

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041819\
 Data File : VF062211.D
 Acq On : 18 Apr 2019 18:09
 Operator : FY/SY
 Sample : K2434-01
 Misc : 6.29g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 19 01:19:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 07:43:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	9646	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.77	114	9060	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	2725	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.64	152	74	50.00	ug/l	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.27	65	352	3.98	ug/l	0.26
Spiked Amount			Recovery	=	7.96%	
35) Dibromofluoromethane	4.31	113	1817	22.93	ug/l	0.01
Spiked Amount			Recovery	=	45.86%	
50) Toluene-d8	7.71	98	6825	34.02	ug/l	0.01
Spiked Amount			Recovery	=	68.04%	
62) 4-Bromofluorobenzene	11.49	95	606	7.85	ug/l	0.01
Spiked Amount			Recovery	=	15.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	83	0.566	ug/l #	42
3) Chloromethane	1.13	50	432	2.851	ug/l #	41
4) Vinyl Chloride	1.18	62	143	1.099	ug/l #	42
5) Bromomethane	1.42	94	225	2.975	ug/l	95
6) Chloroethane	1.42	64	64	1.176	ug/l #	1
7) Trichlorofluoromethane	1.50	101	70	0.423	ug/l #	20
8) Diethyl Ether	1.67	74	228	6.624	ug/l	83
10) Methyl Iodide	2.00	142	63	0.314	ug/l #	42
11) Tert butyl alcohol	2.73	59	222	36.108	ug/l #	70
12) 1,1-Dichloroethene	1.91	96	592	5.509	ug/l #	1
13) Acrolein	2.10	56	435	151.451	ug/l #	1
14) Allyl chloride	2.20	41	886	7.185	ug/l #	25
15) Acrylonitrile	3.10	53	444	23.710	ug/l #	27
16) Acetone	2.39	43	1492	70.572	ug/l #	52
17) Carbon Disulfide	1.97	76	60	0.201	ug/l #	17
18) Methyl Acetate	2.50	43	978	17.705	ug/l #	74
19) Methyl tert-butyl Ether	2.56	73	274	1.444	ug/l #	58
20) Methylene Chloride	2.36	84	242	Below Cal	#	2
21) trans-1,2-Dichloroethene	2.44	96	345	3.247	ug/l #	15
22) Diisopropyl ether	2.93	45	341	1.081	ug/l #	40
23) Vinyl Acetate	3.32	43	608	4.045	ug/l #	79
24) 1,1-Dichloroethane	3.02	63	61	0.354	ug/l #	88
25) 2-Butanone	4.50	43	2126	50.292	ug/l #	56
26) 2,2-Dichloropropane	3.93	77	1033	11.857	ug/l	98
27) cis-1,2-Dichloroethene	3.52	96	283	2.057	ug/l	52
28) Bromochloromethane	3.89	49	147	1.778	ug/l #	8
29) Tetrahydrofuran	4.30	42	399	20.852	ug/l #	47
30) Chloroform	4.03	83	493	2.325	ug/l	90
31) Cyclohexane	3.86	56	660	3.192	ug/l #	24
32) 1,1,1-Trichloroethane	4.27	97	277	1.784	ug/l #	17
36) 1,1-Dichloropropene	4.47	75	185	1.703	ug/l #	42
37) Ethyl Acetate	4.28	43	700	13.656	ug/l #	3
38) Carbon Tetrachloride	4.22	117	67	0.697	ug/l #	13
39) Methylcyclohexane	5.63	83	278	2.138	ug/l #	41

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.82	78	215	0.755	ug/l #	52
41) Methacrylonitrile	4.91	41	390	13.190	ug/l #	50
42) 1,2-Dichloroethane	5.25	62	79	1.049	ug/l #	74
43) Isopropyl Acetate	7.13	43	1511	28.028	ug/l #	45
45) 1,2-Dichloropropane	6.37	63	80	1.275	ug/l #	42
46) Dibromomethane	6.28	93	131	3.137	ug/l #	3
47) Bromodichloromethane	6.56	83	185	1.963	ug/l #	57
48) Methyl methacrylate	6.89	41	243	6.859	ug/l #	1
49) 1,4-Dioxane	6.65	88	64	157.512	ug/l #	42
51) 4-Methyl-2-Pentanone	8.35	43	294	7.332	ug/l #	38
52) Toluene	7.79	92	62	0.413	ug/l #	1
53) t-1,3-Dichloropropene	8.43	75	67	0.947	ug/l #	50
54) cis-1,3-Dichloropropene	7.40	75	280	2.925	ug/l #	71
55) 1,1,2-Trichloroethane	8.64	97	98	2.329	ug/l #	14
56) Ethyl methacrylate	8.77	69	497	10.390	ug/l #	19
57) 1,3-Dichloropropane	9.01	76	60	0.883	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.46	63	69	4.968	ug/l #	48
59) 2-Hexanone	9.46	43	1125	45.103	ug/l #	66
60) Dibromochloromethane	8.85	129	141	2.253	ug/l #	10
61) 1,2-Dibromoethane	9.19	107	89	1.878	ug/l #	82
64) Tetrachloroethene	8.30	164	68	2.764	ug/l #	1
65) Chlorobenzene	10.06	112	65	1.119	ug/l #	42
66) 1,1,1,2-Tetrachloroethane	10.06	131	95	3.491	ug/l #	1
67) Ethyl Benzene	10.00	91	535	5.064	ug/l #	44
68) m/p-Xylenes	10.27	106	148	3.805	ug/l #	1
69) o-Xylene	10.97	106	154	3.566	ug/l #	64
70) Styrene	10.90	104	199	3.265	ug/l #	1
73) Isopropylbenzene	11.22	105	451	70.949	ug/l #	76
74) N-amyl acetate	11.45	43	1521	1052.529	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	11.81	83	630	576.294	ug/l #	22
76) 1,2,3-Trichloropropane	11.84	75	135	179.493	ug/l #	1
78) n-propylbenzene	11.57	91	374	55.773	ug/l #	95
79) 2-Chlorotoluene	11.80	91	888	218.307	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.12	105	132	24.933	ug/l #	91
81) trans-1,4-Dichloro-2-buten	11.92	75	79	205.955	ug/l #	1
82) 4-Chlorotoluene	12.07	91	510	129.735	ug/l #	89
83) tert-Butylbenzene	12.19	119	331	60.457	ug/l #	30
84) 1,2,4-Trimethylbenzene	12.12	105	132	25.765	ug/l #	85
85) sec-Butylbenzene	12.34	105	328	46.145	ug/l #	95
86) p-Isopropyltoluene	12.53	119	164	27.200	ug/l #	1
87) 1,3-Dichlorobenzene	12.64	146	64	25.327	ug/l #	1
88) 1,4-Dichlorobenzene	12.64	146	64	26.258	ug/l #	1
89) n-Butylbenzene	12.91	91	519	110.996	ug/l #	39
90) Hexachloroethane	12.91	117	153	98.817	ug/l #	12
91) 1,2-Dichlorobenzene	12.95	146	75	30.738	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.70	75	303	1410.726	ug/l #	1
95) Naphthalene	14.48	128	80	22.412	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.60	180	70	35.716	ug/l #	1

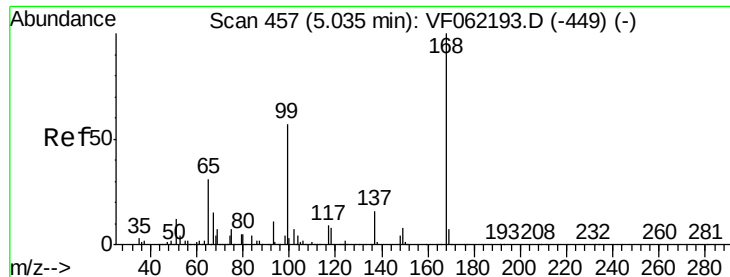
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.02 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

Instrument :

MSVOA_F

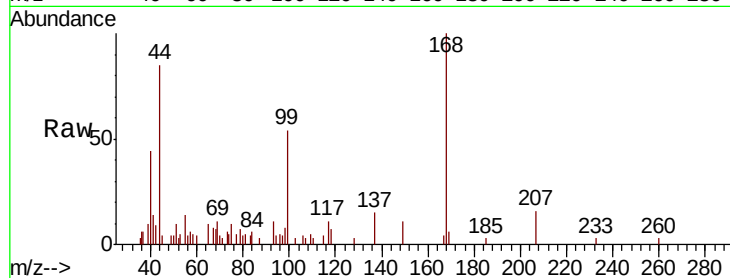
ClientSampleId :

Tot Ion:168 Resp: 9646

Ion Ratio Lower Upper

168 100

99 54.3 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.05

4000

3000

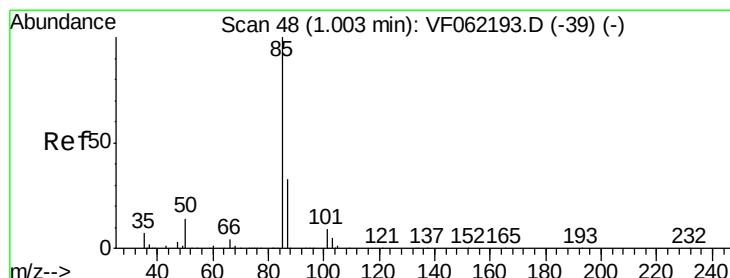
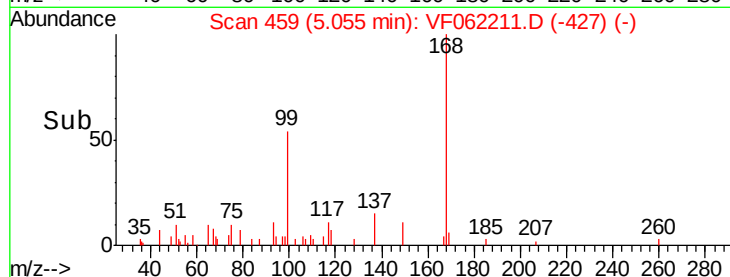
2000

1000

0

5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 0.566 ug/l

RT: 0.99 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062211.D

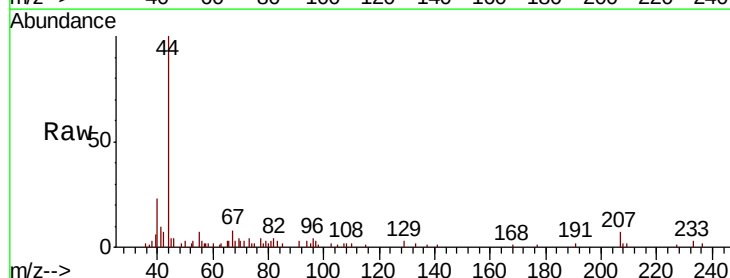
Acq: 18 Apr 2019 18:09

Tgt Ion: 85 Resp: 83

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.1#



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

0.99

150

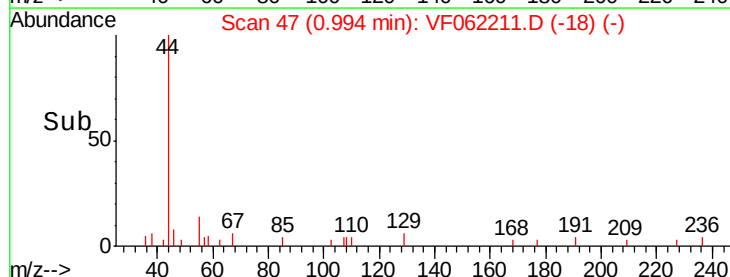
100

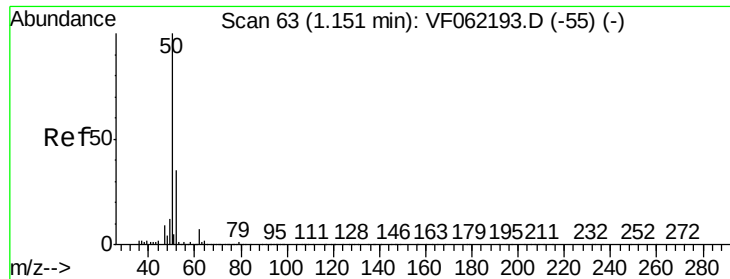
50

0

0.98 0.99 1.00 1.01

Time-->





#3

Chloromethane

Concen: 2.851 ug/l

RT: 1.13 min Scan# 61

Delta R.T. -0.02 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

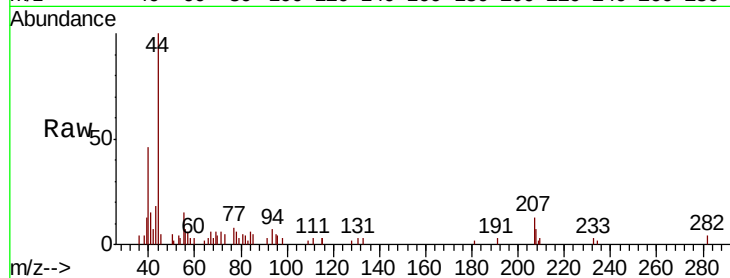
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 50 Resp: 432

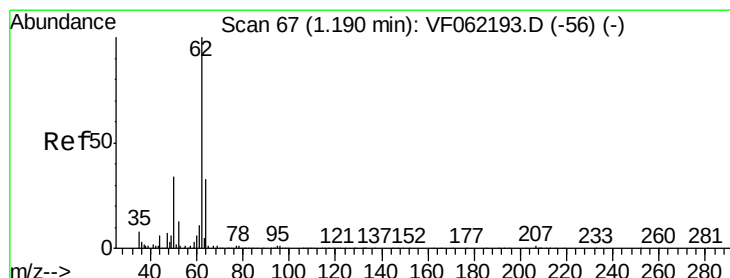
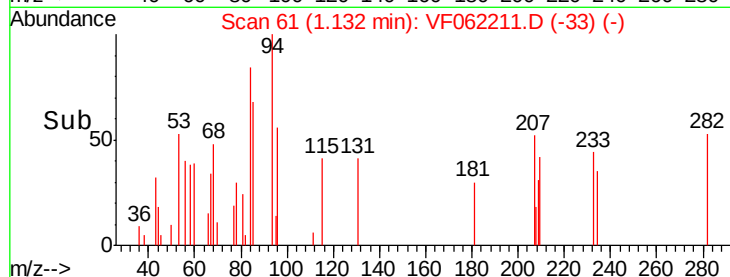
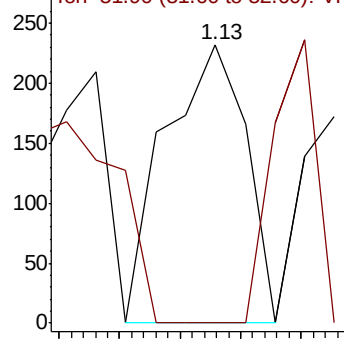
Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.4#



Abundance Ion 49.90 (49.60 to 50.60): VF0
Ion 51.90 (51.60 to 52.60): VF0



#4

Vinyl Chloride

Concen: 1.099 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062211.D

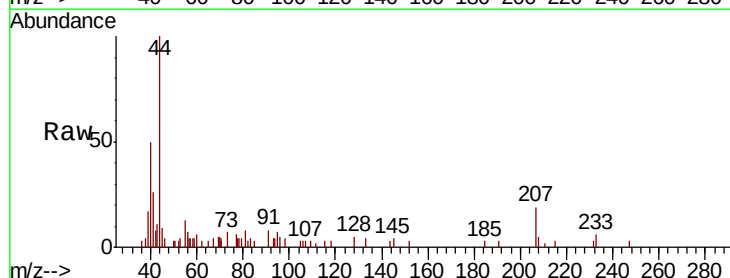
Acq: 18 Apr 2019 18:09

Tgt Ion: 62 Resp: 143

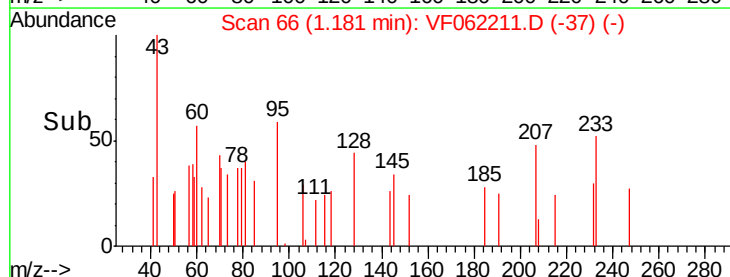
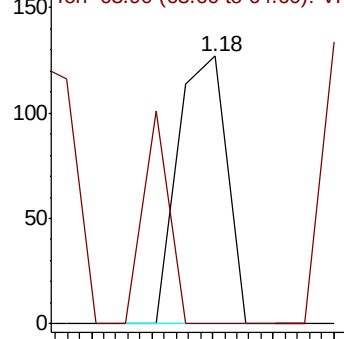
Ion Ratio Lower Upper

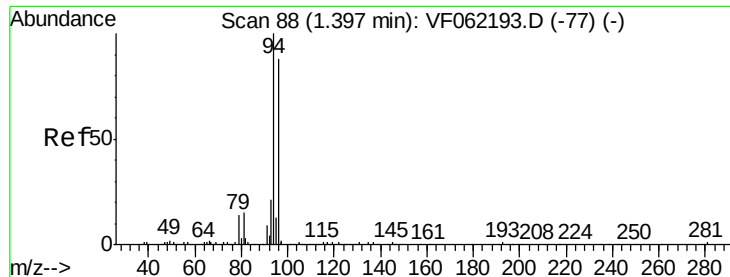
62 100

64 0.0 26.2 39.4#



Abundance Ion 61.90 (61.60 to 62.60): VF0
Ion 63.90 (63.60 to 64.60): VF0





#5

Bromomethane

Concen: 2.975 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.02 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

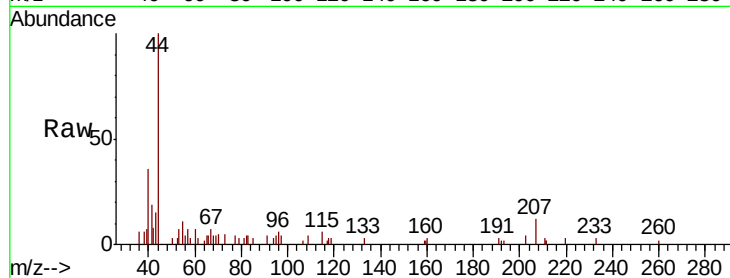
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 225

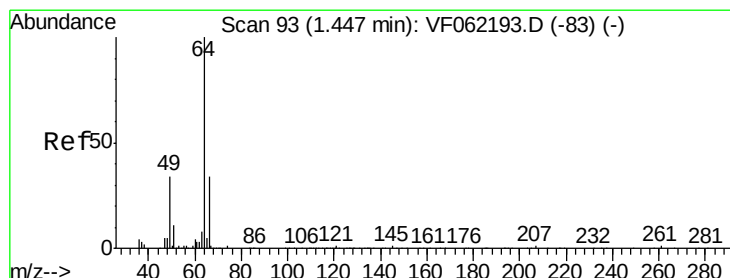
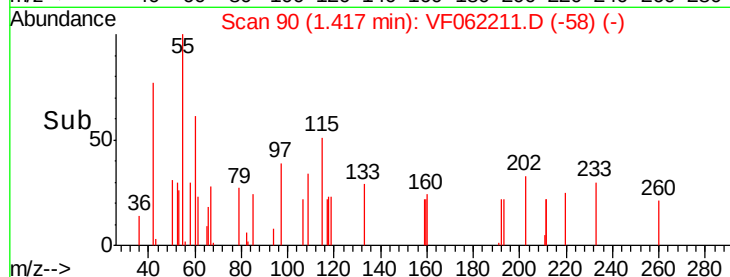
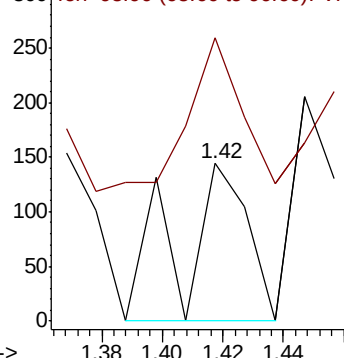
Ion Ratio Lower Upper

94 100

96 92.4 70.2 105.4



Abundance Ion 93.90 (93.60 to 94.60): VF0
Ion 95.90 (95.60 to 96.60): VF0



#6

Chloroethane

Concen: 1.176 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.03 min

Lab File: VF062211.D

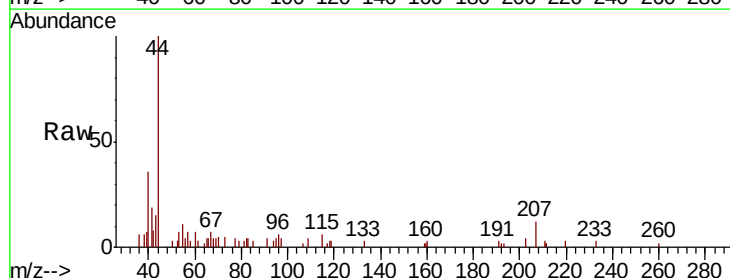
Acq: 18 Apr 2019 18:09

Tgt Ion: 64 Resp: 64

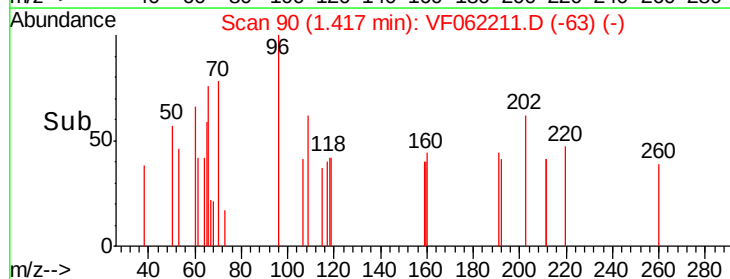
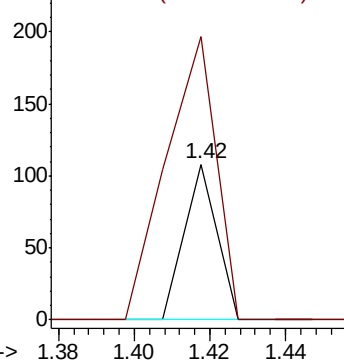
Ion Ratio Lower Upper

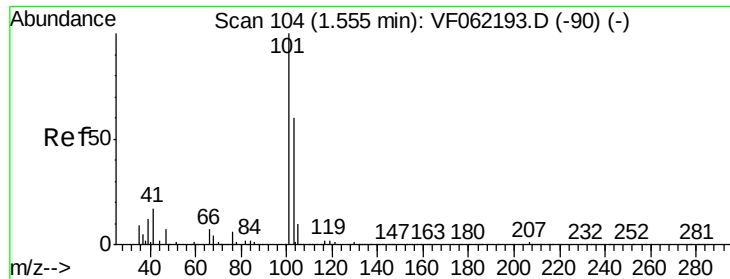
64 100

66 182.4 27.0 40.4#



Abundance Ion 63.90 (63.60 to 64.60): VF0
Ion 65.90 (65.60 to 66.60): VF0





#7

Trichlorofluoromethane

Concen: 0.423 ug/l

RT: 1.50 min Scan# 98

Delta R.T. -0.06 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

Instrument :

MSVOA_F

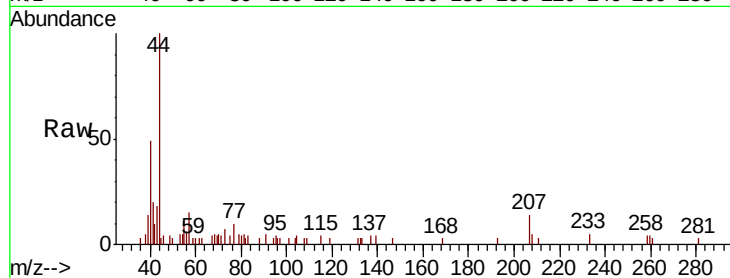
ClientSampleId :

Tot Ion:101 Resp: 70

Ion Ratio Lower Upper

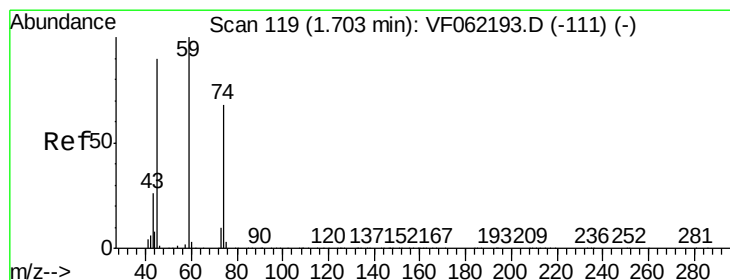
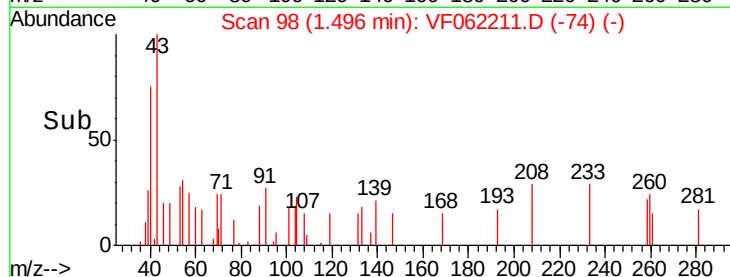
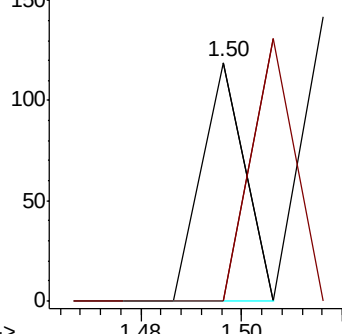
101 100

103 0.0 48.2 72.4#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 6.624 ug/l

RT: 1.67 min Scan# 116

Delta R.T. -0.03 min

Lab File: VF062211.D

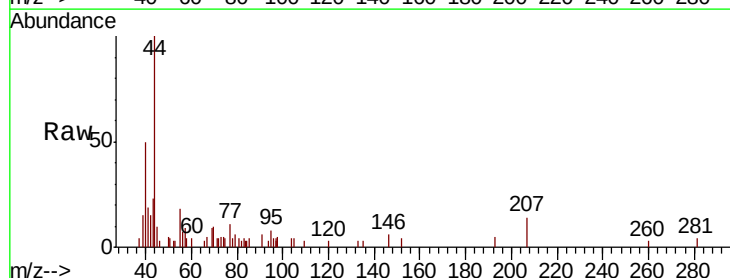
Acq: 18 Apr 2019 18:09

Tgt Ion: 74 Resp: 228

Ion Ratio Lower Upper

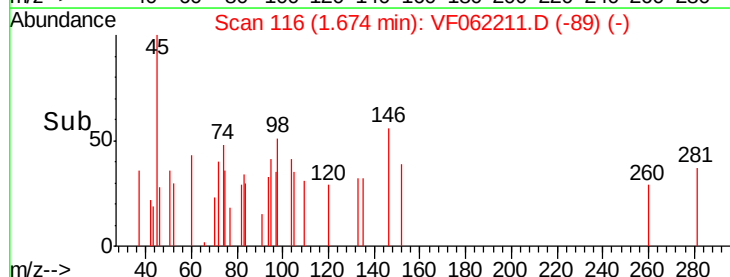
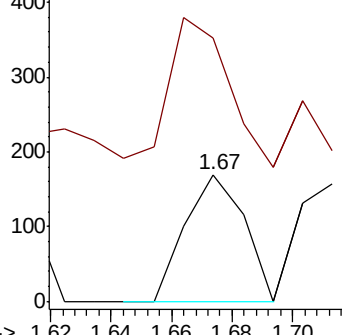
74 100

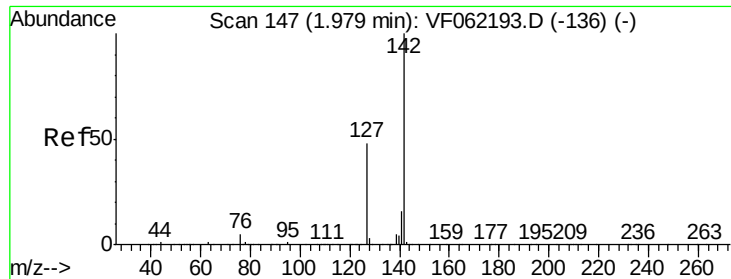
45 118.9 70.0 210.2



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

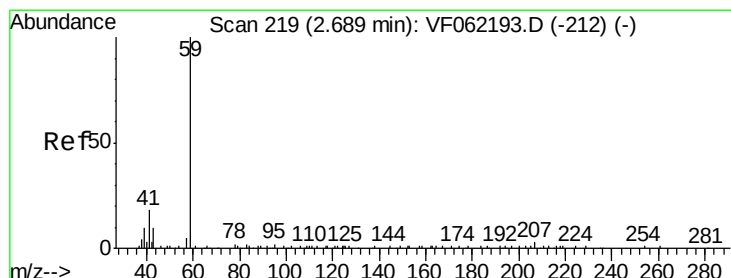
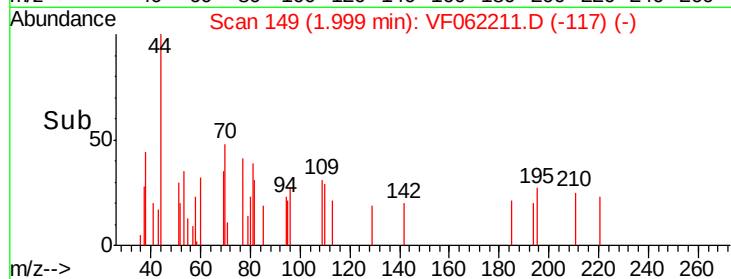
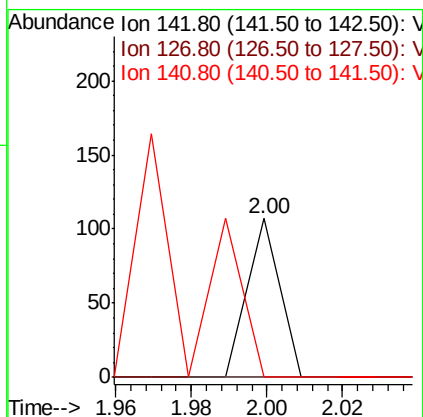
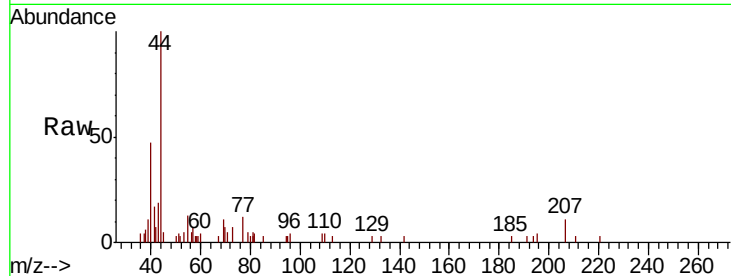




#10
Methyl Iodide
Concen: 0.314 ug/l
RT: 2.00 min Scan# 149
Delta R.T. 0.02 min
Lab File: VF062211.D
Acq: 18 Apr 2019 18:09

