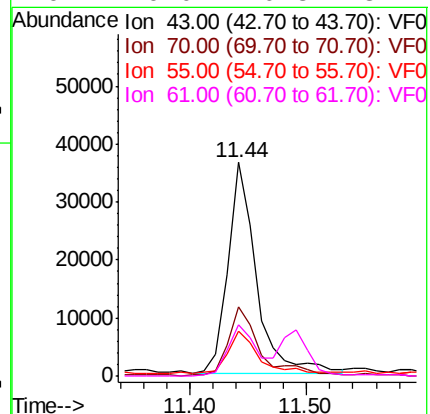
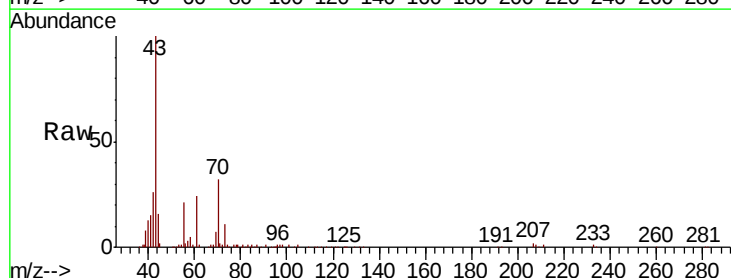
Ion Ratio Lower Upper

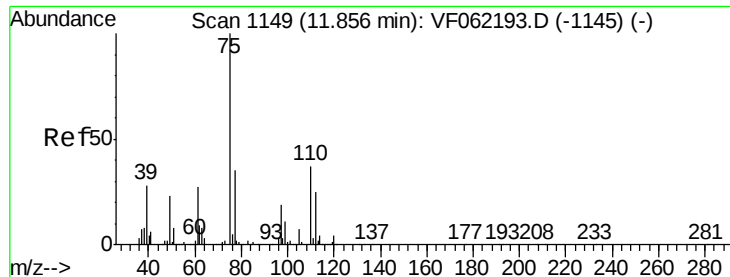
43 100

70 37.4 27.0 40.4

55 22.8 15.7 23.5

61 26.0 20.8 31.2

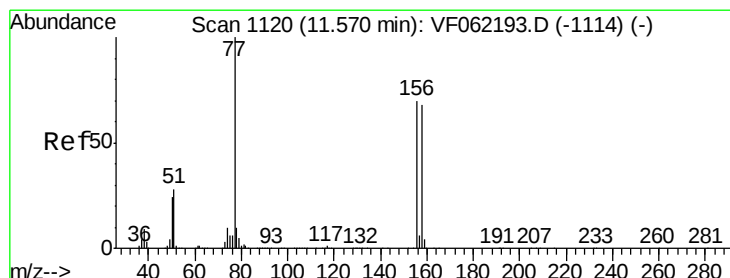
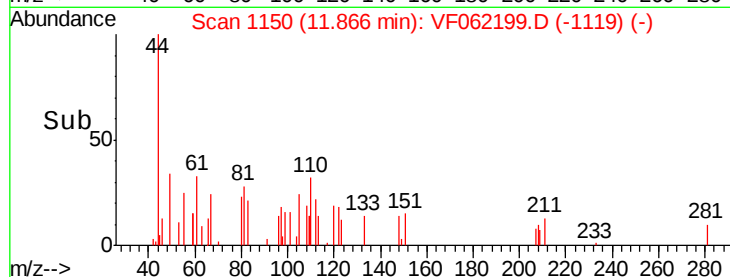
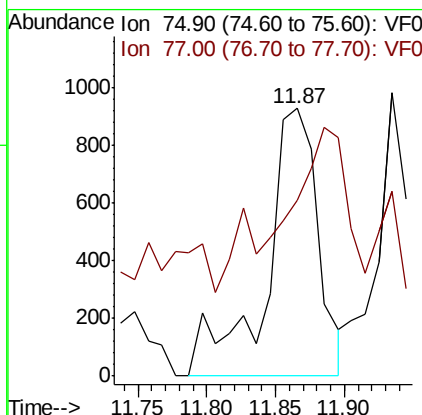
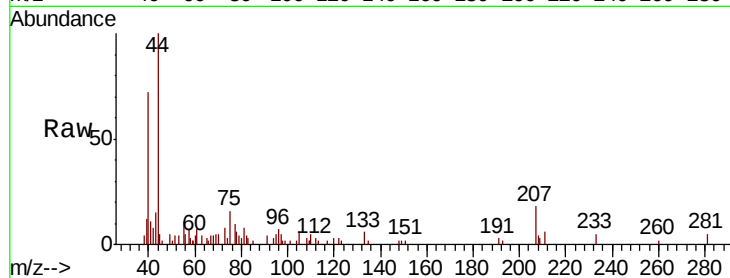




#76
 1,2,3-Trichloropropane
 Concen: 0.675 ug/l
 RT: 11.87 min Scan# 1150
 Delta R.T. 0.01 min
 Lab File: VF062199.D
 Acq: 18 Apr 2019 11:42

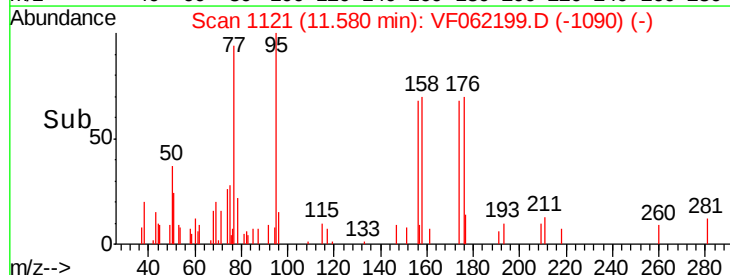
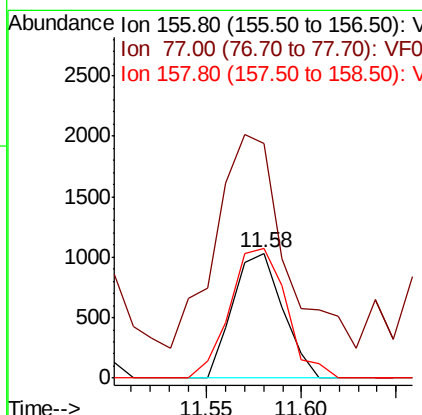
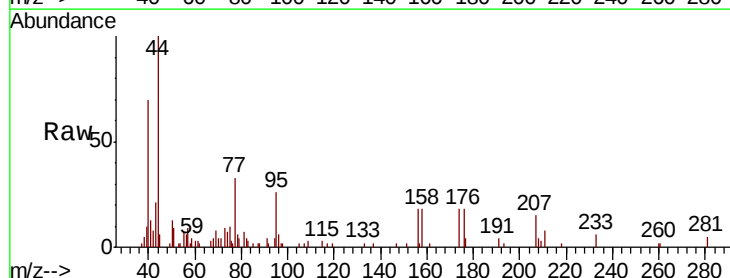
Instrument :
 MSVOA_F
 ClientSampled :

