

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041819\
 Data File : VF062204.D
 Acq On : 18 Apr 2019 14:47
 Operator : FY/SY
 Sample : K2241-01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 19 01:16:48 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	444643	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.77	114	663311	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	491289	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	306929	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	226761	55.62	ug/l	0.02
Spiked Amount	50.000		Recovery	=	111.24%	
35) Dibromofluoromethane	4.30	113	306196	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	
50) Toluene-d8	7.71	98	731770	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
62) 4-Bromofluorobenzene	11.49	95	320398	56.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.42%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.00	85	16106	2.384	ug/l	94
3) Chloromethane	1.16	50	15360	2.199	ug/l	92
4) Vinyl Chloride	1.19	62	16154	2.692	ug/l	98
5) Bromomethane	1.39	94	10321	2.961	ug/l	82
6) Chloroethane	1.44	64	7053	2.812	ug/l	90
7) Trichlorofluoromethane	1.56	101	17134	2.248	ug/l	91
8) Diethyl Ether	1.71	74	4779	3.012	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.91	101	13983	2.685	ug/l	97
10) Methyl Iodide	1.98	142	22410	2.422	ug/l #	84
11) Tert butyl alcohol	2.70	59	3368	11.884	ug/l #	65
12) 1,1-Dichloroethene	1.87	96	13615	2.749	ug/l	90
13) Acrolein	2.11	56	2789	Below Cal		99
14) Allyl chloride	2.19	41	13930	2.451	ug/l	97
15) Acrylonitrile	3.08	53	11271	13.057	ug/l #	92
16) Acetone	2.34	43	15623	16.031	ug/l	92
17) Carbon Disulfide	1.91	76	30979	2.251	ug/l #	87
18) Methyl Acetate	2.46	43	10809	Below Cal		99
19) Methyl tert-butyl Ether	2.55	73	20716	2.369	ug/l	100
20) Methylene Chloride	2.33	84	31652	0.402	ug/l	93
21) trans-1,2-Dichloroethene	2.42	96	12633	2.579	ug/l #	94
22) Diisopropyl ether	2.93	45	34457	2.370	ug/l #	89
23) Vinyl Acetate	3.35	43	81814	11.809	ug/l	98
24) 1,1-Dichloroethane	3.01	63	19446	2.445	ug/l #	97
25) 2-Butanone	4.53	43	26381	13.538	ug/l	93
26) 2,2-Dichloropropane	3.78	77	9137	2.275	ug/l #	67
27) cis-1,2-Dichloroethene	3.64	96	15121	2.384	ug/l	96
28) Bromochloromethane	3.91	49	9914	2.602	ug/l #	93
29) Tetrahydrofuran	4.27	42	12876	14.598	ug/l	97
30) Chloroform	4.06	83	23167	2.370	ug/l	99
31) Cyclohexane	3.87	56	21023	2.205	ug/l	97
32) 1,1,1-Trichloroethane	4.28	97	13549	1.894	ug/l	95
36) 1,1-Dichloropropene	4.47	75	18169	2.285	ug/l #	89
37) Ethyl Acetate	4.29	43	10831	2.886	ug/l #	95
38) Carbon Tetrachloride	4.19	117	21727	3.087	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	22447	2.357	ug/l	94
40) Benzene	4.82	78	47211	2.263	ug/l	99
41) Methacrylonitrile	4.94	41	7060	3.261	ug/l #	75
42) 1,2-Dichloroethane	5.13	62	13202	2.394	ug/l #	74
43) Isopropyl Acetate	7.11	43	16520	4.185	ug/l #	95
44) Trichloroethene	5.68	130	14211	2.521	ug/l	96
45) 1,2-Dichloropropane	6.40	63	11516	2.506	ug/l	100
46) Dibromomethane	6.26	93	7707	2.521	ug/l	88
47) Bromodichloromethane	6.55	83	16633	2.411	ug/l	97
48) Methyl methacrylate	6.88	41	8173	3.151	ug/l #	91
49) 1,4-Dioxane	6.89	88	1766	59.366	ug/l #	65
51) 4-Methyl-2-Pentanone	8.40	43	60021	20.445	ug/l	97
52) Toluene	7.78	92	27094	2.464	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	12965	2.502	ug/l #	86
54) cis-1,3-Dichloropropene	7.46	75	18575	2.650	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	8841	2.870	ug/l	91
56) Ethyl methacrylate	8.76	69	18480	5.277	ug/l	96
57) 1,3-Dichloropropane	8.99	76	11989	2.410	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.45	63	18153	17.853	ug/l	96
59) 2-Hexanone	9.63	43	55331	30.345	ug/l	98
60) Dibromochloromethane	8.86	129	11296	2.466	ug/l	99
61) 1,2-Dibromoethane	9.12	107	8537	2.460	ug/l	88
64) Tetrachloroethene	8.31	164	12036	2.714	ug/l	94
65) Chlorobenzene	9.93	112	29307	2.798	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	12620	2.573	ug/l	94
67) Ethyl Benzene	10.03	91	52986	2.782	ug/l	98
68) m/p-Xylenes	10.26	106	39553	5.640	ug/l	93
69) o-Xylene	10.82	106	20520	2.636	ug/l	89
70) Styrene	10.89	104	33401	3.040	ug/l	98
71) Bromoform	10.88	173	6197	2.393	ug/l #	92
73) Isopropylbenzene	11.21	105	61328	2.326	ug/l	97
74) N-amyl acetate	11.45	43	34366	3.448	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.77	83	12069	2.662	ug/l	93
76) 1,2,3-Trichloropropane	11.86	75	8203	2.630	ug/l #	64
77) Bromobenzene	11.58	156	13294	2.354	ug/l	97
78) n-propylbenzene	11.67	91	73067	2.627	ug/l	97
79) 2-Chlorotoluene	11.80	91	42709	2.531	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	53353	2.430	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.93	75	5492	3.452	ug/l #	98
82) 4-Chlorotoluene	11.97	91	44202	2.711	ug/l	98
83) tert-Butylbenzene	12.20	119	52603	2.316	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	54166	2.549	ug/l	95
85) sec-Butylbenzene	12.37	105	72036	2.443	ug/l	98
86) p-Isopropyltoluene	12.52	119	66178	2.646	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	29459	2.811	ug/l	95
88) 1,4-Dichlorobenzene	12.62	146	27184	2.689	ug/l	89
89) n-Butylbenzene	12.90	91	65449	Below Cal		95
90) Hexachloroethane	12.97	117	14414	2.244	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	26483	2.617	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	1728	1.940	ug/l	82

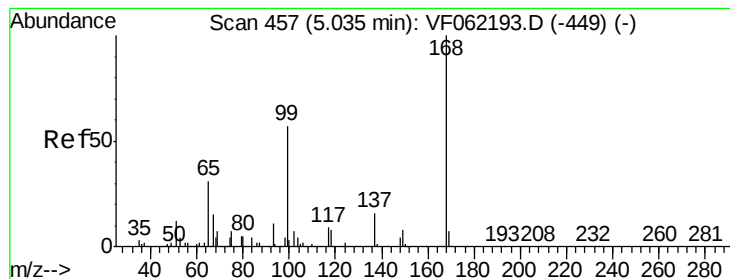
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041819\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	22843	2.698	ug/l	99
94) Hexachlorobutadiene	14.23	225	14447	2.488	ug/l	95
95) Naphthalene	14.50	128	51296	3.465	ug/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	21141	2.601	ug/l	98

(#) = 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: VF062204.D

Acq: 18 Apr 2019 14:47

Instrument :

MSVOA_F

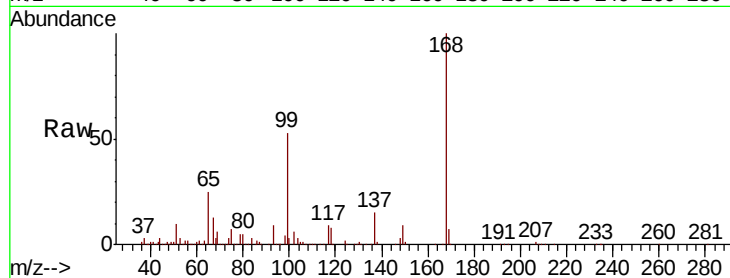
ClientSampleId :

Tot Ion:168 Resp: 444643

Ion Ratio Lower Upper

168 100

99 52.9 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.05

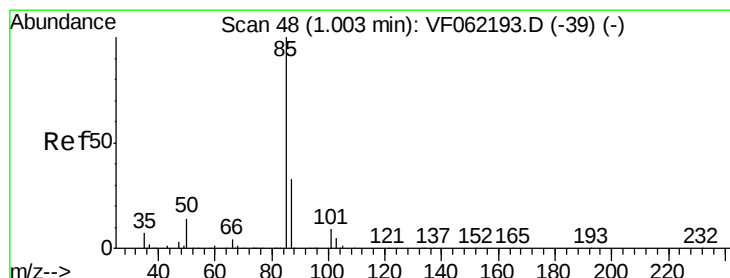
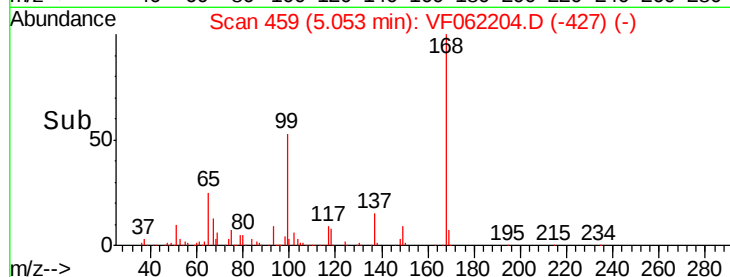
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.384 ug/l

RT: 1.00 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062204.D

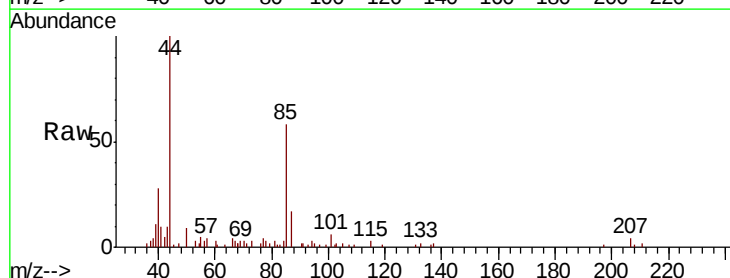
Acq: 18 Apr 2019 14:47

Tgt Ion: 85 Resp: 16106

Ion Ratio Lower Upper

85 100

87 29.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

6000

5000

4000

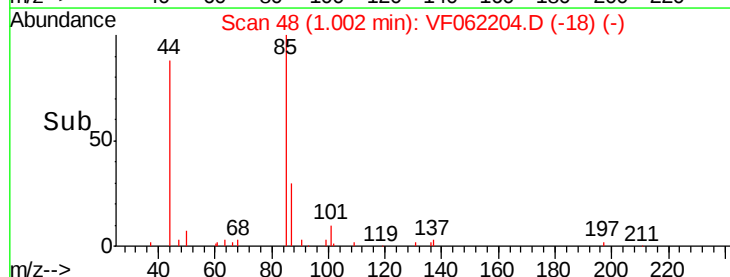
3000

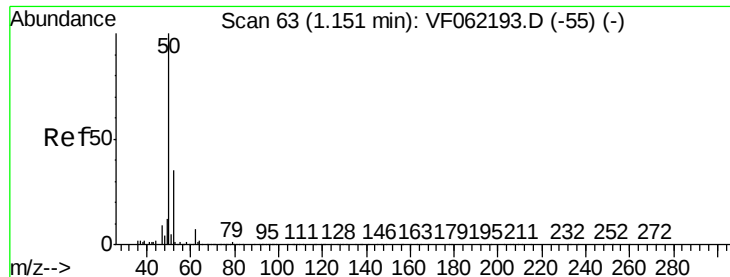
2000

1000

0

Time-->





#3

Chloromethane

Concen: 2.199 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.01 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

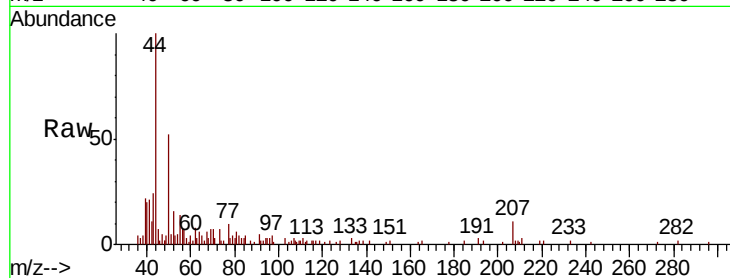
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 15360

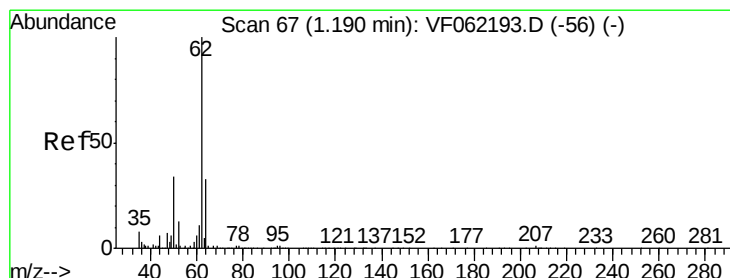
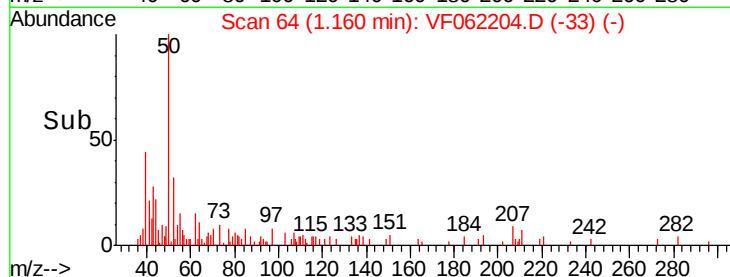
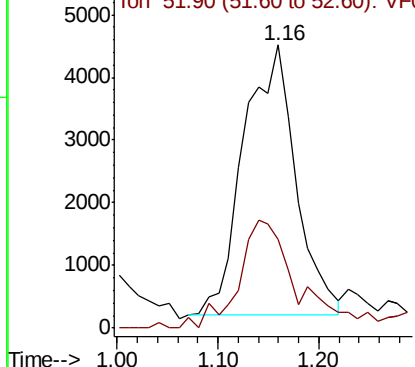
Ion Ratio Lower Upper

50 100

52 29.1 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: 2.692 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062204.D

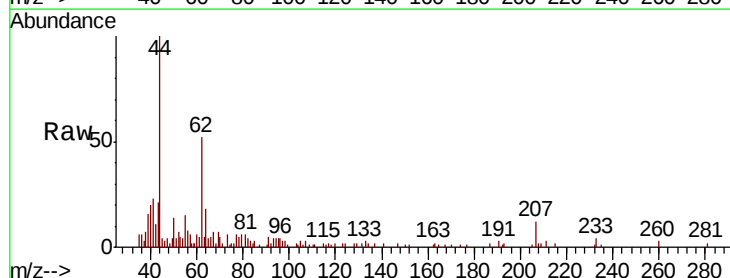
Acq: 18 Apr 2019 14:47

Tgt Ion: 62 Resp: 16154

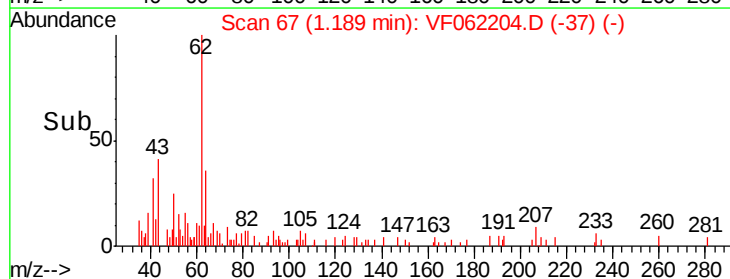
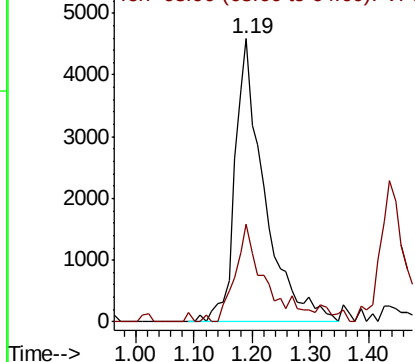
Ion Ratio Lower Upper

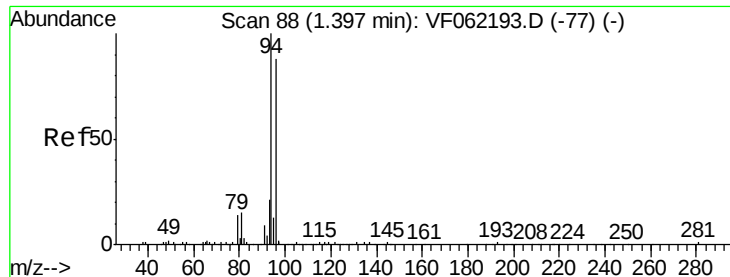
62 100

64 31.5 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: 2.961 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

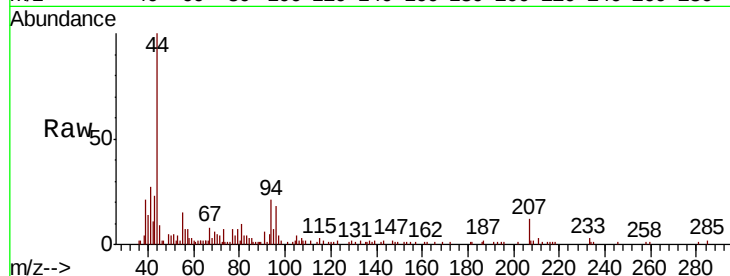
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 10321

Ion Ratio Lower Upper

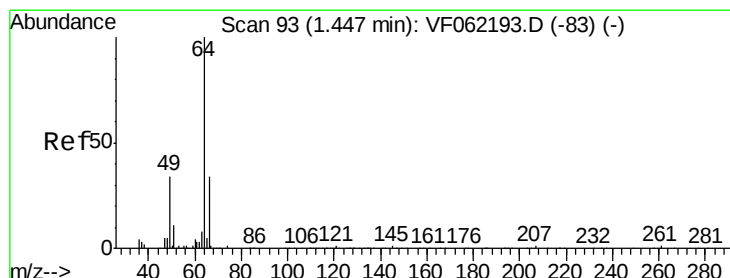
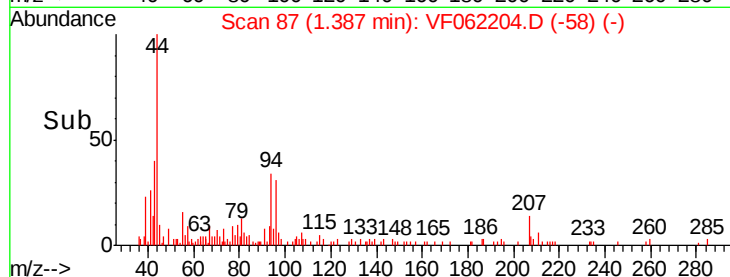
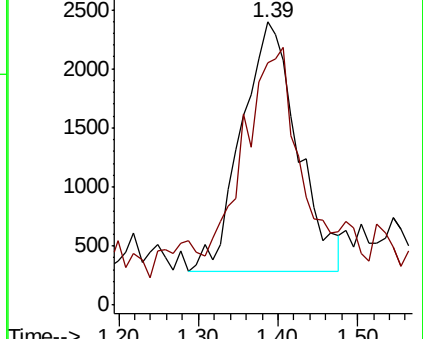
94 100

96 71.2 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: 2.812 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF062204.D

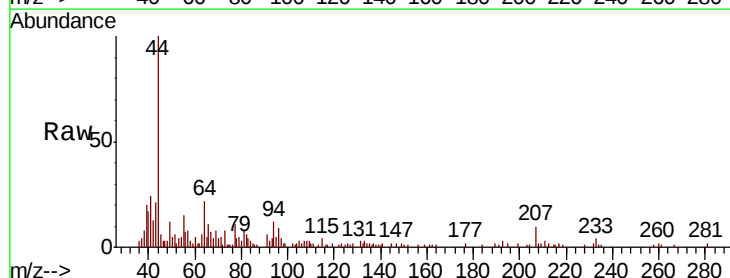
Acq: 18 Apr 2019 14:47

Tgt Ion: 64 Resp: 7053

Ion Ratio Lower Upper

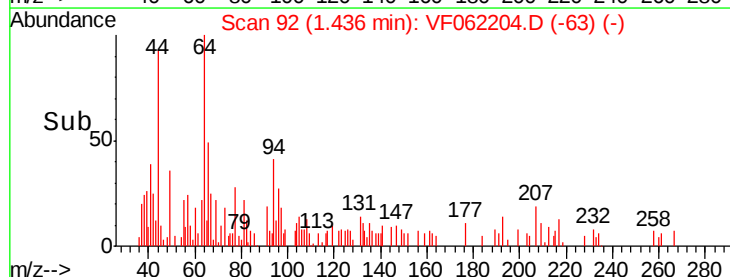
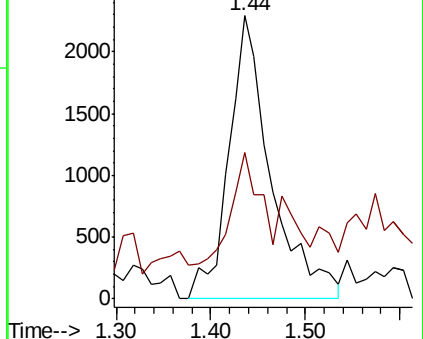
64 100

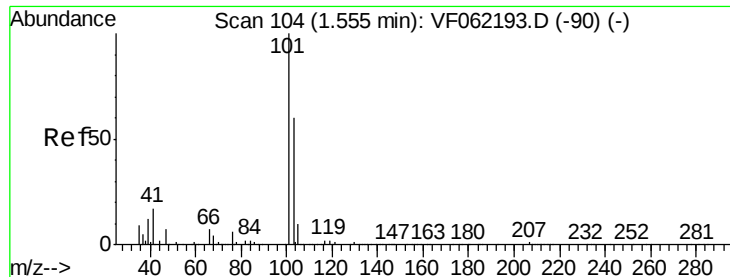
66 39.6 27.0 40.4



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0



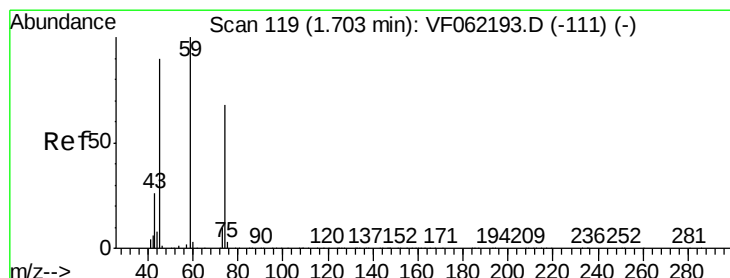
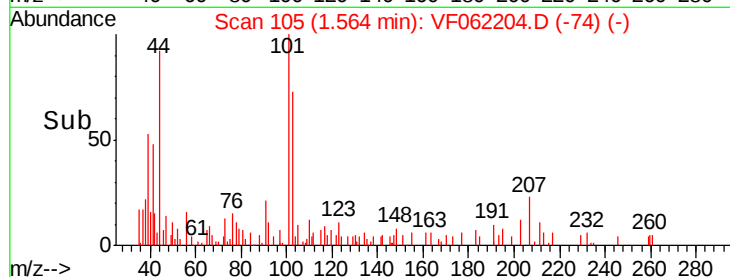
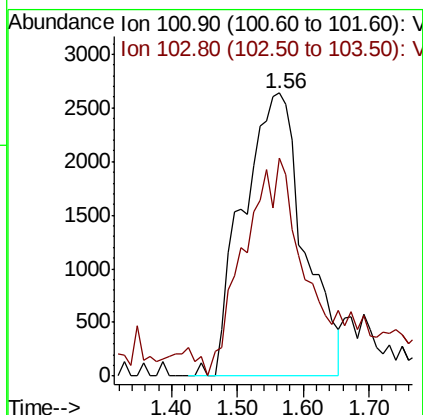
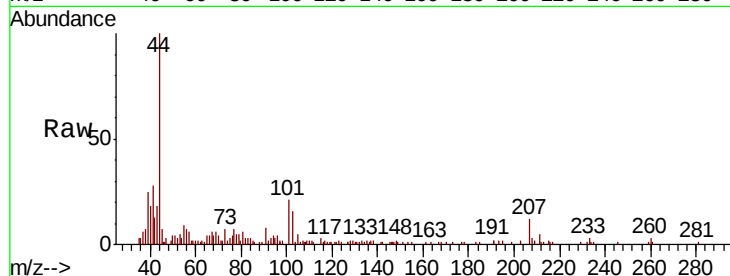


#7

Trichlorofluoromethane
 Concen: 2.248 ug/l
 RT: 1.56 min Scan# 105
 Delta R.T. 0.01 min
 Lab File: VF062204.D
 Acq: 18 Apr 2019 14:47

Instrument :
 MSVOA_F
 ClientSampleId :

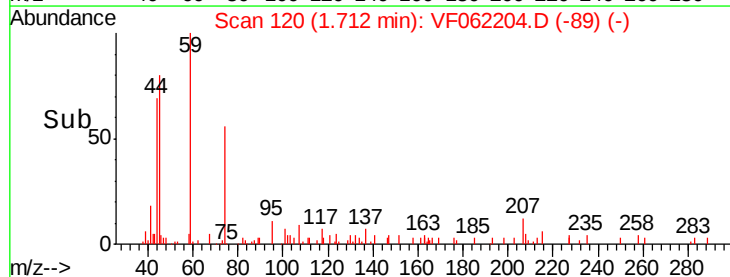
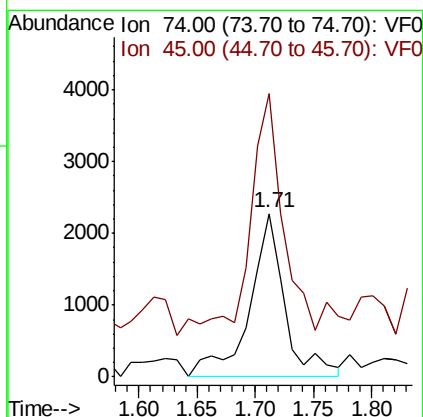
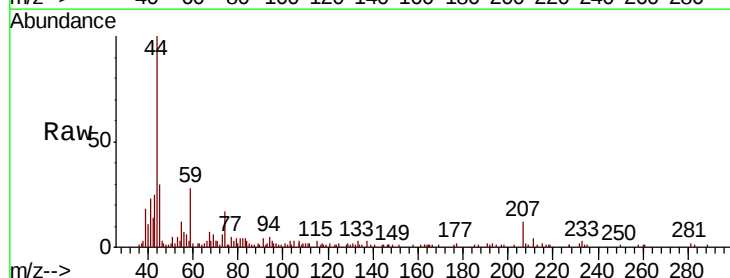
Tot Ion:101 Resp: 17134
 Ion Ratio Lower Upper
 101 100
 103 66.8 48.2 72.4

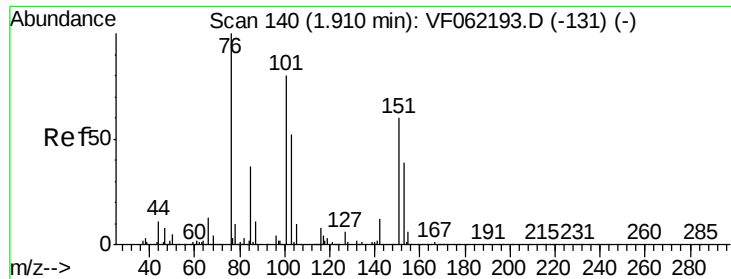


#8

Diethyl Ether
 Concen: 3.012 ug/l
 RT: 1.71 min Scan# 120
 Delta R.T. 0.01 min
 Lab File: VF062204.D
 Acq: 18 Apr 2019 14:47

Tgt Ion: 74 Resp: 4779
 Ion Ratio Lower Upper
 74 100
 45 123.9 70.0 210.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.685 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

Instrument :

MSVOA_F

ClientSampled :

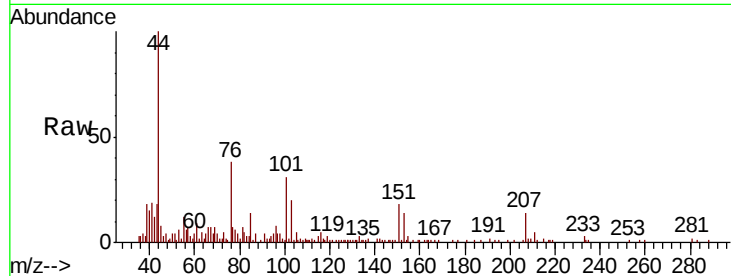
Tot Ion:101 Resp: 13983

Ion Ratio Lower Upper

101 100

85 46.9 35.3 52.9

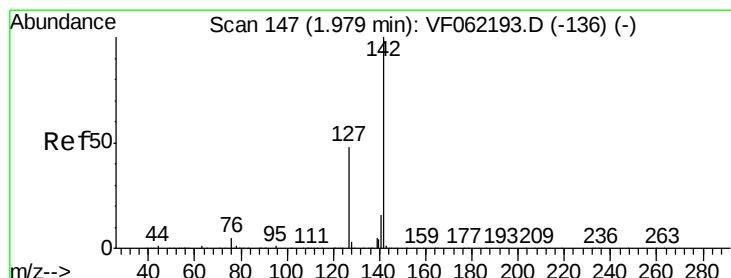
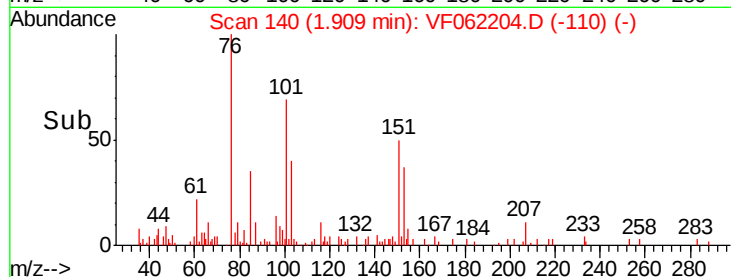
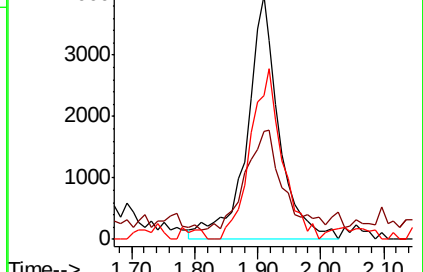
151 69.6 57.5 86.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.422 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.00 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

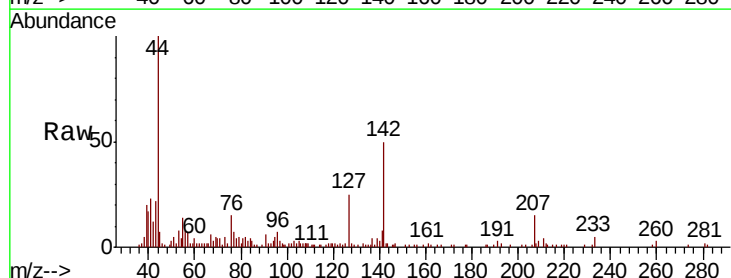
Tgt Ion:142 Resp: 22410

Ion Ratio Lower Upper

142 100

127 49.8 33.0 49.4#

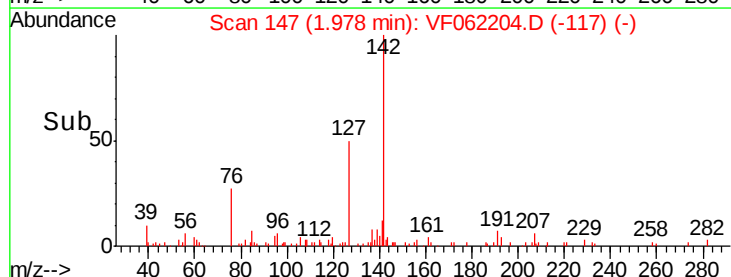
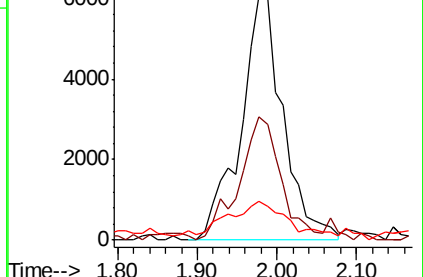
141 24.7 12.7 19.1#