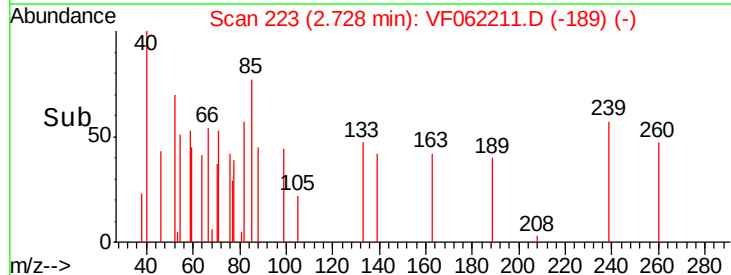
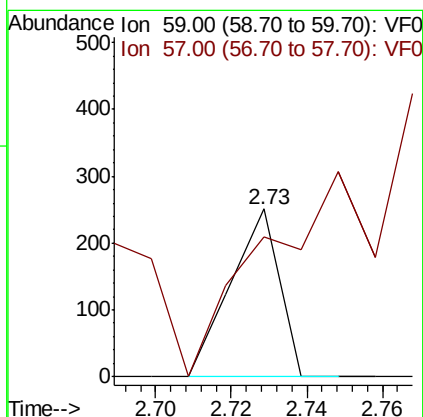
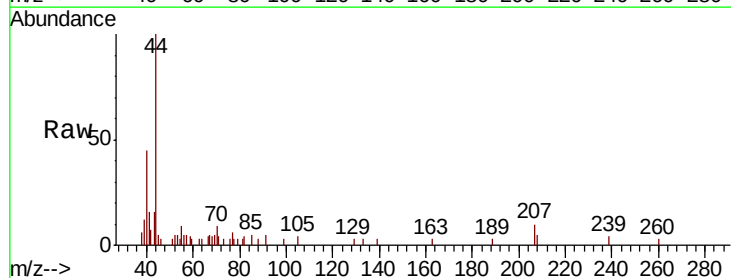
Instrument :
MSVOA_F
ClientSampled :

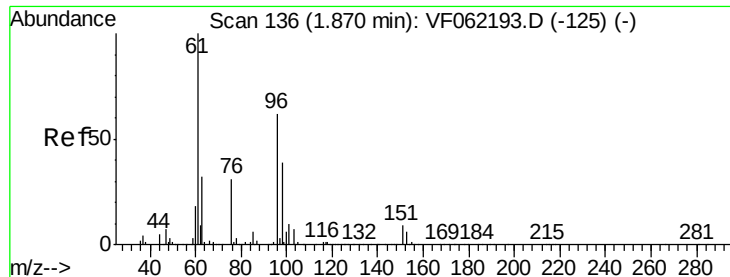
Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	33.0	49.4#
141	0.0	12.7	19.1#



#11
Tert butyl alcohol
Concen: 36.108 ug/l
RT: 2.73 min Scan# 223
Delta R.T. 0.04 min
Lab File: VF062211.D
Acq: 18 Apr 2019 18:09

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.3	13.9#





#12

1,1-Dichloroethene

Concen: 5.509 ug/l

RT: 1.91 min Scan# 140

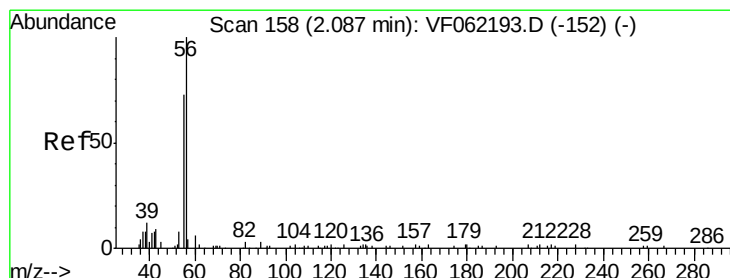
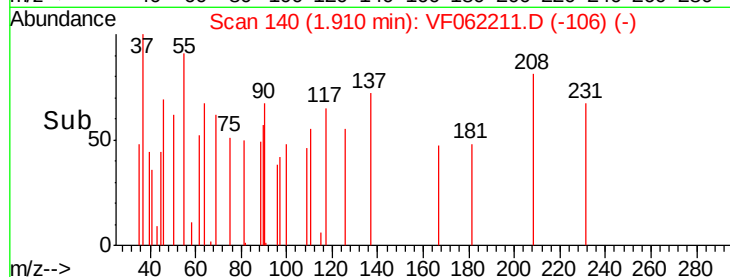
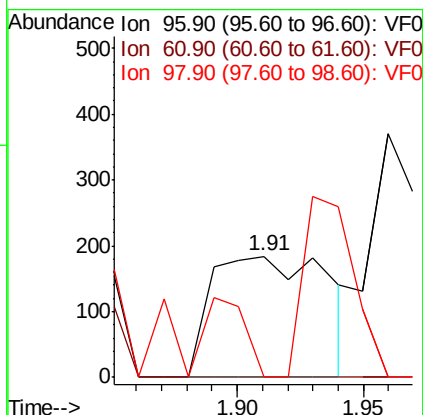
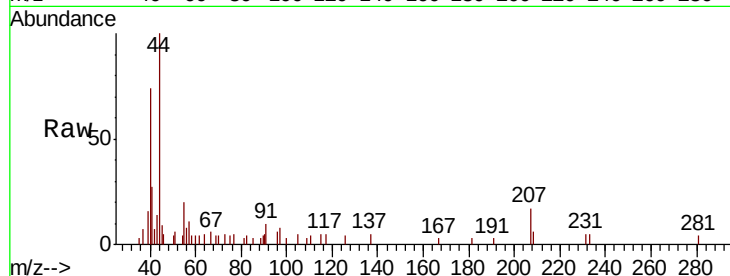
Delta R.T. 0.04 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	96	Resp:	592
Ion	Ratio	Lower	Upper
96	100		
61	0.0	129.1	193.7#
98	0.0	50.0	75.0#



#13

Acrolein

Concen: 151.451 ug/l

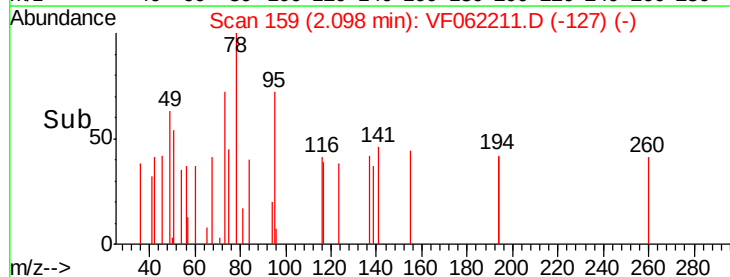
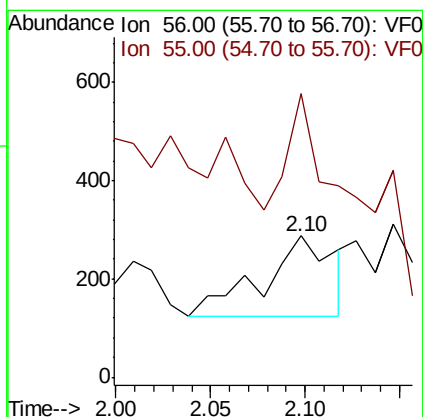
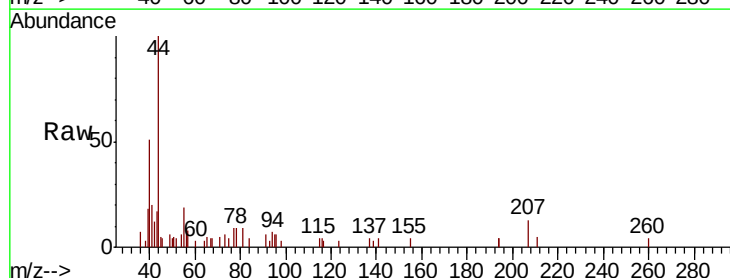
RT: 2.10 min Scan# 159

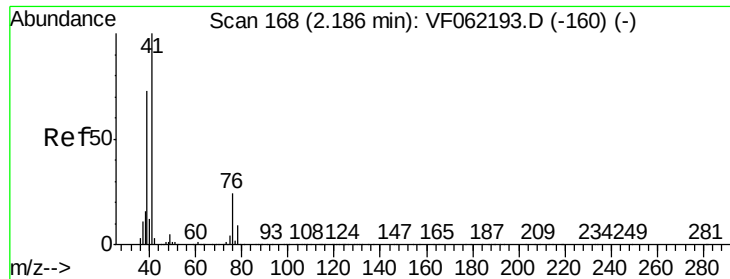
Delta R.T. 0.01 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

Tgt Ion:	56	Resp:	435
Ion	Ratio	Lower	Upper
56	100		
55	235.6	57.4	86.0#

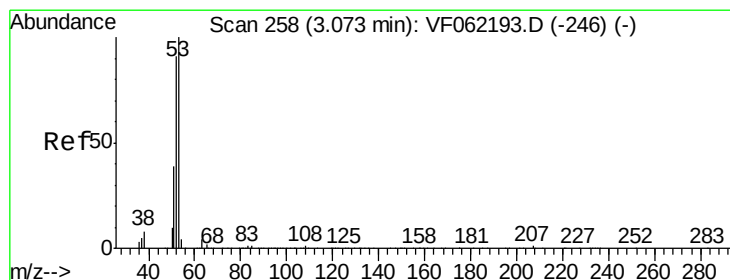
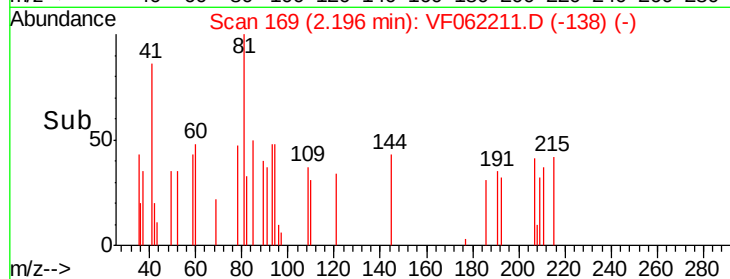
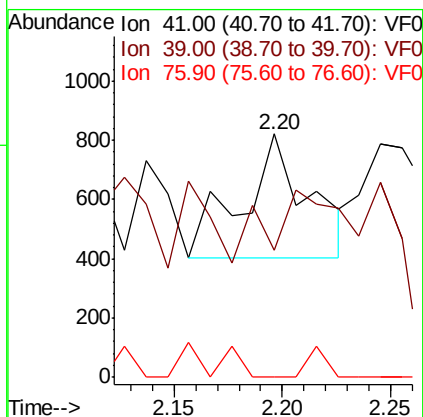
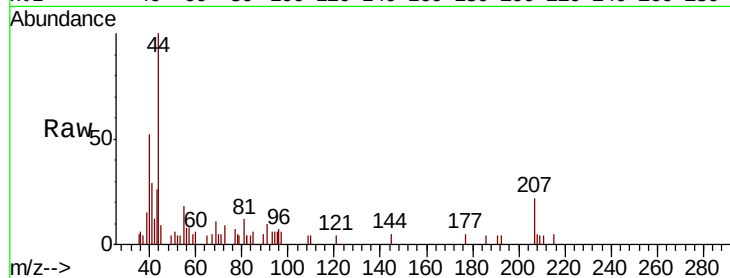




#14
Allvl chloride
Concen: 7.185 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.01 min
Lab File: VF062211.D
Acq: 18 Apr 2019 18:09

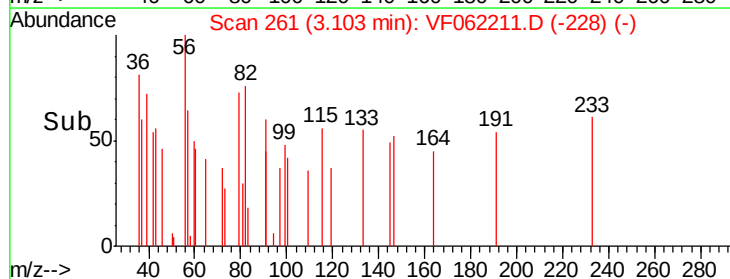
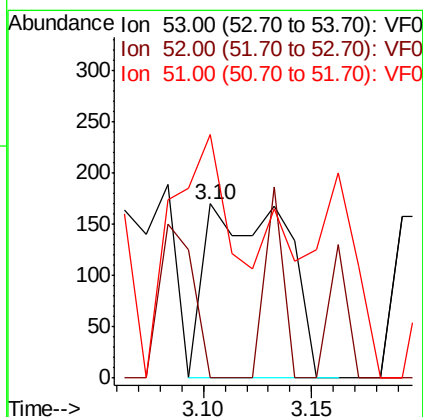
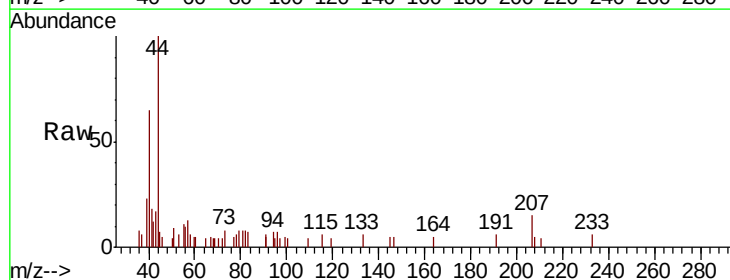
Instrument :
MSVOA_F
ClientSampled :

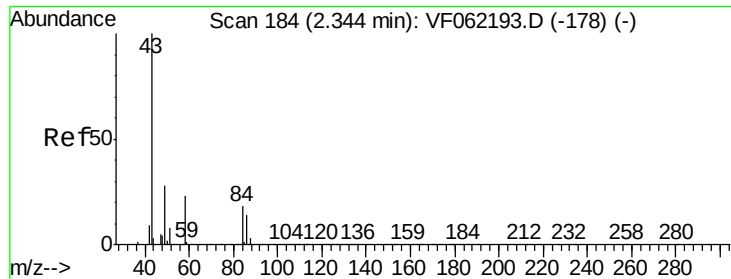
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	60.0	90.0#
76	7.0	20.6	30.8#



#15
Acrylonitrile
Concen: 23.710 ug/l
RT: 3.10 min Scan# 261
Delta R.T. 0.03 min
Lab File: VF062211.D
Acq: 18 Apr 2019 18:09

Tgt Ion	Ratio	Lower	Upper
53	100		
52	36.7	69.5	104.3#
51	110.1	31.8	47.8#

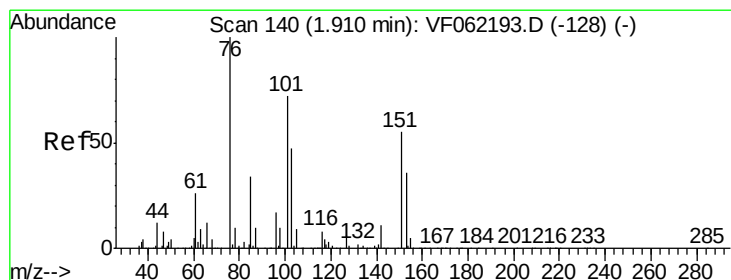
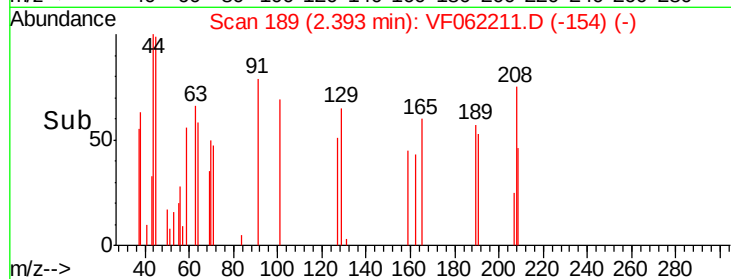
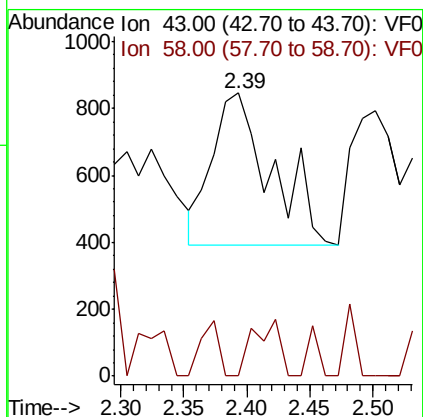
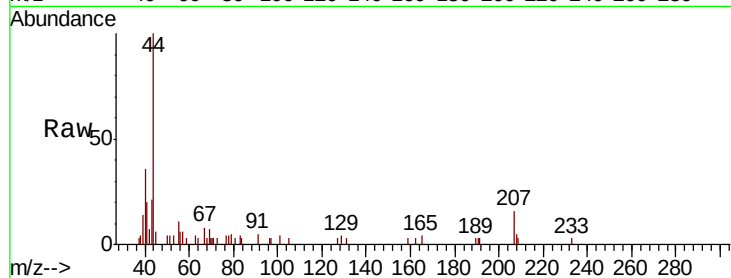




#16
Acetone
Concen: 70.572 ug/l
RT: 2.39 min Scan# 189
Delta R.T. 0.05 min
Lab File: VF062211.D
Acq: 18 Apr 2019 18:09

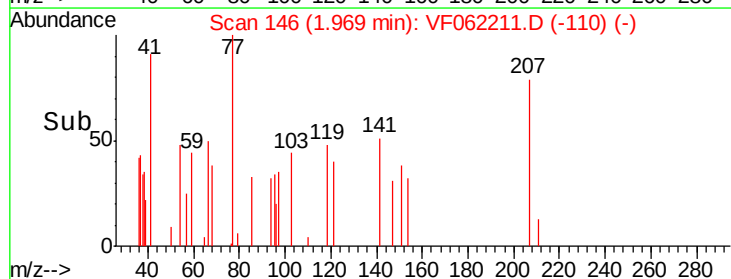
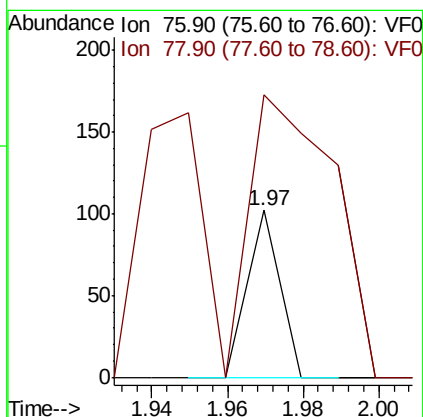
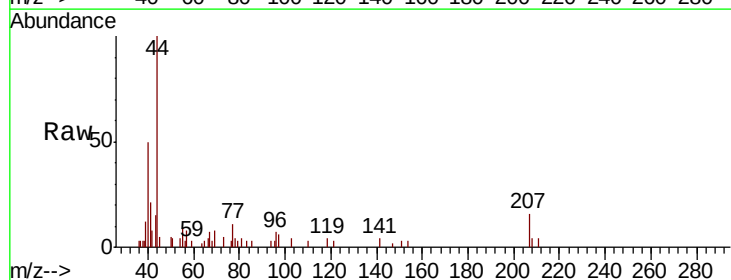
Instrument :
MSVOA_F
ClientSampleId :

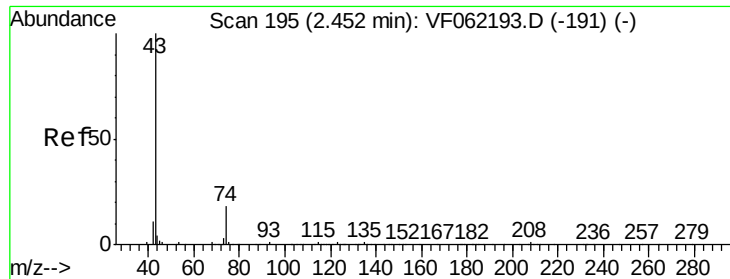
Tot Ion: 43 Resp: 1492
Ion Ratio Lower Upper
43 100
58 0.0 18.8 28.2#



#17
Carbon Disulfide
Concen: 0.201 ug/l
RT: 1.97 min Scan# 146
Delta R.T. 0.06 min
Lab File: VF062211.D
Acq: 18 Apr 2019 18:09

Tgt Ion: 76 Resp: 60
Ion Ratio Lower Upper
76 100
78 42.2 8.7 13.1#

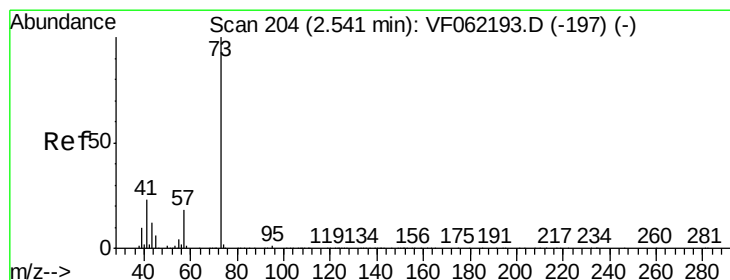
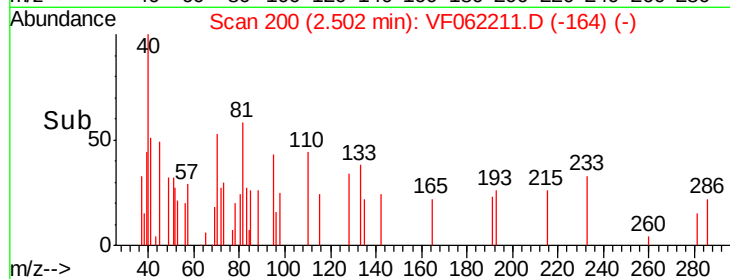
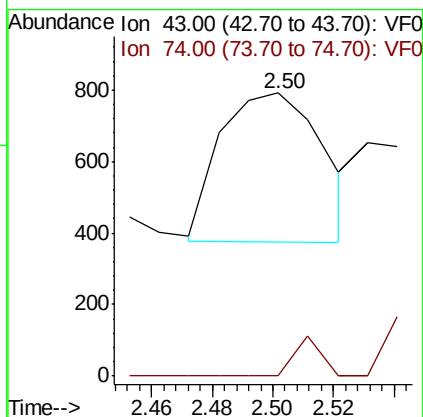
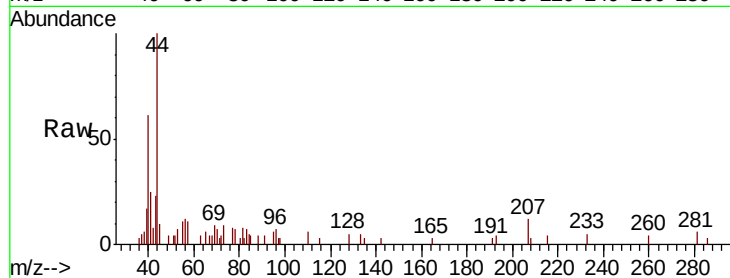




#18
Methyl Acetate
Concen: 17.705 ug/l
RT: 2.50 min Scan# 200
Delta R.T. 0.05 min
Lab File: VF062211.D
Acq: 18 Apr 2019 18:09

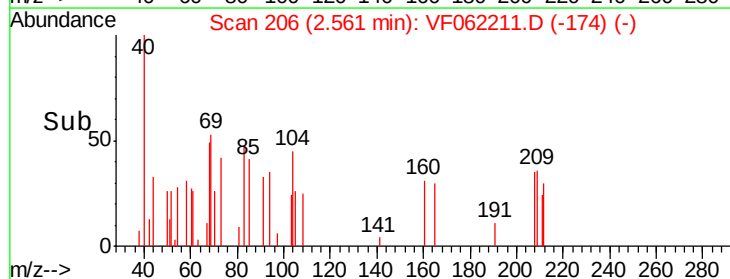
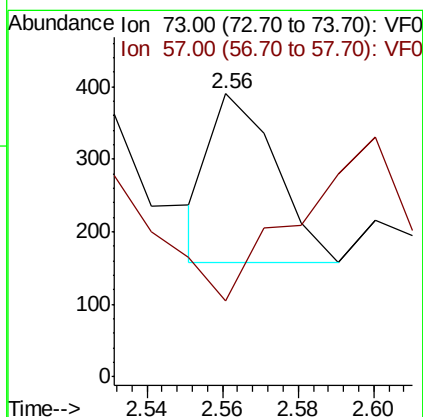
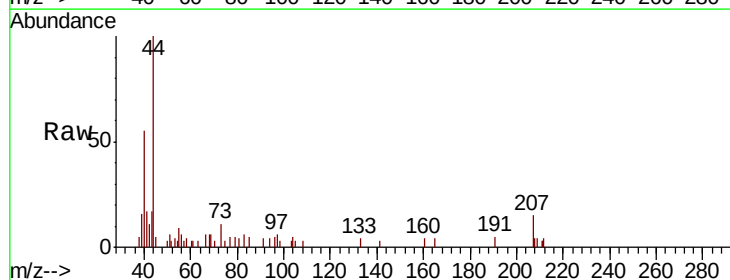
Instrument :
MSVOA_F
ClientSampled :

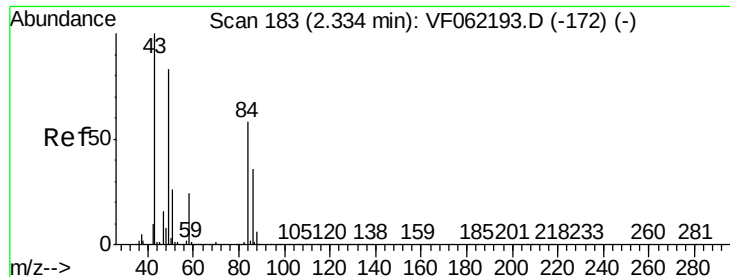
Tot Ion: 43 Resp: 978
Ion Ratio Lower Upper
43 100
74 6.7 14.5 21.7#



#19
Methyl tert-butyl Ether
Concen: 1.444 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.02 min
Lab File: VF062211.D
Acq: 18 Apr 2019 18:09

Tgt Ion: 73 Resp: 274
Ion Ratio Lower Upper
73 100
57 0.0 15.1 22.7#

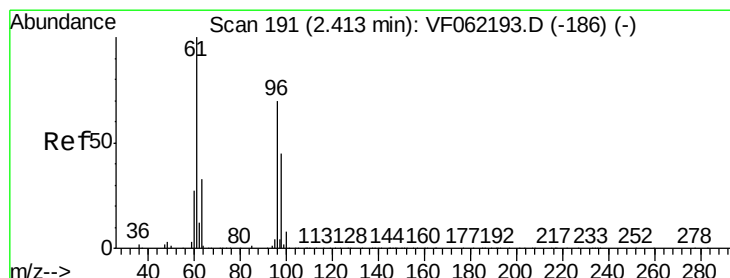
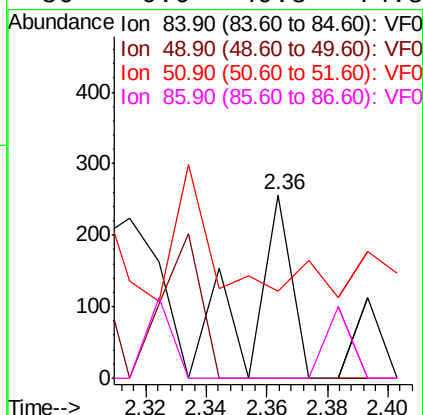
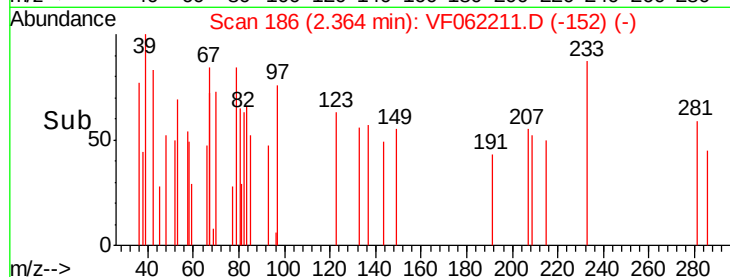
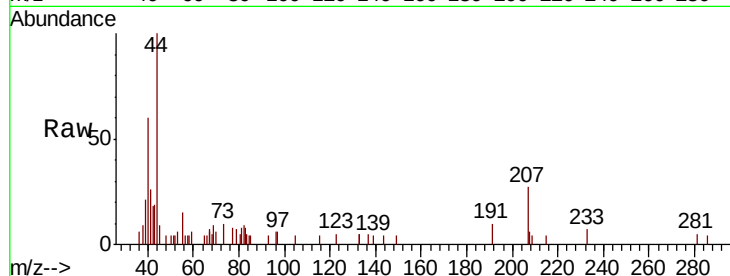




#20
Methylene Chloride
Concen: Below Cal
RT: 2.36 min Scan# 186
Delta R.T. 0.03 min
Lab File: VF062211.D
Acq: 18 Apr 2019 18:09

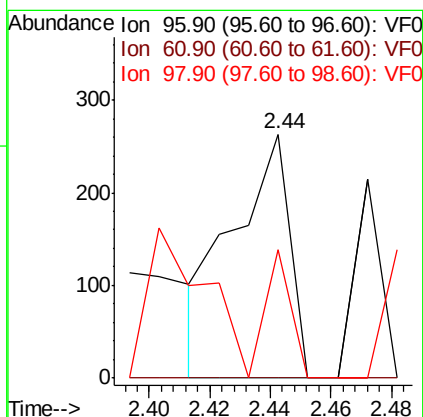
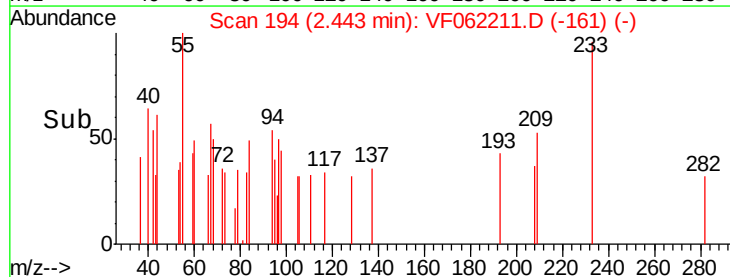
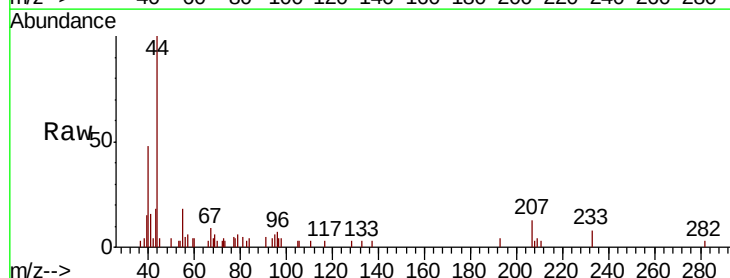
Instrument :
MSVOA_F
ClientSampled :

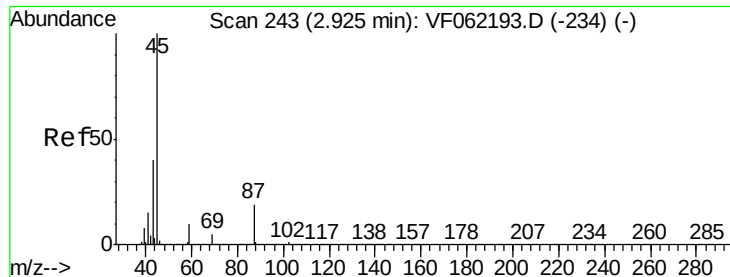
Tot Ion: 84 Resp: 242
Ion Ratio Lower Upper
84 100
49 0.0 114.0 171.0#
51 3.5 37.0 55.4#
86 0.0 49.8 74.8#



#21
trans-1,2-Dichloroethene
Concen: 3.247 ug/l
RT: 2.44 min Scan# 194
Delta R.T. 0.03 min
Lab File: VF062211.D
Acq: 18 Apr 2019 18:09

Tgt Ion: 96 Resp: 345
Ion Ratio Lower Upper
96 100
61 0.0 114.6 172.0#
98 52.5 51.2 76.8