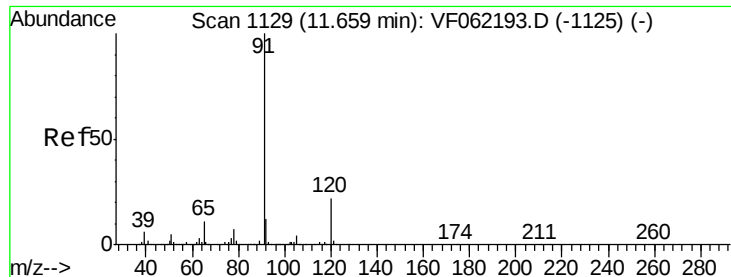
Tot Ion: 75 Resp: 2425
 Ion Ratio Lower Upper
 75 100
 77 56.6 7.4 22.2#



#77
 Bromobenzene
 Concen: 0.291 ug/l
 RT: 11.58 min Scan# 1121
 Delta R.T. 0.01 min
 Lab File: VF062199.D
 Acq: 18 Apr 2019 11:42

Tgt Ion: 156 Resp: 1893
 Ion Ratio Lower Upper
 156 100
 77 231.1 80.9 242.7
 158 116.6 49.8 149.4

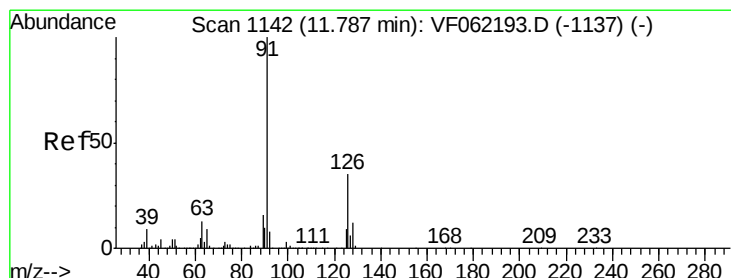
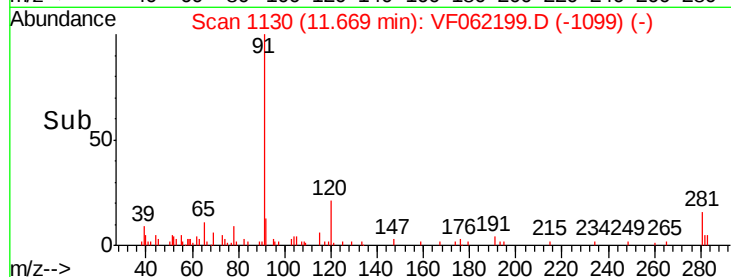
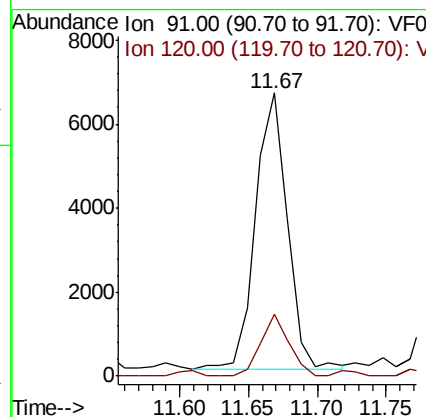
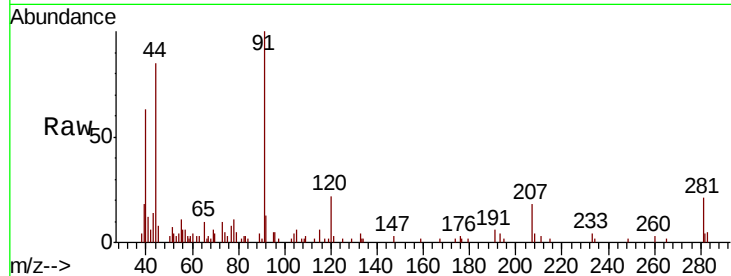




#78
n-propylbenzene
Concen: 0.329 ug/l
RT: 11.67 min Scan# 1130
Delta R.T. 0.01 min
Lab File: VF062199.D
Acq: 18 Apr 2019 11:42

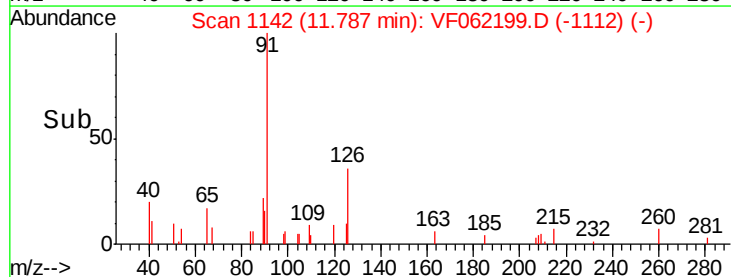
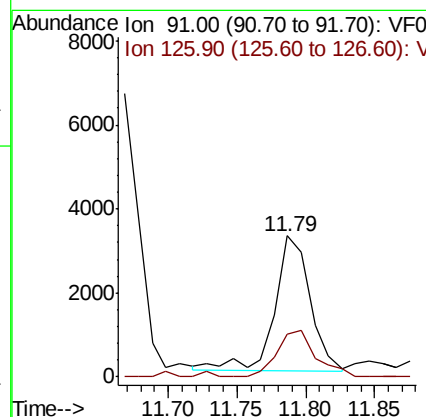
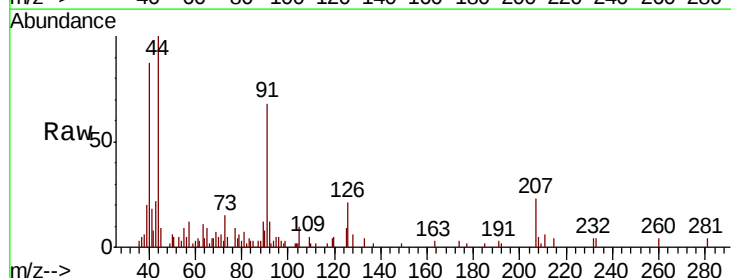
Instrument :
MSVOA_F
ClientSampleId :

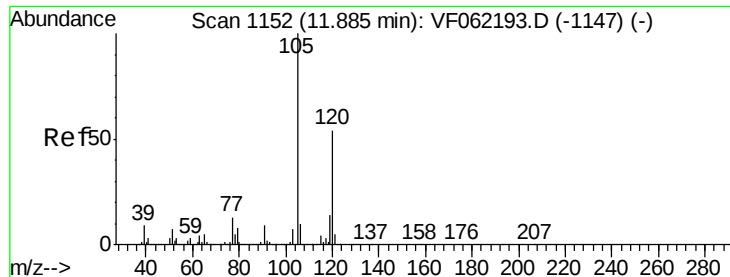
Tot Ion: 91 Resp: 10526
Ion Ratio Lower Upper
91 100
120 20.3 11.2 33.6



