

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041719\
 Data File : VF062193.D
 Acq On : 17 Apr 2019 18:38
 Operator : FY/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 18 06:53:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 06:46:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	410092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	597159	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	461958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	236107	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	194617	35.63	ug/l	0.00
Spiked Amount			Recovery	=	71.26%	
35) Dibromofluoromethane	4.30	113	251336	61.37	ug/l	0.00
Spiked Amount			Recovery	=	122.74%	
50) Toluene-d8	7.70	98	664900	44.53	ug/l	0.00
Spiked Amount			Recovery	=	89.06%	
62) 4-Bromofluorobenzene	11.48	95	243482	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	296716	60.327	ug/l	100
3) Chloromethane	1.15	50	308319	52.018	ug/l	100
4) Vinyl Chloride	1.19	62	270052	47.901	ug/l	100
5) Bromomethane	1.40	94	167240	45.081	ug/l	100
6) Chloroethane	1.45	64	120068	37.730	ug/l	100
7) Trichlorofluoromethane	1.55	101	347551	51.900	ug/l	100
8) Diethyl Ether	1.70	74	74446	26.652	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.91	101	234752	54.075	ug/l	100
10) Methyl Iodide	1.98	142	427912	85.262	ug/l	100
11) Tert butyl alcohol	2.69	59	62255	57.215	ug/l	100
12) 1,1-Dichloroethene	1.87	96	220869	49.629	ug/l	100
13) Acrolein	2.09	56	26023	28.693	ug/l	100
14) Allyl chloride	2.19	41	244673	27.658	ug/l	100
15) Acrylonitrile	3.07	53	192656	67.208	ug/l	100
16) Acetone	2.34	43	222604	83.693	ug/l	100
17) Carbon Disulfide	1.91	76	533022	38.709	ug/l	99
18) Methyl Acetate	2.45	43	97949	14.654	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	394578	27.224	ug/l	100
20) Methylene Chloride	2.33	84	158858	31.078	ug/l	100
21) trans-1,2-Dichloroethene	2.41	96	225257	47.780	ug/l	100
22) Diisopropyl ether	2.93	45	647062	36.266	ug/l	100
23) Vinyl Acetate	3.33	43	1666166	112.659	ug/l	100
24) 1,1-Dichloroethane	3.00	63	343509	37.987	ug/l	100
25) 2-Butanone	4.51	43	439643	102.252	ug/l	100
26) 2,2-Dichloropropane	3.75	77	170017	26.261	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	295898	53.968	ug/l	100
28) Bromochloromethane	3.88	49	155096	36.683	ug/l #	100
29) Tetrahydrofuran	4.26	42	200599	70.878	ug/l	100
30) Chloroform	4.04	83	444941	52.120	ug/l	100
31) Cyclohexane	3.86	56	427018	46.567	ug/l	100
32) 1,1,1-Trichloroethane	4.27	97	256498	38.382	ug/l	100
36) 1,1-Dichloropropene	4.45	75	355060	55.459	ug/l	100
37) Ethyl Acetate	4.29	43	163093	22.777	ug/l #	100
38) Carbon Tetrachloride	4.17	117	288133	53.863	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	424479	54.906	ug/l	100
40) Benzene	4.81	78	913513	49.756	ug/l	100
41) Methacrylonitrile	4.92	41	97964	23.659	ug/l	100
42) 1,2-Dichloroethane	5.11	62	244463	39.111	ug/l	100
43) Isopropyl Acetate	7.10	43	170491	15.113	ug/l	100
44) Trichloroethene	5.67	130	251830	54.677	ug/l	100
45) 1,2-Dichloropropane	6.39	63	201280	41.000	ug/l	100
46) Dibromomethane	6.25	93	140441	47.726	ug/l	100
47) Bromodichloromethane	6.53	83	302974	51.871	ug/l	100
48) Methyl methacrylate	6.86	41	113192	19.997	ug/l	100
49) 1,4-Dioxane	6.86	88	26047	248.263	ug/l	100
51) 4-Methyl-2-Pentanone	8.39	43	639654	88.247	ug/l	100
52) Toluene	7.77	92	499316	46.038	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	231353	36.816	ug/l	100
54) cis-1,3-Dichloropropene	7.44	75	309932	42.804	ug/l	100
55) 1,1,2-Trichloroethane	8.62	97	136826	33.475	ug/l	100
56) Ethyl methacrylate	8.74	69	151074	21.645	ug/l	100
57) 1,3-Dichloropropane	8.98	76	220968	30.677	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.43	63	233236	63.999	ug/l	100
59) 2-Hexanone	9.61	43	405051	73.245	ug/l	100
60) Dibromochloromethane	8.84	129	205324	49.695	ug/l	100
61) 1,2-Dibromoethane	9.12	107	154607	36.356	ug/l	100
64) Tetrachloroethene	8.29	164	206328	56.588	ug/l	100
65) Chlorobenzene	9.91	112	514046	51.708	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.04	131	229476	62.954	ug/l	100
67) Ethyl Benzene	10.01	91	874780	48.872	ug/l	100
68) m/p-Xylenes	10.24	106	639487	98.190	ug/l	100
69) o-Xylene	10.80	106	367389	56.260	ug/l	100
70) Styrene	10.88	104	495765	45.821	ug/l	100
71) Bromoform	10.86	173	119655	44.631	ug/l #	100
73) Isopropylbenzene	11.21	105	1029533	55.861	ug/l	100
74) N-amyl acetate	11.43	43	240184	25.569	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.76	83	176667	28.995	ug/l	100
76) 1,2,3-Trichloropropane	11.86	75	120173	22.827	ug/l #	64
77) Bromobenzene	11.57	156	216945	47.884	ug/l	100
78) n-propylbenzene	11.66	91	1045722	50.667	ug/l	100
79) 2-Chlorotoluene	11.79	91	642106	51.166	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	843571	54.767	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.92	75	73436	35.637	ug/l #	87
82) 4-Chlorotoluene	11.96	91	608907	43.152	ug/l	100
83) tert-Butylbenzene	12.19	119	876206	58.254	ug/l	100
84) 1,2,4-Trimethylbenzene	12.26	105	794936	51.312	ug/l	100
85) sec-Butylbenzene	12.36	105	1147514	62.975	ug/l	100
86) p-Isopropyltoluene	12.51	119	958219	58.291	ug/l	100
87) 1,3-Dichlorobenzene	12.53	146	386693	48.652	ug/l	100
88) 1,4-Dichlorobenzene	12.61	146	380820	47.369	ug/l	100
89) n-Butylbenzene	12.89	91	840717	55.701	ug/l	100
90) Hexachloroethane	12.96	117	252712	83.841	ug/l	100
91) 1,2-Dichlorobenzene	12.99	146	377659	48.163	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.68	75	35219	25.687	ug/l	100