#22

Diisopropyl ether

Concen: 1.081 ug/l

RT: 2.93 min Scan# 243

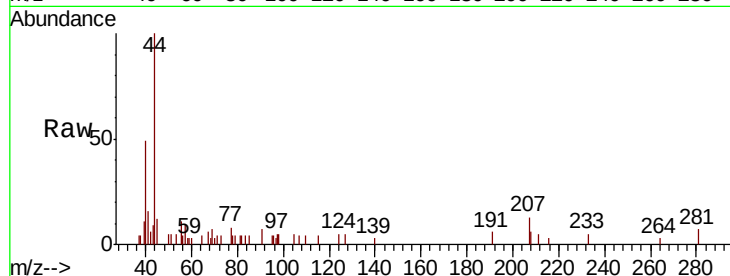
Delta R.T. 0.00 min

Lab File: VF062211.D

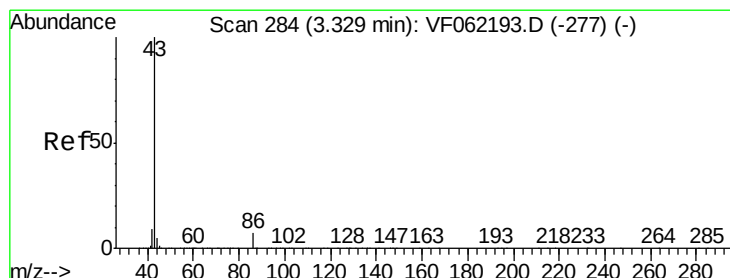
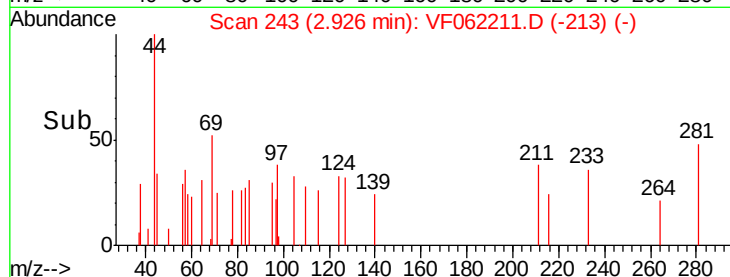
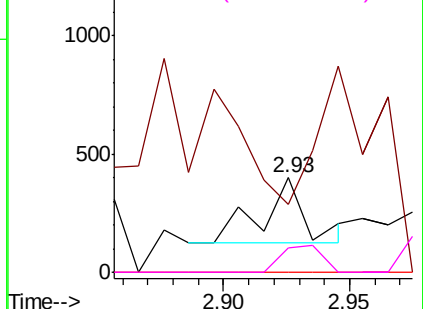
Acq: 18 Apr 2019 18:09

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	45	Resp:	341
Ion	Ratio	Lower	Upper
45	100		
43	0.0	32.8	49.2#
87	0.0	15.2	22.8#
59	36.8	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: 4.045 ug/l

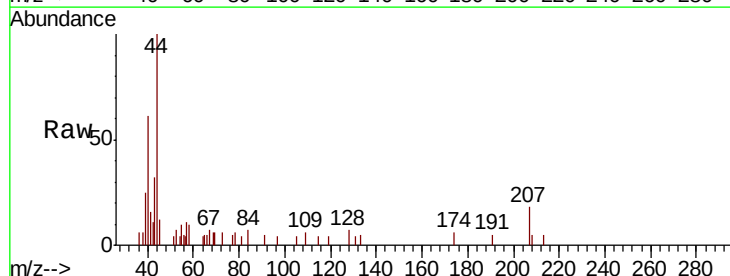
RT: 3.32 min Scan# 283

Delta R.T. -0.01 min

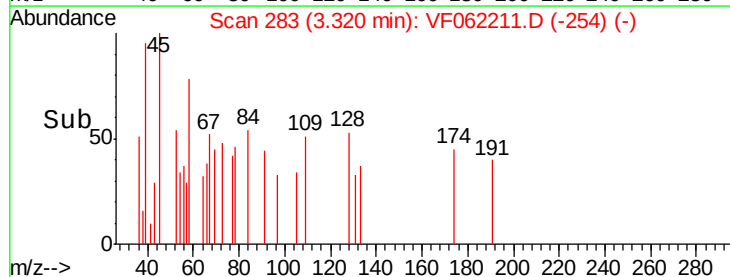
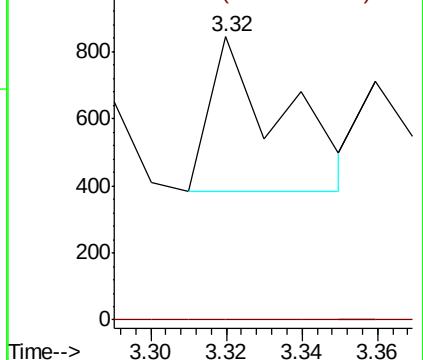
Lab File: VF062211.D

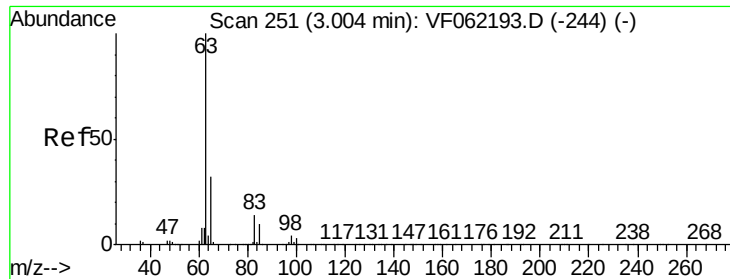
Acq: 18 Apr 2019 18:09

Tgt Ion:	43	Resp:	608
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.9	8.9#



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

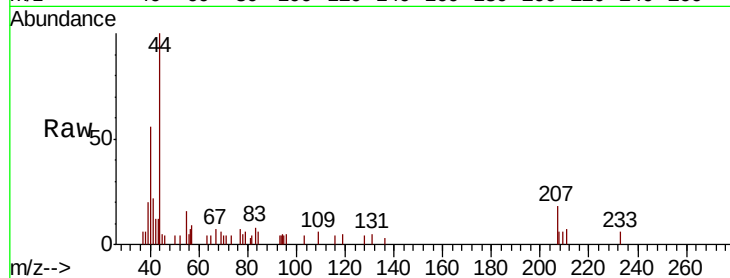




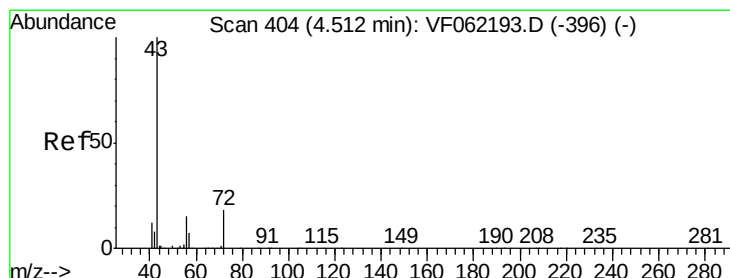
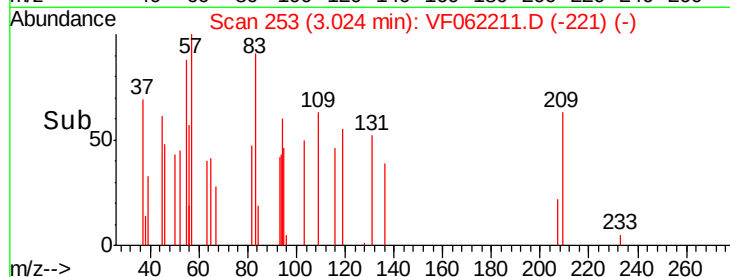
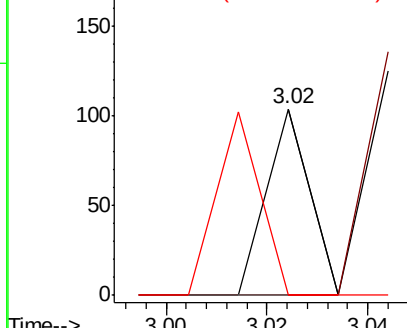
#24
 1,1-Dichloroethane
 Concen: 0.354 ug/l
 RT: 3.02 min Scan# 253
 Delta R.T. 0.02 min
 Lab File: VF062211.D
 Acq: 18 Apr 2019 18:09

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.3	6.8#
100	0.0	1.7	5.0#

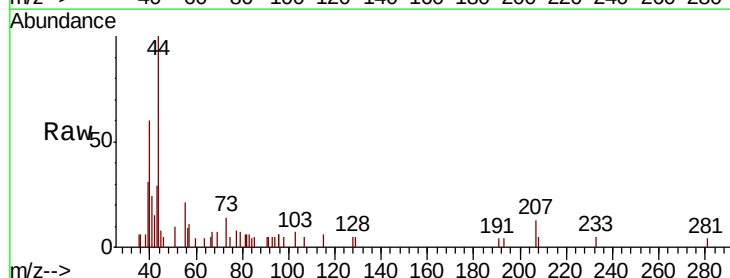


Abundance Ion 62.90 (62.60 to 63.60): VF0
 Ion 97.90 (97.60 to 98.60): VF0
 Ion 99.90 (99.60 to 100.60): VF0

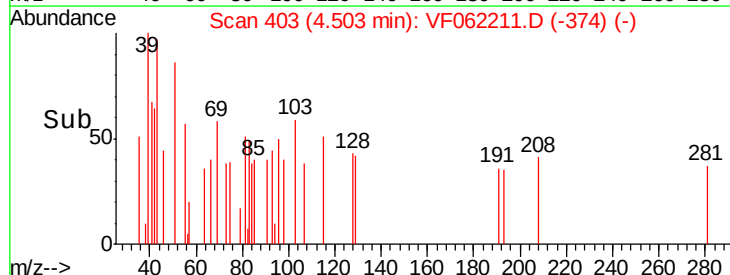
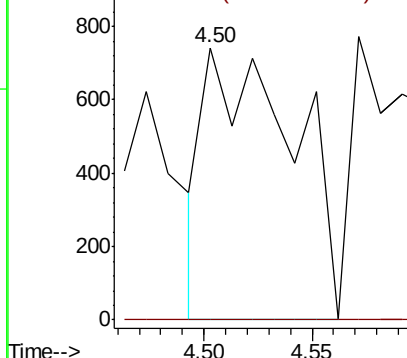


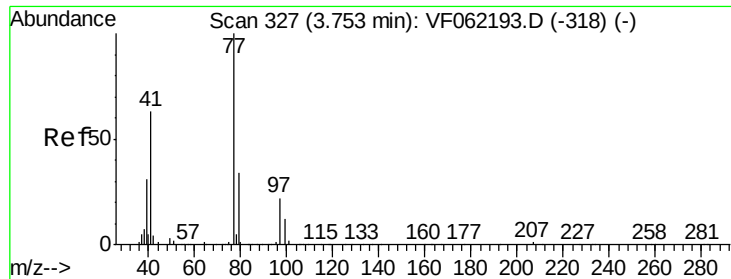
#25
 2-Butanone
 Concen: 50.292 ug/l
 RT: 4.50 min Scan# 403
 Delta R.T. -0.01 min
 Lab File: VF062211.D
 Acq: 18 Apr 2019 18:09

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.1	24.1#



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

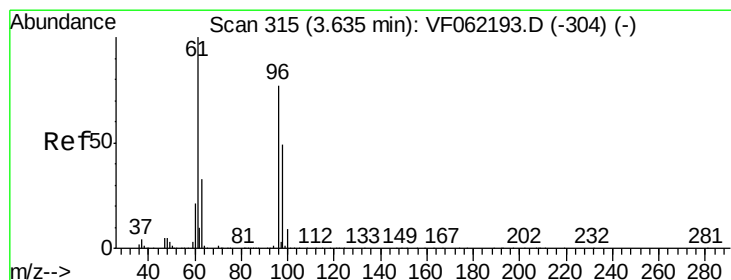
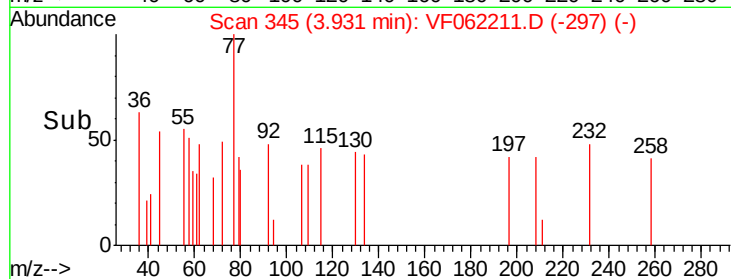
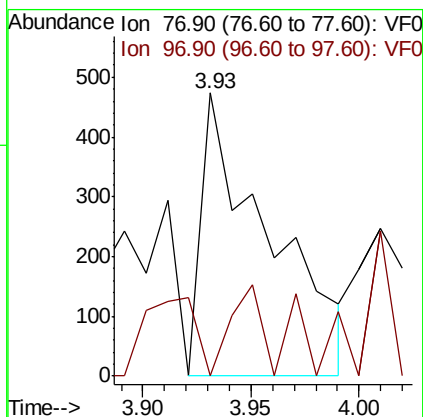
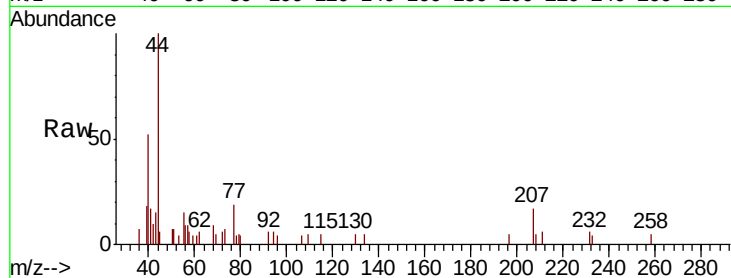




#26
2,2-Dichloropropane
Concen: 11.857 ug/l
RT: 3.93 min Scan# 345
Delta R.T. 0.18 min
Lab File: VF062211.D
Acq: 18 Apr 2019 18:09

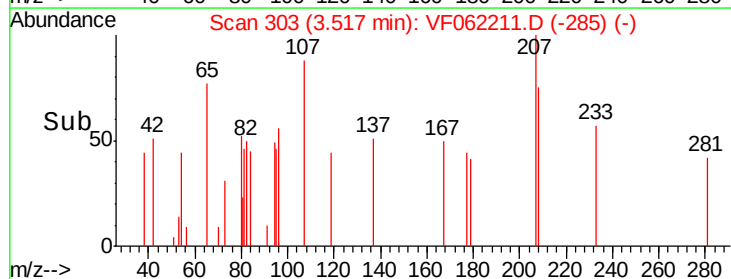
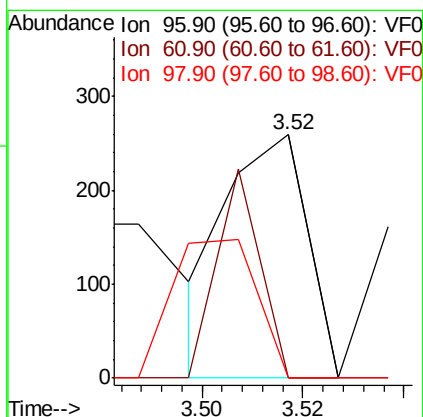
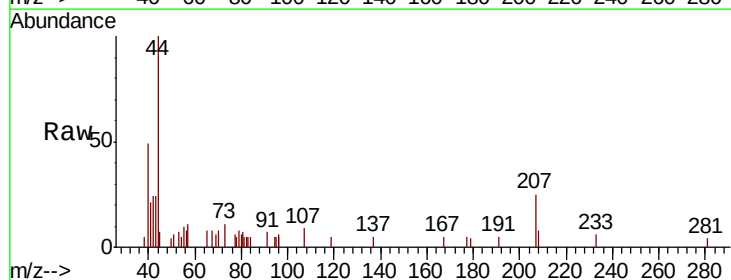
Instrument :
MSVOA_F
ClientSampled :

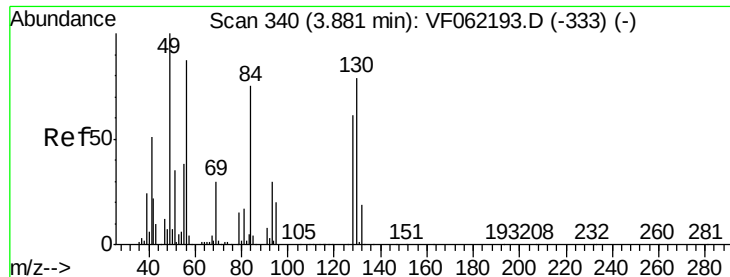
Tot Ion: 77 Resp: 1033
Ion Ratio Lower Upper
77 100
97 21.1 11.1 33.3



#27
cis-1,2-Dichloroethene
Concen: 2.057 ug/l
RT: 3.52 min Scan# 303
Delta R.T. -0.12 min
Lab File: VF062211.D
Acq: 18 Apr 2019 18:09

Tgt Ion: 96 Resp: 283
Ion Ratio Lower Upper
96 100
61 46.3 0.0 253.6
98 61.1 0.0 124.8





#28

Bromochloromethane

Concen: 1.778 ug/l

RT: 3.89 min Scan# 341

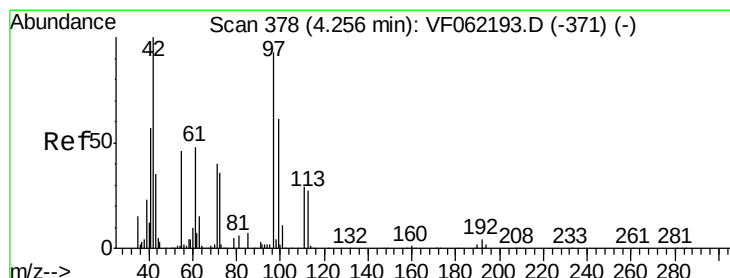
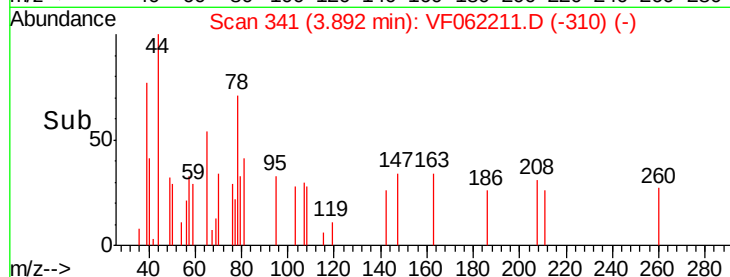
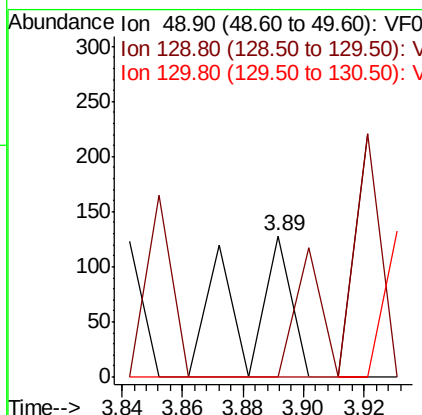
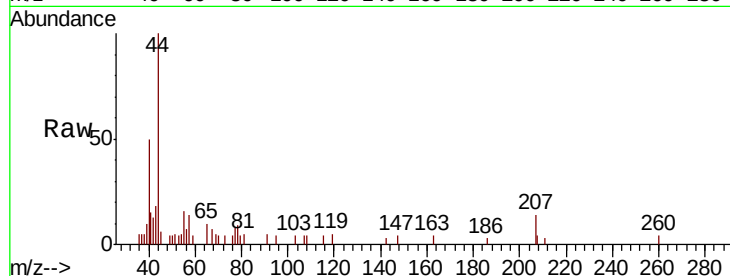
Delta R.T. 0.01 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	49	Resp:	147
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	0.0	66.6	100.0#



#29

Tetrahydrofuran

Concen: 20.852 ug/l

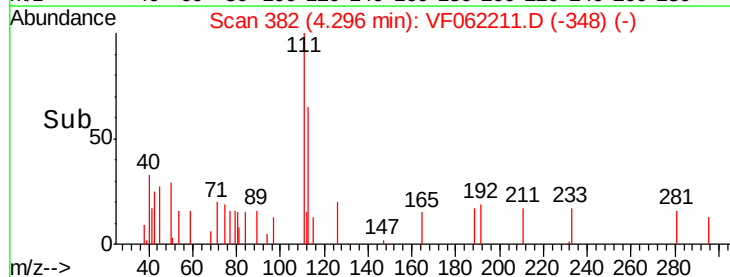
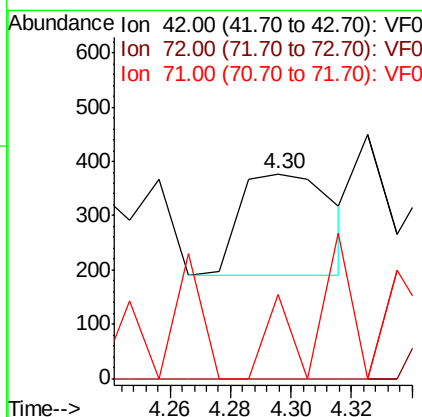
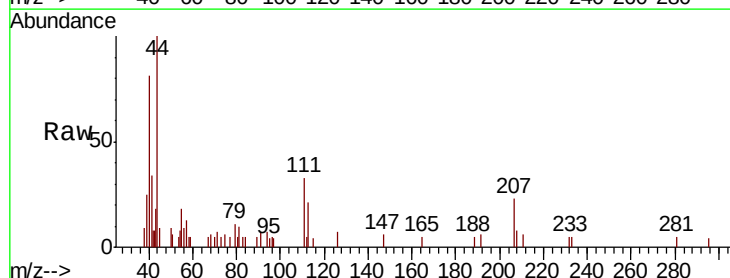
RT: 4.30 min Scan# 382

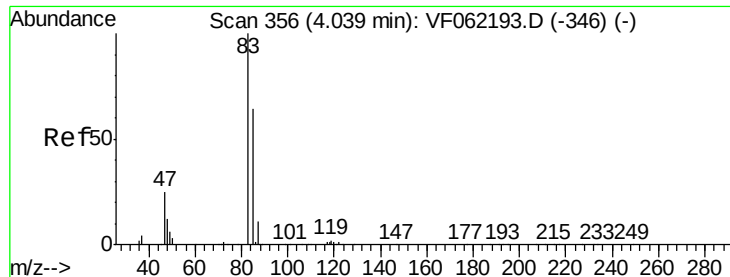
Delta R.T. 0.04 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

Tgt Ion:	42	Resp:	399
Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.6	43.0#
71	62.7	29.2	43.8#

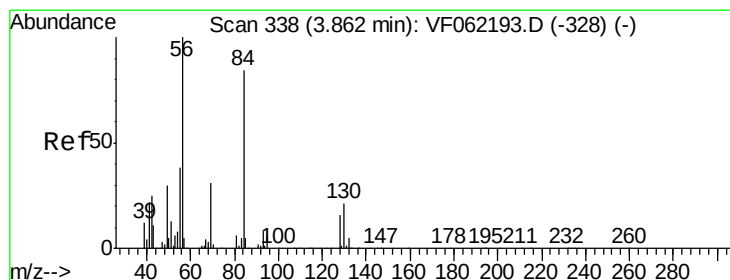
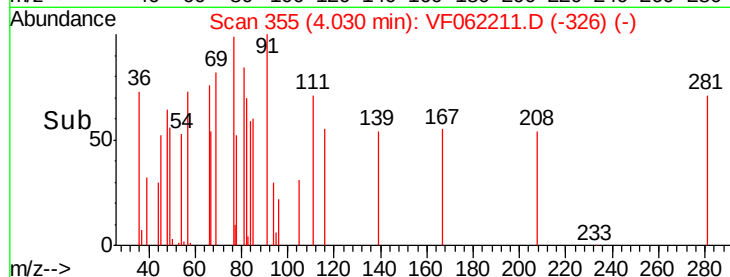
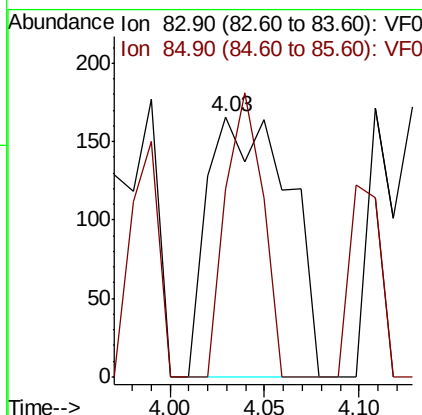
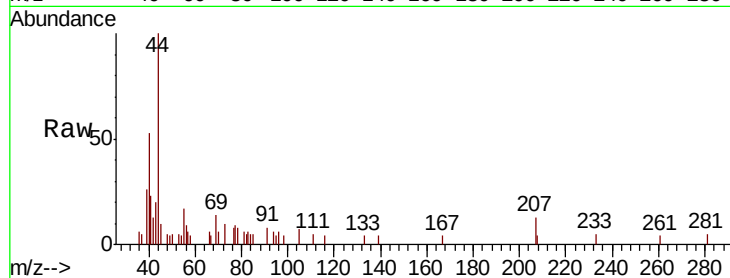




#30
Chloroform
Concen: 2.325 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.01 min
Lab File: VF062211.D
Acq: 18 Apr 2019 18:09

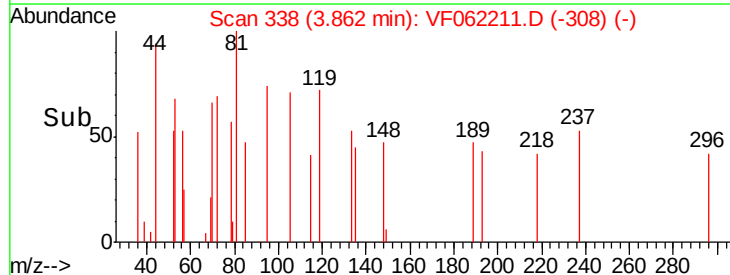
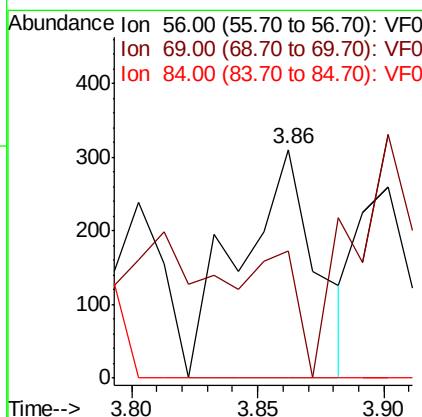
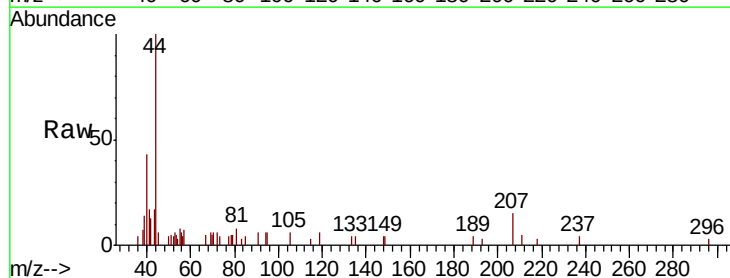
Instrument :
MSVOA_F
ClientSampled :

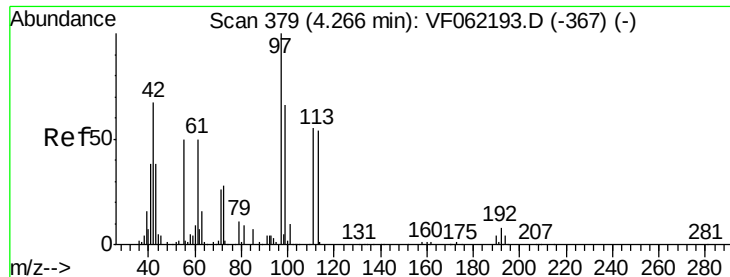
Tot Ion: 83 Resp: 493
Ion Ratio Lower Upper
83 100
85 72.3 51.8 77.8



#31
Cyclohexane
Concen: 3.192 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF062211.D
Acq: 18 Apr 2019 18:09

Tgt Ion: 56 Resp: 660
Ion Ratio Lower Upper
56 100
69 14.5 25.1 37.7#
84 0.0 67.8 101.6#





#32

1,1,1-Trichloroethane

Concen: 1.784 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

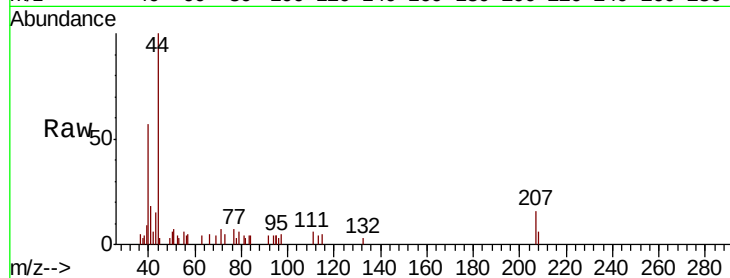
Tot Ion: 97 Resp: 277

Ion Ratio Lower Upper

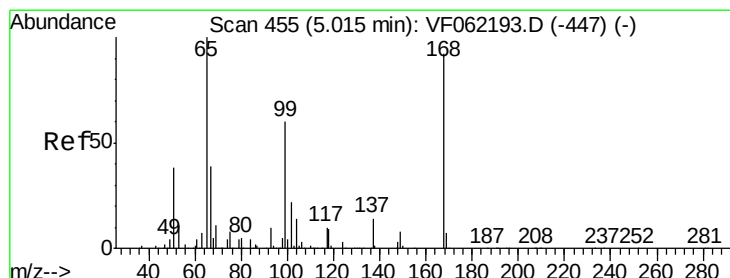
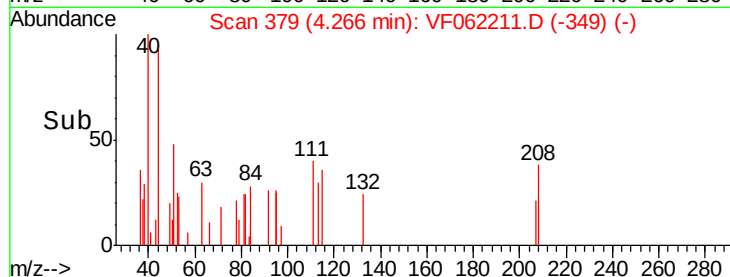
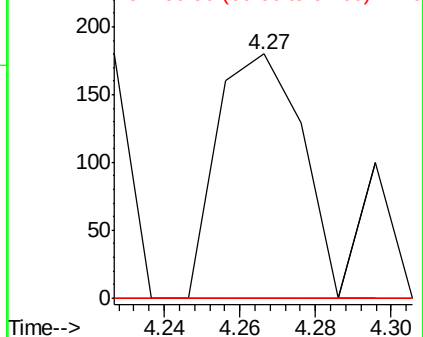
97 100

99 0.0 52.7 79.1#

61 0.0 53.0 79.4#



Abundance Ion 96.90 (96.60 to 97.60): VF0
Ion 98.90 (98.60 to 99.60): VF0
Ion 60.90 (60.60 to 61.60): VF0