#79
2-Chlorotoluene
Concen: 0.295 ug/l
RT: 11.79 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VF062199.D
Acq: 18 Apr 2019 11:42

Tgt Ion: 91 Resp: 5733
Ion Ratio Lower Upper
91 100
126 38.0 16.9 50.6

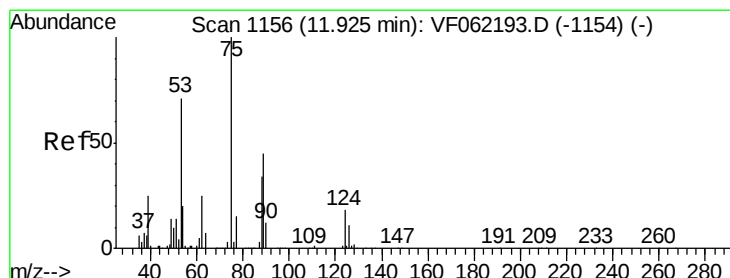
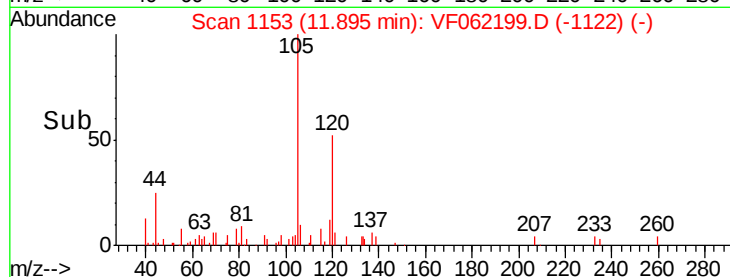
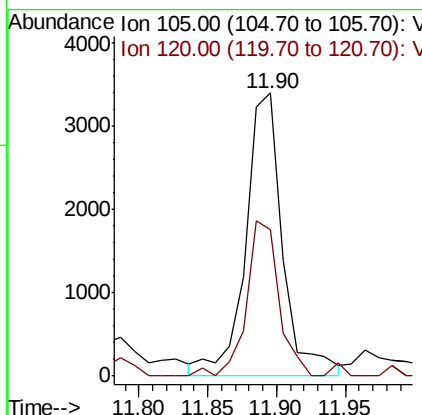
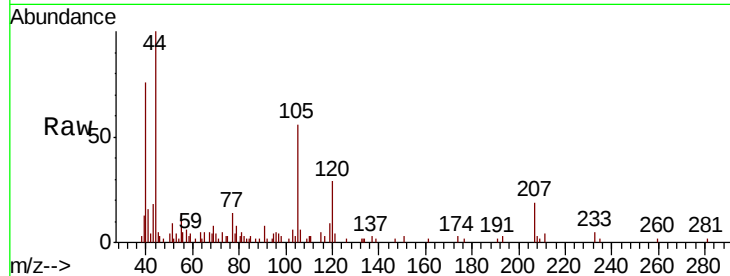




#80
 1,3,5-Trimethylbenzene
 Concen: 0.254 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. 0.01 min
 Lab File: VF062199.D
 Acq: 18 Apr 2019 11:42

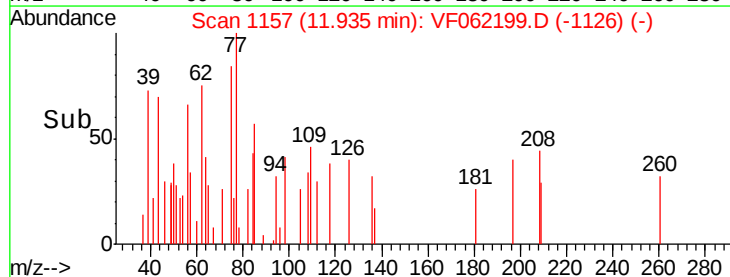
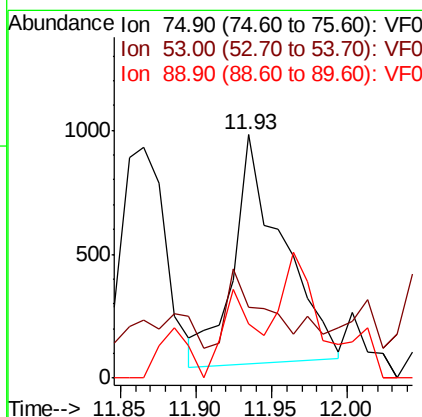
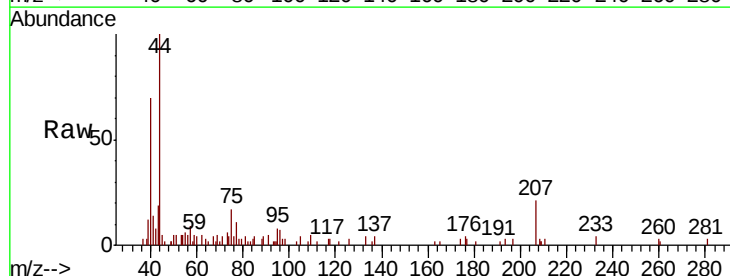
Instrument :
 MSVOA_F
 ClientSampleId :

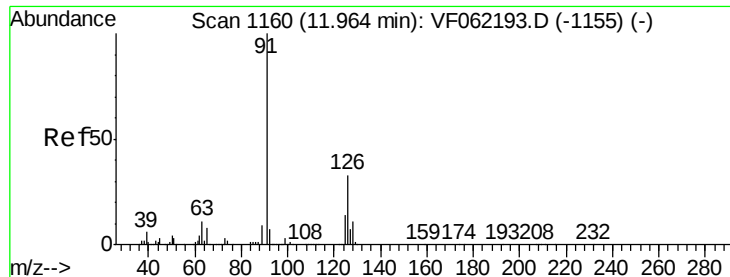
Tot Ion:105 Resp: 6411
 Ion Ratio Lower Upper
 105 100
 120 47.9 26.2 78.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 1.148 ug/l
 RT: 11.93 min Scan# 1157
 Delta R.T. 0.01 min
 Lab File: VF062199.D
 Acq: 18 Apr 2019 11:42

Tgt Ion: 75 Resp: 2103
 Ion Ratio Lower Upper
 75 100
 53 29.4 50.2 75.4#
 89 25.3 0.0 0.0#

