

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF041919\
 Data File : VF062220.D
 Acq On : 19 Apr 2019 12:58
 Operator : FY/SY
 Sample : VF0419SBS01
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0419SBS01

Quant Time: Apr 19 13:22:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 03:56:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	456602	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.78	114	695950	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.91	117	530369	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	293634	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	224381	53.59	ug/l	0.03
Spiked Amount	50.000		Recovery	=	107.18%	
35) Dibromofluoromethane	4.32	113	306240	50.30	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.60%	
50) Toluene-d8	7.72	98	784189	50.89	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.78%	
62) 4-Bromofluorobenzene	11.50	95	314491	53.05	ug/l	0.02
Spiked Amount	50.000		Recovery	=	106.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	137580	19.827	ug/l	94
3) Chloromethane	1.15	50	129539	18.062	ug/l	99
4) Vinyl Chloride	1.20	62	115144	18.687	ug/l	99
5) Bromomethane	1.39	94	63155	17.643	ug/l	98
6) Chloroethane	1.45	64	43429	16.860	ug/l	97
7) Trichlorofluoromethane	1.56	101	149986	19.160	ug/l	97
8) Diethyl Ether	1.71	74	30732	18.863	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.91	101	108949	20.373	ug/l	99
10) Methyl Iodide	1.99	142	190640	20.067	ug/l	91
11) Tert butyl alcohol	2.72	59	28330	97.344	ug/l #	89
12) 1,1-Dichloroethene	1.87	96	96452	18.963	ug/l	93
13) Acrolein	2.11	56	17300	119.808	ug/l	94
14) Allyl chloride	2.21	41	104263	17.862	ug/l	93
15) Acrylonitrile	3.10	53	80280	90.568	ug/l	100
16) Acetone	2.36	43	95742	95.670	ug/l	99
17) Carbon Disulfide	1.92	76	264907	18.743	ug/l	98
18) Methyl Acetate	2.46	43	44018	16.509	ug/l	97
19) Methyl tert-butyl Ether	2.56	73	183745	20.461	ug/l	97
20) Methylene Chloride	2.34	84	83003	12.147	ug/l	92
21) trans-1,2-Dichloroethene	2.43	96	94232	18.734	ug/l	94
22) Diisopropyl ether	2.94	45	272045	18.219	ug/l	98
23) Vinyl Acetate	3.36	43	712400	100.138	ug/l	99
24) 1,1-Dichloroethane	3.01	63	158318	19.382	ug/l	99
25) 2-Butanone	4.54	43	182400	91.152	ug/l	98
26) 2,2-Dichloropropane	3.78	77	83555	20.261	ug/l	95
27) cis-1,2-Dichloroethene	3.65	96	125202	19.221	ug/l	97
28) Bromochloromethane	3.91	49	75155	19.208	ug/l #	97
29) Tetrahydrofuran	4.29	42	81916	90.440	ug/l	96
30) Chloroform	4.06	83	194081	19.334	ug/l	99
31) Cyclohexane	3.88	56	165558	16.913	ug/l	94
32) 1,1,1-Trichloroethane	4.30	97	151711	20.647	ug/l #	88
36) 1,1-Dichloropropene	4.48	75	144104	17.270	ug/l	99
37) Ethyl Acetate	4.32	43	65243	16.570	ug/l #	99
38) Carbon Tetrachloride	4.20	117	172809	23.398	ug/l	92

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	184827	18.500	ug/l	98
40) Benzene	4.83	78	390321	17.834	ug/l	99
41) Methacrylonitrile	4.95	41	40754	17.944	ug/l	96
42) 1,2-Dichloroethane	5.14	62	113325	19.586	ug/l	99
43) Isopropyl Acetate	7.12	43	72167	17.427	ug/l	99
44) Trichloroethene	5.70	130	118557	20.047	ug/l	96
45) 1,2-Dichloropropane	6.41	63	90752	18.825	ug/l	95
46) Dibromomethane	6.27	93	61983	19.325	ug/l	95
47) Bromodichloromethane	6.56	83	135647	18.741	ug/l	97
48) Methyl methacrylate	6.89	41	48539	17.835	ug/l	95
49) 1,4-Dioxane	6.89	88	11358	363.903	ug/l	93
51) 4-Methyl-2-Pentanone	8.42	43	285264	92.614	ug/l	99
52) Toluene	7.78	92	217375	18.842	ug/l	94
53) t-1,3-Dichloropropene	8.44	75	109739	20.186	ug/l	97
54) cis-1,3-Dichloropropene	7.47	75	141698	19.269	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	65172	20.165	ug/l	95
56) Ethyl methacrylate	8.76	69	68336	18.597	ug/l	98
57) 1,3-Dichloropropane	9.01	76	103683	19.867	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.46	63	110365	103.451	ug/l	99
59) 2-Hexanone	9.63	43	194050	101.109	ug/l	97
60) Dibromochloromethane	8.87	129	97966	20.382	ug/l	96
61) 1,2-Dibromoethane	9.15	107	73557	20.202	ug/l	97
64) Tetrachloroethene	8.32	164	96624	20.182	ug/l	96
65) Chlorobenzene	9.94	112	230391	20.372	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	106224	20.058	ug/l	100
67) Ethyl Benzene	10.04	91	417125	20.284	ug/l	99
68) m/p-Xylenes	10.27	106	306657	40.509	ug/l	98
69) o-Xylene	10.82	106	167269	19.901	ug/l	98
70) Styrene	10.90	104	247816	20.893	ug/l	97
71) Bromoform	10.89	173	60041	21.473	ug/l #	98
73) Isopropylbenzene	11.23	105	497772	19.735	ug/l	98
74) N-amyl acetate	11.45	43	119516	18.590	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	87668	20.210	ug/l	98
76) 1,2,3-Trichloropropane	11.94	75	35929	12.039	ug/l	86
77) Bromobenzene	11.59	156	112029	20.733	ug/l	93
78) n-propylbenzene	11.68	91	528185	19.850	ug/l	100
79) 2-Chlorotoluene	11.81	91	325287	20.153	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	420240	20.004	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.94	75	35929	23.606	ug/l #	85
82) 4-Chlorotoluene	11.97	91	311766	19.987	ug/l	98
83) tert-Butylbenzene	12.20	119	430647	19.823	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	393319	19.347	ug/l	99
85) sec-Butylbenzene	12.38	105	542360	19.229	ug/l	99
86) p-Isopropyltoluene	12.53	119	489529	20.461	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	209509	20.895	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	194665	20.128	ug/l	99
89) n-Butylbenzene	12.90	91	460236	20.308	ug/l	98
90) Hexachloroethane	12.98	117	118587	19.302	ug/l	97
91) 1,2-Dichlorobenzene	13.00	146	198971	20.551	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	16629	19.512	ug/l	93

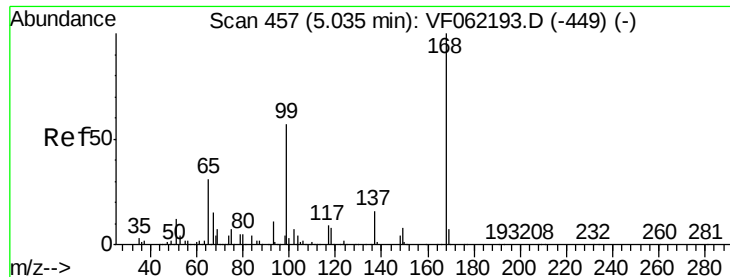
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF041919\
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Quant Title : SW846 8260
QLast Update : Fri Apr 19 03:56:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	174460	21.536	ug/l	97
94) Hexachlorobutadiene	14.23	225	119120	21.445	ug/l	98
95) Naphthalene	14.50	128	279053	19.701	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	167550	21.544	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.03 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Instrument :

MSVOA_F

ClientSampleId :

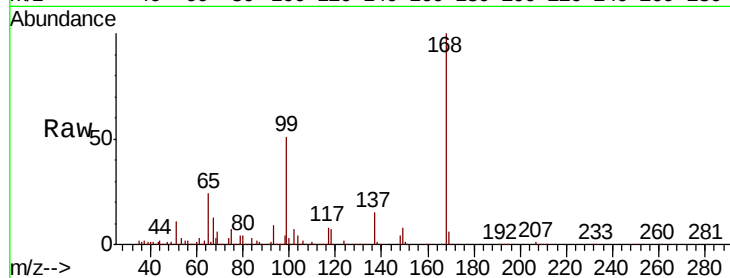
VF0419SBS01

Tgt Ion:168 Resp: 456602

Ion Ratio Lower Upper

168 100

99 50.9 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

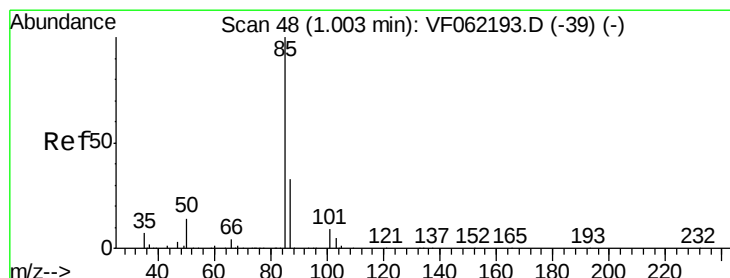
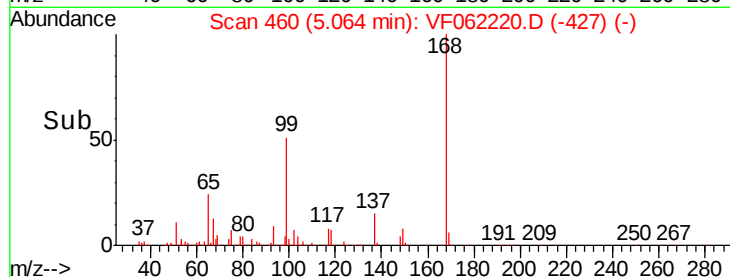
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.827 ug/l

RT: 1.01 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062220.D

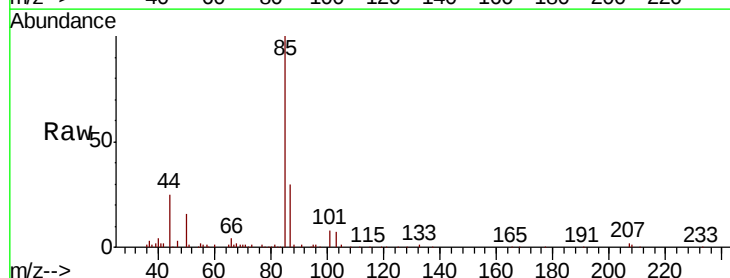
Acq: 19 Apr 2019 12:58

Tgt Ion: 85 Resp: 137580

Ion Ratio Lower Upper

85 100

87 29.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.01

40000

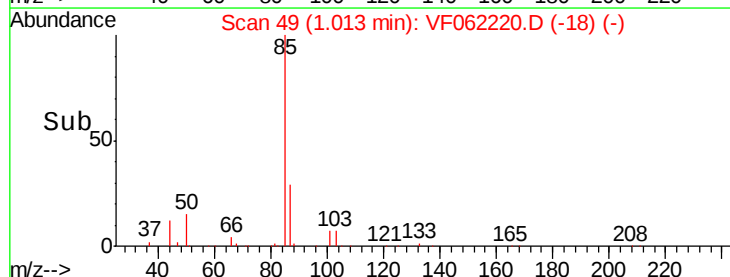
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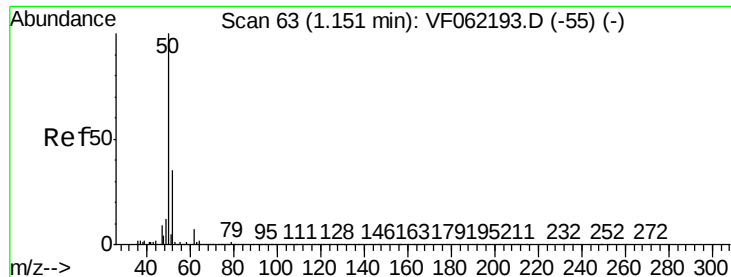
20000

10000

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Time-->





#3

Chloromethane

Concen: 18.062 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Instrument :

MSVOA_F

ClientSampleId :

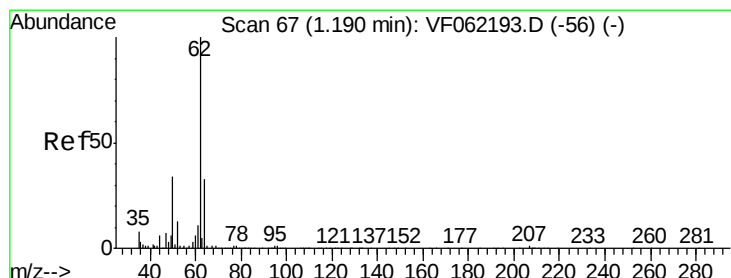
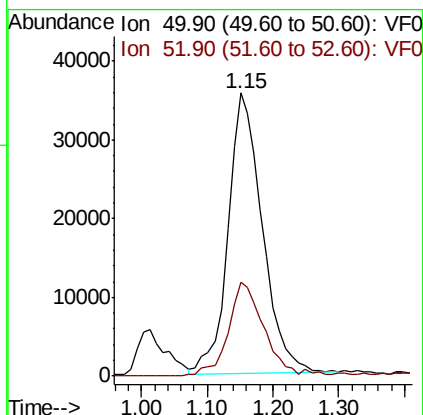
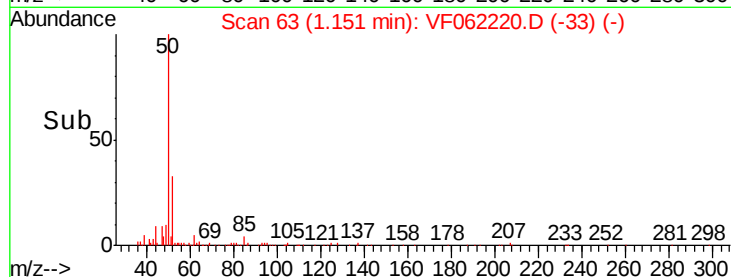
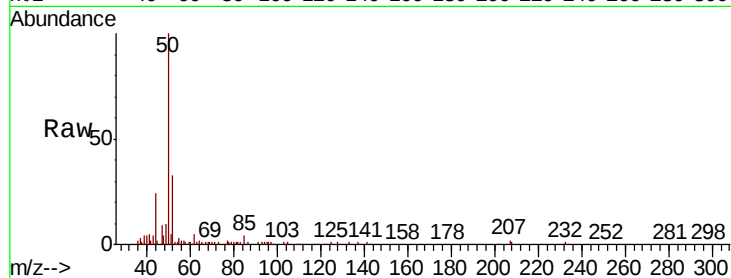
VF0419SBS01

Tgt Ion: 50 Resp: 129539

Ion Ratio Lower Upper

50 100

52 33.1 27.0 40.4



#4

Vinyl Chloride

Concen: 18.687 ug/l

RT: 1.20 min Scan# 68

Delta R.T. 0.01 min

Lab File: VF062220.D

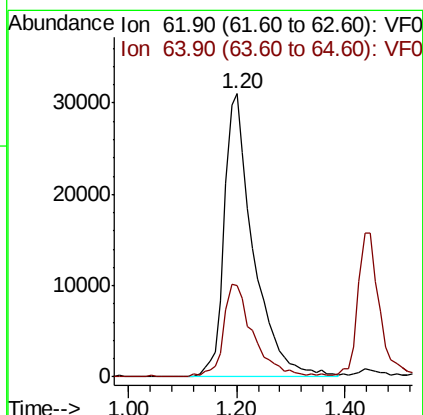
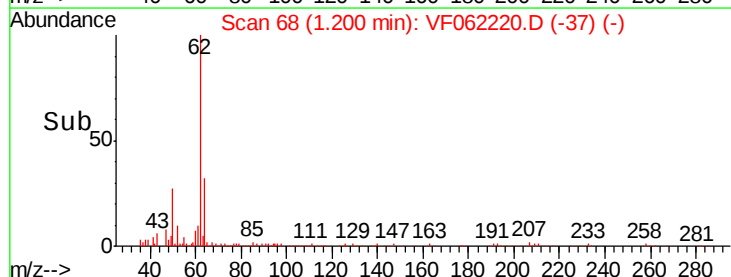
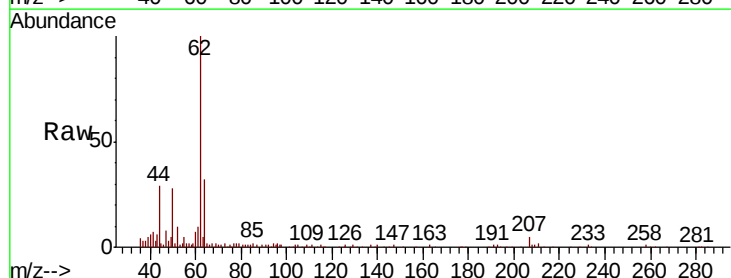
Acq: 19 Apr 2019 12:58

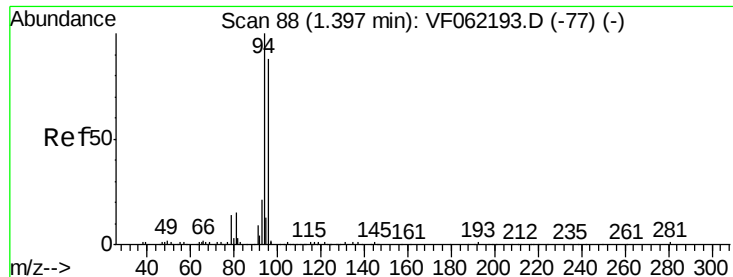
Tgt Ion: 62 Resp: 115144

Ion Ratio Lower Upper

62 100

64 32.2 26.2 39.4





#5

Bromomethane

Concen: 17.643 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Instrument :

MSVOA_F

ClientSampleId :

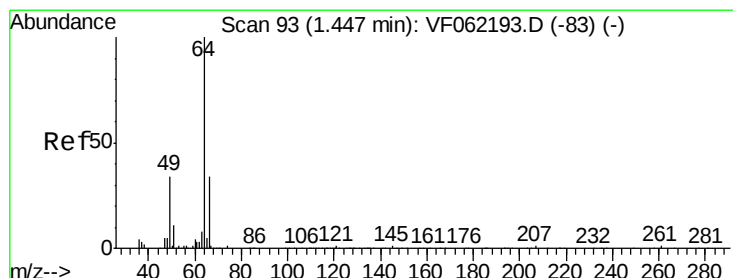
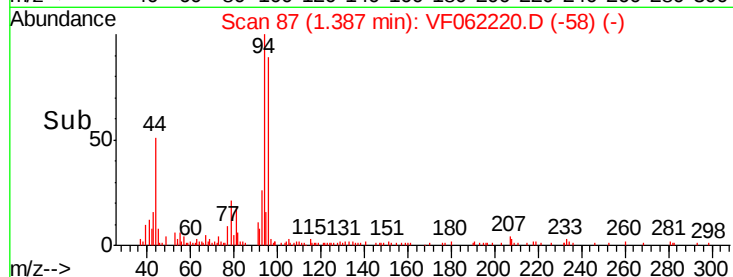
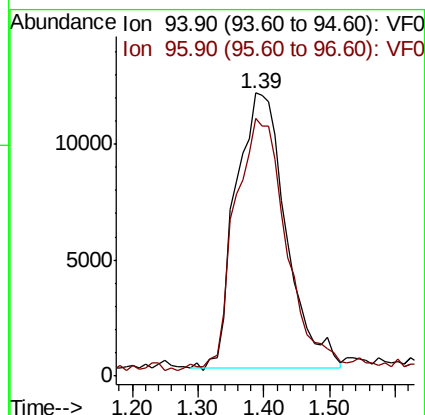
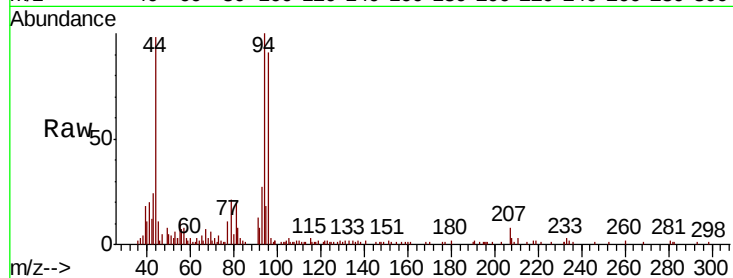
VF0419SBS01

Tgt Ion: 94 Resp: 63155

Ion Ratio Lower Upper

94 100

96 89.4 70.2 105.4



#6

Chloroethane

Concen: 16.860 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062220.D

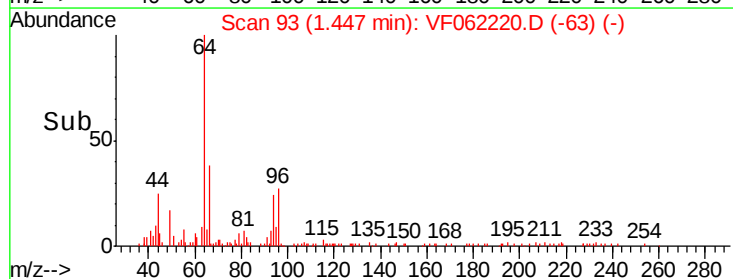
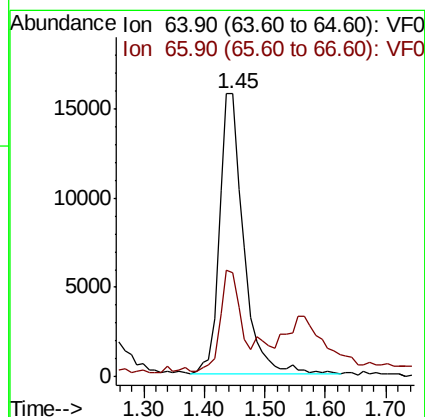
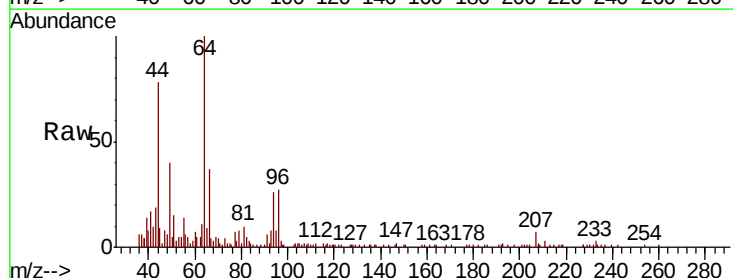
Acq: 19 Apr 2019 12:58

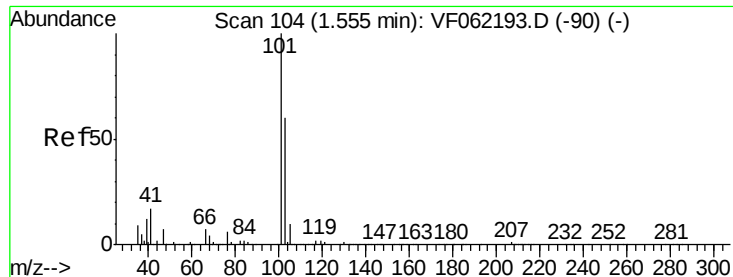
Tgt Ion: 64 Resp: 43429

Ion Ratio Lower Upper

64 100

66 35.2 27.0 40.4



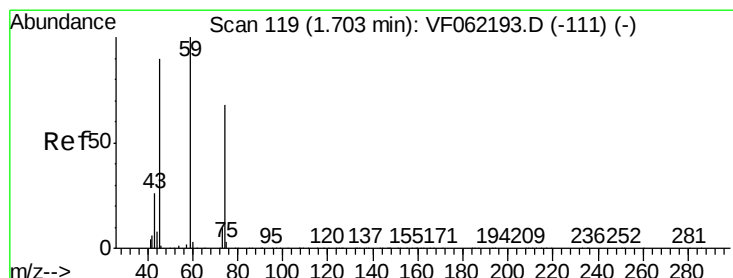
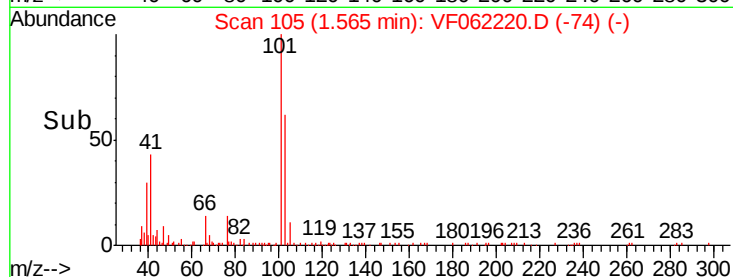
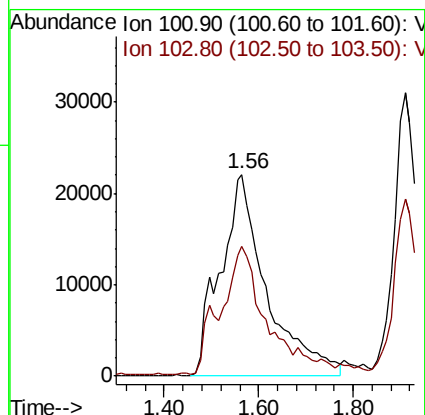
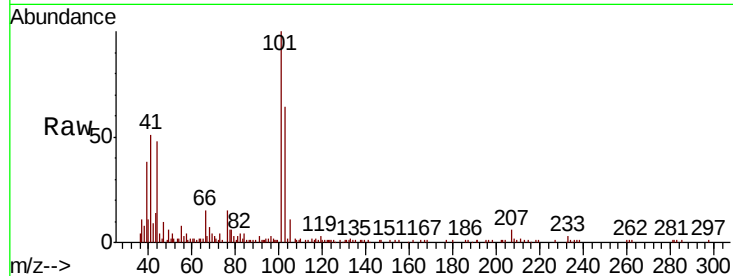


#7

Trichlorofluoromethane
 Concen: 19.160 ug/l
 RT: 1.56 min Scan# 105
 Delta R.T. 0.01 min
 Lab File: VF062220.D
 Acq: 19 Apr 2019 12:58

Instrument :
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 ClientSampleId :
 VF0419SBS01

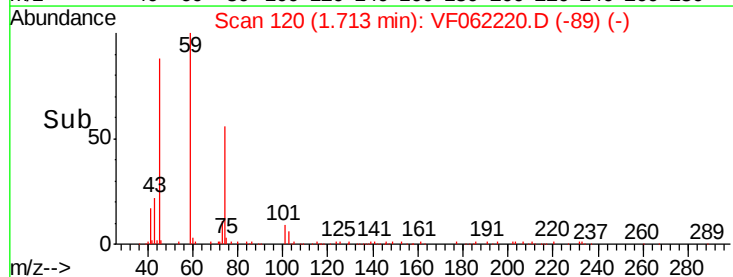
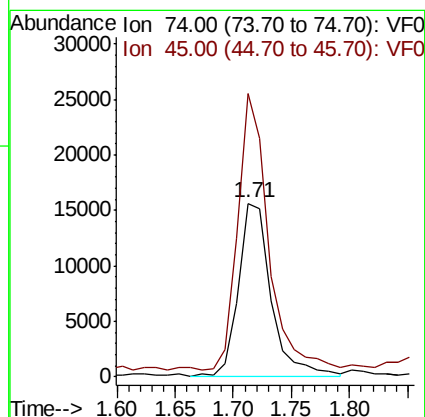
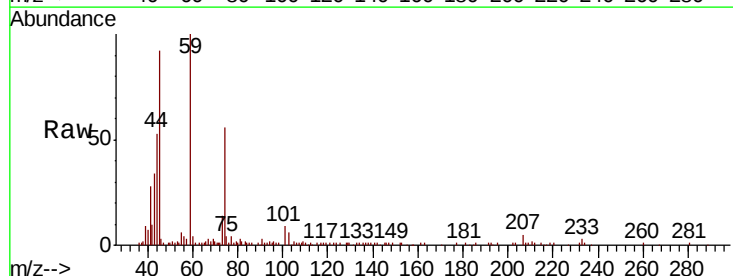
Tgt Ion:101 Resp: 149986
 Ion Ratio Lower Upper
 101 100
 103 62.9 48.2 72.4

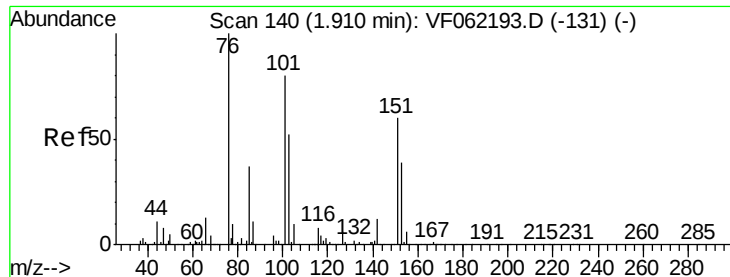


#8

Diethyl Ether
 Concen: 18.863 ug/l
 RT: 1.71 min Scan# 120
 Delta R.T. 0.01 min
 Lab File: VF062220.D
 Acq: 19 Apr 2019 12:58

Tgt Ion: 74 Resp: 30732
 Ion Ratio Lower Upper
 74 100
 45 151.1 70.0 210.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.373 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Instrument :

MSVOA_F

ClientSampleId :

VF0419SBS01

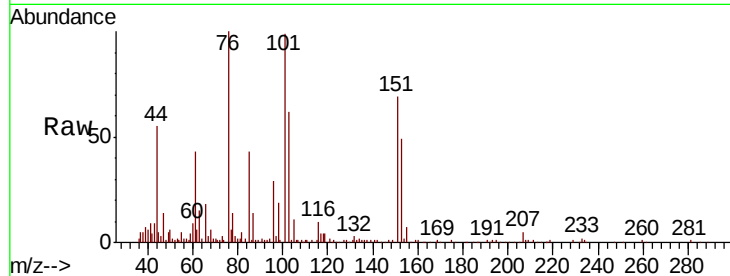
Tgt Ion:101 Resp: 108949

Ion Ratio Lower Upper

101 100

85 43.3 35.3 52.9

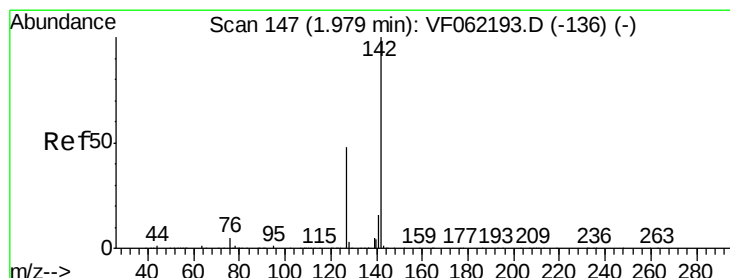
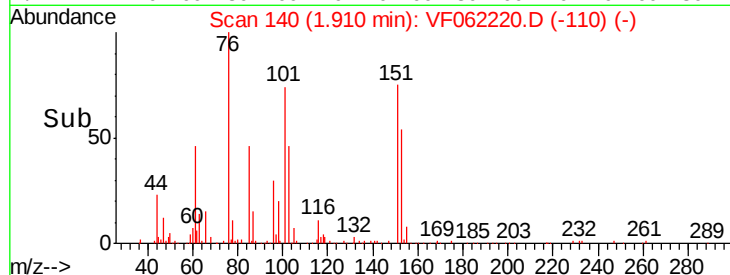
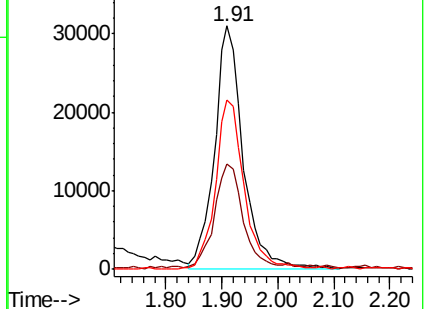
151 71.2 57.5 86.3



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: 20.067 ug/l

RT: 1.99 min Scan# 148

Delta R.T. 0.01 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

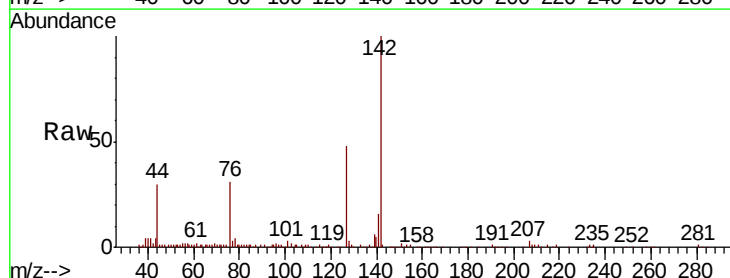
Tgt Ion:142 Resp: 190640

Ion Ratio Lower Upper

142 100

127 49.0 33.0 49.4

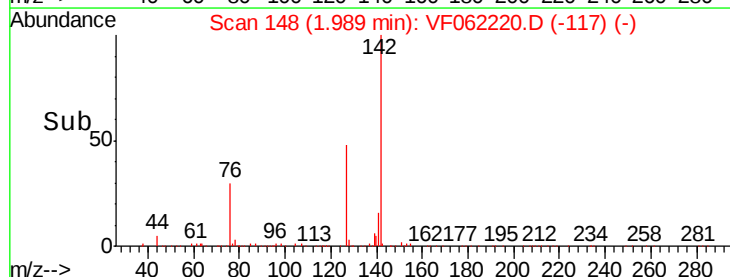
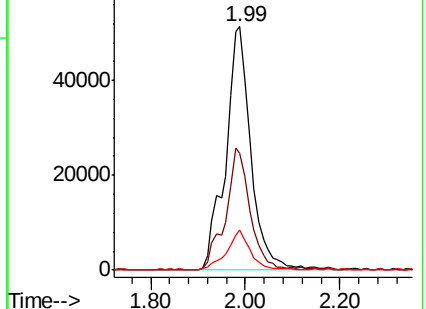
141 15.2 12.7 19.1