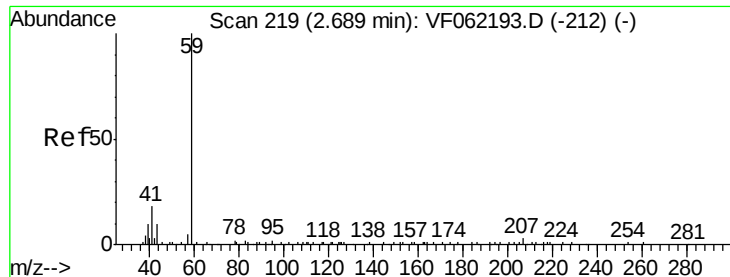


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



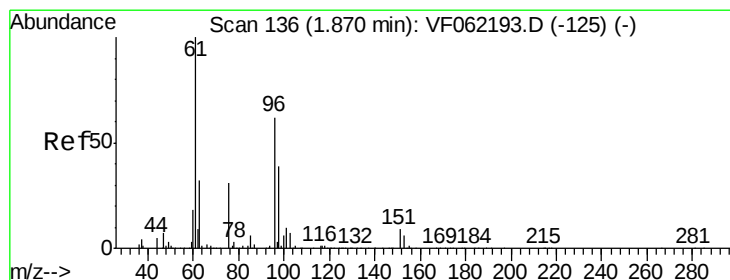
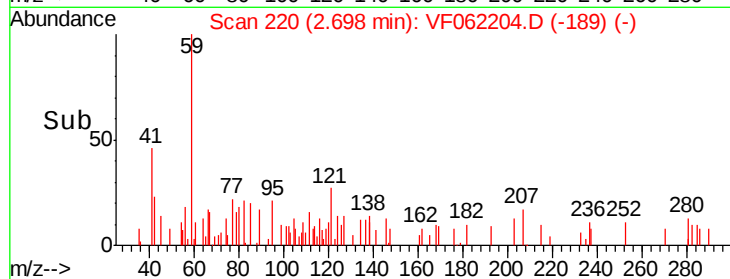
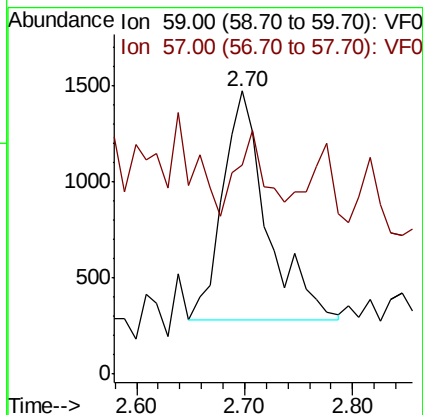
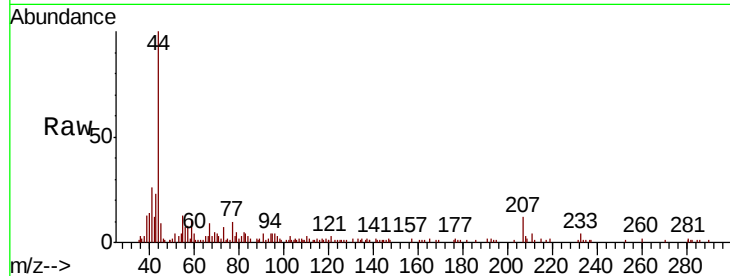


#11

Tert butyl alcohol
 Concen: 11.884 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VF062204.D
 Acq: 18 Apr 2019 14:47

Instrument :
 MSVOA_F
 ClientSampleId :

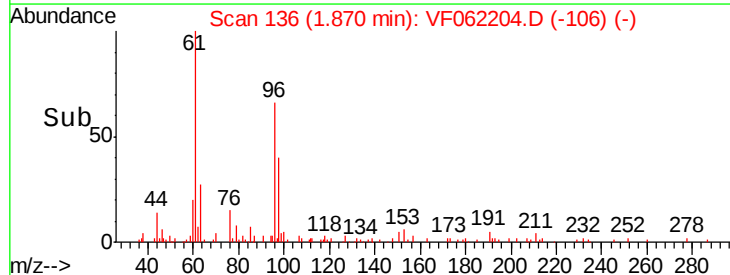
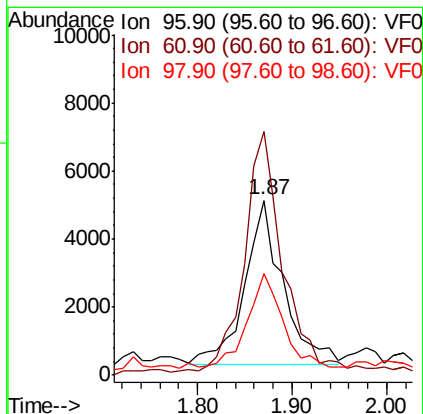
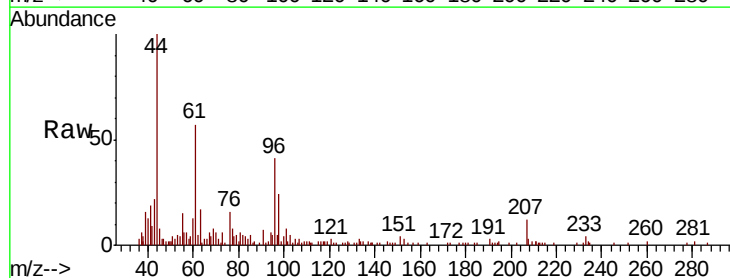
Tot Ion: 59 Resp: 3368
 Ion Ratio Lower Upper
 59 100
 57 25.2 9.3 13.9#

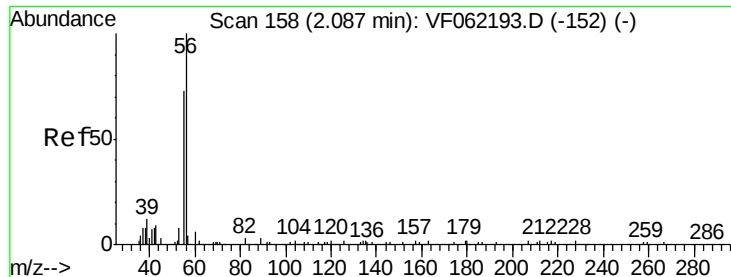


#12

1,1-Dichloroethene
 Concen: 2.749 ug/l
 RT: 1.87 min Scan# 136
 Delta R.T. -0.00 min
 Lab File: VF062204.D
 Acq: 18 Apr 2019 14:47

Tgt Ion: 96 Resp: 13615
 Ion Ratio Lower Upper
 96 100
 61 146.6 129.1 193.7
 98 57.7 50.0 75.0





#13

Acrolein

Concen: Below Cal

RT: 2.11 min Scan# 160

Delta R.T. 0.02 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

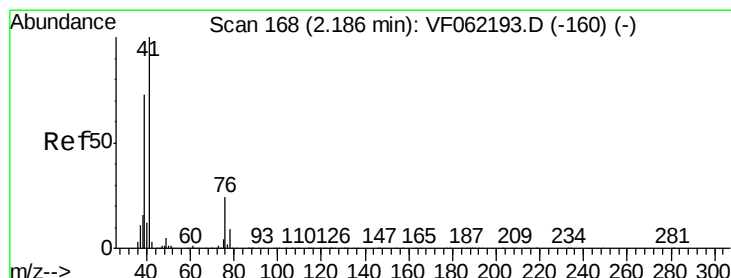
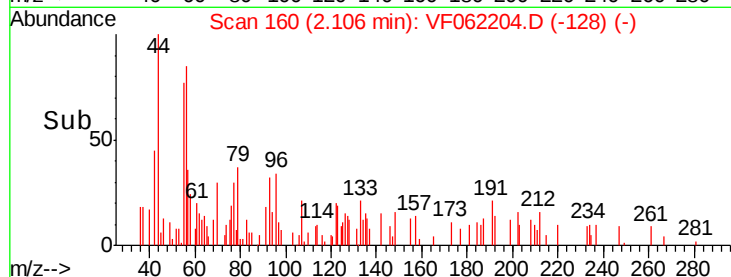
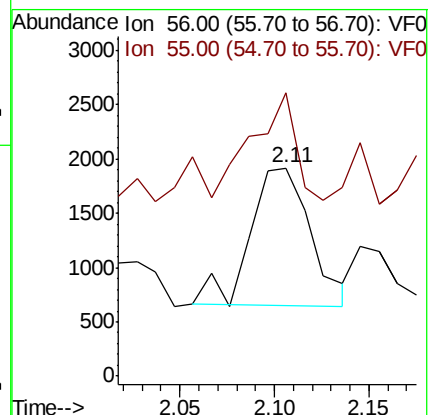
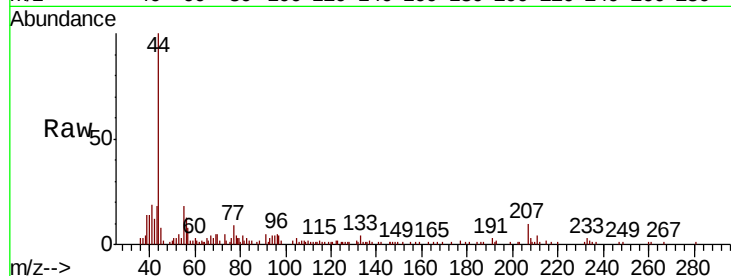
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 2789

Ion Ratio Lower Upper

56 100

55 71.1 57.4 86.0



#14

Allyl chloride

Concen: 2.451 ug/l

RT: 2.19 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

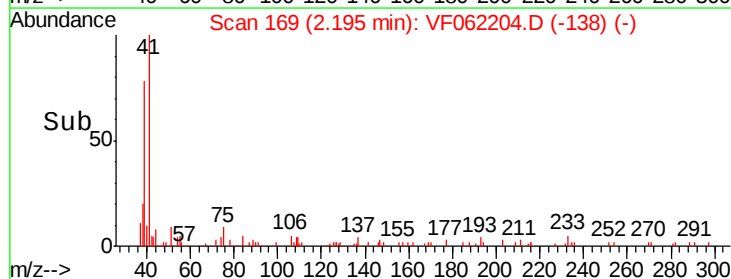
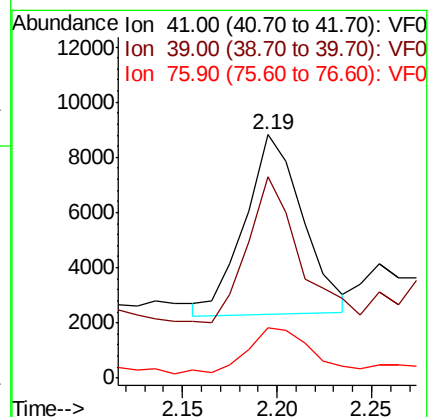
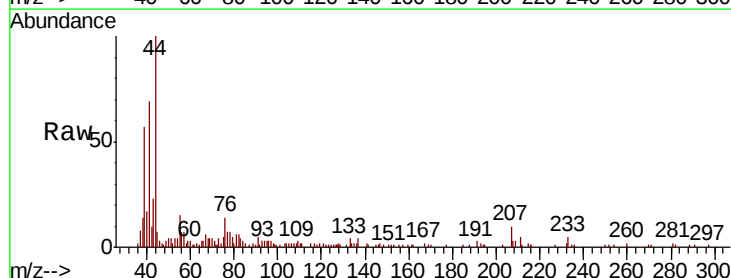
Tgt Ion: 41 Resp: 13930

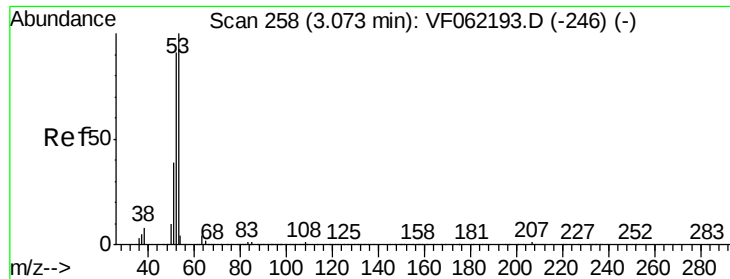
Ion Ratio Lower Upper

41 100

39 71.9 60.0 90.0

76 26.0 20.6 30.8





#15

Acrylonitrile

Concen: 13.057 ug/l

RT: 3.08 min Scan# 259

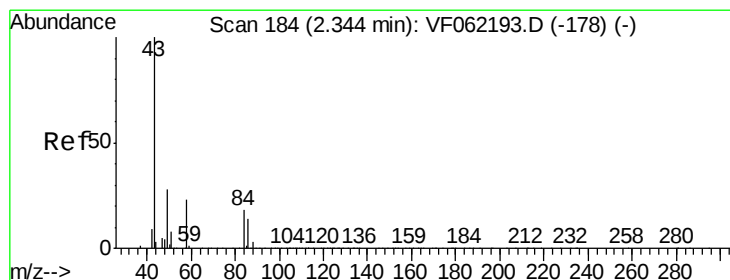
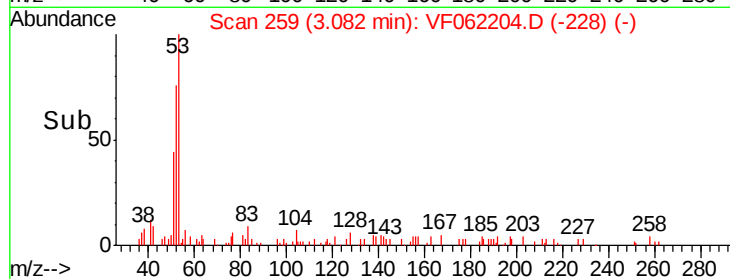
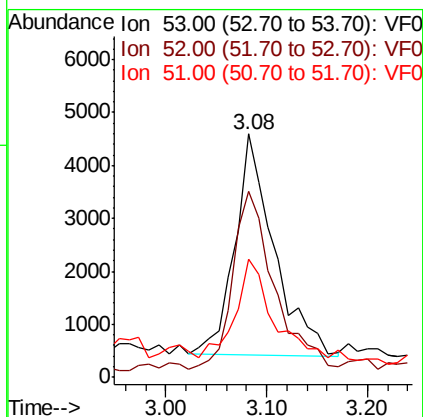
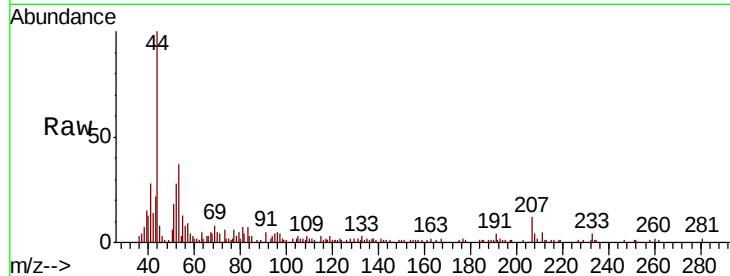
Delta R.T. 0.01 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	11271
Ion	Ratio	Lower	Upper
53	100		
52	84.5	69.5	104.3
51	52.2	31.8	47.8#



#16

Acetone

Concen: 16.031 ug/l

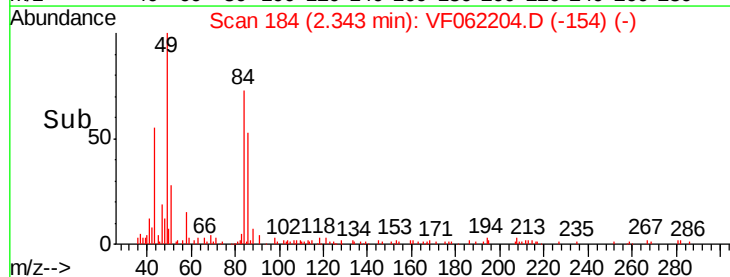
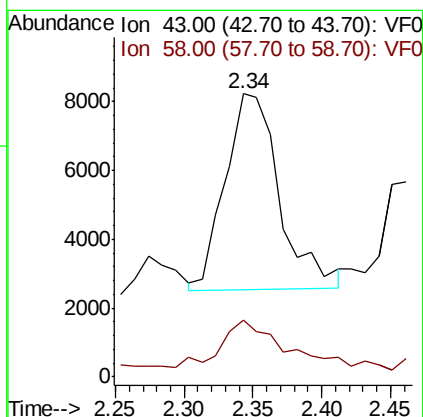
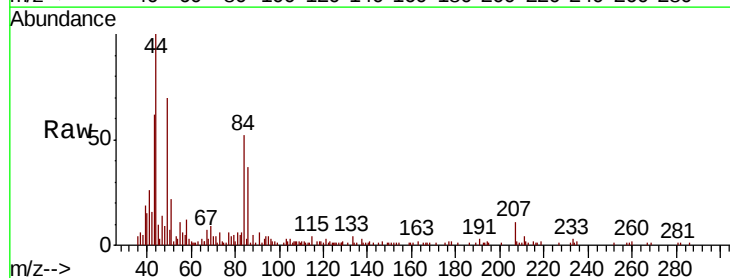
RT: 2.34 min Scan# 184

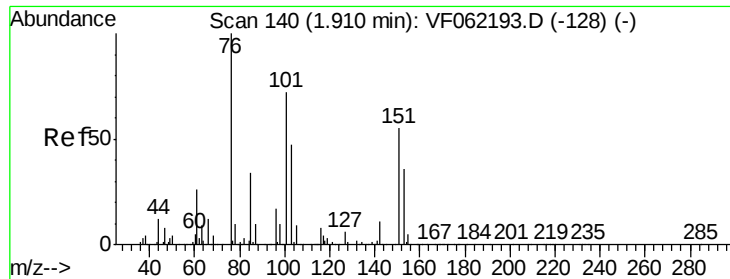
Delta R.T. -0.00 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

Tgt Ion:	43	Resp:	15623
Ion	Ratio	Lower	Upper
43	100		
58	19.5	18.8	28.2

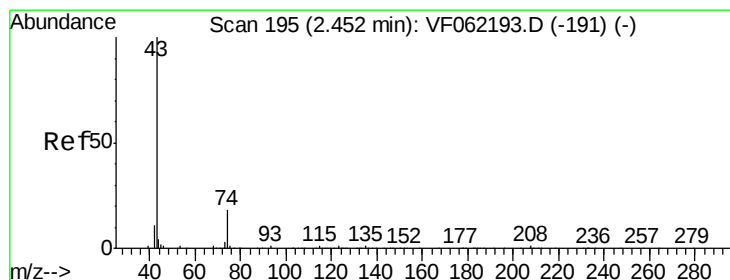
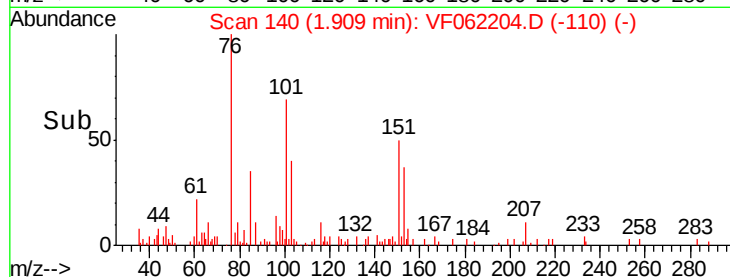
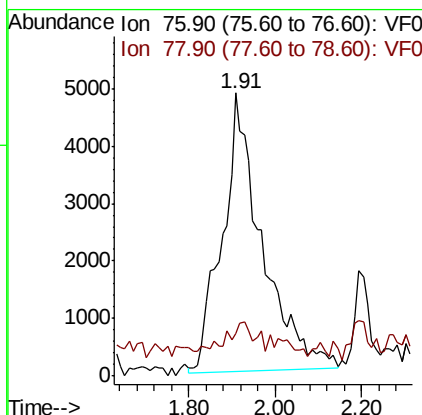
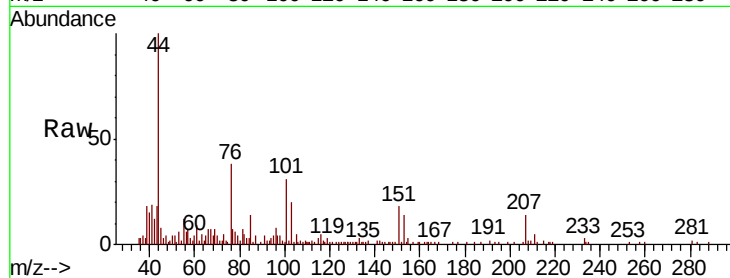




#17
Carbon Disulfide
Concen: 2.251 ug/l
RT: 1.91 min Scan# 140
Delta R.T. -0.00 min
Lab File: VF062204.D
Acq: 18 Apr 2019 14:47

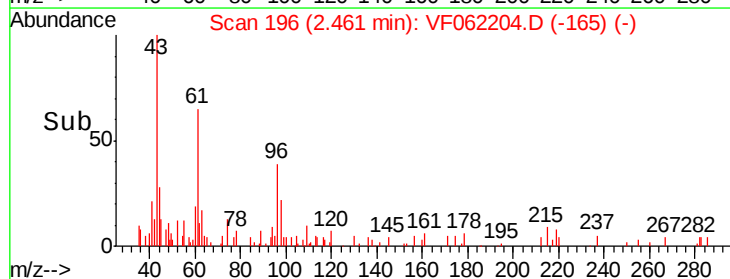
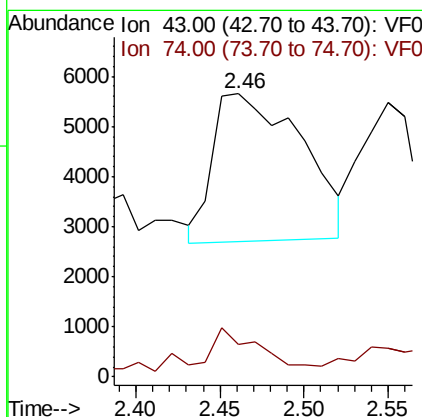
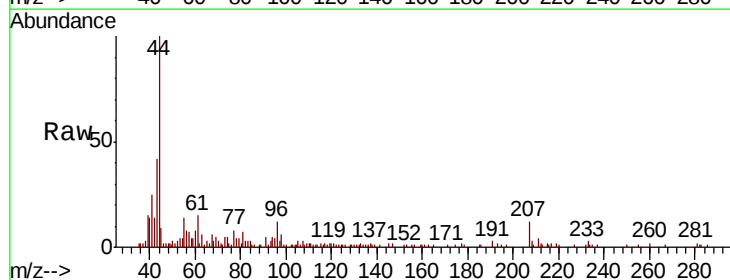
Instrument :
MSVOA_F
ClientSampled :

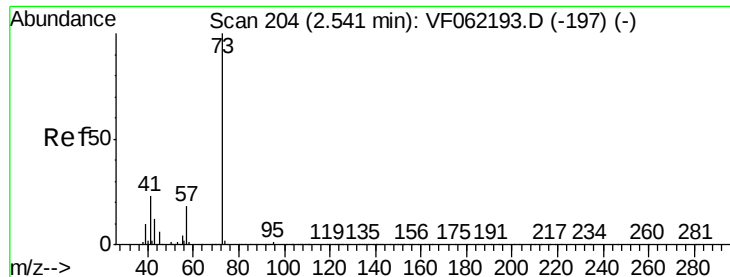
Tot Ion: 76 Resp: 30979
Ion Ratio Lower Upper
76 100
78 5.9 8.7 13.1#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.46 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF062204.D
Acq: 18 Apr 2019 14:47

Tgt Ion: 43 Resp: 10809
Ion Ratio Lower Upper
43 100
74 18.4 14.5 21.7

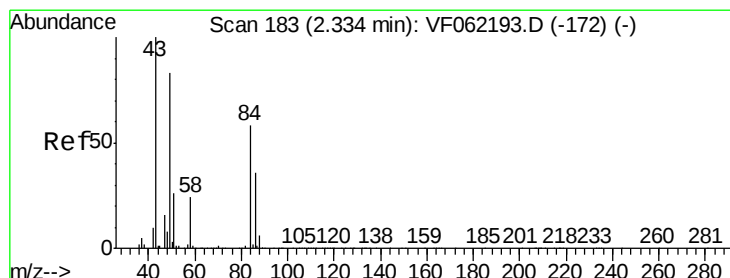
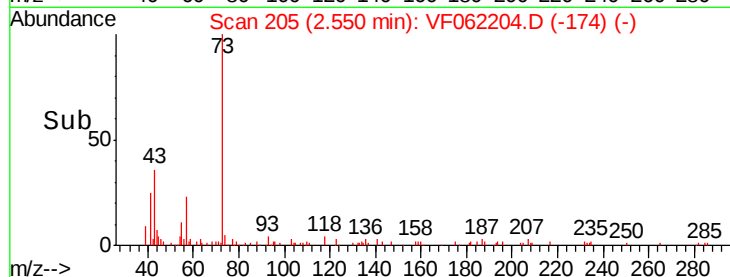
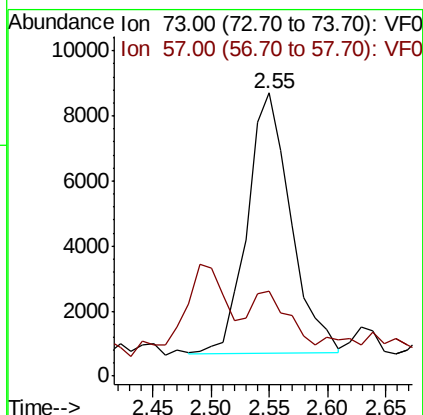
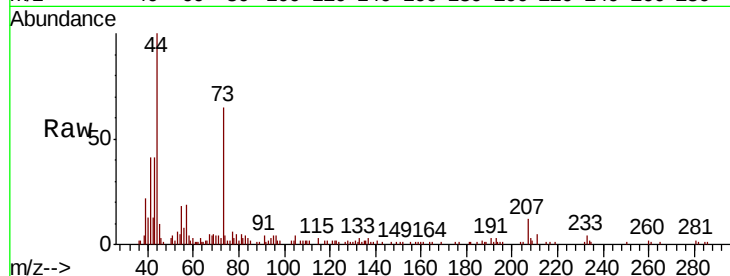




#19
Methvl tert-butvl Ether
Concen: 2.369 ug/l
RT: 2.55 min Scan# 205
Delta R.T. 0.01 min
Lab File: VF062204.D
Acq: 18 Apr 2019 14:47

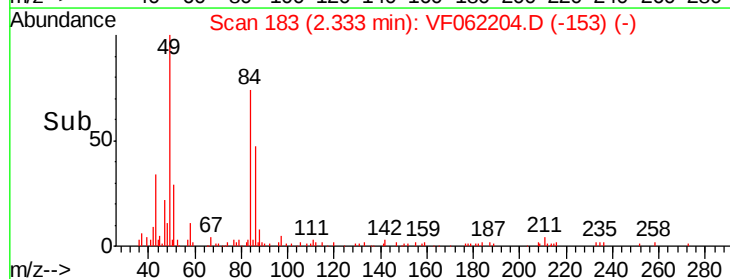
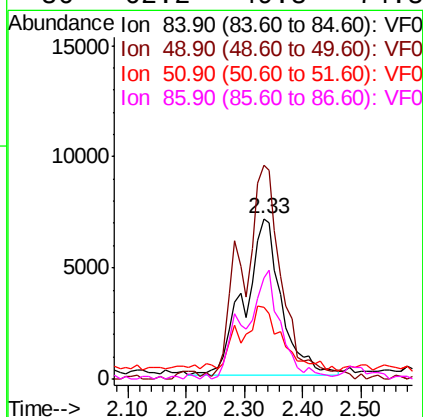
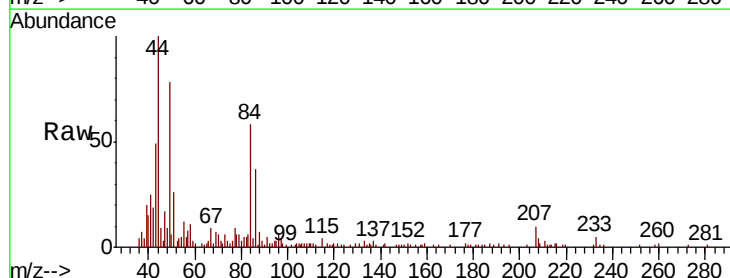
Instrument :
MSVOA_F
ClientSampleId :

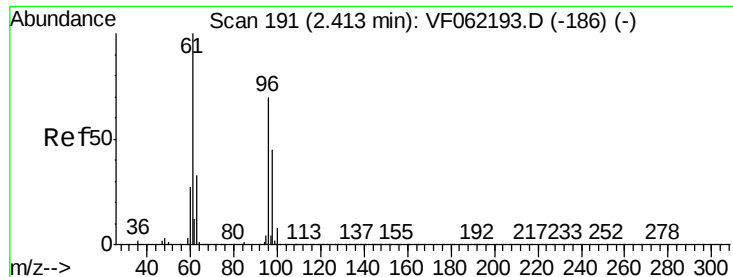
Tot Ion: 73 Resp: 20716
Ion Ratio Lower Upper
73 100
57 18.7 15.1 22.7



#20
Methylene Chloride
Concen: 0.402 ug/l
RT: 2.33 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF062204.D
Acq: 18 Apr 2019 14:47

Tgt Ion: 84 Resp: 31652
Ion Ratio Lower Upper
84 100
49 131.4 114.0 171.0
51 41.0 37.0 55.4
86 62.2 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 2.579 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

Instrument :

MSVOA_F

ClientSampleId :

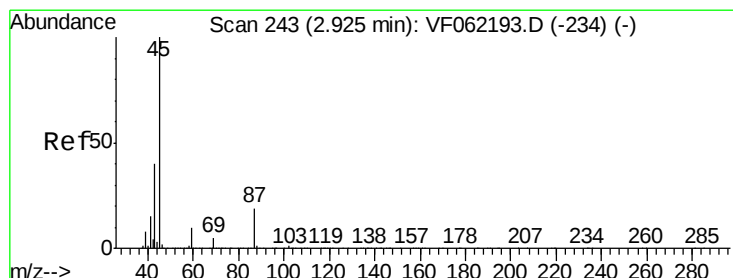
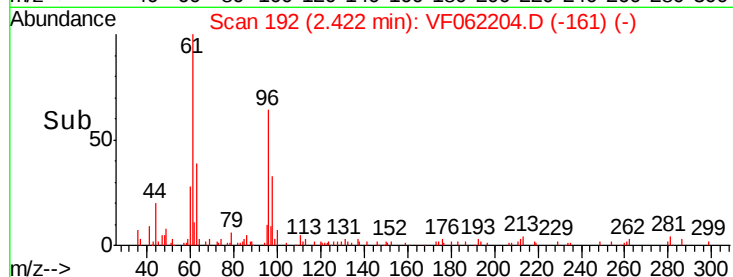
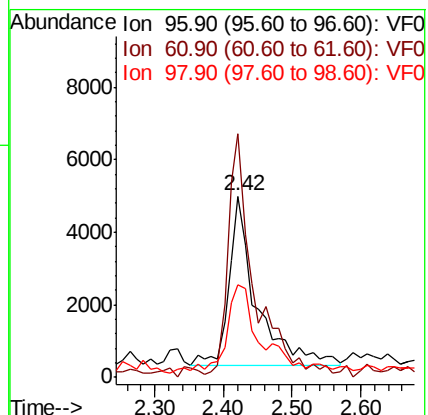
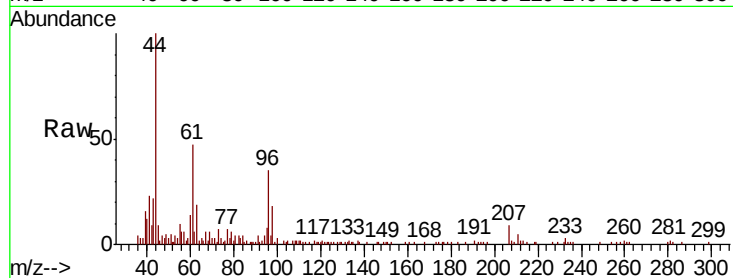
Tot Ion: 96 Resp: 12633

Ion Ratio Lower Upper

96 100

61 141.6 114.6 172.0

98 50.7 51.2 76.8#



#22

Diisopropyl ether

Concen: 2.370 ug/l

RT: 2.93 min Scan# 244

Delta R.T. 0.01 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

Tgt Ion: 45 Resp: 34457

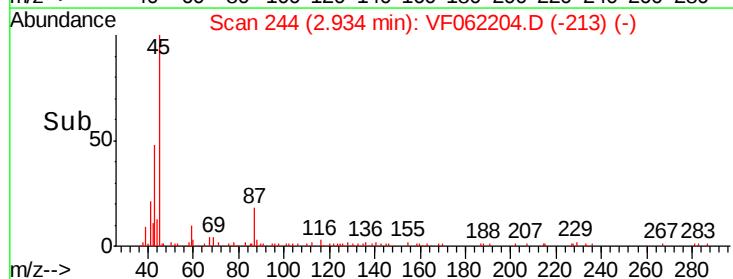
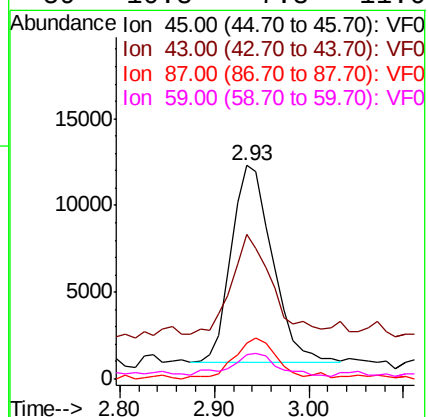
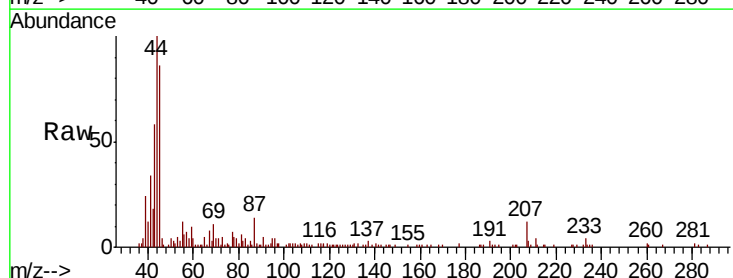
Ion Ratio Lower Upper