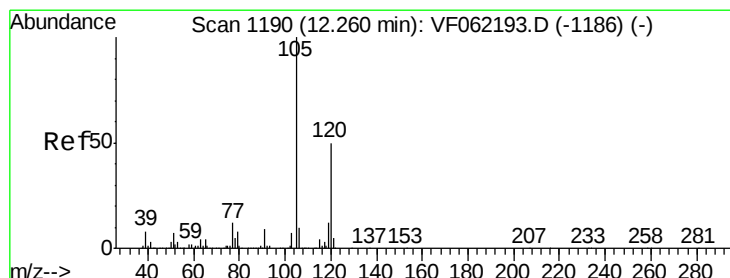
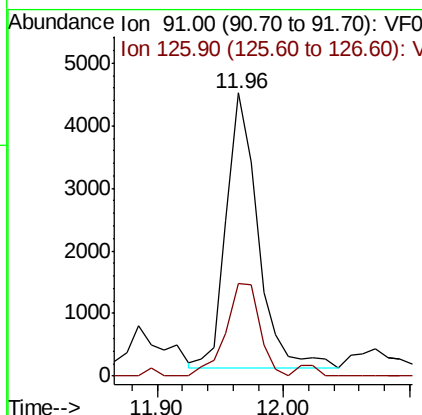
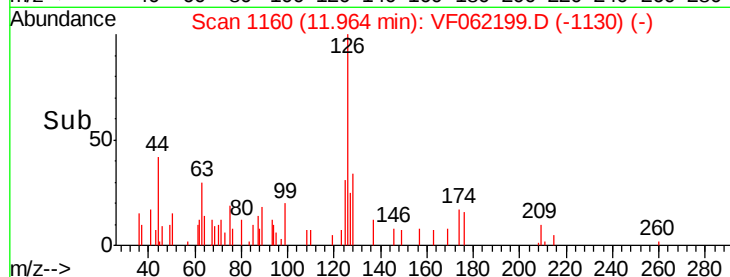
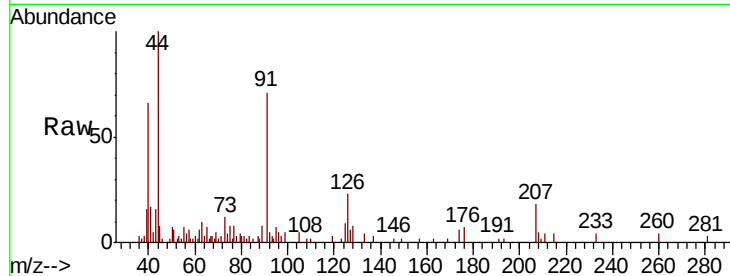




#82
4-Chlorotoluene
Concen: 0.409 ug/l
RT: 11.96 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VF062199.D
Acq: 18 Apr 2019 11:42

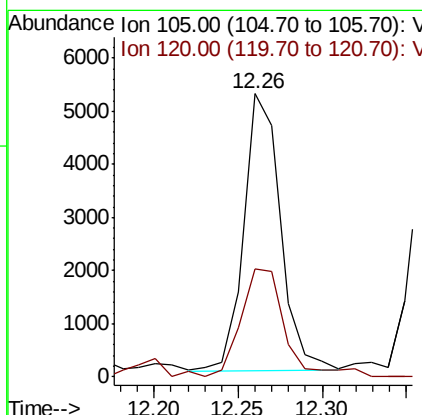
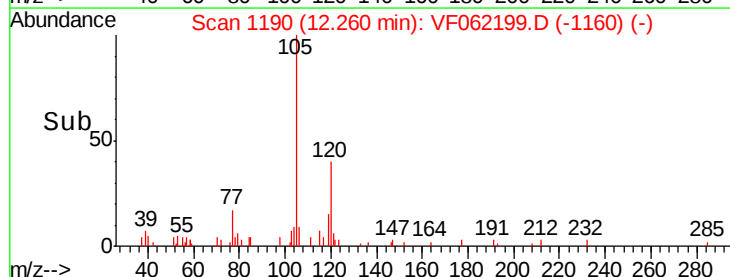
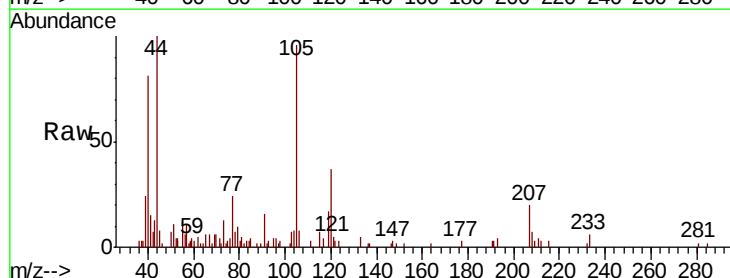
Instrument :
MSVOA_F
ClientSampleId :

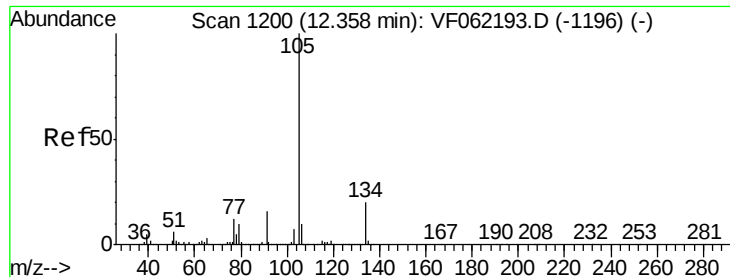
Tot Ion: 91 Resp: 7687
Ion Ratio Lower Upper
91 100
126 35.6 16.9 50.6



#84
1,2,4-Trimethylbenzene
Concen: 0.321 ug/l
RT: 12.26 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VF062199.D
Acq: 18 Apr 2019 11:42

Tgt Ion:105 Resp: 7845
Ion Ratio Lower Upper
105 100
120 47.2 24.0 72.0

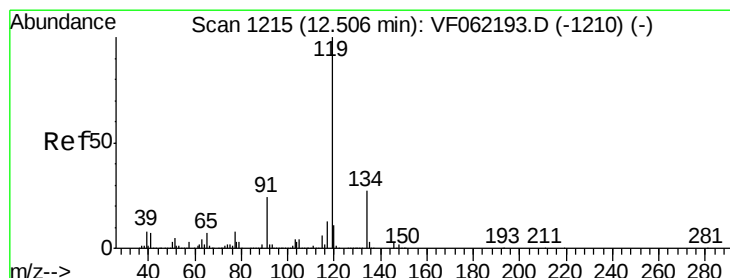
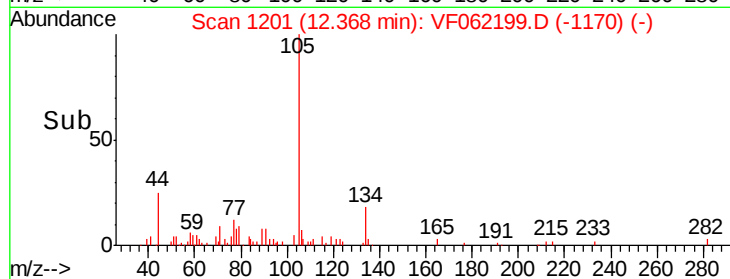
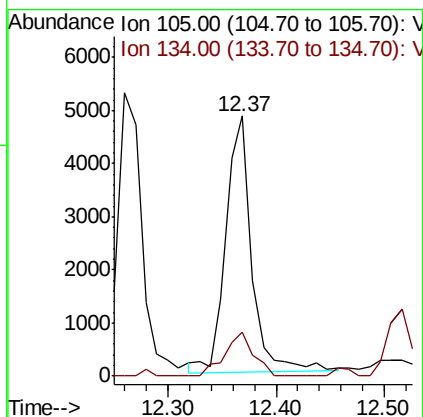
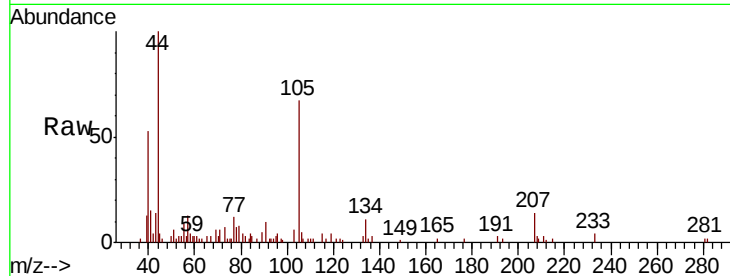