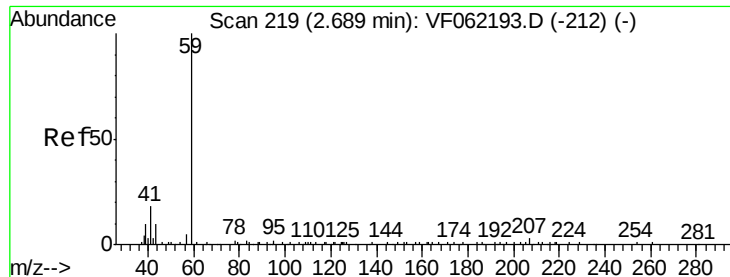


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

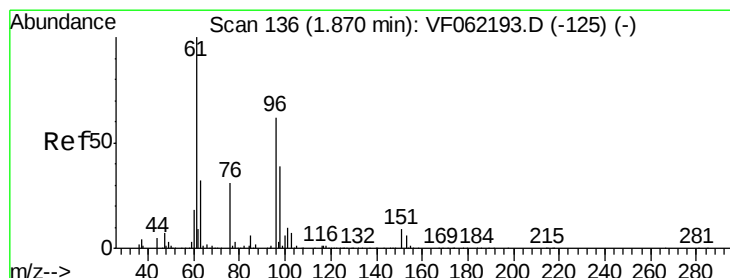
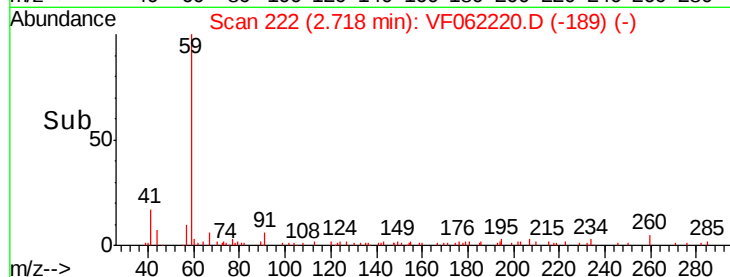
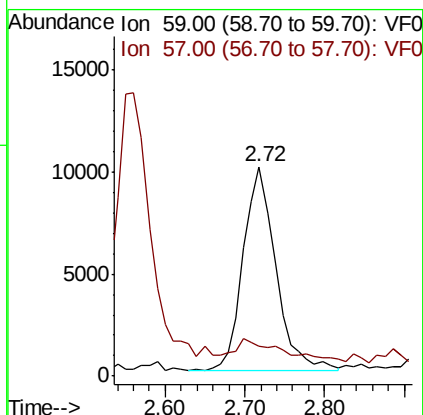
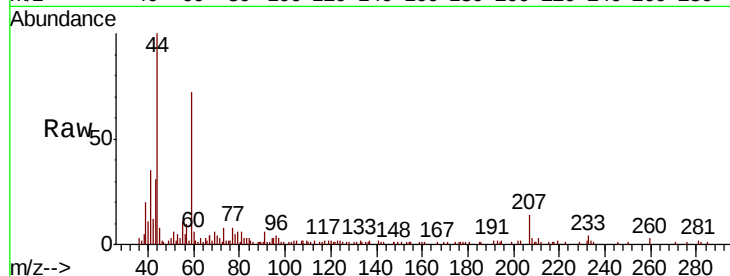




#11
Tert butyl alcohol
Concen: 97.344 ug/l
RT: 2.72 min Scan# 222
Delta R.T. 0.03 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

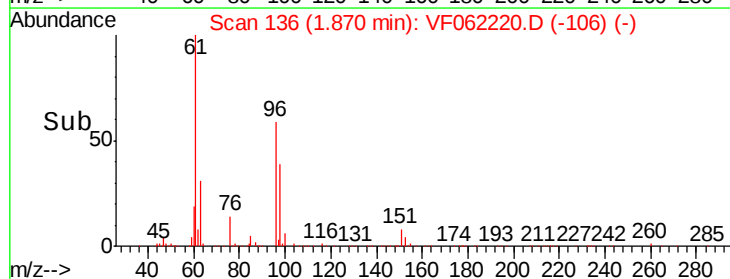
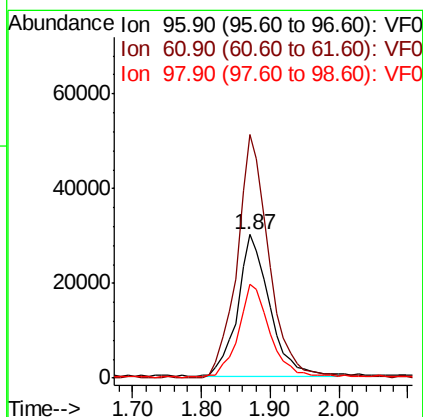
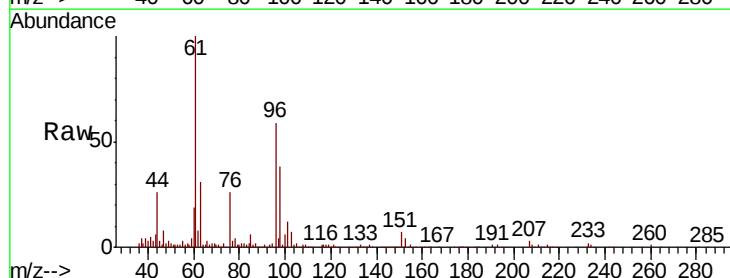
Instrument :
MSVOA_F
ClientSampleId :
VF0419SBS01

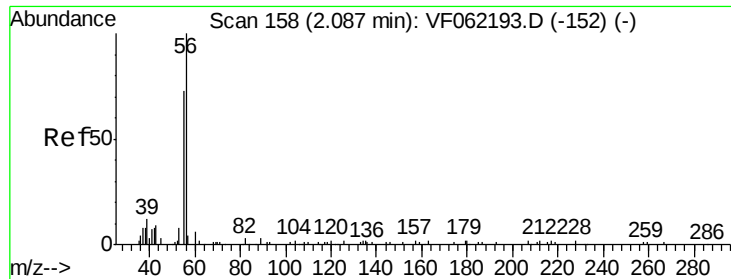
Tgt Ion: 59 Resp: 28330
Ion Ratio Lower Upper
59 100
57 15.7 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 18.963 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

Tgt Ion: 96 Resp: 96452
Ion Ratio Lower Upper
96 100
61 172.0 129.1 193.7
98 65.0 50.0 75.0

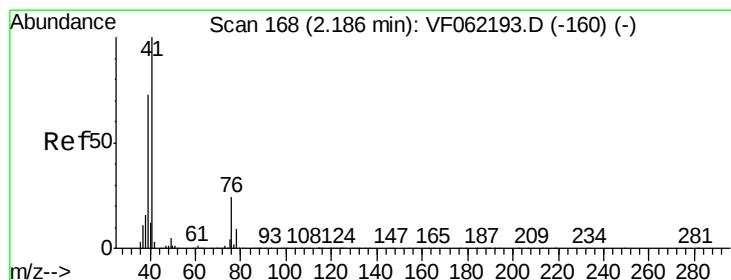
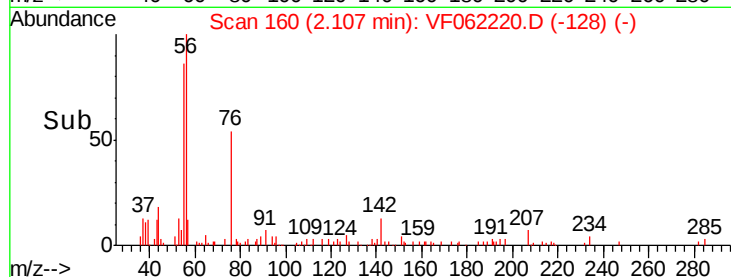
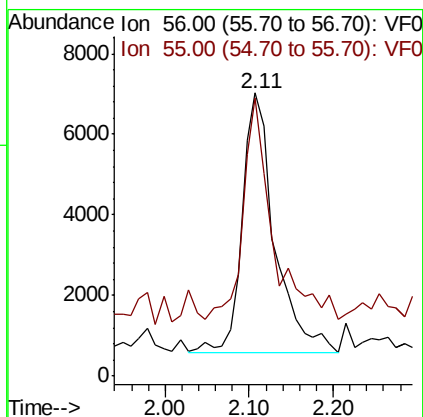
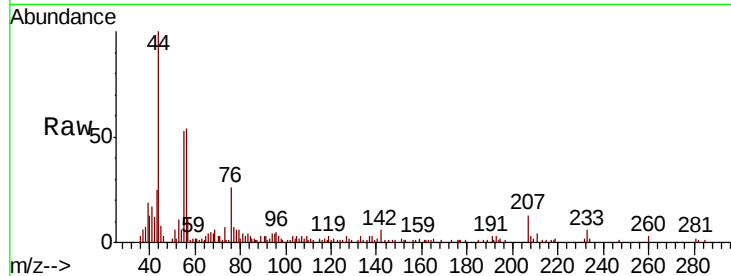




#13
Acrolein
Concen: 119.808 ug/l
RT: 2.11 min Scan# 160
Delta R.T. 0.02 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

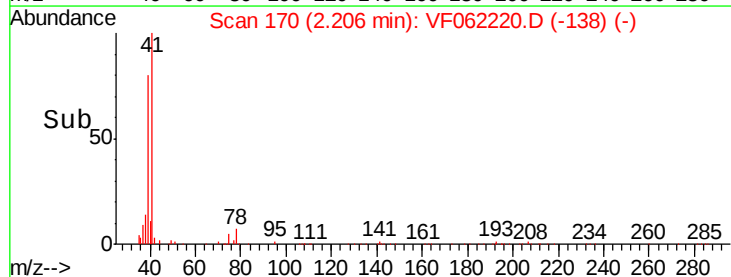
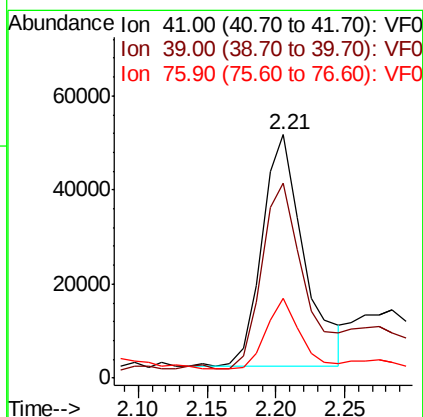
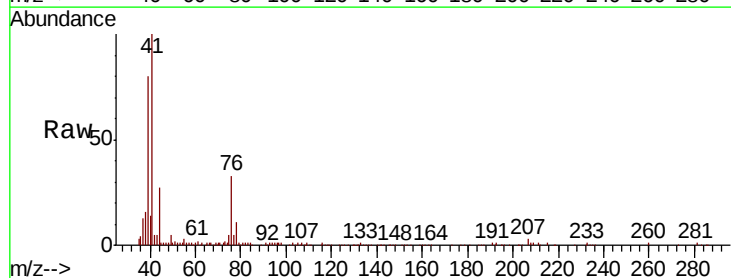
Instrument :
MSVOA_F
ClientSampleId :
VF0419SBS01

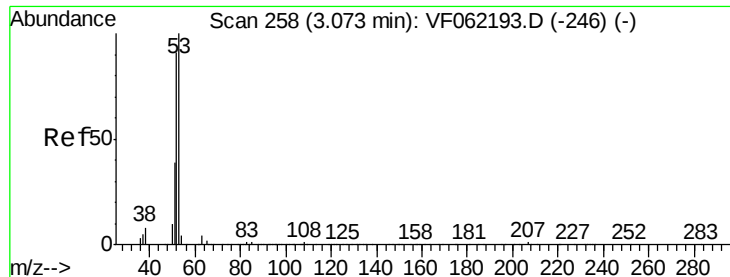
Tgt Ion: 56 Resp: 17300
Ion Ratio Lower Upper
56 100
55 76.8 57.4 86.0



#14
Allyl chloride
Concen: 17.862 ug/l
RT: 2.21 min Scan# 170
Delta R.T. 0.02 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

Tgt Ion: 41 Resp: 104263
Ion Ratio Lower Upper
41 100
39 82.4 60.0 90.0
76 25.0 20.6 30.8





#15

Acrylonitrile

Concen: 90.568 ug/l

RT: 3.10 min Scan# 261

Delta R.T. 0.03 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Instrument :

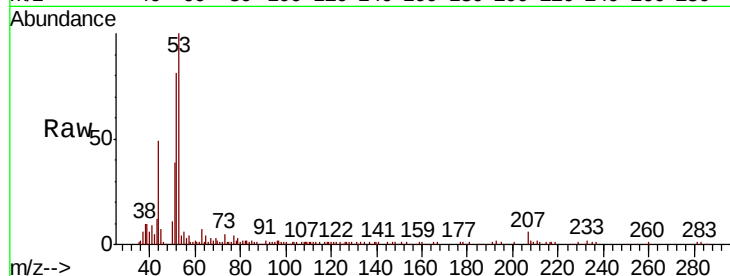
MSVOA_F

ClientSampleId :

VF0419SBS01

Tgt Ion: 53 Resp: 80280

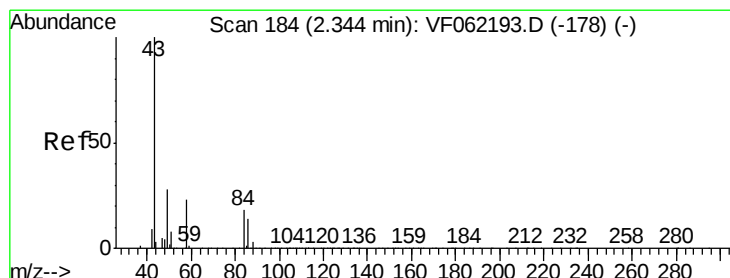
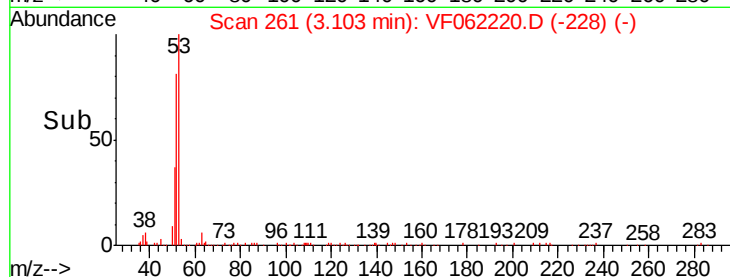
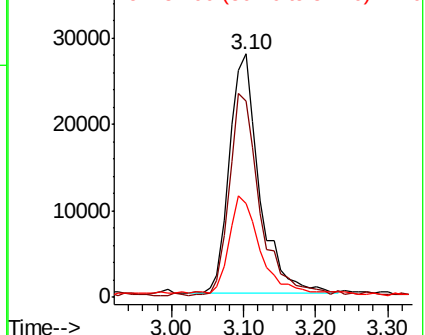
Ion	Ratio	Lower	Upper
53	100		
52	86.4	69.5	104.3
51	39.5	31.8	47.8



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: 95.670 ug/l

RT: 2.36 min Scan# 186

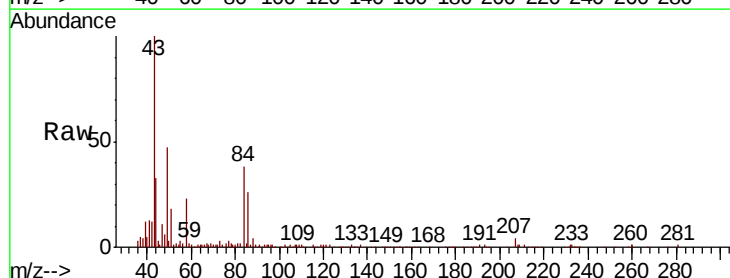
Delta R.T. 0.02 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

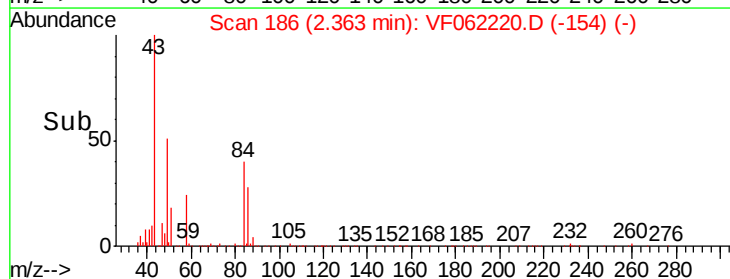
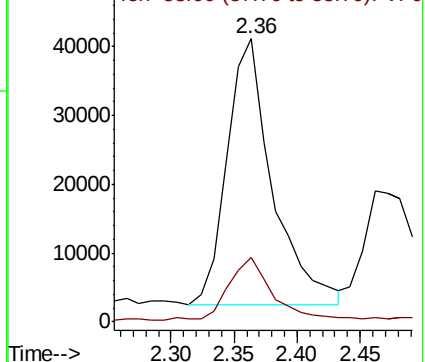
Tgt Ion: 43 Resp: 95742

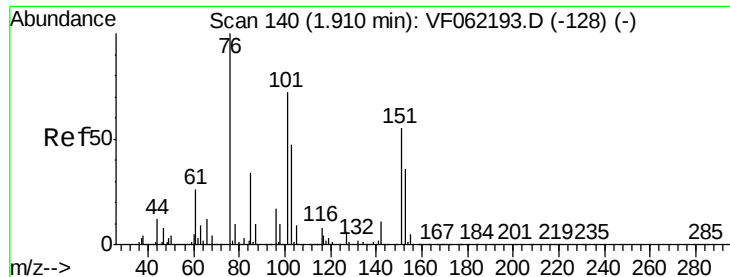
Ion	Ratio	Lower	Upper
43	100		
58	23.2	18.8	28.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 18.743 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Instrument :

MSVOA_F

ClientSampleId :

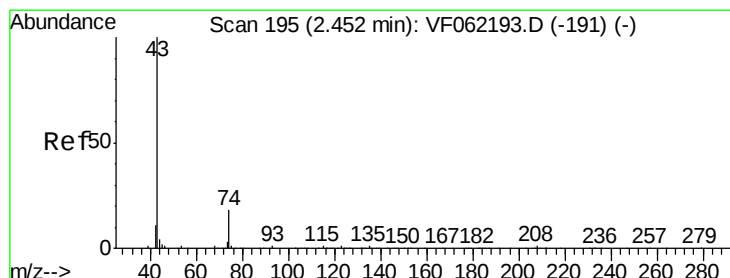
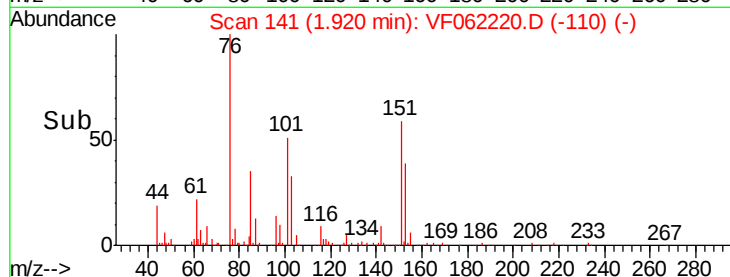
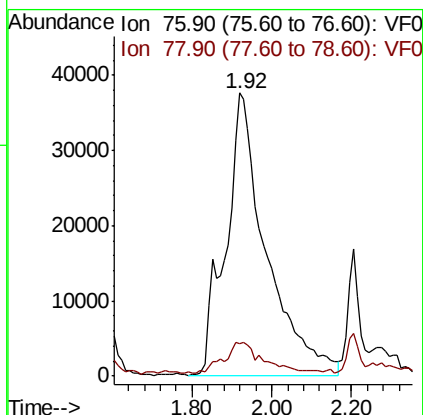
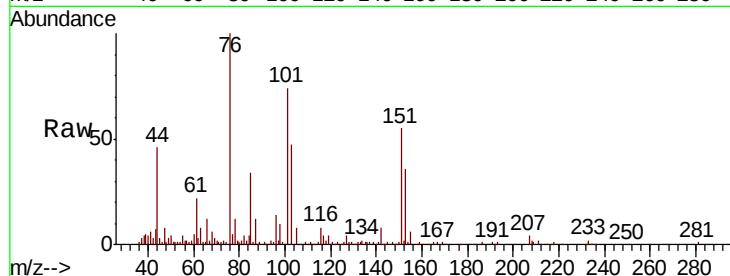
VF0419SBS01

Tgt Ion: 76 Resp: 264907

Ion Ratio Lower Upper

76 100

78 10.2 8.7 13.1



#18

Methyl Acetate

Concen: 16.509 ug/l

RT: 2.46 min Scan# 196

Delta R.T. 0.01 min

Lab File: VF062220.D

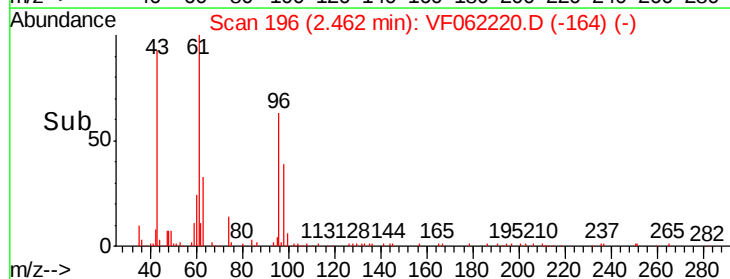
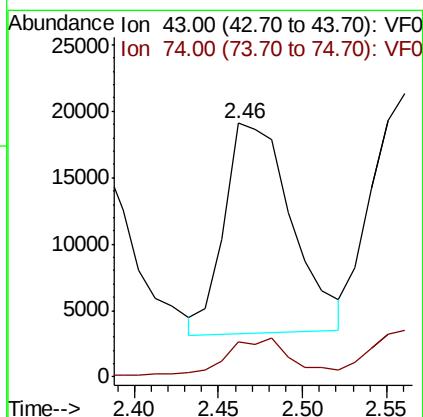
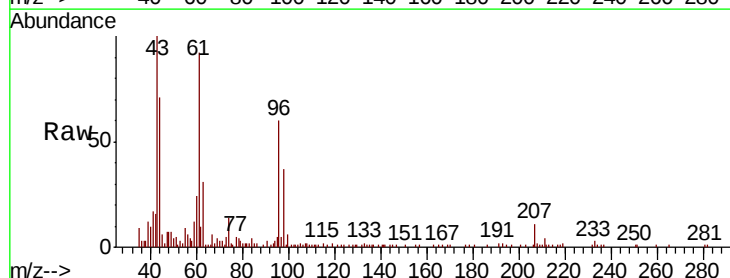
Acq: 19 Apr 2019 12:58

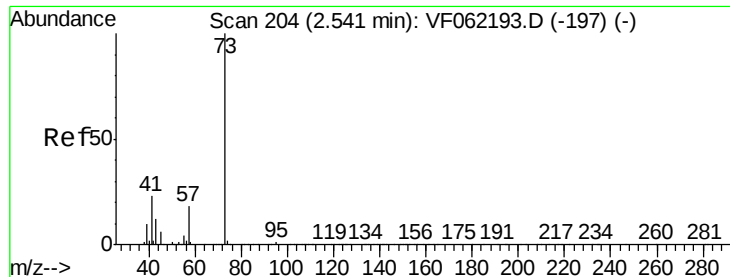
Tgt Ion: 43 Resp: 44018

Ion Ratio Lower Upper

43 100

74 16.9 14.5 21.7



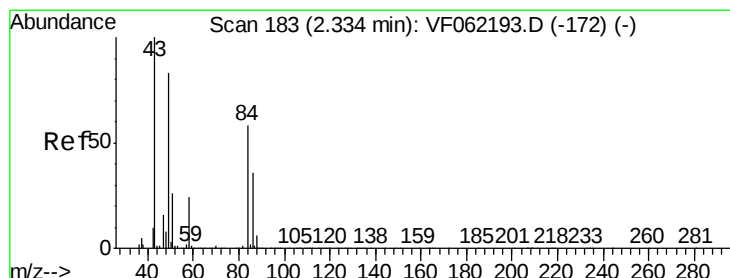
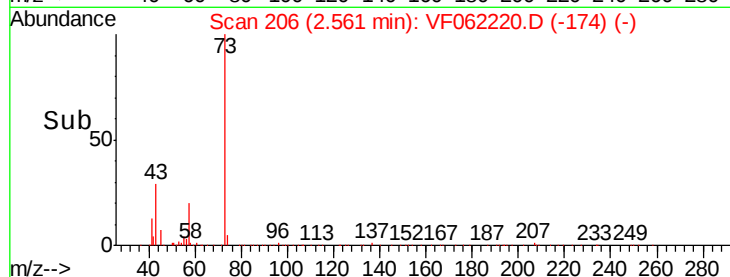
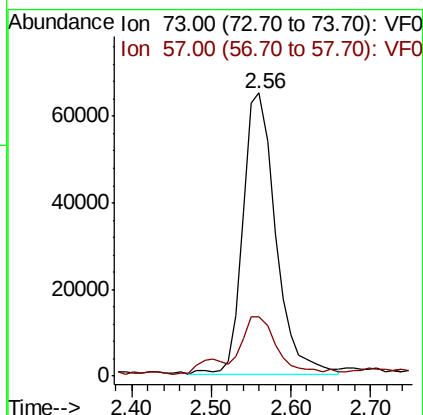
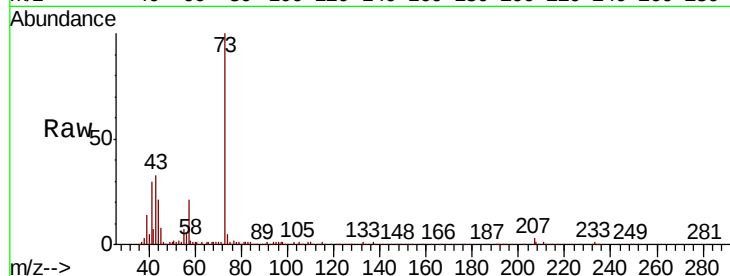


#19

Methyl tert-butyl Ether
Concen: 20.461 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.02 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

Instrument :
MSVOA_F
ClientSampleId :
VF0419SBS01

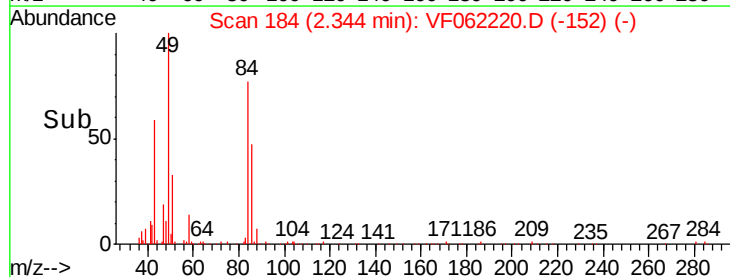
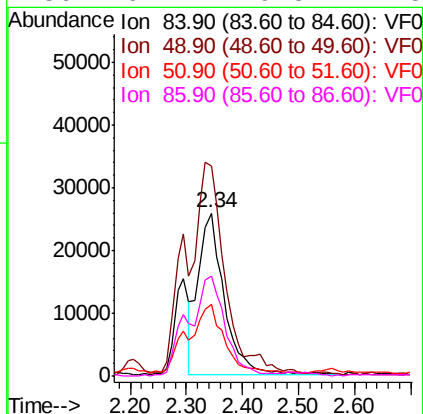
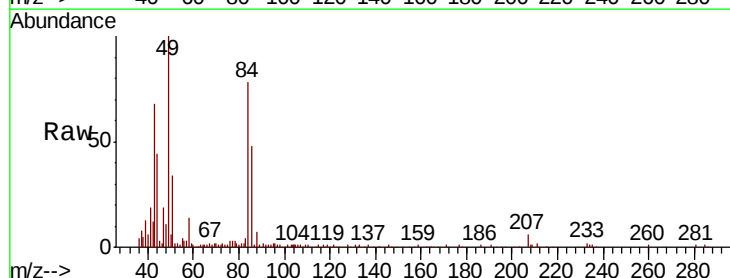
Tgt Ion: 73 Resp: 183745
Ion Ratio Lower Upper
73 100
57 20.1 15.1 22.7

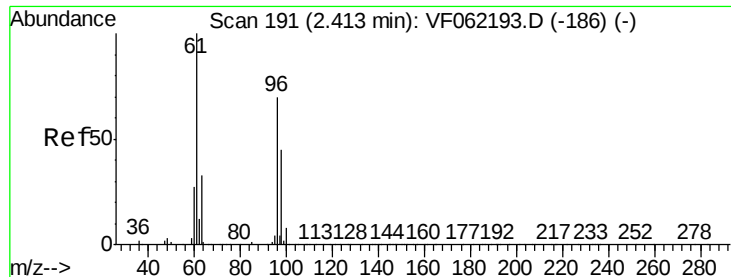


#20

Methylene Chloride
Concen: 12.147 ug/l
RT: 2.34 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

Tgt Ion: 84 Resp: 83003
Ion Ratio Lower Upper
84 100
49 128.8 114.0 171.0
51 42.0 37.0 55.4
86 61.4 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.734 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.02 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Instrument :

MSVOA_F

ClientSampleId :

VF0419SBS01

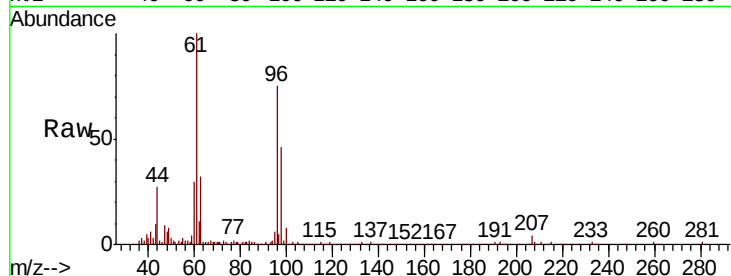
Tgt Ion: 96 Resp: 94232

Ion Ratio Lower Upper

96 100

61 134.7 114.6 172.0

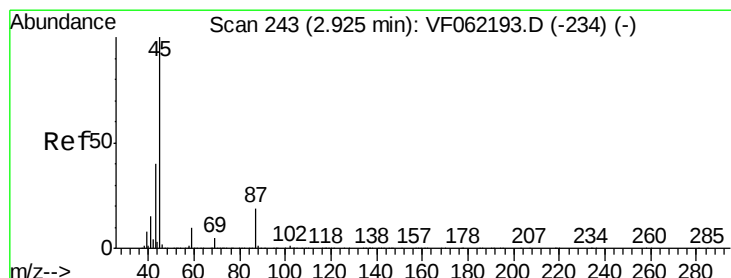
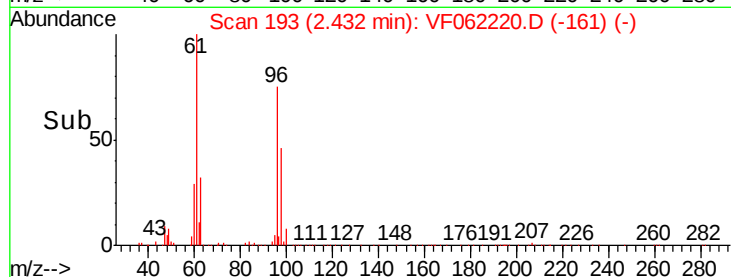
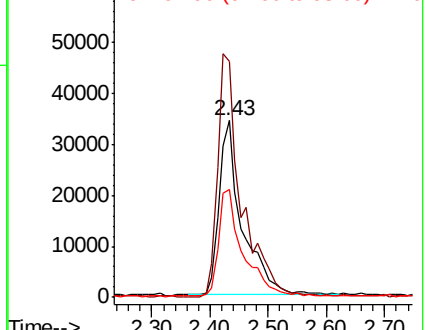
98 61.0 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



#22

Diisopropyl ether

Concen: 18.219 ug/l

RT: 2.94 min Scan# 245

Delta R.T. 0.02 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Tgt Ion: 45 Resp: 272045

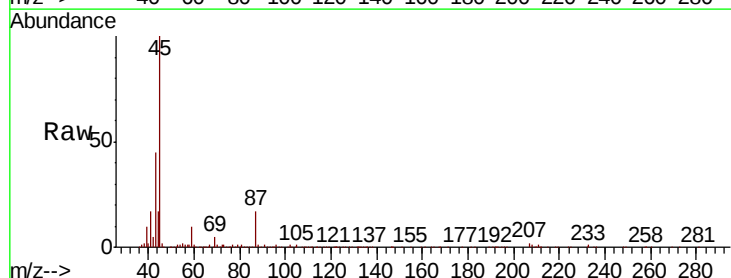
Ion Ratio Lower Upper

45 100

43 41.9 32.8 49.2

87 17.6 15.2 22.8

59 9.9 7.8 11.6

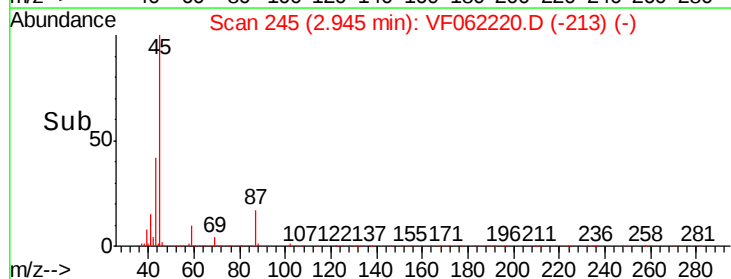
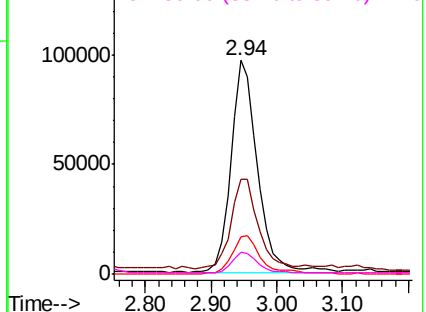