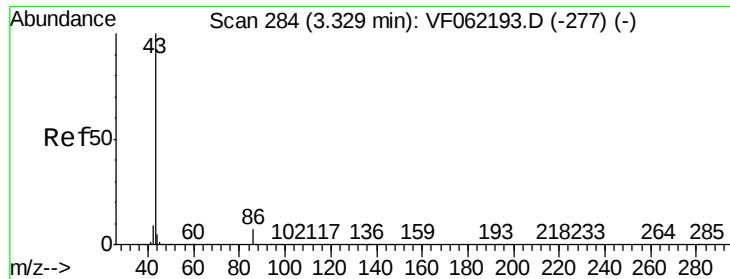
45 100

43 50.9 32.8 49.2#

87 17.1 15.2 22.8

59 10.8 7.8 11.6





#23

Vinyl Acetate

Concen: 11.809 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.02 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

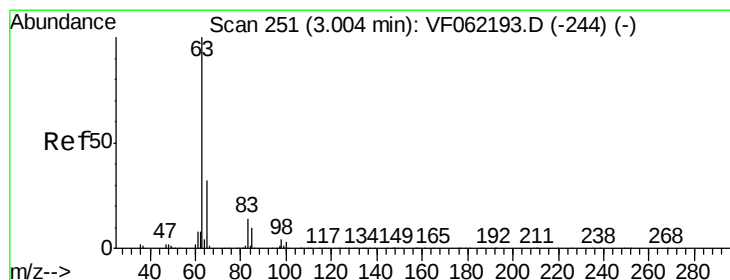
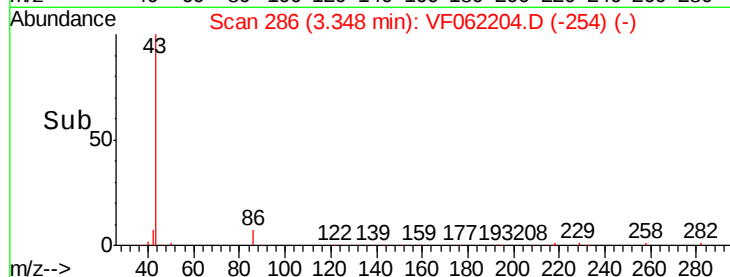
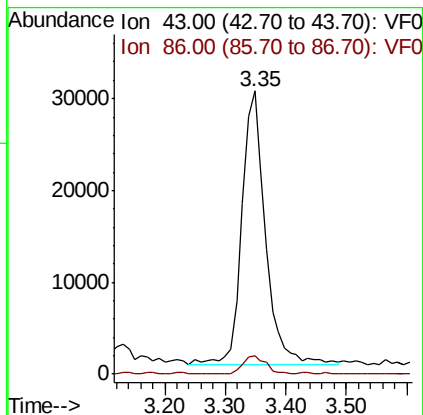
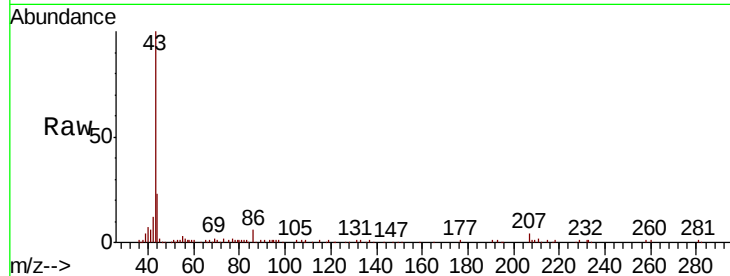
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 81814

Ion Ratio Lower Upper

43 100

86 6.6 5.9 8.9



#24

1,1-Dichloroethane

Concen: 2.445 ug/l

RT: 3.01 min Scan# 252

Delta R.T. 0.01 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

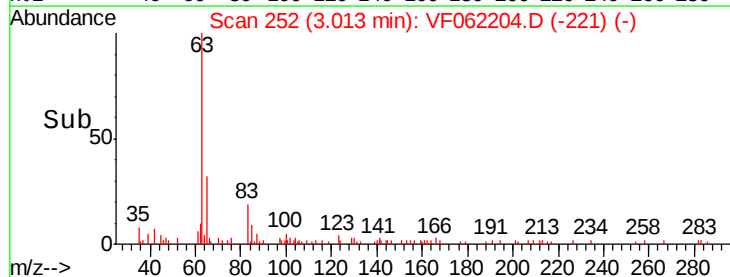
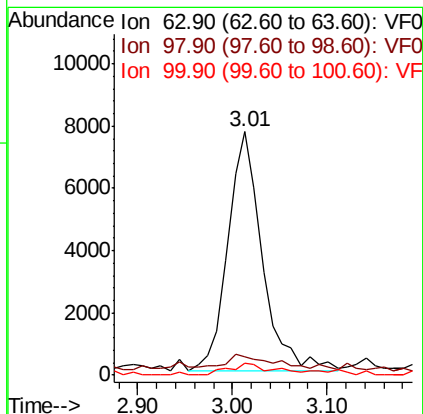
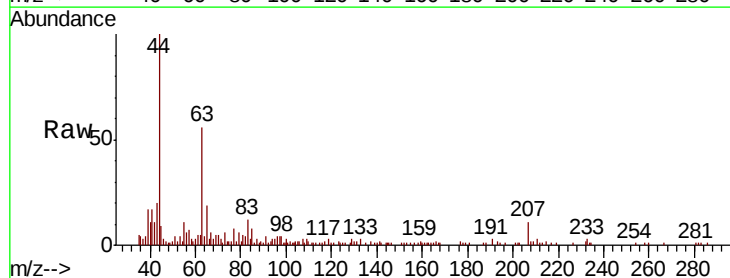
Tgt Ion: 63 Resp: 19446

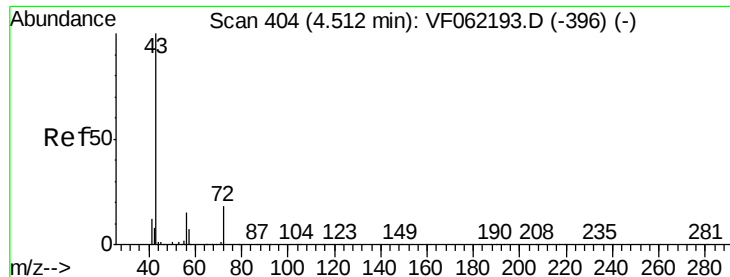
Ion Ratio Lower Upper

63 100

98 5.1 2.3 6.8

100 5.1 1.7 5.0#





#25

2-Butanone

Concen: 13.538 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.02 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

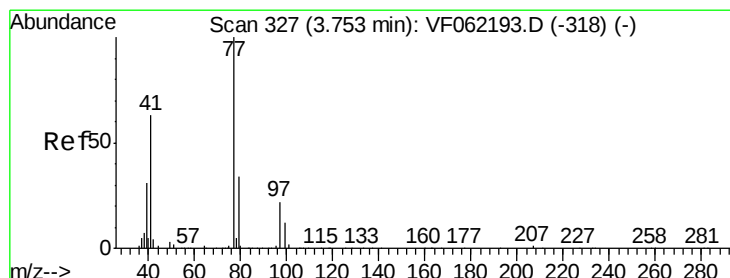
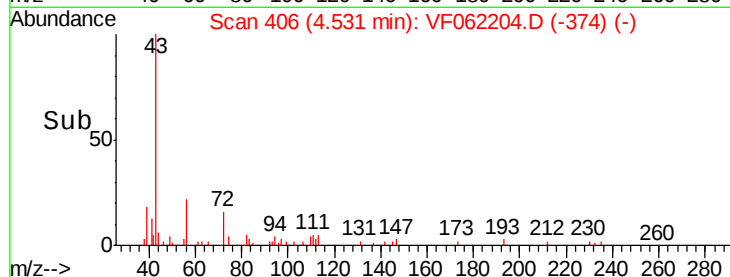
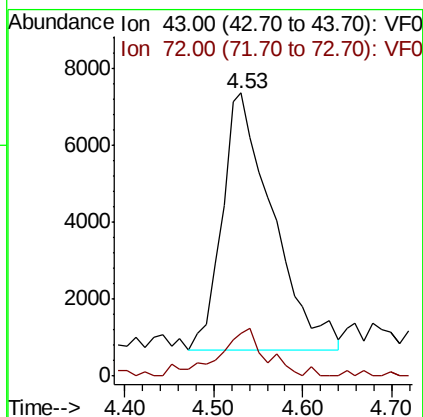
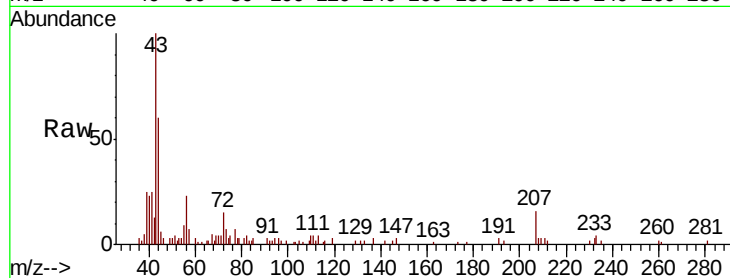
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 26381

Ion Ratio Lower Upper

43 100

72 16.9 16.1 24.1



#26

2,2-Dichloropropane

Concen: 2.275 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.03 min

Lab File: VF062204.D

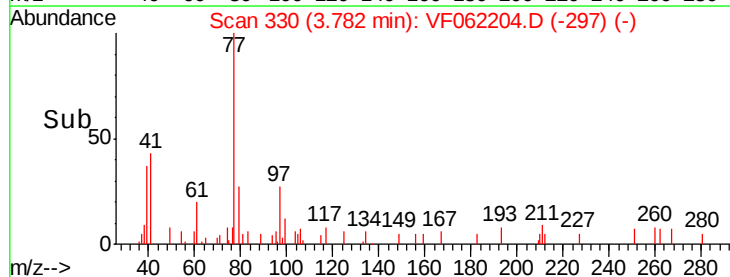
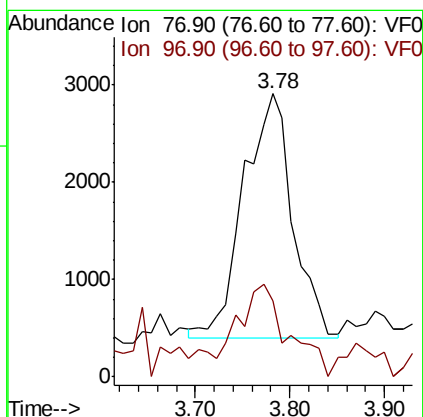
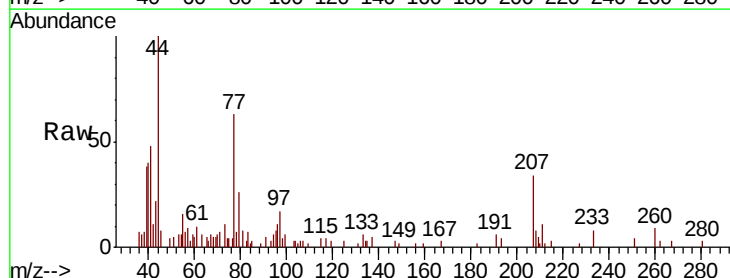
Acq: 18 Apr 2019 14:47

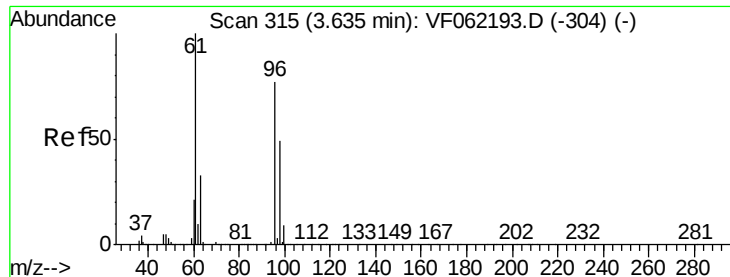
Tgt Ion: 77 Resp: 9137

Ion Ratio Lower Upper

77 100

97 37.9 11.1 33.3#



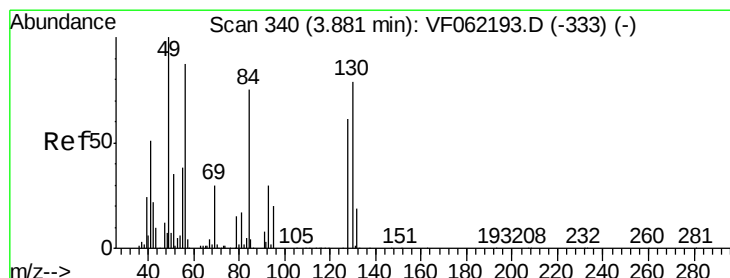
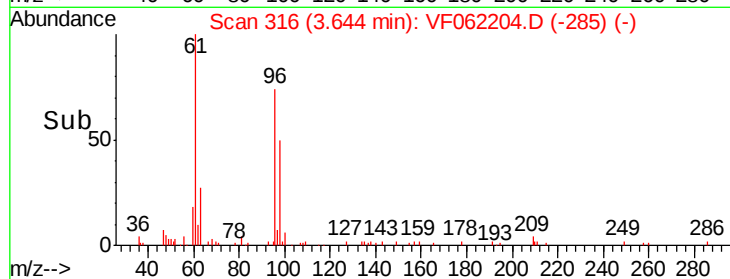
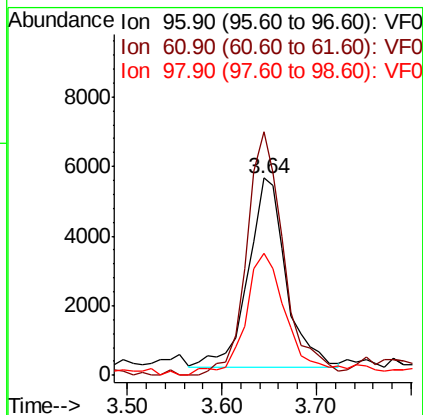
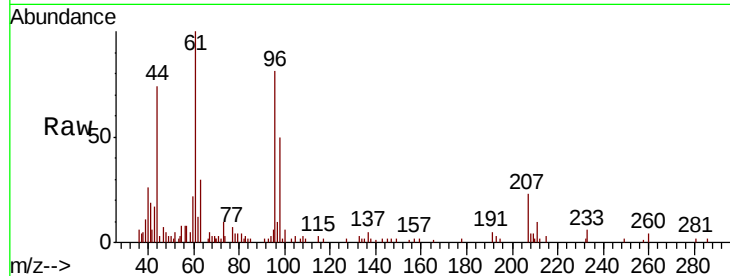


#27

cis-1,2-Dichloroethene
Concen: 2.384 ug/l
RT: 3.64 min Scan# 316
Delta R.T. 0.01 min
Lab File: VF062204.D
Acq: 18 Apr 2019 14:47

Instrument :
MSVOA_F
ClientSampleId :

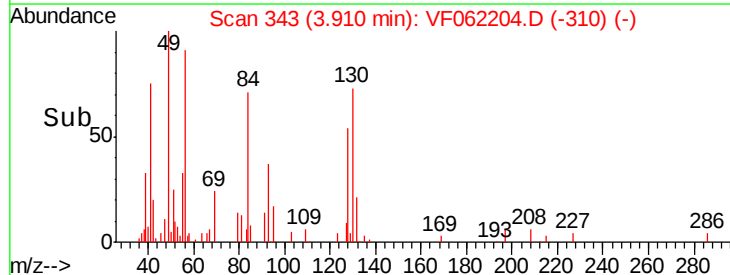
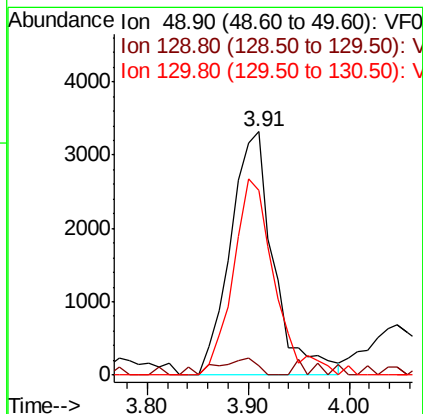
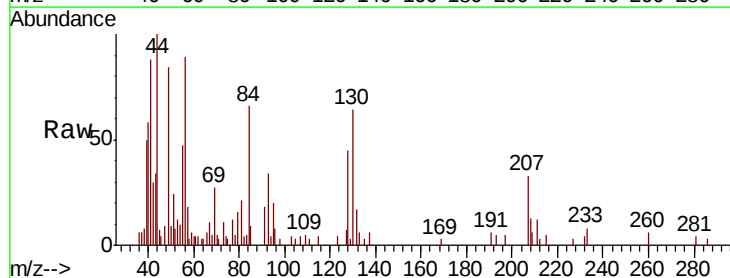
Tot Ion	Ratio	Lower	Upper
96	100		
61	125.6	0.0	253.6
98	70.7	0.0	124.8

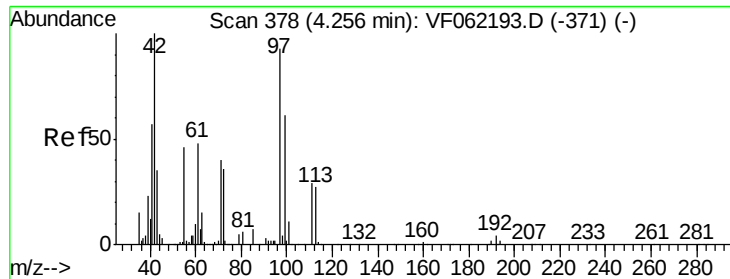


#28

Bromochloromethane
Concen: 2.602 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.03 min
Lab File: VF062204.D
Acq: 18 Apr 2019 14:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	6.3	0.0	0.0#
130	77.2	66.6	100.0





#29

Tetrahydrofuran

Concen: 14.598 ug/l

RT: 4.27 min Scan# 380

Delta R.T. 0.02 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

Instrument :

MSVOA_F

ClientSampleId :

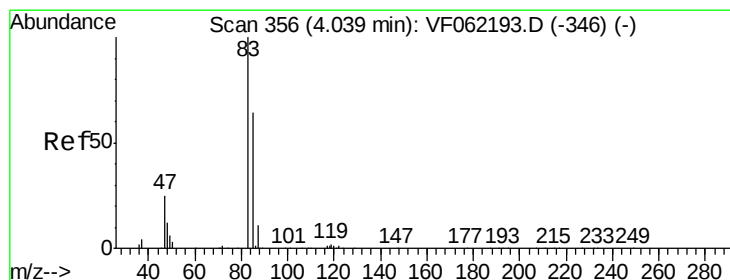
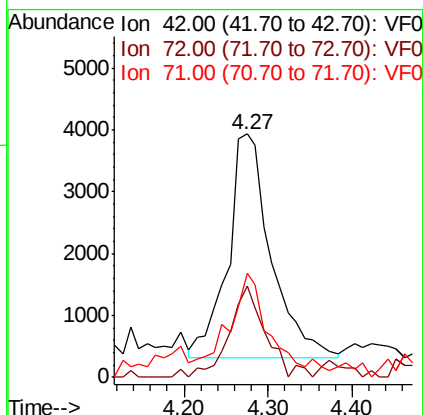
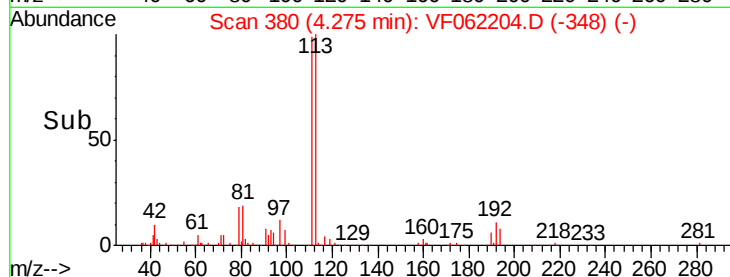
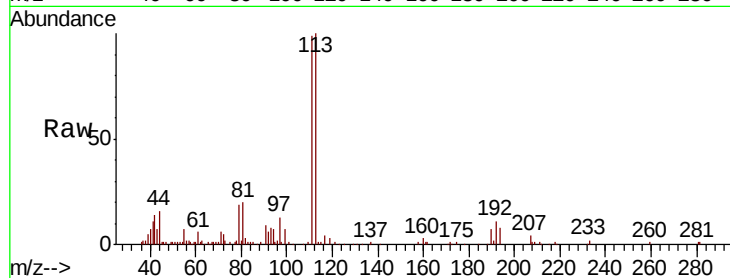
Tot Ion: 42 Resp: 12876

Ion Ratio Lower Upper

42 100

72 35.0 28.6 43.0

71 33.6 29.2 43.8



#30

Chloroform

Concen: 2.370 ug/l

RT: 4.06 min Scan# 358

Delta R.T. 0.02 min

Lab File: VF062204.D

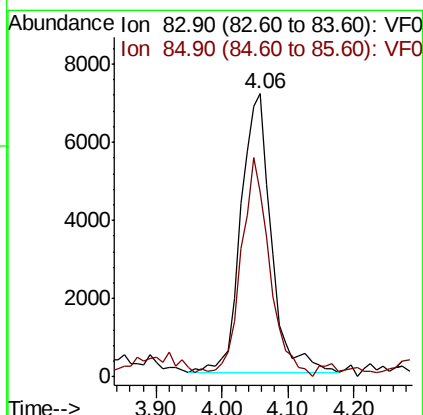
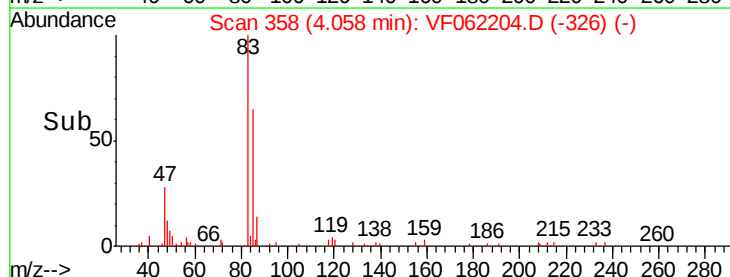
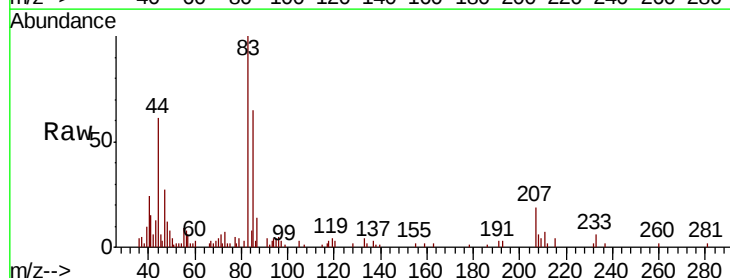
Acq: 18 Apr 2019 14:47

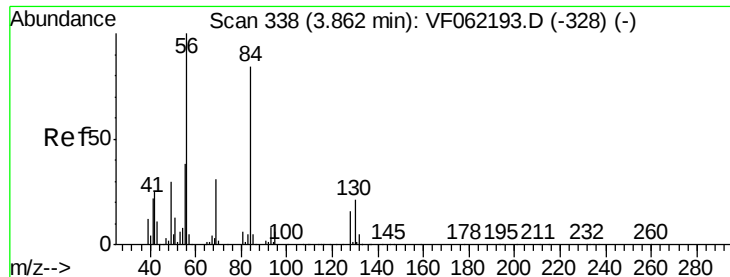
Tgt Ion: 83 Resp: 23167

Ion Ratio Lower Upper

83 100

85 64.2 51.8 77.8

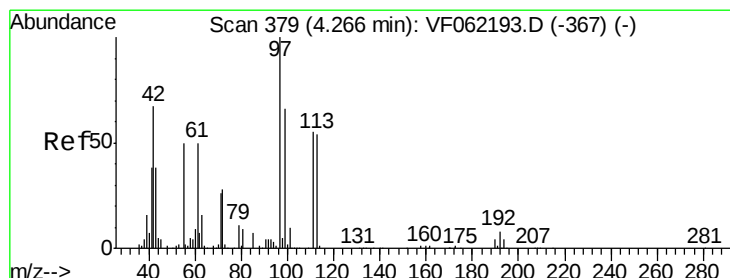
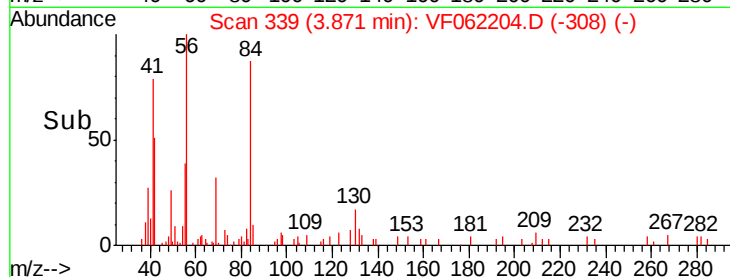
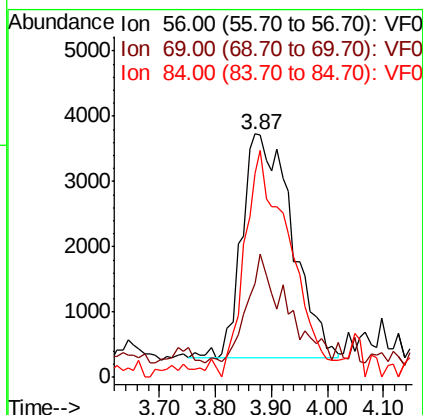
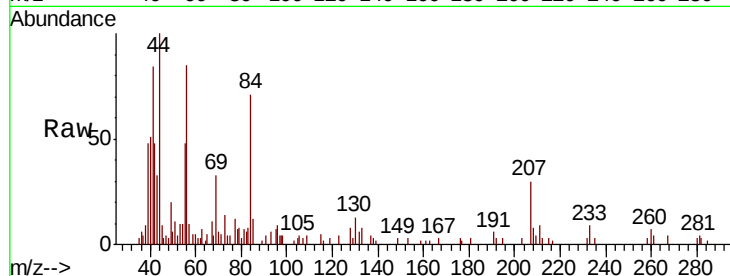




#31
Cyclohexane
Concen: 2.205 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.01 min
Lab File: VF062204.D
Acq: 18 Apr 2019 14:47

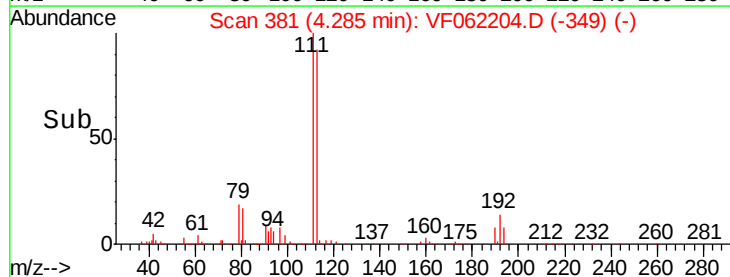
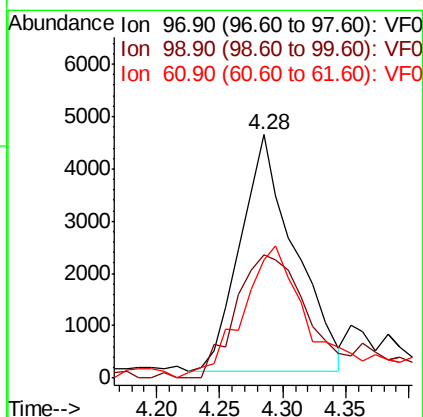
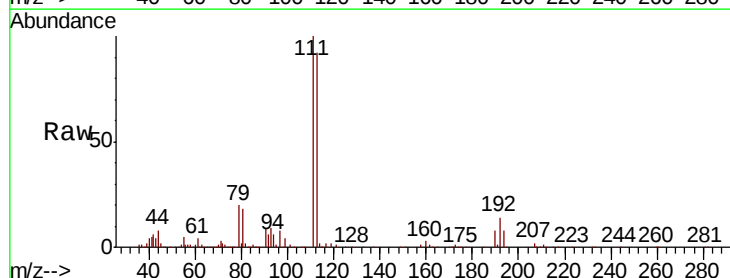
Instrument :
MSVOA_F
ClientSampleId :

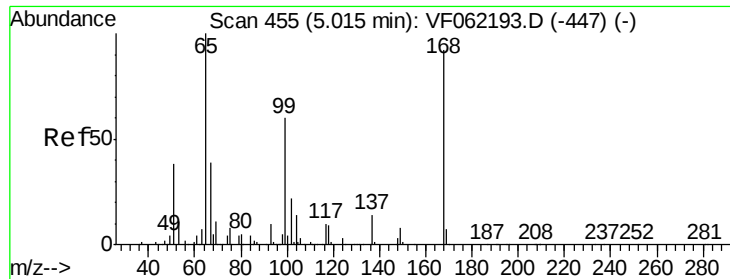
Tot Ion: 56 Resp: 21023
Ion Ratio Lower Upper
56 100
69 28.7 25.1 37.7
84 87.3 67.8 101.6



#32
1,1,1-Trichloroethane
Concen: 1.894 ug/l
RT: 4.28 min Scan# 381
Delta R.T. 0.02 min
Lab File: VF062204.D
Acq: 18 Apr 2019 14:47

Tgt Ion: 97 Resp: 13549
Ion Ratio Lower Upper
97 100
99 68.6 52.7 79.1
61 70.8 53.0 79.4





#33

1,2-Dichloroethane-d4

Concen: 55.618 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.02 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

Instrument :

MSVOA_F

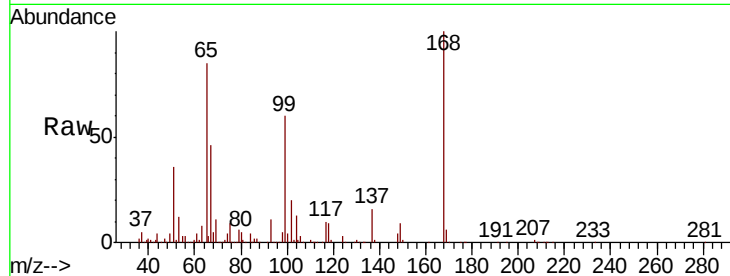
ClientSampleId :

Tot Ion: 65 Resp: 226761

Ion Ratio Lower Upper

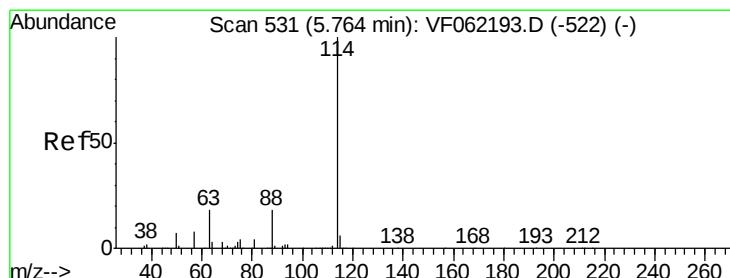
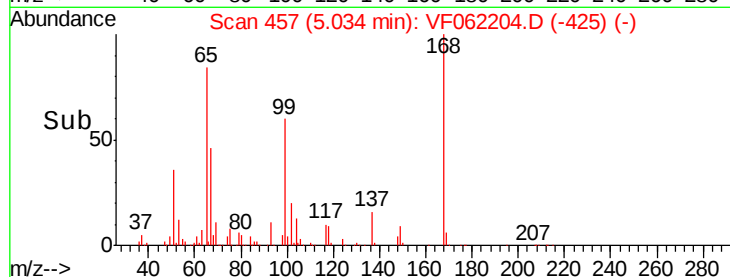
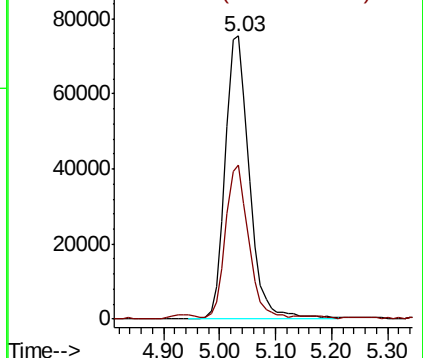
65 100

67 50.5 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: VF062204.D

Acq: 18 Apr 2019 14:47

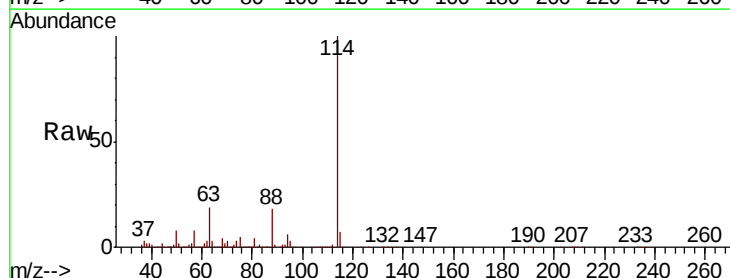
Tgt Ion: 114 Resp: 663311

Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.6

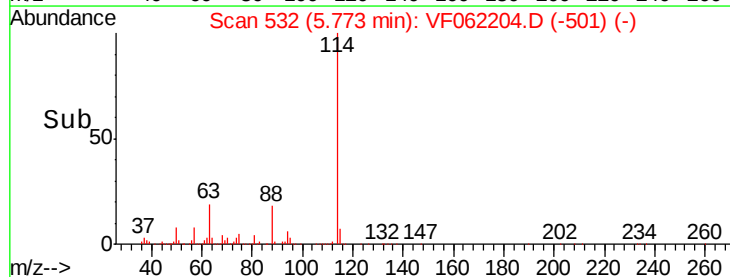
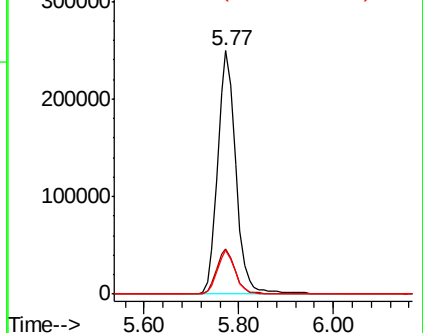
88 18.0 0.0 35.8