#85
 sec-Butylbenzene
 Concen: 0.235 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF062199.D
 Acq: 18 Apr 2019 11:42

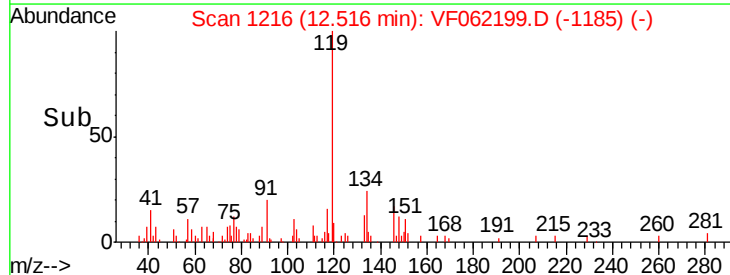
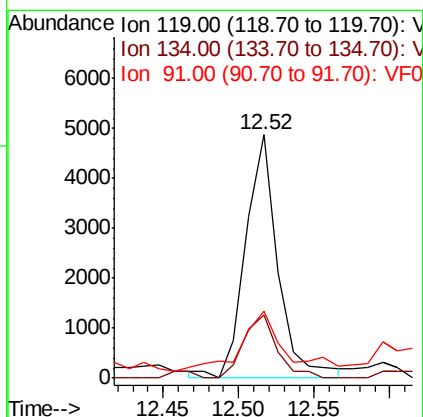
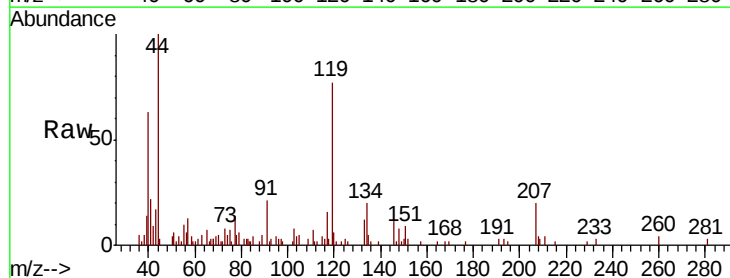
Instrument :
 MSVOA_F
 ClientSampleId :

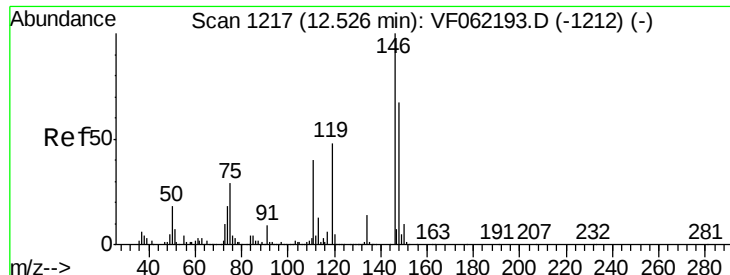
Tot Ion:105 Resp: 7988
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 0.252 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. 0.01 min
 Lab File: VF062199.D
 Acq: 18 Apr 2019 11:42

Tgt Ion:119 Resp: 7256
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.2 39.5
 91 31.4 11.7 35.1

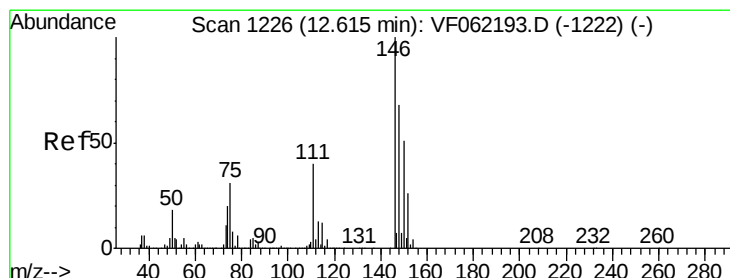
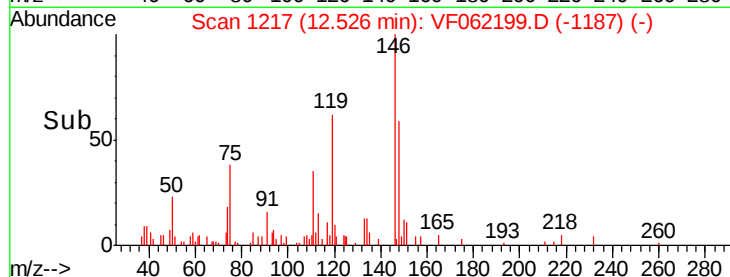
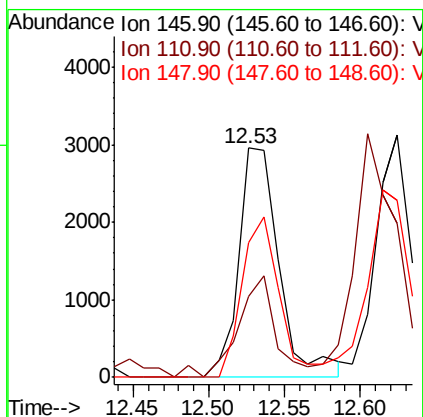
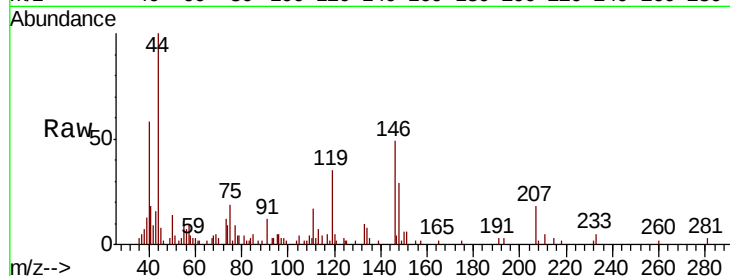