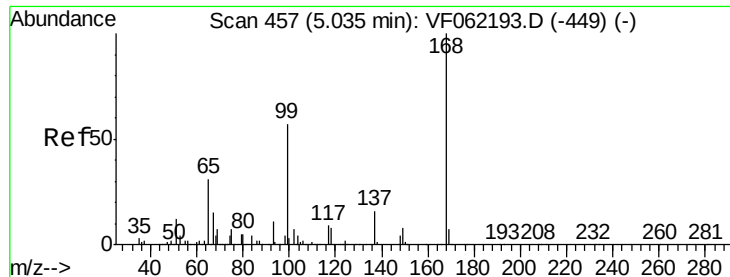
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	316868	54.699	ug/l	100
94) Hexachlorobutadiene	14.22	225	225387	72.378	ug/l	100
95) Naphthalene	14.49	128	564398	33.103	ug/l	100
96) 1,2,3-Trichlorobenzene	14.63	180	320141	55.659	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

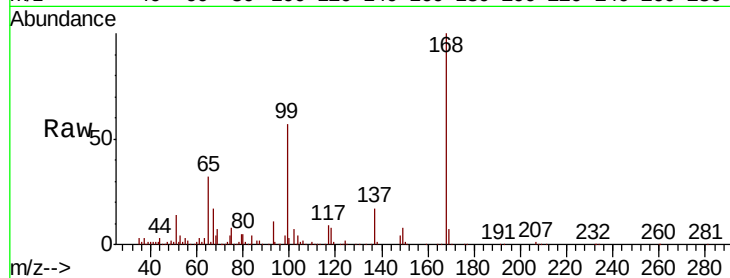
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 410092