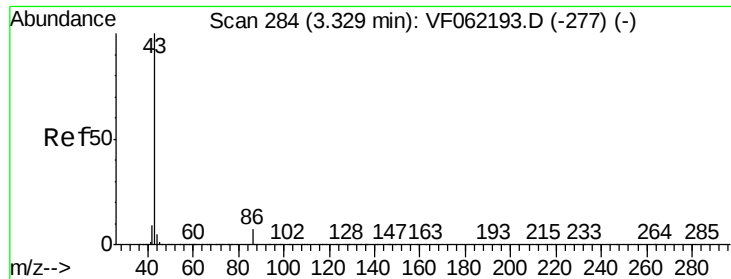
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0

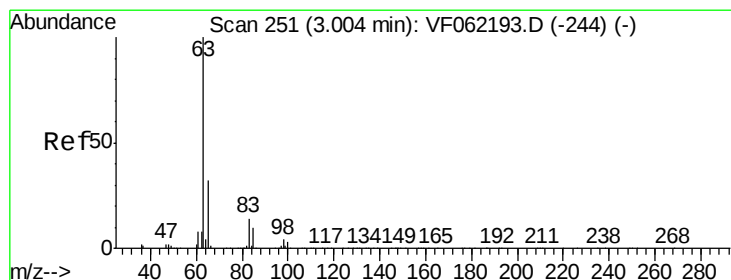
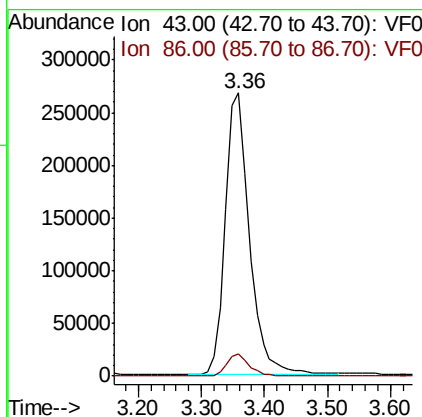
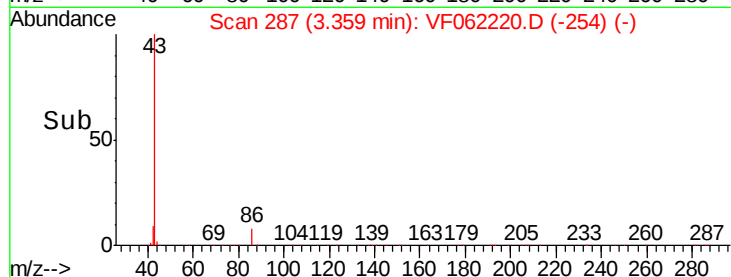
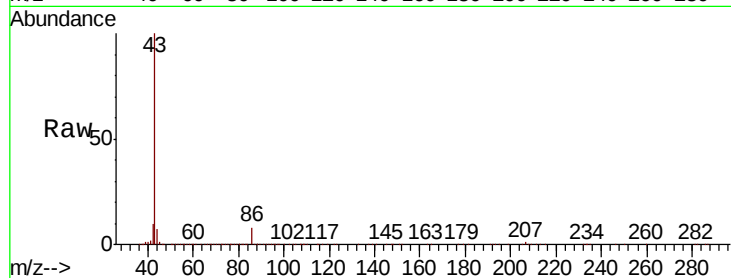




#23
 Vinyl Acetate
 Concen: 100.138 ug/l
 RT: 3.36 min Scan# 287
 Delta R.T. 0.03 min
 Lab File: VF062220.D
 Acq: 19 Apr 2019 12:58

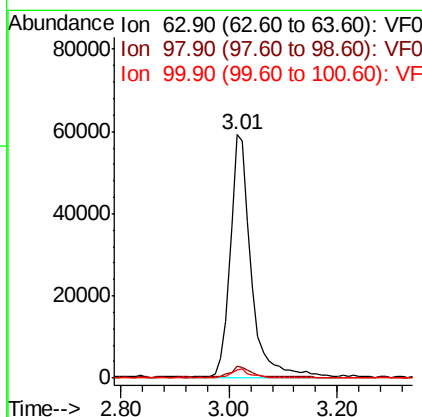
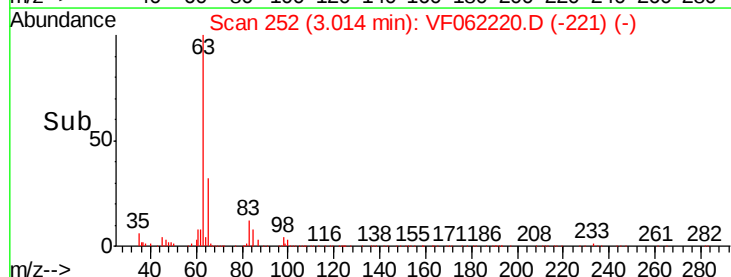
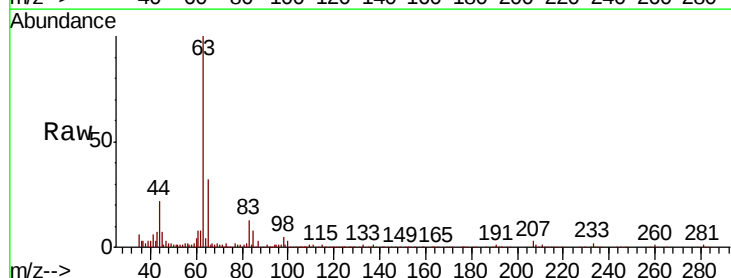
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0419SBS01

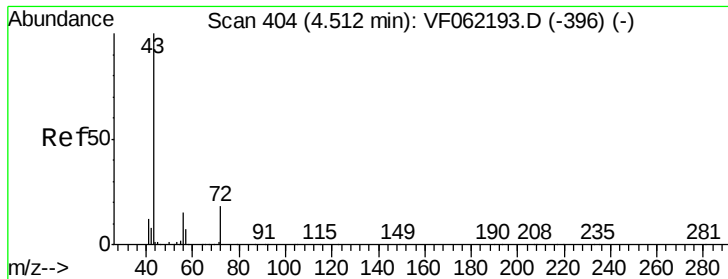
Tgt Ion: 43 Resp: 712400
 Ion Ratio Lower Upper
 43 100
 86 7.8 5.9 8.9



#24
 1,1-Dichloroethane
 Concen: 19.382 ug/l
 RT: 3.01 min Scan# 252
 Delta R.T. 0.01 min
 Lab File: VF062220.D
 Acq: 19 Apr 2019 12:58

Tgt Ion: 63 Resp: 158318
 Ion Ratio Lower Upper
 63 100
 98 4.7 2.3 6.8
 100 3.1 1.7 5.0





#25

2-Butanone

Concen: 91.152 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.03 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Instrument :

MSVOA_F

ClientSampleId :

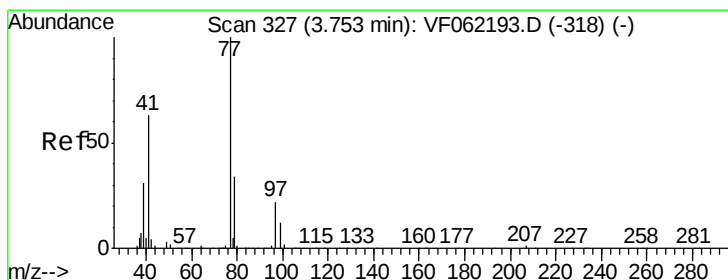
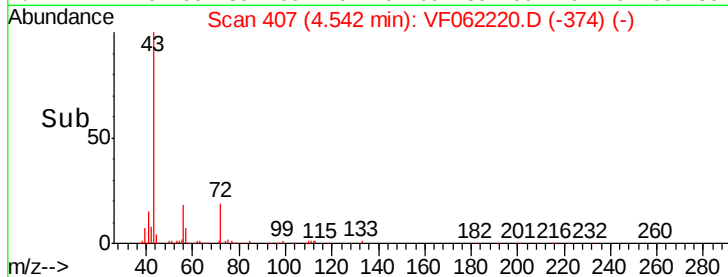
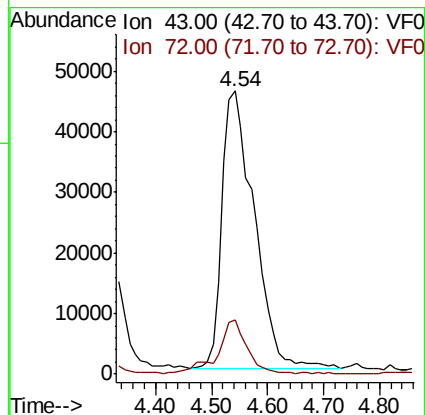
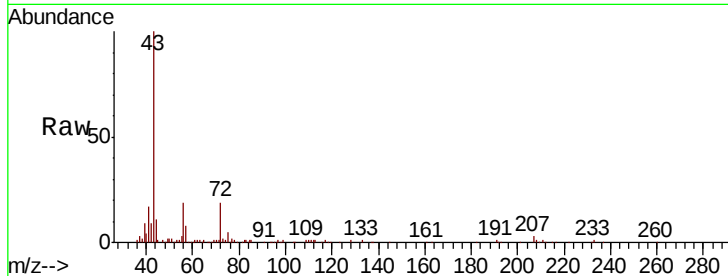
VF0419SBS01

Tgt Ion: 43 Resp: 182400

Ion Ratio Lower Upper

43 100

72 19.1 16.1 24.1



#26

2,2-Dichloropropane

Concen: 20.261 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.03 min

Lab File: VF062220.D

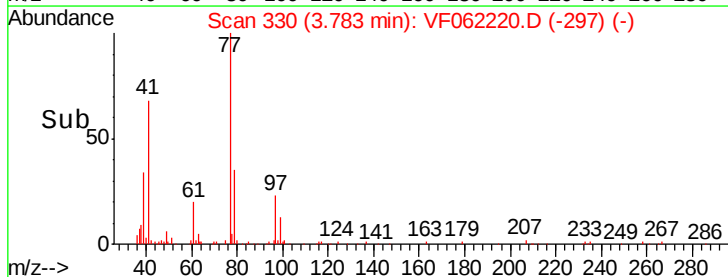
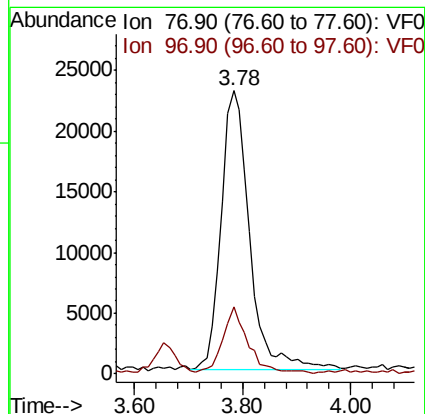
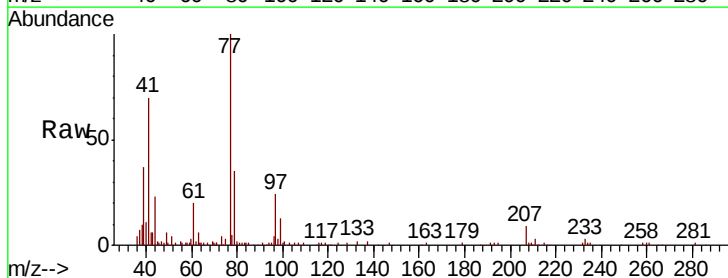
Acq: 19 Apr 2019 12:58

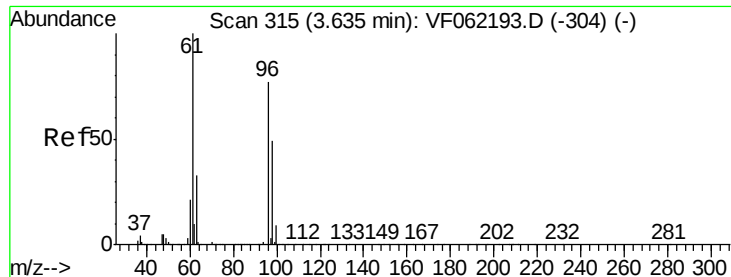
Tgt Ion: 77 Resp: 83555

Ion Ratio Lower Upper

77 100

97 19.9 11.1 33.3



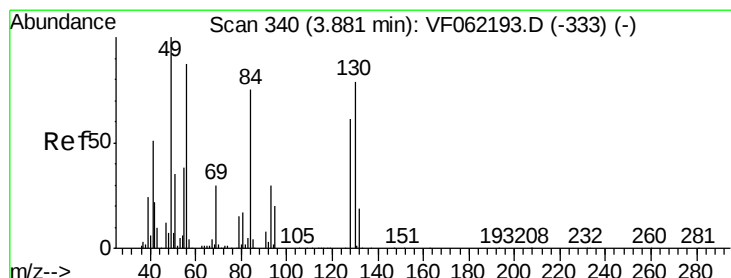
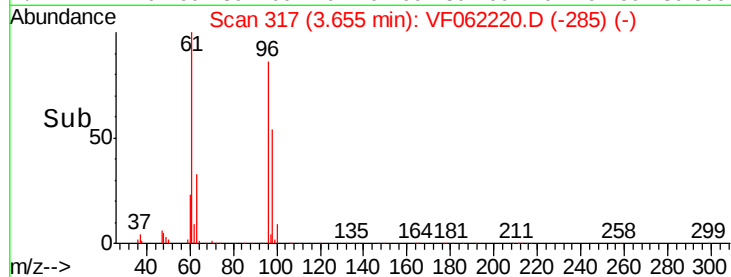
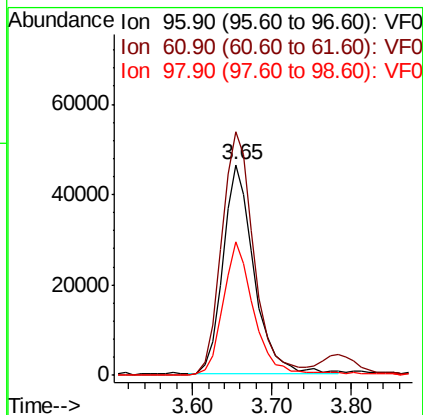
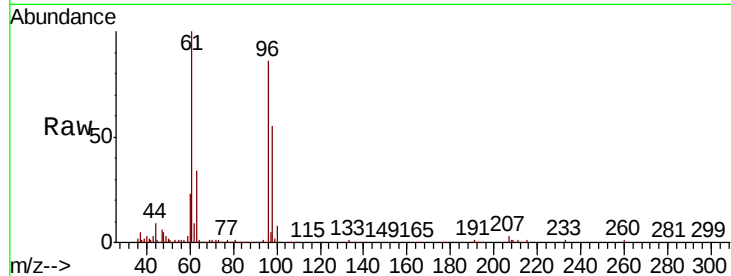


#27

cis-1,2-Dichloroethene
Concen: 19.221 ug/l
RT: 3.65 min Scan# 317
Delta R.T. 0.02 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

Instrument :
MSVOA_F
ClientSampleId :
VF0419SBS01

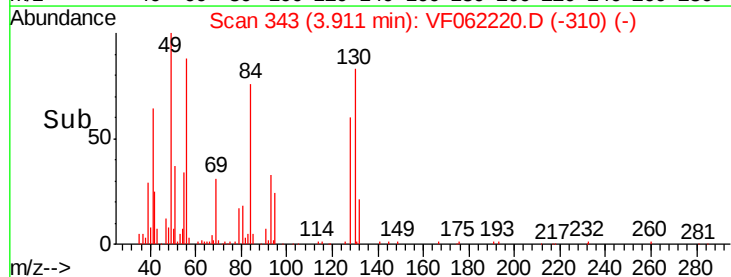
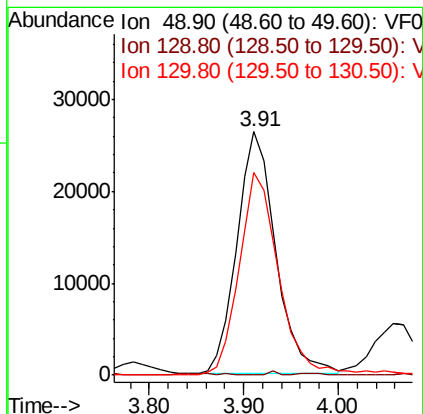
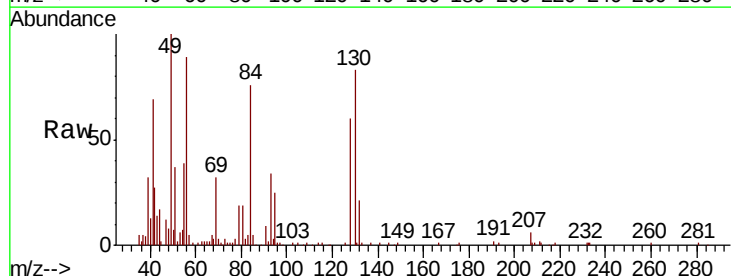
Tgt Ion: 96 Resp: 125202
Ion Ratio Lower Upper
96 100
61 122.1 0.0 253.6
98 63.6 0.0 124.8



#28

Bromochloromethane
Concen: 19.208 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.03 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

Tgt Ion: 49 Resp: 75155
Ion Ratio Lower Upper
49 100
129 0.4 0.0 0.0#
130 86.2 66.6 100.0

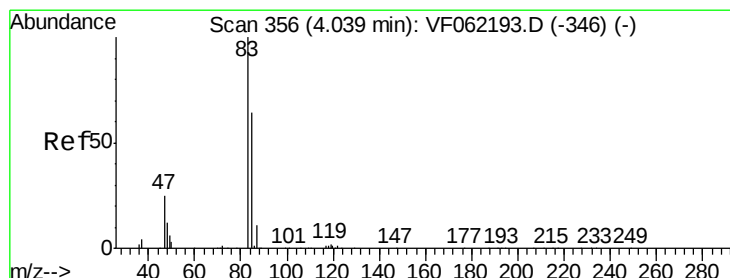
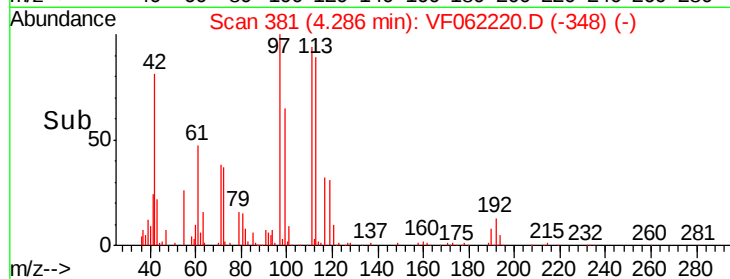
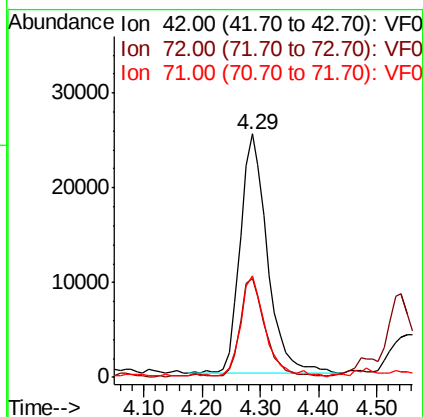
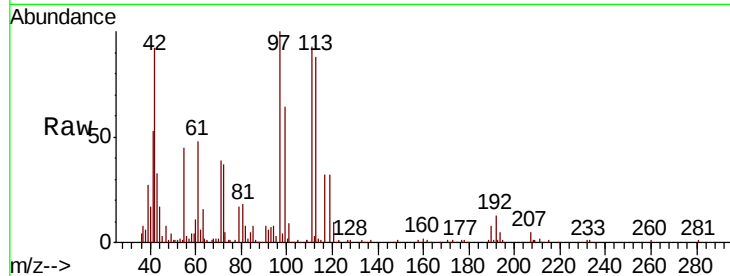




#29
Tetrahydrofuran
Concen: 90.440 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.03 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

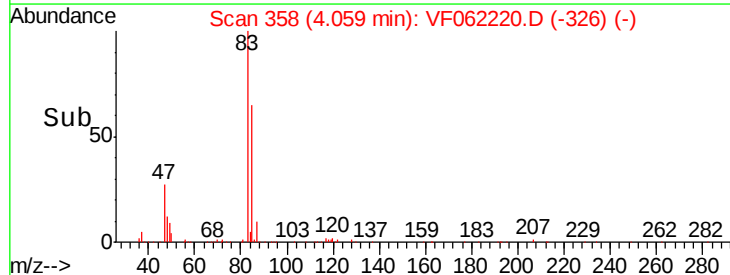
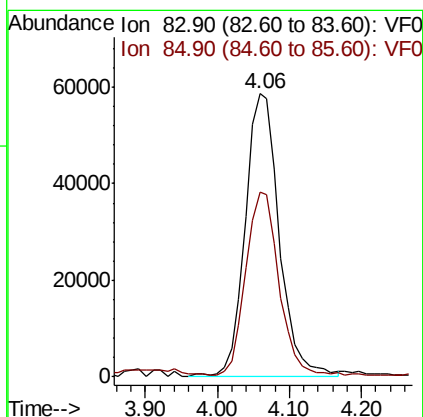
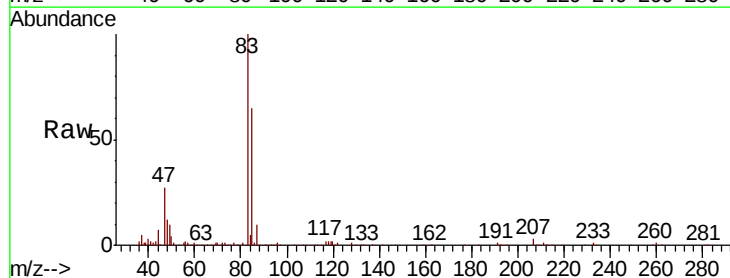
Instrument :
MSVOA_F
ClientSampleId :
VF0419SBS01

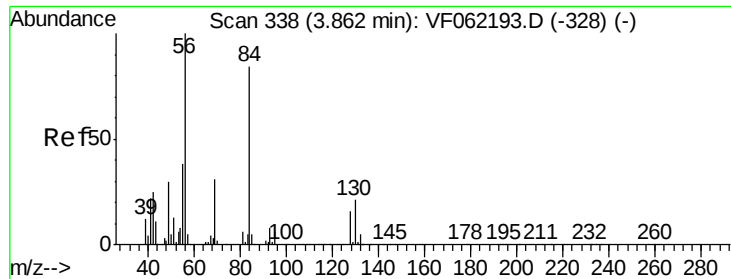
Tgt Ion: 42 Resp: 81916
Ion Ratio Lower Upper
42 100
72 37.1 28.6 43.0
71 39.7 29.2 43.8



#30
Chloroform
Concen: 19.334 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.02 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

Tgt Ion: 83 Resp: 194081
Ion Ratio Lower Upper
83 100
85 64.3 51.8 77.8

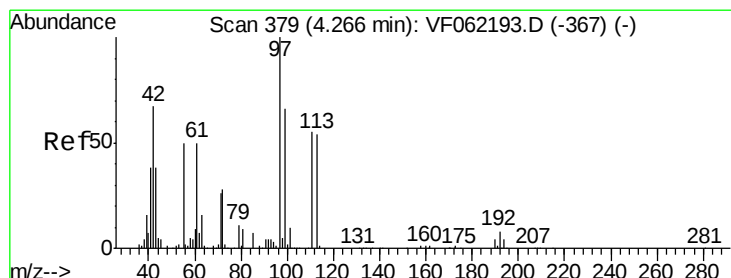
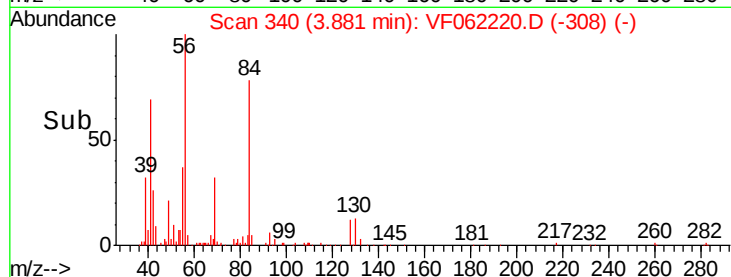
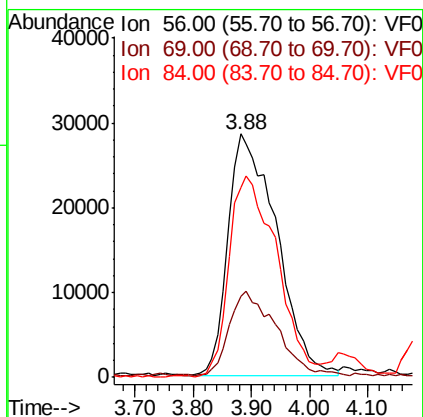
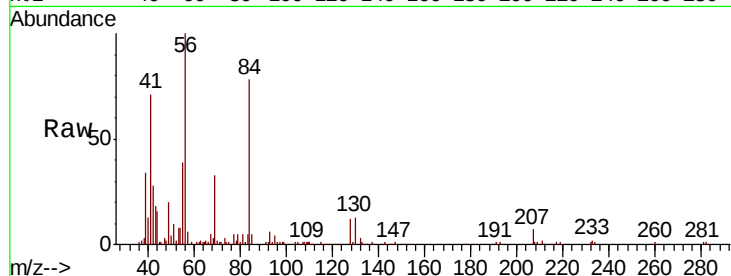




#31
Cyclohexane
Concen: 16.913 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.02 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

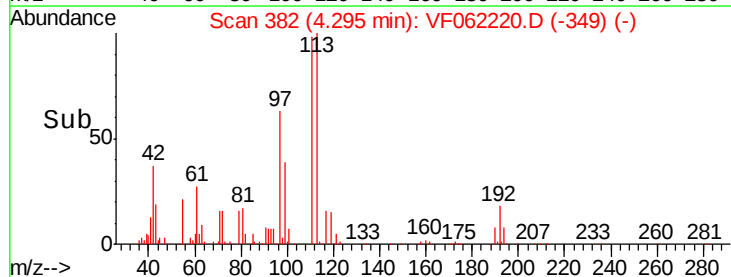
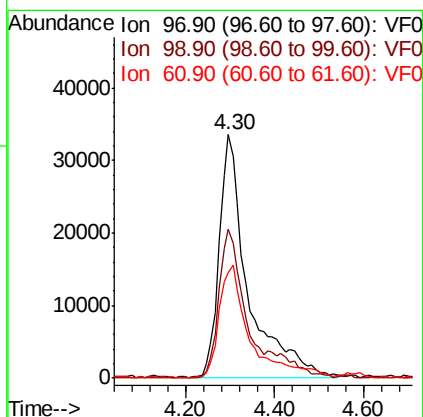
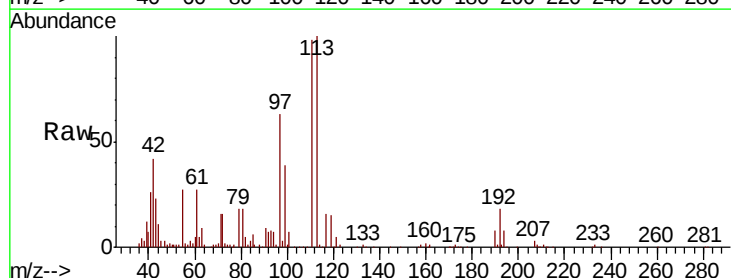
Instrument :
MSVOA_F
ClientSampleId :
VF0419SBS01

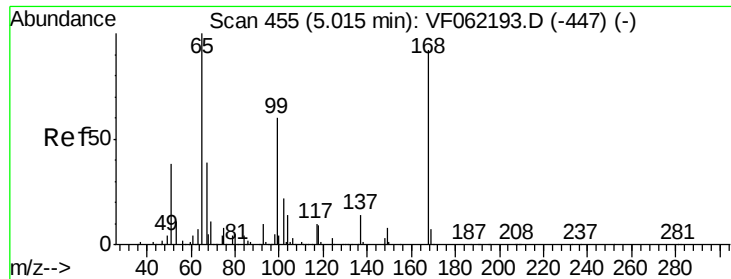
Tgt Ion: 56 Resp: 165558
Ion Ratio Lower Upper
56 100
69 32.3 25.1 37.7
84 77.7 67.8 101.6



#32
1,1,1-Trichloroethane
Concen: 20.647 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.03 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

Tgt Ion: 97 Resp: 151711
Ion Ratio Lower Upper
97 100
99 62.9 52.7 79.1
61 49.6 53.0 79.4#





#33

1,2-Dichloroethane-d4

Concen: 53.593 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.03 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Instrument :

MSVOA_F

ClientSampleId :

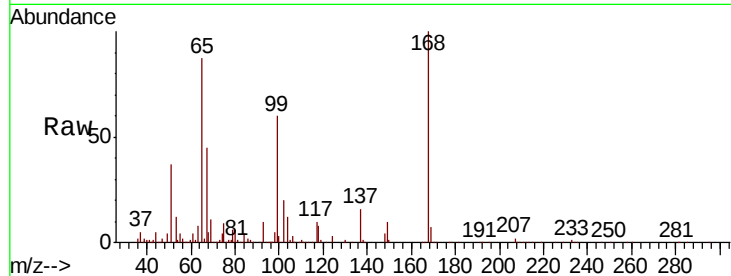
VF0419SBS01

Tgt Ion: 65 Resp: 224381

Ion Ratio Lower Upper

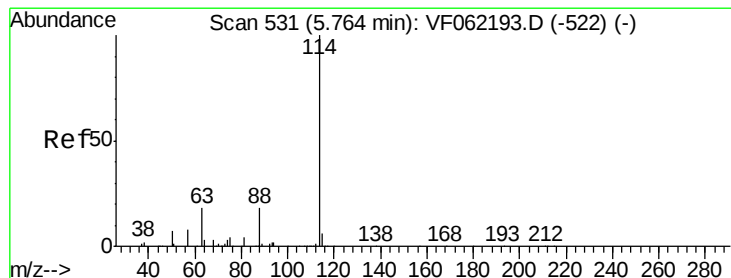
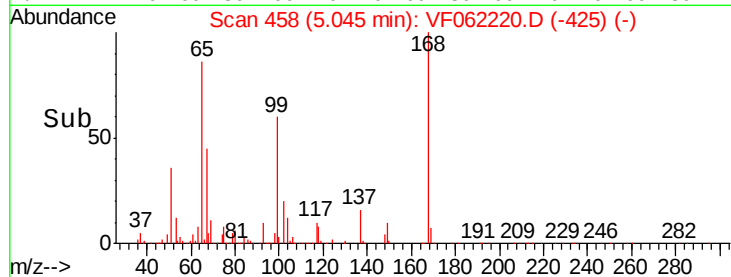
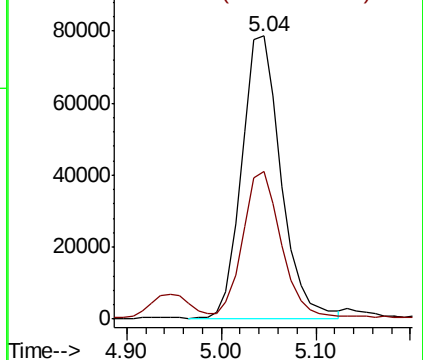
65 100

67 51.6 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: 5.78 min Scan# 533

Delta R.T. 0.02 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

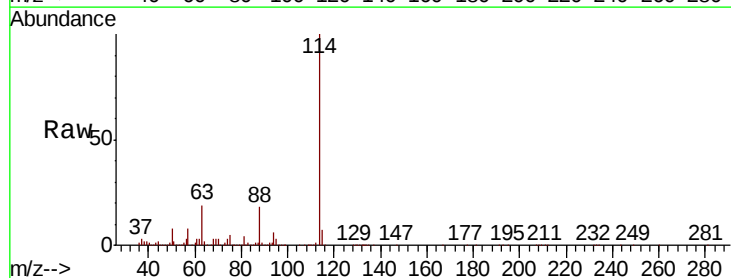
Tgt Ion: 114 Resp: 695950

Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.6

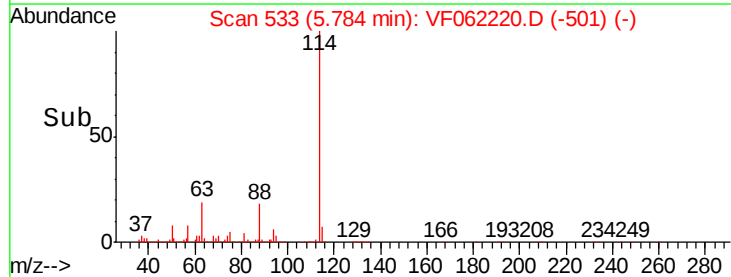
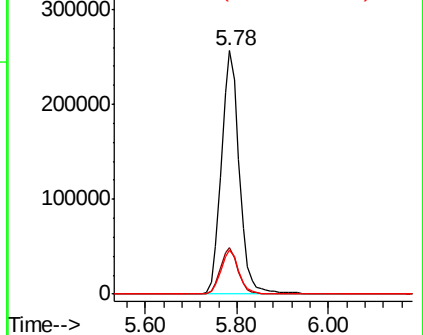
88 18.3 0.0 35.8