#33

1,2-Dichloroethane-d4

Concen: 3.980 ug/l

RT: 5.27 min Scan# 481

Delta R.T. 0.26 min

Lab File: VF062211.D

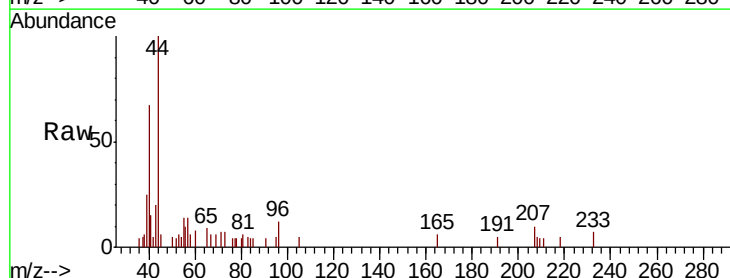
Acq: 18 Apr 2019 18:09

Tgt Ion: 65 Resp: 352

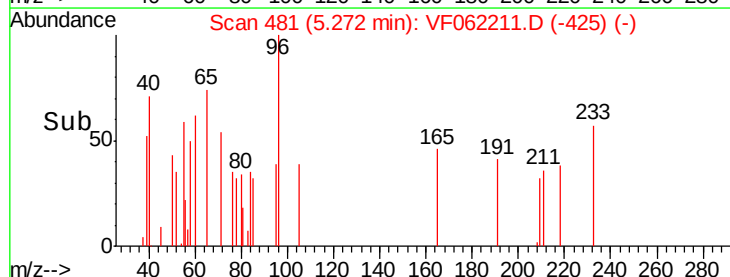
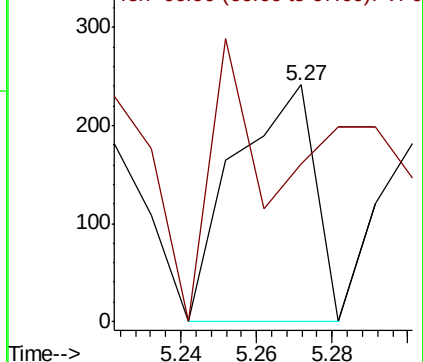
Ion Ratio Lower Upper

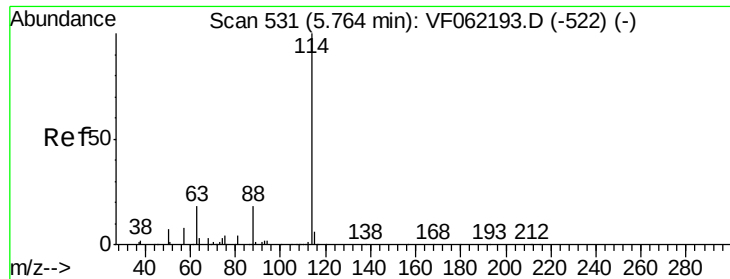
65 100

67 19.0 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VF0
Ion 66.90 (66.60 to 67.60): VF0

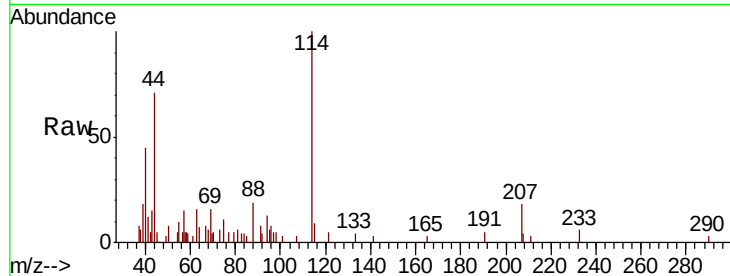




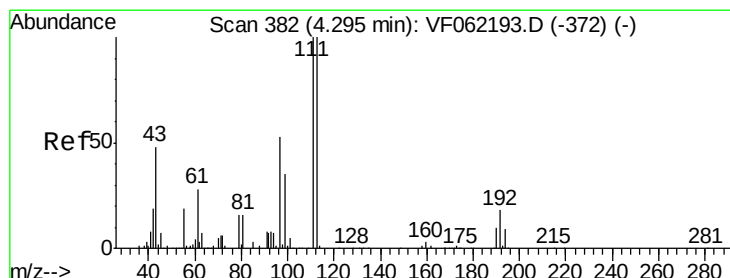
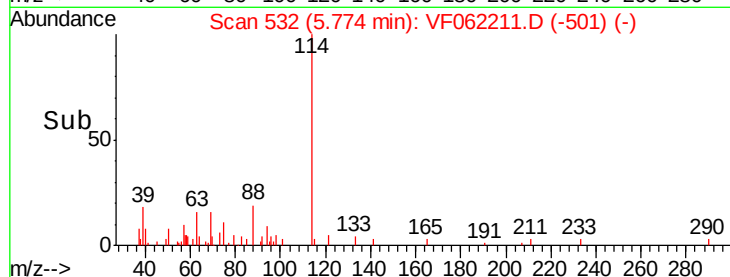
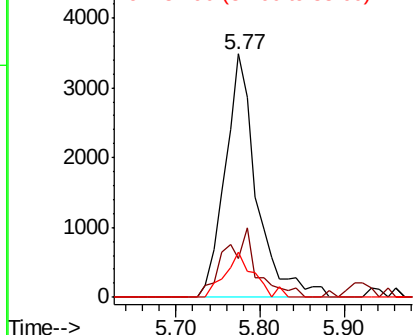
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VF062211.D
 Acq: 18 Apr 2019 18:09

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:114 Resp: 9060
 Ion Ratio Lower Upper
 114 100
 63 15.8 0.0 36.6
 88 18.8 0.0 35.8

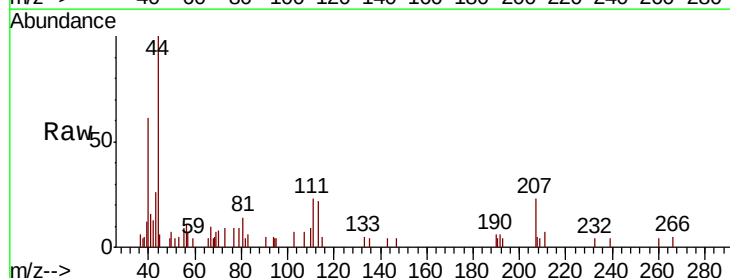


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 87.90 (87.60 to 88.60): VF0

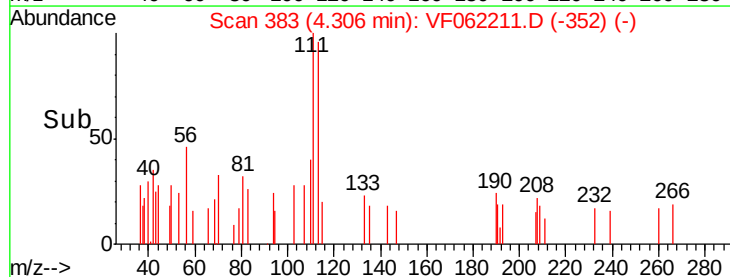
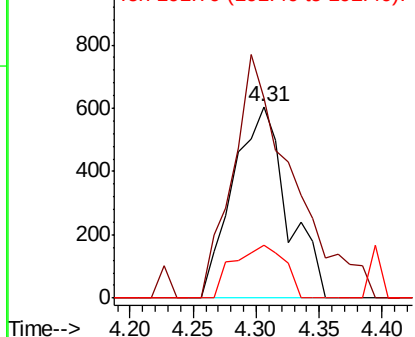


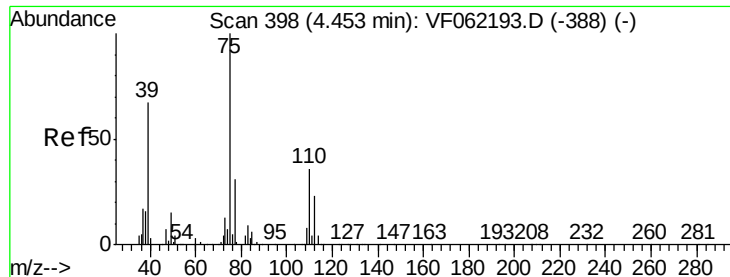
#35
 Dibromofluoromethane
 Concen: 22.927 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VF062211.D
 Acq: 18 Apr 2019 18:09

Tgt Ion:113 Resp: 1817
 Ion Ratio Lower Upper
 113 100
 111 140.2 81.1 121.7#
 192 26.0 14.7 22.1#



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





#36

1,1-Dichloropropene

Concen: 1.703 ug/l

RT: 4.47 min Scan# 400

Delta R.T. 0.02 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampled :

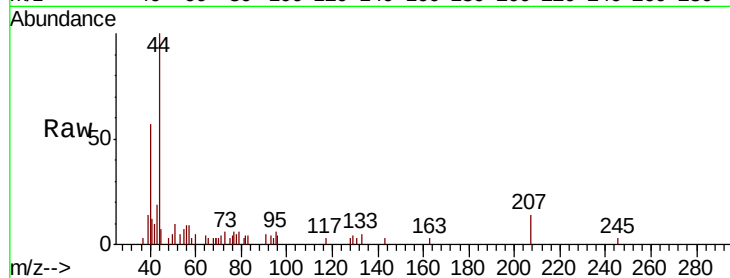
Tot Ion: 75 Resp: 185

Ion Ratio Lower Upper

75 100

110 39.5 18.4 55.2

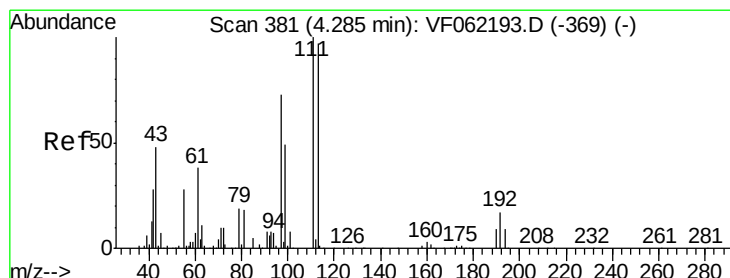
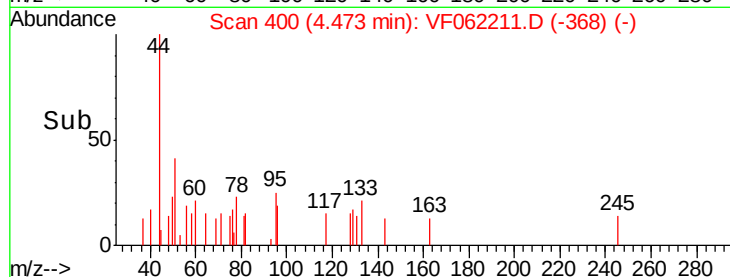
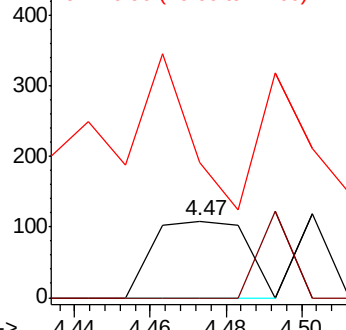
77 98.4 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 109.90 (109.60 to 110.60): VF0

Ion 76.90 (76.60 to 77.60): VF0



#37

Ethyl Acetate

Concen: 13.656 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

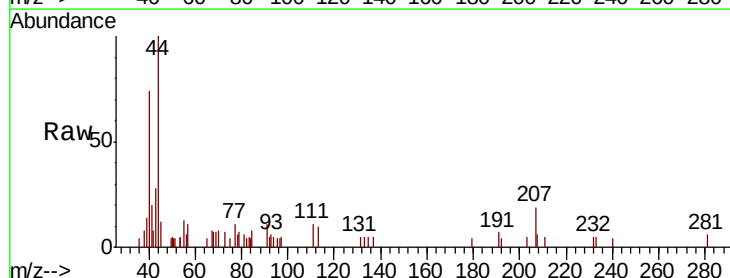
Tgt Ion: 43 Resp: 700

Ion Ratio Lower Upper

43 100

61 0.0 0.0 0.0

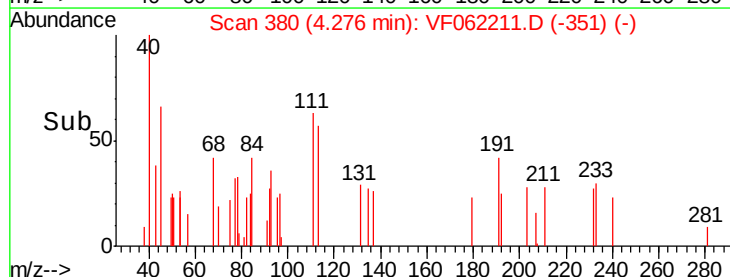
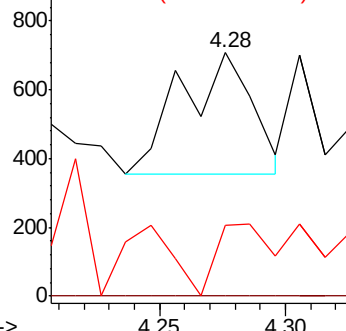
70 45.3 7.8 11.6#

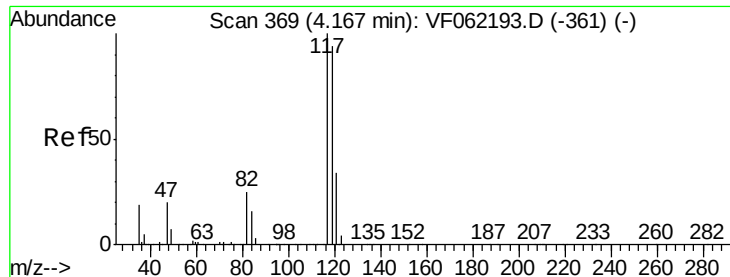


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 70.00 (69.70 to 70.70): VF0





#38

Carbon Tetrachloride

Concen: 0.697 ug/l

RT: 4.22 min Scan# 374

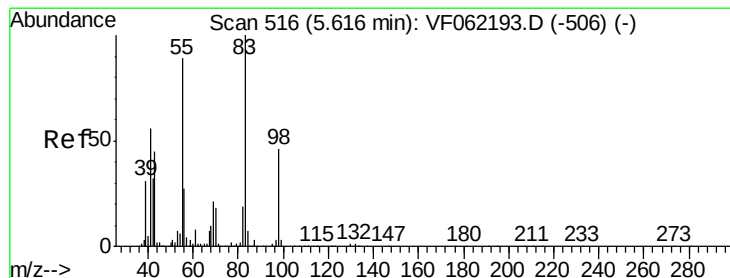
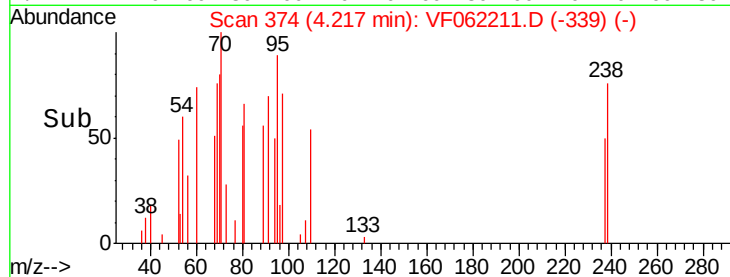
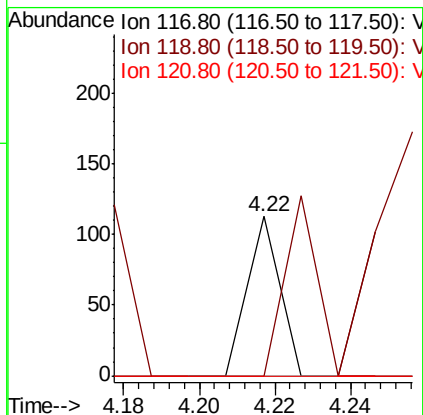
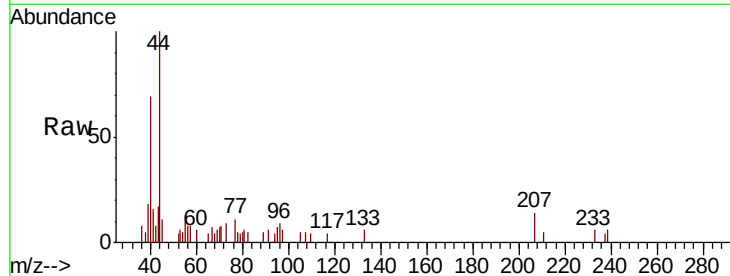
Delta R.T. 0.05 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:117	Resp:	67
Ion Ratio	Lower	Upper
117	100	
119	0.0	75.0 112.4#
121	0.0	26.9 40.3#



#39

Methylcyclohexane

Concen: 2.138 ug/l

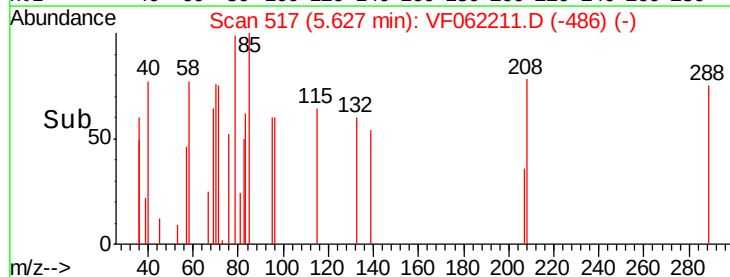
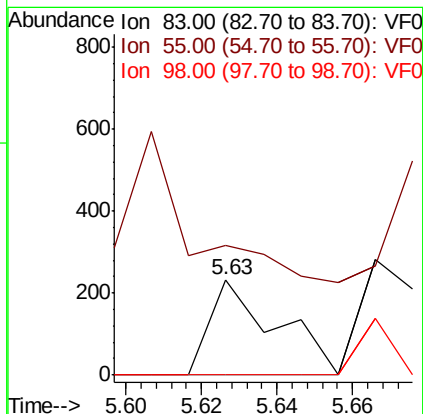
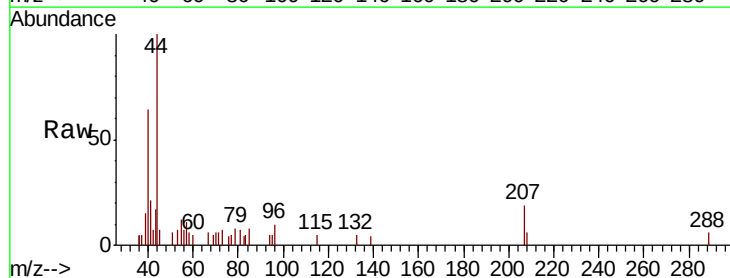
RT: 5.63 min Scan# 517

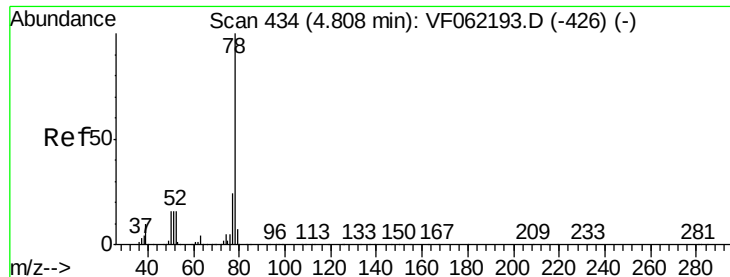
Delta R.T. 0.01 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

Tgt Ion: 83	Resp:	278
Ion Ratio	Lower	Upper
83	100	
55	38.6	71.0 106.6#
98	0.0	36.7 55.1#





#40

Benzene

Concen: 0.755 ug/l

RT: 4.82 min Scan# 435

Delta R.T. 0.01 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

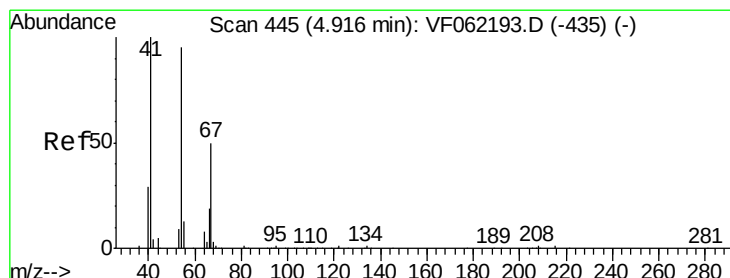
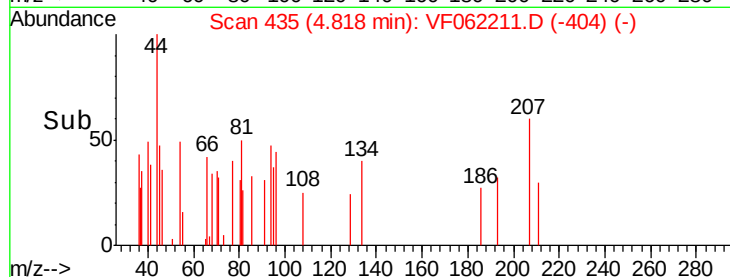
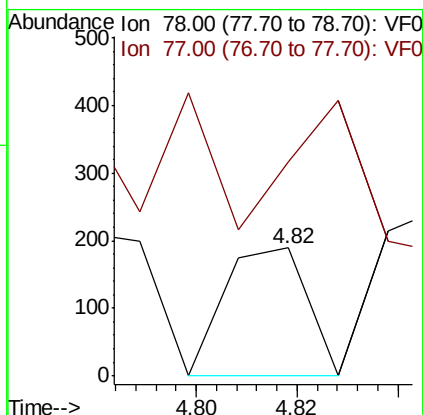
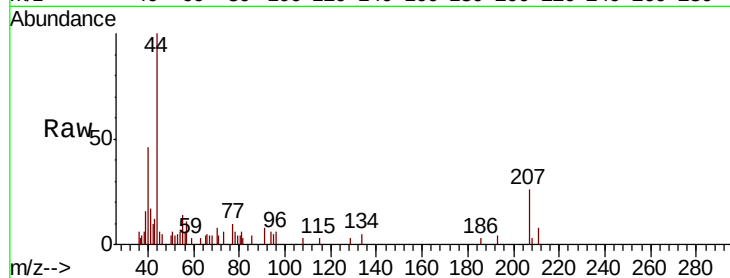
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 78 Resp: 215

Ion Ratio Lower Upper

78 100

77 0.0 18.9 28.3#



#41

Methacrylonitrile

Concen: 13.190 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.01 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

Tgt Ion: 41 Resp: 390

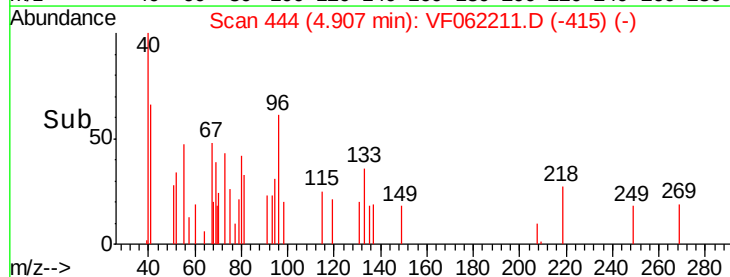
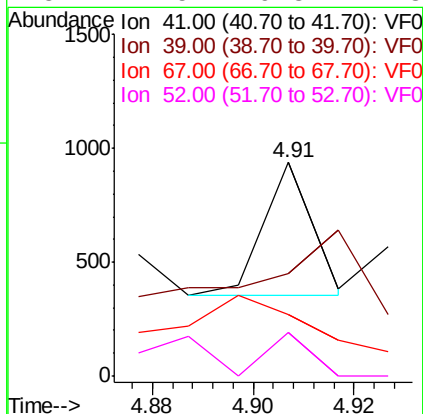
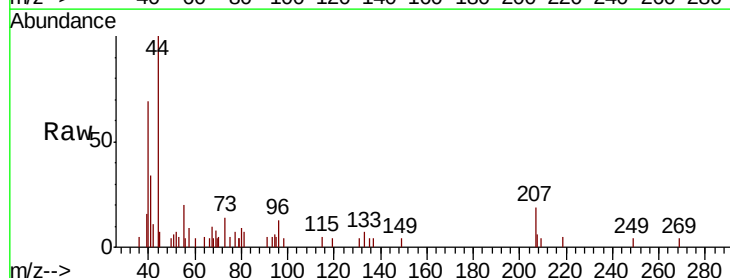
Ion Ratio Lower Upper

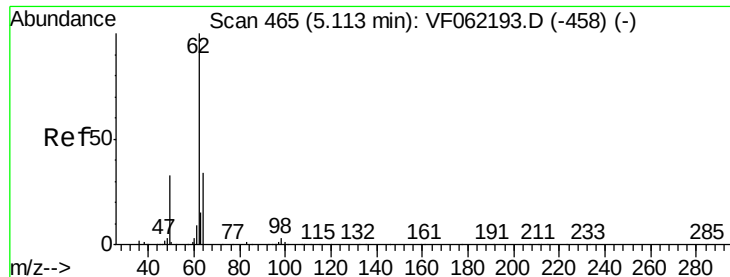
41 100

39 119.0 44.7 67.1#

67 88.5 39.1 58.7#

52 71.5 49.8 74.8





#42

1,2-Dichloroethane

Concen: 1.049 ug/l

RT: 5.25 min Scan# 479

Delta R.T. 0.14 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

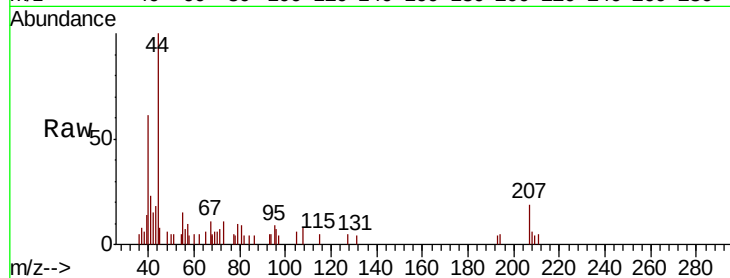
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 62 Resp: 79

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

5.25

150

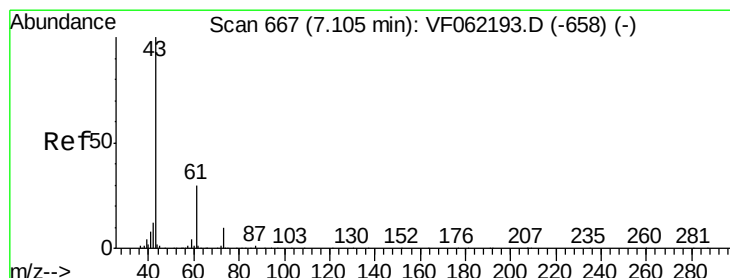
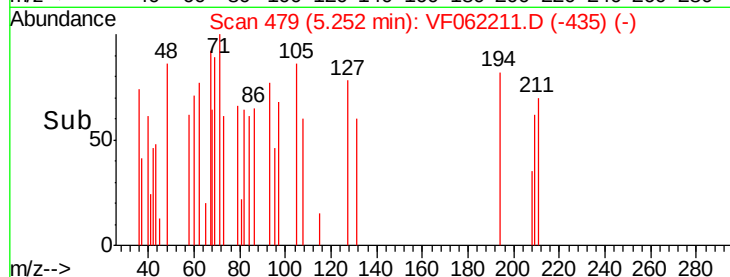
100

50

0

5.22 5.24 5.26 5.28

Time-->



#43

Isopropyl Acetate

Concen: 28.028 ug/l

RT: 7.13 min Scan# 670

Delta R.T. 0.03 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

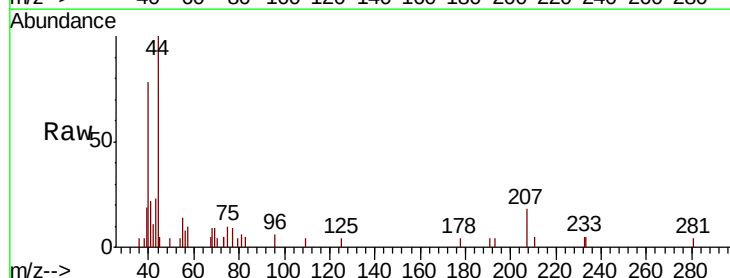
Tgt Ion: 43 Resp: 1511

Ion Ratio Lower Upper

43 100

61 0.0 24.4 36.6#

87 0.0 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1000

800

600

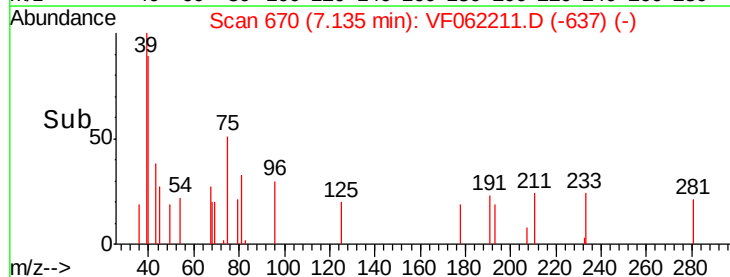
400

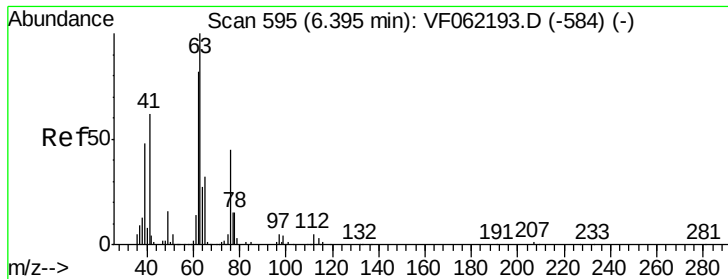
200

0

7.10 7.15

Time-->

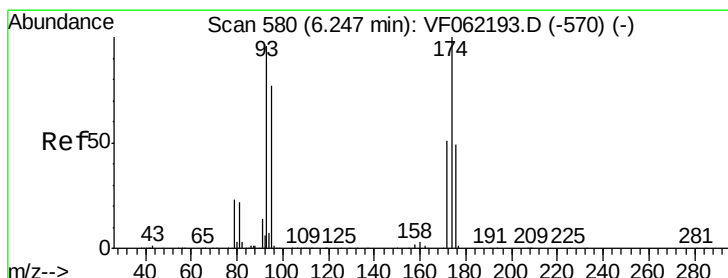
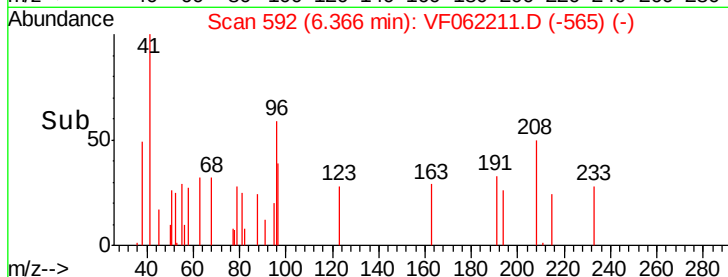
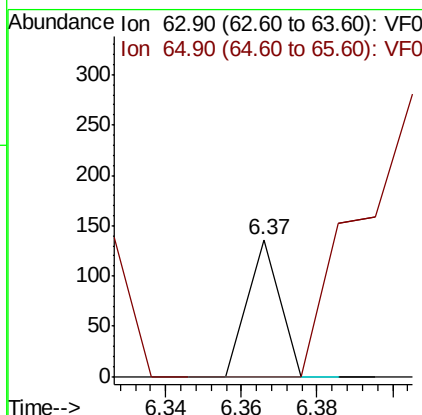
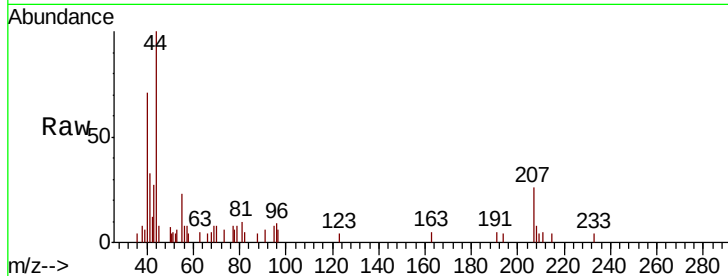