Ion Ratio Lower Upper

168 100

99 56.9 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.03

150000

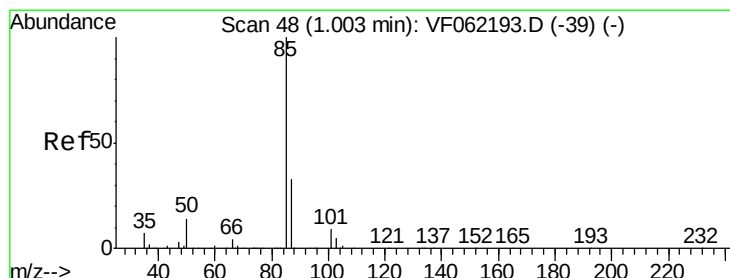
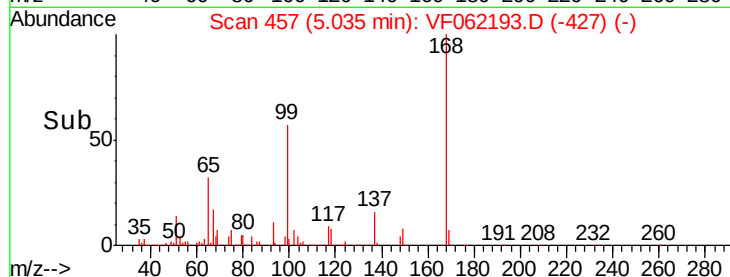
100000

50000

0

Time-->

5.00 5.20



#2

Dichlorodifluoromethane

Concen: 60.327 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062193.D

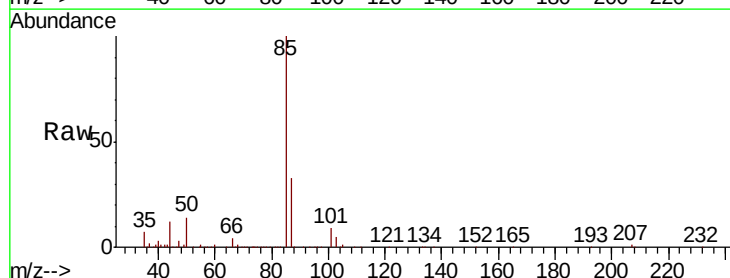
Acq: 17 Apr 2019 18:38

Tgt Ion: 85 Resp: 296716

Ion Ratio Lower Upper

85 100

87 32.7 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

80000

60000

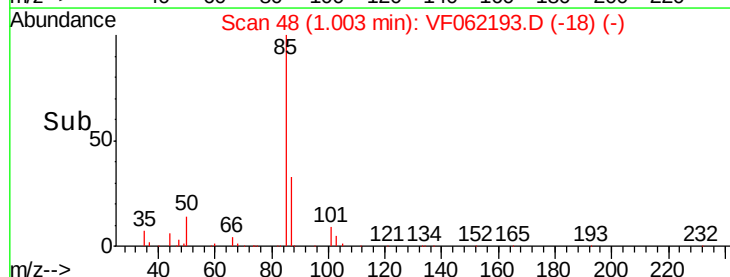
40000

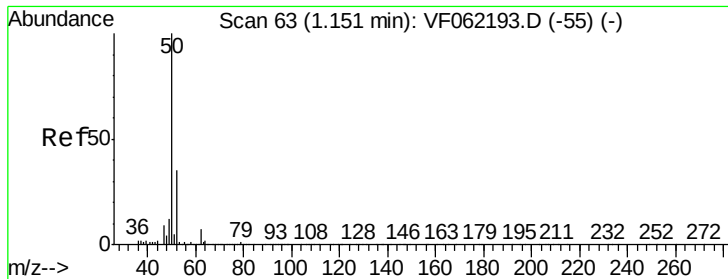
20000

0

Time-->

0.80 1.00 1.20





#3

Chloromethane

Concen: 52.018 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

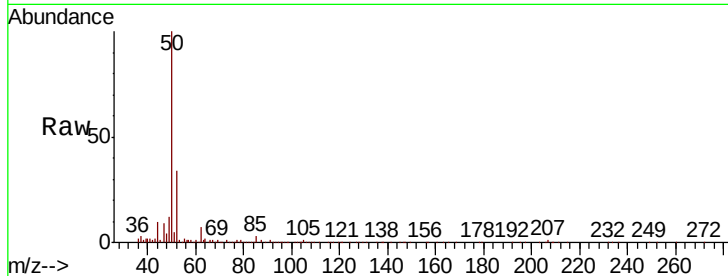
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 308319