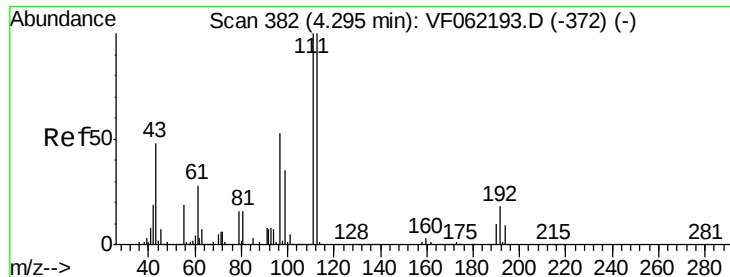


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

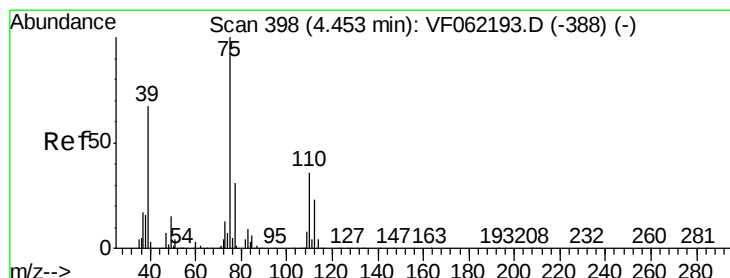
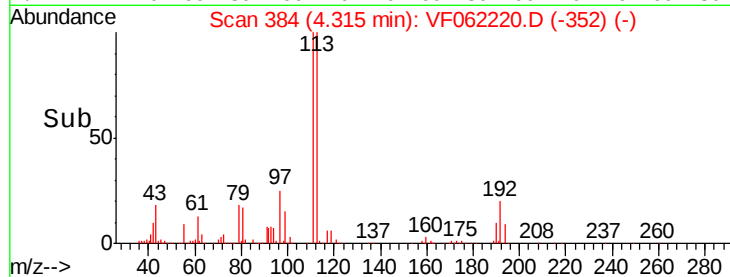
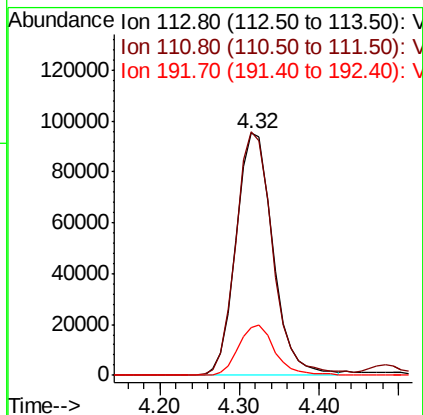
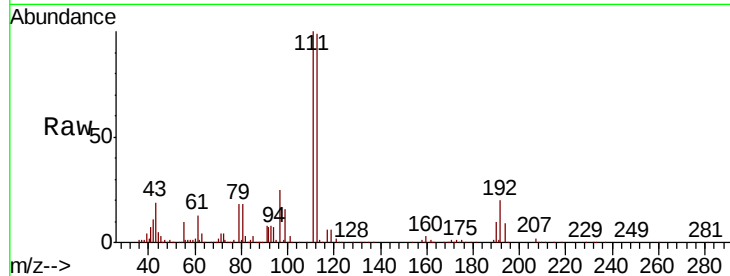




#35
 Dibromofluoromethane
 Concen: 50.305 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.02 min
 Lab File: VF062220.D
 Acq: 19 Apr 2019 12:58

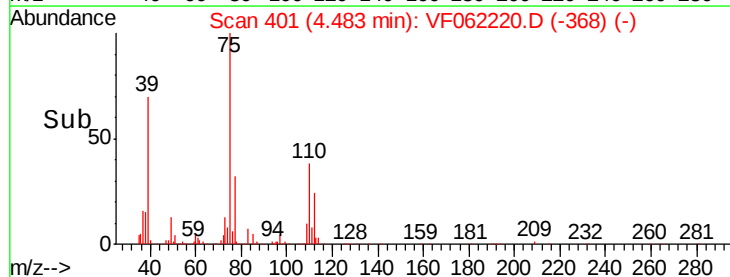
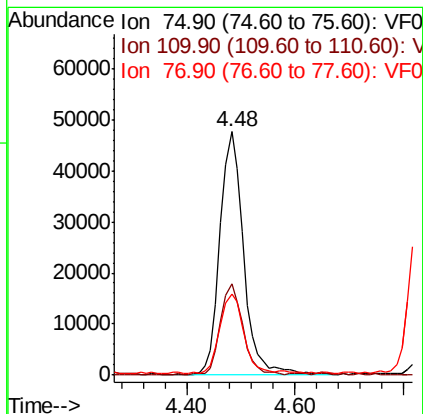
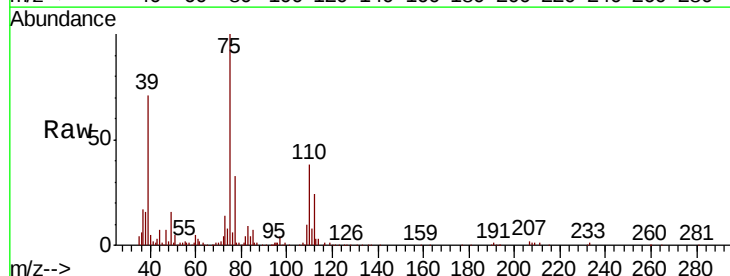
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0419SBS01

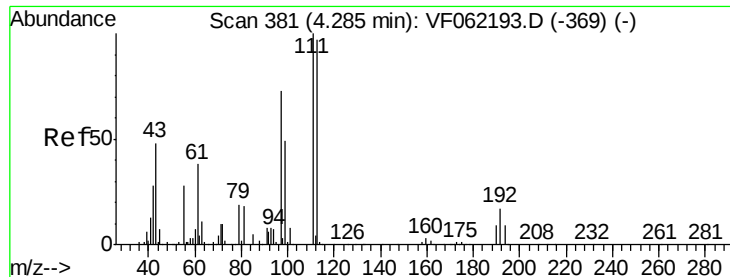
Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.1	121.7
192	20.4	14.7	22.1



#36
 1,1-Dichloropropene
 Concen: 17.270 ug/l
 RT: 4.48 min Scan# 401
 Delta R.T. 0.03 min
 Lab File: VF062220.D
 Acq: 19 Apr 2019 12:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.4	55.2
77	33.0	25.4	38.2

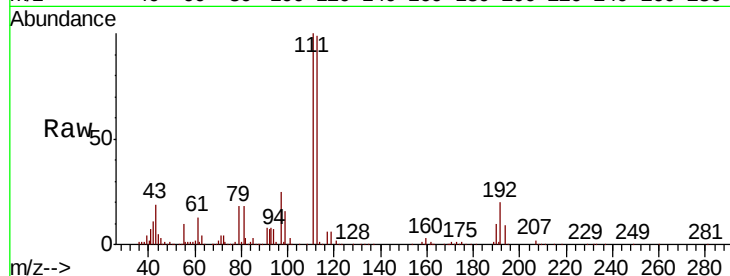




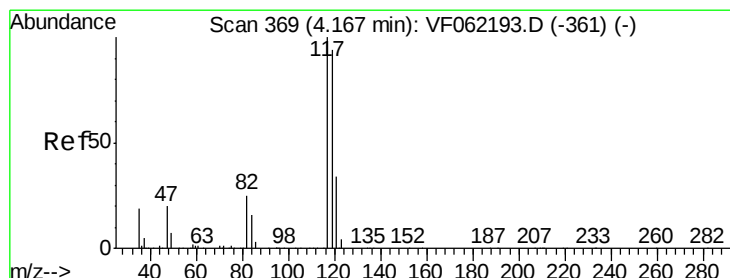
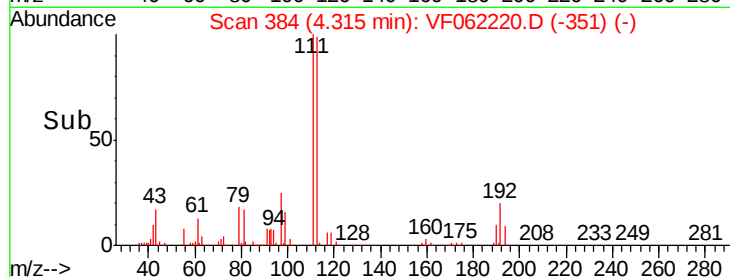
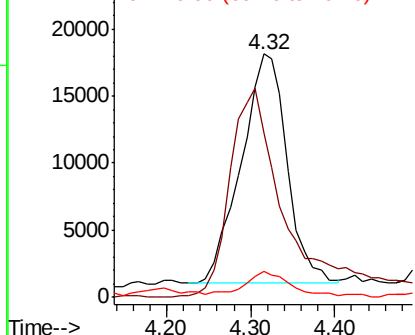
#37
Ethyl Acetate
Concen: 16.570 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.03 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

Instrument :
MSVOA_F
ClientSampleId :
VF0419SBS01

Tgt Ion: 43 Resp: 65243
Ion Ratio Lower Upper
43 100
61 115.3 0.0 0.0#
70 10.1 7.8 11.6

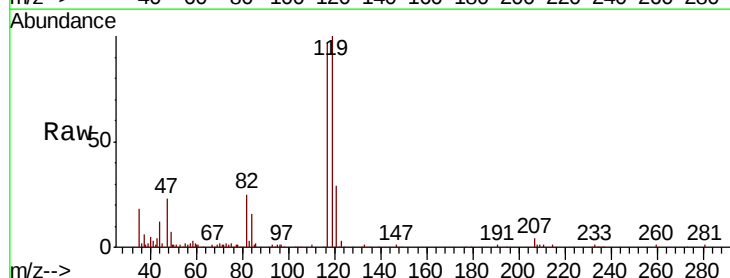


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 70.00 (69.70 to 70.70): VF0

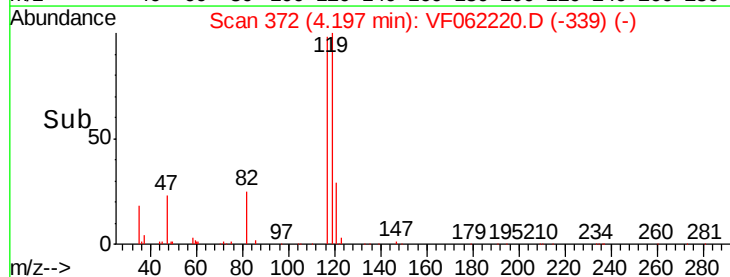
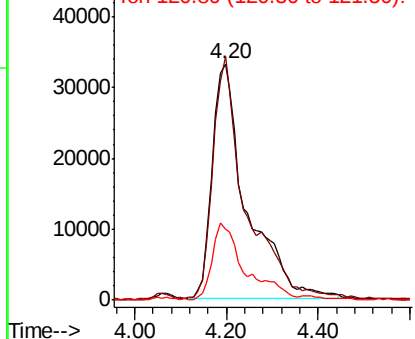


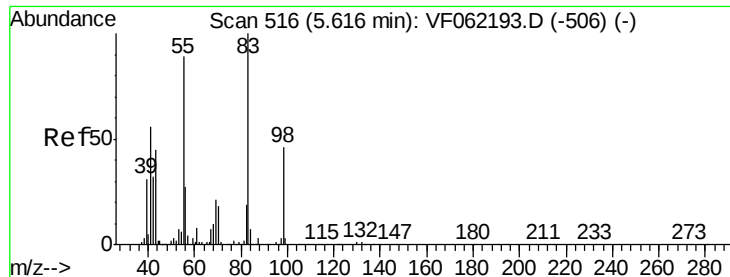
#38
Carbon Tetrachloride
Concen: 23.398 ug/l
RT: 4.20 min Scan# 372
Delta R.T. 0.03 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

Tgt Ion: 117 Resp: 172809
Ion Ratio Lower Upper
117 100
119 102.6 75.0 112.4
121 30.3 26.9 40.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

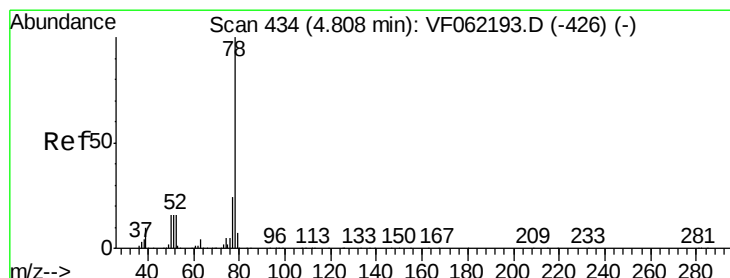
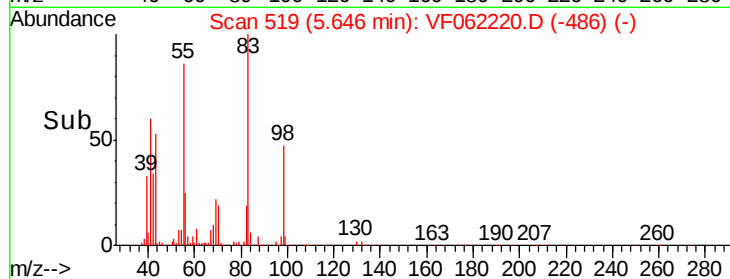
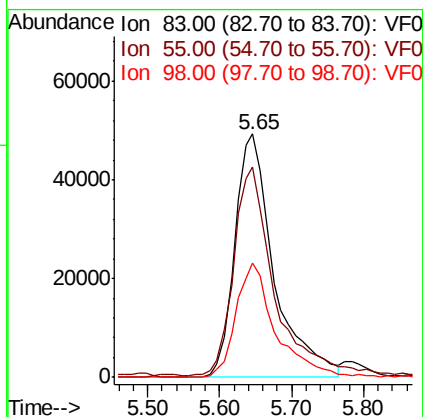
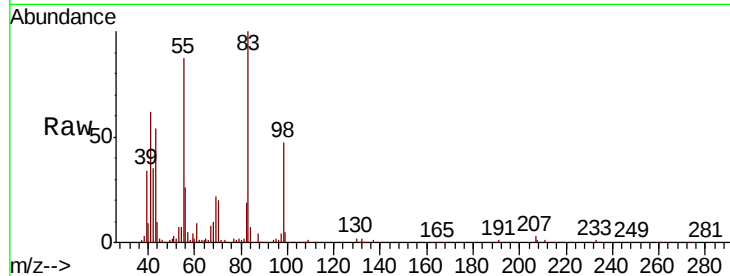




#39
Methylcyclohexane
Concen: 18.500 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.03 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

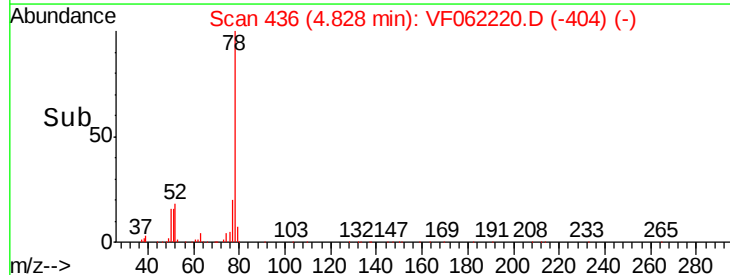
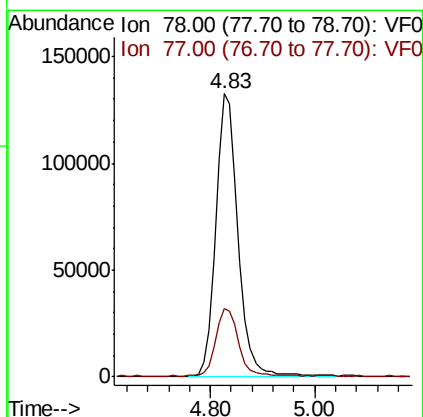
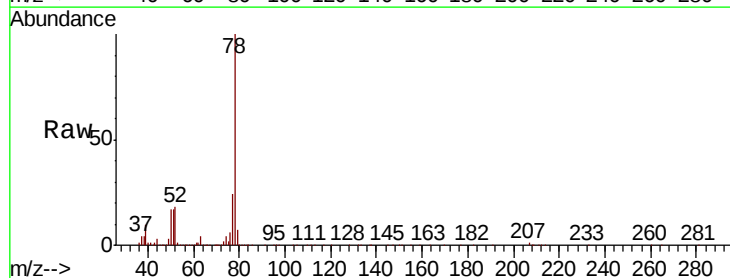
Instrument :
MSVOA_F
ClientSampleId :
VF0419SBS01

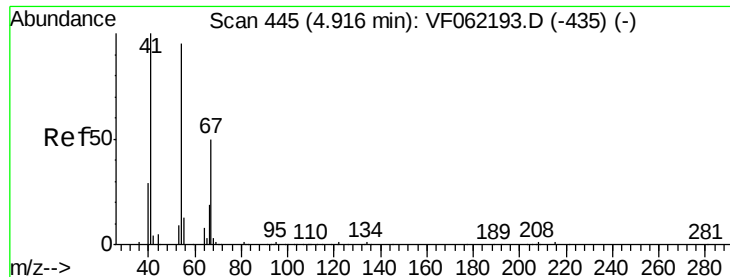
Tgt Ion: 83 Resp: 184827
Ion Ratio Lower Upper
83 100
55 86.0 71.0 106.6
98 46.6 36.7 55.1



#40
Benzene
Concen: 17.834 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.02 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

Tgt Ion: 78 Resp: 390321
Ion Ratio Lower Upper
78 100
77 24.0 18.9 28.3





#41

Methacrylonitrile

Concen: 17.944 ug/l

RT: 4.95 min Scan# 448

Delta R.T. 0.03 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Instrument :

MSVOA_F

ClientSampleId :

VF0419SBS01

Tgt Ion: 41 Resp: 40754

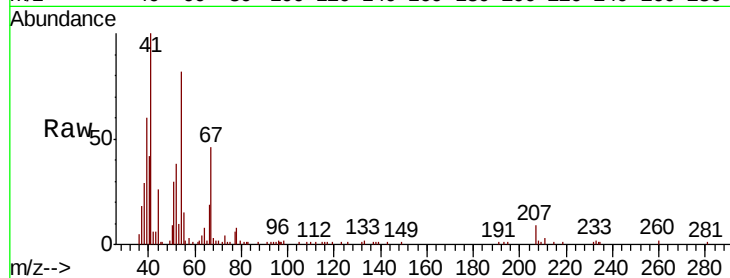
Ion Ratio Lower Upper

41 100

39 62.2 44.7 67.1

67 51.5 39.1 58.7

52 63.1 49.8 74.8

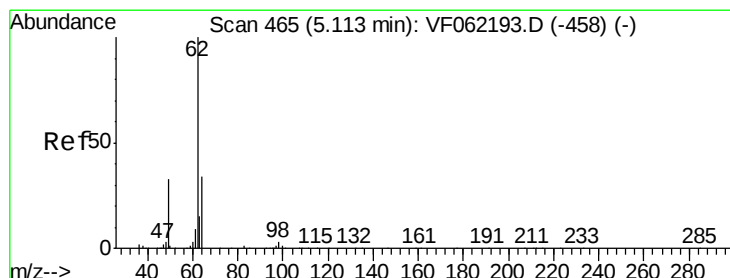
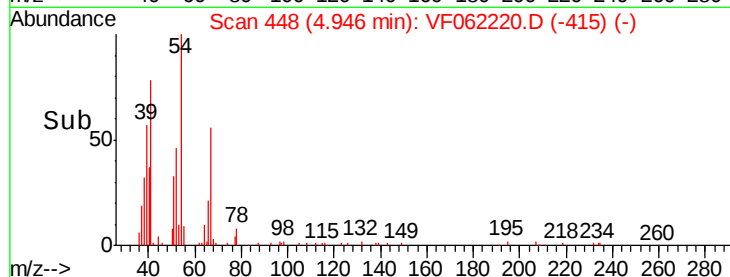
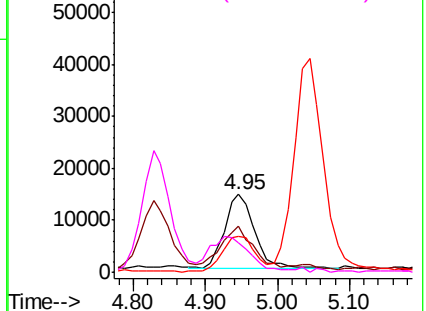


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 19.586 ug/l

RT: 5.14 min Scan# 468

Delta R.T. 0.03 min

Lab File: VF062220.D

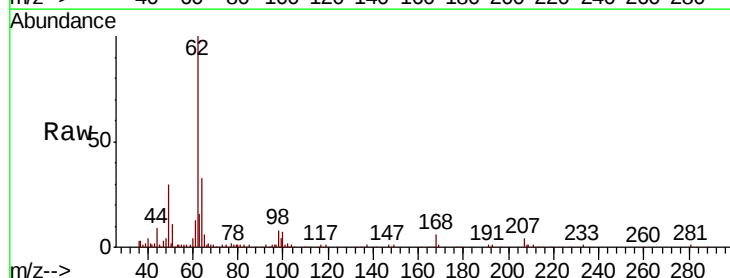
Acq: 19 Apr 2019 12:58

Tgt Ion: 62 Resp: 113325

Ion Ratio Lower Upper

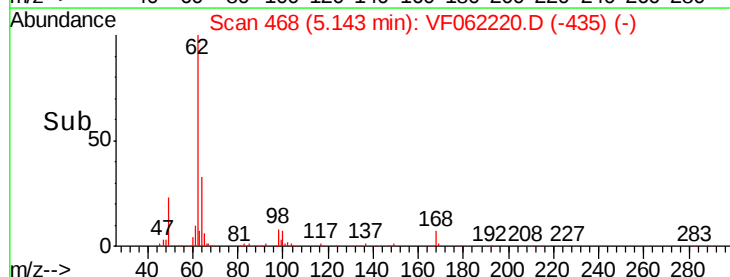
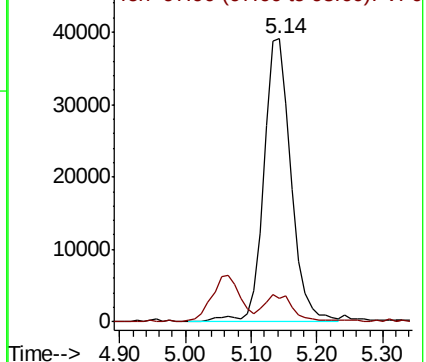
62 100

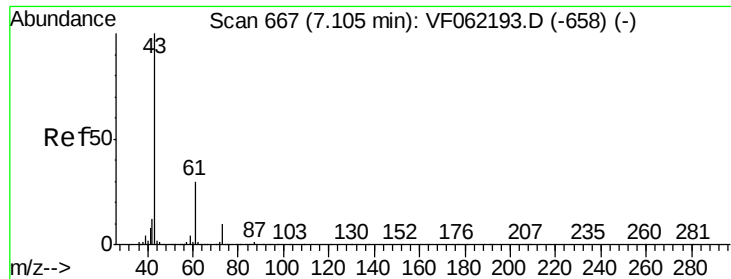
98 9.2 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



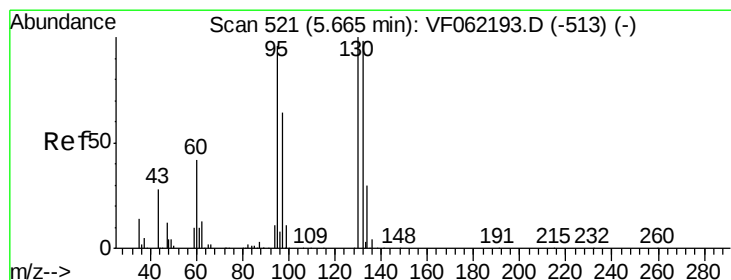
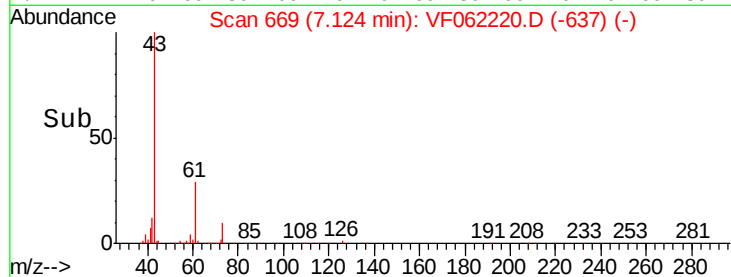
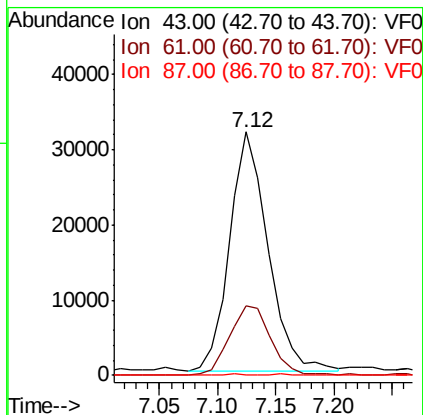
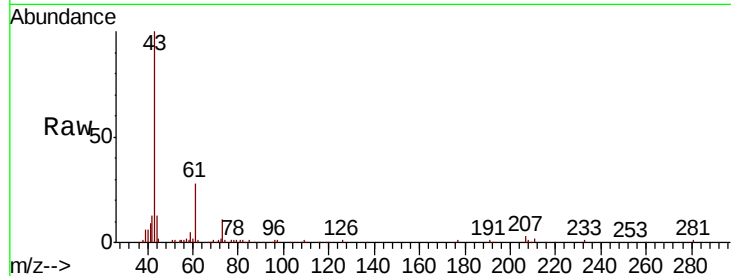


#43

Isopropyl Acetate
 Concen: 17.427 ug/l
 RT: 7.12 min Scan# 669
 Delta R.T. 0.02 min
 Lab File: VF062220.D
 Acq: 19 Apr 2019 12:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0419SBS01

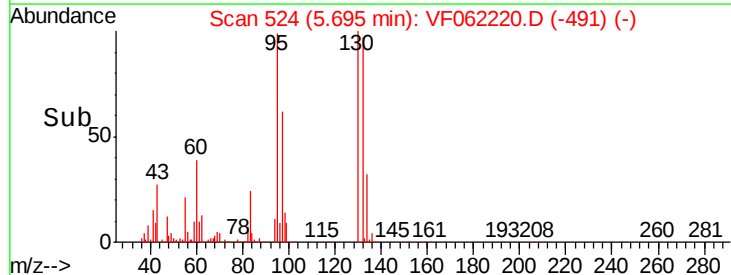
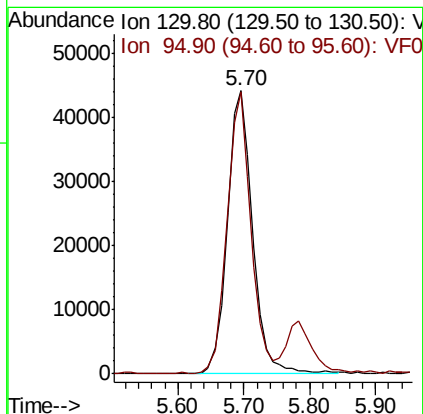
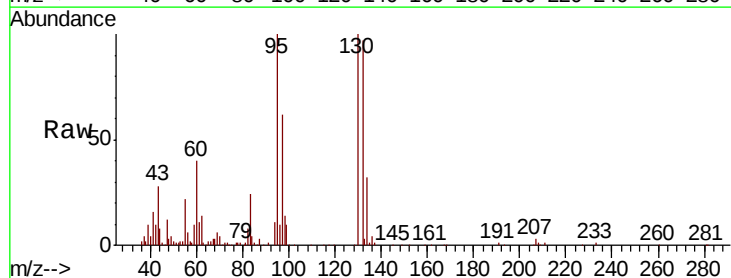
Tgt Ion: 43 Resp: 72167
 Ion Ratio Lower Upper
 43 100
 61 31.3 24.4 36.6
 87 0.4 0.4 0.6

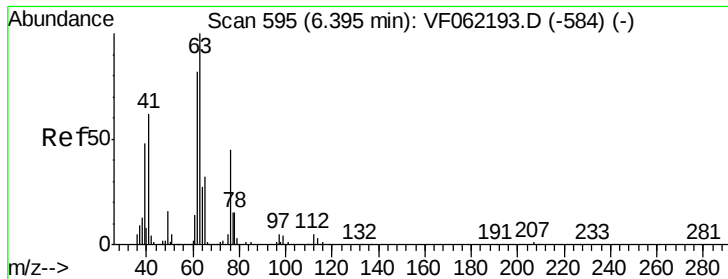


#44

Trichloroethene
 Concen: 20.047 ug/l
 RT: 5.70 min Scan# 524
 Delta R.T. 0.03 min
 Lab File: VF062220.D
 Acq: 19 Apr 2019 12:58

Tgt Ion: 130 Resp: 118557
 Ion Ratio Lower Upper
 130 100
 95 99.6 0.0 191.4





#45

1,2-Dichloropropane

Concen: 18.825 ug/l

RT: 6.41 min Scan# 597

Delta R.T. 0.02 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Instrument :

MSVOA_F

ClientSampleId :

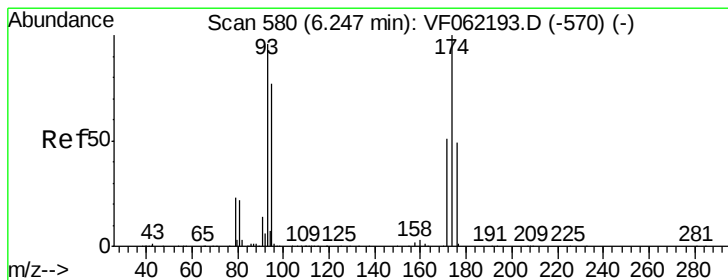
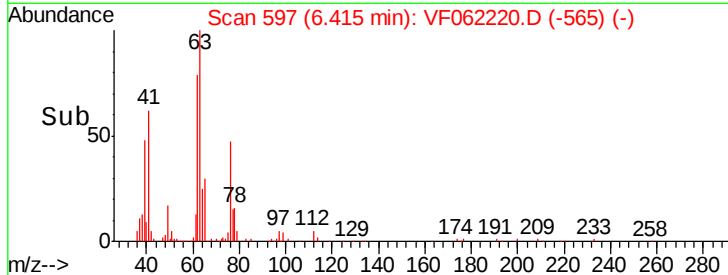
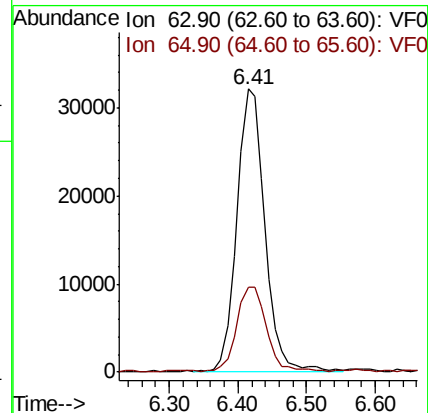
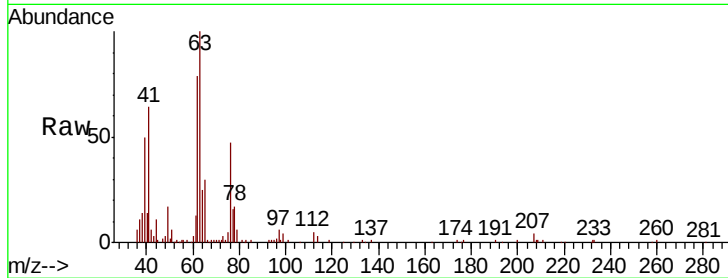
VF0419SBS01

Tgt Ion: 63 Resp: 90752

Ion Ratio Lower Upper

63 100

65 29.6 25.9 38.9



#46

Dibromomethane

Concen: 19.325 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.02 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

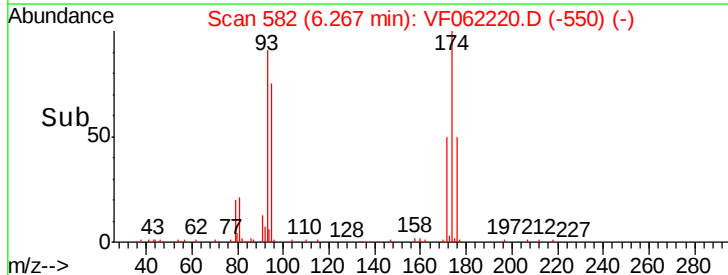
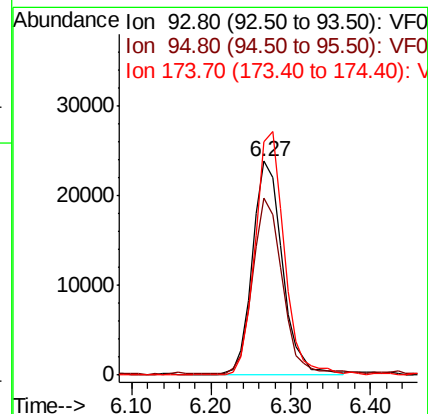
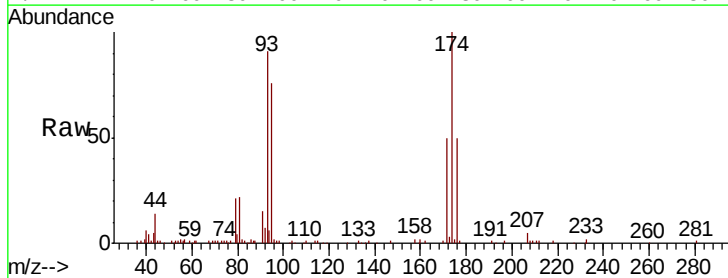
Tgt Ion: 93 Resp: 61983

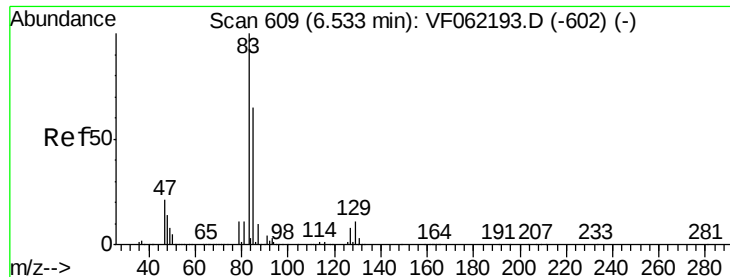
Ion Ratio Lower Upper

93 100

95 79.8 65.1 97.7

174 110.1 81.8 122.6





#47

Bromodichloromethane

Concen: 18.741 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.03 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Instrument :