#45
 1,2-Dichloropropane
 Concen: 1.275 ug/l
 RT: 6.37 min Scan# 592
 Delta R.T. -0.03 min
 Lab File: VF062211.D
 Acq: 18 Apr 2019 18:09

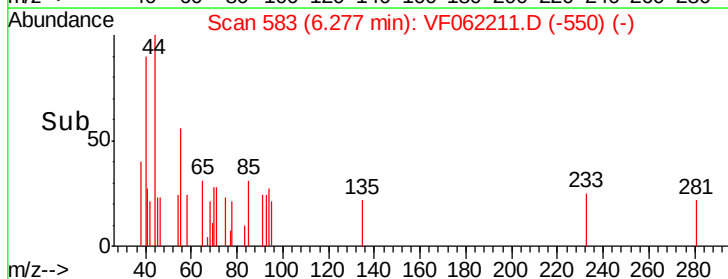
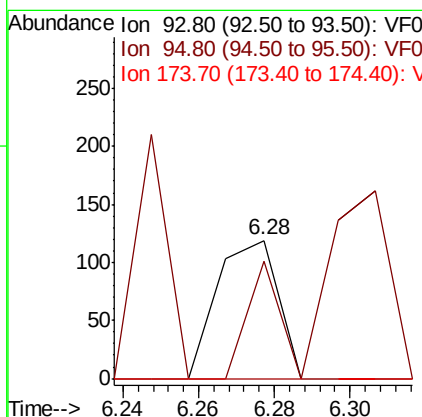
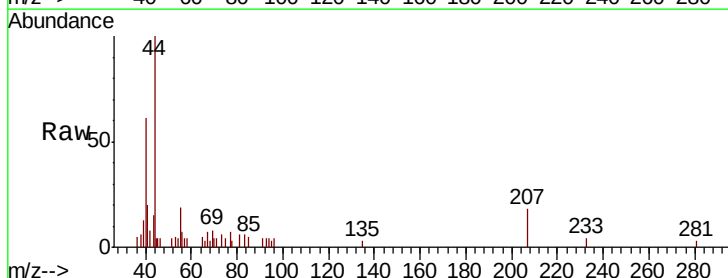
Instrument :
 MSVOA_F
 ClientSampled :

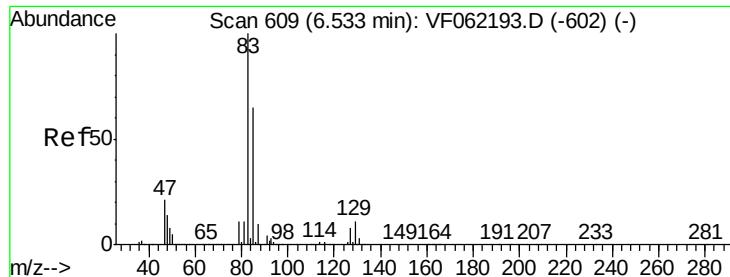
Tot Ion: 63 Resp: 80
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.9 38.9#



#46
 Dibromomethane
 Concen: 3.137 ug/l
 RT: 6.28 min Scan# 583
 Delta R.T. 0.03 min
 Lab File: VF062211.D
 Acq: 18 Apr 2019 18:09

Tgt Ion: 93 Resp: 131
 Ion Ratio Lower Upper
 93 100
 95 0.0 65.1 97.7#
 174 0.0 81.8 122.6#





#47

Bromodichloromethane

Concen: 1.963 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.03 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampled :

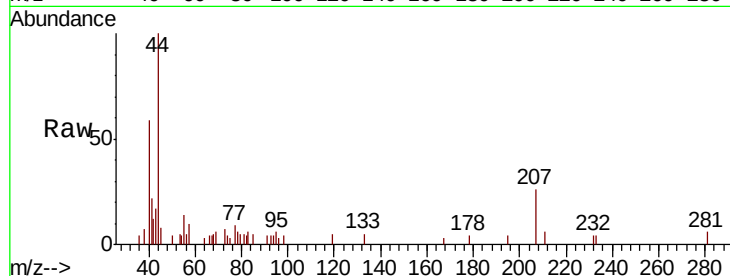
Tot Ion: 83 Resp: 185

Ion Ratio Lower Upper

83 100

85 29.5 52.2 78.4#

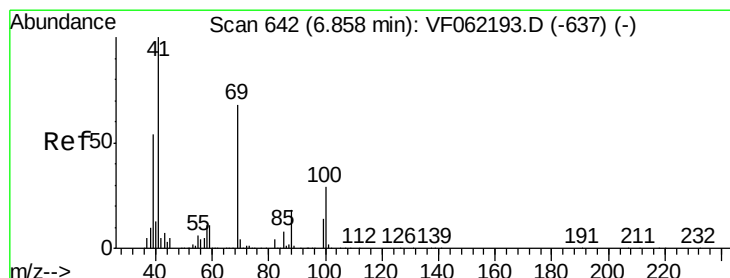
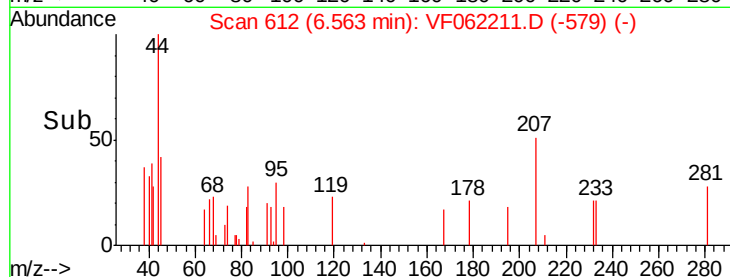
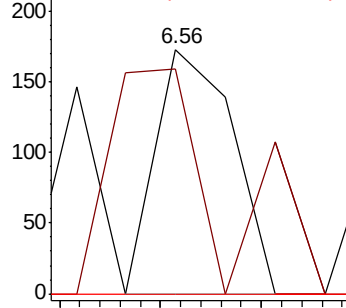
127 0.0 6.7 10.1#



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: 6.859 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.03 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

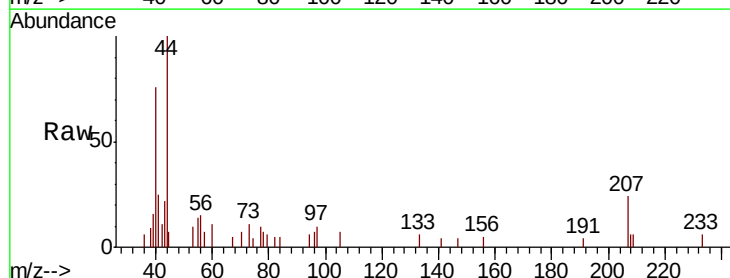
Tgt Ion: 41 Resp: 243

Ion Ratio Lower Upper

41 100

69 145.7 54.9 82.3#

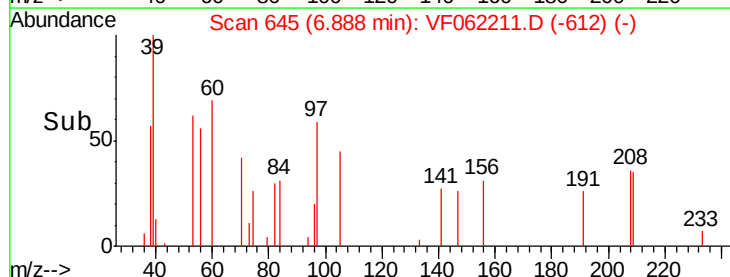
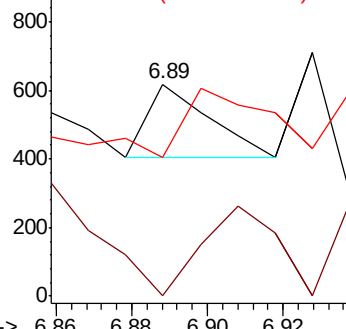
39 325.5 43.6 65.4#

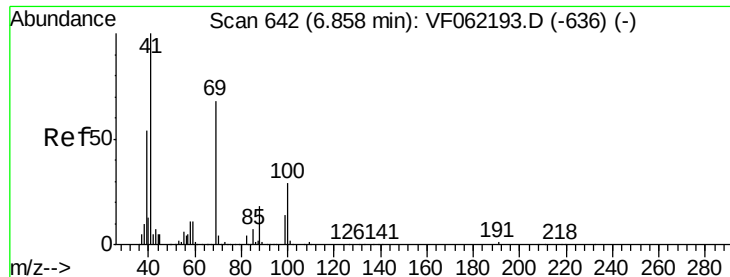


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 157.512 ug/l

RT: 6.65 min Scan# 621

Delta R.T. -0.21 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

Instrument :
MSVOA_F
ClientSampleId :

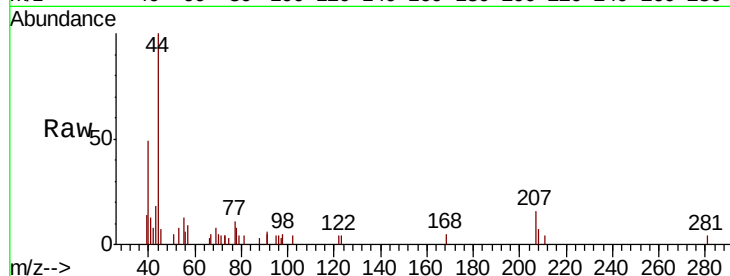
Tot Ion: 88 Resp: 64

Ion Ratio Lower Upper

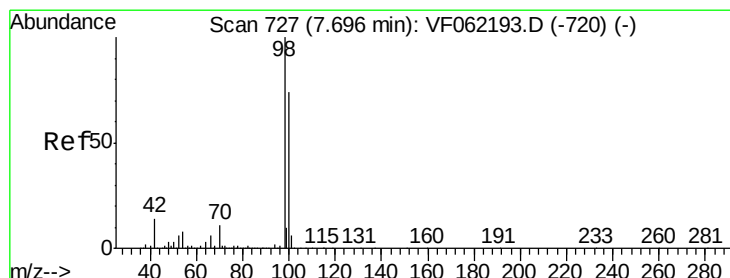
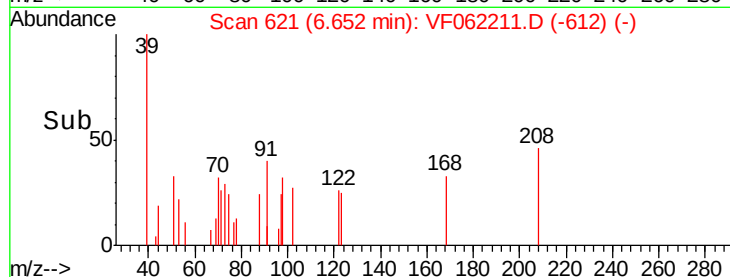
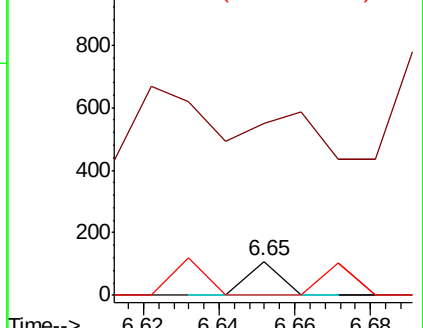
88 100

43 0.0 36.9 55.3#

58 112.5 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: 34.021 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.01 min

Lab File: VF062211.D

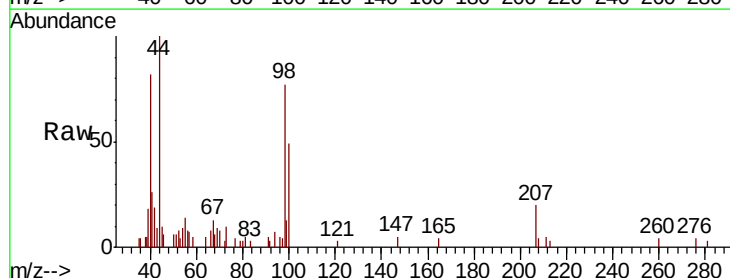
Acq: 18 Apr 2019 18:09

Tgt Ion: 98 Resp: 6825

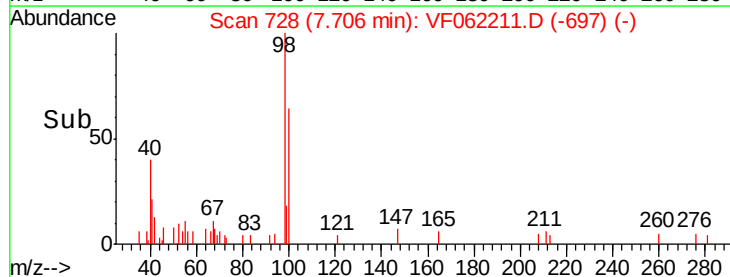
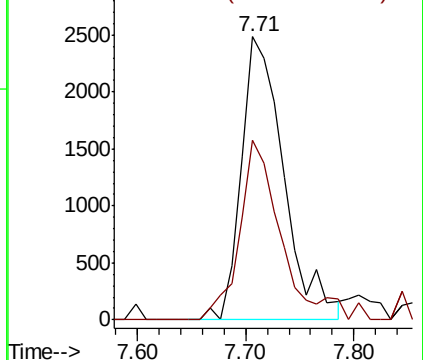
Ion Ratio Lower Upper

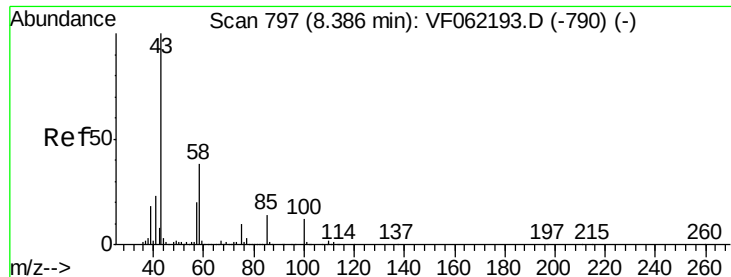
98 100

100 62.3 56.2 84.2



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





#51

4-Methyl-2-Pentanone

Concen: 7.332 ug/l

RT: 8.35 min Scan# 793

Delta R.T. -0.04 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

Instrument :

MSVOA_F

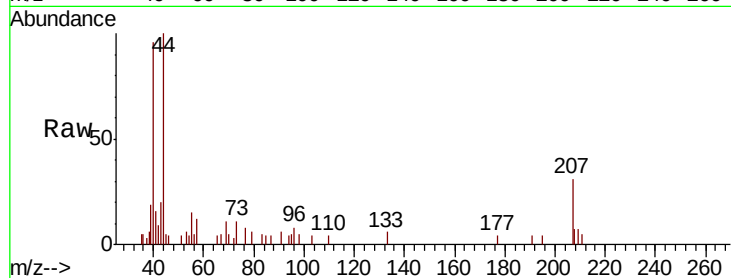
ClientSampled :

Tot Ion: 43 Resp: 294

Ion Ratio Lower Upper

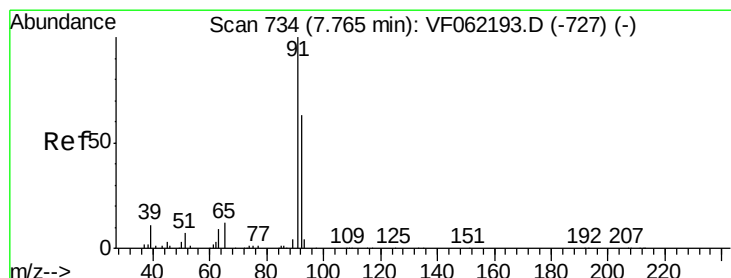
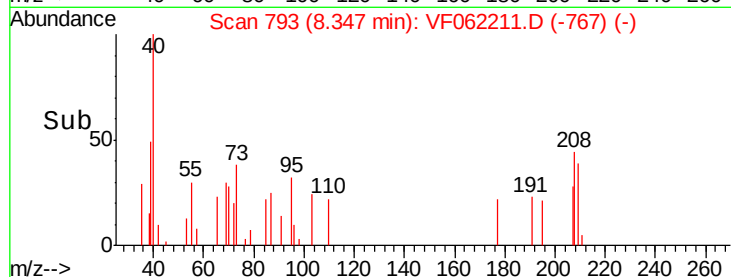
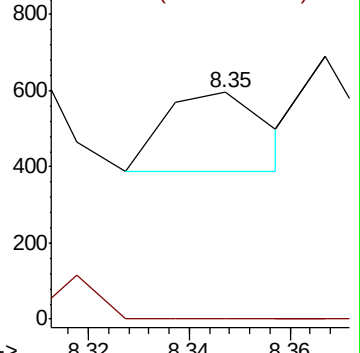
43 100

58 0.0 29.3 43.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 0.413 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.02 min

Lab File: VF062211.D

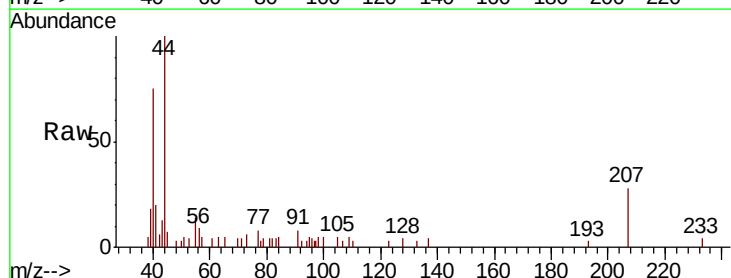
Acq: 18 Apr 2019 18:09

Tgt Ion: 92 Resp: 62

Ion Ratio Lower Upper

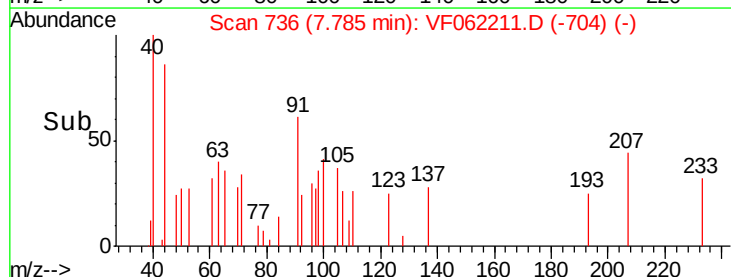
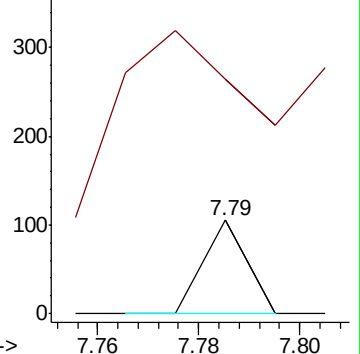
92 100

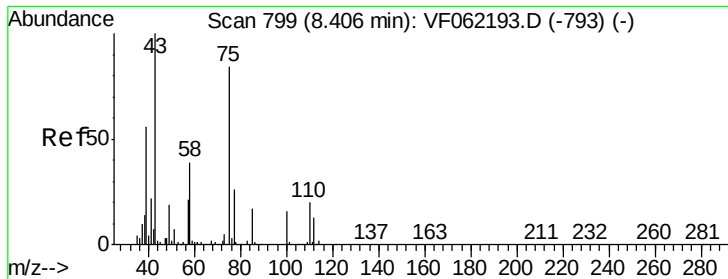
91 2348.4 130.1 195.1#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

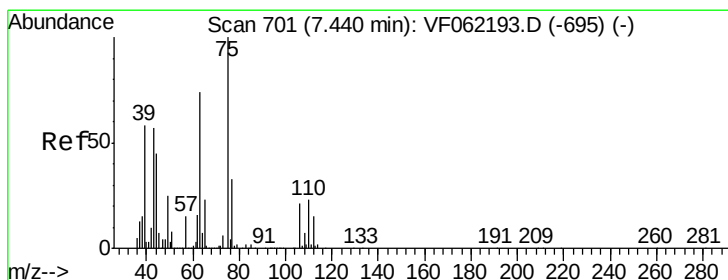
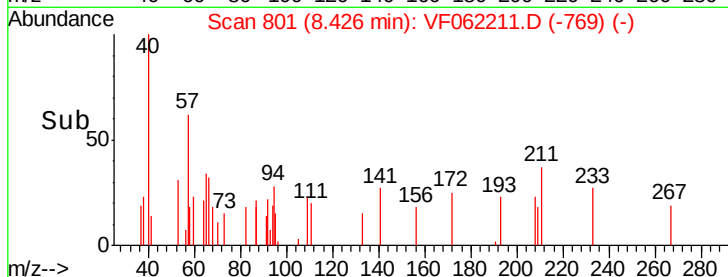
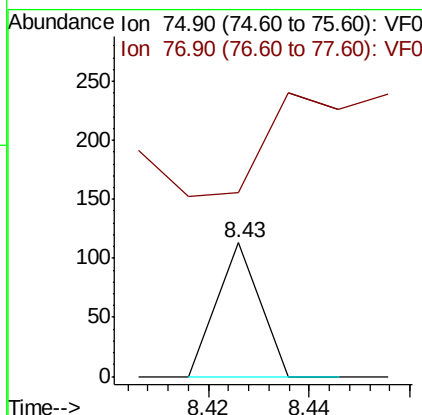
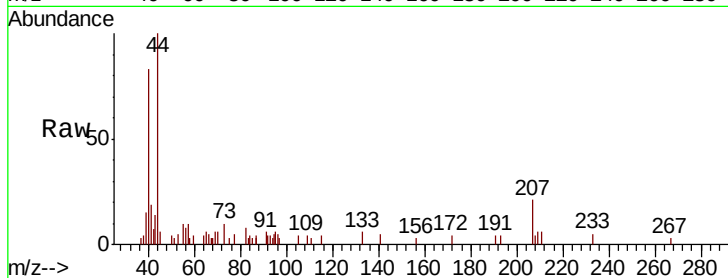




#53
 t-1,3-Dichloropropene
 Concen: 0.947 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. 0.02 min
 Lab File: VF062211.D
 Acq: 18 Apr 2019 18:09

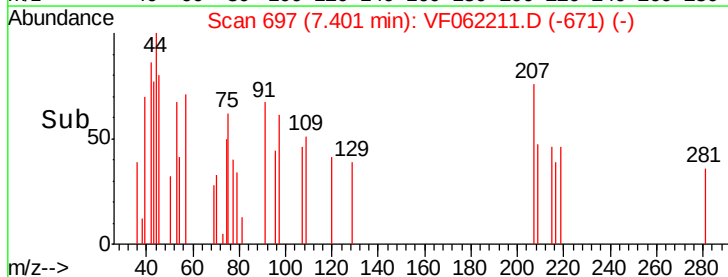
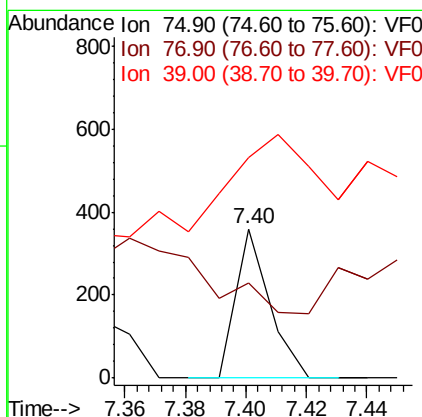
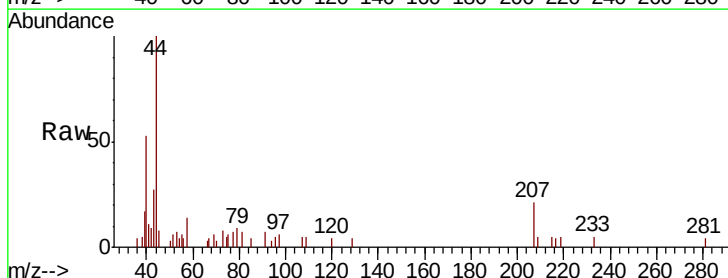
Instrument :
 MSVOA_F
 ClientSampled :

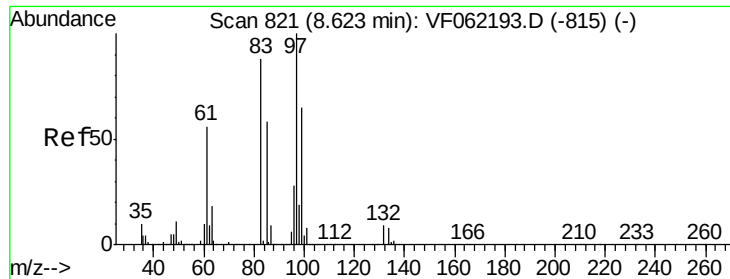
Tot Ion: 75 Resp: 67
 Ion Ratio Lower Upper
 75 100
 77 3.5 24.6 36.8#



#54
 cis-1,3-Dichloropropene
 Concen: 2.925 ug/l
 RT: 7.40 min Scan# 697
 Delta R.T. -0.04 min
 Lab File: VF062211.D
 Acq: 18 Apr 2019 18:09

Tgt Ion: 75 Resp: 280
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 49.4 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 2.329 ug/l

RT: 8.64 min Scan# 823

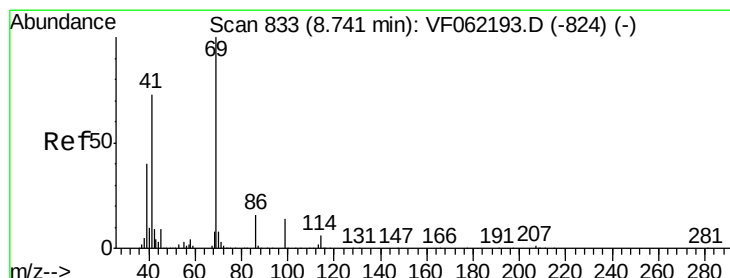
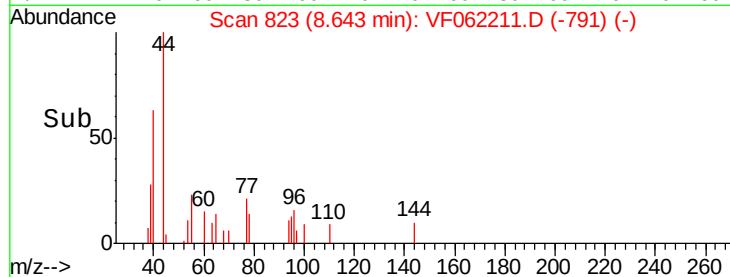
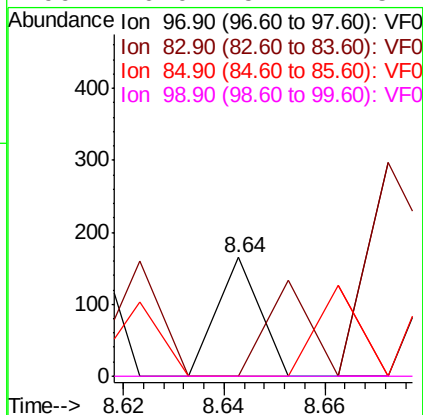
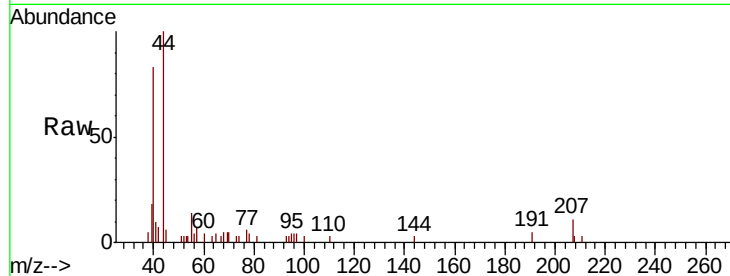
Delta R.T. 0.02 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	97	Resp:	98
Ion	Ratio	Lower	Upper
97	100		
83	0.0	70.2	105.2#
85	0.0	46.2	69.4#
99	0.0	52.2	78.4#



#56

Ethyl methacrylate

Concen: 10.390 ug/l

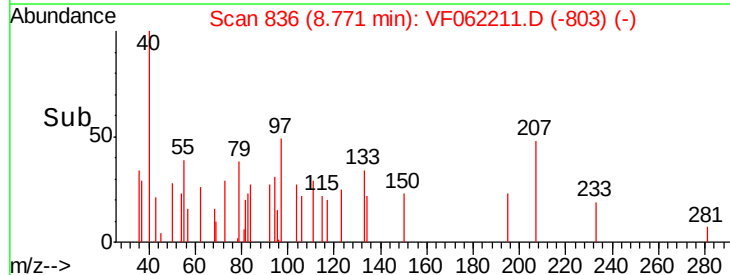
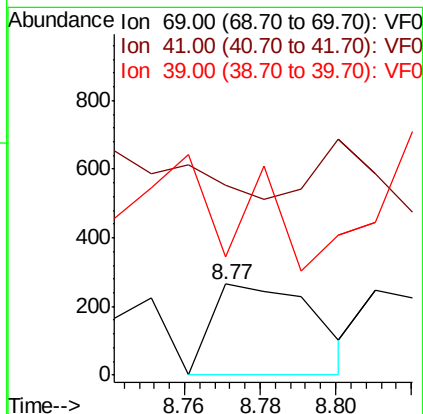
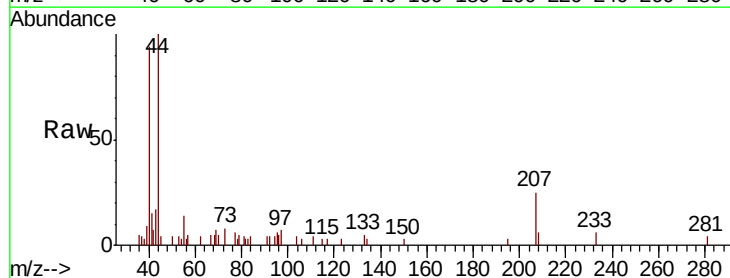
RT: 8.77 min Scan# 836

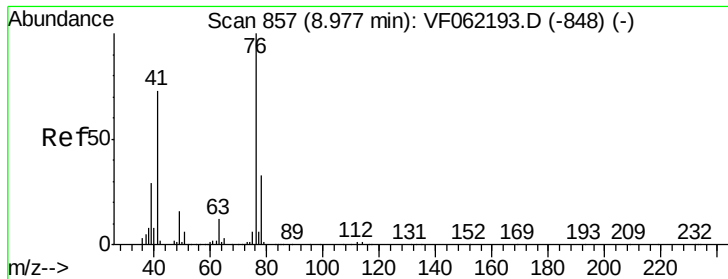
Delta R.T. 0.03 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

Tgt Ion:	69	Resp:	497
Ion	Ratio	Lower	Upper
69	100		
41	0.0	61.5	92.3#
39	0.0	33.3	49.9#





#57

1,3-Dichloropropane

Concen: 0.883 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.03 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

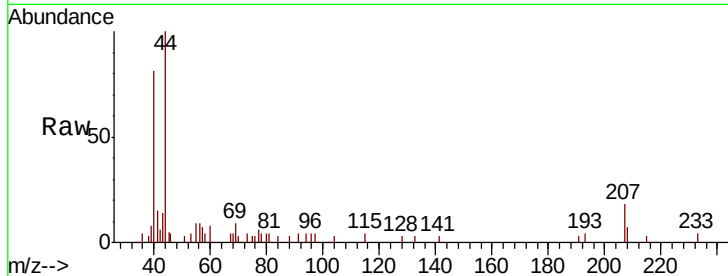
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 60