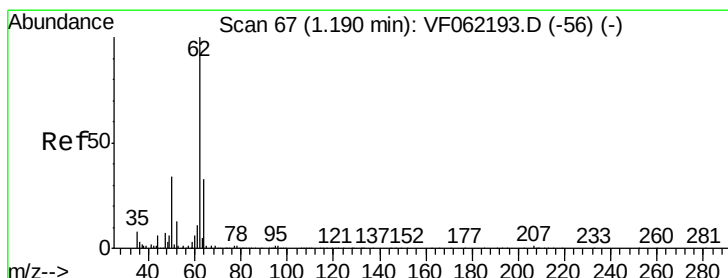
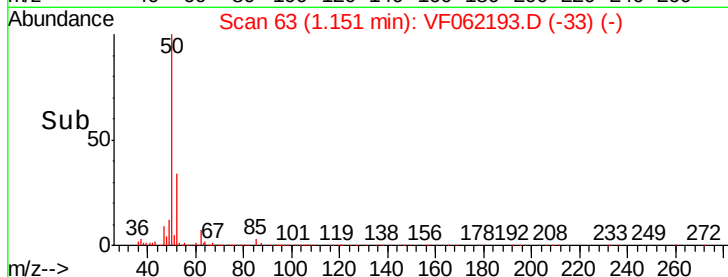
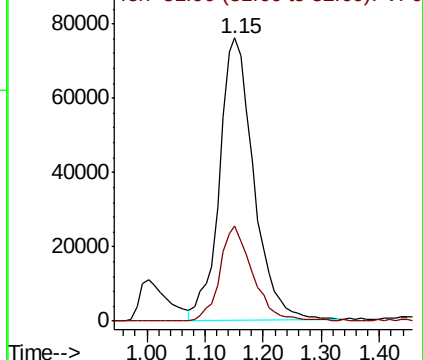
Ion Ratio Lower Upper

50 100

52 33.7 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: 47.901 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062193.D

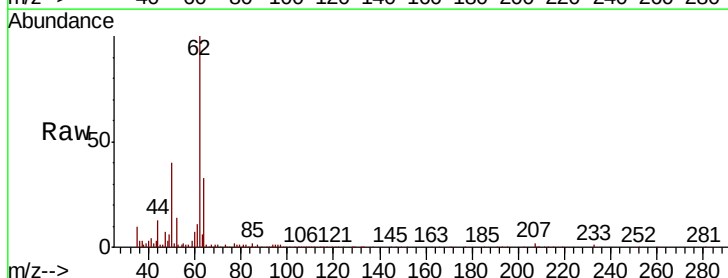
Acq: 17 Apr 2019 18:38

Tgt Ion: 62 Resp: 270052

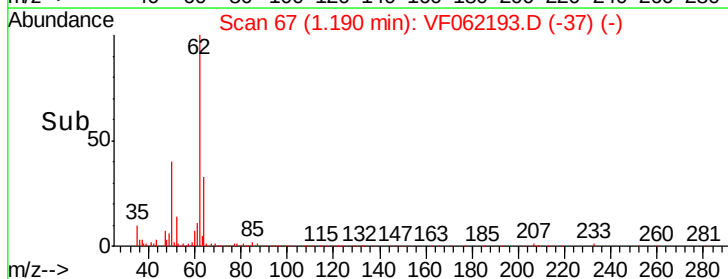
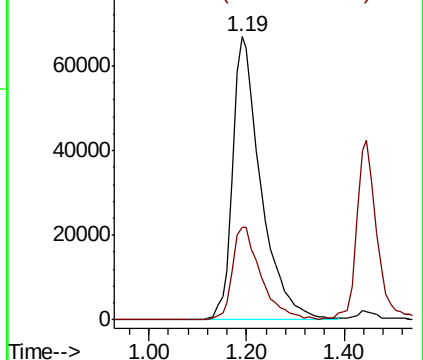
Ion Ratio Lower Upper