MSVOA_F

ClientSampleId :

VF0419SBS01

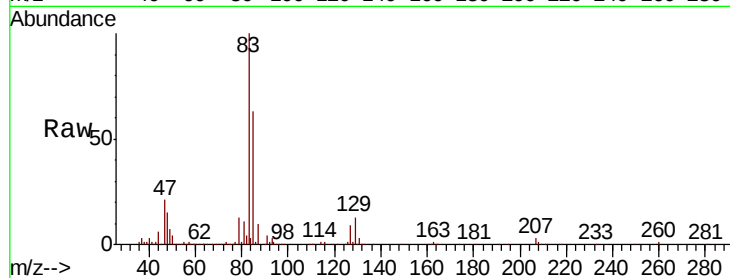
Tgt Ion: 83 Resp: 135647

Ion Ratio Lower Upper

83 100

85 63.3 52.2 78.4

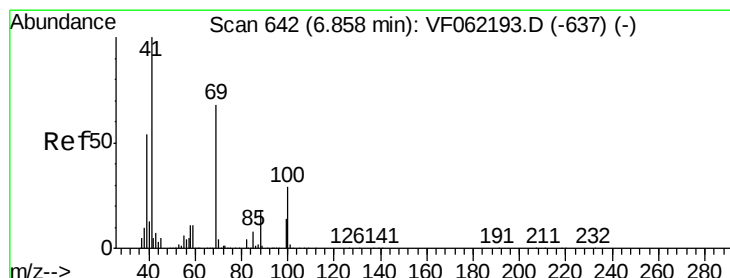
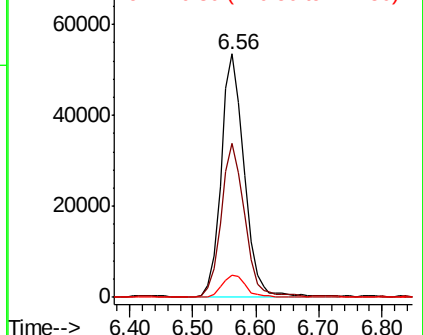
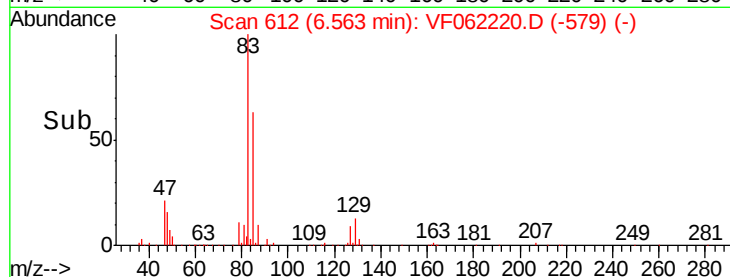
127 9.2 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 17.835 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.03 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

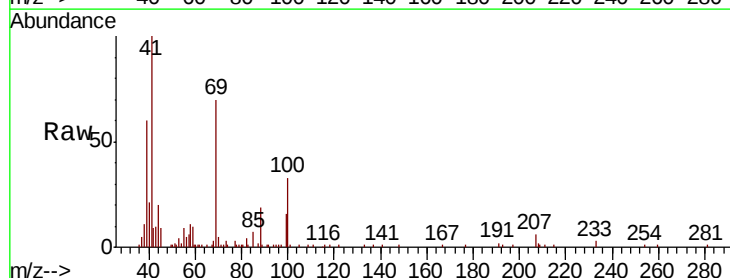
Tgt Ion: 41 Resp: 48539

Ion Ratio Lower Upper

41 100

69 72.1 54.9 82.3

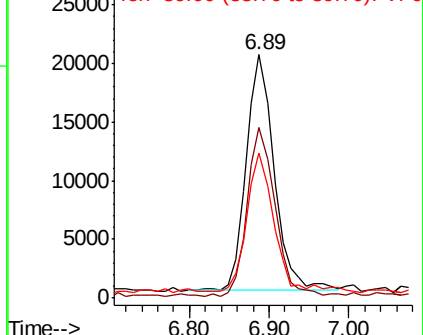
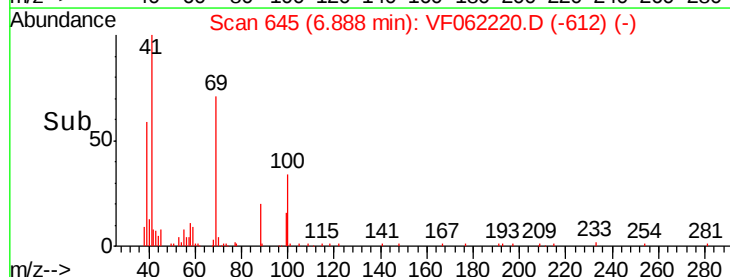
39 57.9 43.6 65.4

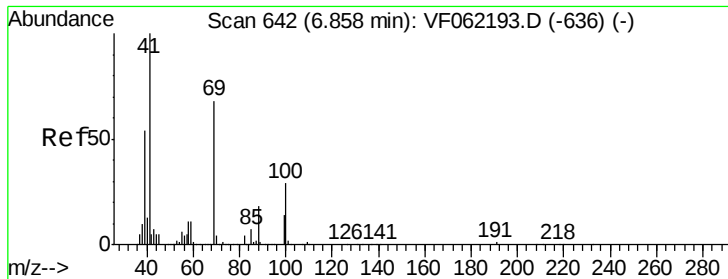


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 363.903 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.03 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Instrument :

MSVOA_F

ClientSampleId :

VF0419SBS01

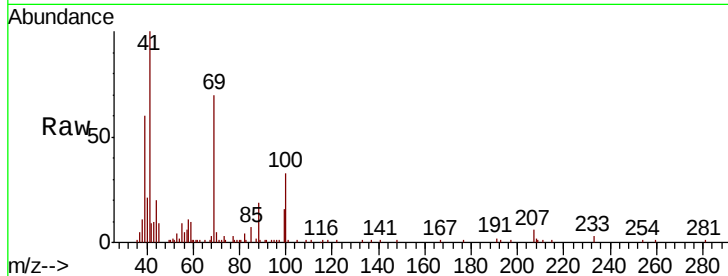
Tgt Ion: 88 Resp: 11358

Ion Ratio Lower Upper

88 100

43 42.8 36.9 55.3

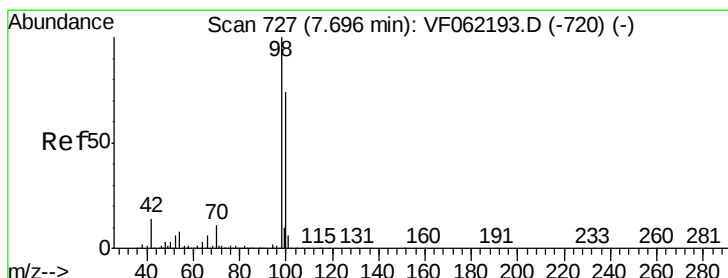
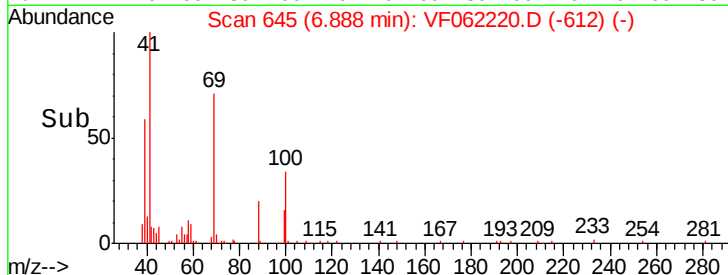
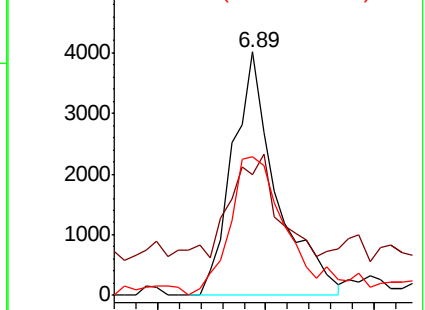
58 77.5 56.8 85.2



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: 50.888 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.02 min

Lab File: VF062220.D

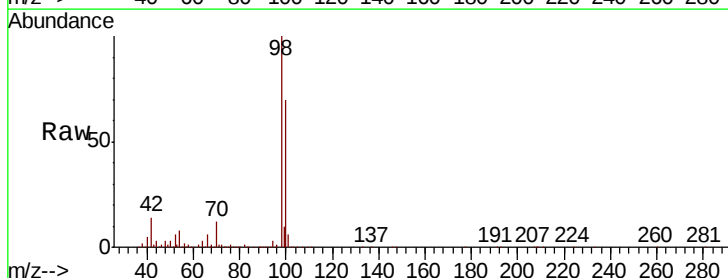
Acq: 19 Apr 2019 12:58

Tgt Ion: 98 Resp: 784189

Ion Ratio Lower Upper

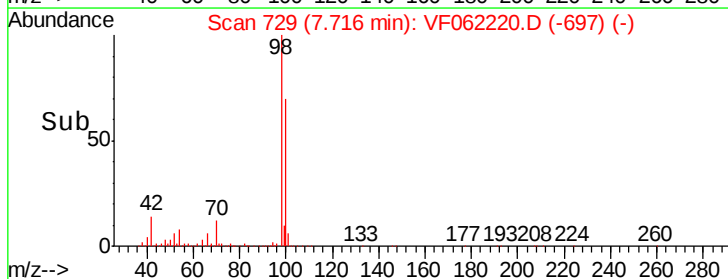
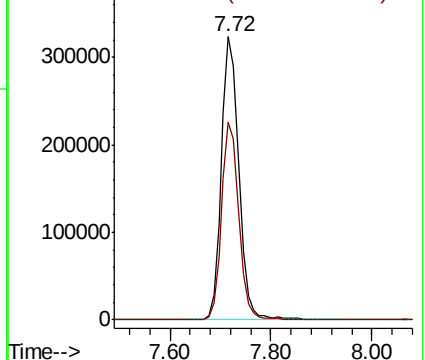
98 100

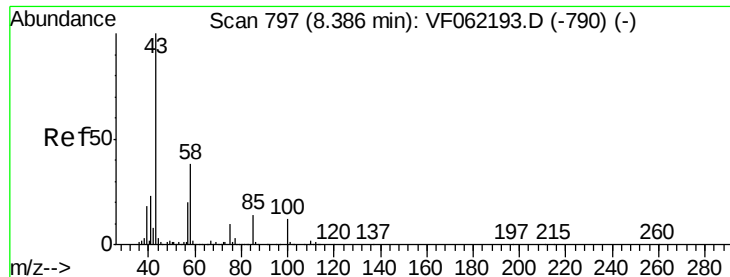
100 68.7 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

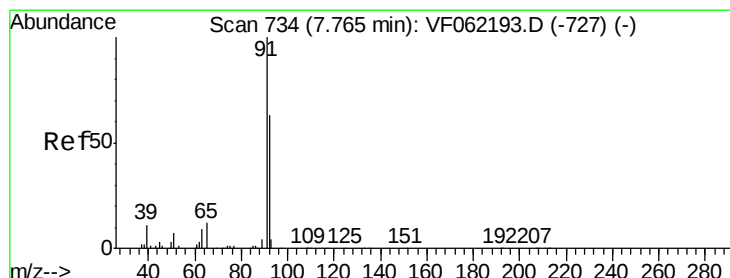
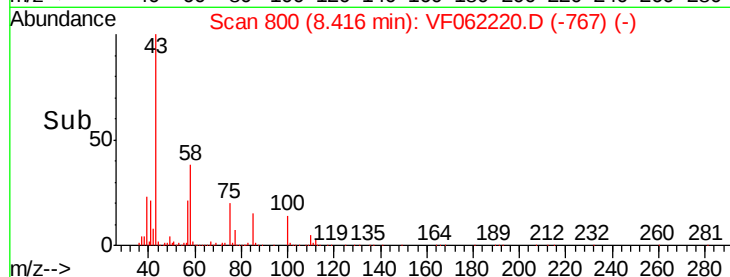
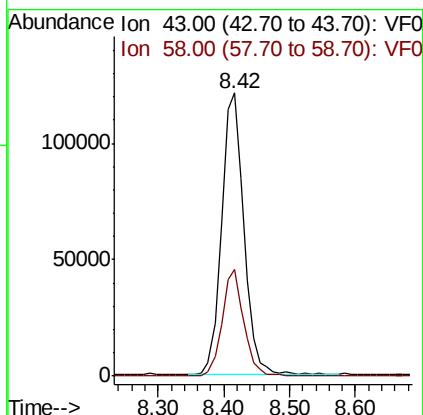
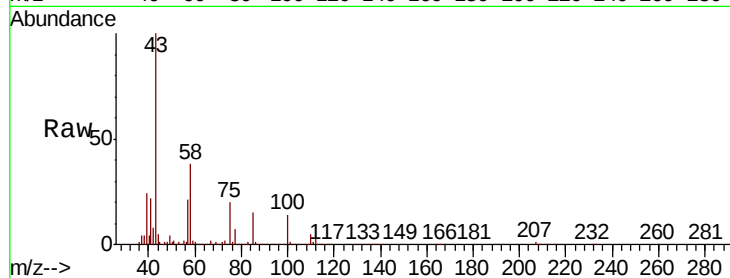




#51
4-Methyl-2-Pentanone
Concen: 92.614 ug/l
RT: 8.42 min Scan# 800
Delta R.T. 0.03 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

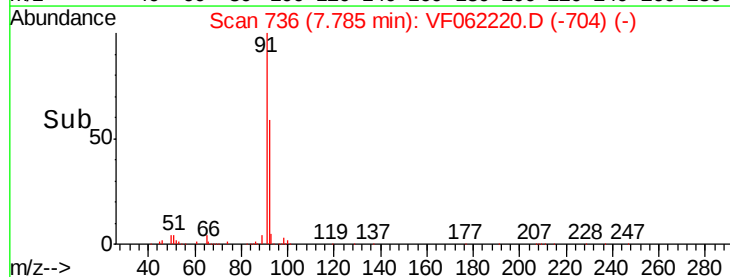
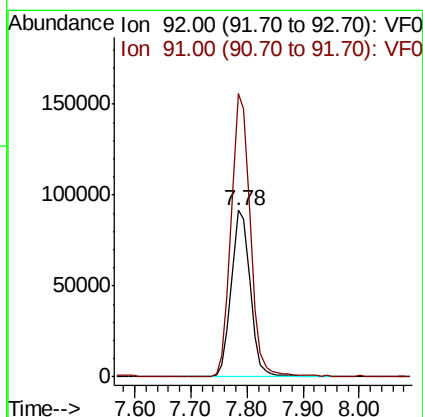
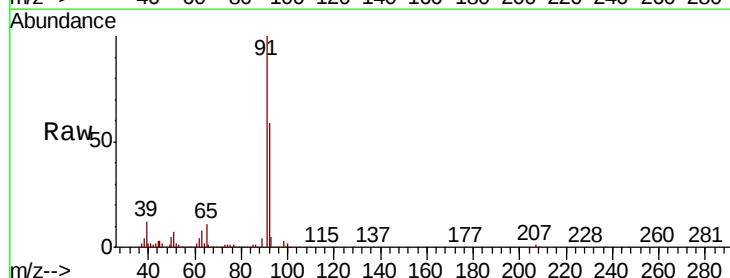
Instrument :
MSVOA_F
ClientSampleId :
VF0419SBS01

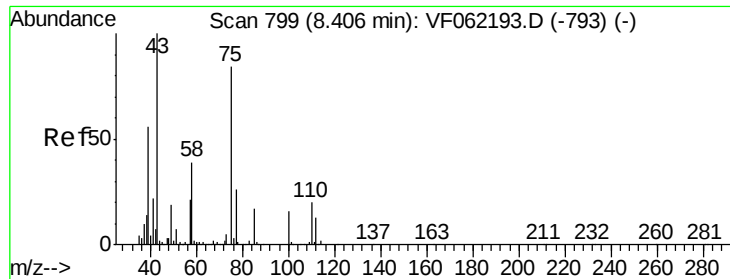
Tgt Ion: 43 Resp: 285264
Ion Ratio Lower Upper
43 100
58 37.1 29.3 43.9



#52
Toluene
Concen: 18.842 ug/l
RT: 7.78 min Scan# 736
Delta R.T. 0.02 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

Tgt Ion: 92 Resp: 217375
Ion Ratio Lower Upper
92 100
91 170.2 130.1 195.1





#53

t-1,3-Dichloropropene

Concen: 20.186 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.03 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Instrument :

MSVOA_F

ClientSampleId :

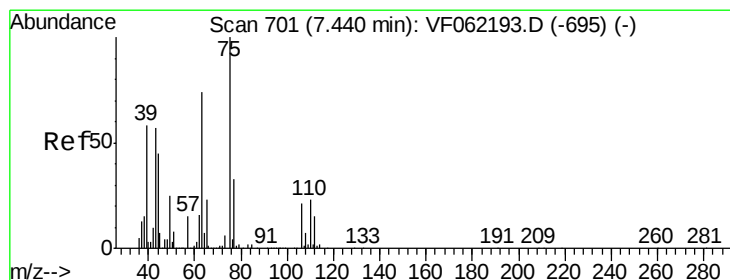
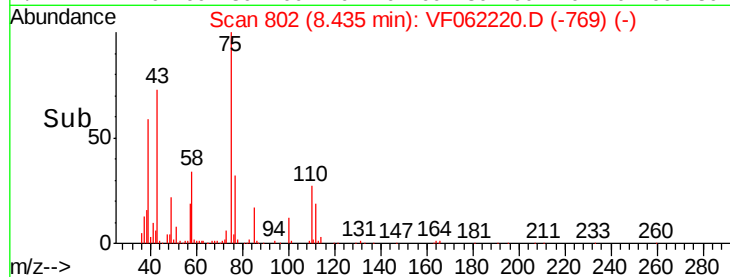
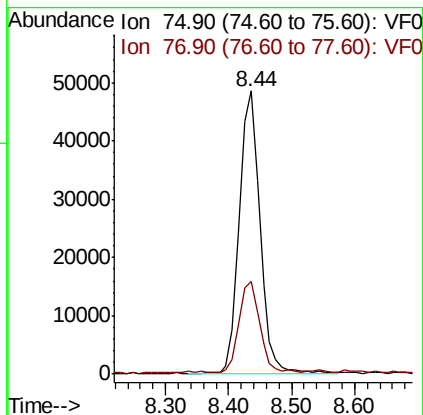
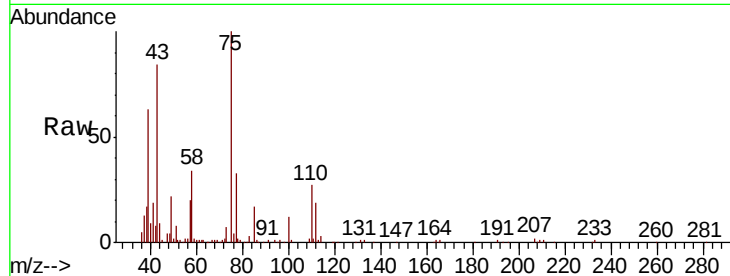
VF0419SBS01

Tgt Ion: 75 Resp: 109739

Ion Ratio Lower Upper

75 100

77 32.3 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 19.269 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.03 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

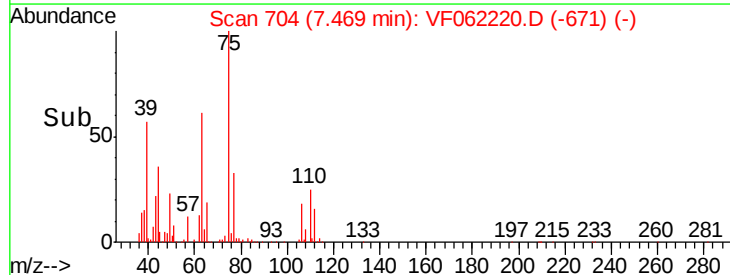
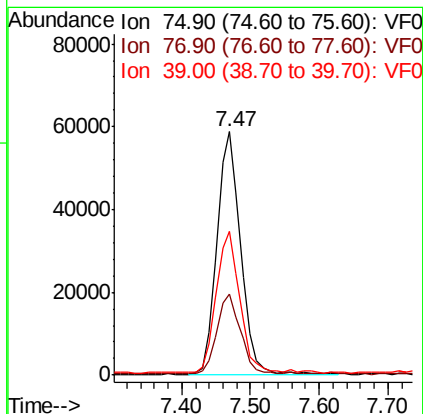
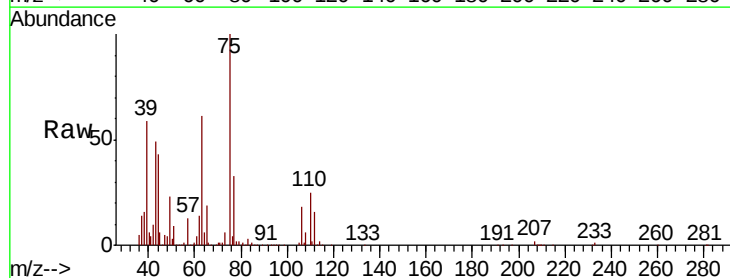
Tgt Ion: 75 Resp: 141698

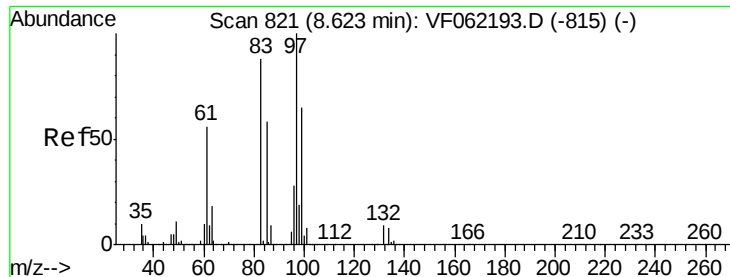
Ion Ratio Lower Upper

75 100

77 32.8 26.4 39.6

39 57.8 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 20.165 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.02 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Instrument :

MSVOA_F

ClientSampleId :

VF0419SBS01

Tgt Ion: 97 Resp: 65172

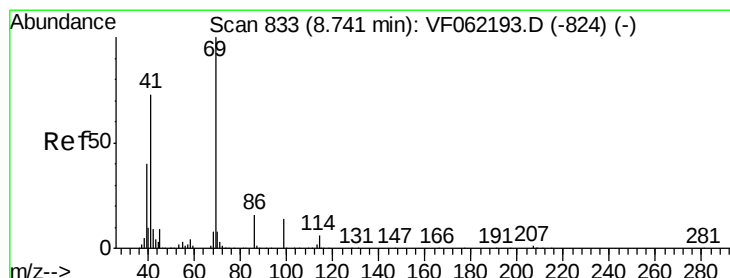
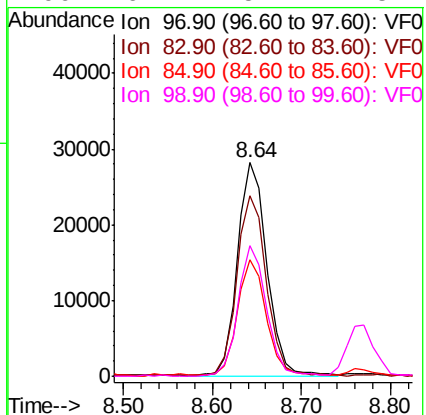
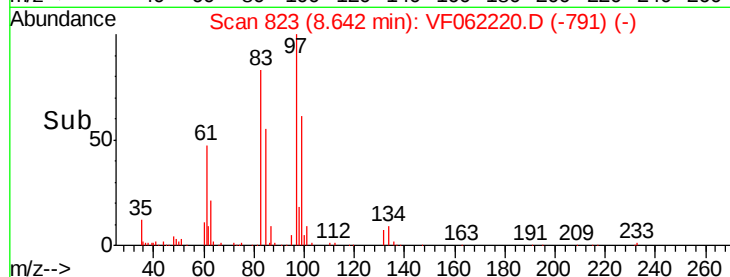
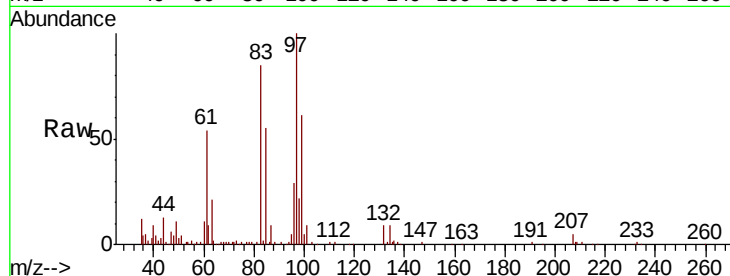
Ion Ratio Lower Upper

97 100

83 83.8 70.2 105.2

85 54.1 46.2 69.4

99 61.1 52.2 78.4



#56

Ethyl methacrylate

Concen: 18.597 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.02 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

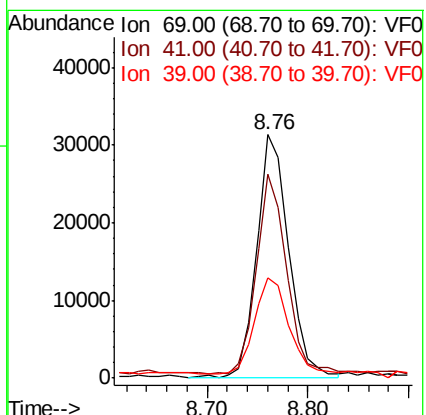
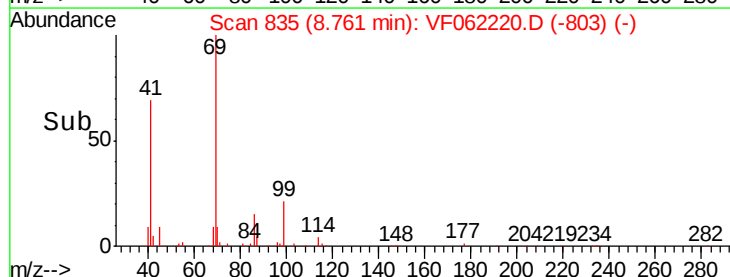
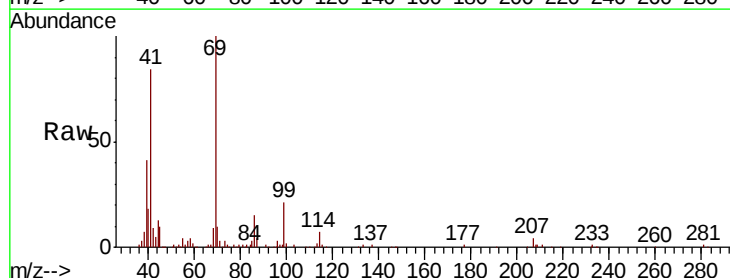
Tgt Ion: 69 Resp: 68336

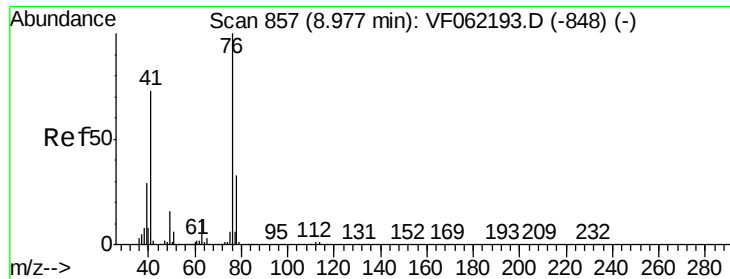
Ion Ratio Lower Upper

69 100

41 79.4 61.5 92.3

39 42.8 33.3 49.9





#57

1,3-Dichloropropane

Concen: 19.867 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.03 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Instrument :

MSVOA_F

ClientSampleId :

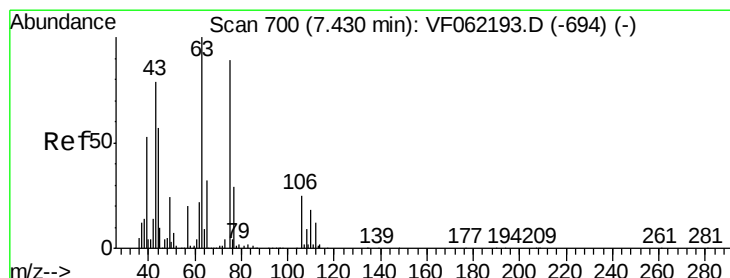
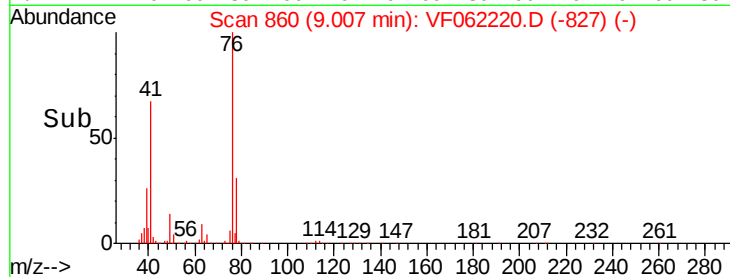
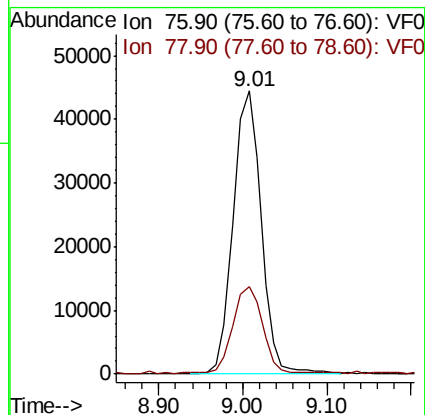
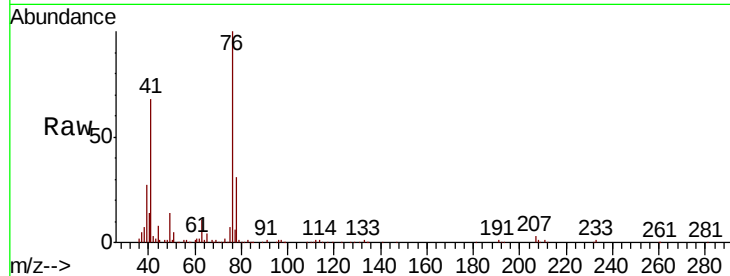
VF0419SBS01

Tgt Ion: 76 Resp: 103683

Ion Ratio Lower Upper

76 100

78 32.1 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 103.451 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.03 min

Lab File: VF062220.D

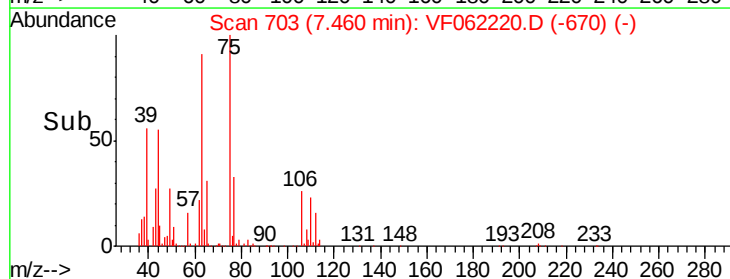
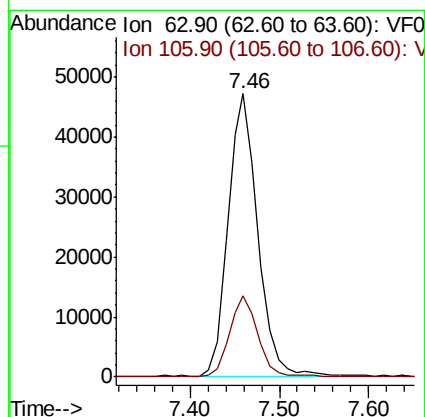
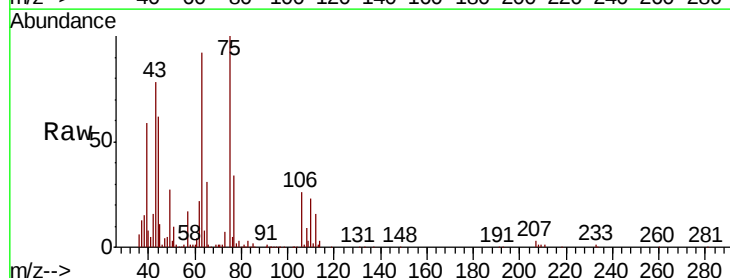
Acq: 19 Apr 2019 12:58