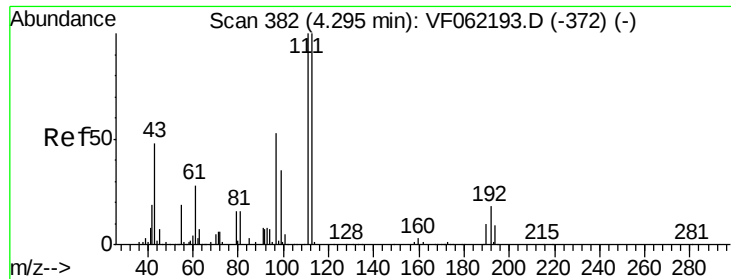


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

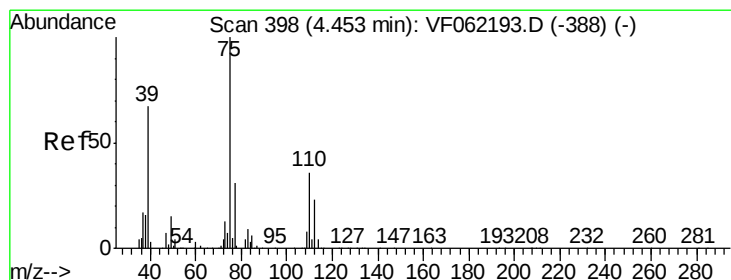
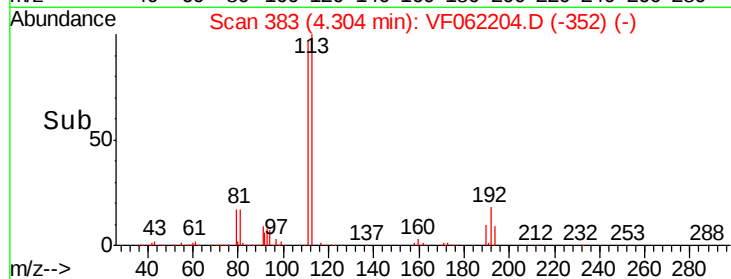
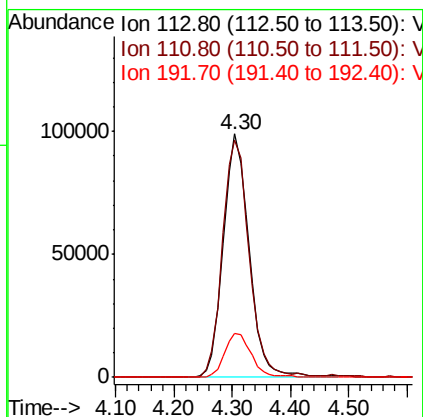
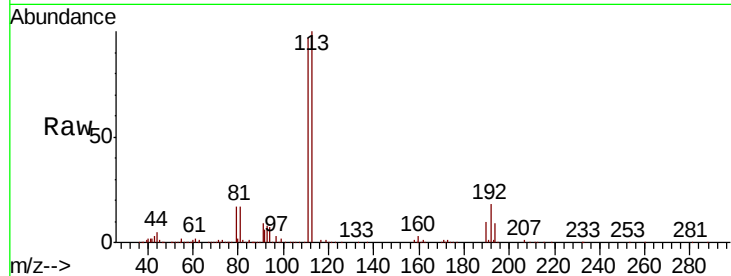




#35
 Dibromofluoromethane
 Concen: 52.772 ug/l
 RT: 4.30 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VF062204.D
 Acq: 18 Apr 2019 14:47

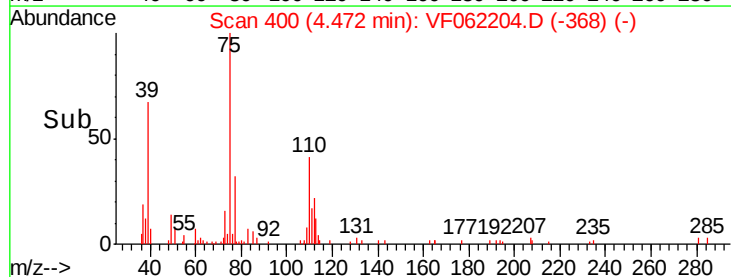
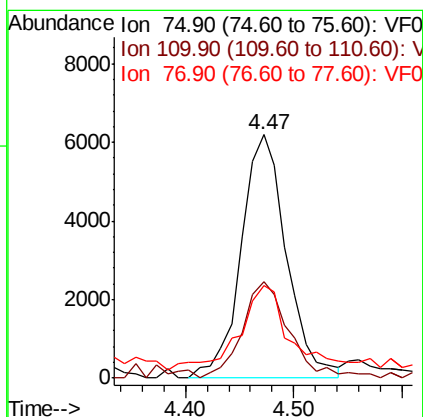
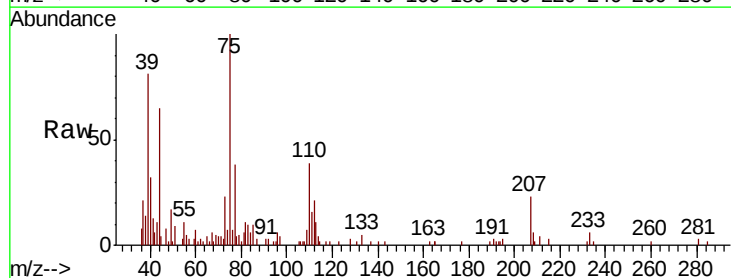
Instrument :
 MSVOA_F
 ClientSampled :

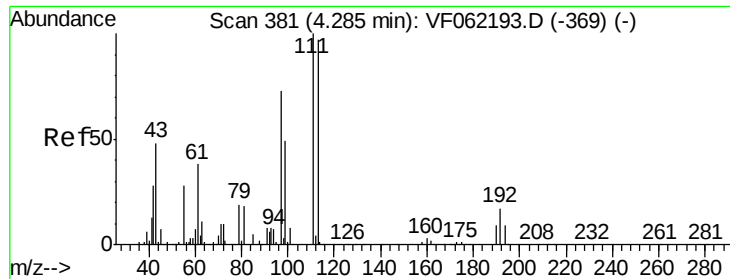
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	81.1	121.7
192	18.7	14.7	22.1



#36
 1,1-Dichloropropene
 Concen: 2.285 ug/l
 RT: 4.47 min Scan# 400
 Delta R.T. 0.02 min
 Lab File: VF062204.D
 Acq: 18 Apr 2019 14:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	41.1	18.4	55.2
77	40.3	25.4	38.2#

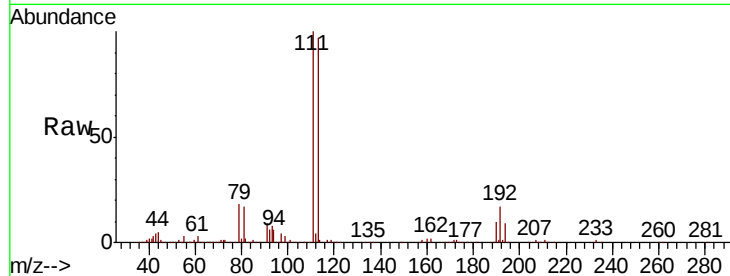




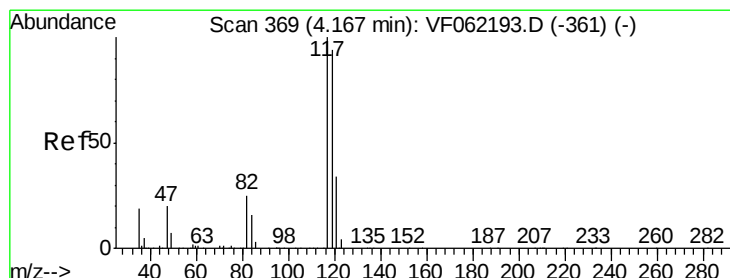
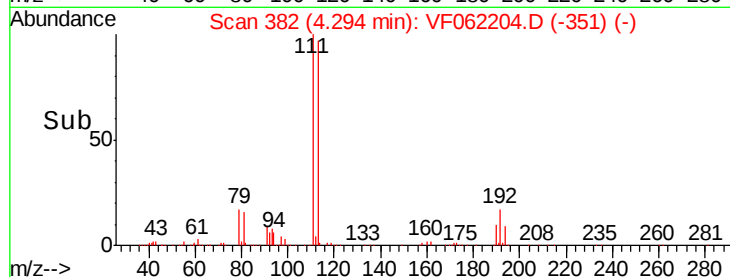
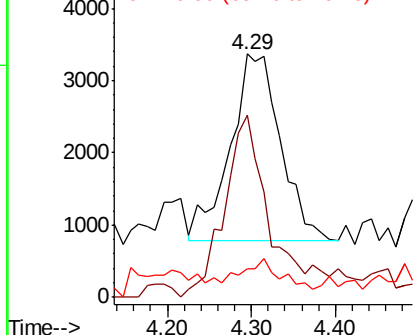
#37
Ethyl Acetate
Concen: 2.886 ug/l
RT: 4.29 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF062204.D
Acq: 18 Apr 2019 14:47

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 10831
Ion Ratio Lower Upper
43 100
61 88.6 0.0 0.0#
70 11.4 7.8 11.6

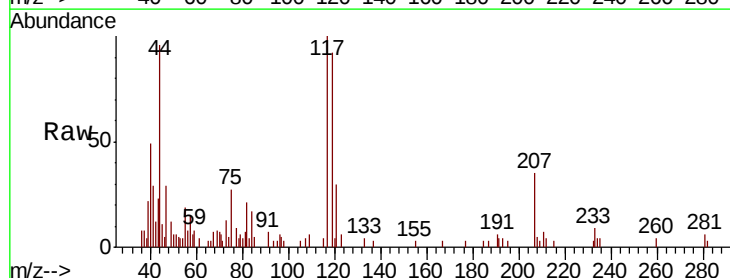


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 70.00 (69.70 to 70.70): VF0

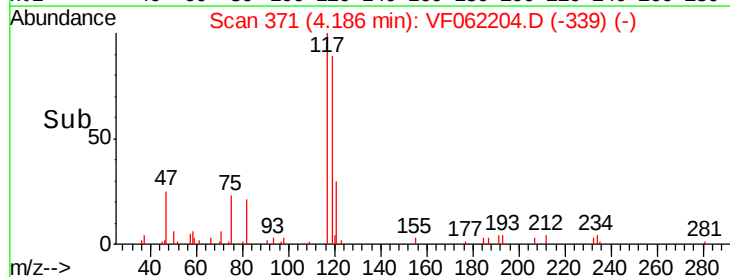
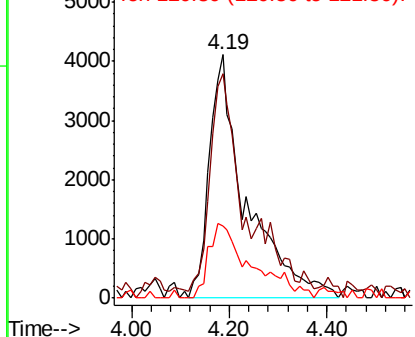


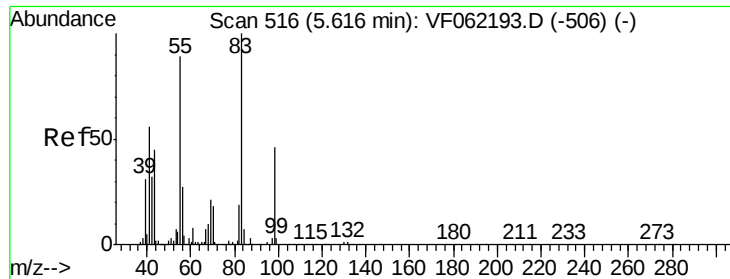
#38
Carbon Tetrachloride
Concen: 3.087 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.02 min
Lab File: VF062204.D
Acq: 18 Apr 2019 14:47

Tgt Ion: 117 Resp: 21727
Ion Ratio Lower Upper
117 100
119 89.1 75.0 112.4
121 29.6 26.9 40.3



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

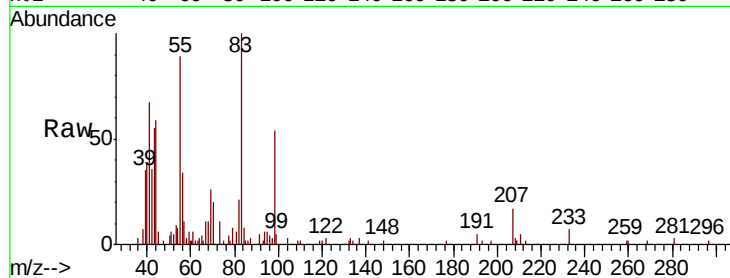




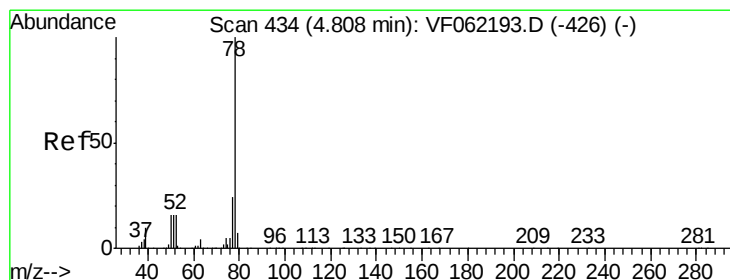
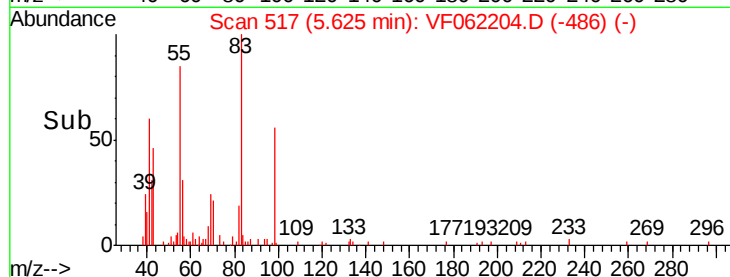
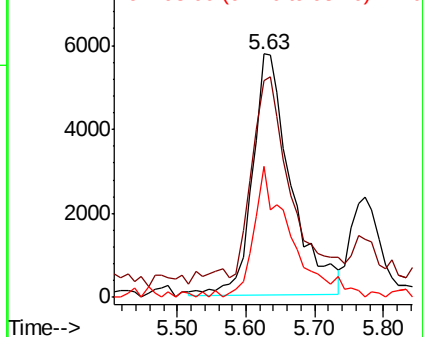
#39
Methvlcvclohexane
Concen: 2.357 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.01 min
Lab File: VF062204.D
Acq: 18 Apr 2019 14:47

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 83 Resp: 22447
Ion Ratio Lower Upper
83 100
55 85.2 71.0 106.6
98 53.4 36.7 55.1

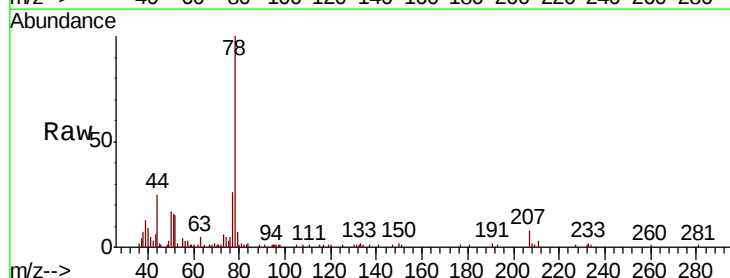


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

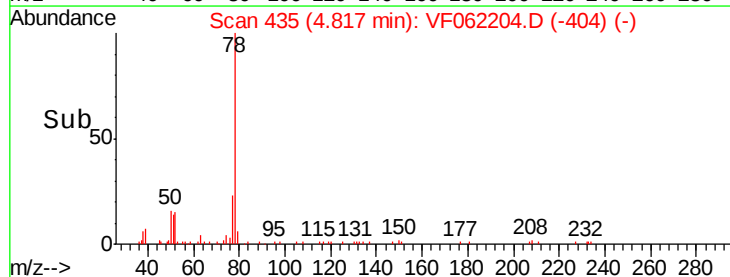
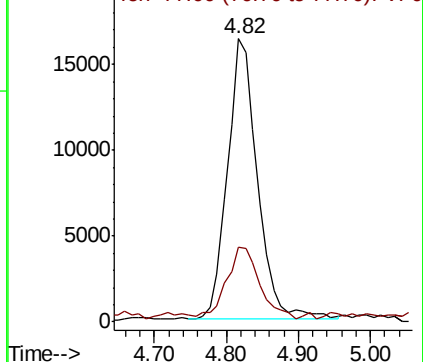


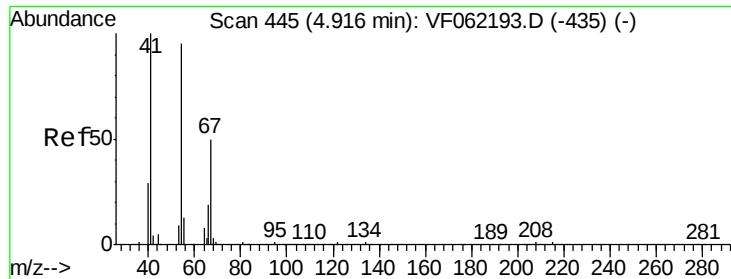
#40
Benzene
Concen: 2.263 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.01 min
Lab File: VF062204.D
Acq: 18 Apr 2019 14:47

Tgt Ion: 78 Resp: 47211
Ion Ratio Lower Upper
78 100
77 24.3 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VF0
Ion 77.00 (76.70 to 77.70): VF0

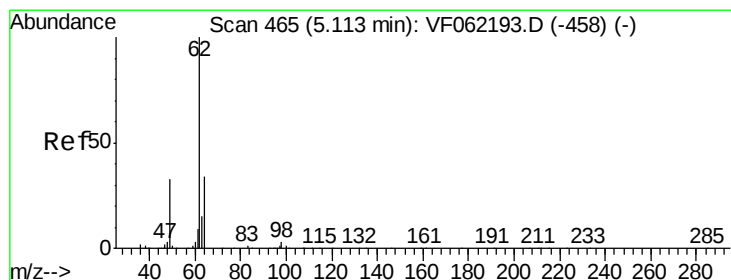
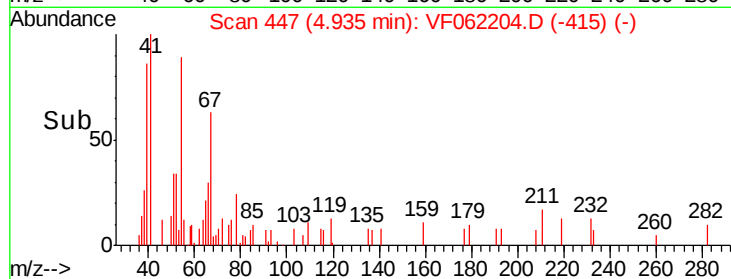
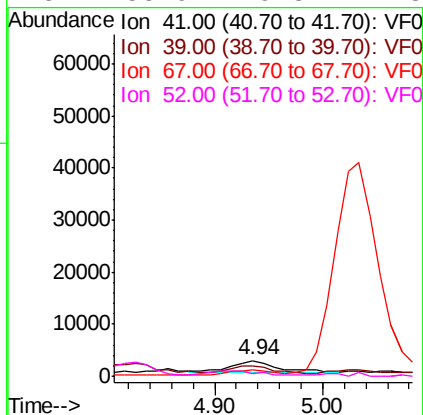
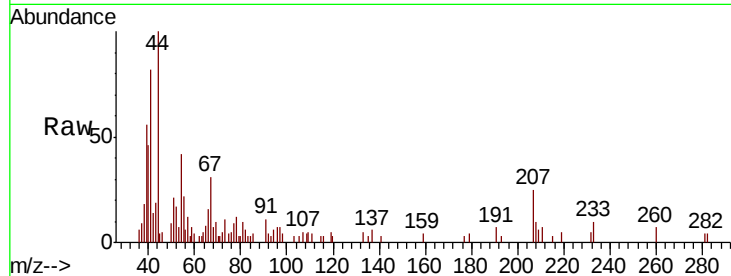




#41
Methacrylonitrile
Concen: 3.261 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.02 min
Lab File: VF062204.D
Acq: 18 Apr 2019 14:47

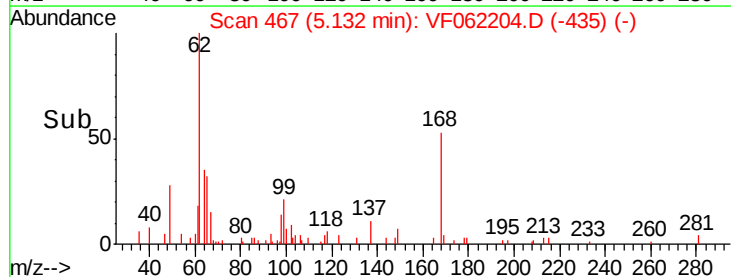
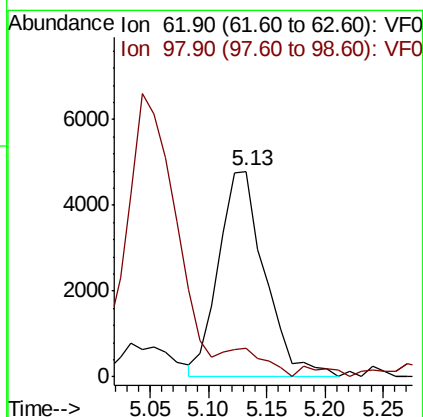
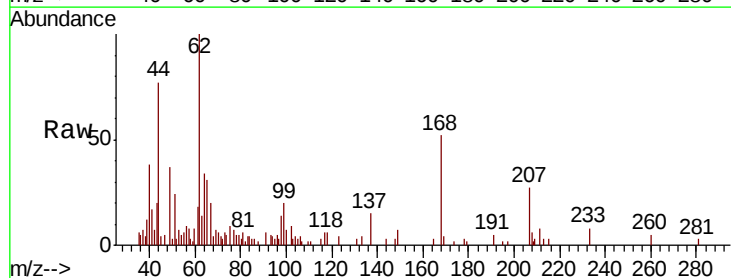
Instrument :
MSVOA_F
ClientSampleId :

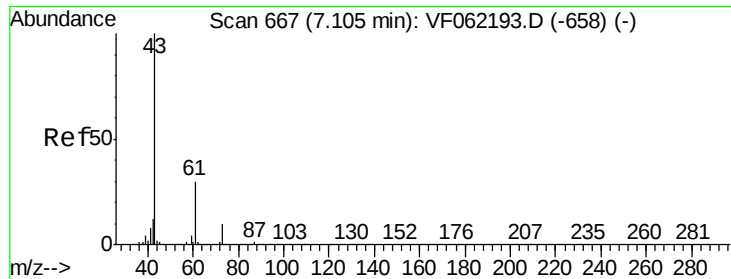
Tot Ion:	41	Resp:	7060
Ion	Ratio	Lower	Upper
41	100		
39	54.2	44.7	67.1
67	0.0	39.1	58.7#
52	55.9	49.8	74.8



#42
1,2-Dichloroethane
Concen: 2.394 ug/l
RT: 5.13 min Scan# 467
Delta R.T. 0.02 min
Lab File: VF062204.D
Acq: 18 Apr 2019 14:47

Tgt Ion:	62	Resp:	13202
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	19.0





#43

Isopropyl Acetate

Concen: 4.185 ug/l

RT: 7.11 min Scan# 668

Delta R.T. 0.01 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

Instrument :

MSVOA_F

ClientSampleId :

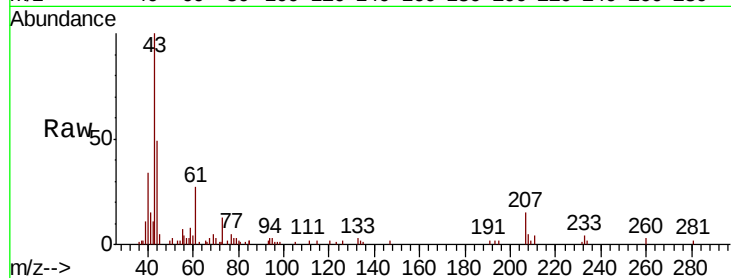
Tot Ion: 43 Resp: 16520

Ion Ratio Lower Upper

43 100

61 33.2 24.4 36.6

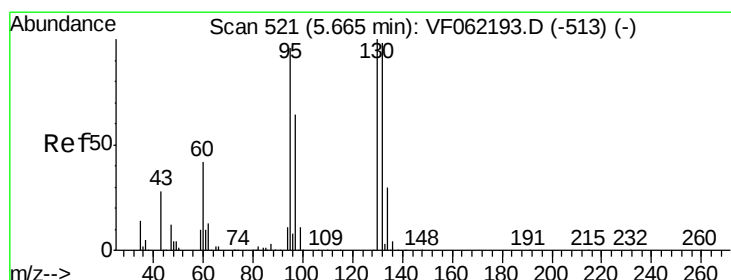
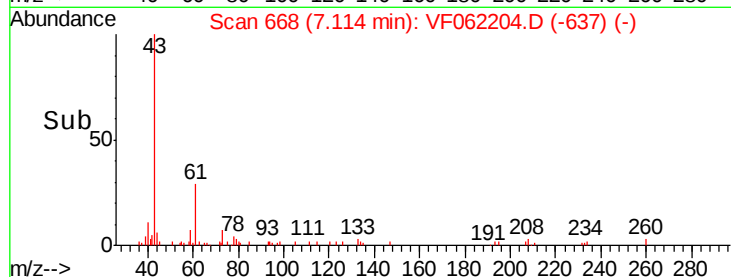
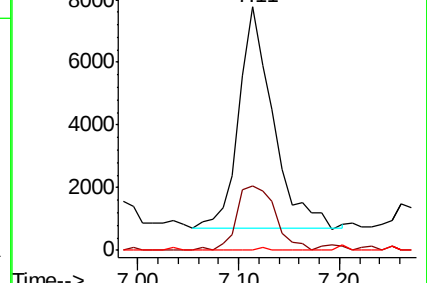
87 0.4 0.4 0.6#



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



#44

Trichloroethene

Concen: 2.521 ug/l

RT: 5.68 min Scan# 523

Delta R.T. 0.02 min

Lab File: VF062204.D

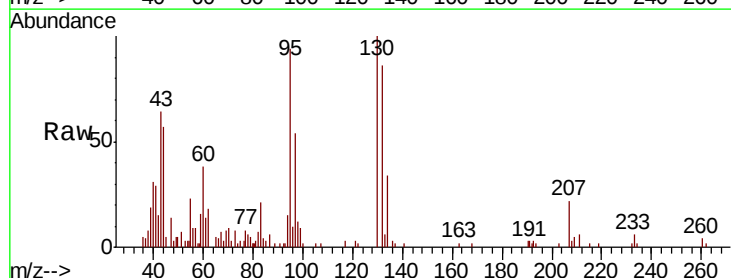
Acq: 18 Apr 2019 14:47

Tgt Ion: 130 Resp: 14211

Ion Ratio Lower Upper

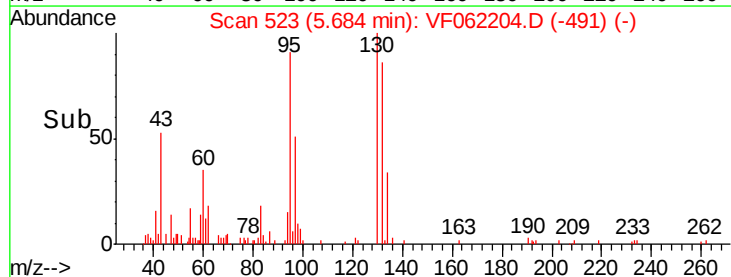
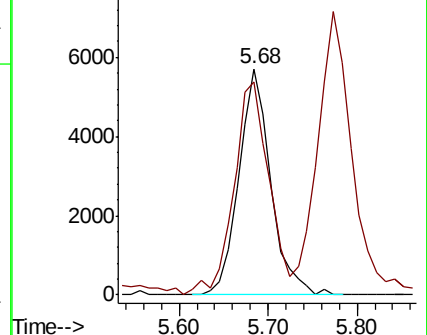
130 100

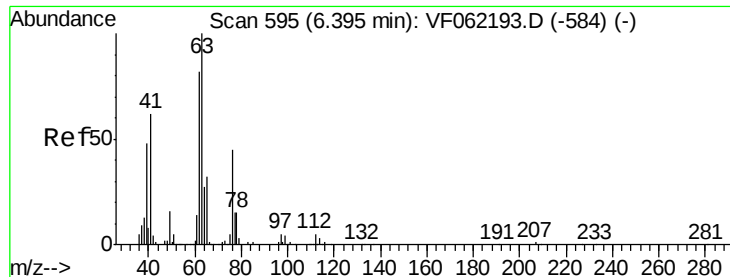
95 91.8 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 2.506 ug/l

RT: 6.40 min Scan# 596

Delta R.T. 0.01 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

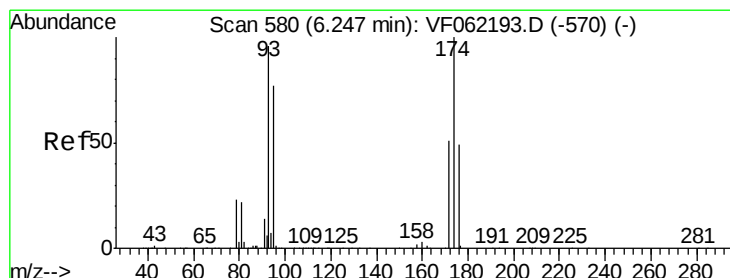
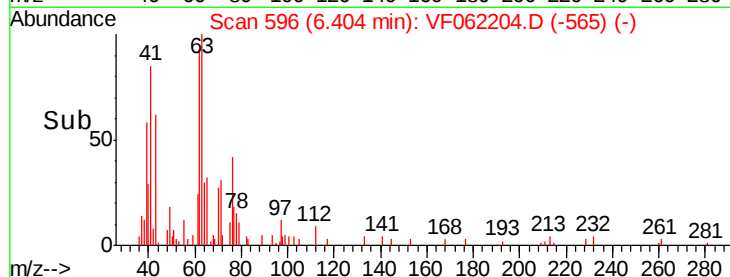
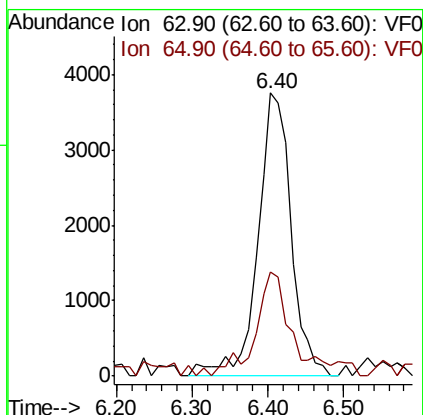
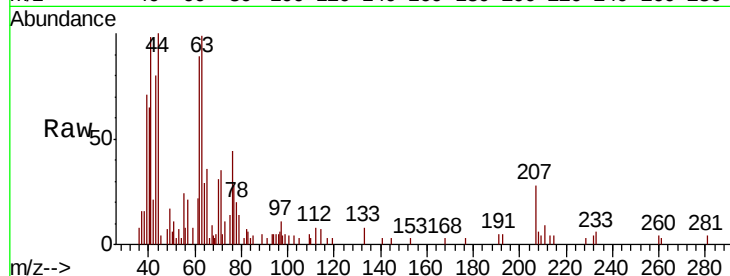
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 11516

Ion Ratio Lower Upper

63 100

65 32.7 25.9 38.9



#46

Dibromomethane

Concen: 2.521 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.01 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

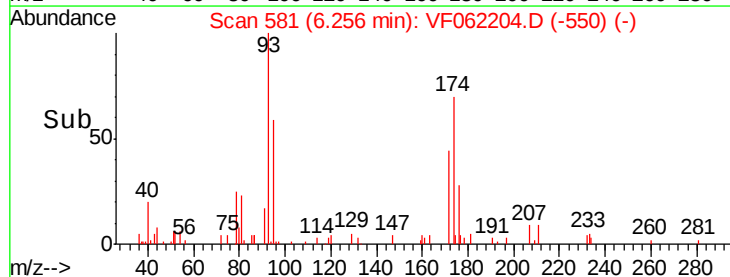
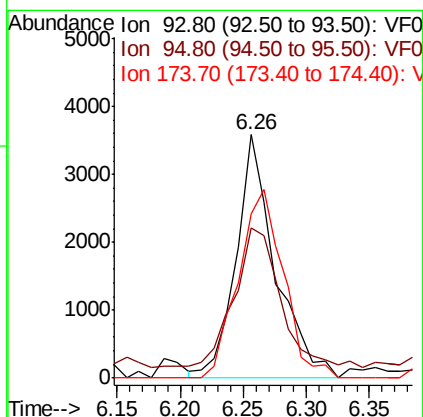
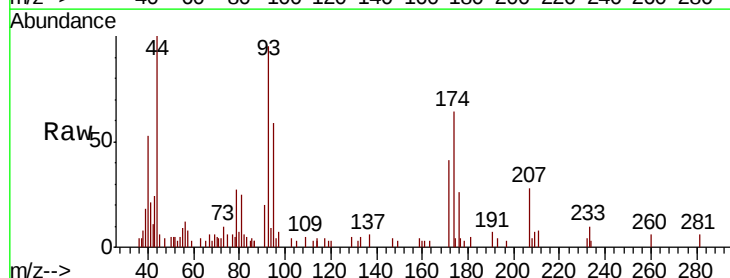
Tgt Ion: 93 Resp: 7707