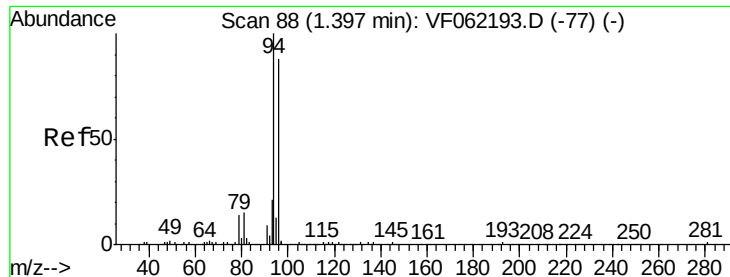
62 100

64 32.8 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: 45.081 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

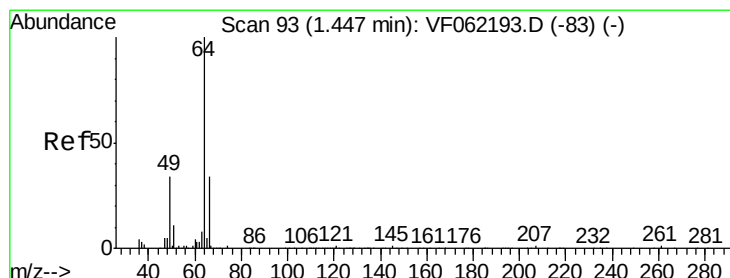
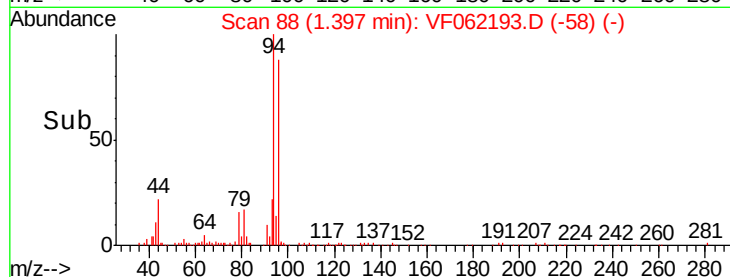
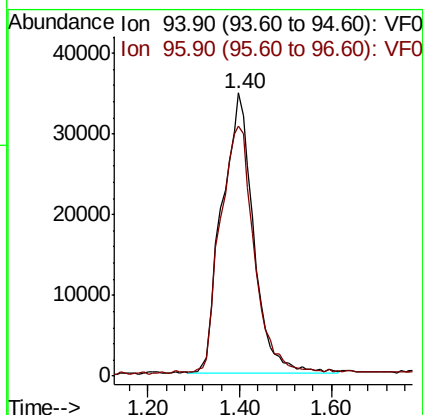
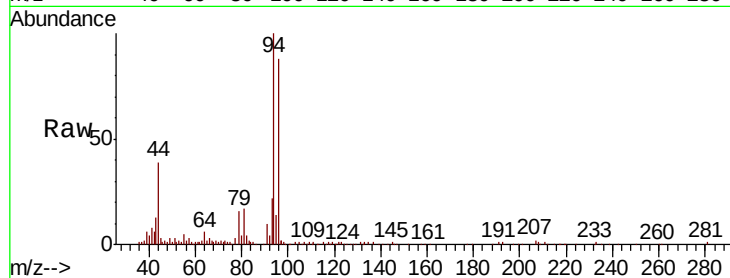
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 167240