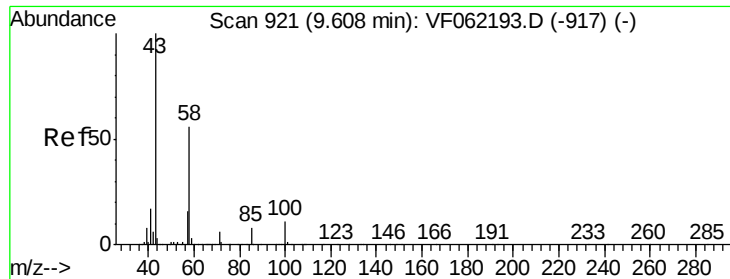
Tgt Ion: 63 Resp: 110365

Ion Ratio Lower Upper

63 100

106 27.4 21.4 32.0

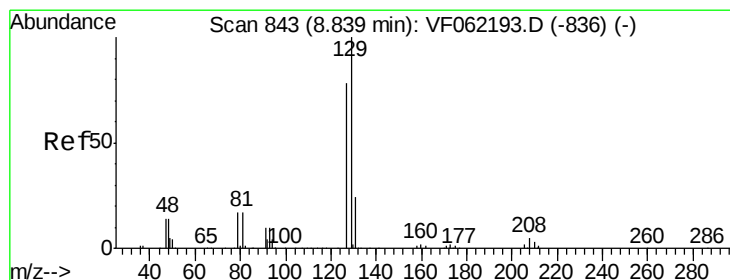
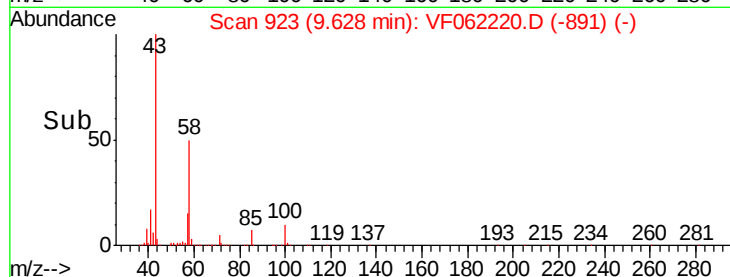
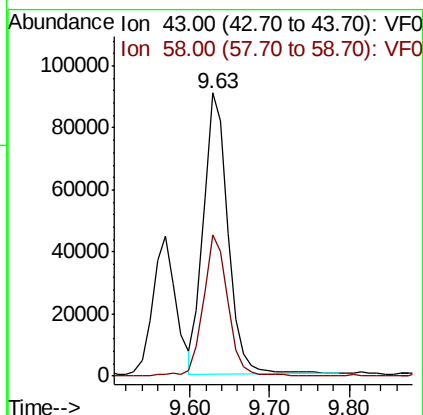
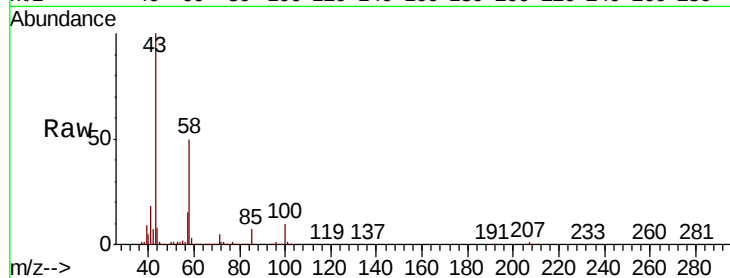




#59
2-Hexanone
Concen: 101.109 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.02 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

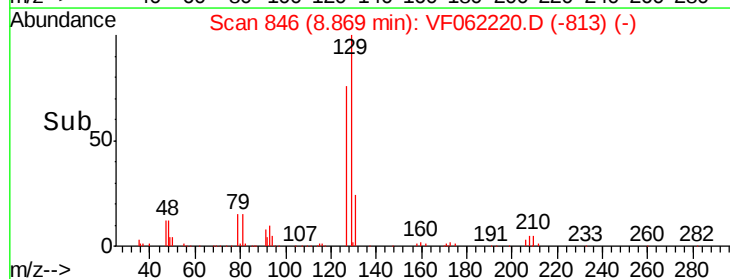
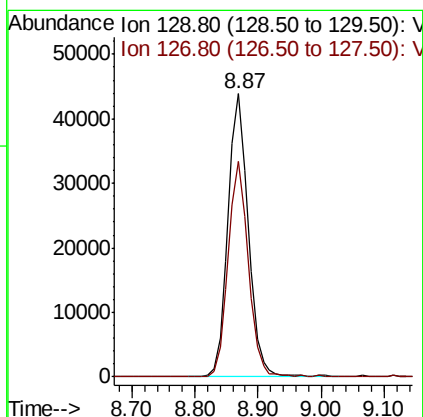
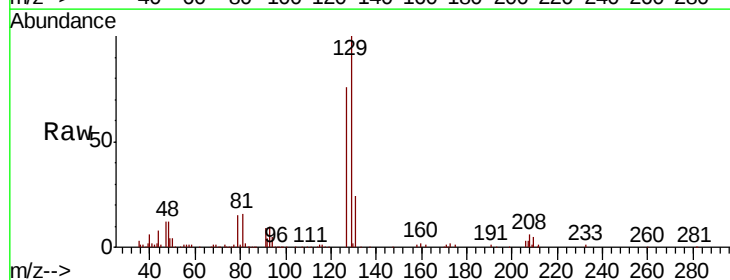
Instrument :
MSVOA_F
ClientSampleId :
VF0419SBS01

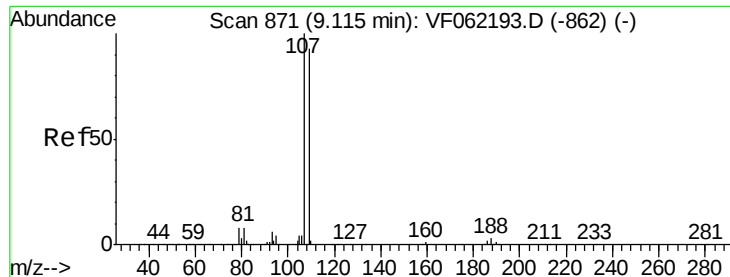
Tgt Ion: 43 Resp: 194050
Ion Ratio Lower Upper
43 100
58 51.1 24.6 74.0



#60
Dibromochloromethane
Concen: 20.382 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.03 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

Tgt Ion: 129 Resp: 97966
Ion Ratio Lower Upper
129 100
127 74.9 39.0 117.0





#61

1,2-Dibromoethane

Concen: 20.202 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.03 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Instrument :

MSVOA_F

ClientSampleId :

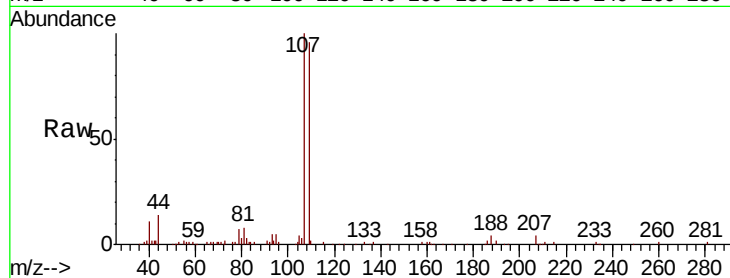
VF0419SBS01

Tgt Ion: 107 Resp: 73557

Ion Ratio Lower Upper

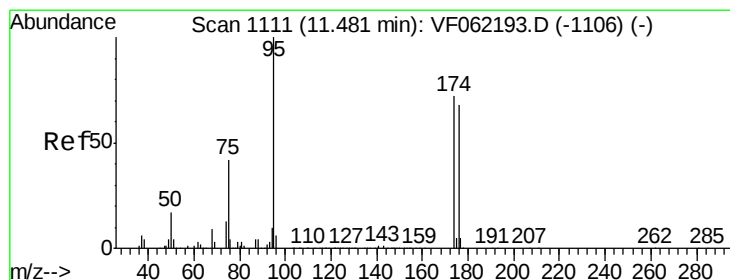
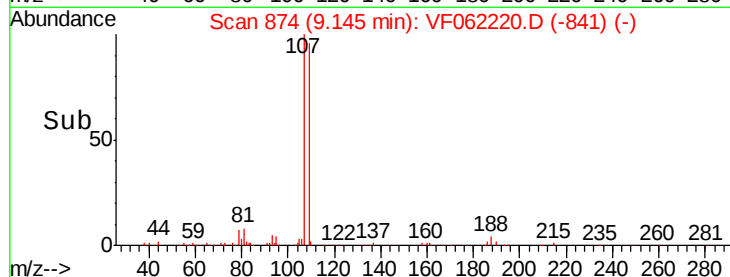
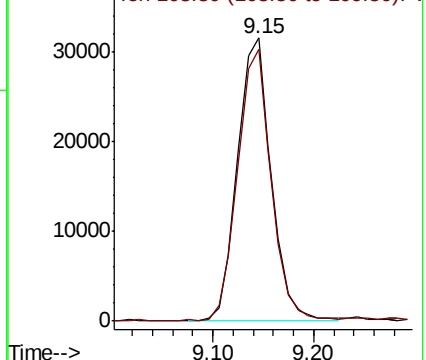
107 100

109 95.8 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: 53.050 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

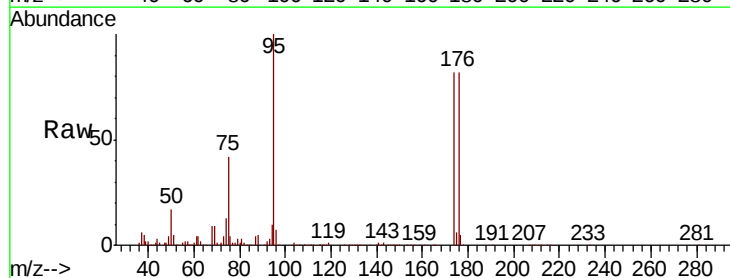
Tgt Ion: 95 Resp: 314491

Ion Ratio Lower Upper

95 100

174 85.5 0.0 159.4

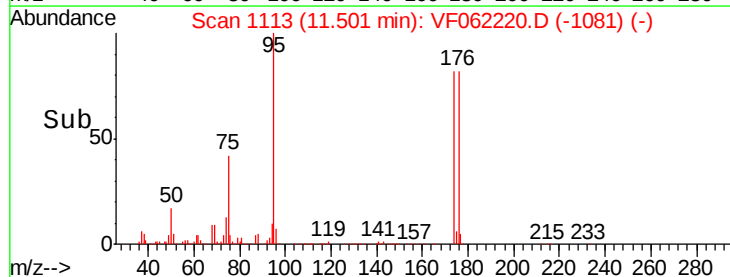
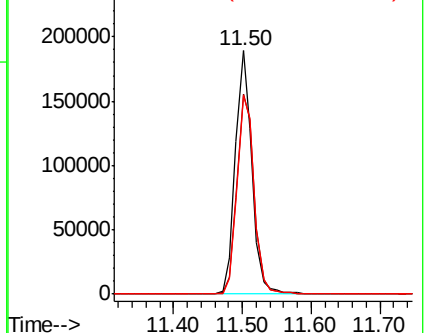
176 84.7 0.0 155.4

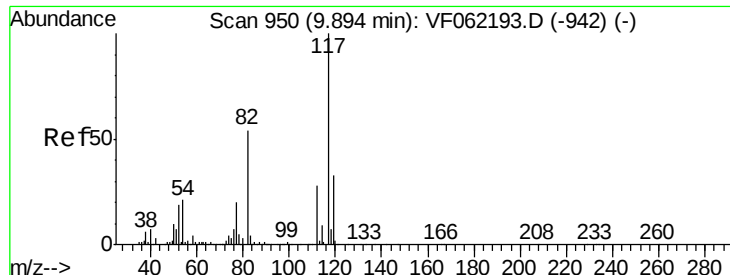


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

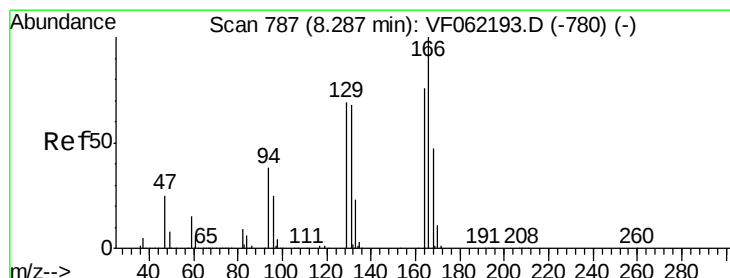
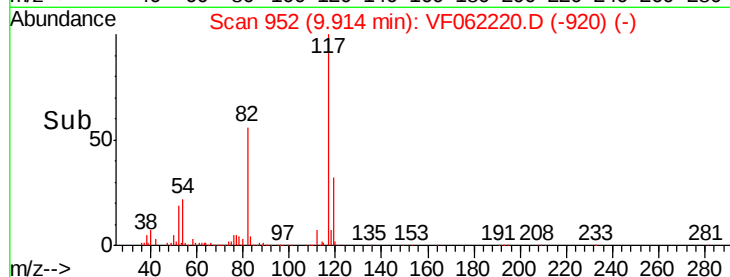
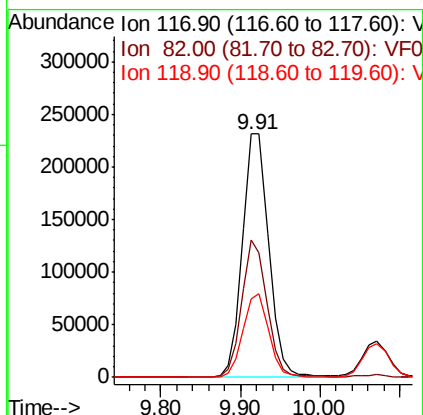
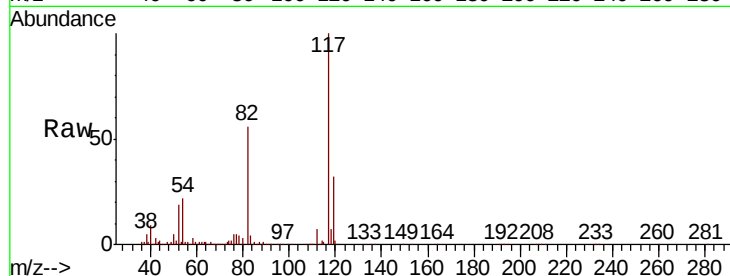




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.02 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

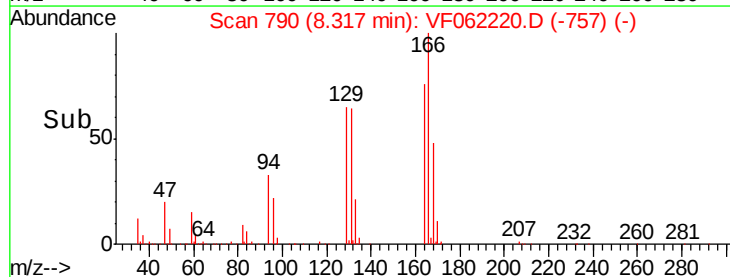
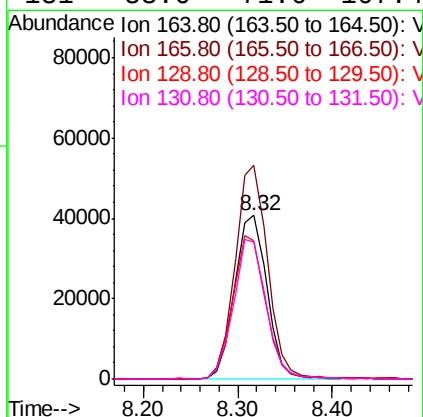
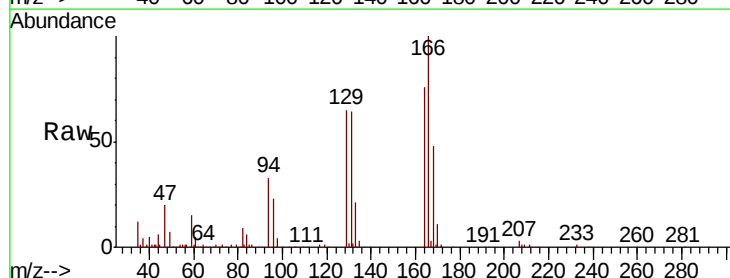
Instrument :
MSVOA_F
ClientSampleId :
VF0419SBS01

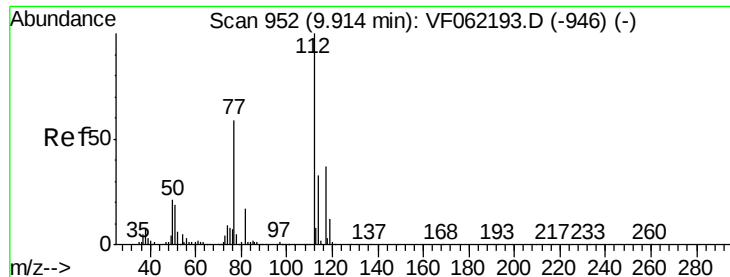
Tgt Ion:117 Resp: 530369
Ion Ratio Lower Upper
117 100
82 56.4 43.2 64.8
119 32.0 26.2 39.4



#64
Tetrachloroethene
Concen: 20.182 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.03 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

Tgt Ion:164 Resp: 96624
Ion Ratio Lower Upper
164 100
166 130.8 104.7 157.1
129 84.2 72.6 109.0
131 83.6 71.6 107.4

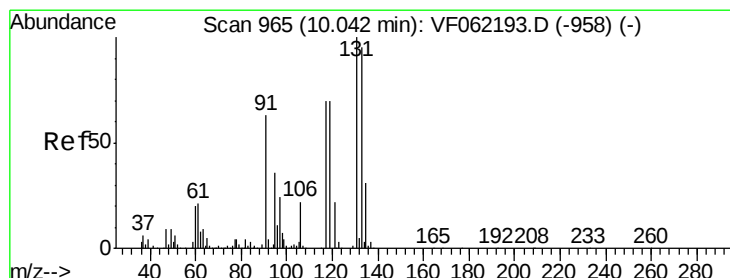
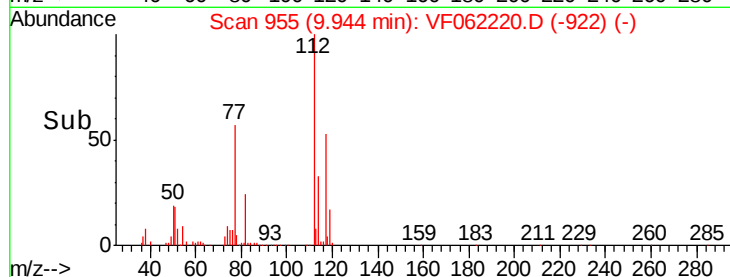
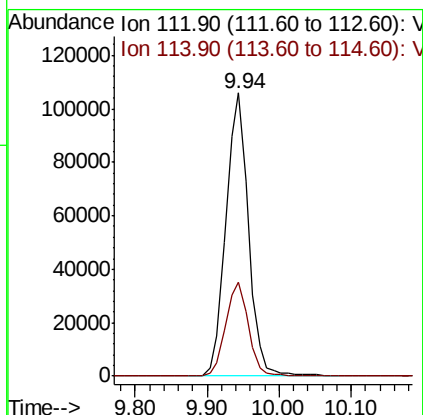
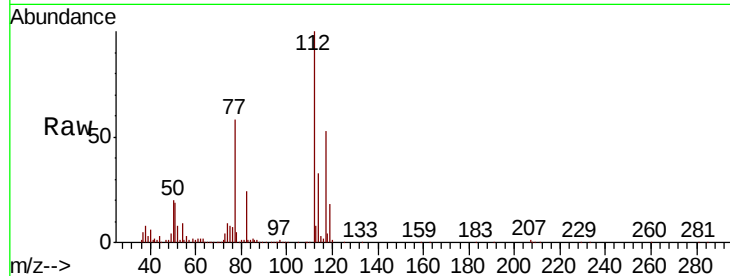




#65
Chlorobenzene
Concen: 20.372 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.03 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

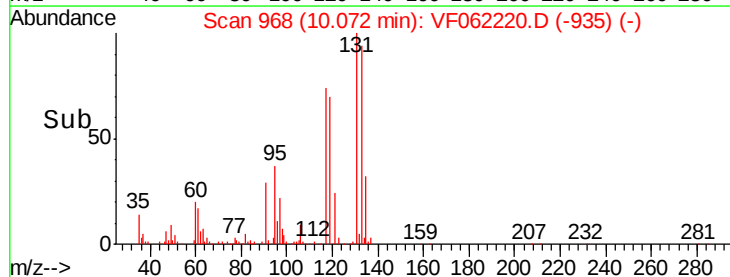
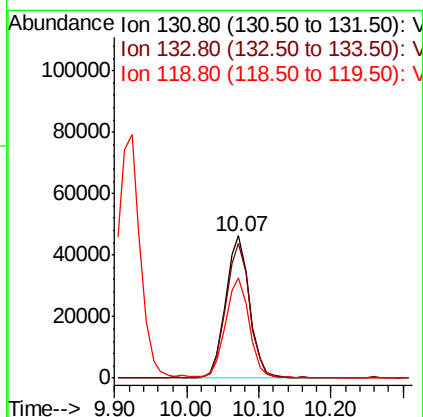
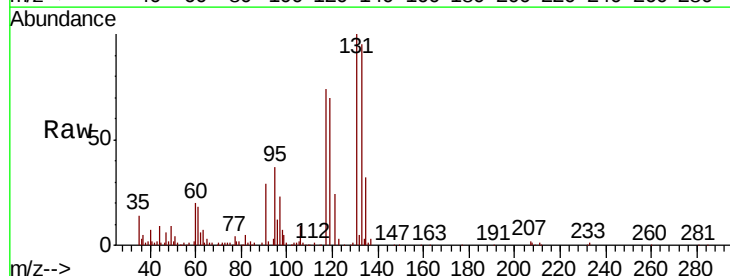
Instrument :
MSVOA_F
ClientSampleId :
VF0419SBS01

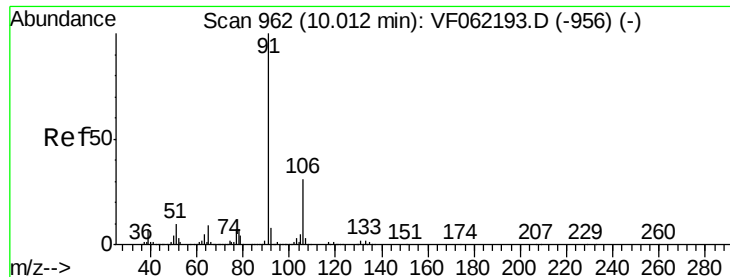
Tgt Ion:112 Resp: 230391
Ion Ratio Lower Upper
112 100
114 33.3 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 20.058 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.03 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

Tgt Ion:131 Resp: 106224
Ion Ratio Lower Upper
131 100
133 95.5 47.7 143.1
119 69.8 34.6 103.9





#67

Ethyl Benzene

Concen: 20.284 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.03 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Instrument :

MSVOA_F

ClientSampleId :

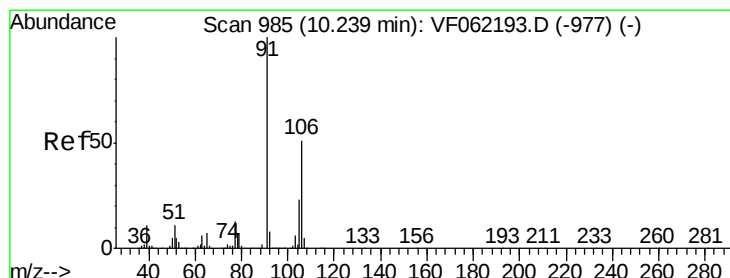
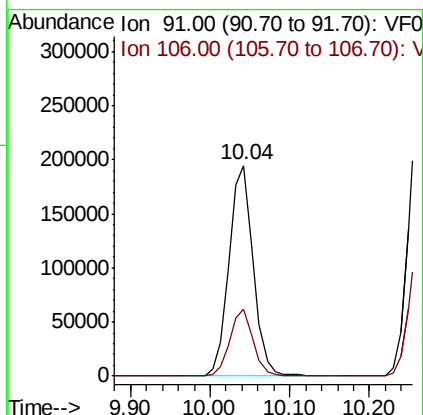
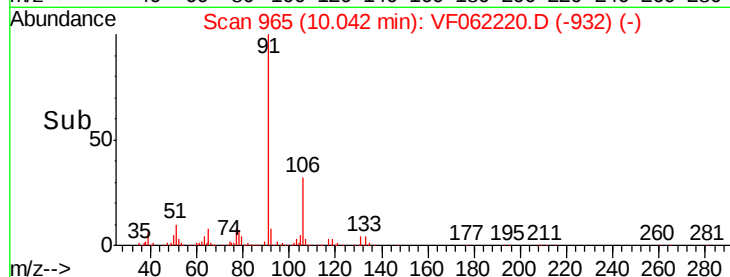
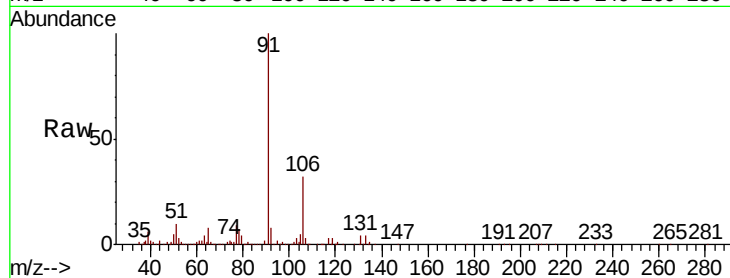
VF0419SBS01

Tgt Ion: 91 Resp: 417125

Ion Ratio Lower Upper

91 100

106 31.6 24.9 37.3



#68

m/p-Xylenes

Concen: 40.509 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.03 min

Lab File: VF062220.D

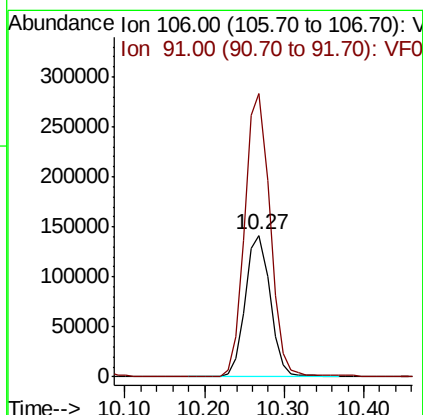
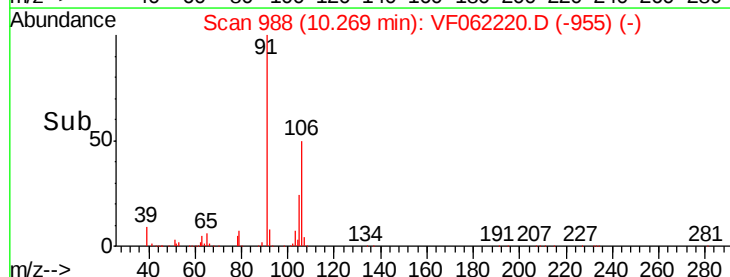
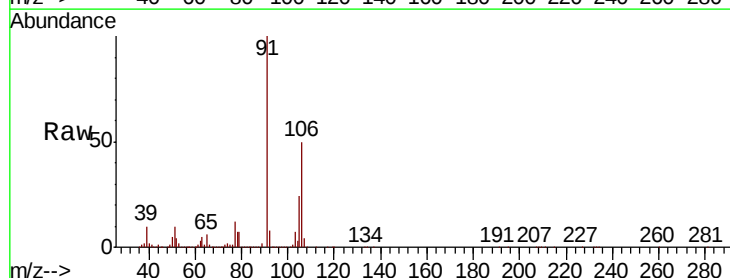
Acq: 19 Apr 2019 12:58

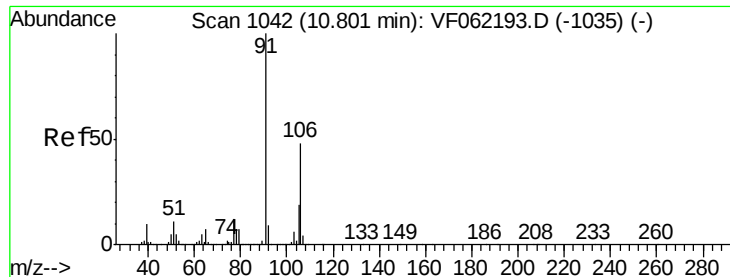
Tgt Ion: 106 Resp: 306657

Ion Ratio Lower Upper

106 100

91 202.2 159.1 238.7

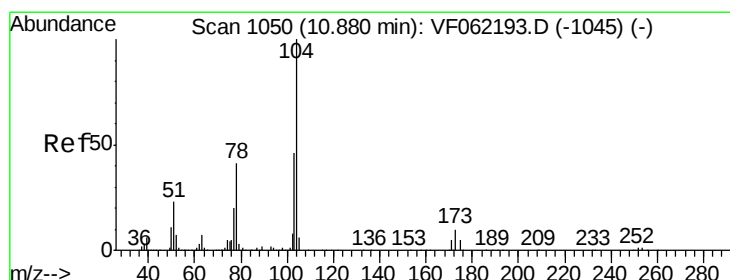
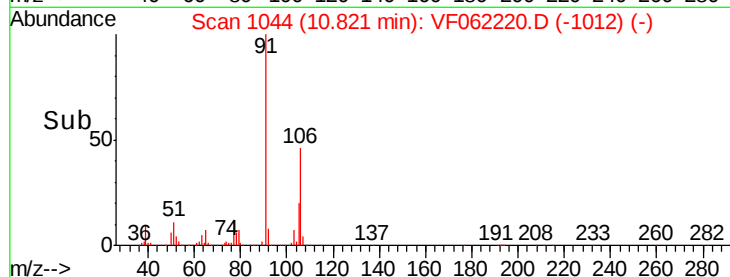
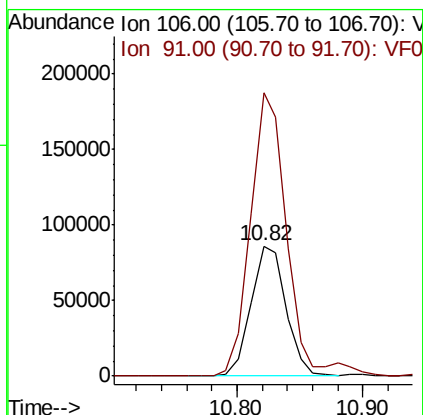
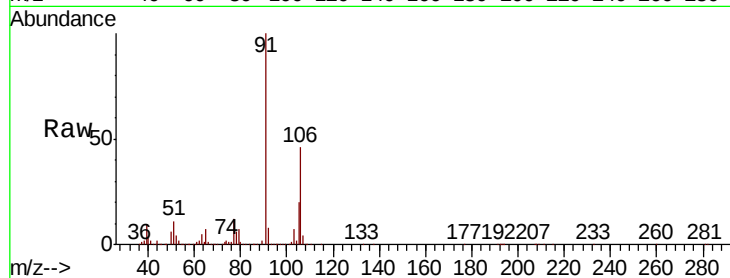




#69
o-Xylene
Concen: 19.901 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

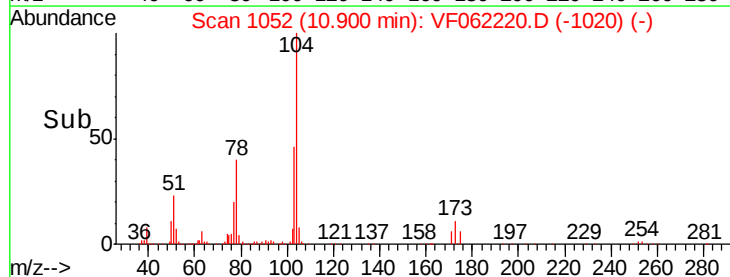
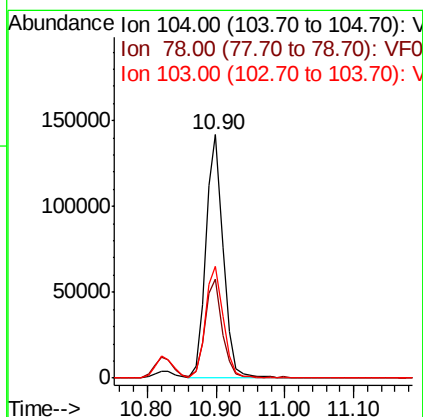
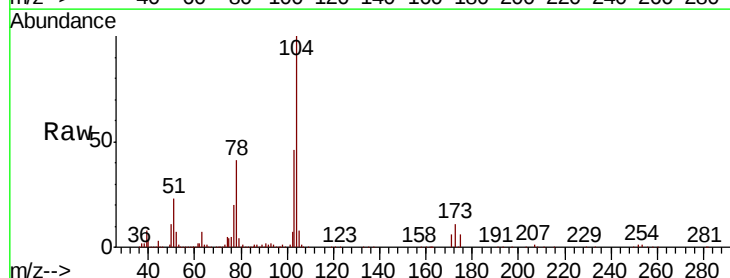
Instrument :
MSVOA_F
ClientSampleId :
VF0419SBS01

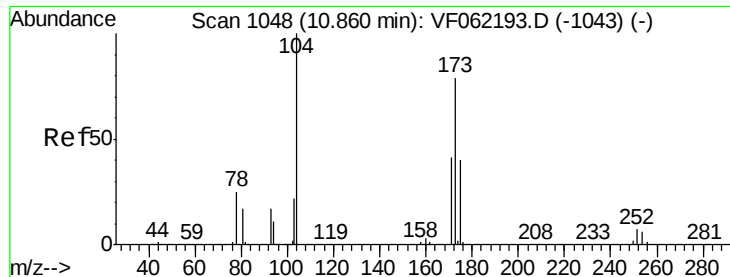
Tgt Ion:106 Resp: 167269
Ion Ratio Lower Upper
106 100
91 217.8 107.5 322.4



#70
Styrene
Concen: 20.893 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.02 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

Tgt Ion:104 Resp: 247816
Ion Ratio Lower Upper
104 100
78 40.1 34.5 51.7
103 47.5 37.2 55.8





#71

Bromoform

Concen: 21.473 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.03 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Instrument :

MSVOA_F

ClientSampleId :