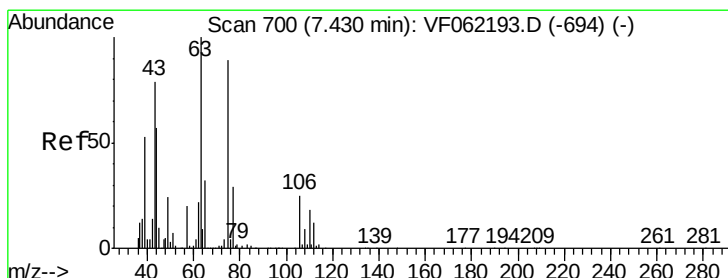
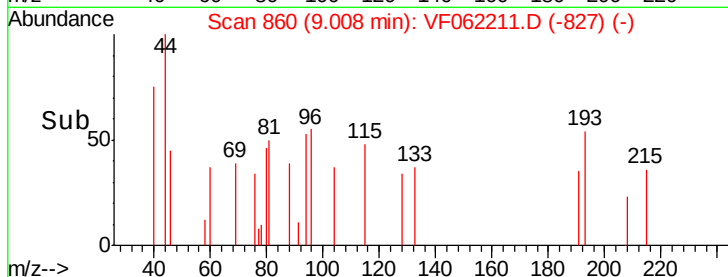
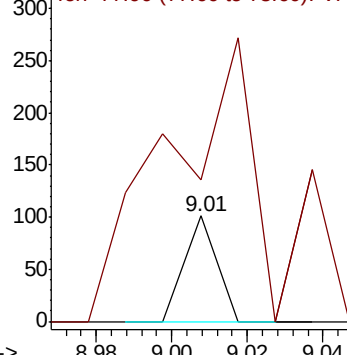
Ion Ratio Lower Upper

76 100

78 845.0 26.5 39.7#



Abundance Ion 75.90 (75.60 to 76.60): VF0
Ion 77.90 (77.60 to 78.60): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 4.968 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.03 min

Lab File: VF062211.D

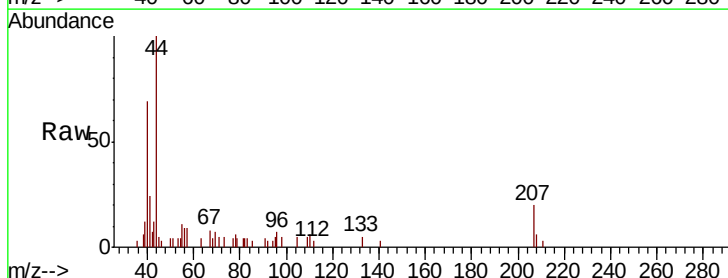
Acq: 18 Apr 2019 18:09

Tgt Ion: 63 Resp: 69

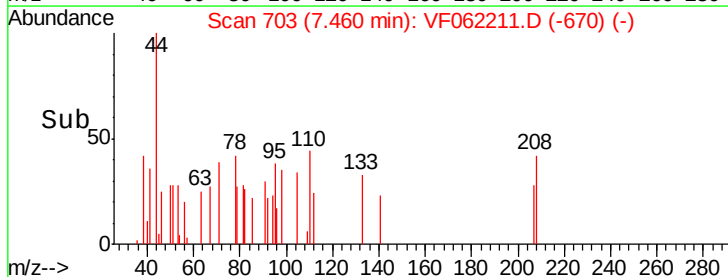
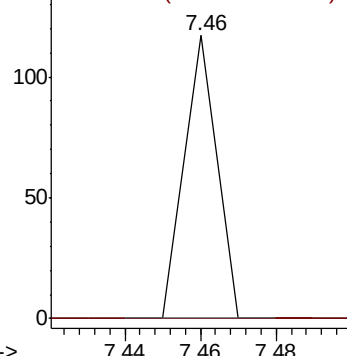
Ion Ratio Lower Upper

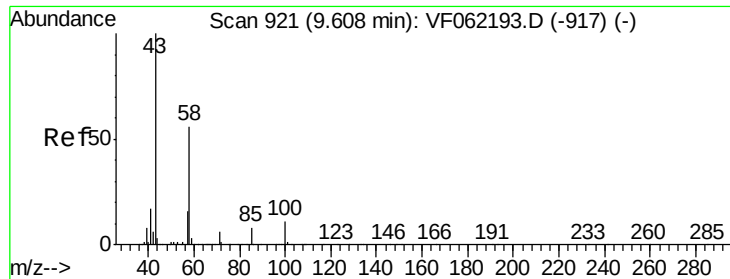
63 100

106 0.0 21.4 32.0#



Abundance Ion 62.90 (62.60 to 63.60): VF0
Ion 105.90 (105.60 to 106.60): V

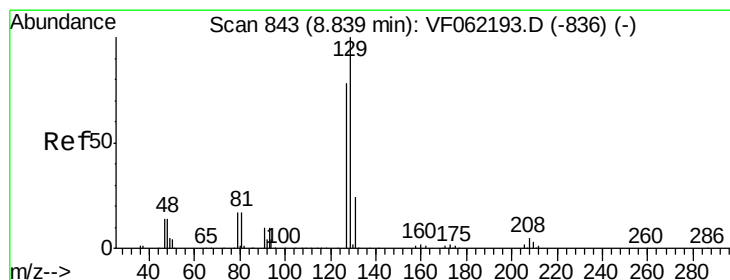
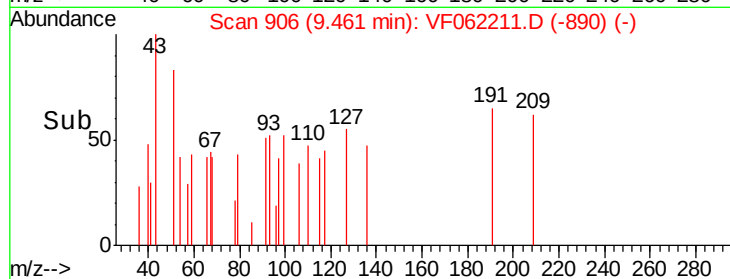
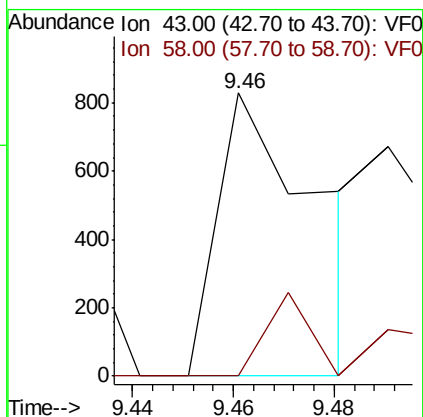
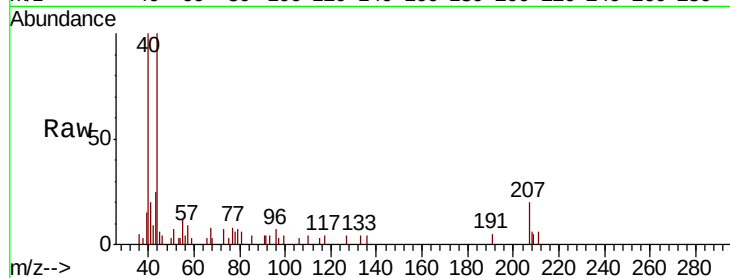




#59
2-Hexanone
Concen: 45.103 ug/l
RT: 9.46 min Scan# 906
Delta R.T. -0.15 min
Lab File: VF062211.D
Acq: 18 Apr 2019 18:09

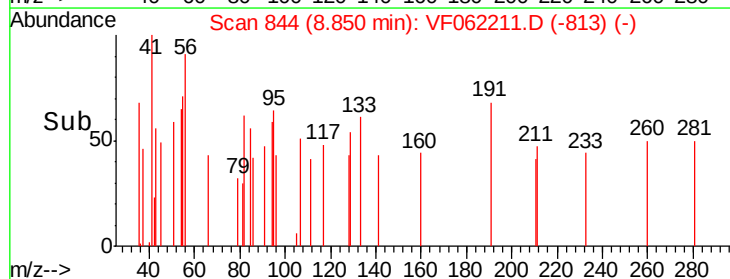
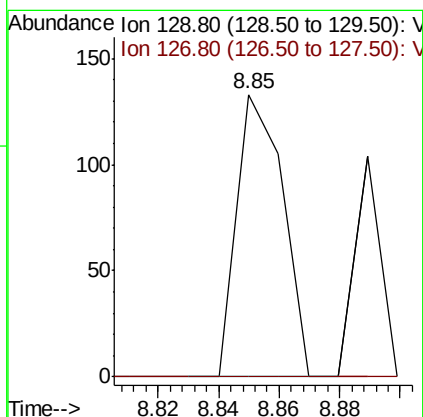
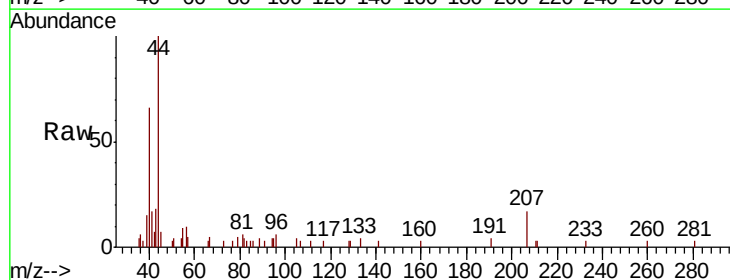
Instrument :
MSVOA_F
ClientSampled :

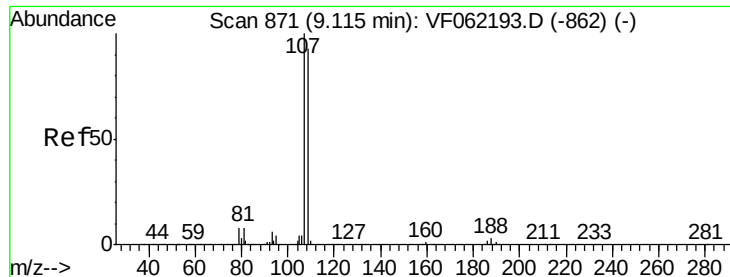
Tot Ion: 43 Resp: 1125
Ion Ratio Lower Upper
43 100
58 26.2 24.6 74.0



#60
Dibromochloromethane
Concen: 2.253 ug/l
RT: 8.85 min Scan# 844
Delta R.T. 0.01 min
Lab File: VF062211.D
Acq: 18 Apr 2019 18:09

Tgt Ion: 129 Resp: 141
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#





#61

1,2-Dibromoethane

Concen: 1.878 ug/l

RT: 9.19 min Scan# 879

Delta R.T. 0.08 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

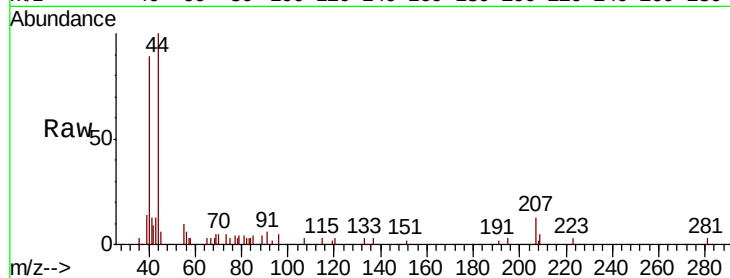
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 107 Resp: 89

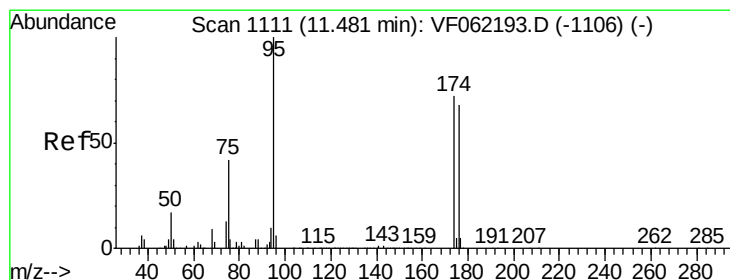
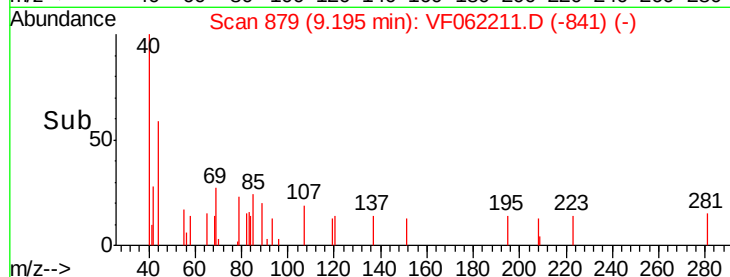
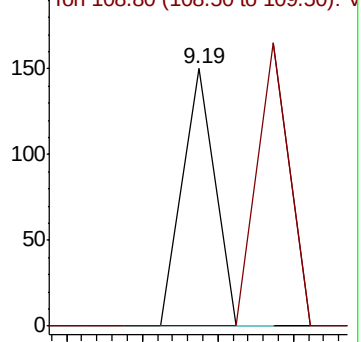
Ion Ratio Lower Upper

107 100

109 110.1 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V



#62

4-Bromofluorobenzene

Concen: 7.852 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

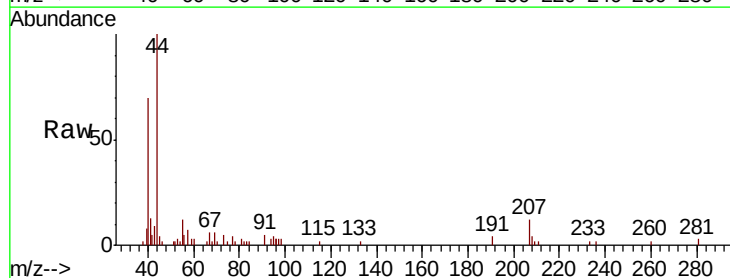
Tgt Ion: 95 Resp: 606

Ion Ratio Lower Upper

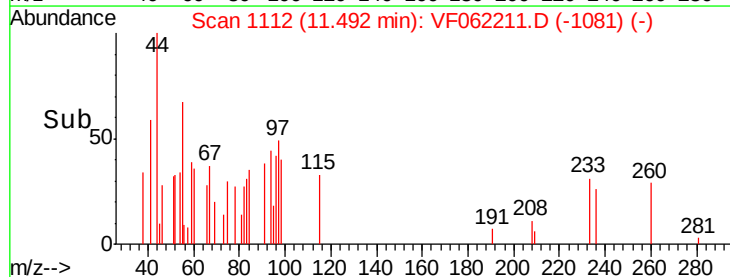
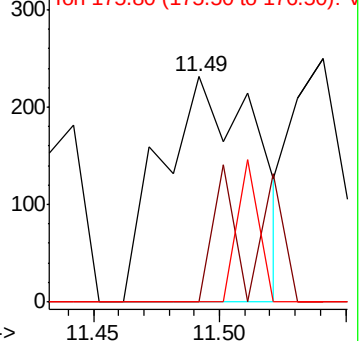
95 100

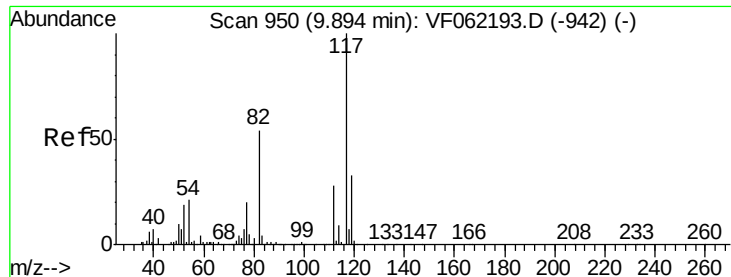
174 26.6 0.0 159.4

176 14.2 0.0 155.4



Abundance Ion 94.90 (94.60 to 95.60): VF0

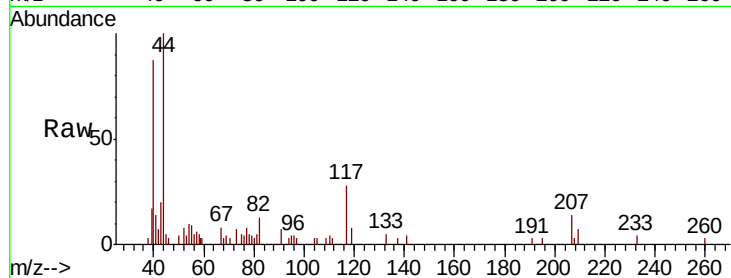




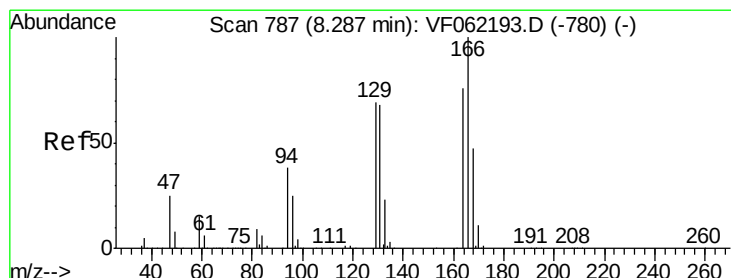
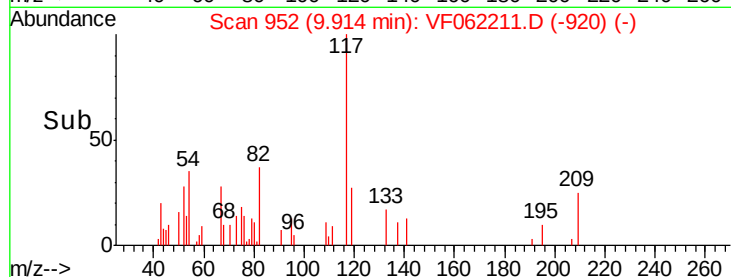
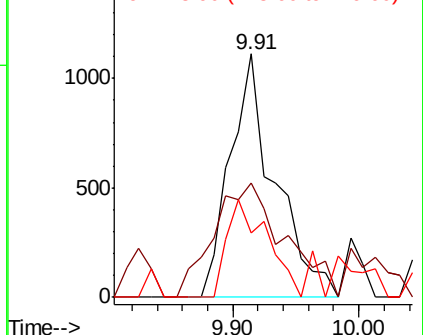
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.02 min
Lab File: VF062211.D
Acq: 18 Apr 2019 18:09

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	46.9	43.2	64.8
119	26.5	26.2	39.4

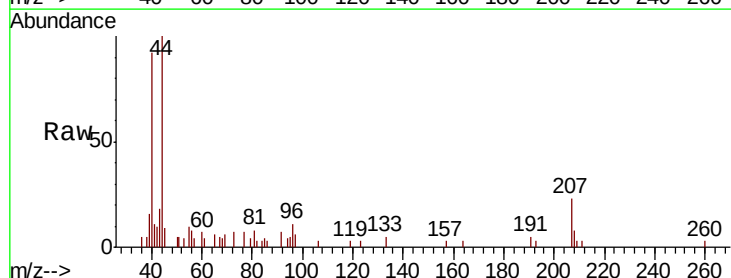


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

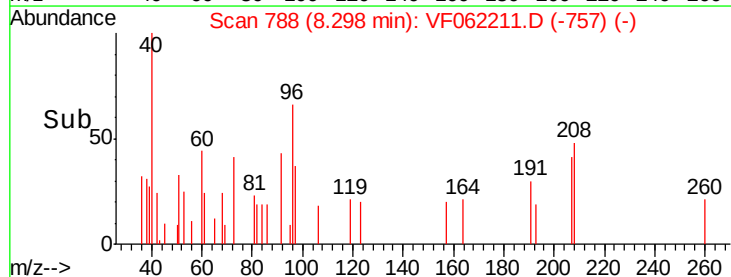
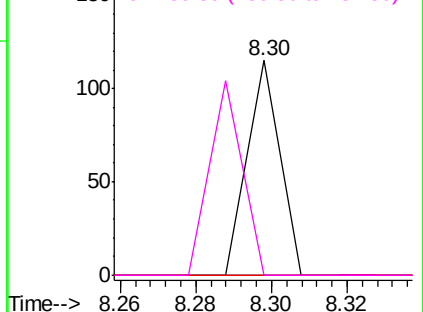


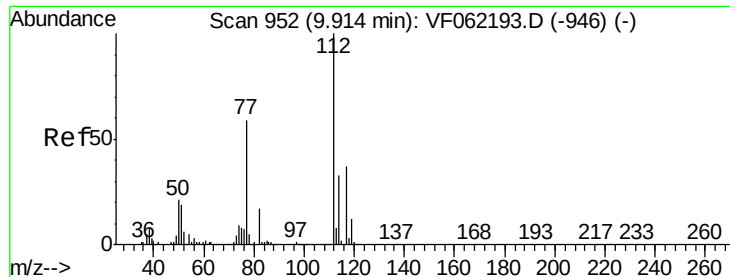
#64
Tetrachloroethene
Concen: 2.764 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.01 min
Lab File: VF062211.D
Acq: 18 Apr 2019 18:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	0.0	104.7	157.1#
129	0.0	72.6	109.0#
131	0.0	71.6	107.4#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 1.119 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.15 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

Instrument :

MSVOA_F

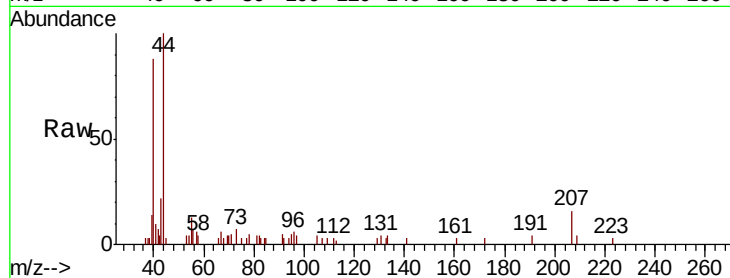
ClientSampleId :

Tot Ion:112 Resp: 65

Ion Ratio Lower Upper

112 100

114 0.0 26.1 39.1#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.06

100

80

60

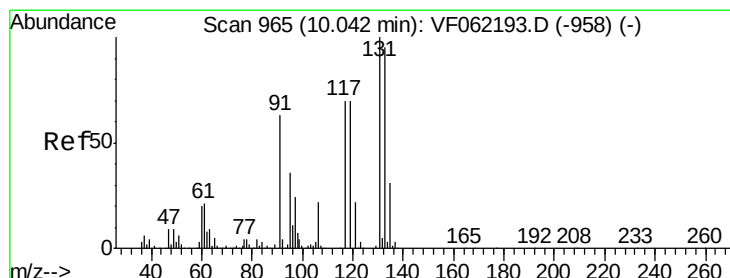
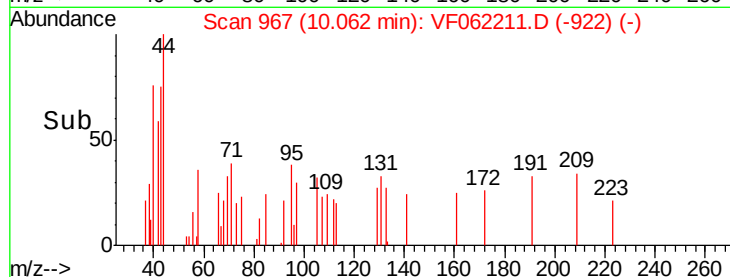
40

20

0

10.04 10.06 10.08

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 3.491 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.02 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

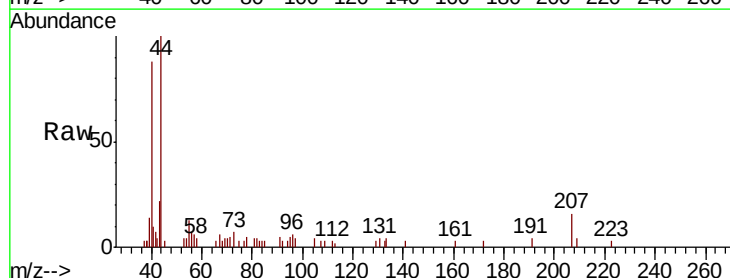
Tgt Ion:131 Resp: 95

Ion Ratio Lower Upper

131 100

133 329.5 47.7 143.1#

119 0.0 34.6 103.9#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

300

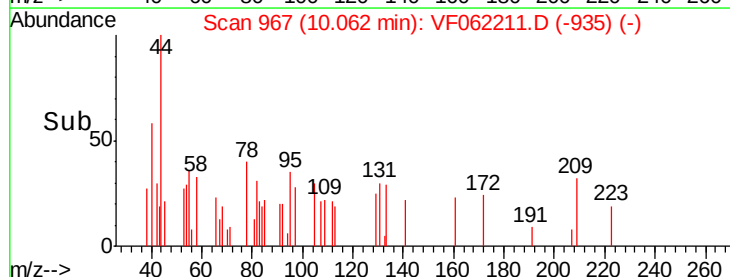
200

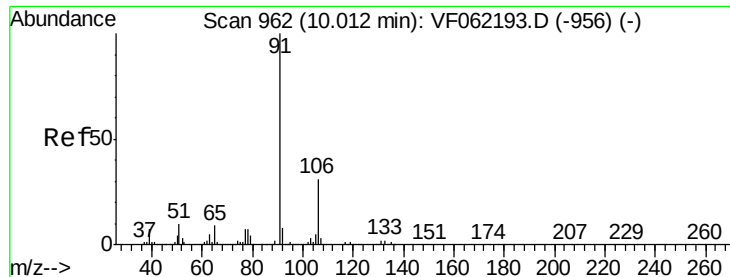
100

0

10.04 10.06 10.08

Time-->





#67

Ethyl Benzene

Concen: 5.064 ug/l

RT: 10.00 min Scan# 961

Delta R.T. -0.01 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

Instrument :

MSVOA_F

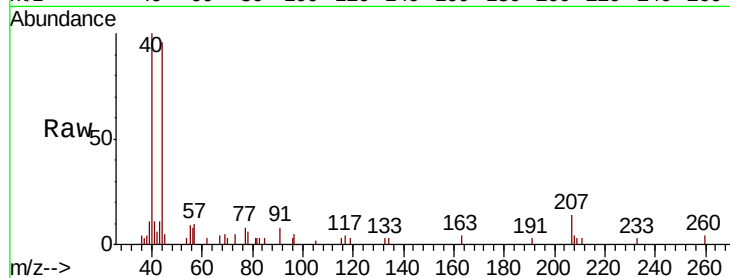
ClientSampled :

Tot Ion: 91 Resp: 535

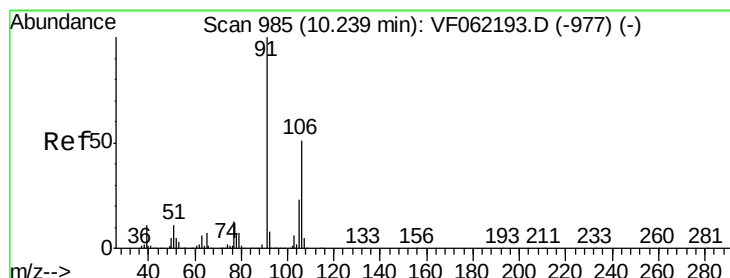
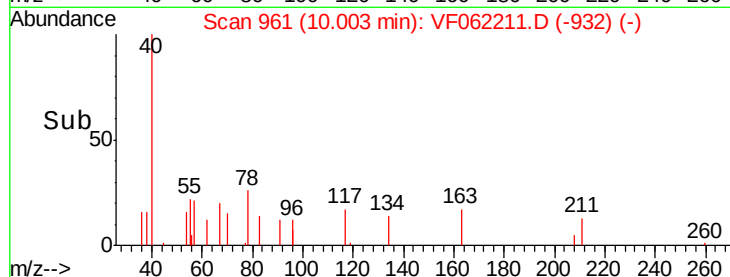
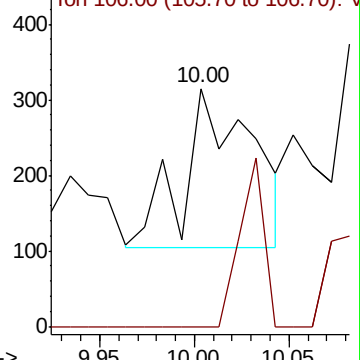
Ion Ratio Lower Upper

91 100

106 0.0 24.9 37.3#



Abundance Ion 91.00 (90.70 to 91.70): VF0



#68

m/p-Xylenes

Concen: 3.805 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.03 min

Lab File: VF062211.D

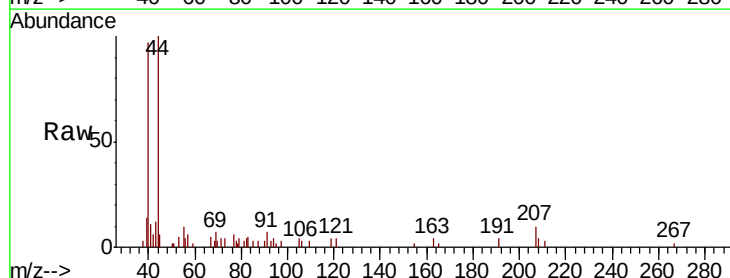
Acq: 18 Apr 2019 18:09

Tgt Ion: 106 Resp: 148

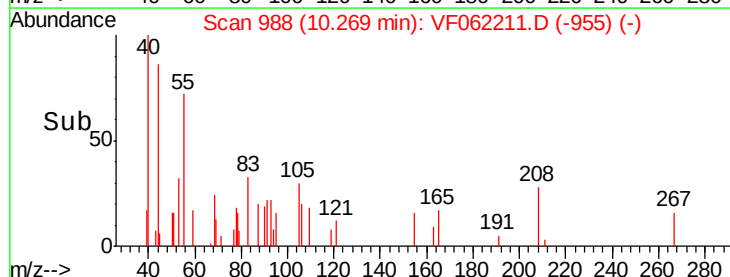
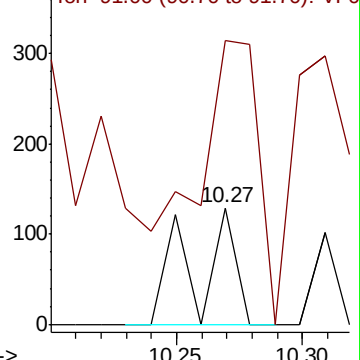
Ion Ratio Lower Upper