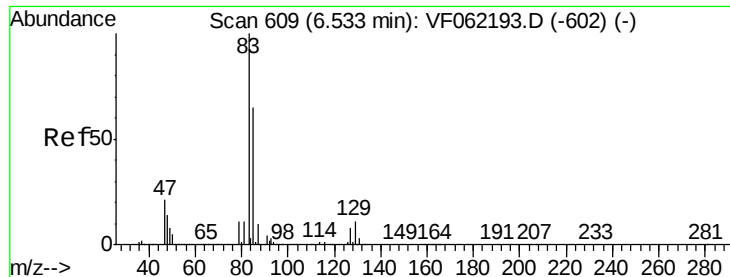
Ion Ratio Lower Upper

93 100

95 71.1 65.1 97.7

174 89.2 81.8 122.6





#47

Bromodichloromethane

Concen: 2.411 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.02 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

Instrument :

MSVOA_F

ClientSampleId :

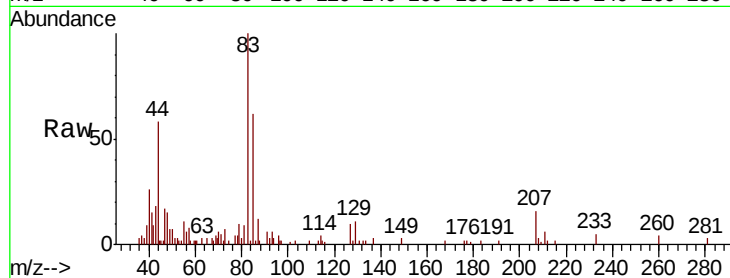
Tot Ion: 83 Resp: 16633

Ion Ratio Lower Upper

83 100

85 63.3 52.2 78.4

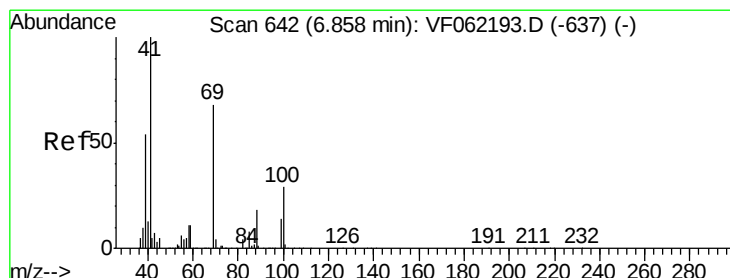
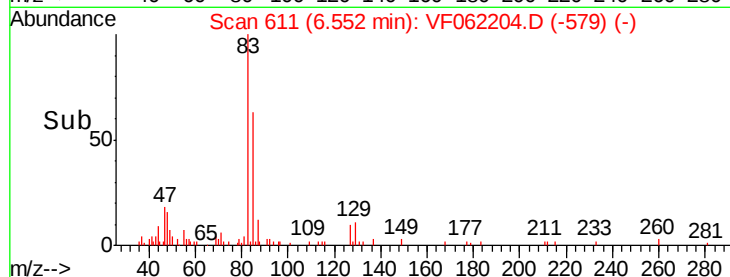
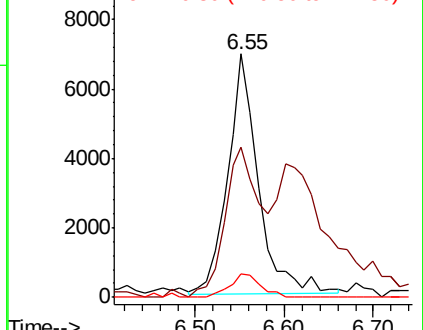
127 9.9 6.7 10.1



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: 3.151 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.02 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

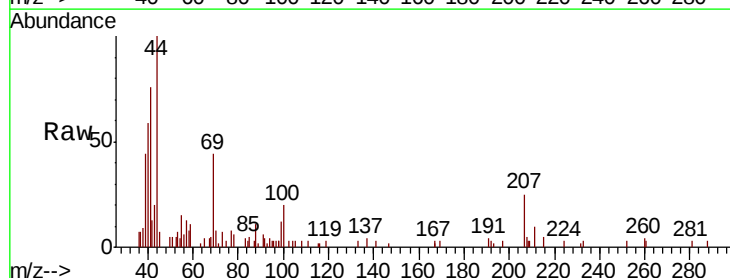
Tgt Ion: 41 Resp: 8173

Ion Ratio Lower Upper

41 100

69 65.7 54.9 82.3

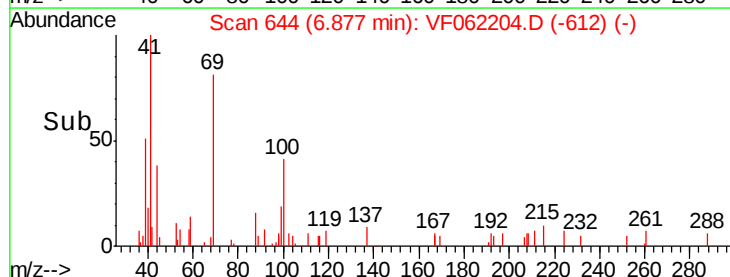
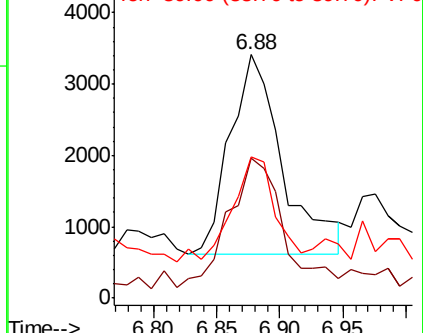
39 42.7 43.6 65.4#

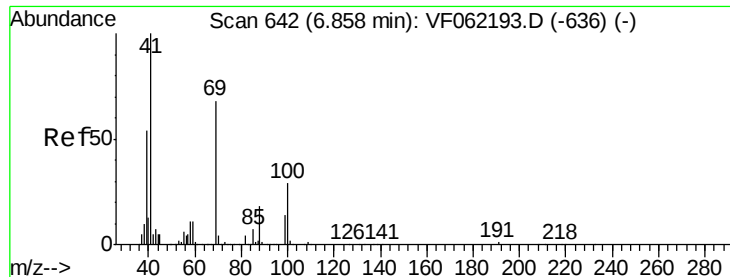


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

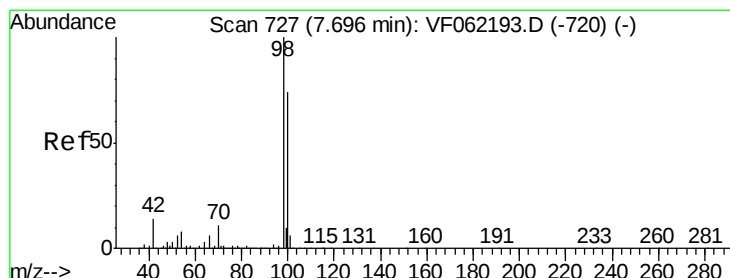
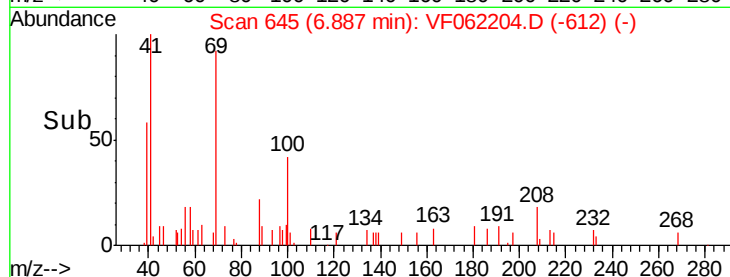
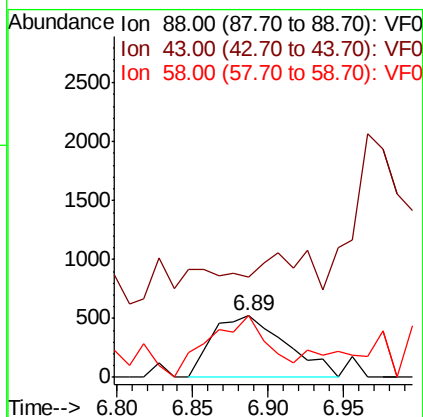
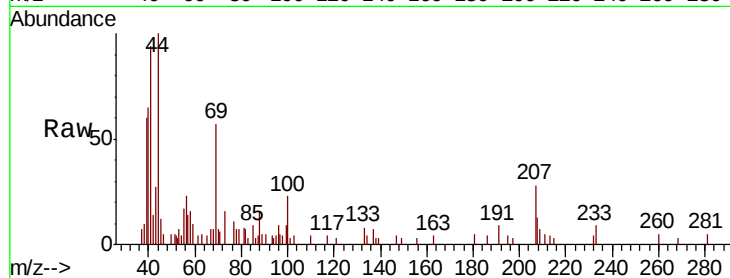




#49
1,4-Dioxane
Concen: 59.366 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.03 min
Lab File: VF062204.D
Acq: 18 Apr 2019 14:47

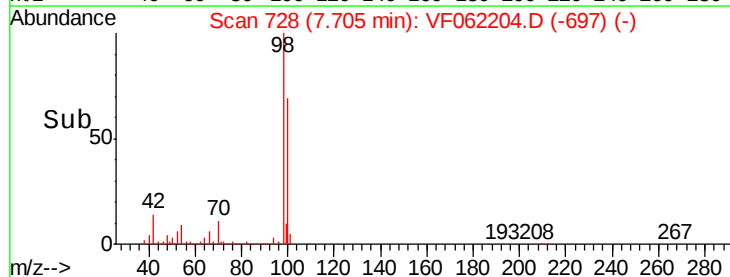
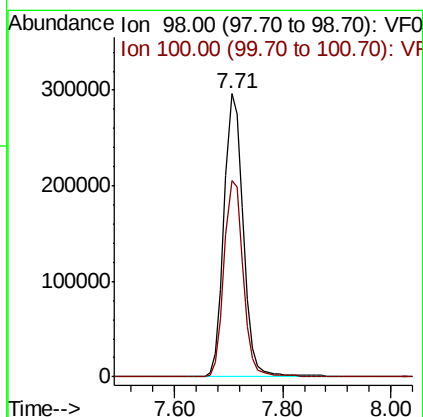
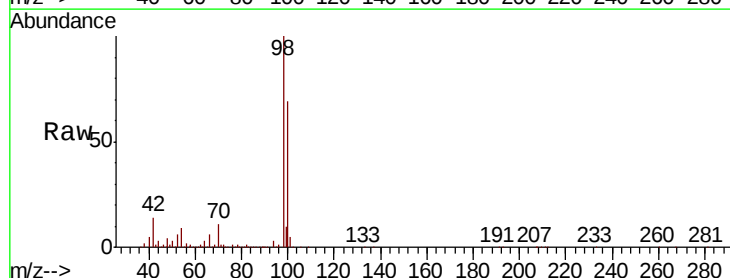
Instrument :
MSVOA_F
ClientSampleId :

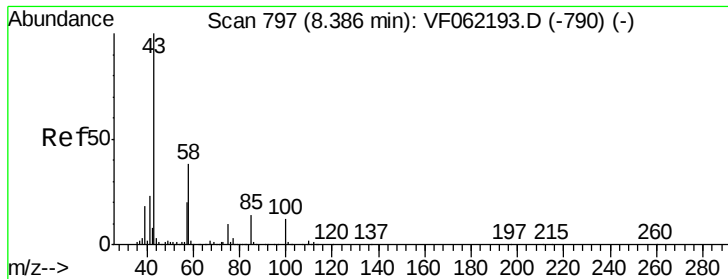
Tot Ion: 88 Resp: 1766
Ion Ratio Lower Upper
88 100
43 0.0 36.9 55.3#
58 81.7 56.8 85.2



#50
Toluene-d8
Concen: 49.823 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.01 min
Lab File: VF062204.D
Acq: 18 Apr 2019 14:47

Tgt Ion: 98 Resp: 731770
Ion Ratio Lower Upper
98 100
100 69.2 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 20.445 ug/l

RT: 8.40 min Scan# 799

Delta R.T. 0.02 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

Instrument :

MSVOA_F

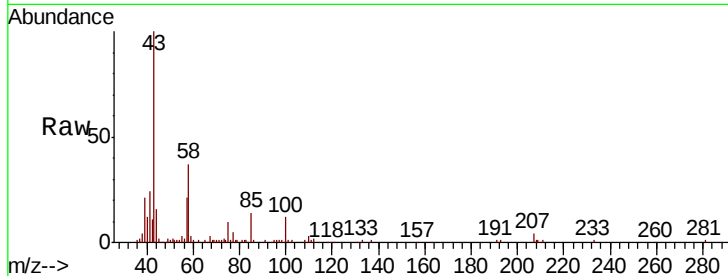
ClientSampled :

Tot Ion: 43 Resp: 60021

Ion Ratio Lower Upper

43 100

58 38.4 29.3 43.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

25000

20000

15000

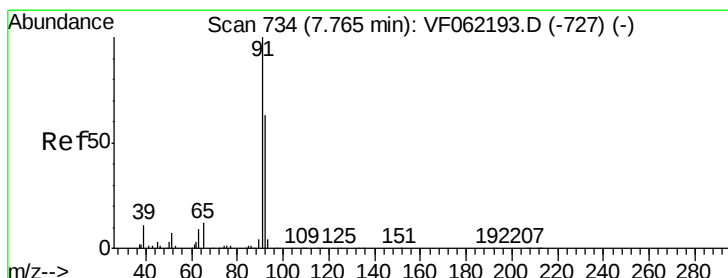
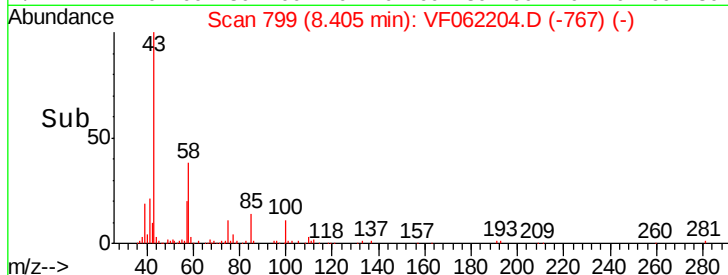
10000

5000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 2.464 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.02 min

Lab File: VF062204.D

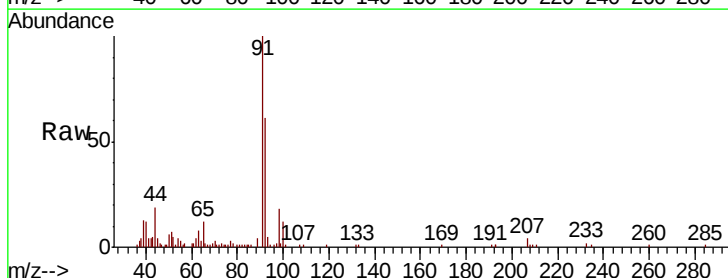
Acq: 18 Apr 2019 14:47

Tgt Ion: 92 Resp: 27094

Ion Ratio Lower Upper

92 100

91 168.0 130.1 195.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

20000

15000

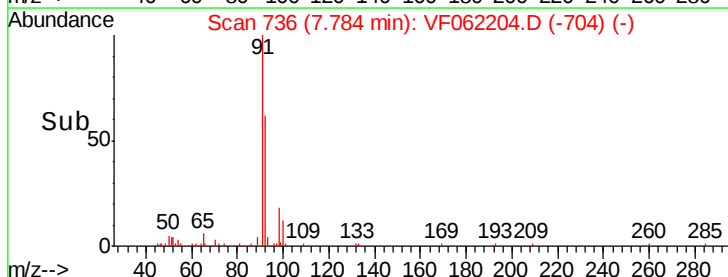
10000

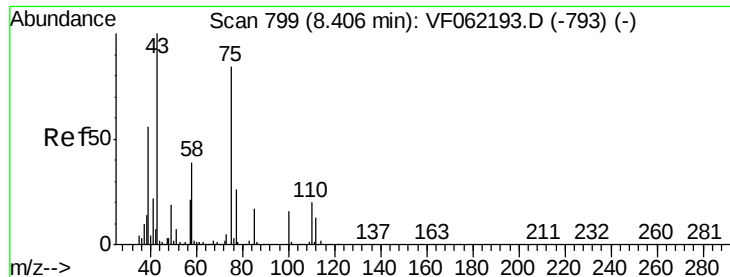
5000

0

7.70 7.75 7.80 7.85

Time-->

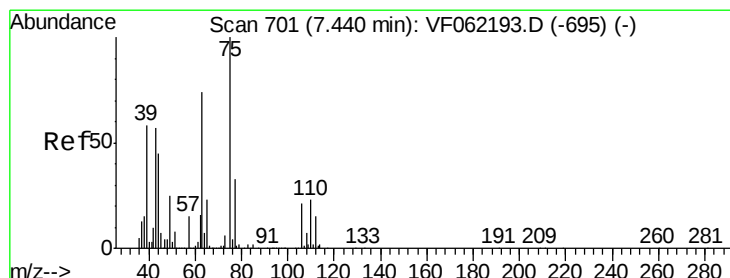
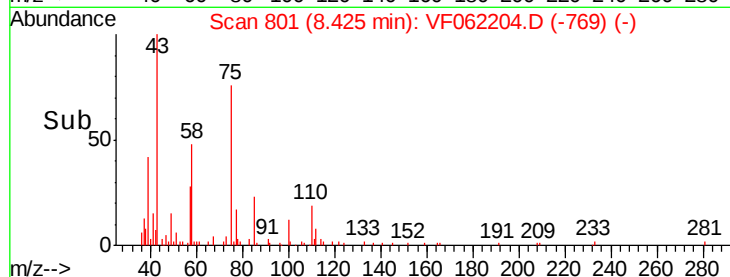
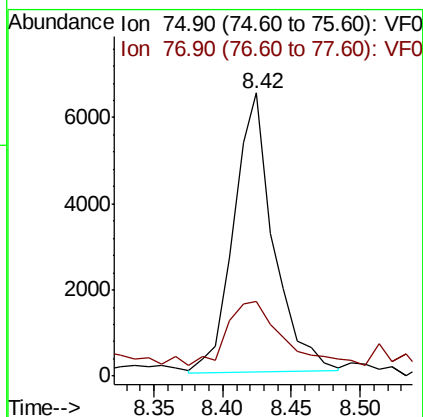
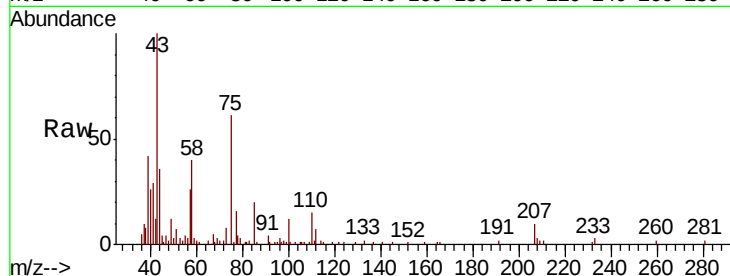




#53
 t-1,3-Dichloropropene
 Concen: 2.502 ug/l
 RT: 8.42 min Scan# 801
 Delta R.T. 0.02 min
 Lab File: VF062204.D
 Acq: 18 Apr 2019 14:47

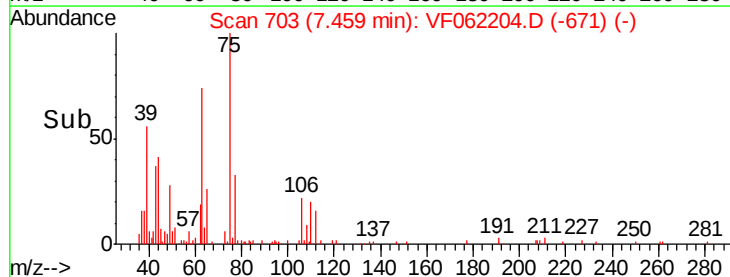
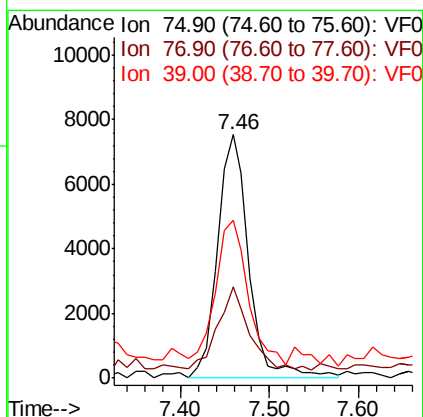
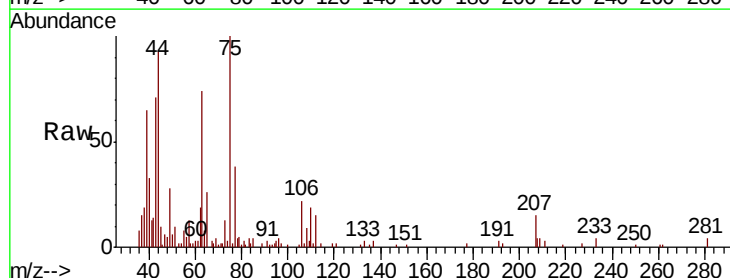
Instrument :
 MSVOA_F
 ClientSampleId :

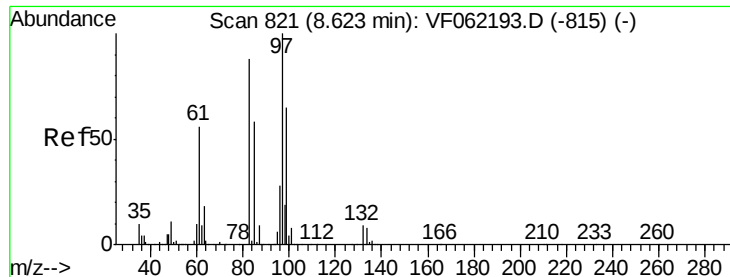
Tot Ion: 75 Resp: 12965
 Ion Ratio Lower Upper
 75 100
 77 22.9 24.6 36.8#



#54
 cis-1,3-Dichloropropene
 Concen: 2.650 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.02 min
 Lab File: VF062204.D
 Acq: 18 Apr 2019 14:47

Tgt Ion: 75 Resp: 18575
 Ion Ratio Lower Upper
 75 100
 77 33.7 26.4 39.6
 39 59.4 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 2.870 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.02 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 97 Resp: 8841

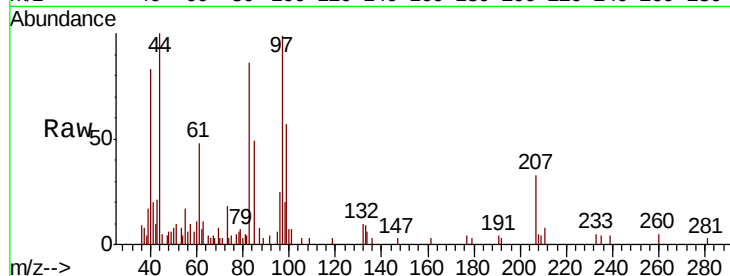
Ion Ratio Lower Upper

97 100

83 82.3 70.2 105.2

85 46.5 46.2 69.4

99 58.1 52.2 78.4



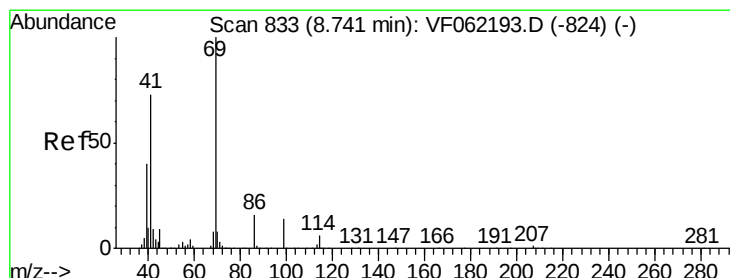
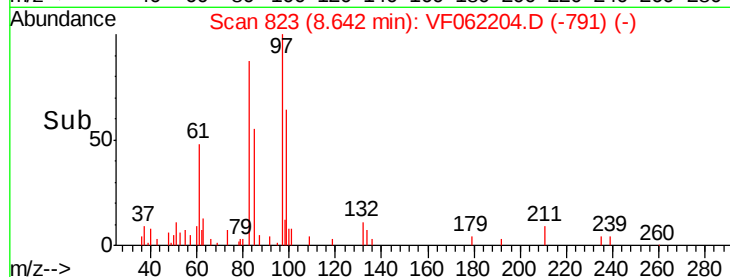
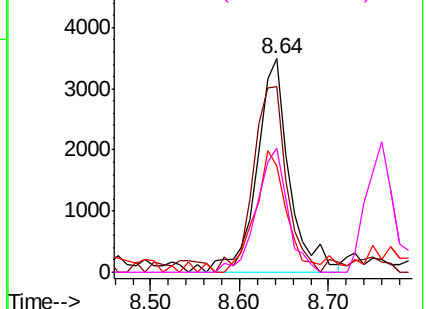
Abundance

Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#56

Ethyl methacrylate

Concen: 5.277 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.02 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

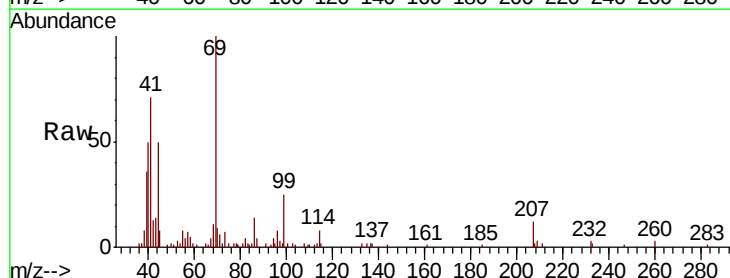
Tgt Ion: 69 Resp: 18480

Ion Ratio Lower Upper

69 100

41 71.6 61.5 92.3

39 41.2 33.3 49.9

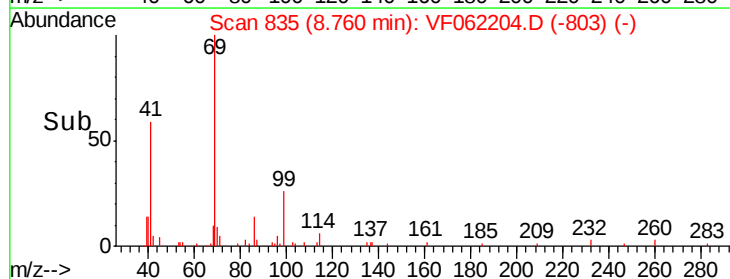
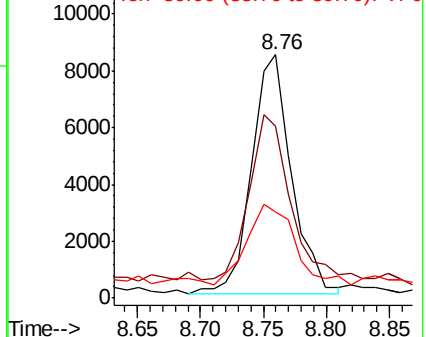


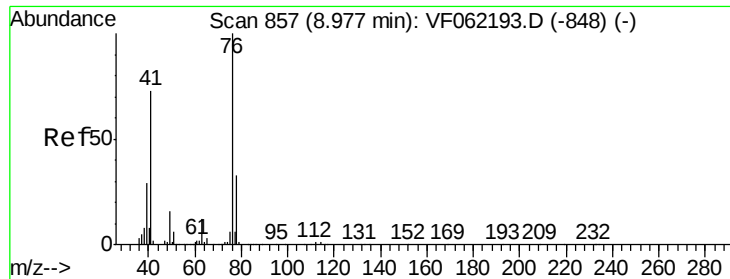
Abundance

Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 2.410 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.01 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

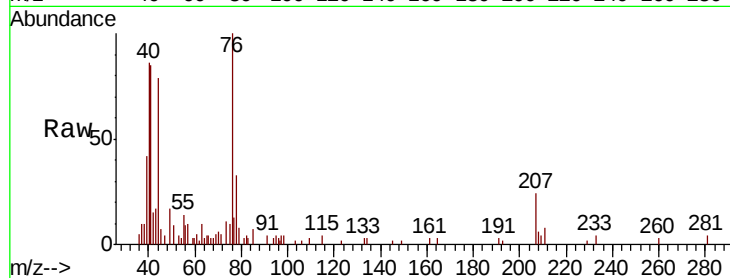
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 11989

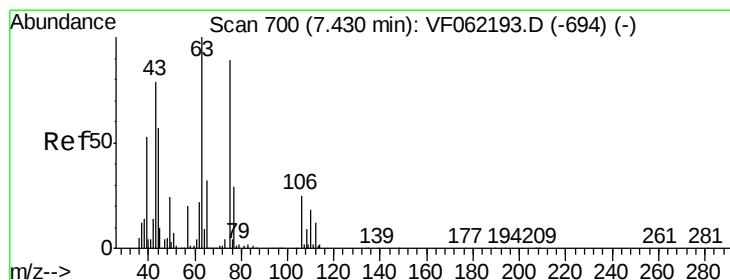
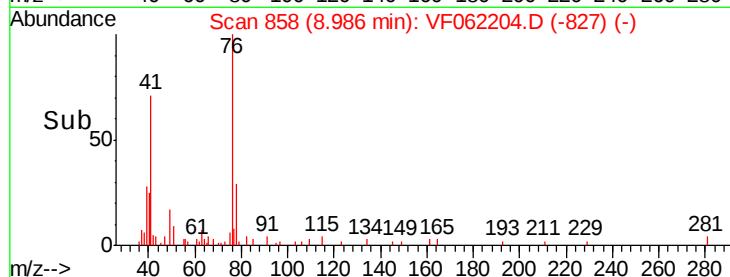
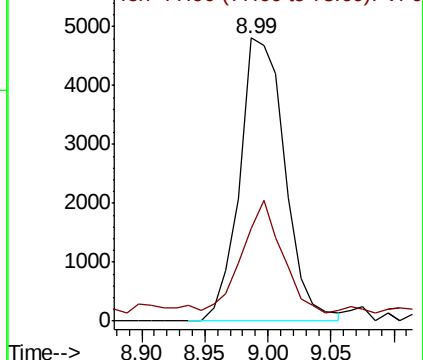
Ion Ratio Lower Upper

76 100

78 35.4 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: 17.853 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.02 min

Lab File: VF062204.D

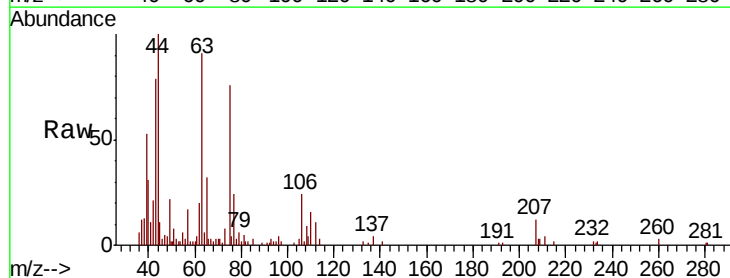
Acq: 18 Apr 2019 14:47

Tgt Ion: 63 Resp: 18153

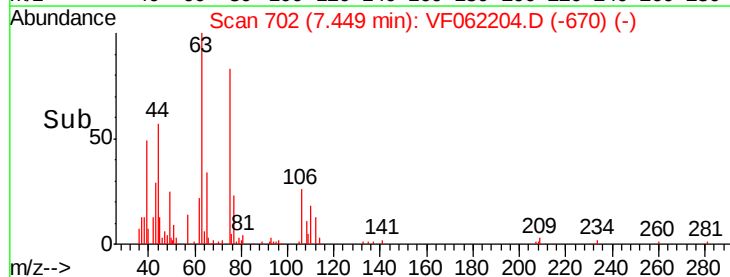
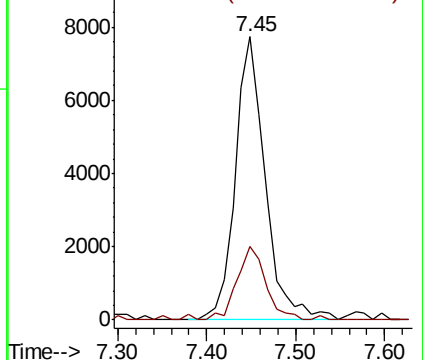
Ion Ratio Lower Upper