VF0419SBS01

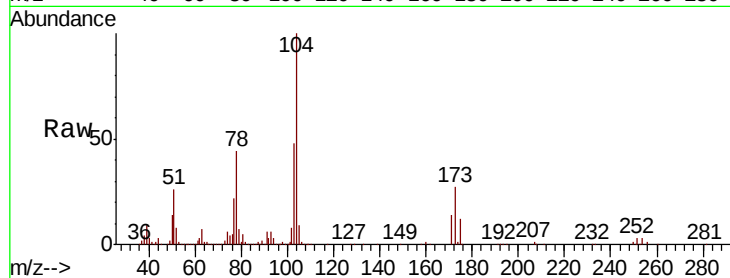
Tgt Ion:173 Resp: 60041

Ion Ratio Lower Upper

173 100

175 47.3 24.5 73.5

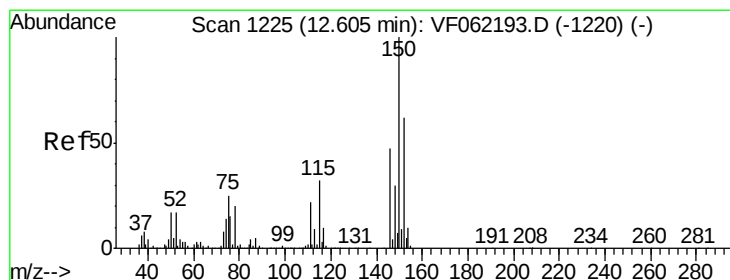
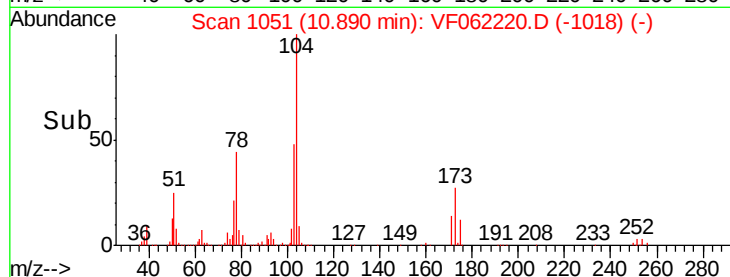
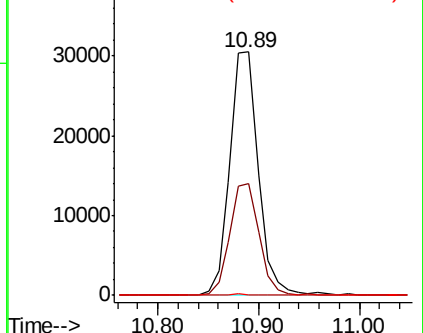
254 0.2 0.1 0.1#



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# 1226

Delta R.T. 0.01 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

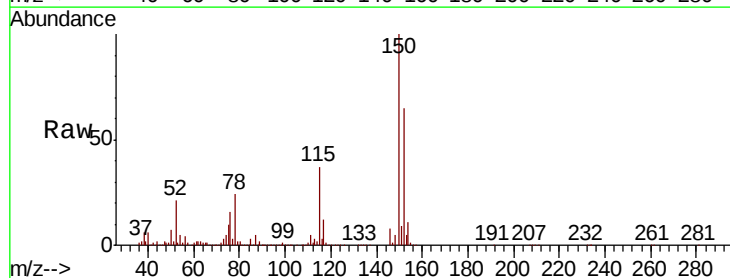
Tgt Ion:152 Resp: 293634

Ion Ratio Lower Upper

152 100

115 54.0 27.8 83.3

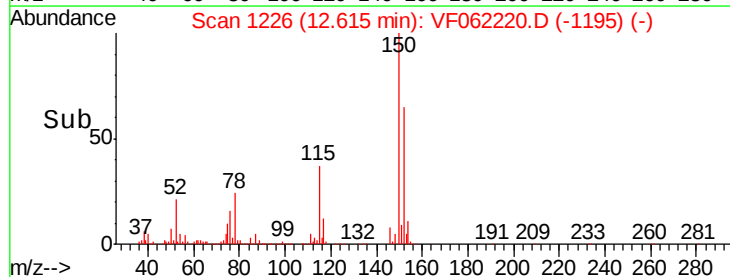
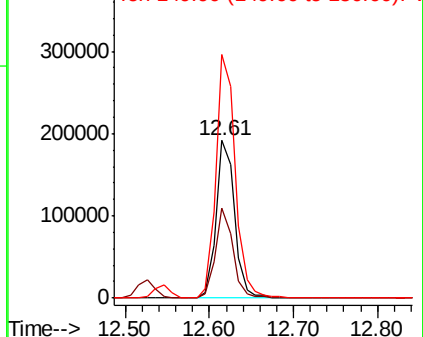
150 160.2 0.0 341.8

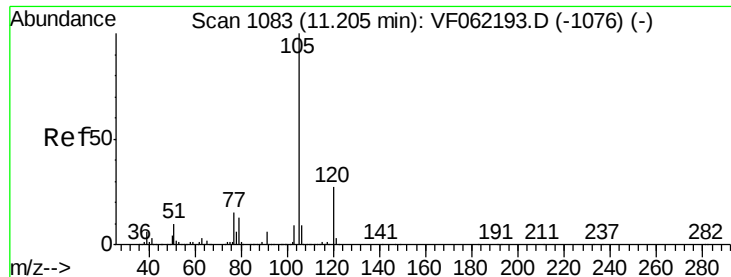


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.735 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Instrument :

MSVOA_F

ClientSampleId :

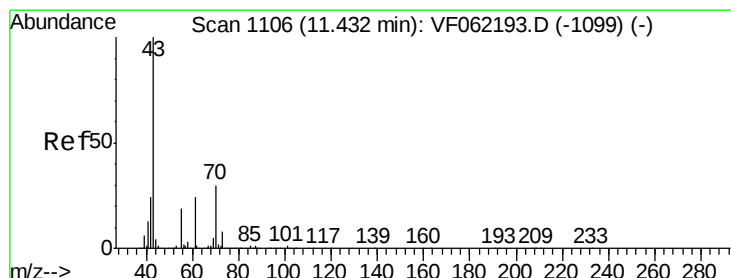
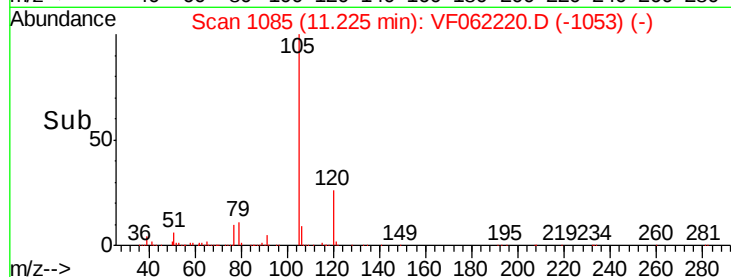
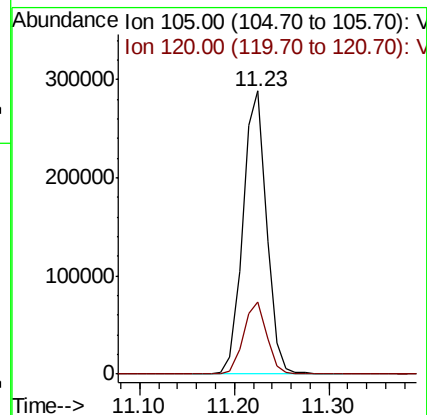
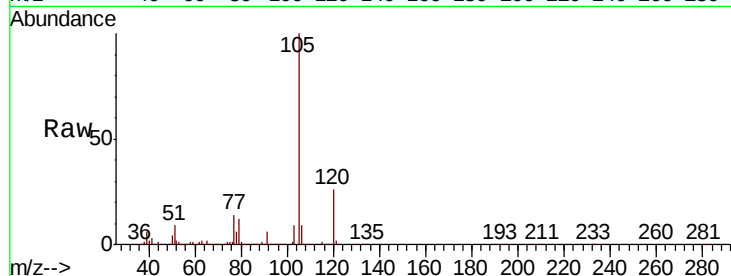
VF0419SBS01

Tgt Ion:105 Resp: 497772

Ion Ratio Lower Upper

105 100

120 25.1 13.0 38.9



#74

N-ethyl acetate

Concen: 18.590 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.02 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Tgt Ion: 43 Resp: 119516

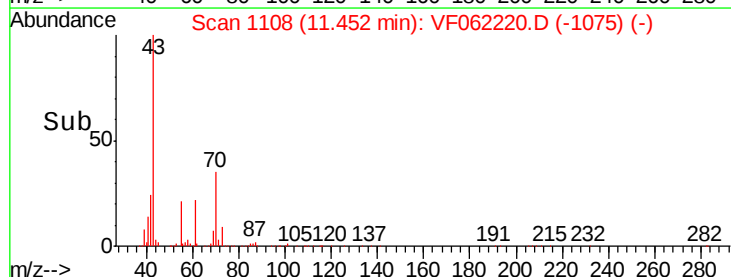
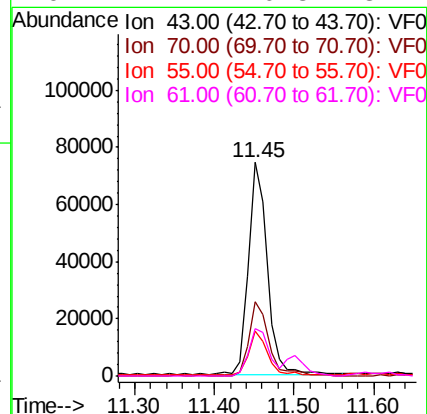
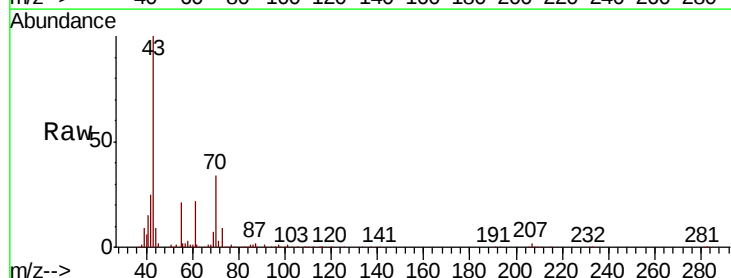
Ion Ratio Lower Upper

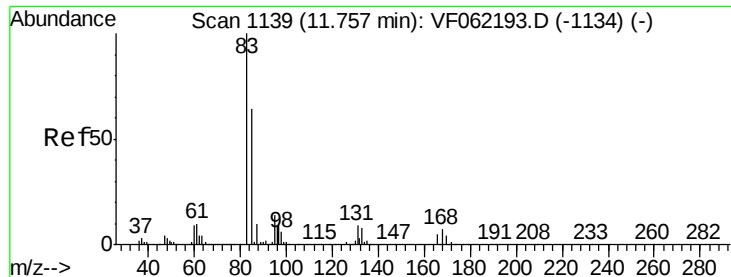
43 100

70 36.9 27.0 40.4

55 21.1 15.7 23.5

61 24.4 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.210 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.02 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Instrument :

MSVOA_F

ClientSampleId :

VF0419SBS01

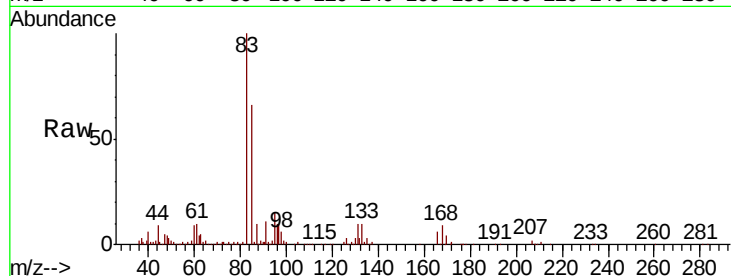
Tgt Ion: 83 Resp: 87668

Ion Ratio Lower Upper

83 100

131 9.9 4.5 13.5

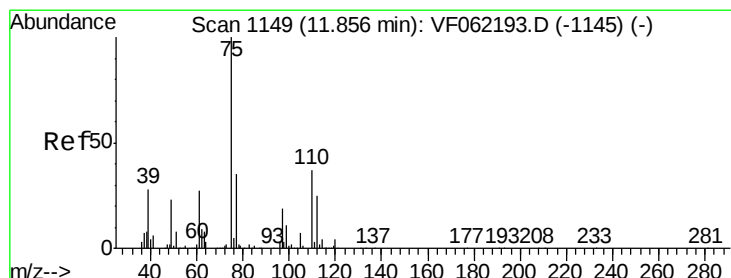
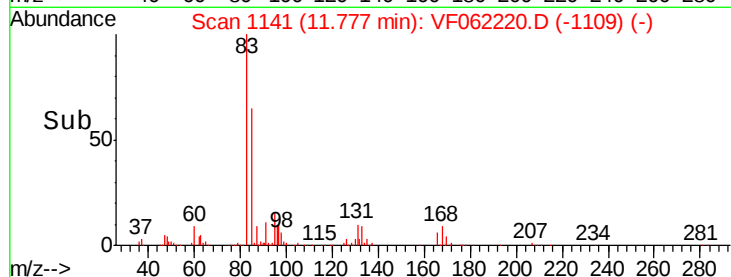
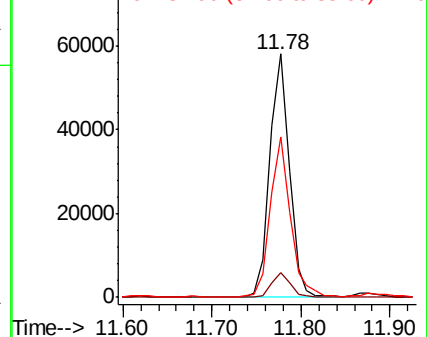
85 67.9 34.7 104.1



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 12.039 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. 0.09 min

Lab File: VF062220.D

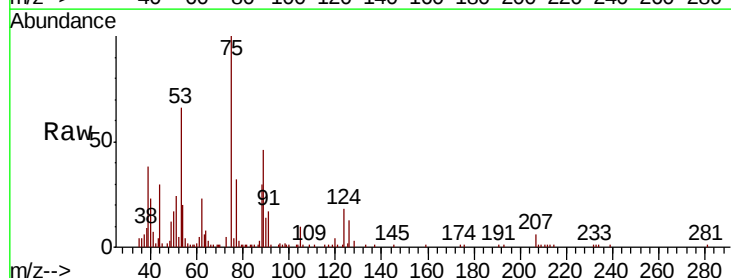
Acq: 19 Apr 2019 12:58

Tgt Ion: 75 Resp: 35929

Ion Ratio Lower Upper

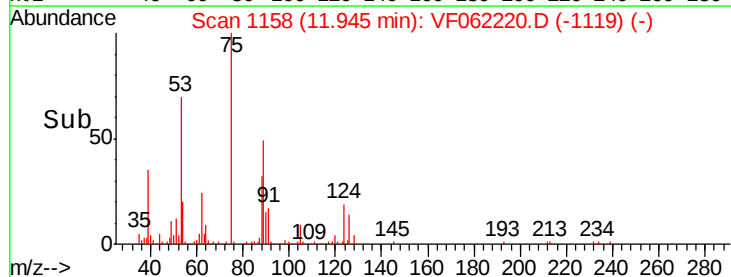
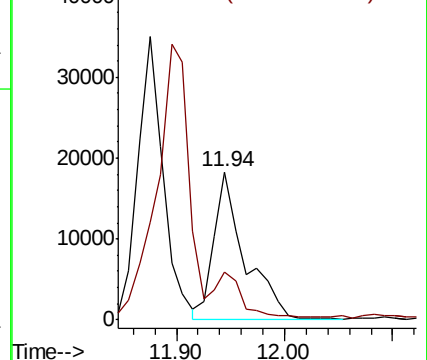
75 100

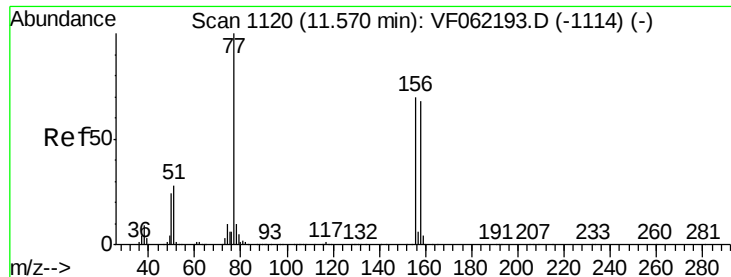
77 20.7 7.4 22.2



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.733 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Instrument :

MSVOA_F

ClientSampleId :

VF0419SBS01

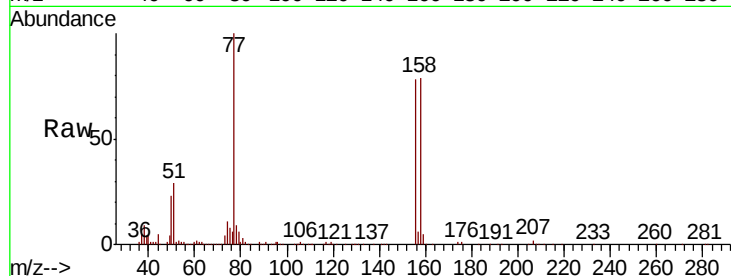
Tgt Ion: 156 Resp: 112029

Ion Ratio Lower Upper

156 100

77 149.2 80.9 242.7

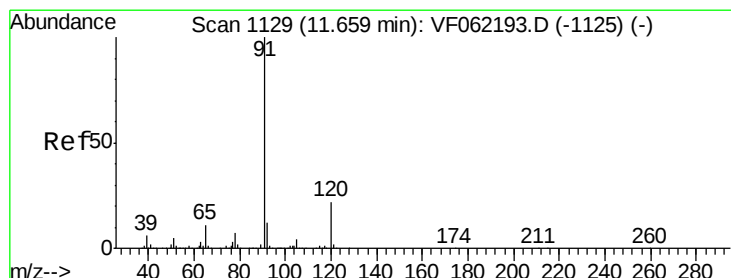
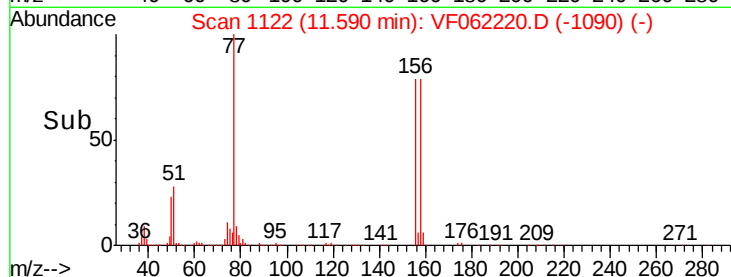
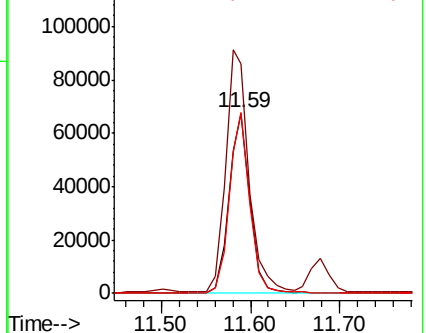
158 97.6 49.8 149.4



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: 19.850 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.02 min

Lab File: VF062220.D

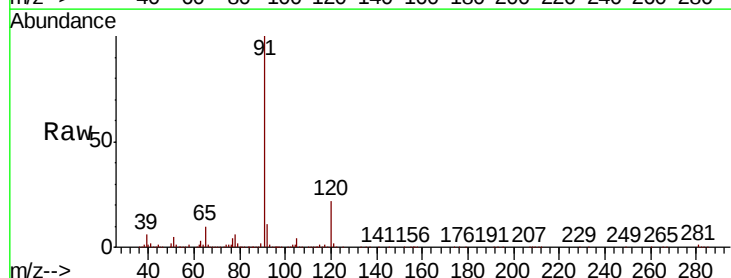
Acq: 19 Apr 2019 12:58

Tgt Ion: 91 Resp: 528185

Ion Ratio Lower Upper

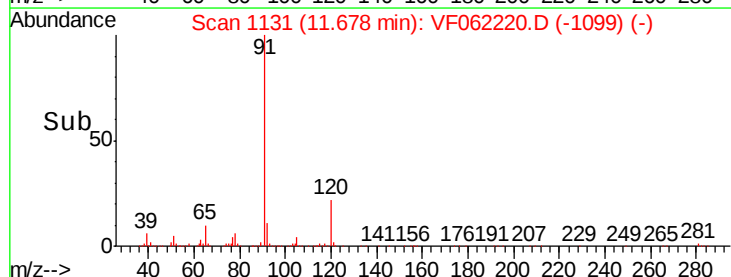
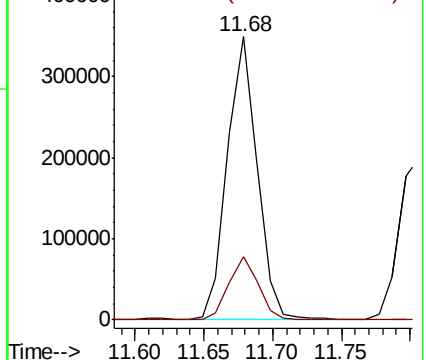
91 100

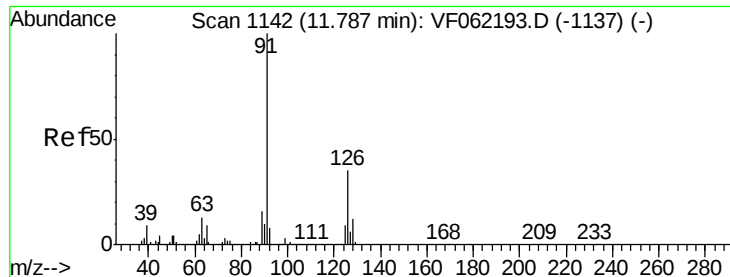
120 22.3 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.153 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.02 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Instrument :

MSVOA_F

ClientSampleId :

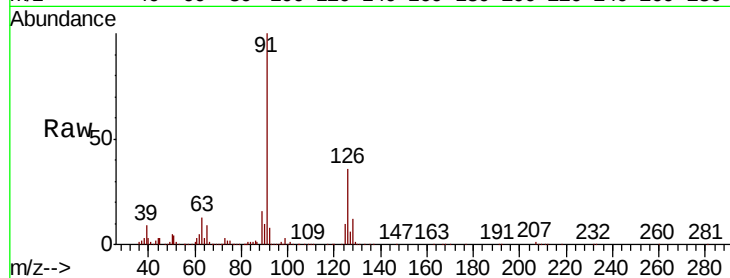
VF0419SBS01

Tgt Ion: 91 Resp: 325287

Ion Ratio Lower Upper

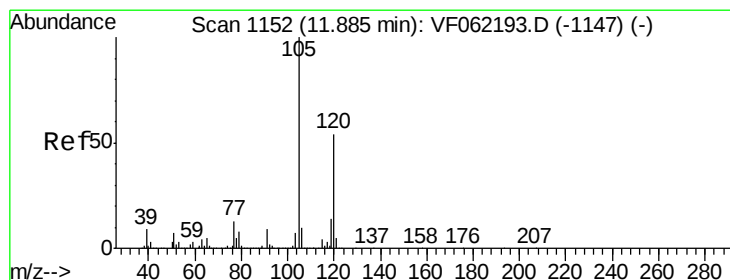
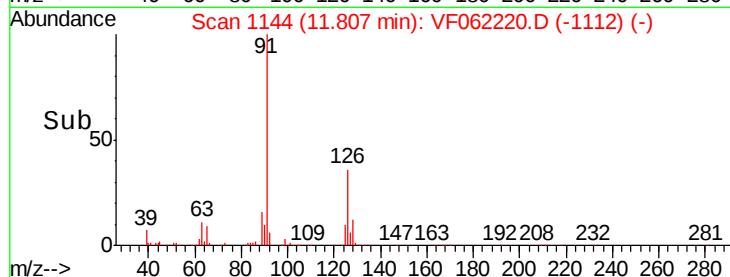
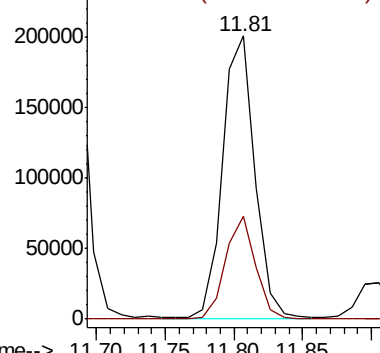
91 100

126 34.6 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.004 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.02 min

Lab File: VF062220.D

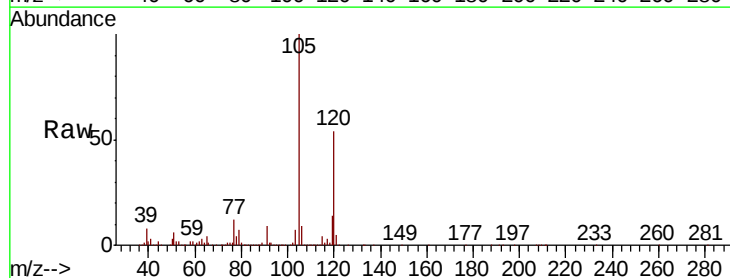
Acq: 19 Apr 2019 12:58

Tgt Ion: 105 Resp: 420240

Ion Ratio Lower Upper

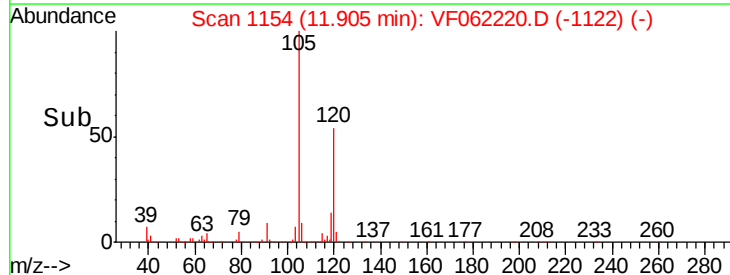
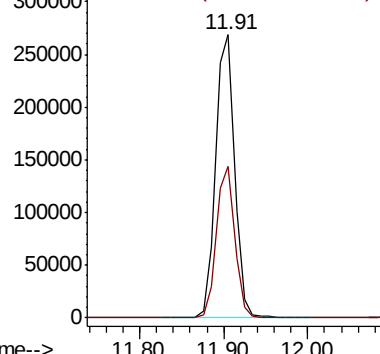
105 100

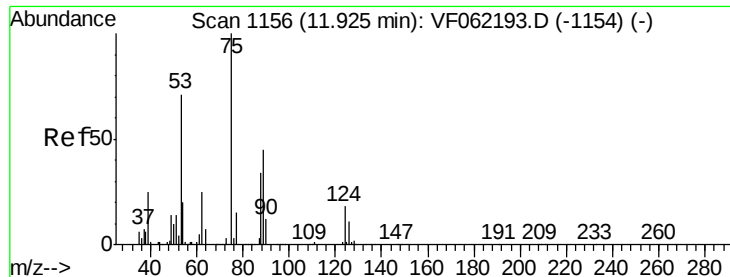
120 52.3 26.2 78.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 23.606 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. 0.02 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Instrument :

MSVOA_F

ClientSampleId :

VF0419SBS01

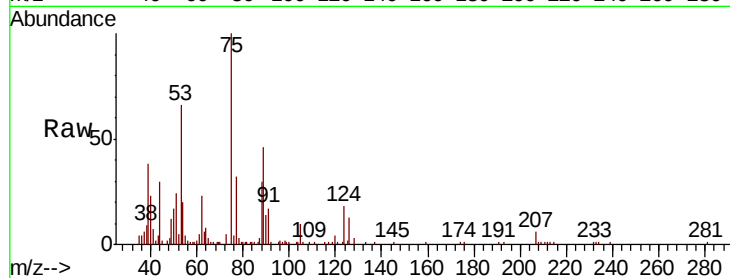
Tgt Ion: 75 Resp: 35929

Ion Ratio Lower Upper

75 100

53 51.1 50.2 75.4

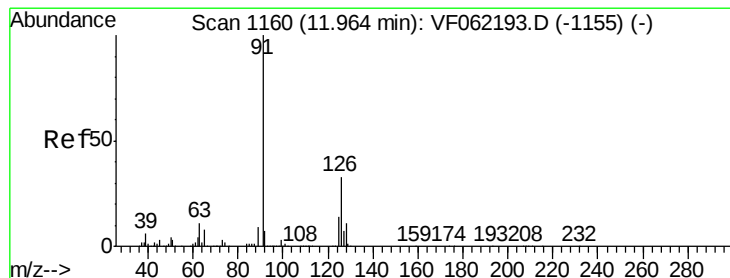
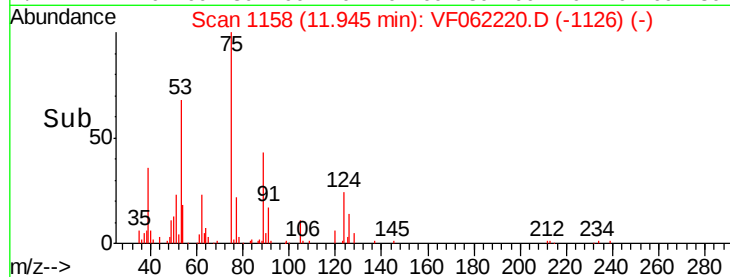
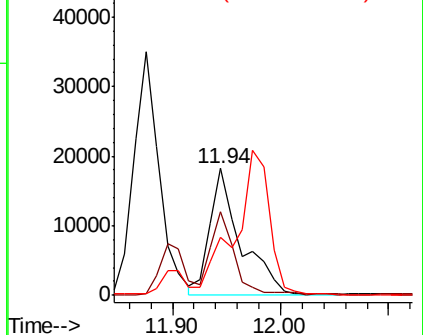
89 0.0 0.0 0.0



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: 19.987 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF062220.D

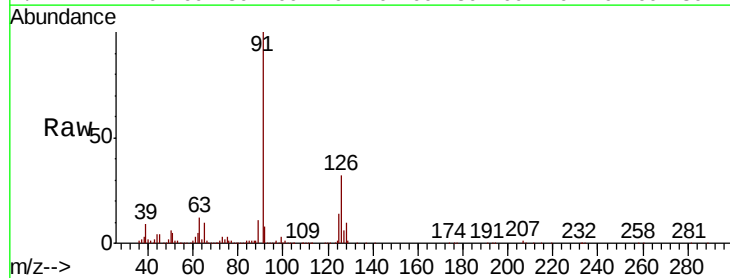
Acq: 19 Apr 2019 12:58

Tgt Ion: 91 Resp: 311766

Ion Ratio Lower Upper

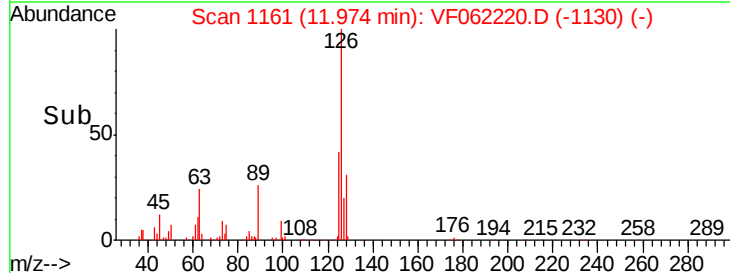
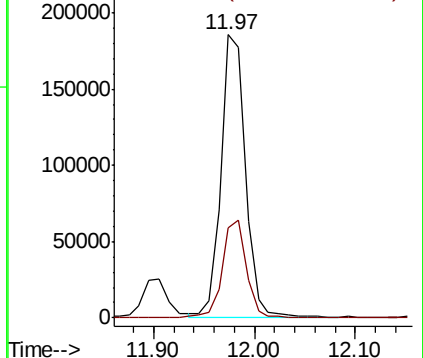
91 100

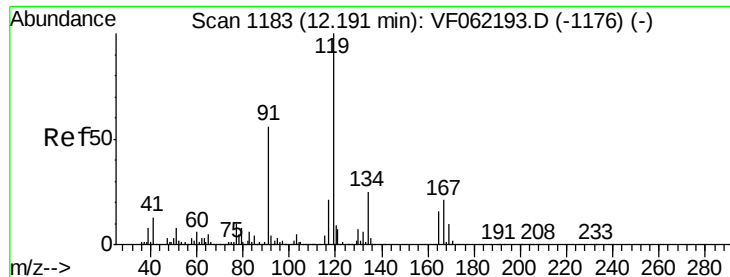
126 34.8 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

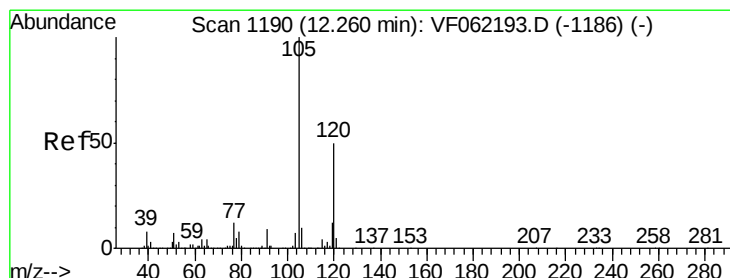
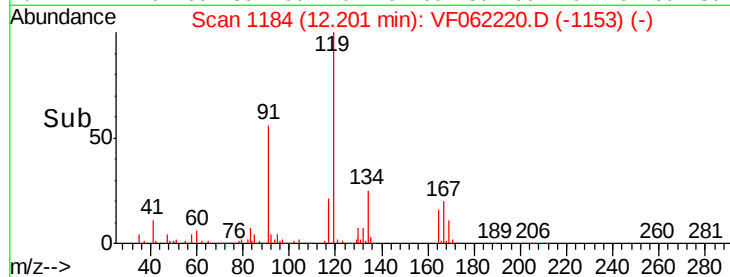
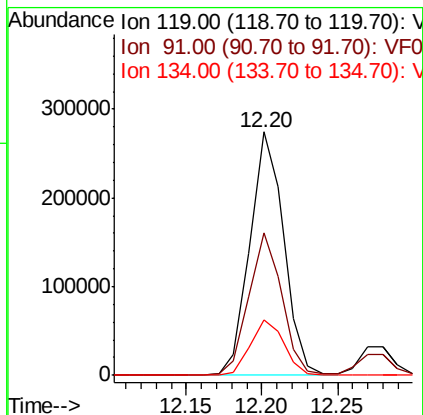
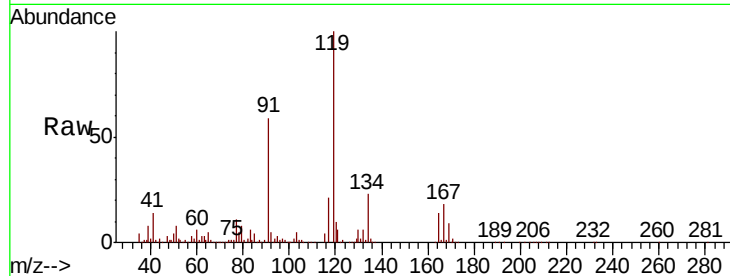