Ion Ratio Lower Upper

94 100

96 87.8 70.2 105.4



#6

Chloroethane

Concen: 37.730 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062193.D

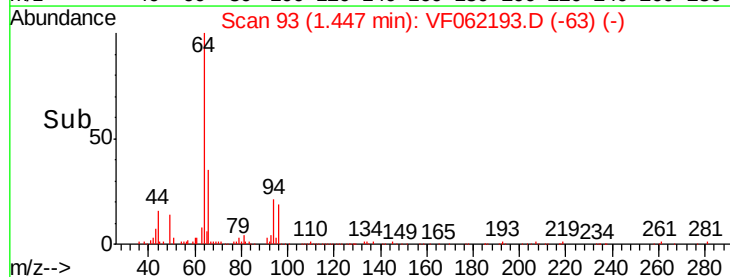
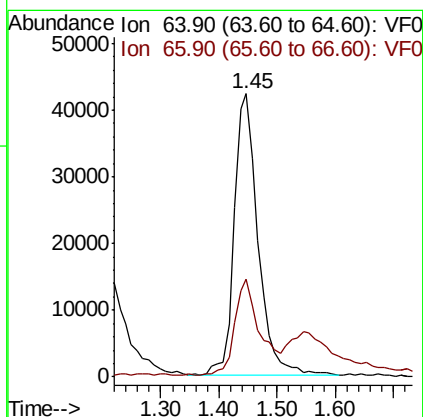
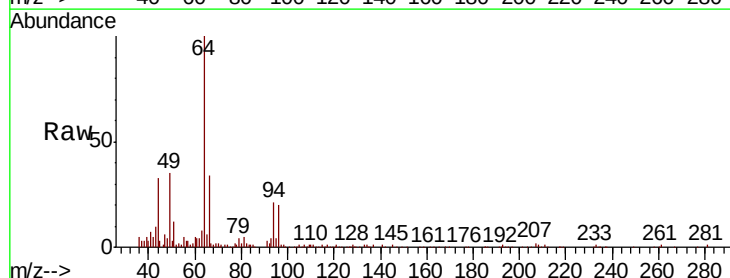
Acq: 17 Apr 2019 18:38

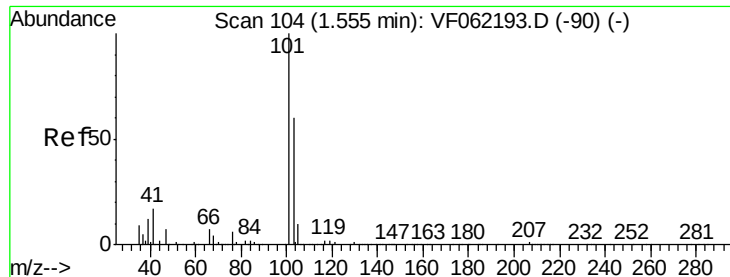
Tgt Ion: 64 Resp: 120068

Ion Ratio Lower Upper

64 100

66 33.7 27.0 40.4



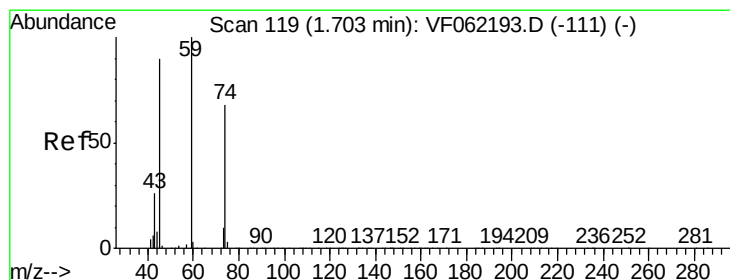
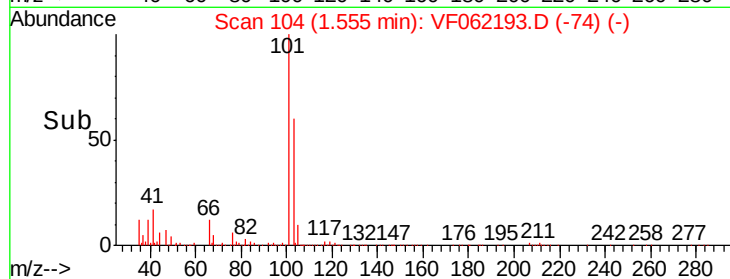
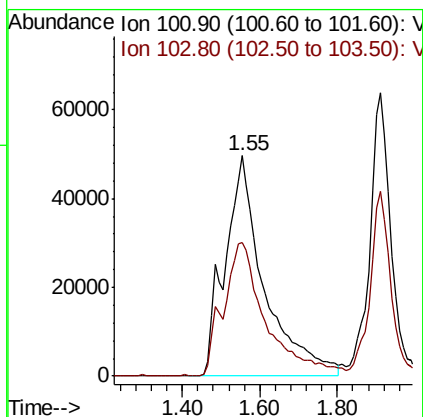
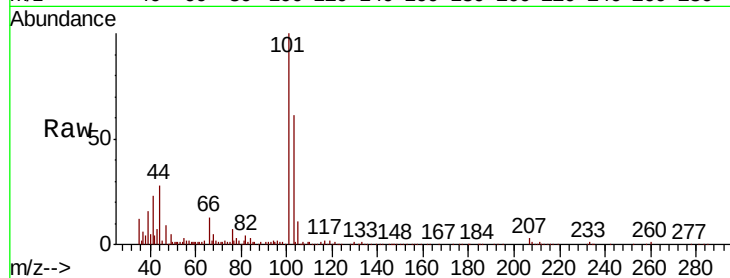