#87
 1,3-Dichlorobenzene
 Concen: 0.456 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VF062199.D
 Acq: 18 Apr 2019 11:42

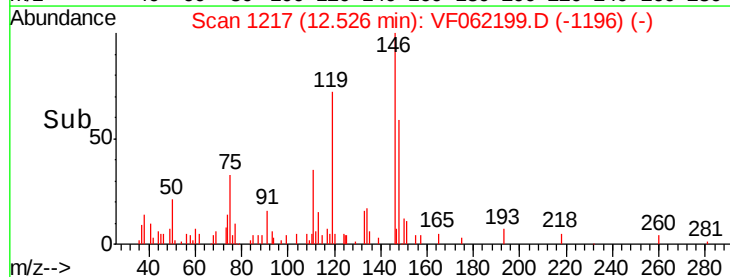
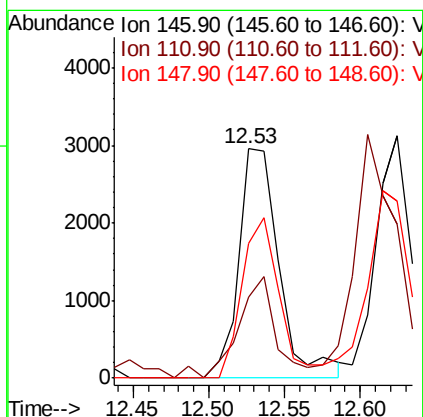
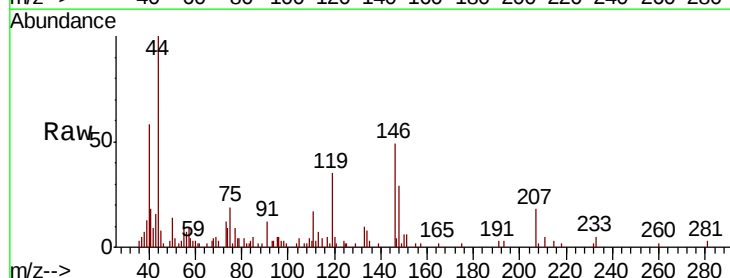
Instrument :
 MSVOA_F
 ClientSampleId :

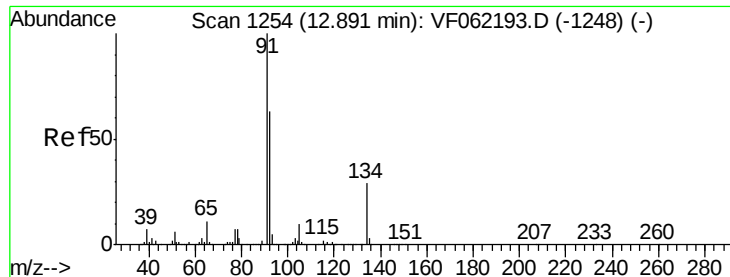
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	19.7	59.0
148	63.6	32.9	98.6



#88
 1,4-Dichlorobenzene
 Concen: 0.473 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.09 min
 Lab File: VF062199.D
 Acq: 18 Apr 2019 11:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.0	60.0
148	63.6	33.6	100.8





#89

n-Butylbenzene

Concen: Below Cal

RT: 12.89 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VF062199.D

Acq: 18 Apr 2019 11:42

Instrument :

MSVOA_F

ClientSampleId :

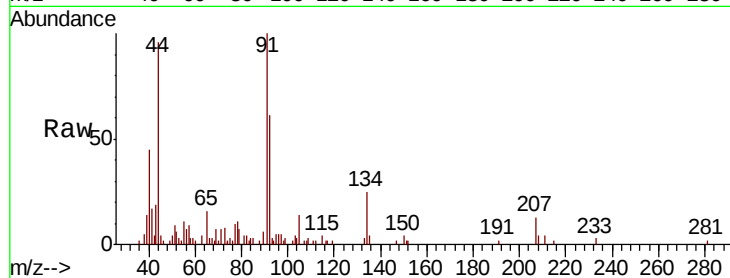
Tot Ion: 91 Resp: 9886

Ion Ratio Lower Upper

91 100

92 66.6 31.2 93.6

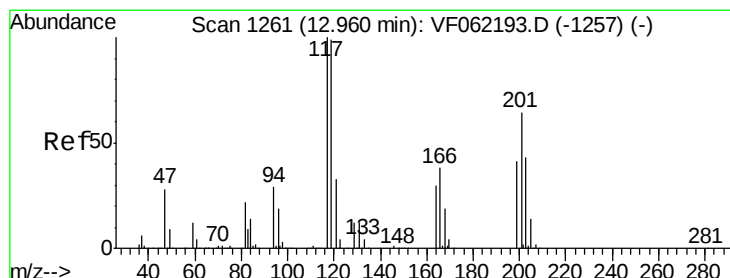
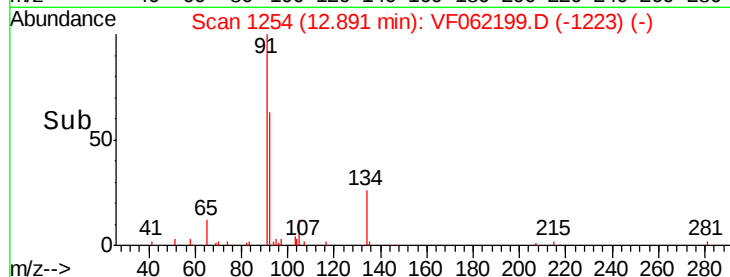
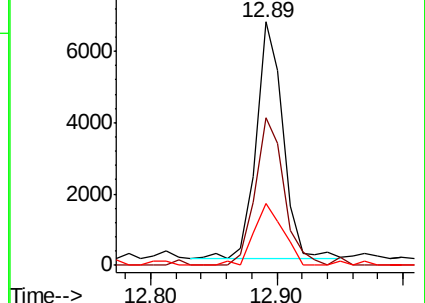
134 27.7 13.1 39.1



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: 0.233 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VF062199.D