#83
 tert-Butylbenzene
 Concen: 19.823 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF062220.D
 Acq: 19 Apr 2019 12:58

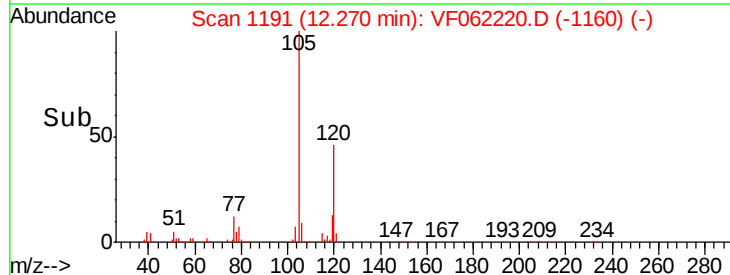
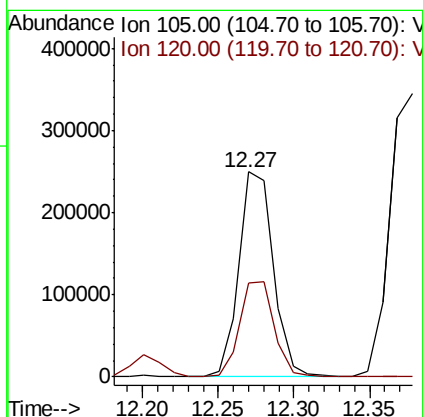
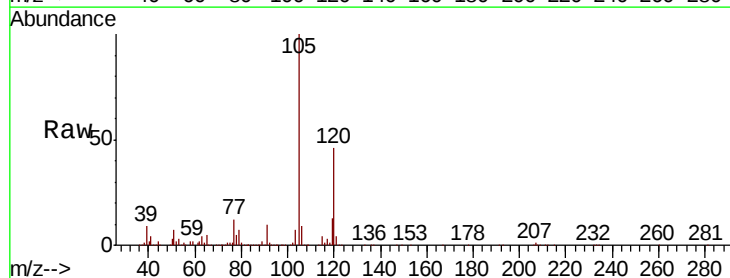
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0419SBS01

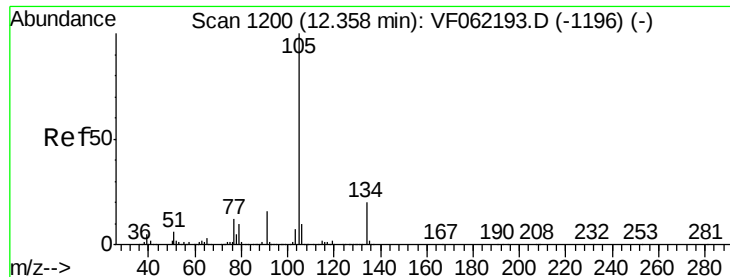
Tgt Ion:119 Resp: 430647
 Ion Ratio Lower Upper
 119 100
 91 56.5 29.4 88.2
 134 22.8 11.8 35.3



#84
 1,2,4-Trimethylbenzene
 Concen: 19.347 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VF062220.D
 Acq: 19 Apr 2019 12:58

Tgt Ion:105 Resp: 393319
 Ion Ratio Lower Upper
 105 100
 120 47.1 24.0 72.0

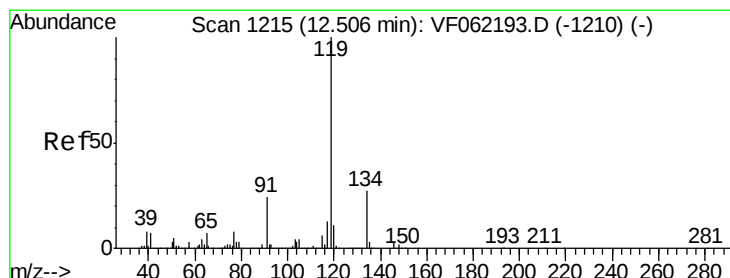
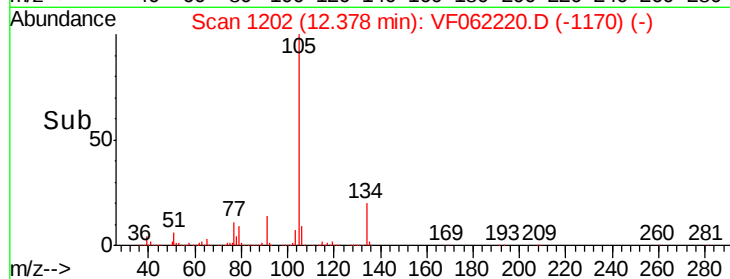
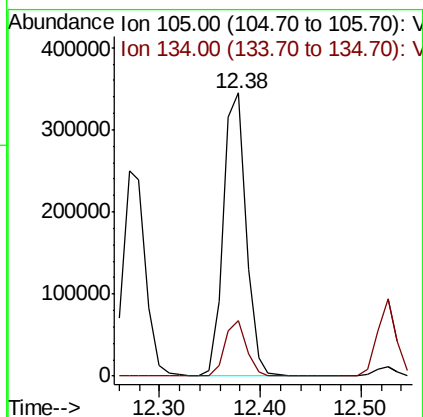
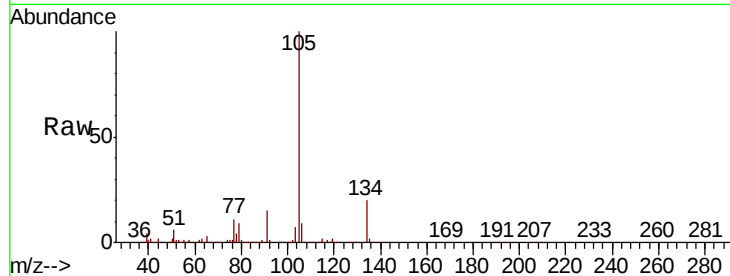




#85
 sec-Butylbenzene
 Concen: 19.229 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. 0.02 min
 Lab File: VF062220.D
 Acq: 19 Apr 2019 12:58

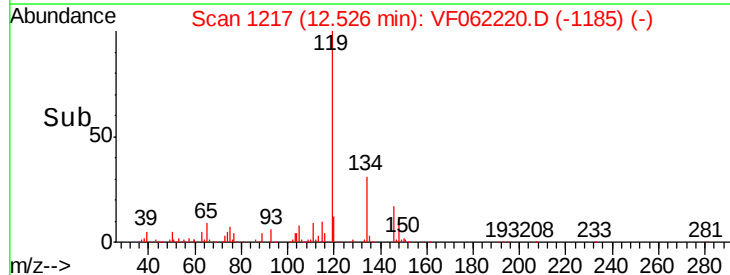
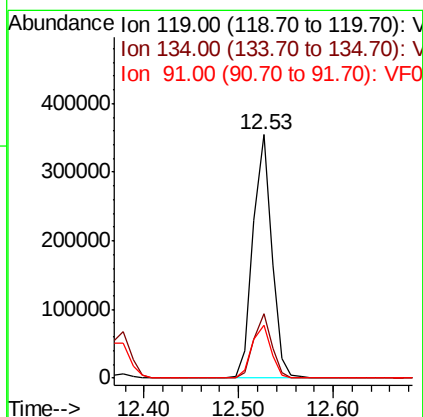
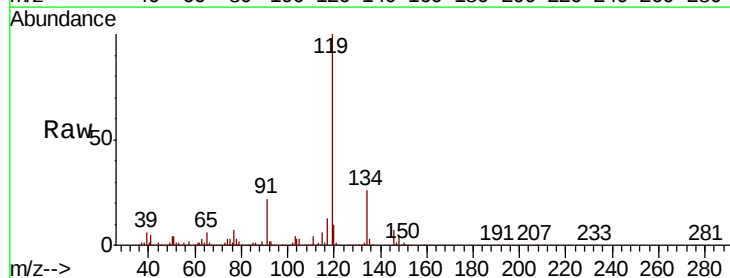
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0419SBS01

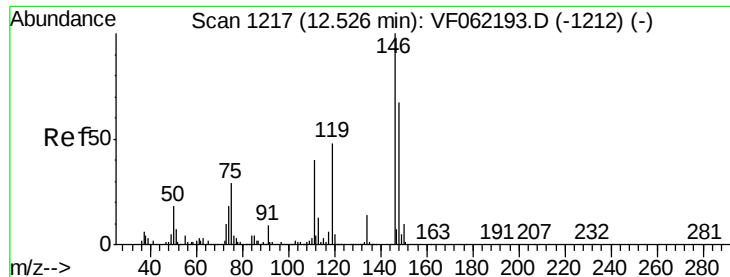
Tgt Ion:105 Resp: 542360
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 20.461 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.02 min
 Lab File: VF062220.D
 Acq: 19 Apr 2019 12:58

Tgt Ion:119 Resp: 489529
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.2 39.5
 91 22.0 11.7 35.1

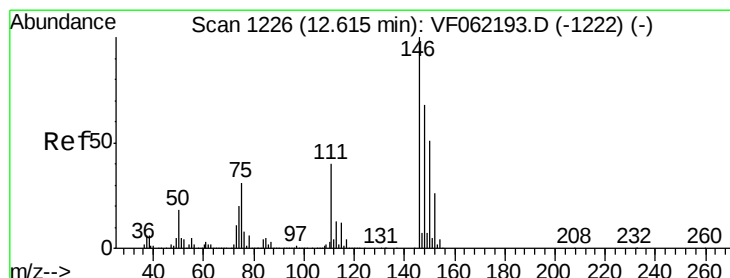
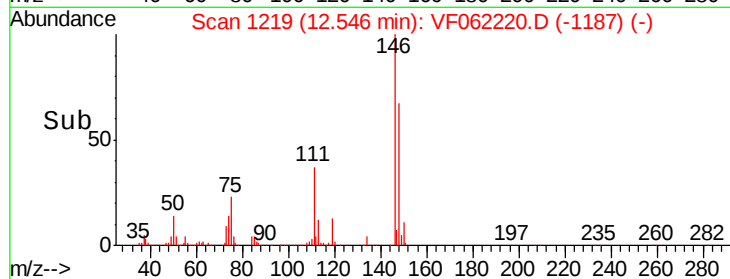
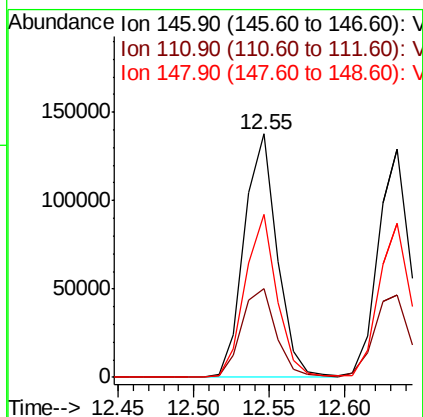
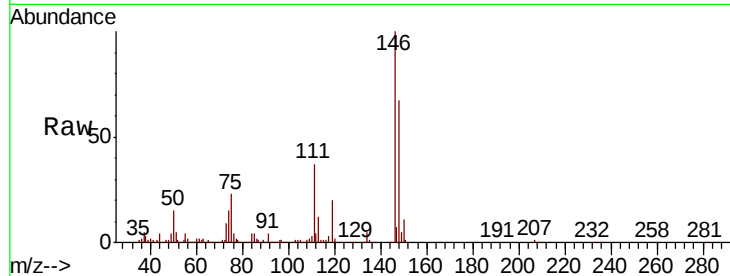




#87
 1,3-Dichlorobenzene
 Concen: 20.895 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.02 min
 Lab File: VF062220.D
 Acq: 19 Apr 2019 12:58

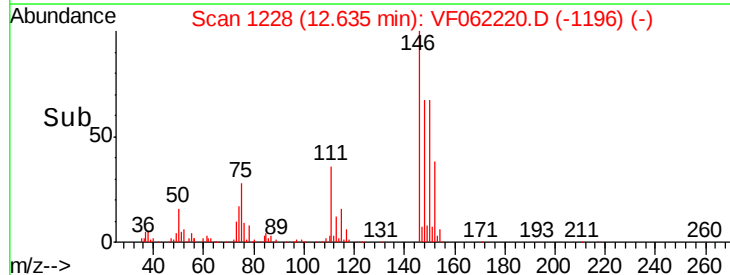
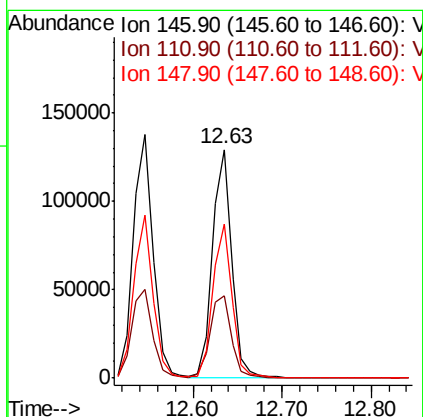
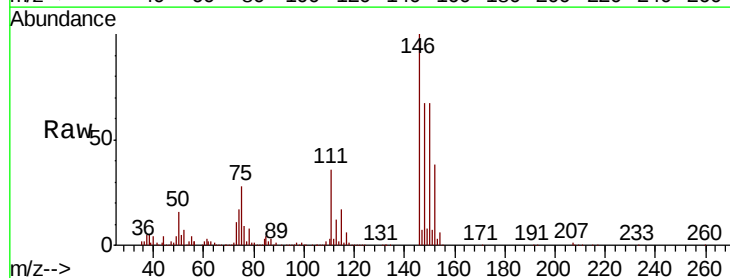
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0419SBS01

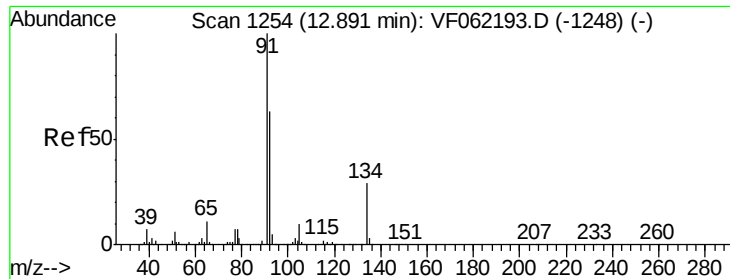
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.7	59.0
148	64.9	32.9	98.6



#88
 1,4-Dichlorobenzene
 Concen: 20.128 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. 0.02 min
 Lab File: VF062220.D
 Acq: 19 Apr 2019 12:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.0	60.0
148	66.7	33.6	100.8





#89

n-Butylbenzene

Concen: 20.308 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Instrument :

MSVOA_F

ClientSampleId :

VF0419SBS01

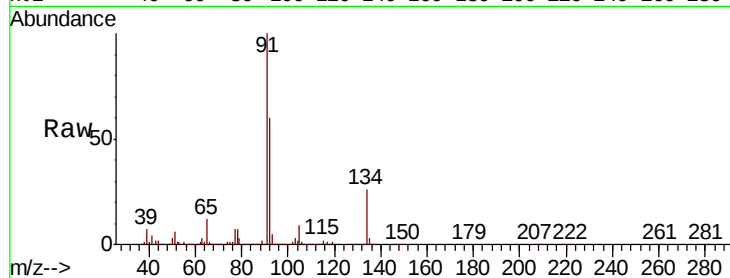
Tgt Ion: 91 Resp: 460236

Ion Ratio Lower Upper

91 100

92 60.1 31.2 93.6

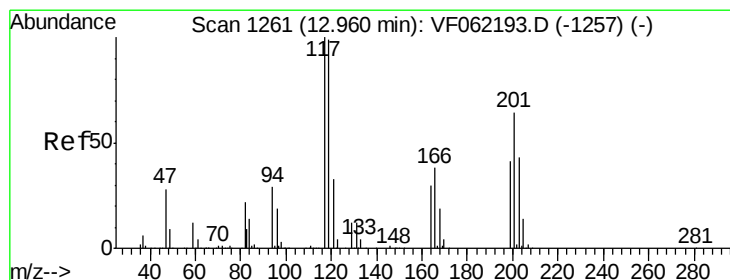
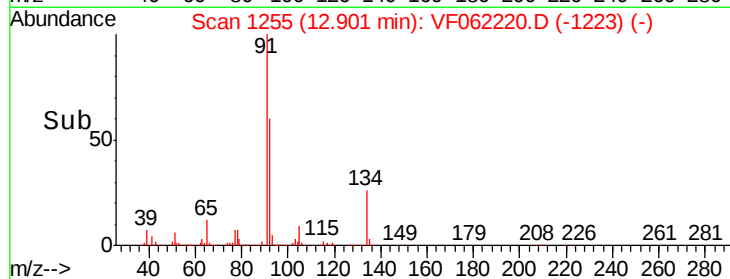
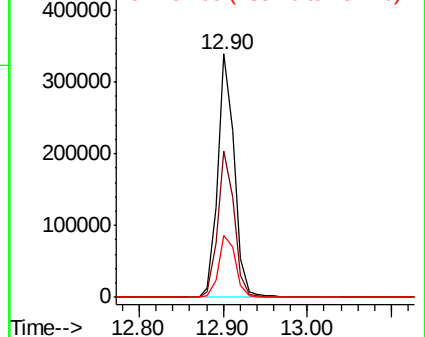
134 26.2 13.1 39.1



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: 19.302 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.02 min

Lab File: VF062220.D

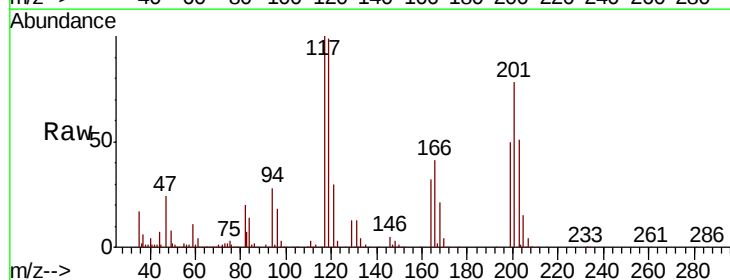
Acq: 19 Apr 2019 12:58

Tgt Ion: 117 Resp: 118587

Ion Ratio Lower Upper

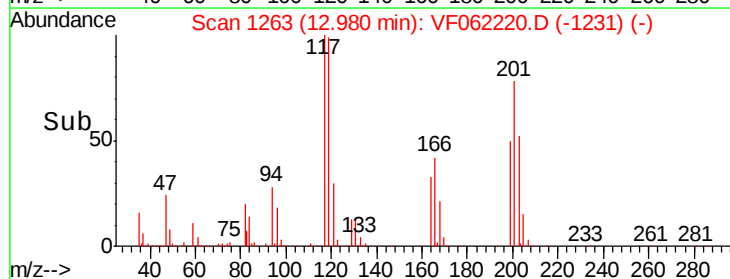
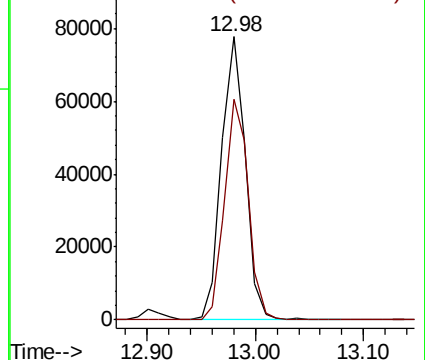
117 100

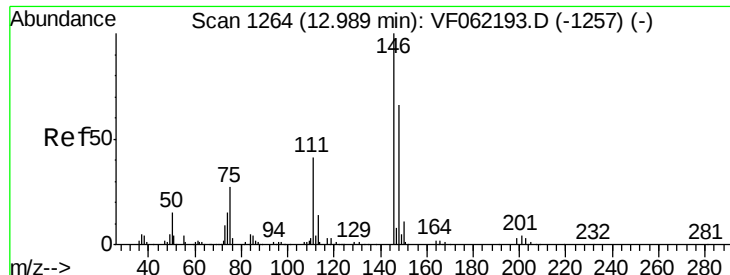
201 78.3 37.7 113.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.551 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

Instrument :

MSVOA_F

ClientSampleId :

VF0419SBS01

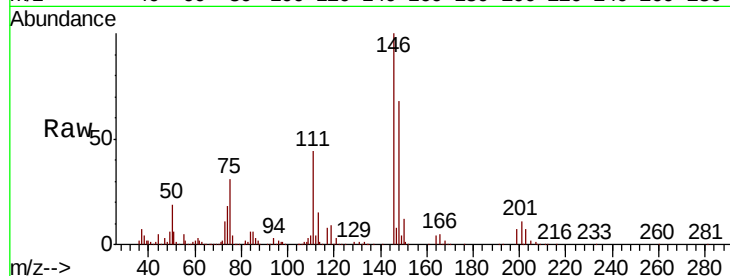
Tgt Ion:146 Resp: 198971

Ion Ratio Lower Upper

146 100

111 40.7 20.8 62.5

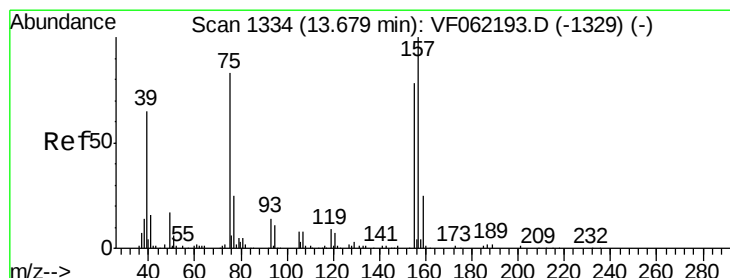
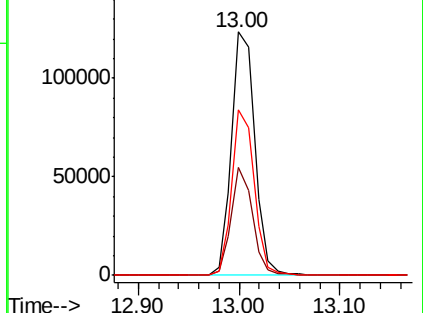
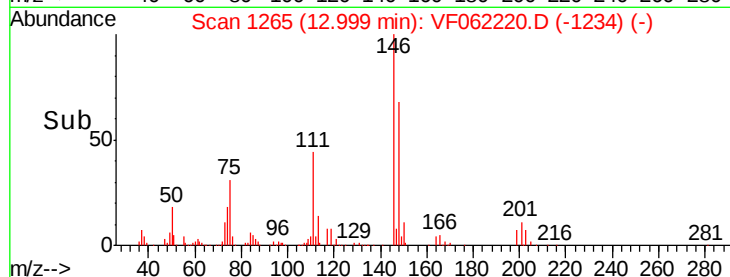
148 65.6 33.0 99.0



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: 19.512 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VF062220.D

Acq: 19 Apr 2019 12:58

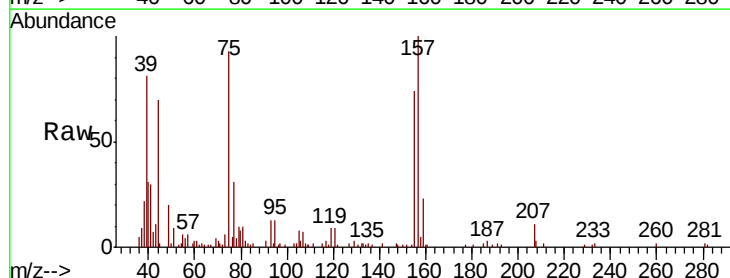
Tgt Ion: 75 Resp: 16629

Ion Ratio Lower Upper

75 100

155 100.9 47.6 142.8

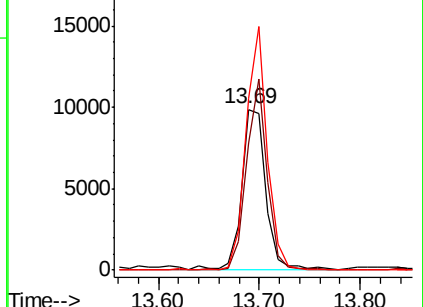
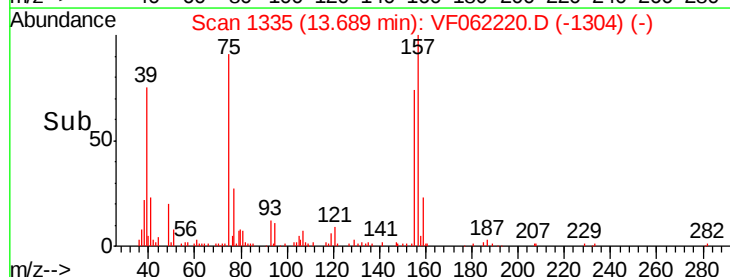
157 130.6 61.3 183.9

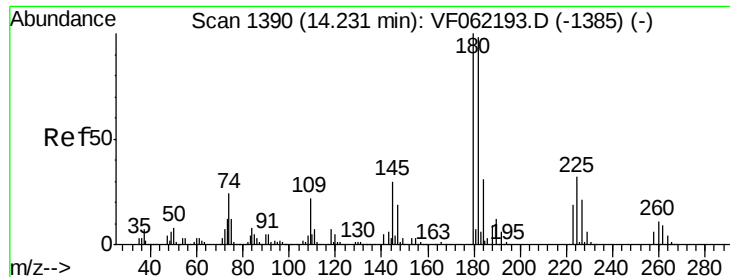


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

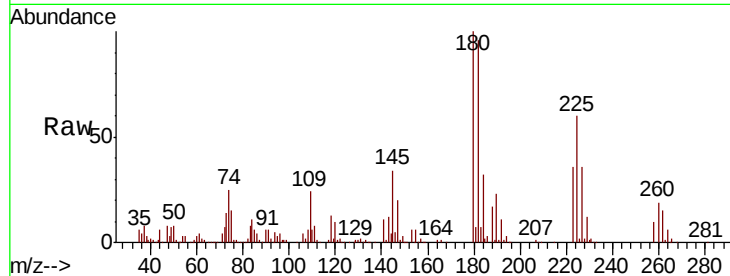




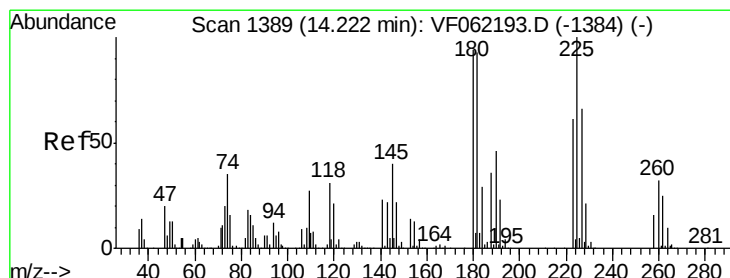
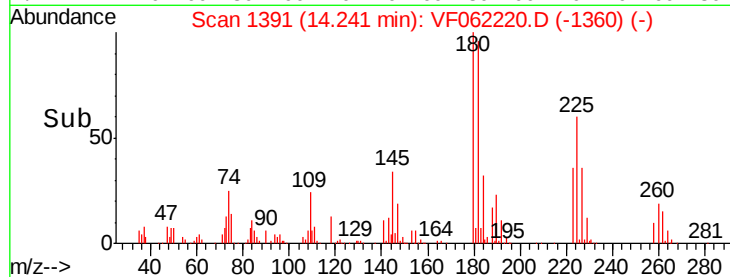
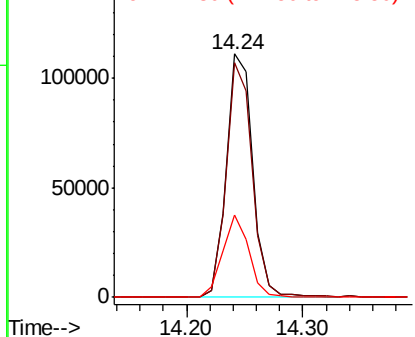
#93
 1,2,4-Trichlorobenzene
 Concen: 21.536 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062220.D
 Acq: 19 Apr 2019 12:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0419SBS01

Tgt Ion:180 Resp: 174460
 Ion Ratio Lower Upper
 180 100
 182 95.6 49.3 147.9
 145 33.7 18.1 54.4

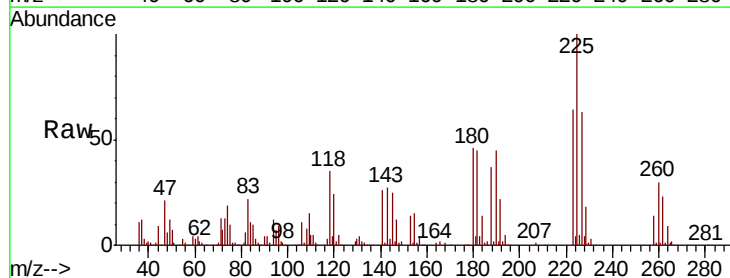


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

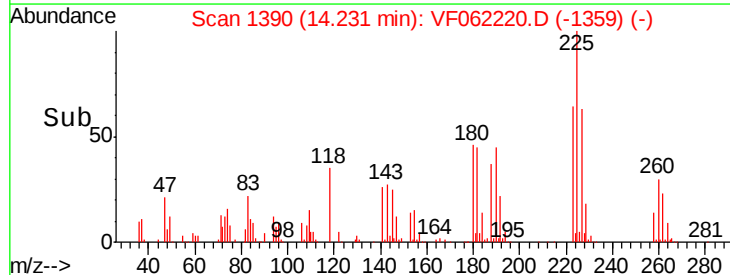
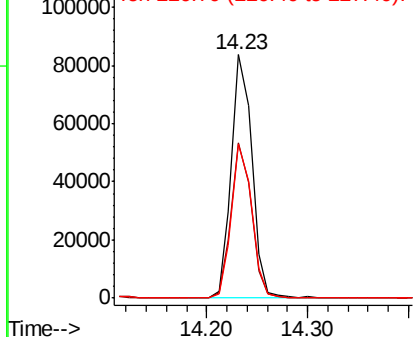


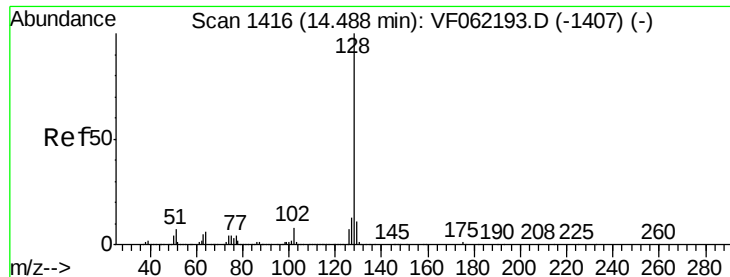
#94
 Hexachlorobutadiene
 Concen: 21.445 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VF062220.D
 Acq: 19 Apr 2019 12:58

Tgt Ion:225 Resp: 119120
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.0 93.0
 227 62.6 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

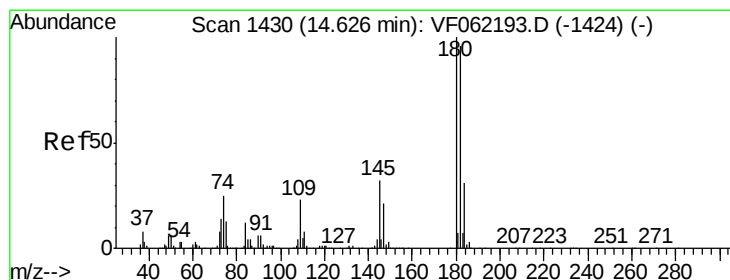
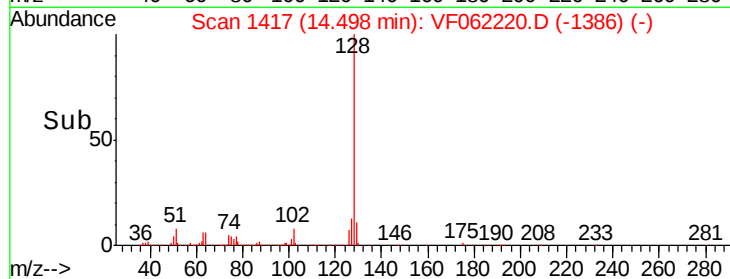
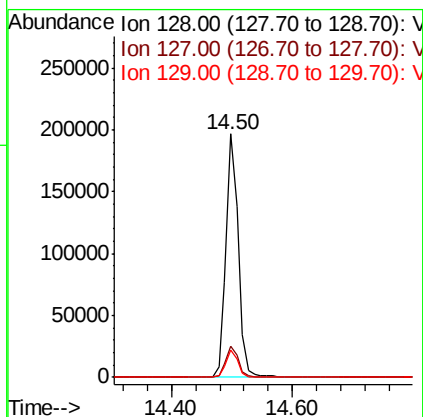
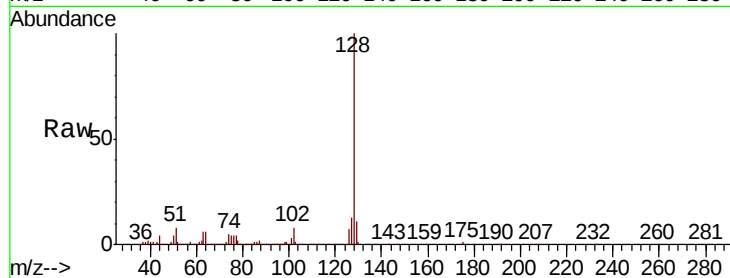




#95
Naphthalene
Concen: 19.701 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

Instrument :
MSVOA_F
ClientSampleId :
VF0419SBS01

Tgt Ion:128 Resp: 279053
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.0 9.2 13.8



#96
1,2,3-Trichlorobenzene
Concen: 21.544 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.02 min
Lab File: VF062220.D
Acq: 19 Apr 2019 12:58

Tgt Ion:180 Resp: 167550
Ion Ratio Lower Upper
180 100
182 93.8 48.4 145.3
145 30.3 15.6 46.8