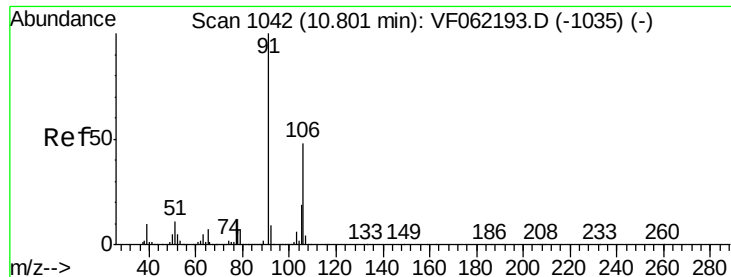
106 100

91 360.8 159.1 238.7#



Abundance Ion 106.00 (105.70 to 106.70): V

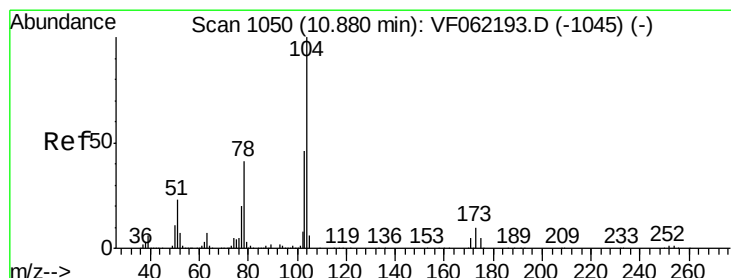
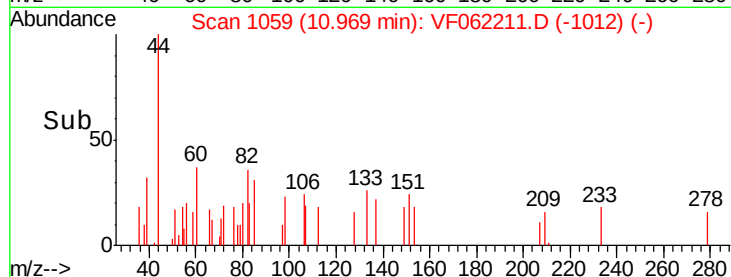
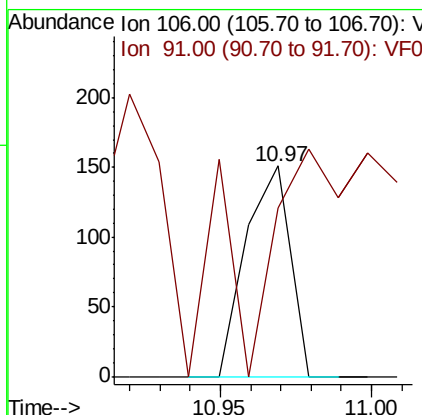
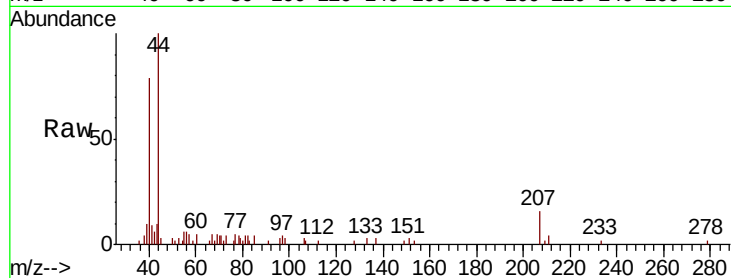




#69
o-Xylene
Concen: 3.566 ug/l
RT: 10.97 min Scan# 1059
Delta R.T. 0.17 min
Lab File: VF062211.D
Acq: 18 Apr 2019 18:09

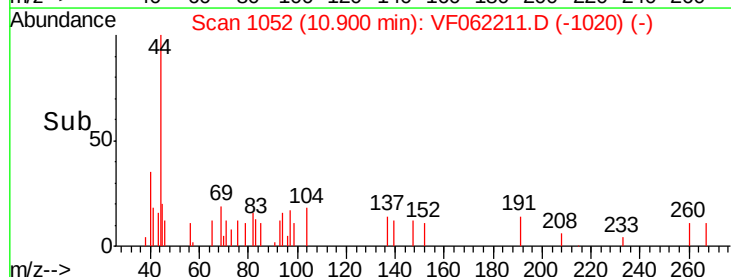
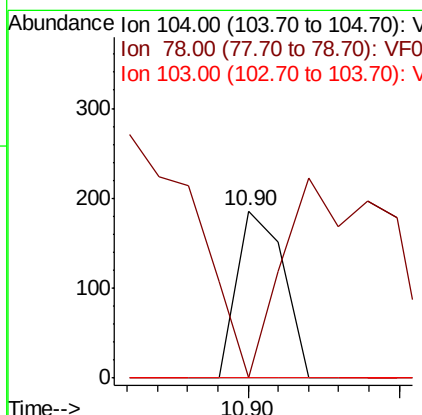
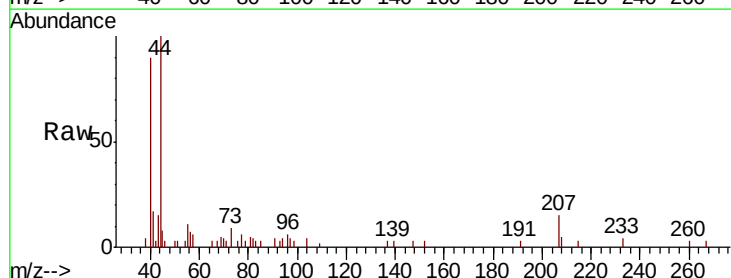
Instrument :
MSVOA_F
ClientSampled :

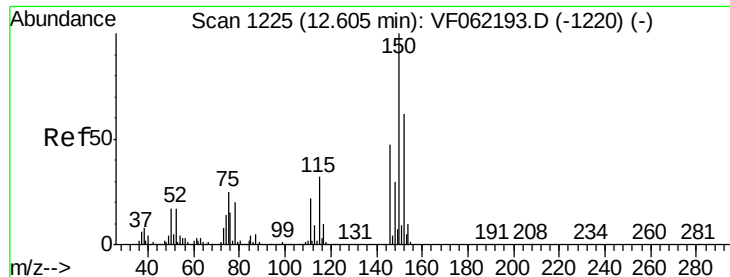
Tot Ion:106 Resp: 154
Ion Ratio Lower Upper
106 100
91 158.4 107.5 322.4



#70
Styrene
Concen: 3.265 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.02 min
Lab File: VF062211.D
Acq: 18 Apr 2019 18:09

Tgt Ion:104 Resp: 199
Ion Ratio Lower Upper
104 100
78 263.3 34.5 51.7#
103 0.0 37.2 55.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1229

Delta R.T. 0.04 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

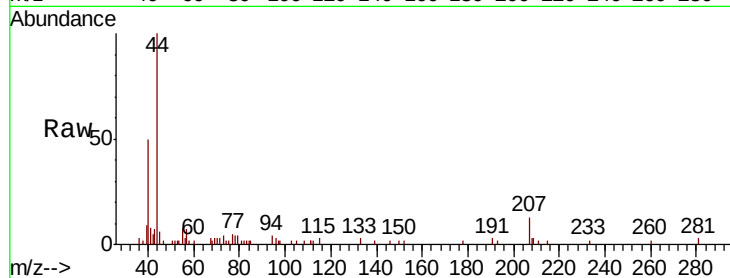
Tot Ion:152 Resp: 74

Ion Ratio Lower Upper

152 100

115 144.6 27.8 83.3#

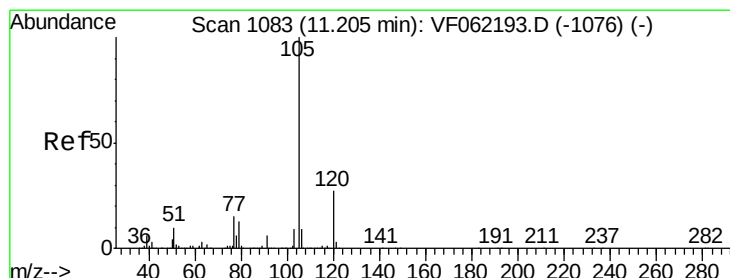
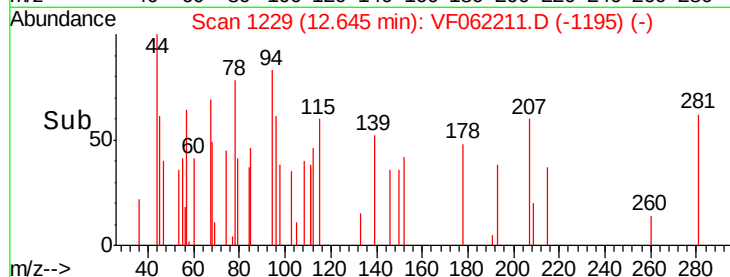
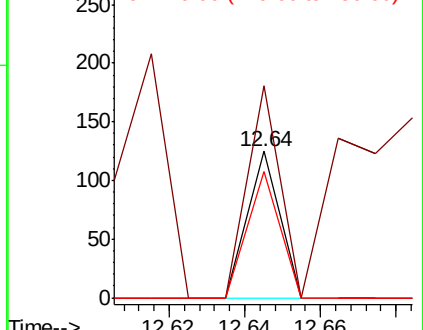
150 86.5 0.0 341.8



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: 70.949 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF062211.D

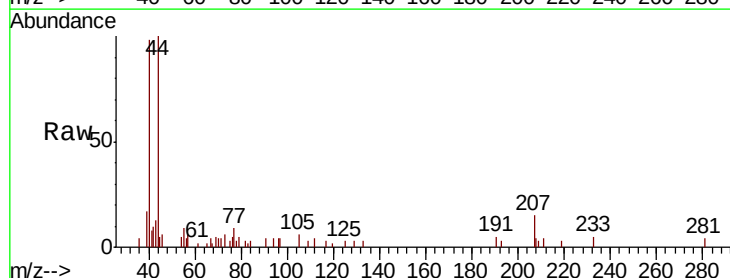
Acq: 18 Apr 2019 18:09

Tgt Ion:105 Resp: 451

Ion Ratio Lower Upper

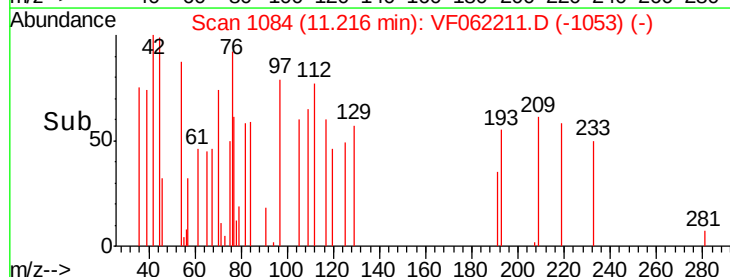
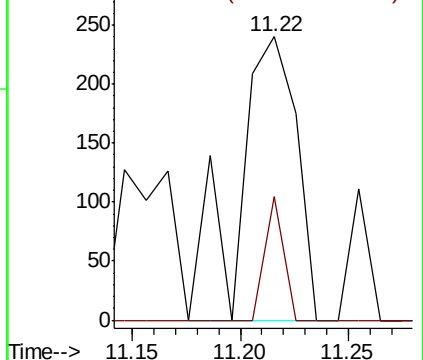
105 100

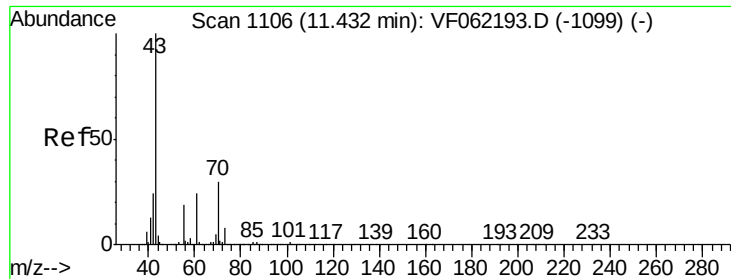
120 13.7 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1052.529 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.02 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampled :

Tot Ion: 43 Resp: 1521

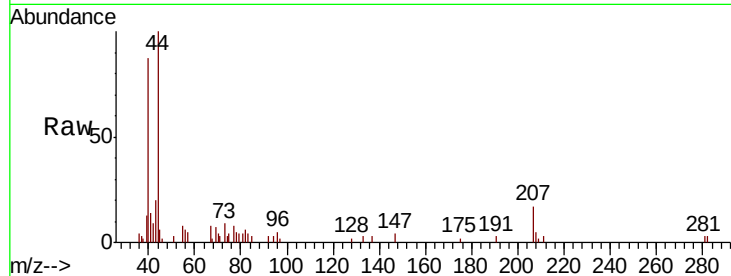
Ion Ratio Lower Upper

43 100

70 65.2 27.0 40.4#

55 11.8 15.7 23.5#

61 0.0 20.8 31.2#

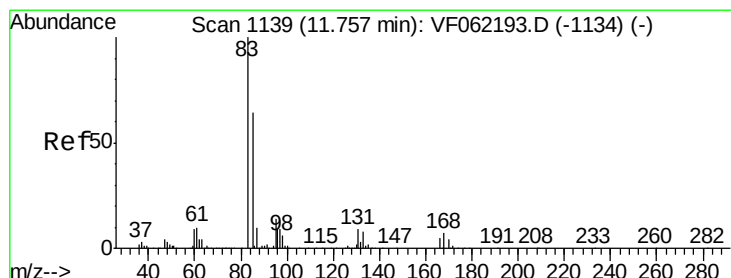
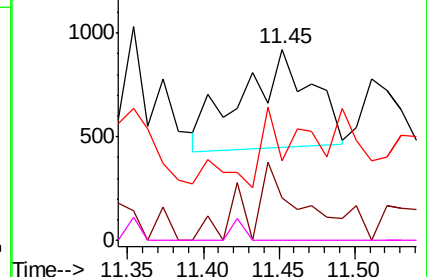
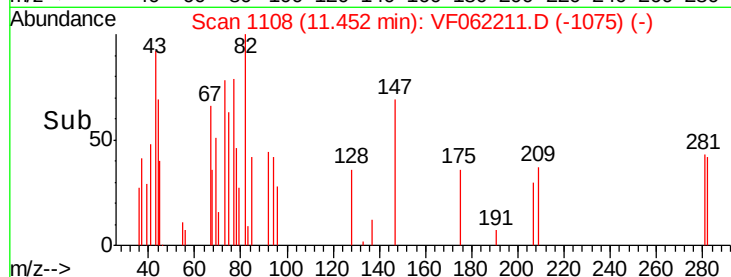


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#75

1,1,2,2-Tetrachloroethane

Concen: 576.294 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.05 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

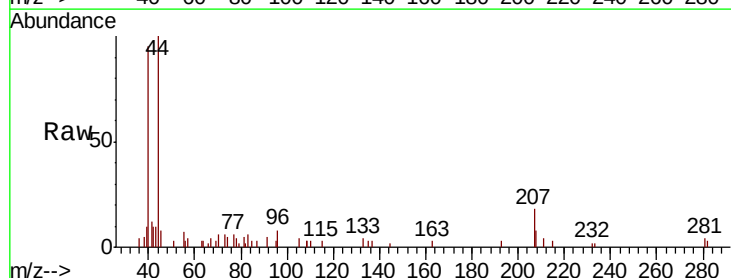
Tgt Ion: 83 Resp: 630

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

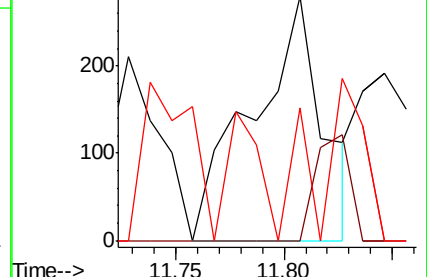
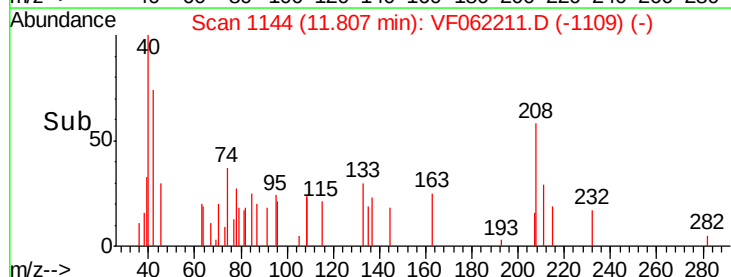
85 0.0 34.7 104.1#

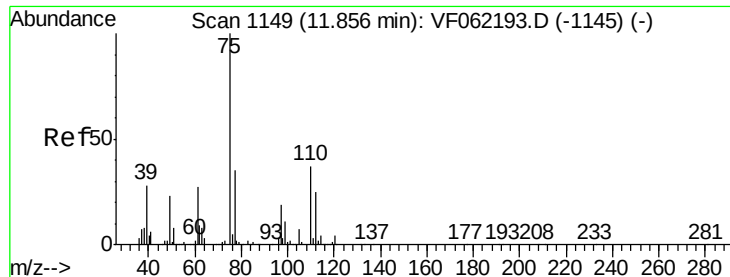


Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0





#76

1,2,3-Trichloropropane

Concen: 179.493 ug/l

RT: 11.84 min Scan# 1147

Delta R.T. -0.02 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

Instrument :

MSVOA_F

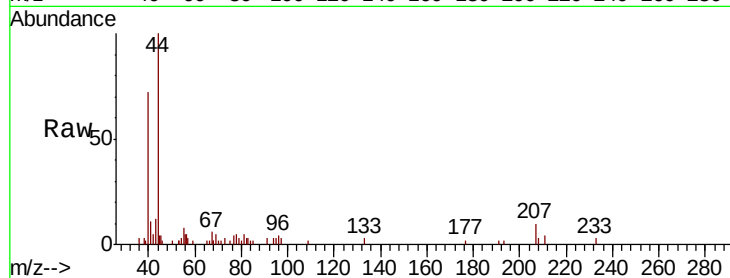
ClientSampleId :

Tot Ion: 75 Resp: 135

Ion Ratio Lower Upper

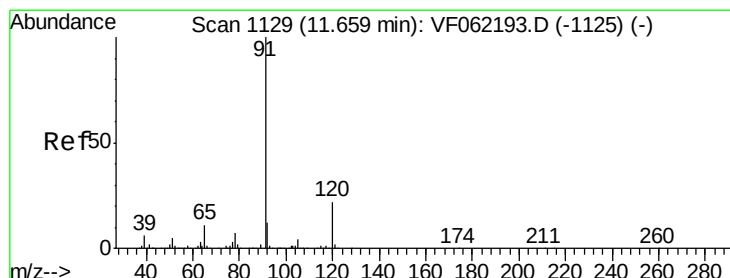
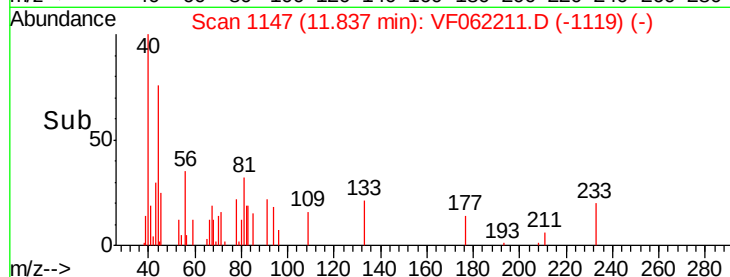
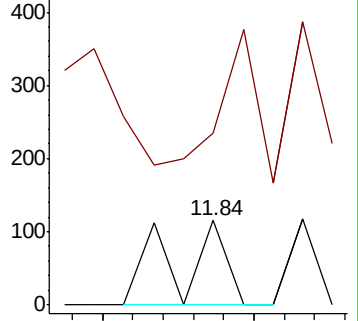
75 100

77 207.4 7.4 22.2#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0



#78

n-propylbenzene

Concen: 55.773 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.09 min

Lab File: VF062211.D

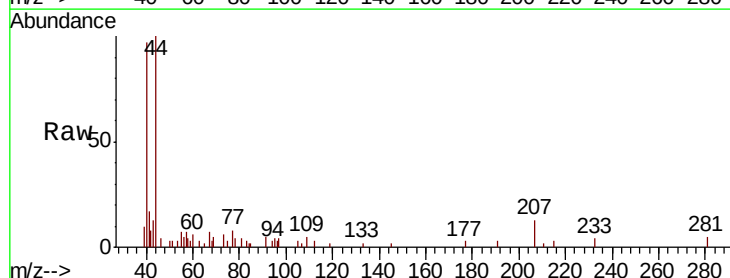
Acq: 18 Apr 2019 18:09

Tgt Ion: 91 Resp: 374

Ion Ratio Lower Upper

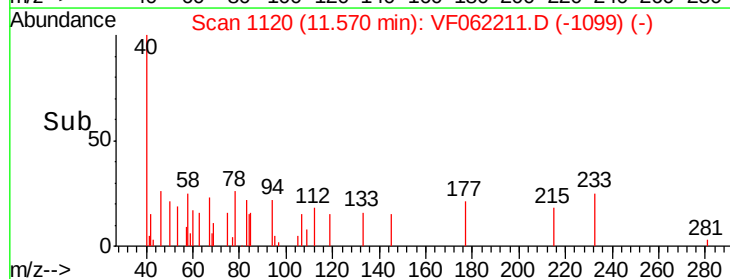
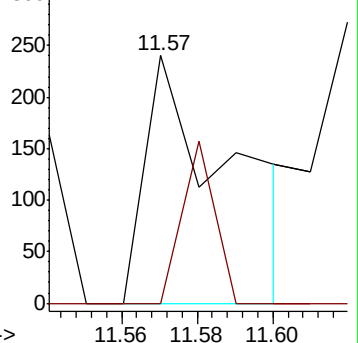
91 100

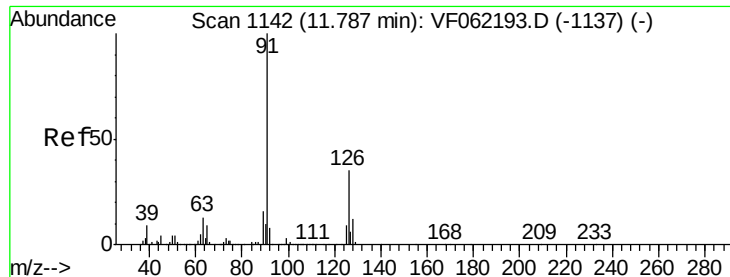
120 24.9 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 218.307 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

Instrument :

MSVOA_F

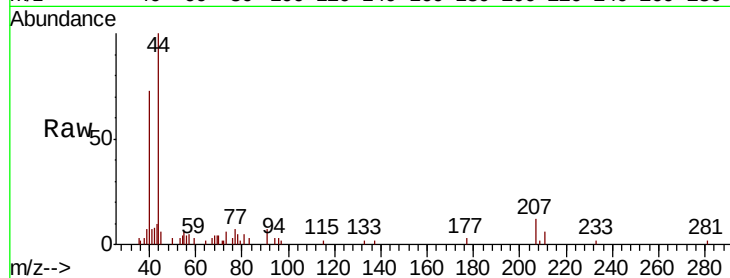
ClientSampleId :

Tot Ion: 91 Resp: 888

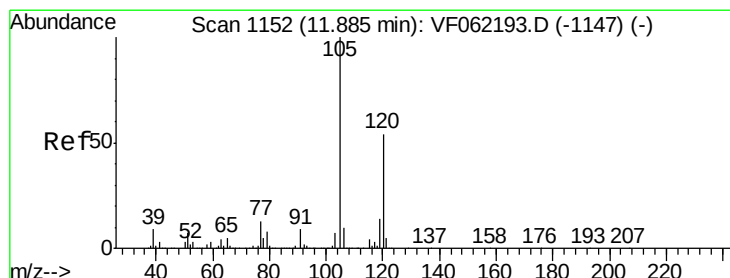
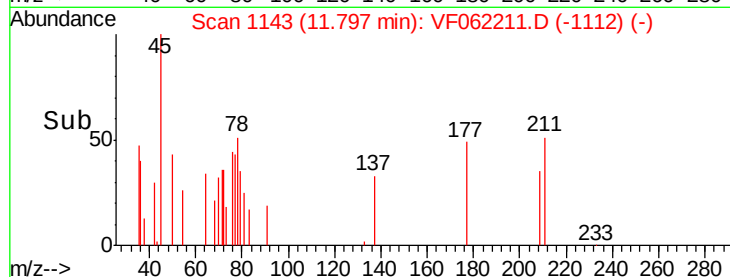
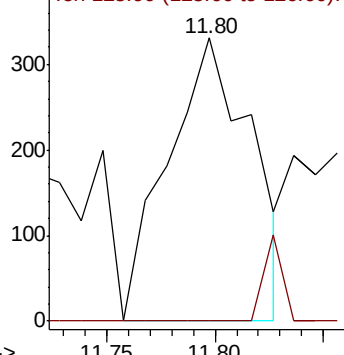
Ion Ratio Lower Upper

91 100

126 0.0 16.9 50.6#



Abundance Ion 91.00 (90.70 to 91.70): VF062211.D (-1137) (-)



#80

1,3,5-Trimethylbenzene

Concen: 24.933 ug/l

RT: 12.12 min Scan# 1176

Delta R.T. 0.24 min

Lab File: VF062211.D

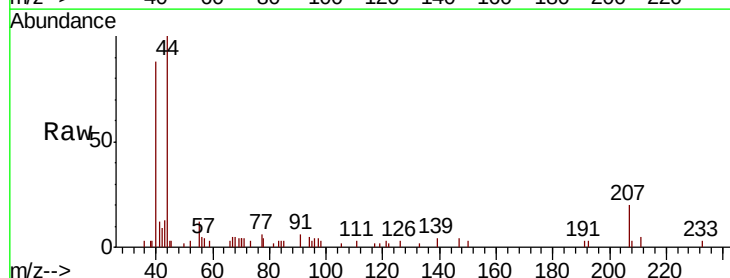
Acq: 18 Apr 2019 18:09

Tgt Ion:105 Resp: 132

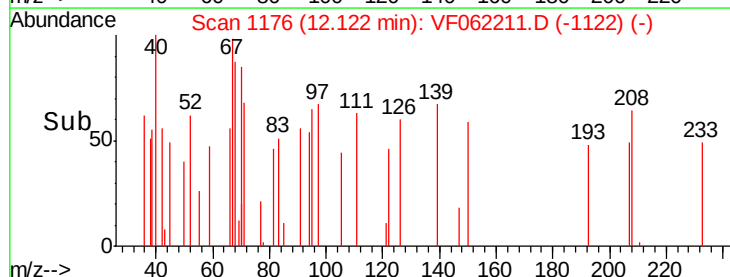
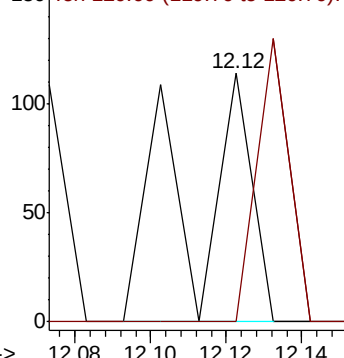
Ion Ratio Lower Upper

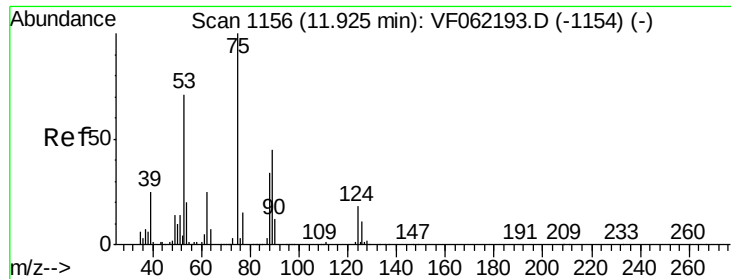
105 100

120 58.3 26.2 78.5



Abundance Ion 105.00 (104.70 to 105.70): VF062211.D (-1147) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 205.955 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampled :

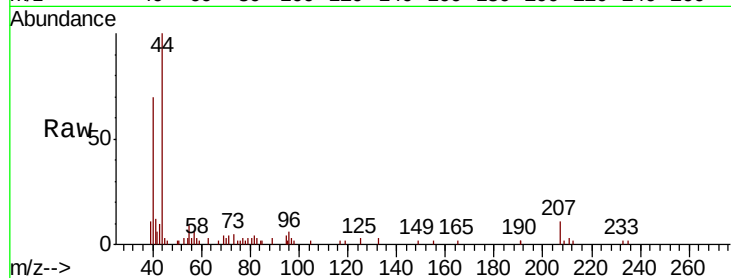
Tot Ion: 75 Resp: 79

Ion Ratio Lower Upper

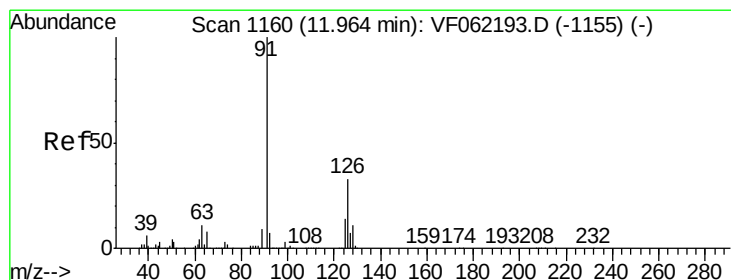
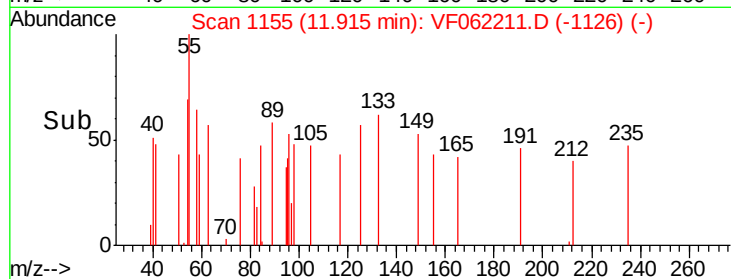
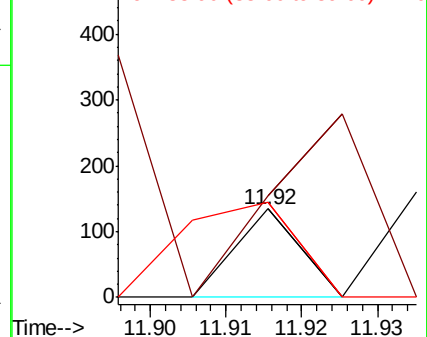
75 100

53 207.6 50.2 75.4#

89 197.5 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: 129.735 ug/l

RT: 12.07 min Scan# 1171

Delta R.T. 0.11 min

Lab File: VF062211.D

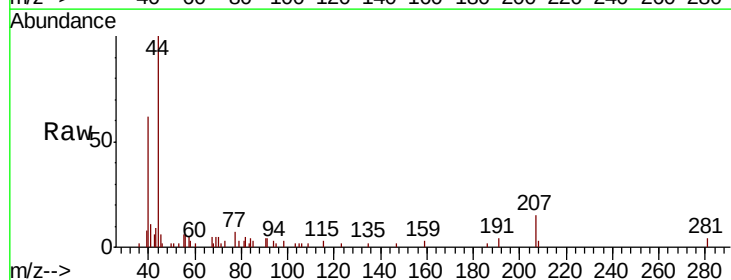
Acq: 18 Apr 2019 18:09

Tgt Ion: 91 Resp: 510

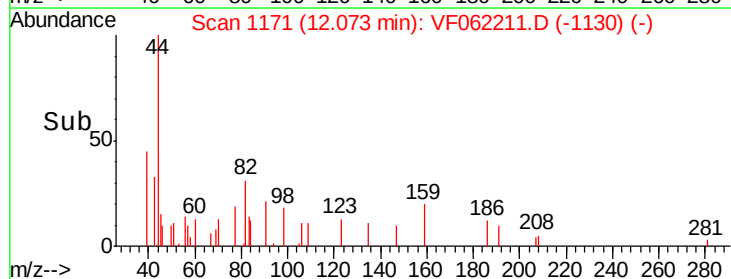
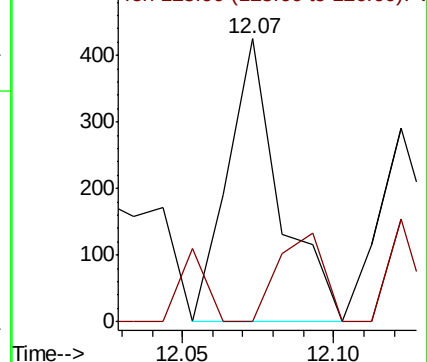
Ion Ratio Lower Upper