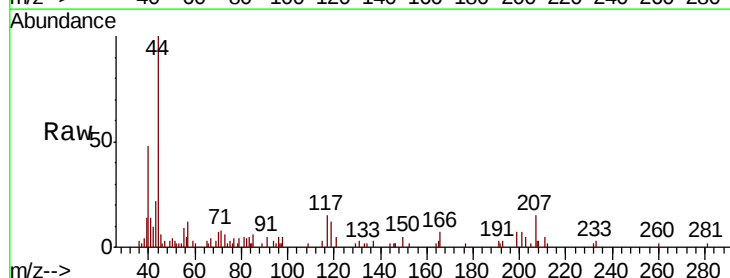
Acq: 18 Apr 2019 11:42

Tgt Ion: 117 Resp: 1722

Ion Ratio Lower Upper

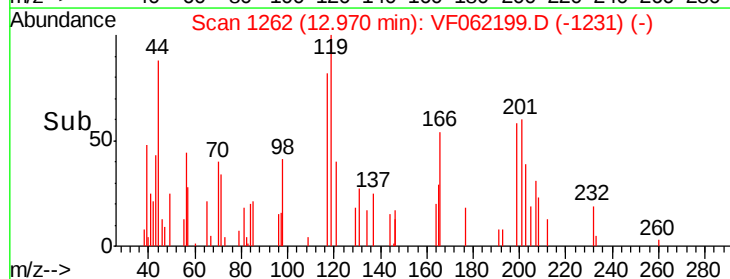
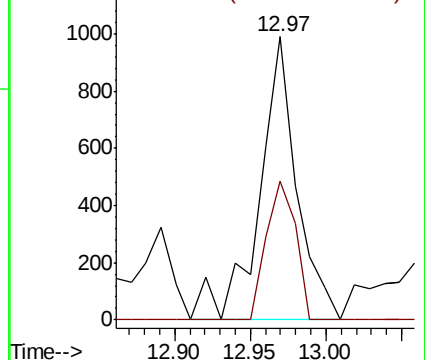
117 100

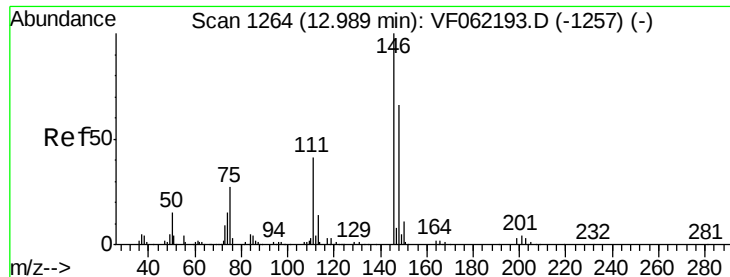
201 38.2 37.7 113.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

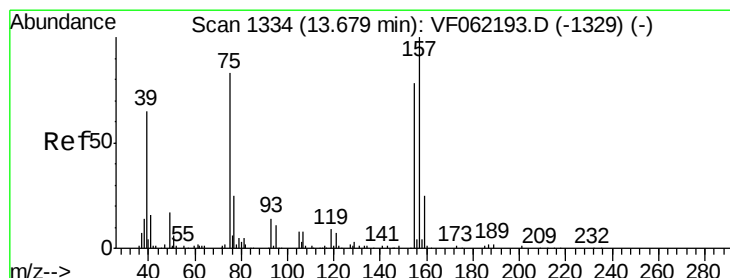
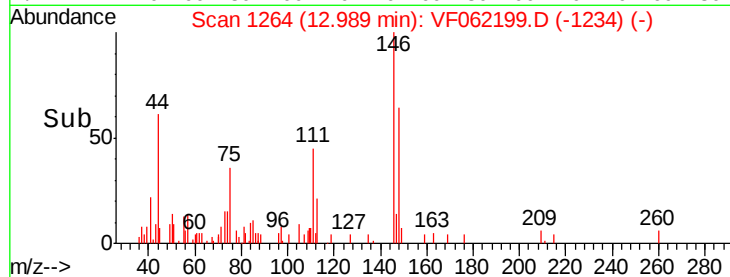
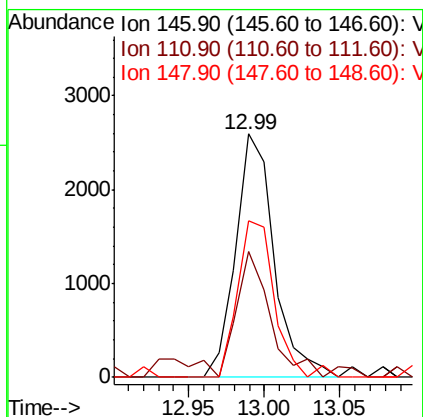
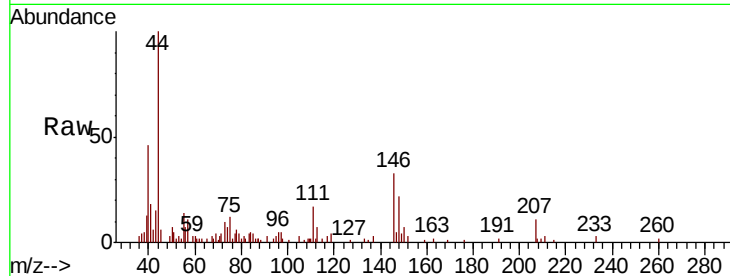




#91
 1,2-Dichlorobenzene
 Concen: 0.395 ug/l
 RT: 12.99 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VF062199.D
 Acq: 18 Apr 2019 11:42

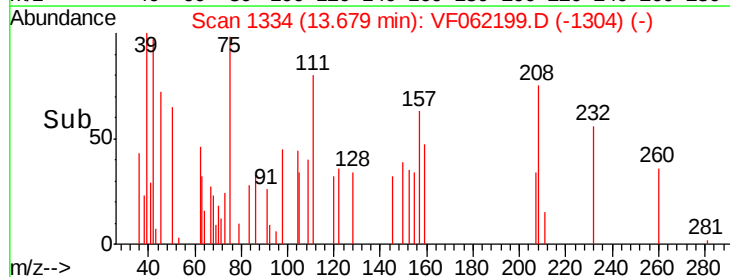
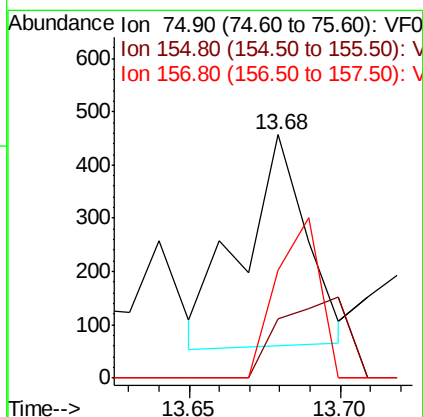
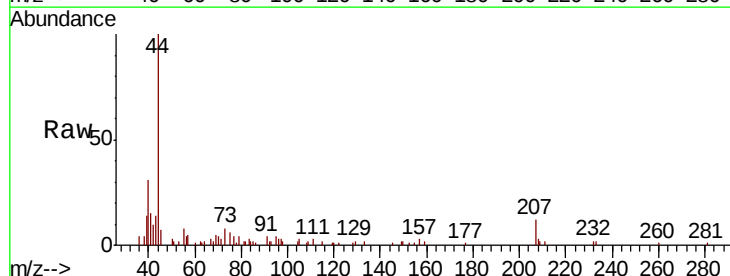
Instrument :
 MSVOA_F
 ClientSampleId :