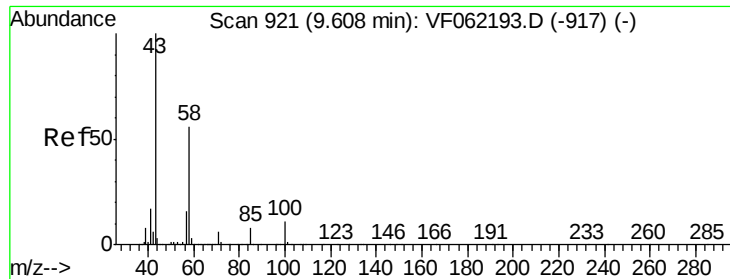
63 100

106 24.7 21.4 32.0



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

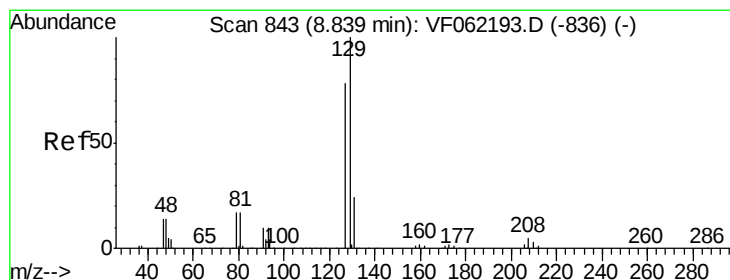
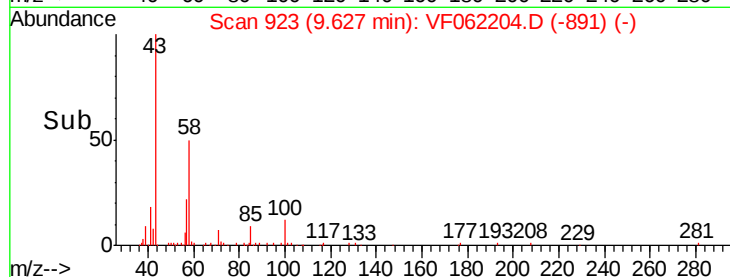
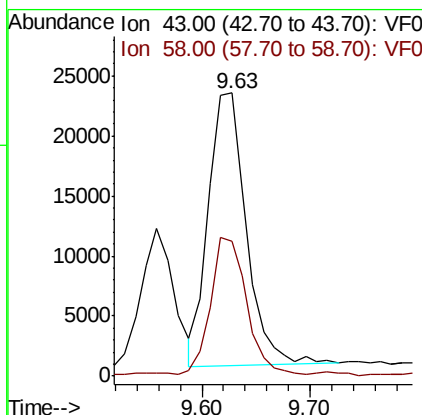
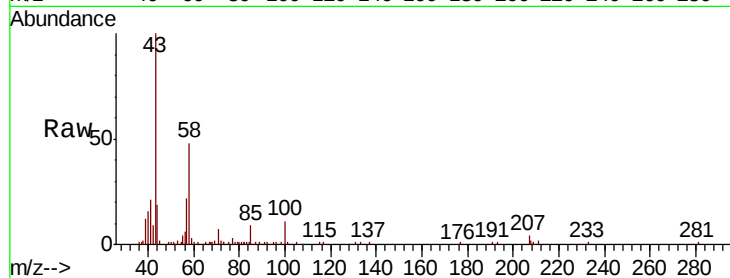




#59
2-Hexanone
Concen: 30.345 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.02 min
Lab File: VF062204.D
Acq: 18 Apr 2019 14:47

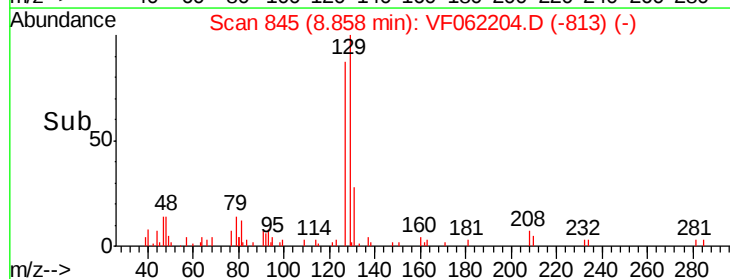
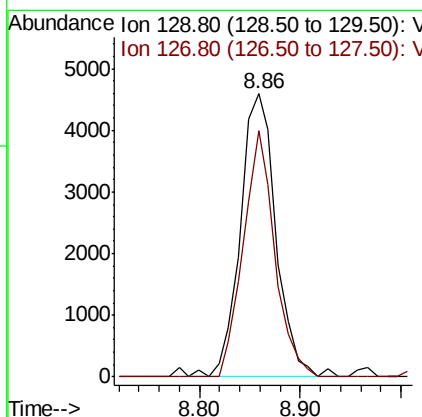
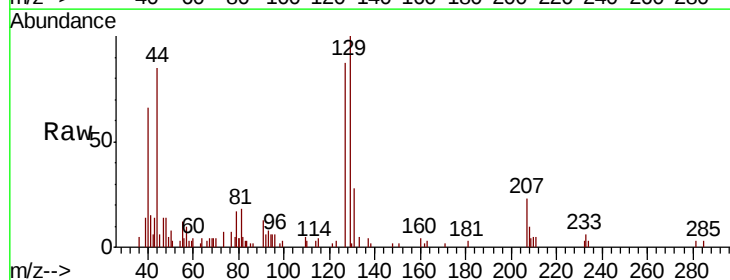
Instrument :
MSVOA_F
ClientSampleId :

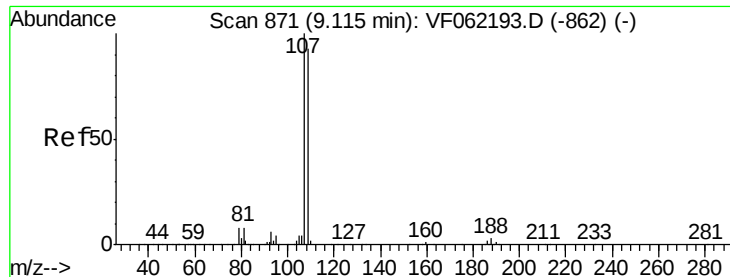
Tot Ion: 43 Resp: 55331
Ion Ratio Lower Upper
43 100
58 50.6 24.6 74.0



#60
Dibromochloromethane
Concen: 2.466 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.02 min
Lab File: VF062204.D
Acq: 18 Apr 2019 14:47

Tgt Ion:129 Resp: 11296
Ion Ratio Lower Upper
129 100
127 76.7 39.0 117.0





#61

1,2-Dibromoethane

Concen: 2.460 ug/l

RT: 9.12 min Scan# 872

Delta R.T. 0.01 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

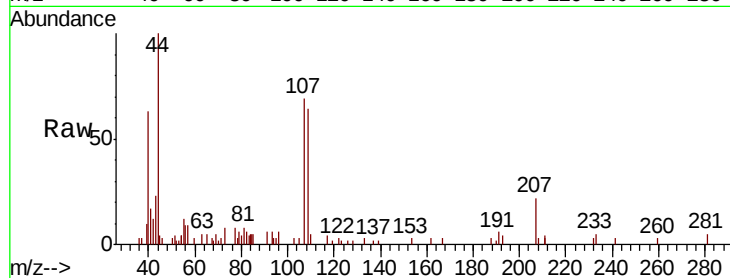
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 107 Resp: 8537

Ion Ratio Lower Upper

107 100

109 104.1 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.12

4000

3000

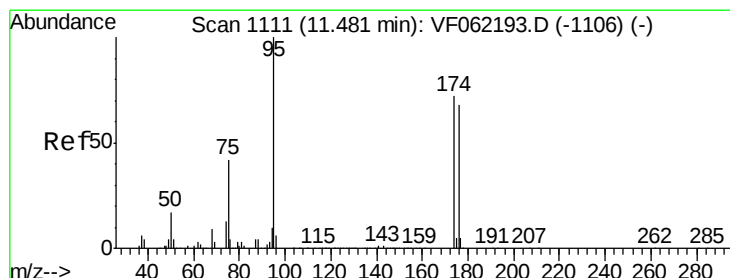
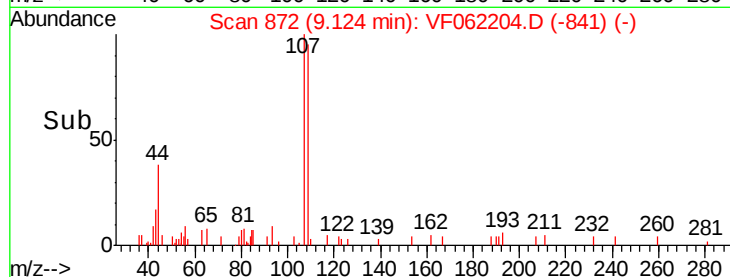
2000

1000

0

9.00 9.10 9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 56.706 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

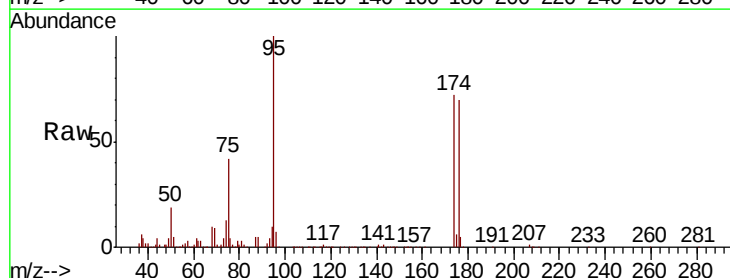
Tgt Ion: 95 Resp: 320398

Ion Ratio Lower Upper

95 100

174 83.3 0.0 159.4

176 81.5 0.0 155.4



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

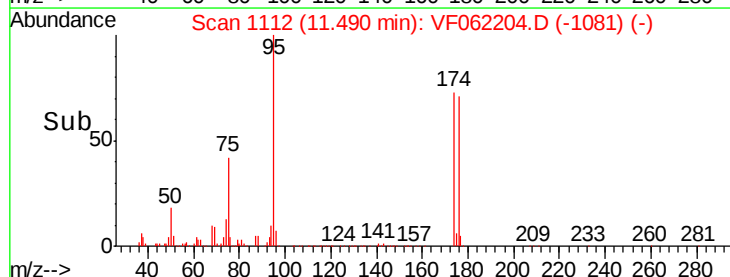
100000

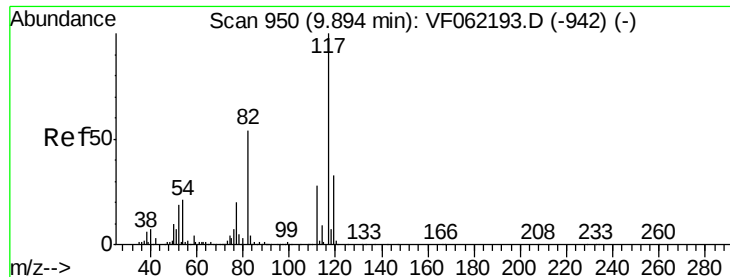
50000

0

11.40 11.50 11.60

Time-->

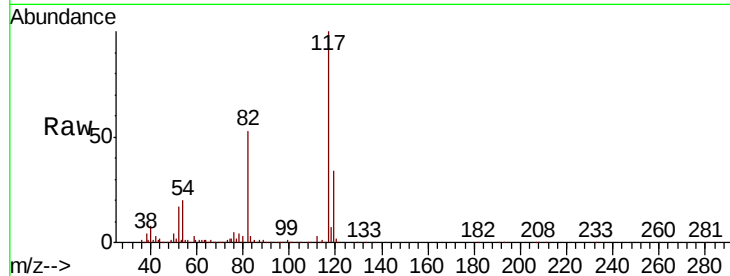




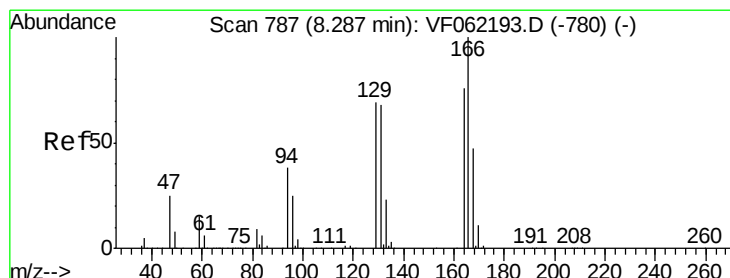
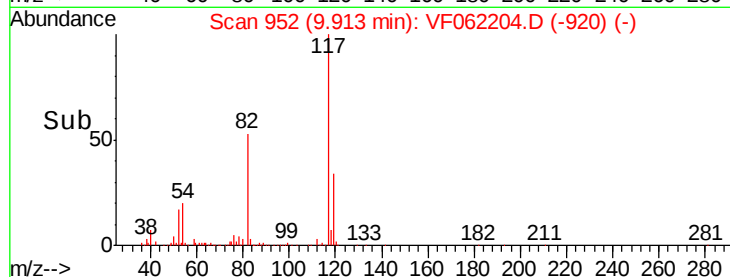
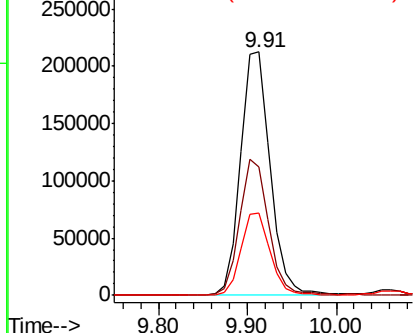
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.02 min
Lab File: VF062204.D
Acq: 18 Apr 2019 14:47

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 491289
Ion Ratio Lower Upper
117 100
82 52.9 43.2 64.8
119 33.7 26.2 39.4

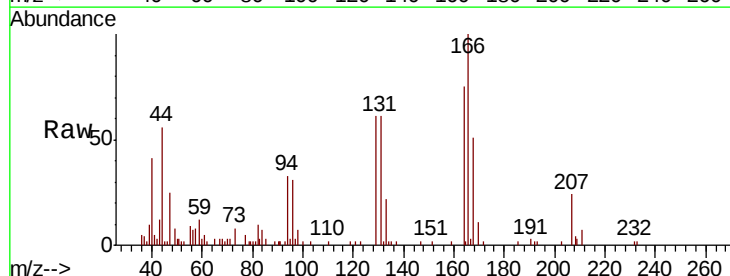


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

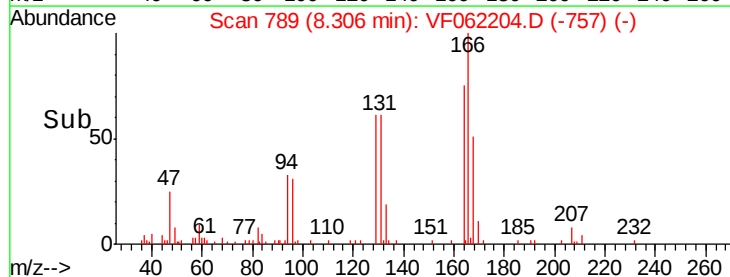
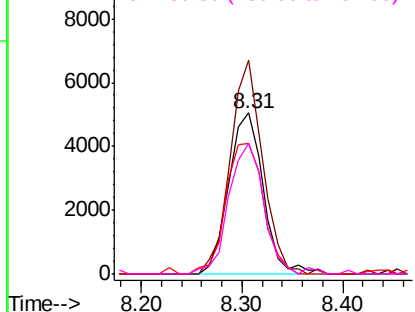


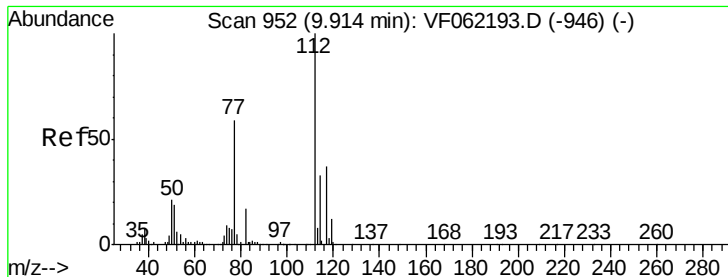
#64
Tetrachloroethene
Concen: 2.714 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.02 min
Lab File: VF062204.D
Acq: 18 Apr 2019 14:47

Tgt Ion:164 Resp: 12036
Ion Ratio Lower Upper
164 100
166 132.5 104.7 157.1
129 80.7 72.6 109.0
131 81.0 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: 2.798 ug/l

RT: 9.93 min Scan# 954

Delta R.T. 0.02 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

Instrument :

MSVOA_F

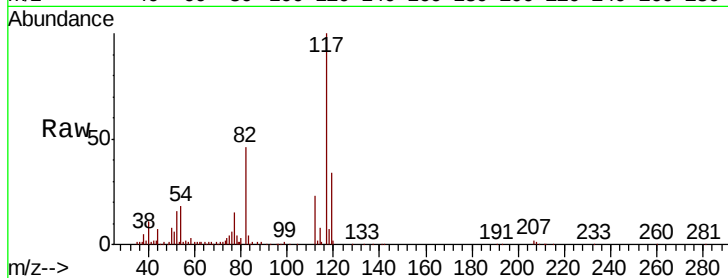
ClientSampleId :

Tot Ion:112 Resp: 29307

Ion Ratio Lower Upper

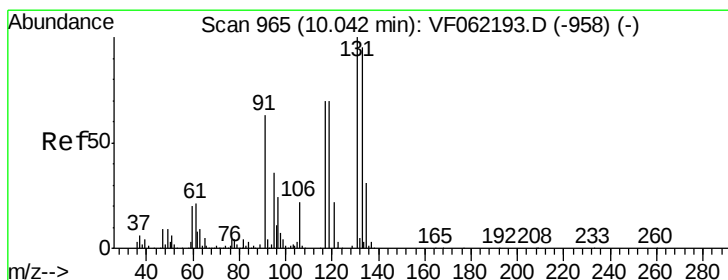
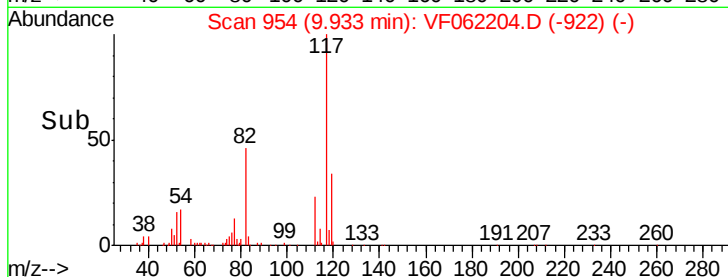
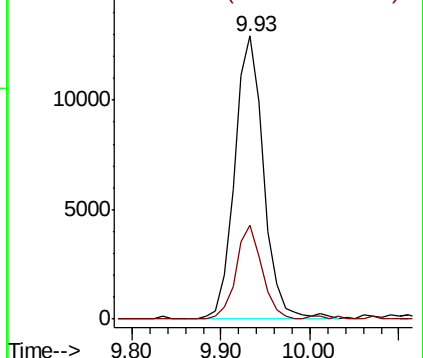
112 100

114 33.4 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 2.573 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.02 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

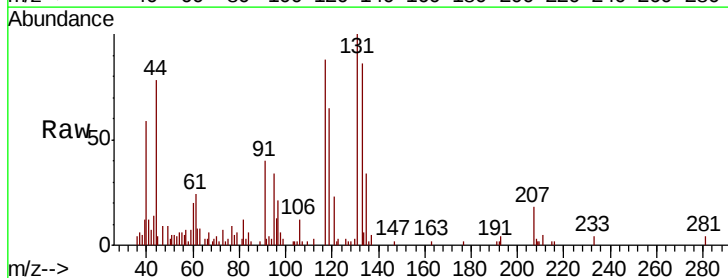
Tgt Ion:131 Resp: 12620

Ion Ratio Lower Upper

131 100

133 97.2 47.7 143.1

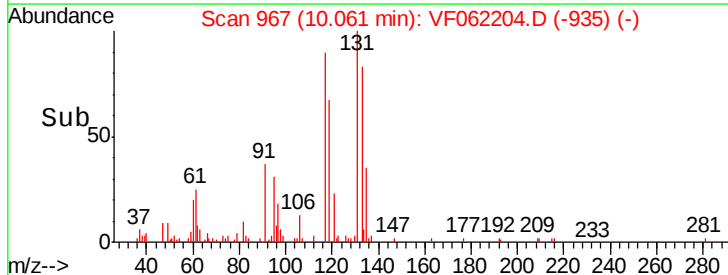
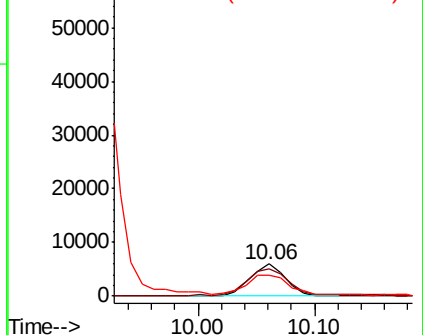
119 79.4 34.6 103.9

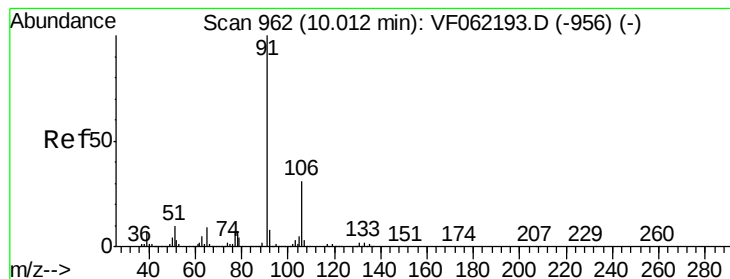


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 2.782 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.02 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

Instrument :

MSVOA_F

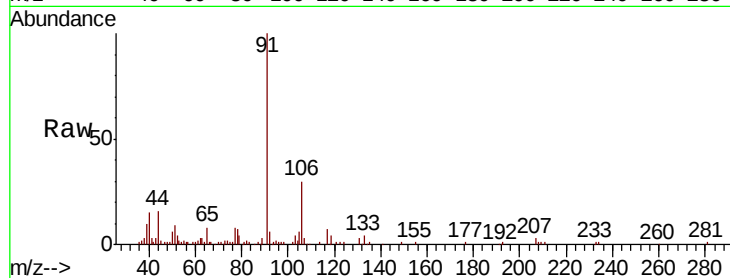
ClientSampleId :

Tot Ion: 91 Resp: 52986

Ion Ratio Lower Upper

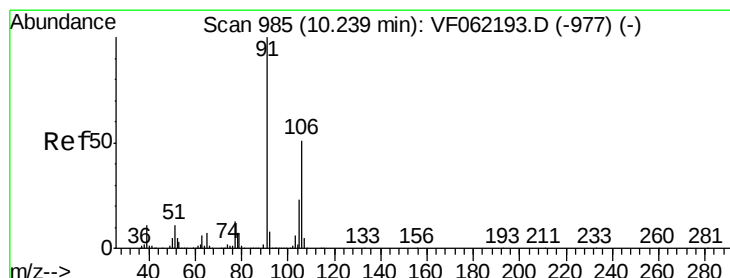
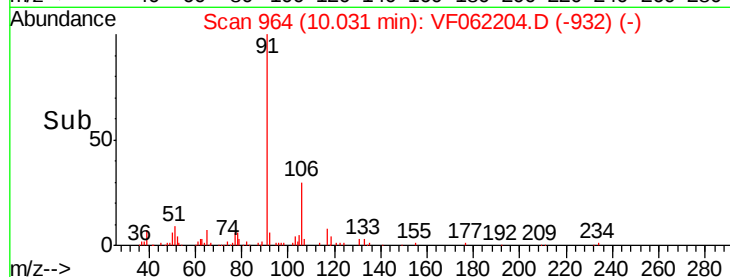
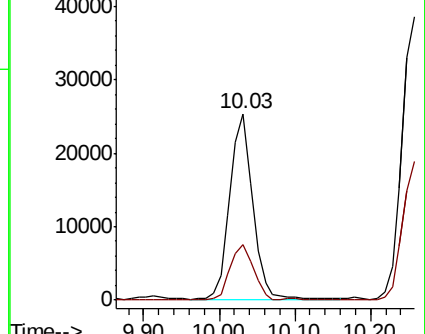
91 100

106 30.0 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 5.640 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.02 min

Lab File: VF062204.D

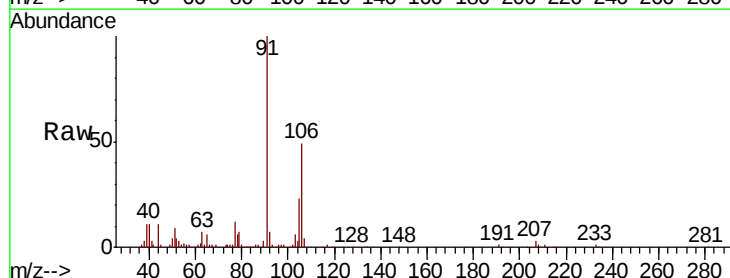
Acq: 18 Apr 2019 14:47

Tgt Ion: 106 Resp: 39553

Ion Ratio Lower Upper

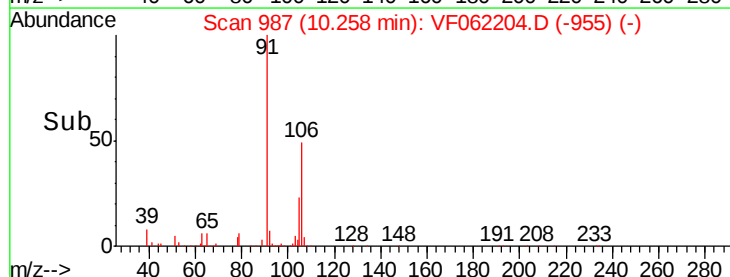
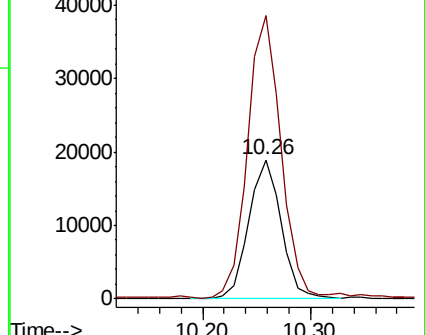
106 100

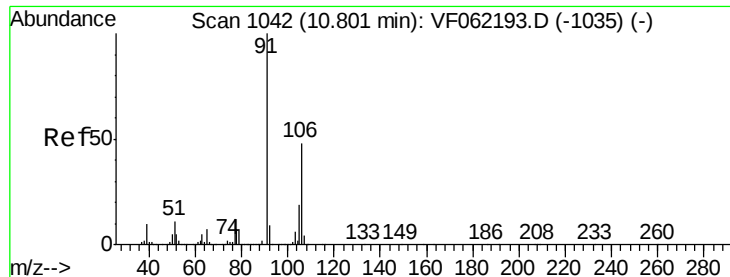
91 209.3 159.1 238.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

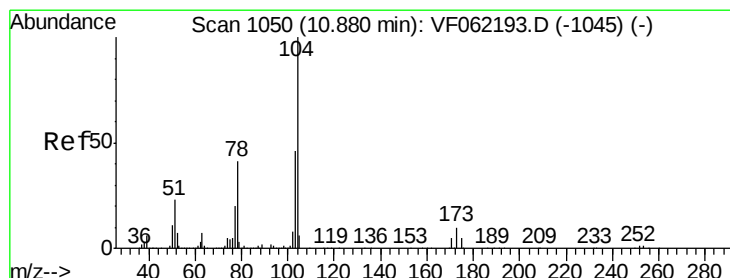
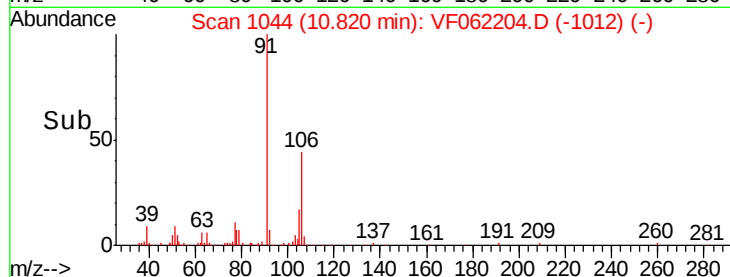
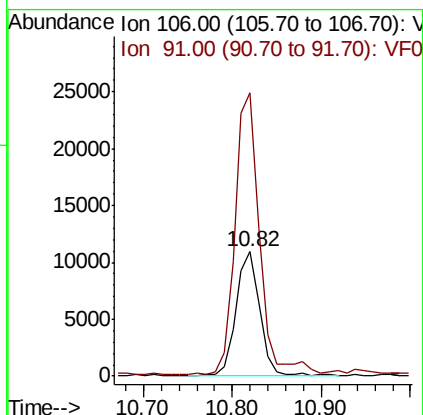
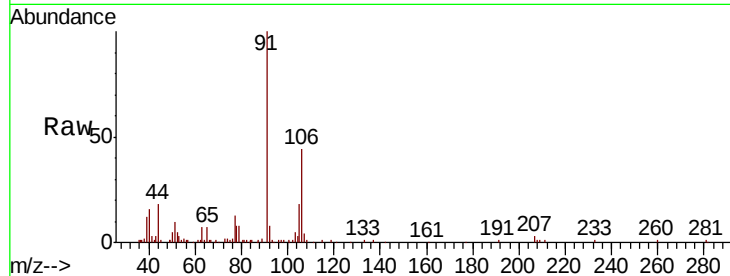




#69
o-Xylene
Concen: 2.636 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VF062204.D
Acq: 18 Apr 2019 14:47

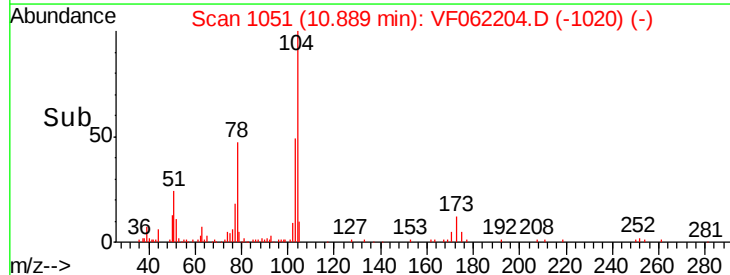
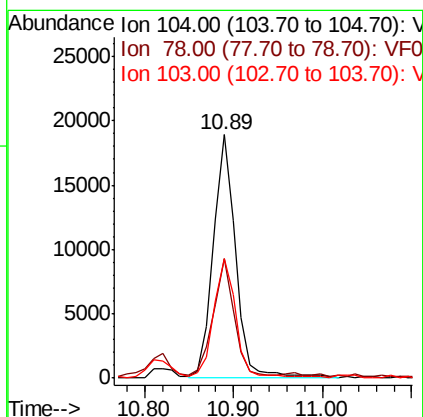
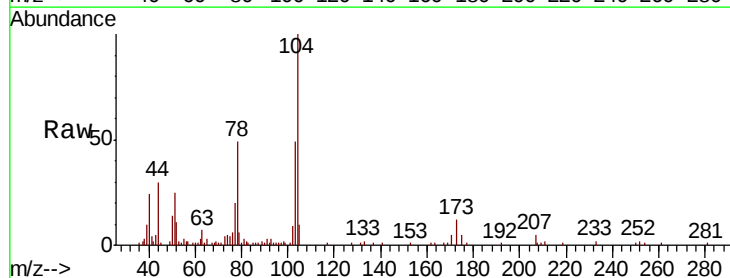
Instrument :
MSVOA_F
ClientSampled :

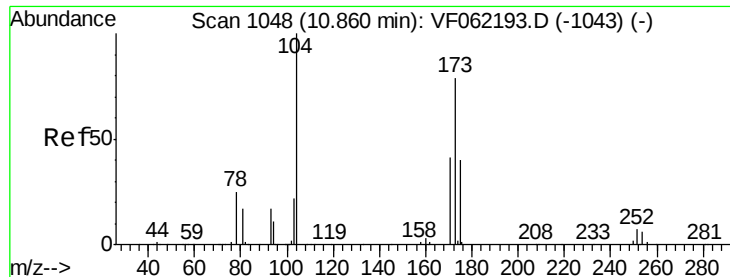
Tot Ion:106 Resp: 20520
Ion Ratio Lower Upper
106 100
91 232.7 107.5 322.4



#70
Styrene
Concen: 3.040 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VF062204.D
Acq: 18 Apr 2019 14:47

Tgt Ion:104 Resp: 33401
Ion Ratio Lower Upper
104 100
78 43.1 34.5 51.7
103 48.5 37.2 55.8





#71

Bromoform

Concen: 2.393 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.02 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

Instrument :

MSVOA_F

ClientSampleId :

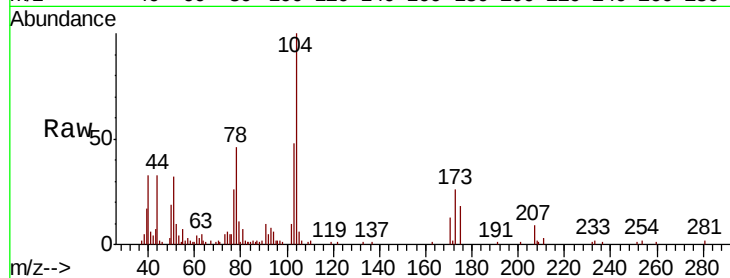
Tot Ion:173 Resp: 6197

Ion Ratio Lower Upper

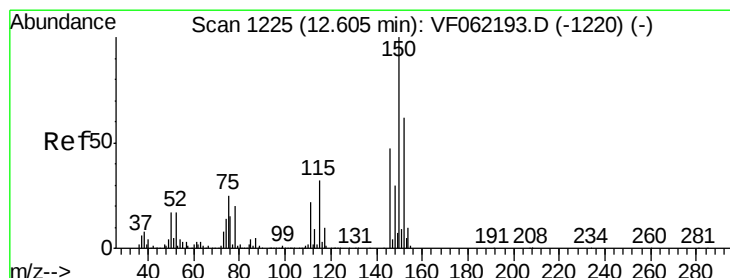
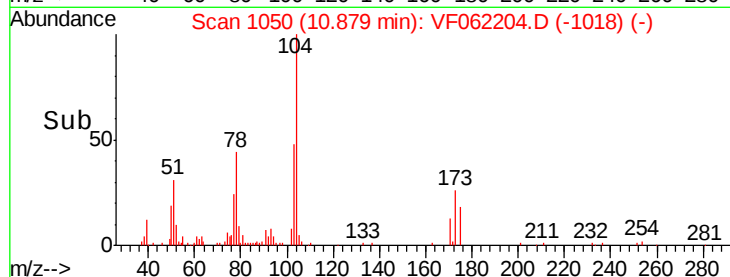
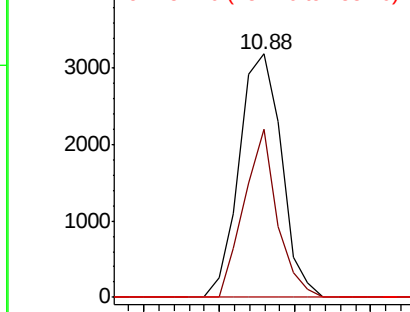
173 100