#7

Trichlorofluoromethane
Concen: 51.900 ug/l
RT: 1.55 min Scan# 104
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Instrument :
MSVOA_F
ClientSampleId :

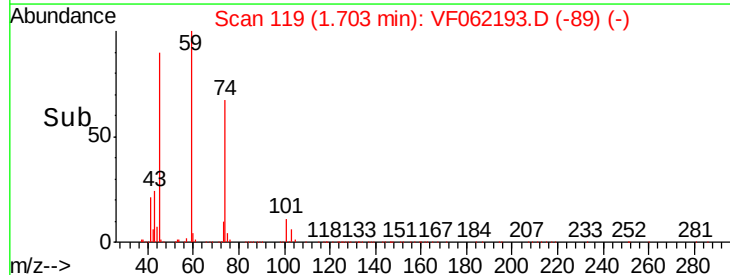
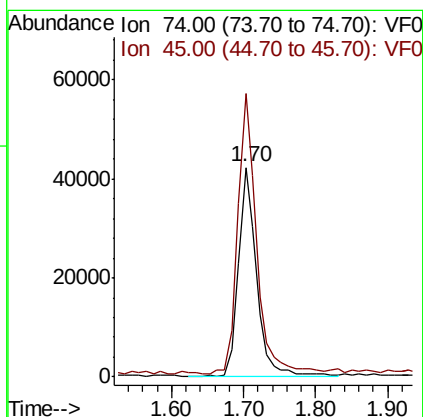
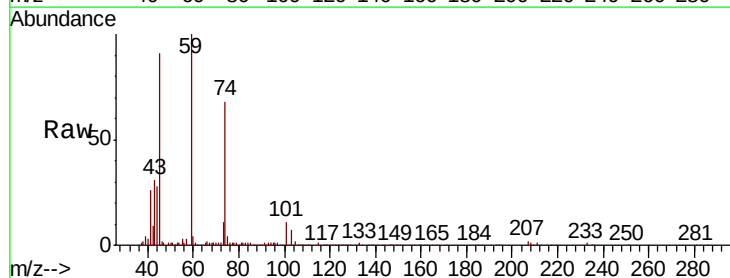
Tot Ion:101 Resp: 347551
Ion Ratio Lower Upper
101 100
103 60.3 48.2 72.4

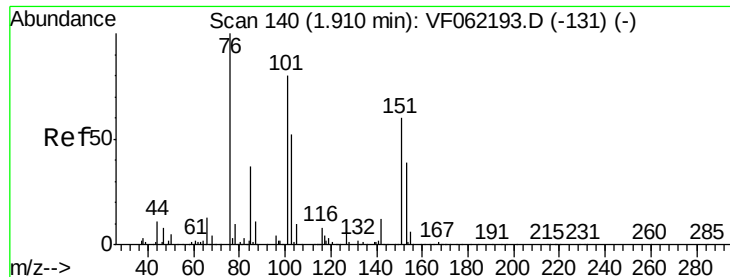


#8

Diethyl Ether
Concen: 26.652 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion: 74 Resp: 74446
Ion Ratio Lower Upper
74 100
45 140.1 70.0 210.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.075 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