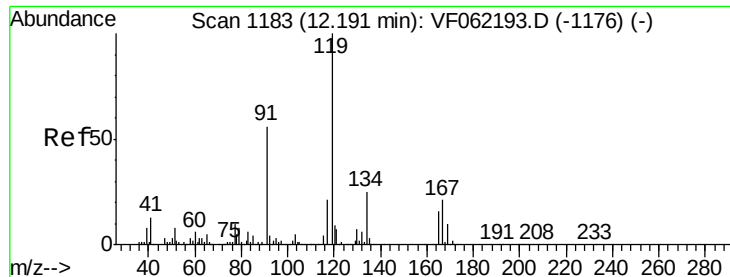
91 100

126 27.3 16.9 50.6



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

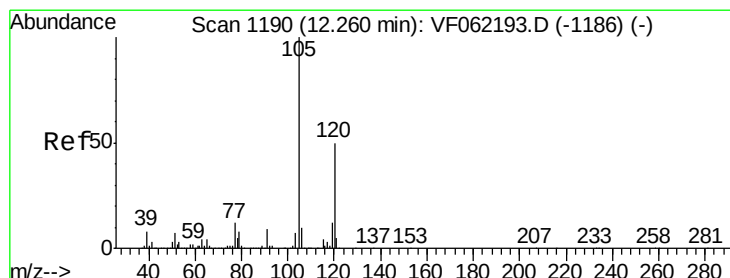
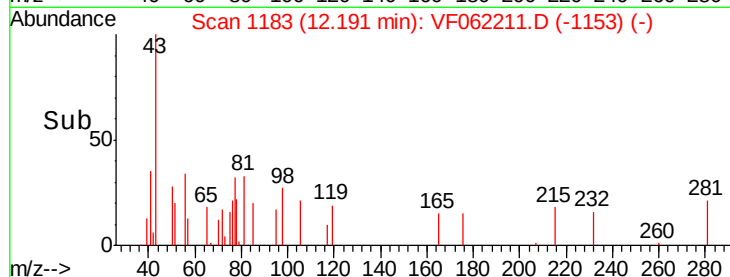
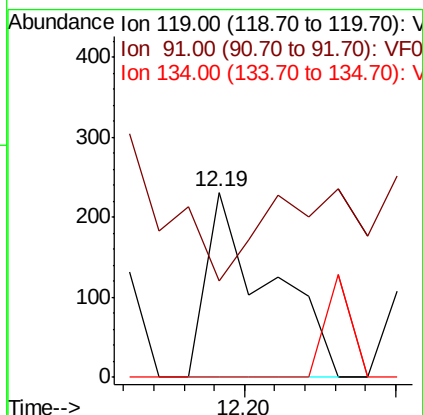
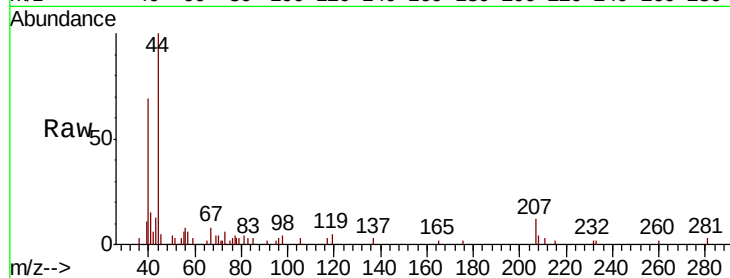




#83
 tert-Butylbenzene
 Concen: 60.457 ug/l
 RT: 12.19 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: VF062211.D
 Acq: 18 Apr 2019 18:09

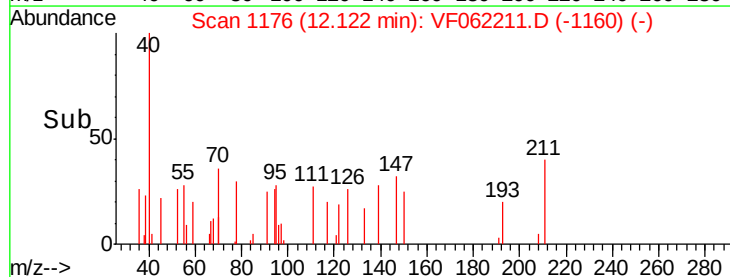
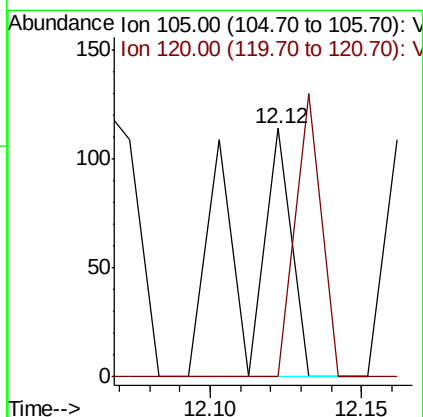
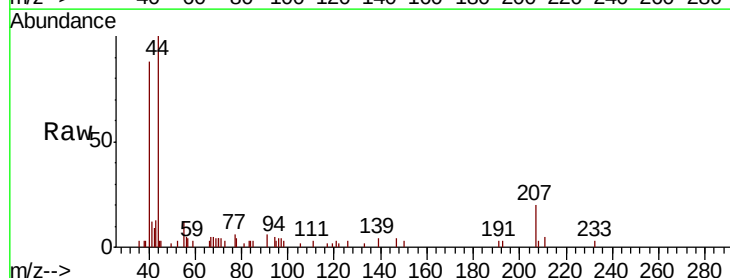
Instrument :
 MSVOA_F
 ClientSampleId :

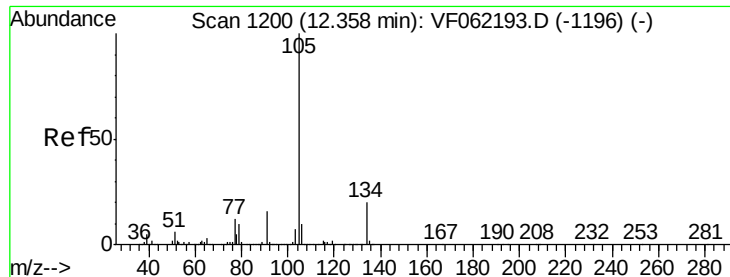
Tot Ion:119 Resp: 331
 Ion Ratio Lower Upper
 119 100
 91 0.0 29.4 88.2#
 134 0.0 11.8 35.3#



#84
 1,2,4-Trimethylbenzene
 Concen: 25.765 ug/l
 RT: 12.12 min Scan# 1176
 Delta R.T. -0.14 min
 Lab File: VF062211.D
 Acq: 18 Apr 2019 18:09

Tgt Ion:105 Resp: 132
 Ion Ratio Lower Upper
 105 100
 120 58.3 24.0 72.0

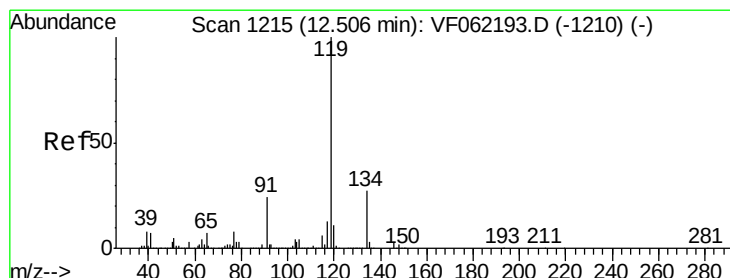
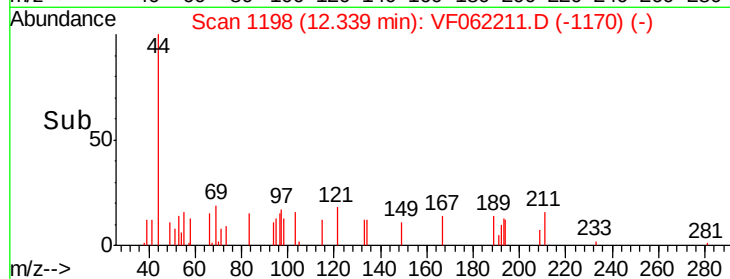
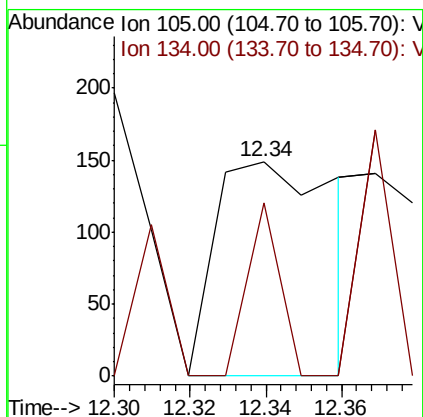
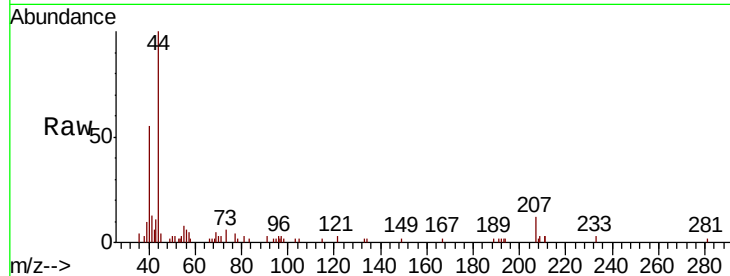




#85
 sec-Butylbenzene
 Concen: 46.145 ug/l
 RT: 12.34 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: VF062211.D
 Acq: 18 Apr 2019 18:09

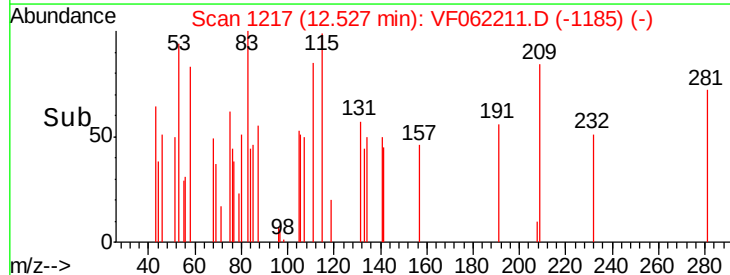
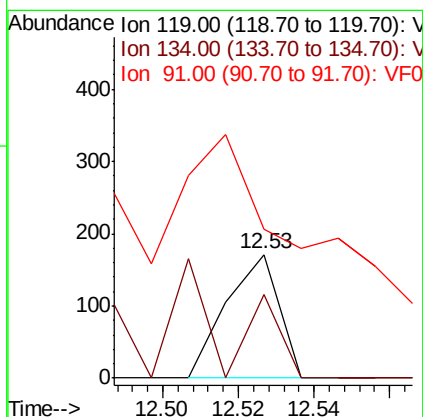
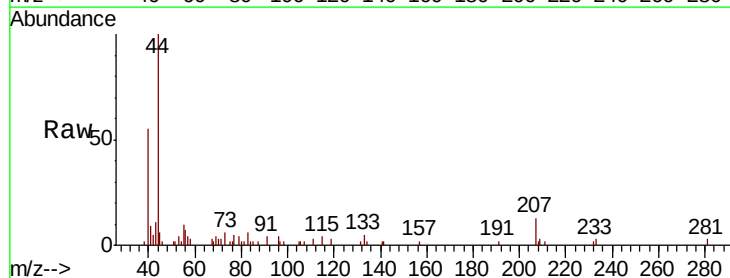
Instrument :
 MSVOA_F
 ClientSampleId :

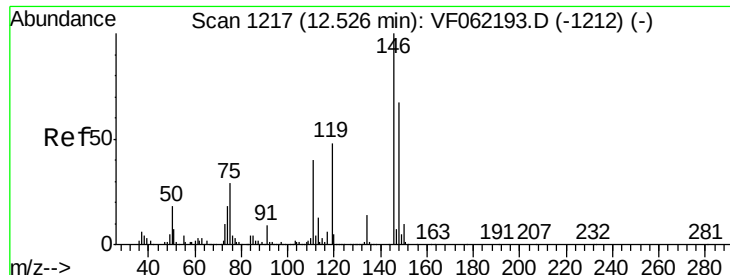
Tot Ion:105 Resp: 328
 Ion Ratio Lower Upper
 105 100
 134 21.6 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 27.200 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.02 min
 Lab File: VF062211.D
 Acq: 18 Apr 2019 18:09

Tgt Ion:119 Resp: 164
 Ion Ratio Lower Upper
 119 100
 134 101.2 13.2 39.5#
 91 339.6 11.7 35.1#





#87

1,3-Dichlorobenzene

Concen: 25.327 ug/l

RT: 12.64 min Scan# 1229

Delta R.T. 0.12 min

Lab File: VF062211.D

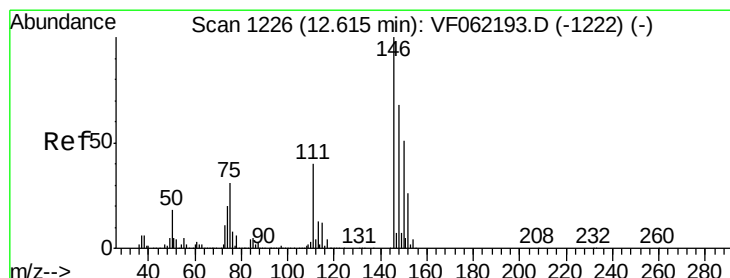
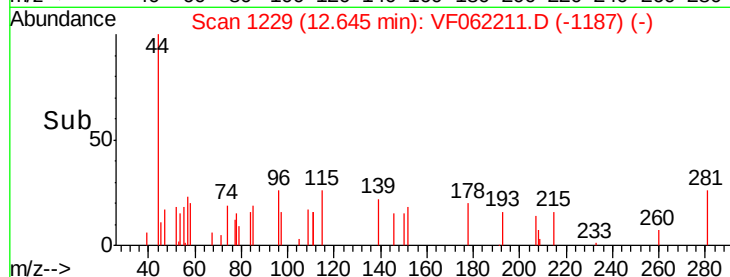
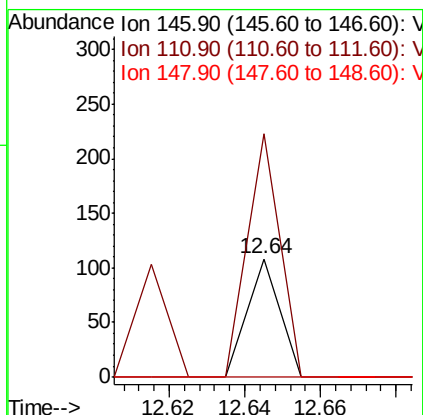
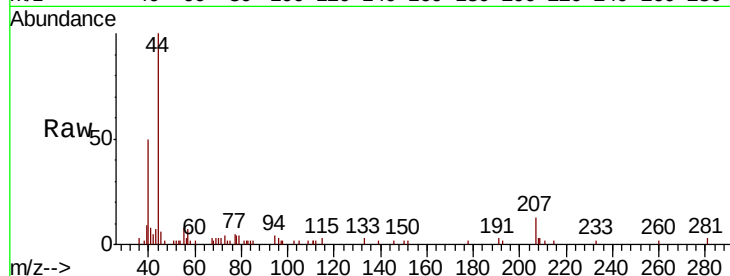
Acq: 18 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:146	Resp:	64
Ion Ratio	Lower	Upper
146	100	
111	206.3	19.7 59.0#
148	0.0	32.9 98.6#



#88

1,4-Dichlorobenzene

Concen: 26.258 ug/l

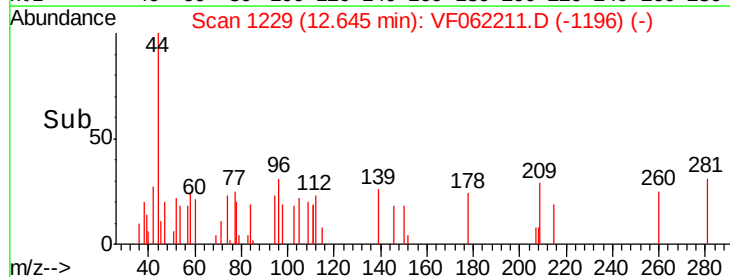
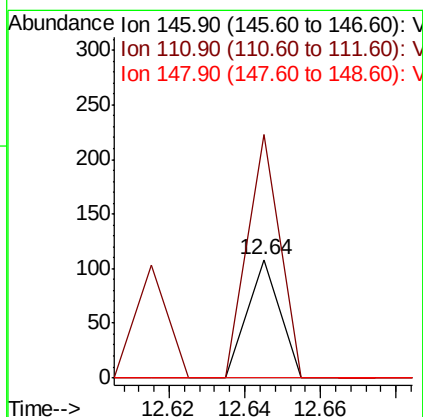
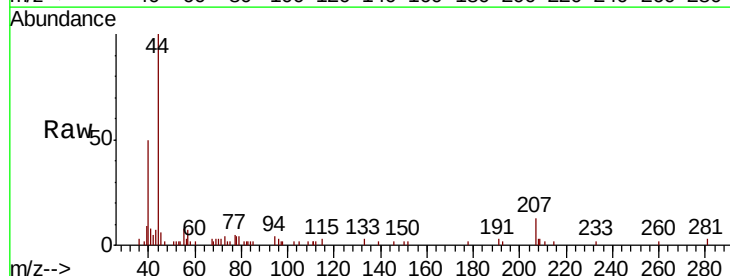
RT: 12.64 min Scan# 1229

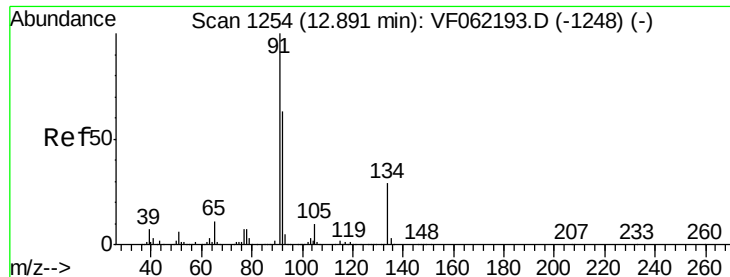
Delta R.T. 0.03 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

Tgt Ion:146	Resp:	64
Ion Ratio	Lower	Upper
146	100	
111	206.3	20.0 60.0#
148	0.0	33.6 100.8#





#89

n-Butylbenzene

Concen: 110.996 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

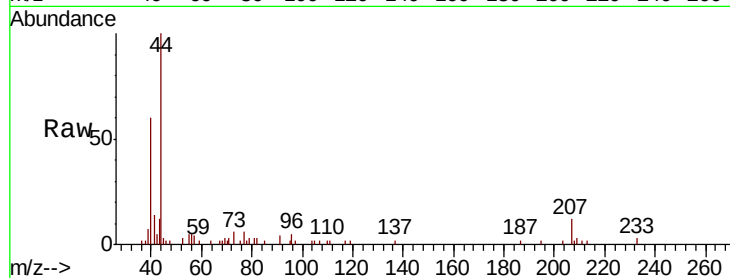
Tot Ion: 91 Resp: 519

Ion Ratio Lower Upper

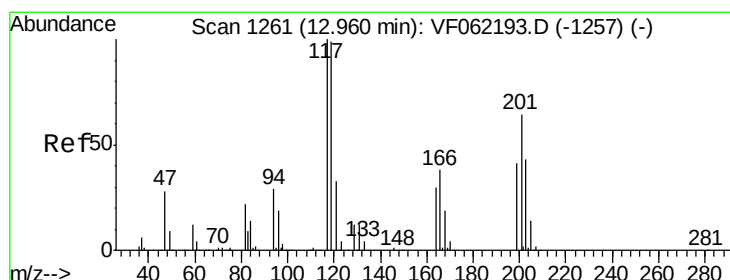
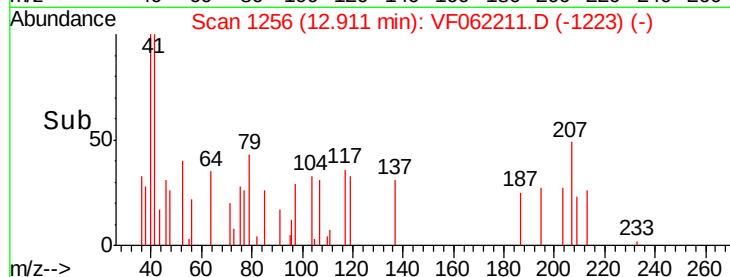
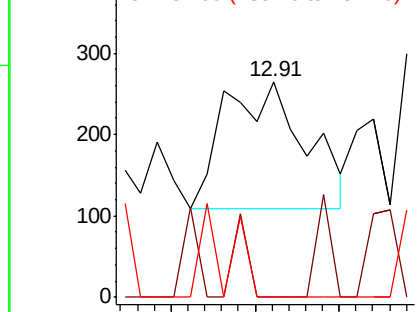
91 100

92 11.8 31.2 93.6#

134 0.0 13.1 39.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 92.00 (91.70 to 92.70): VF0
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 98.817 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. -0.05 min

Lab File: VF062211.D

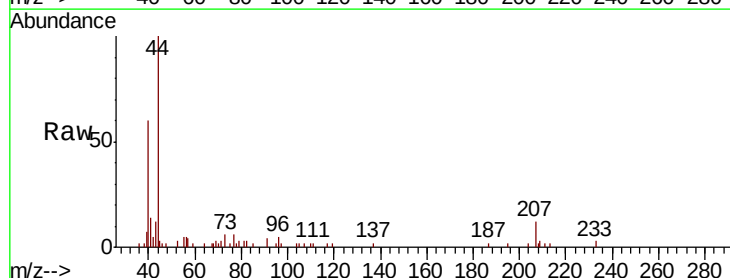
Acq: 18 Apr 2019 18:09

Tgt Ion: 117 Resp: 153

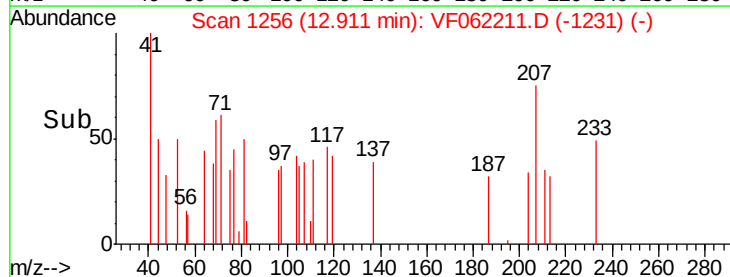
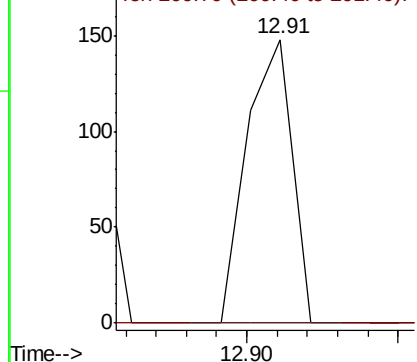
Ion Ratio Lower Upper

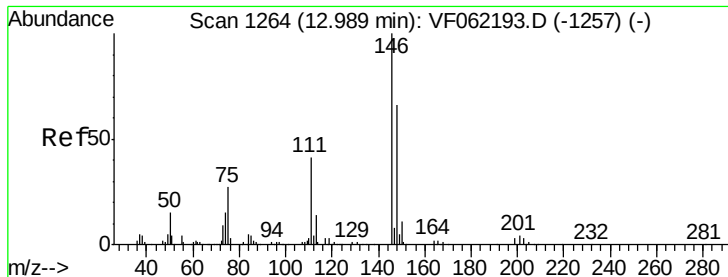
117 100

201 0.0 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: 30.738 ug/l

RT: 12.95 min Scan# 1260

Delta R.T. -0.04 min

Lab File: VF062211.D

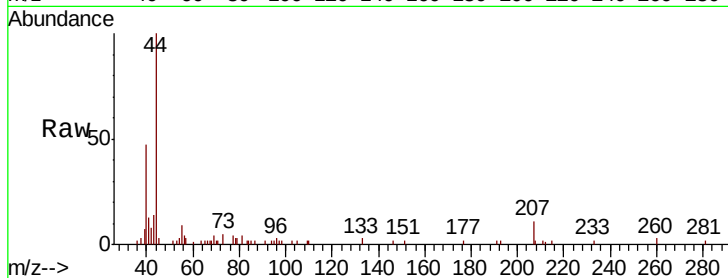
Acq: 18 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

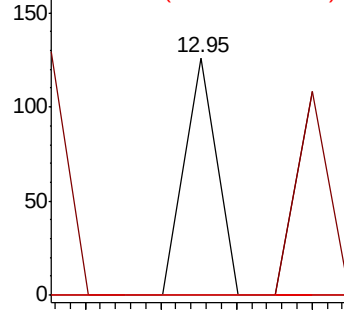
Tot Ion:	146	Resp:	75
Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.8	62.5#
148	0.0	33.0	99.0#



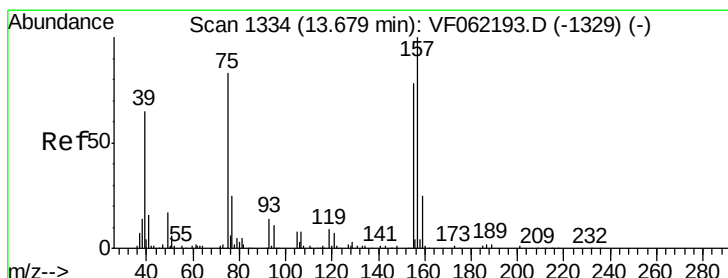
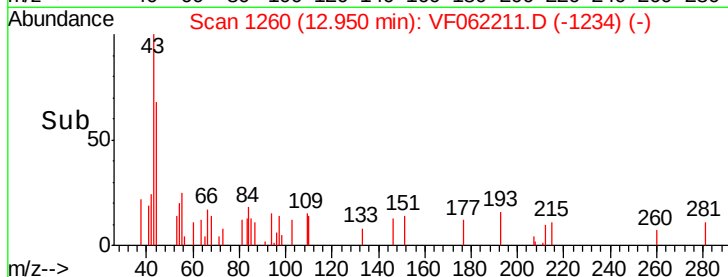
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 1410.726 ug/l

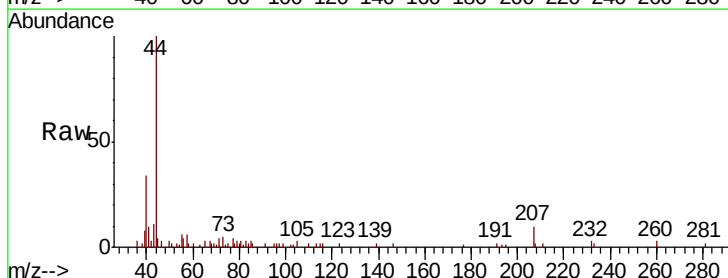
RT: 13.70 min Scan# 1336

Delta R.T. 0.02 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

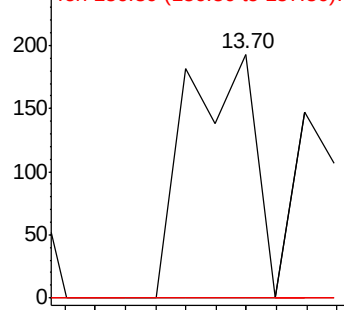
Tgt Ion:	75	Resp:	303
Ion	Ratio	Lower	Upper
75	100		
155	0.0	47.6	142.8#
157	0.0	61.3	183.9#



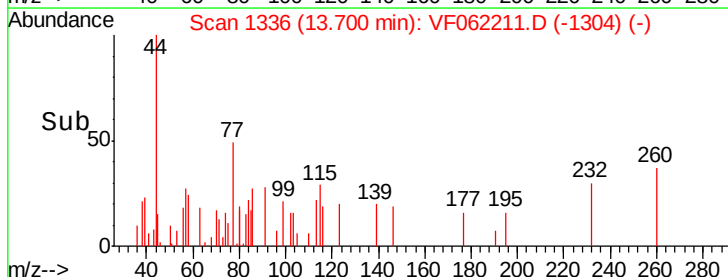
Abundance Ion 74.90 (74.60 to 75.60): VF0

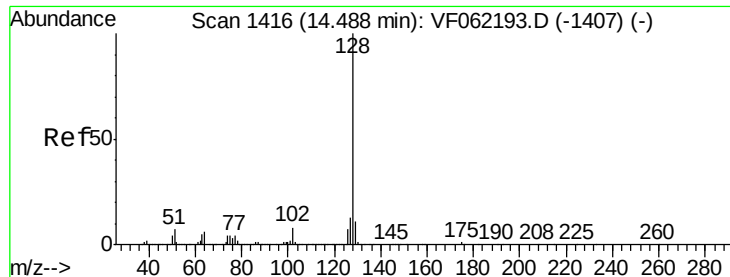
Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



Time-->





#95

Naphthalene

Concen: 22.412 ug/l

RT: 14.48 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampled :

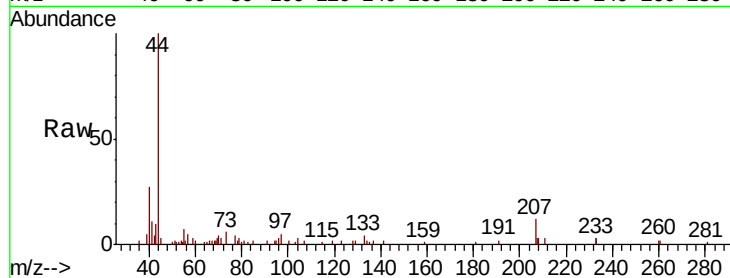
Tot Ion:128 Resp: 80

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

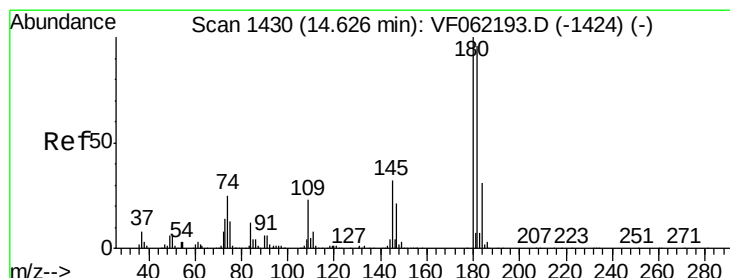
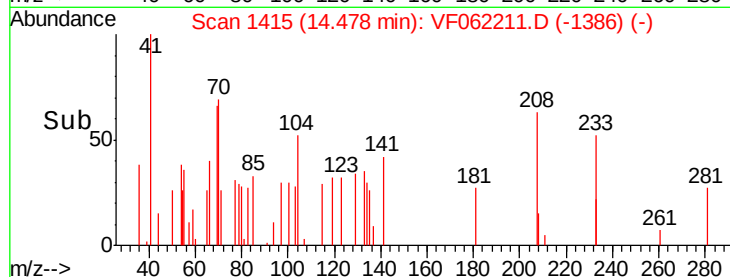
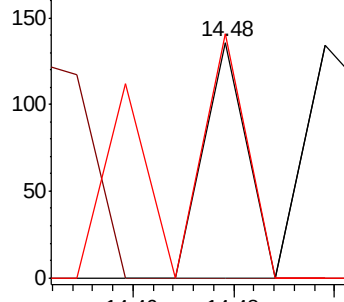
129 0.0 9.2 13.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 35.716 ug/l

RT: 14.60 min Scan# 1427

Delta R.T. -0.03 min

Lab File: VF062211.D

Acq: 18 Apr 2019 18:09

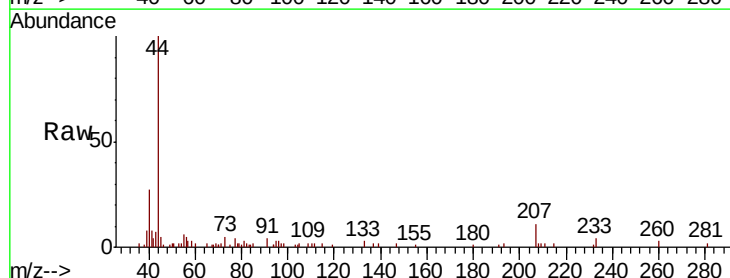
Tgt Ion:180 Resp: 70

Ion Ratio Lower Upper

180 100

182 0.0 48.4 145.3#

145 88.6 15.6 46.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