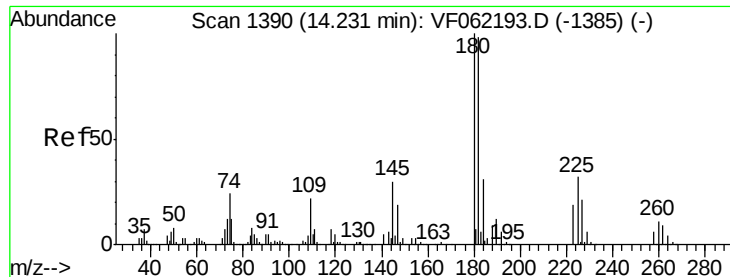
Tot Ion	Ratio	Lower	Upper
146	100		
111	47.2	20.8	62.5
148	61.5	33.0	99.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.561 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VF062199.D
 Acq: 18 Apr 2019 11:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	40.3	47.6	142.8#
157	51.6	61.3	183.9#

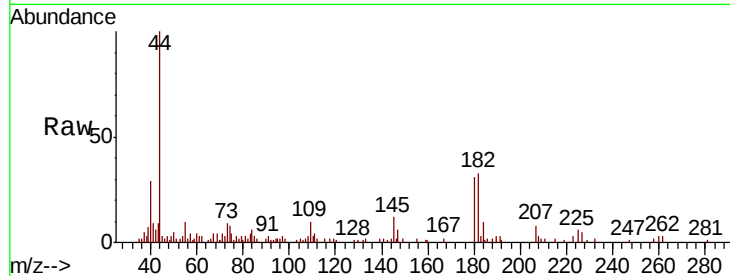




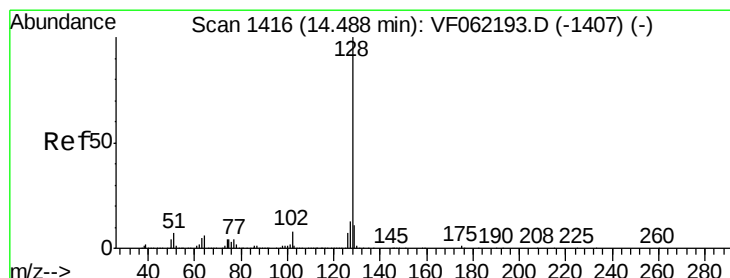
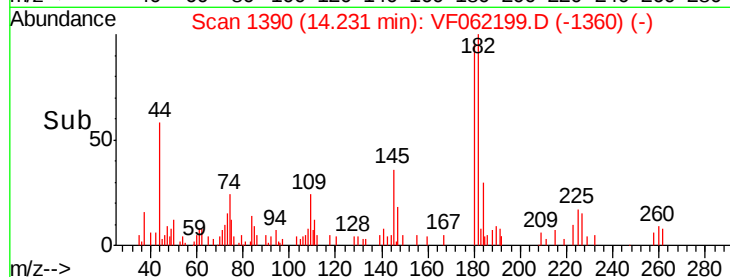
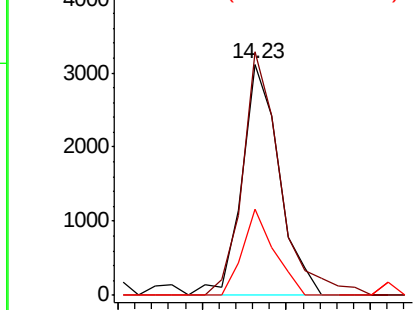
#93
 1,2,4-Trichlorobenzene
 Concen: 0.491 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062199.D
 Acq: 18 Apr 2019 11:42

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 4785
 Ion Ratio Lower Upper
 180 100
 182 105.7 49.3 147.9
 145 31.8 18.1 54.4

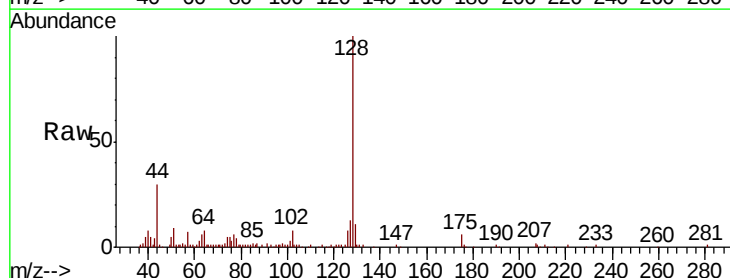


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

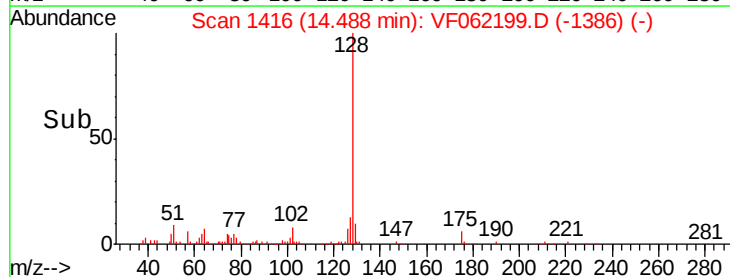
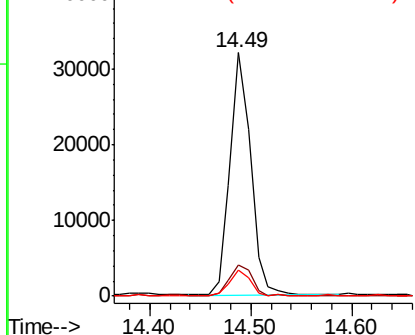


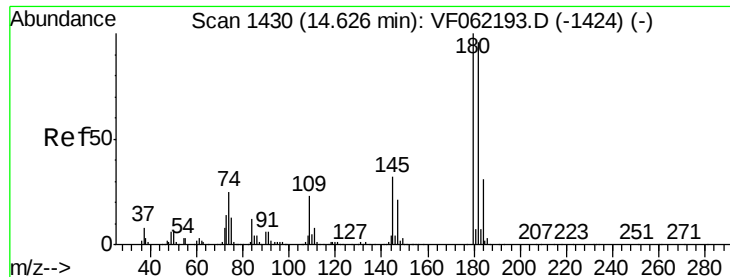
#95
 Naphthalene
 Concen: 2.711 ug/l
 RT: 14.49 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VF062199.D
 Acq: 18 Apr 2019 11:42

Tgt Ion:128 Resp: 46221
 Ion Ratio Lower Upper
 128 100
 127 14.3 10.4 15.6
 129 11.1 9.2 13.8



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





#96
 1,2,3-Trichlorobenzene
 Concen: 0.563 ug/l
 RT: 14.64 min Scan# 1431
 Delta R.T. 0.01 min
 Lab File: VF062199.D
 Acq: 18 Apr 2019 11:42

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.8	48.4	145.3
145	37.8	15.6	46.8