175 54.3 24.5 73.5

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

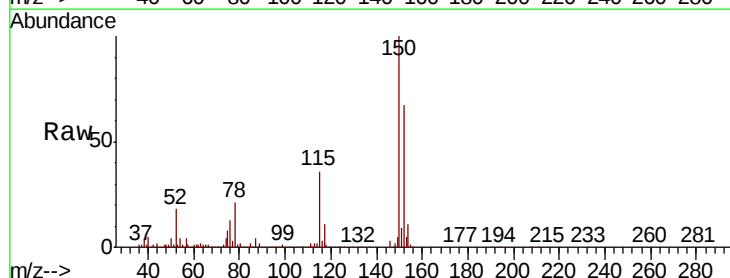
Tgt Ion:152 Resp: 306929

Ion Ratio Lower Upper

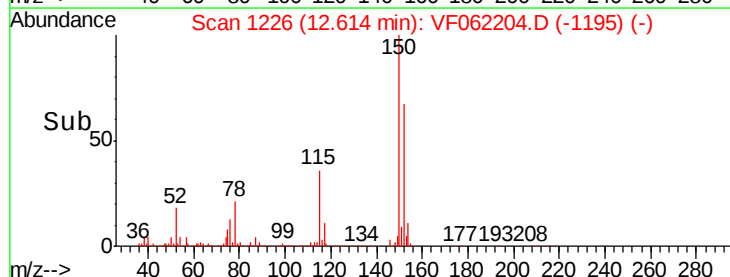
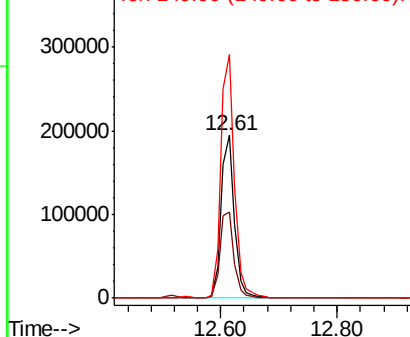
152 100

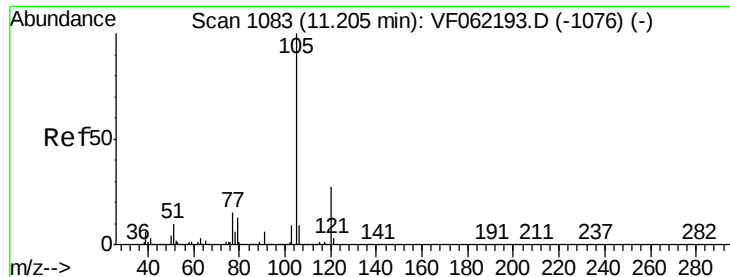
115 56.1 27.8 83.3

150 152.7 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: 2.326 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

Instrument :

MSVOA_F

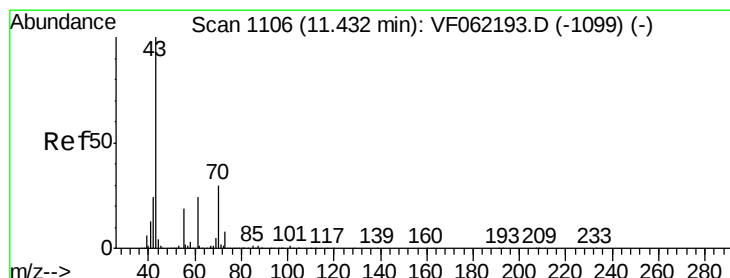
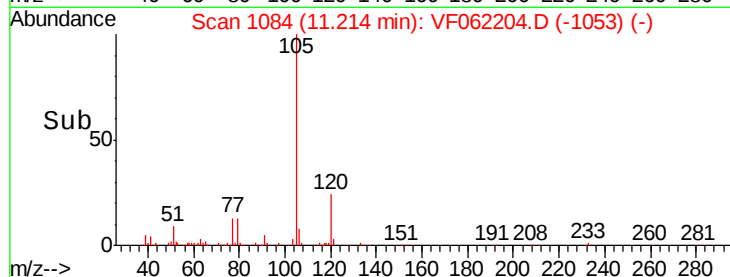
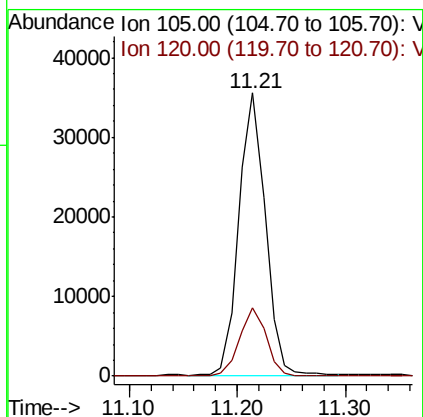
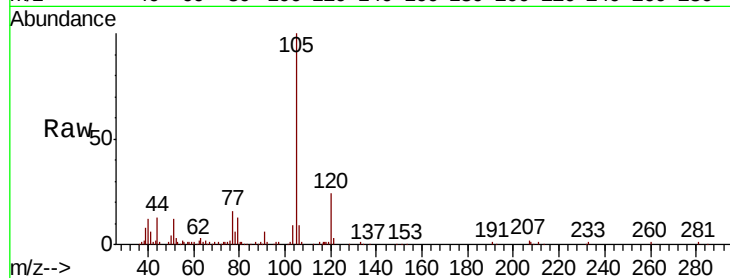
ClientSampleId :

Tot Ion:105 Resp: 61328

Ion Ratio Lower Upper

105 100

120 24.3 13.0 38.9



#74

N-ethyl acetate

Concen: 3.448 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.02 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

Tgt Ion: 43 Resp: 34366

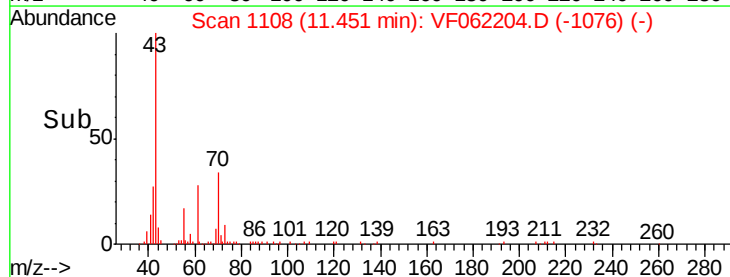
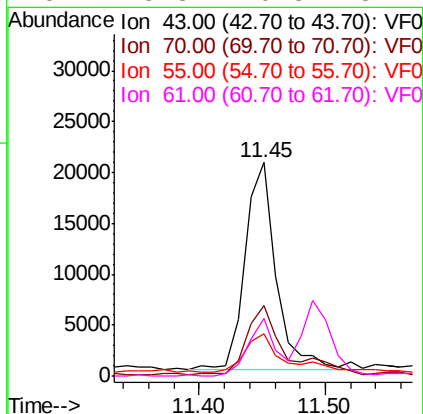
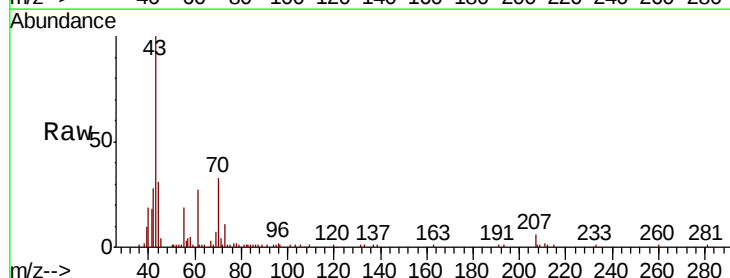
Ion Ratio Lower Upper

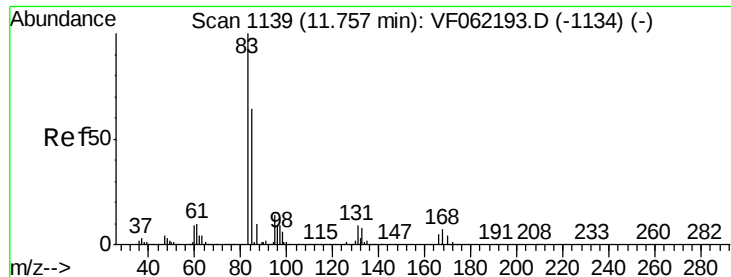
43 100

70 39.8 27.0 40.4

55 26.2 15.7 23.5#

61 25.3 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.662 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

Instrument :

MSVOA_F

ClientSampleId :

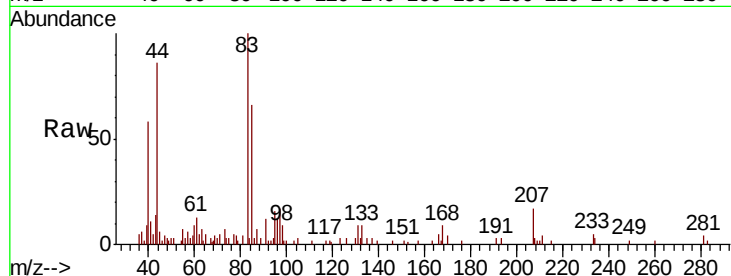
Tot Ion: 83 Resp: 12069

Ion	Ratio	Lower	Upper
83	100		
131	11.3	4.5	13.5
85	63.7	34.7	104.1

83 100

131 11.3 4.5 13.5

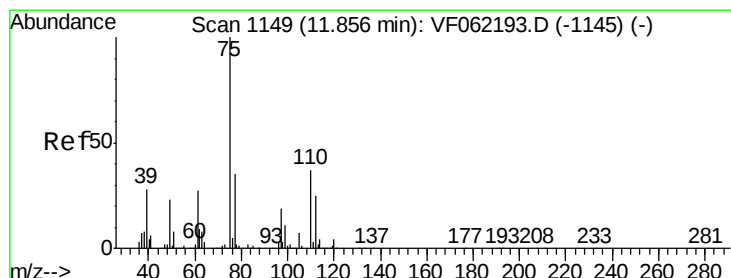
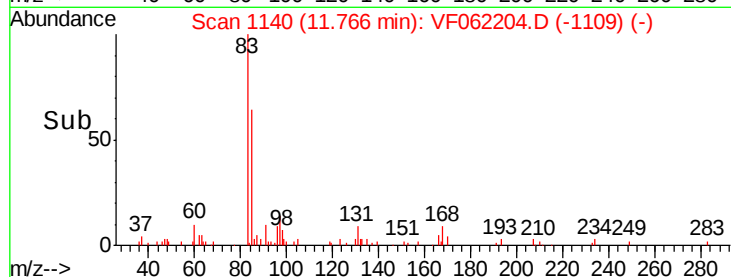
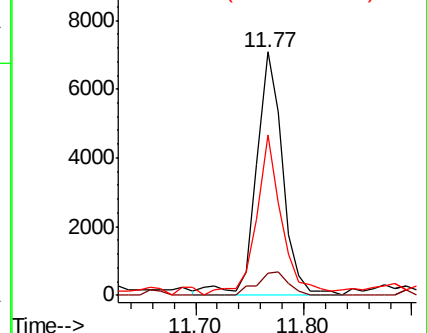
85 63.7 34.7 104.1



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: 2.630 ug/l

RT: 11.86 min Scan# 1150

Delta R.T. 0.01 min

Lab File: VF062204.D

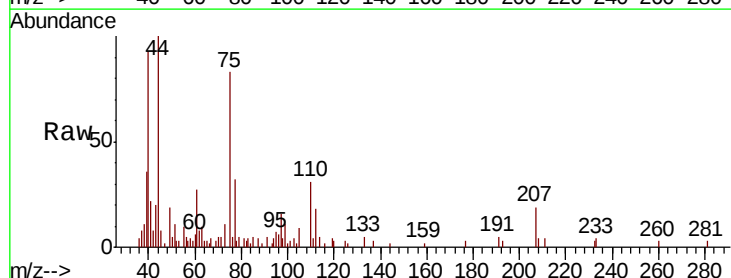
Acq: 18 Apr 2019 14:47

Tgt Ion: 75 Resp: 8203

Ion	Ratio	Lower	Upper
75	100		
77	0.0	7.4	22.2

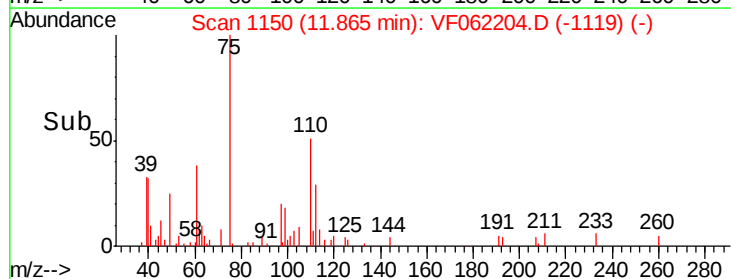
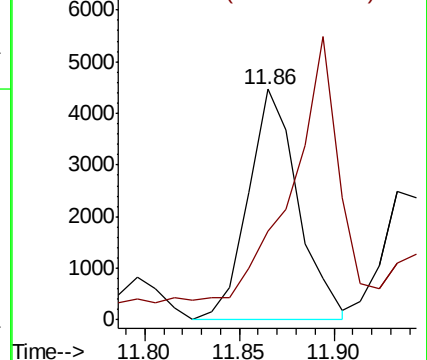
75 100

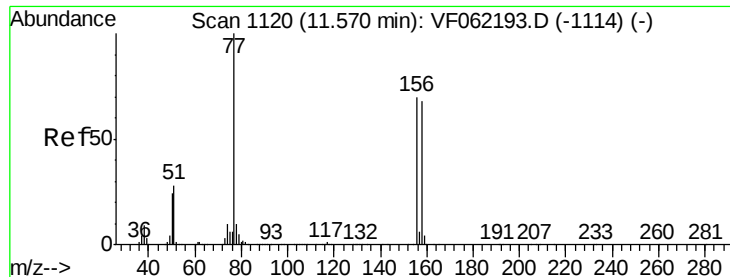
77 0.0 7.4 22.2



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 2.354 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

Instrument :

MSVOA_F

ClientSampleId :

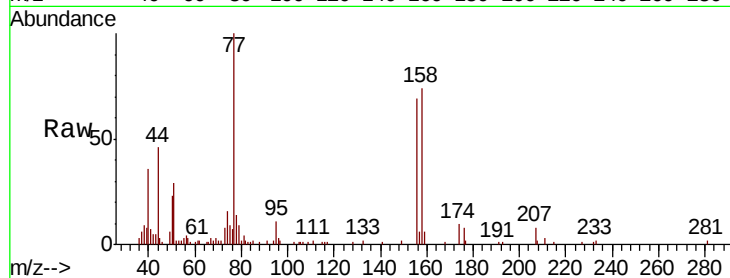
Tot Ion:156 Resp: 13294

Ion Ratio Lower Upper

156 100

77 162.4 80.9 242.7

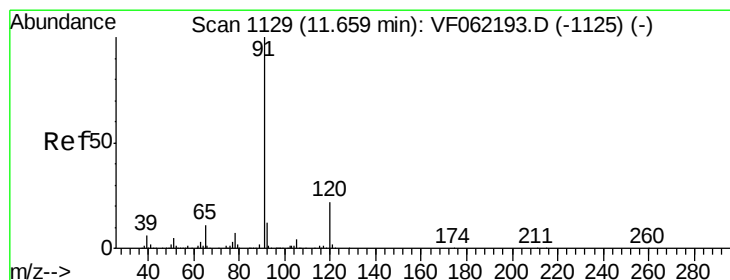
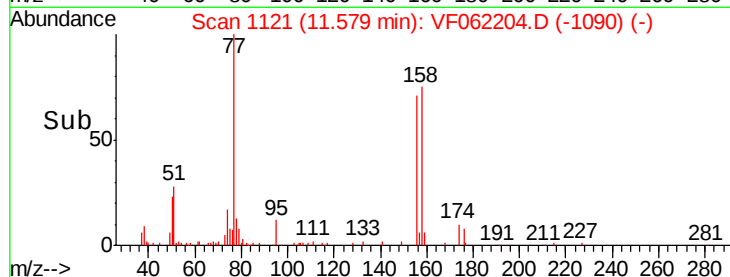
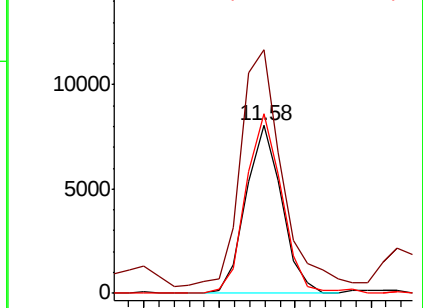
158 107.6 49.8 149.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.627 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VF062204.D

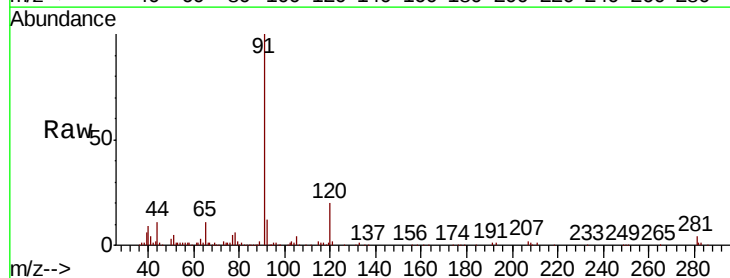
Acq: 18 Apr 2019 14:47

Tgt Ion: 91 Resp: 73067

Ion Ratio Lower Upper

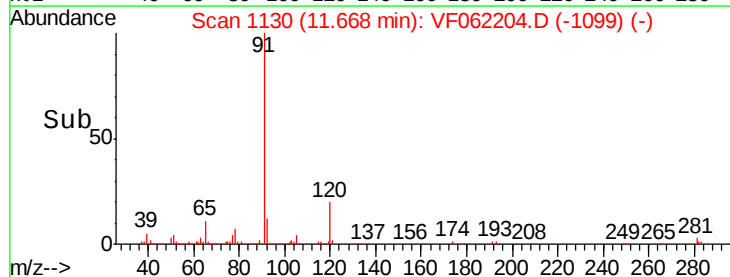
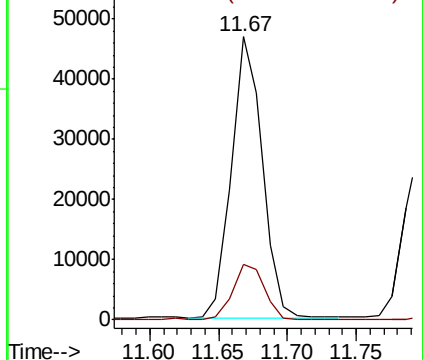
91 100

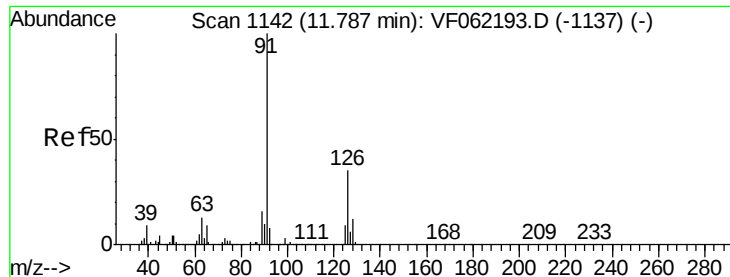
120 20.9 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.531 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

Instrument :

MSVOA_F

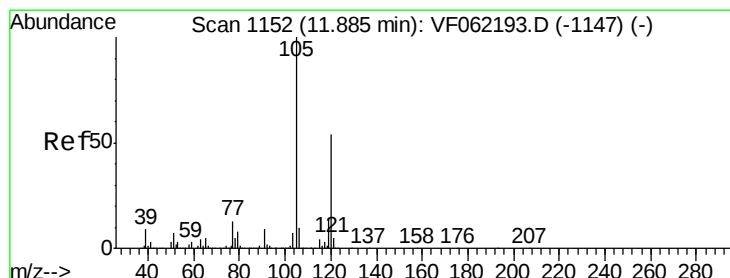
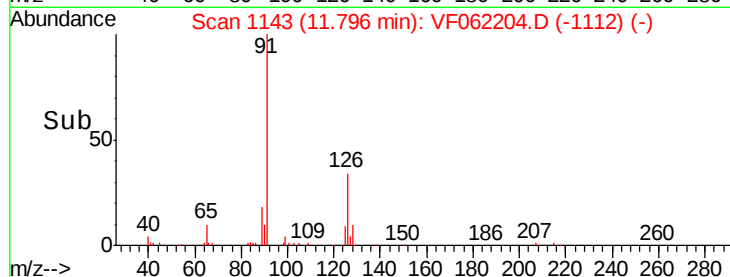
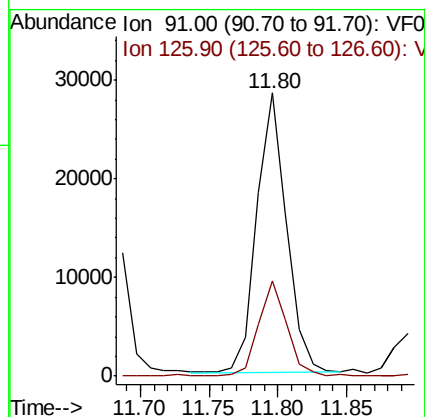
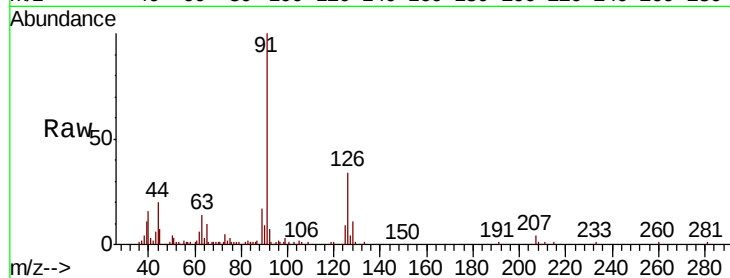
ClientSampleId :

Tot Ion: 91 Resp: 42709

Ion Ratio Lower Upper

91 100

126 32.8 16.9 50.6



#80

1,3,5-Trimethylbenzene

Concen: 2.430 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062204.D

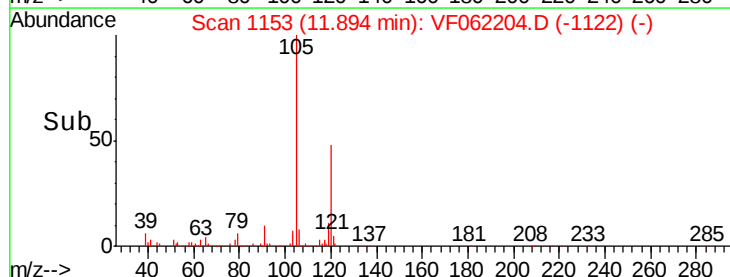
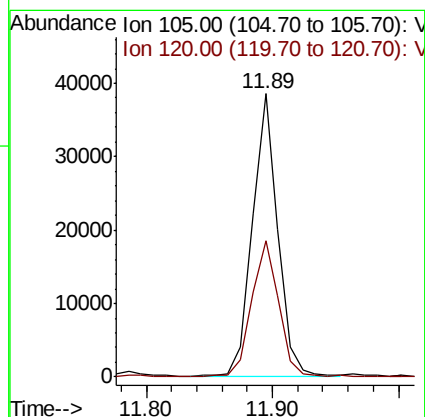
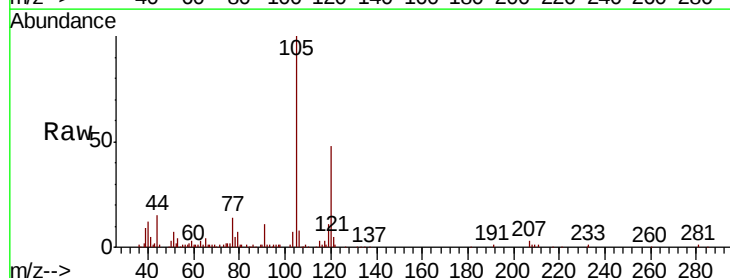
Acq: 18 Apr 2019 14:47

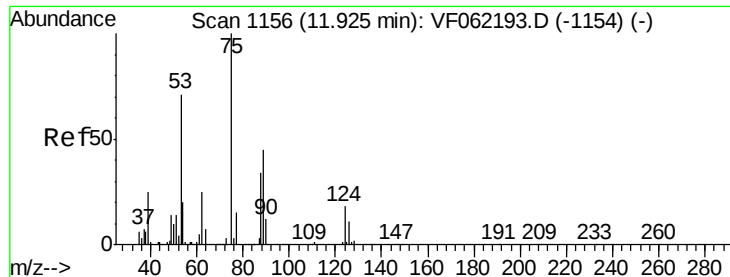
Tgt Ion:105 Resp: 53353

Ion Ratio Lower Upper

105 100

120 52.4 26.2 78.5





#81

trans-1,4-Dichloro-2-butene

Concen: 3.452 ug/l

RT: 11.93 min Scan# 1157

Delta R.T. 0.01 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

Instrument :

MSVOA_F

ClientSampled :

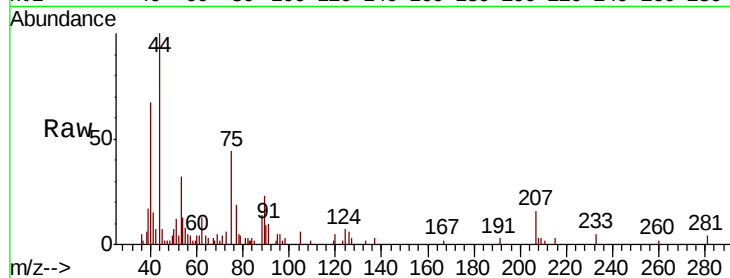
Tot Ion: 75 Resp: 5492

Ion Ratio Lower Upper

75 100

53 64.1 50.2 75.4

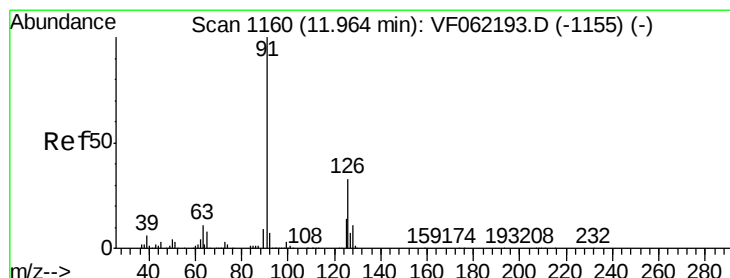
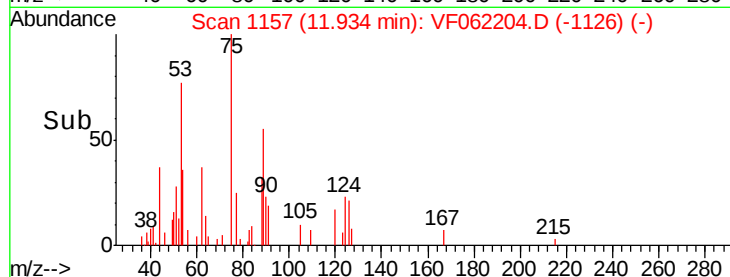
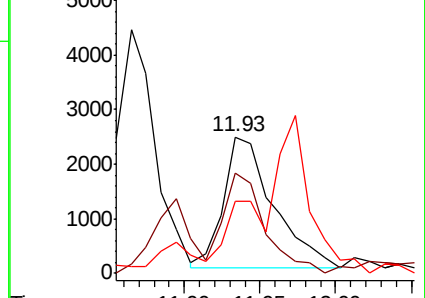
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 2.711 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF062204.D

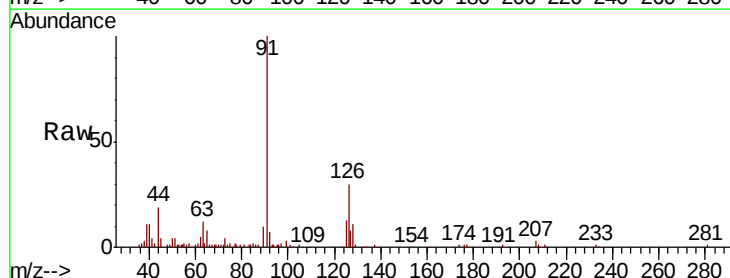
Acq: 18 Apr 2019 14:47

Tgt Ion: 91 Resp: 44202

Ion Ratio Lower Upper

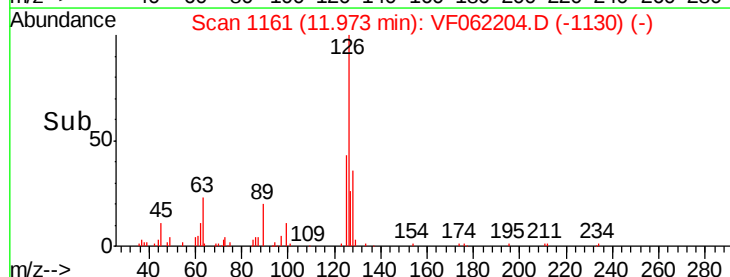
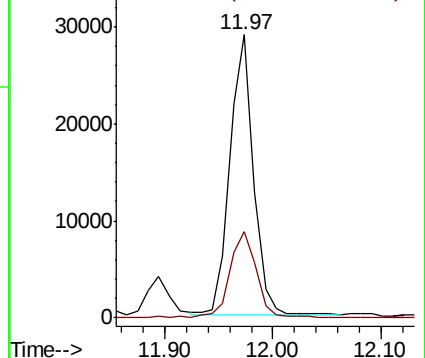
91 100

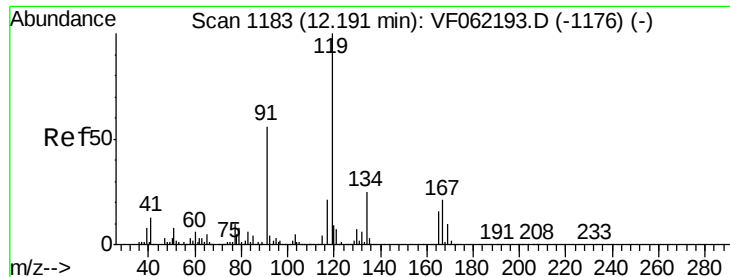
126 34.8 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

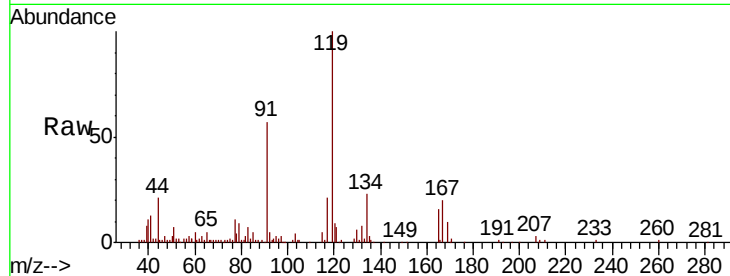




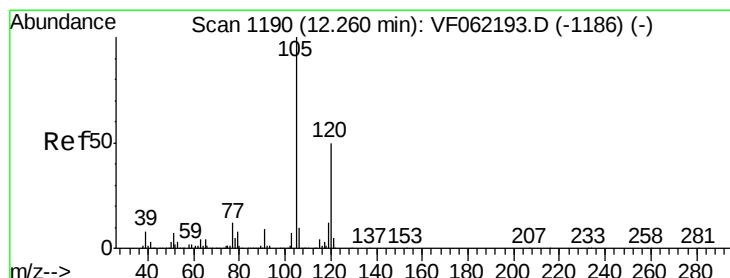
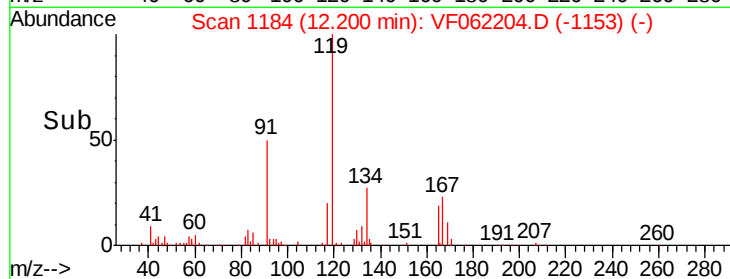
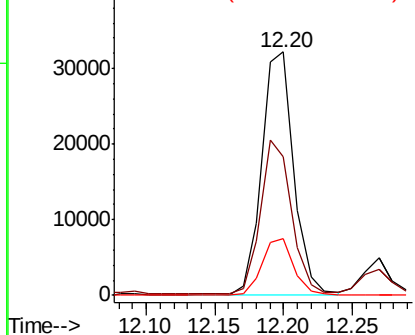
#83
tert-Butylbenzene
Concen: 2.316 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VF062204.D
Acq: 18 Apr 2019 14:47

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:119 Resp: 52603
Ion Ratio Lower Upper
119 100
91 60.4 29.4 88.2
134 22.9 11.8 35.3

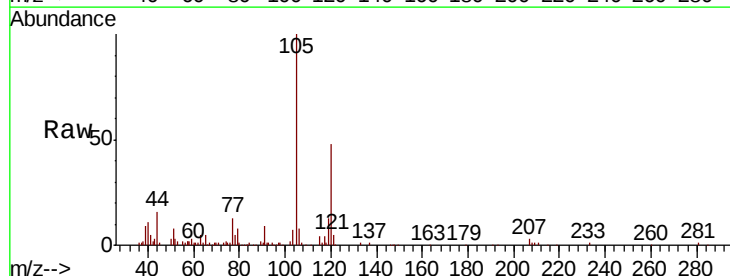


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

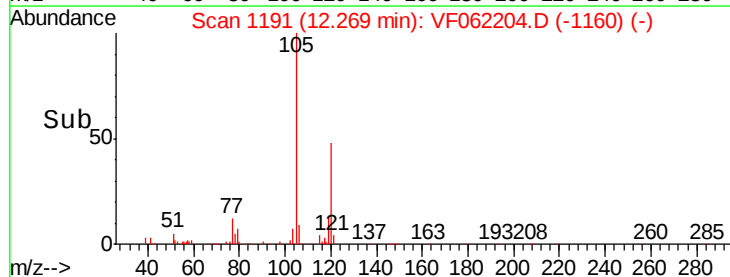
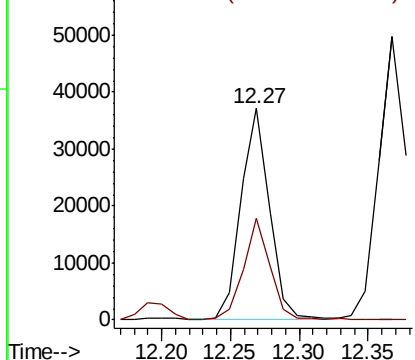


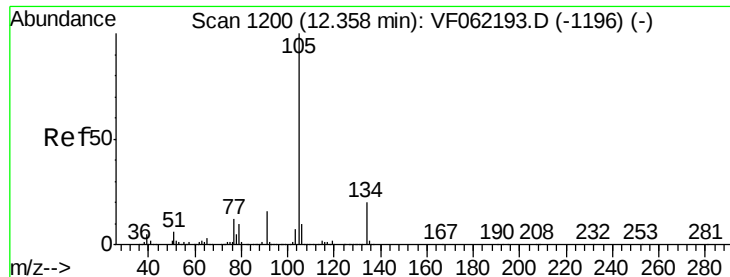
#84
1,2,4-Trimethylbenzene
Concen: 2.549 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. 0.01 min
Lab File: VF062204.D
Acq: 18 Apr 2019 14:47

Tgt Ion:105 Resp: 54166
Ion Ratio Lower Upper
105 100
120 44.9 24.0 72.0



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





#85

sec-Butylbenzene

Concen: 2.443 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

Instrument :

MSVOA_F

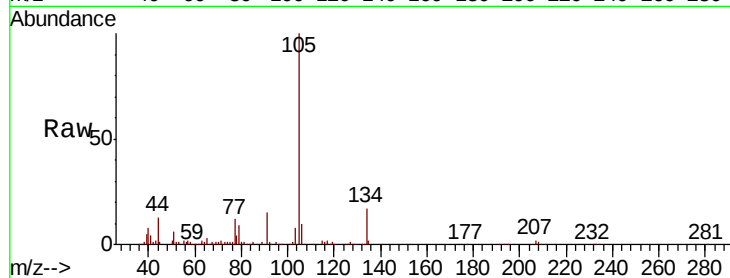
ClientSampleId :

Tot Ion:105 Resp: 72036

Ion Ratio Lower Upper

105 100

134 18.3 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.37

50000

40000

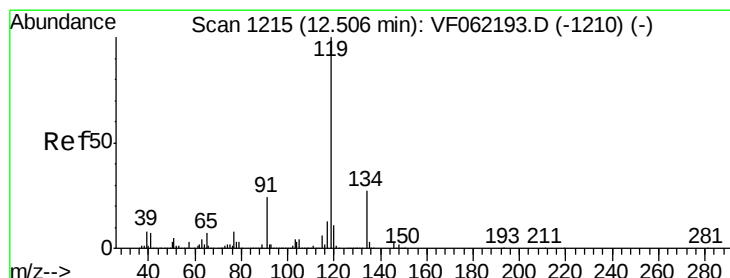
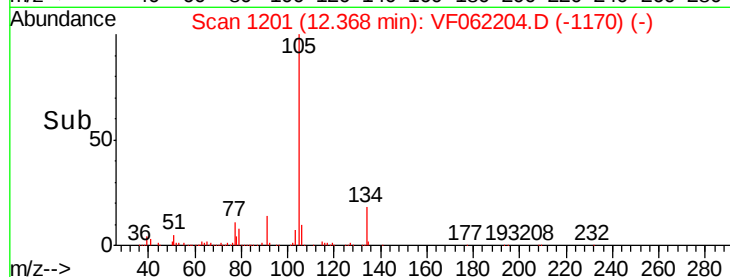
30000

20000

10000

0

Time-->



#86

p-Isopropyltoluene

Concen: 2.646 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

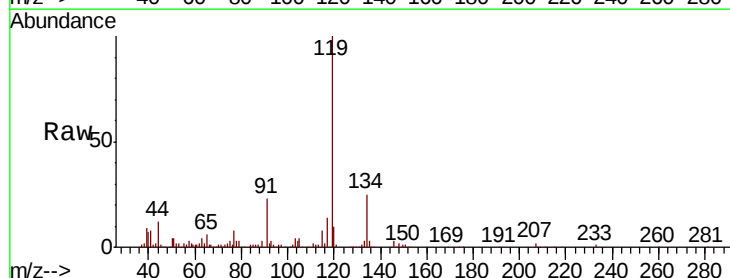
Tgt Ion:119 Resp: 66178

Ion Ratio Lower Upper

119 100

134 24.5 13.2 39.5

91 22.7 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.52

60000

50000

40000

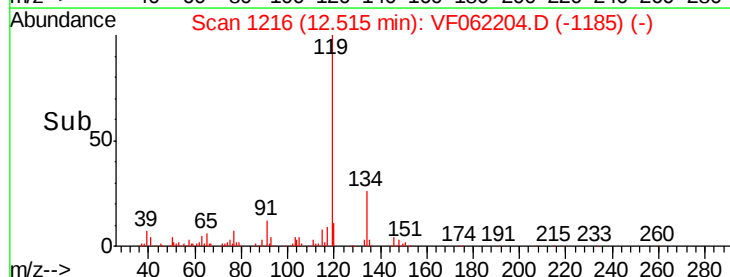
30000

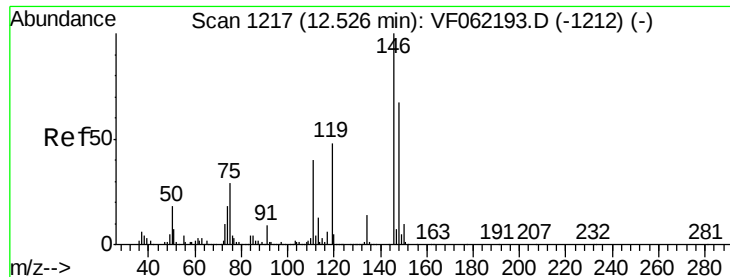
20000

10000

0

Time-->

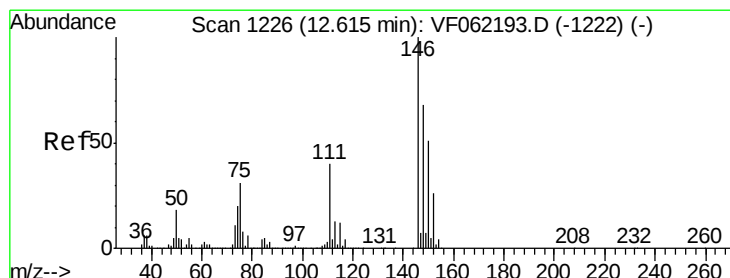
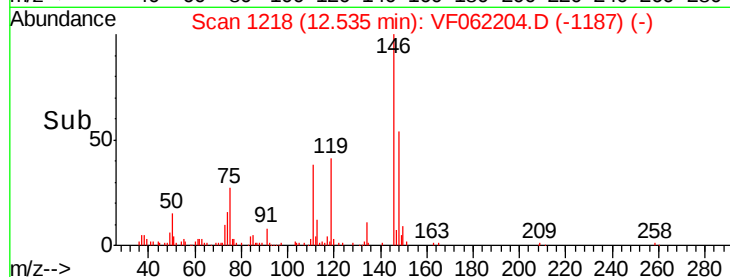
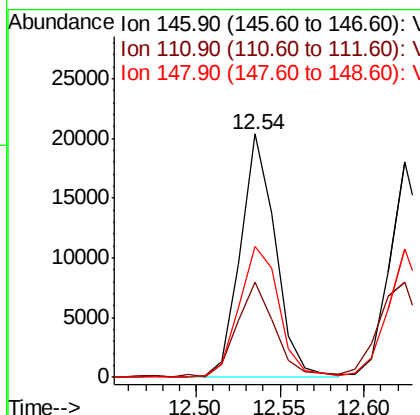
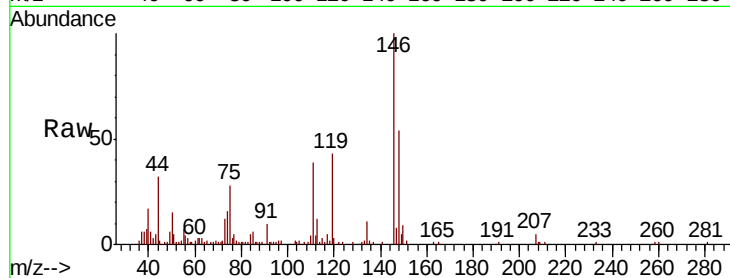




#87
 1,3-Dichlorobenzene
 Concen: 2.811 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF062204.D
 Acq: 18 Apr 2019 14:47

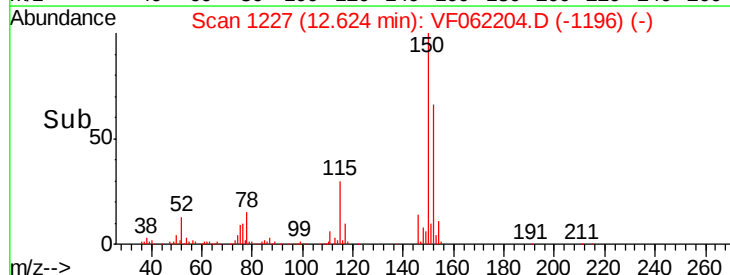
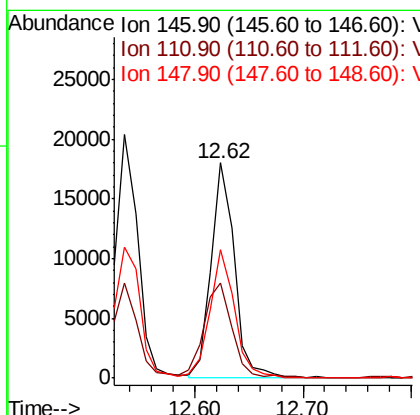
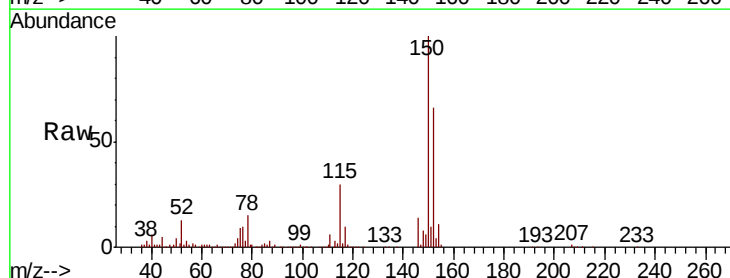
Instrument :
 MSVOA_F
 ClientSampled :

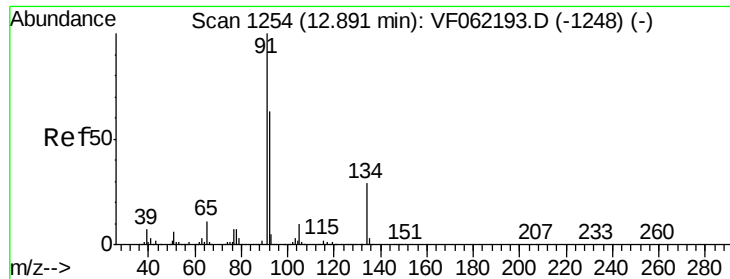
Tot Ion:146 Resp: 29459
 Ion Ratio Lower Upper
 146 100
 111 42.7 19.7 59.0
 148 61.4 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 2.689 ug/l
 RT: 12.62 min Scan# 1227
 Delta R.T. 0.01 min
 Lab File: VF062204.D
 Acq: 18 Apr 2019 14:47

Tgt Ion:146 Resp: 27184
 Ion Ratio Lower Upper
 146 100
 111 53.5 20.0 60.0
 148 63.5 33.6 100.8





#89

n-Butylbenzene

Concen: Below Cal

RT: 12.90 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

Instrument :

MSVOA_F

ClientSampleId :

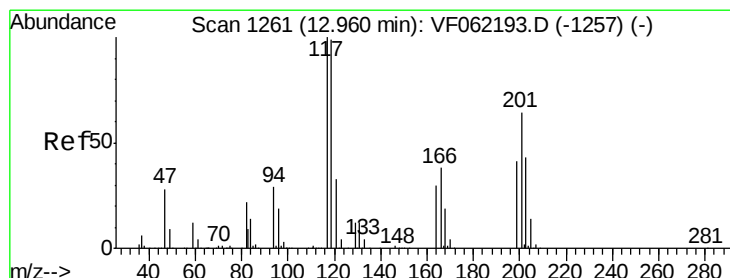
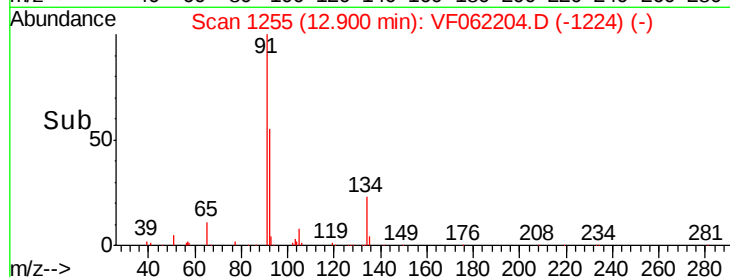
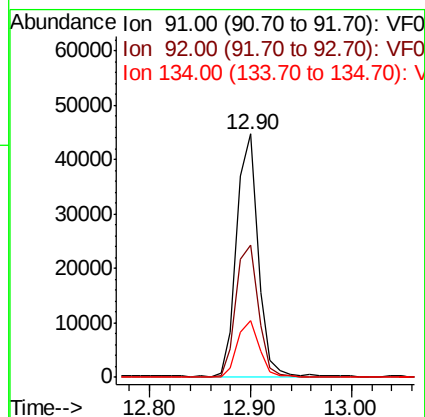
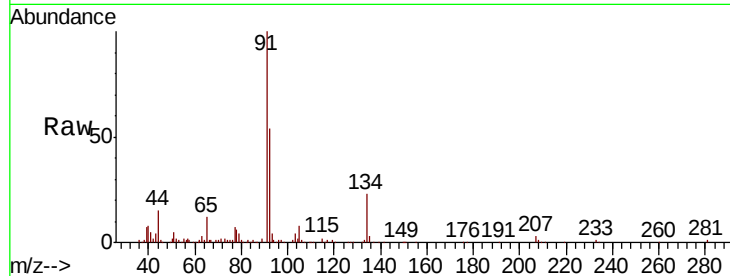
Tot Ion: 91 Resp: 65449

Ion Ratio Lower Upper

91 100

92 57.8 31.2 93.6

134 24.6 13.1 39.1



#90

Hexachloroethane

Concen: 2.244 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VF062204.D

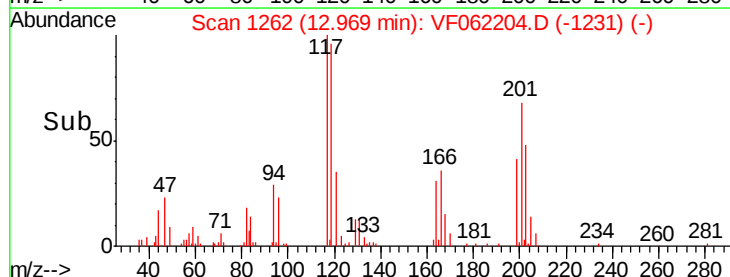
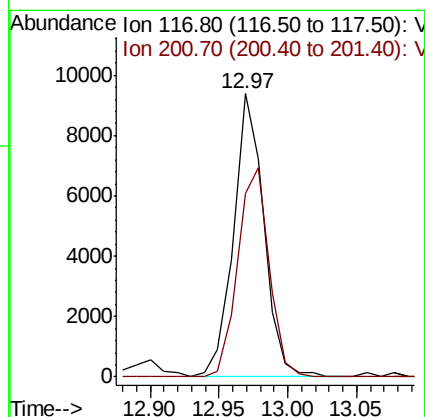
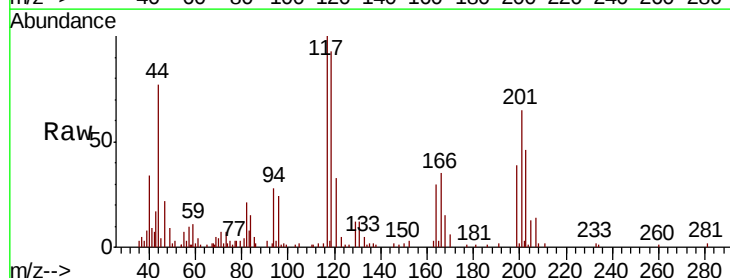
Acq: 18 Apr 2019 14:47

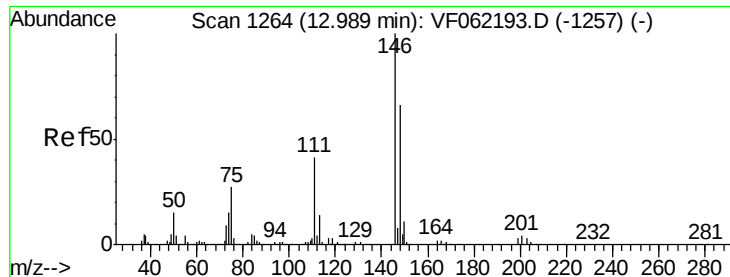
Tgt Ion: 117 Resp: 14414

Ion Ratio Lower Upper

117 100

201 76.4 37.7 113.1

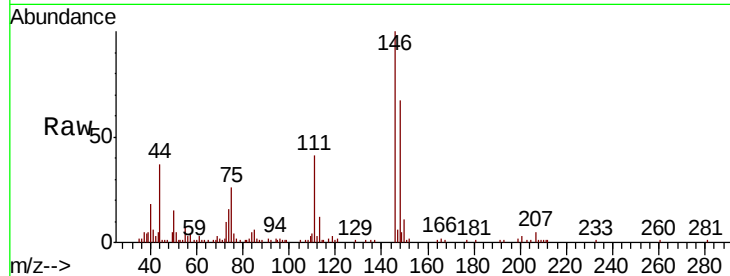




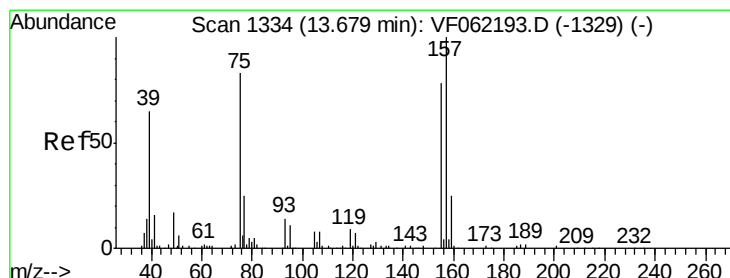
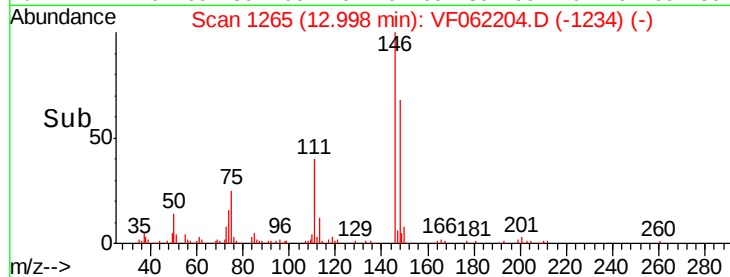
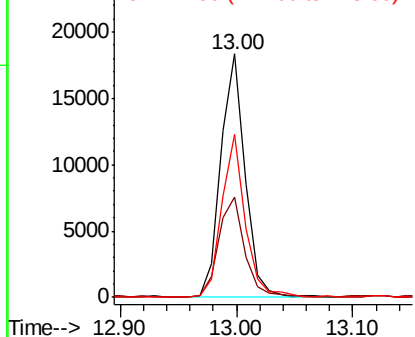
#91
 1,2-Dichlorobenzene
 Concen: 2.617 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VF062204.D
 Acq: 18 Apr 2019 14:47

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	20.8	62.5
148	65.1	33.0	99.0

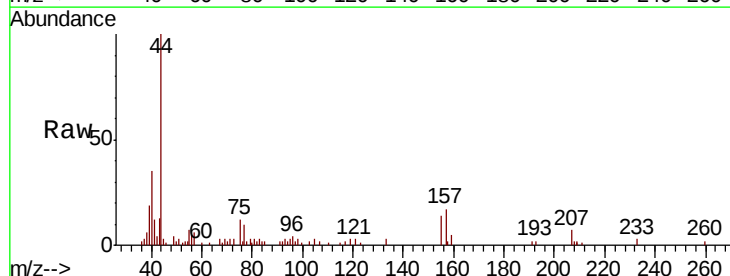


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

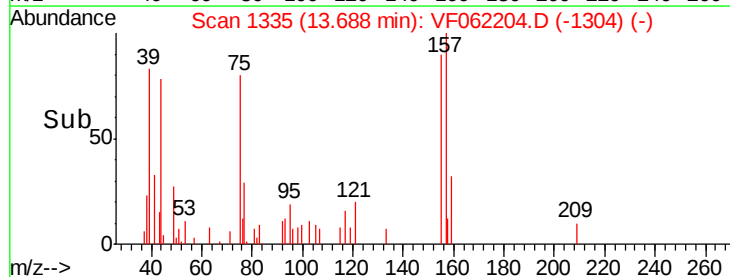
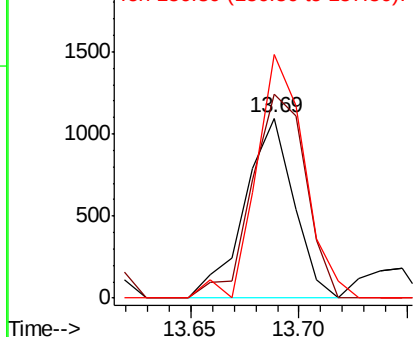


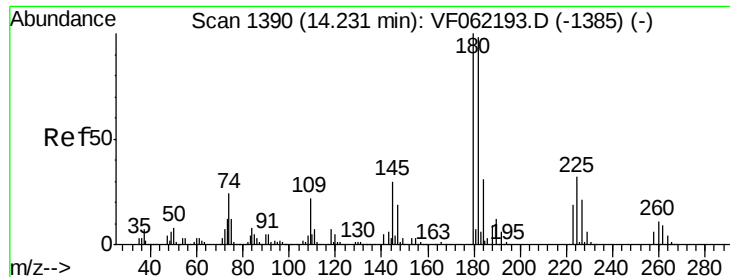
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.940 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: VF062204.D
 Acq: 18 Apr 2019 14:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	124.4	47.6	142.8
157	132.6	61.3	183.9



Abundance Ion 74.90 (74.60 to 75.60): VF0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

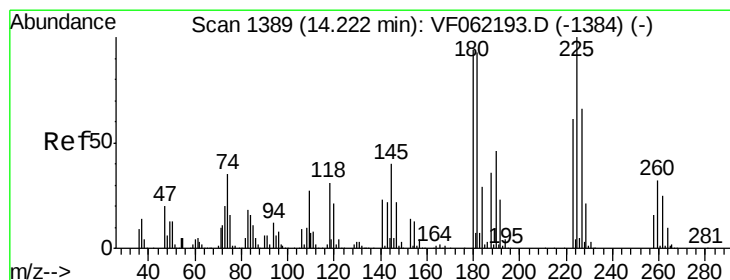
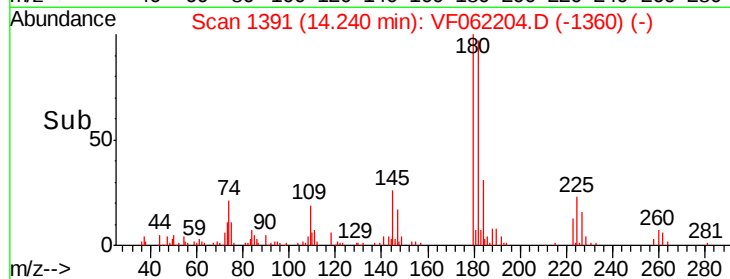
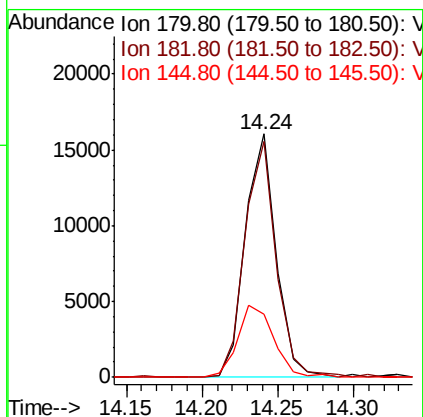
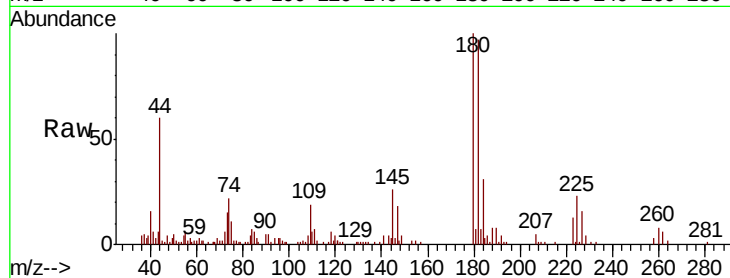




#93
 1,2,4-Trichlorobenzene
 Concen: 2.698 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062204.D
 Acq: 18 Apr 2019 14:47

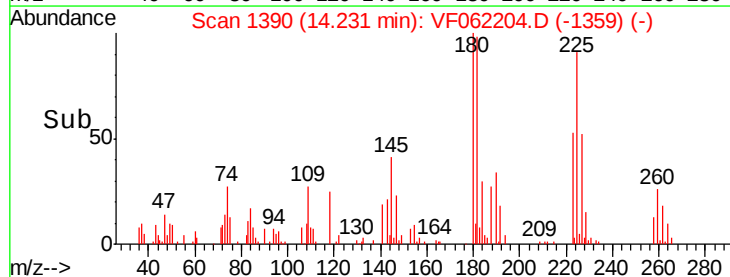
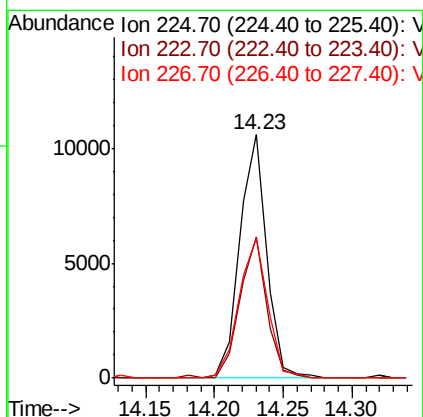
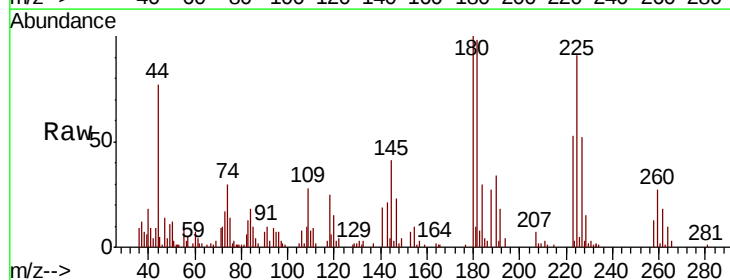
Instrument :
 MSVOA_F
 ClientSampleId :

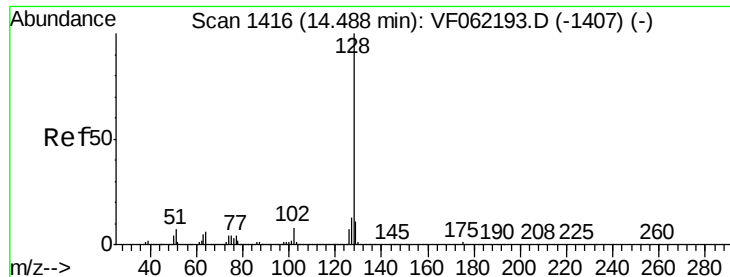
Tot Ion:180 Resp: 22843
 Ion Ratio Lower Upper
 180 100
 182 98.9 49.3 147.9
 145 34.7 18.1 54.4



#94
 Hexachlorobutadiene
 Concen: 2.488 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VF062204.D
 Acq: 18 Apr 2019 14:47

Tgt Ion:225 Resp: 14447
 Ion Ratio Lower Upper
 225 100
 223 57.8 31.0 93.0
 227 61.4 32.4 97.0





#95

Naphthalene

Concen: 3.465 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

Instrument :

MSVOA_F

ClientSampleId :

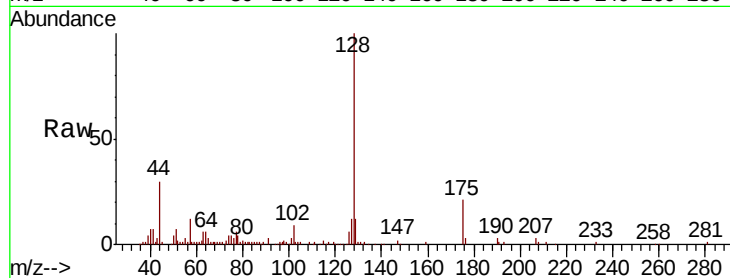
Tot Ion:128 Resp: 51296

Ion Ratio Lower Upper

128 100

127 14.0 10.4 15.6

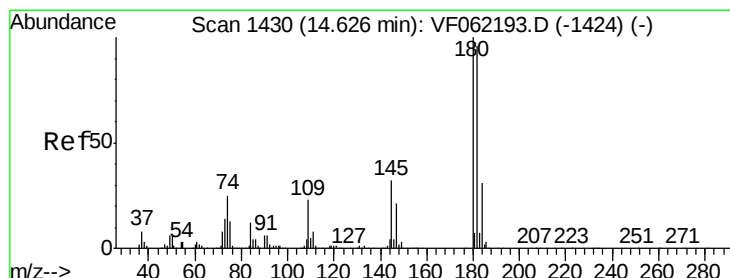
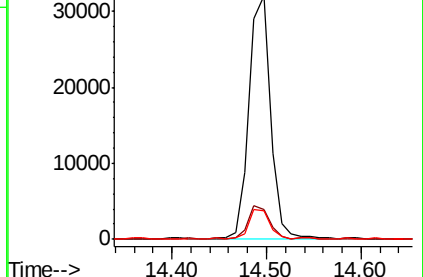
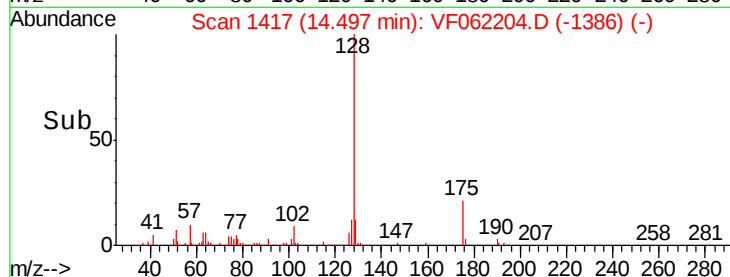
129 12.1 9.2 13.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.601 ug/l

RT: 14.63 min Scan# 1431

Delta R.T. 0.01 min

Lab File: VF062204.D

Acq: 18 Apr 2019 14:47

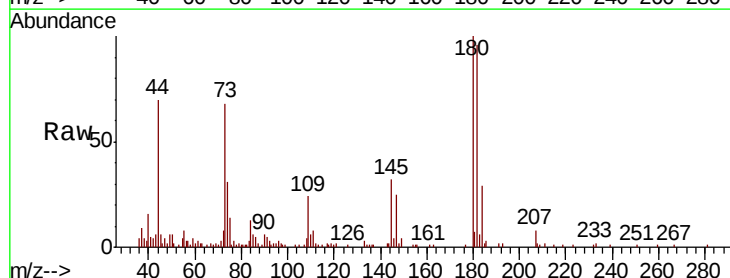
Tgt Ion:180 Resp: 21141

Ion Ratio Lower Upper

180 100

182 95.3 48.4 145.3

145 30.2 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