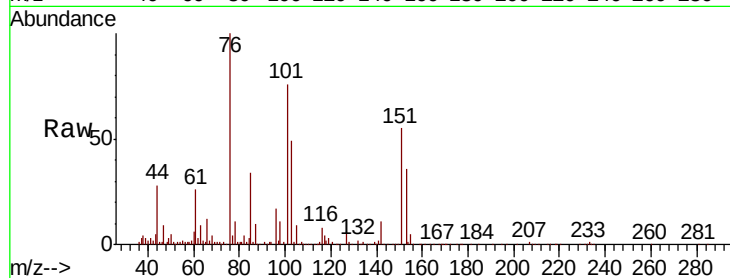
Tot Ion:101 Resp: 234752

Ion Ratio Lower Upper

101 100

85 44.1 35.3 52.9

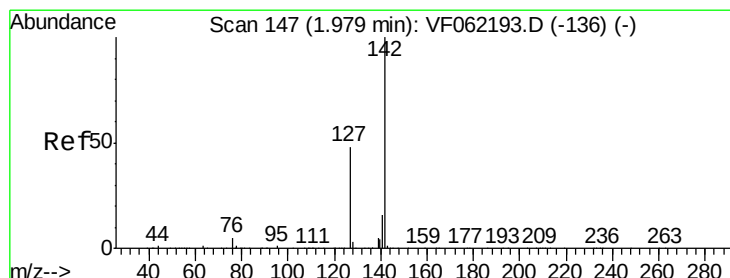
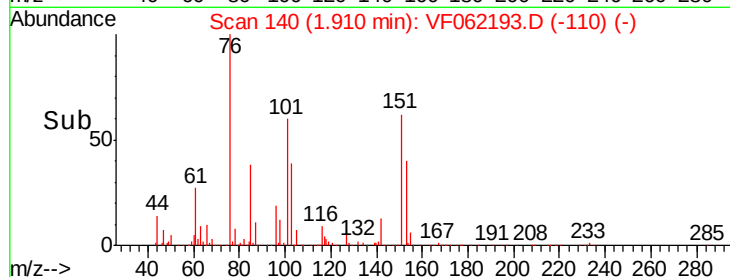
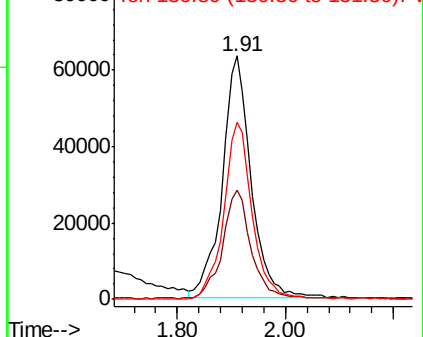
151 71.9 57.5 86.3



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: 85.262 ug/l

RT: 1.98 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

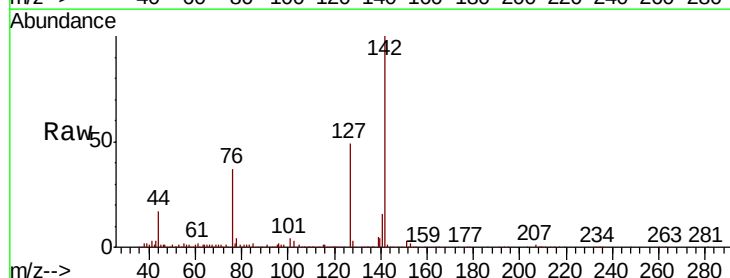
Tgt Ion:142 Resp: 427912

Ion Ratio Lower Upper

142 100

127 41.2 33.0 49.4

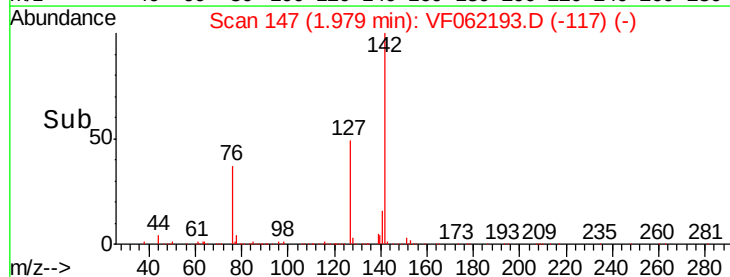
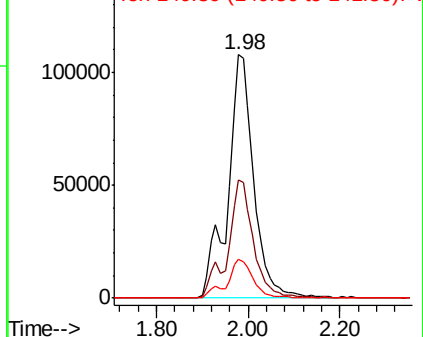
141 15.9 12.7 19.1

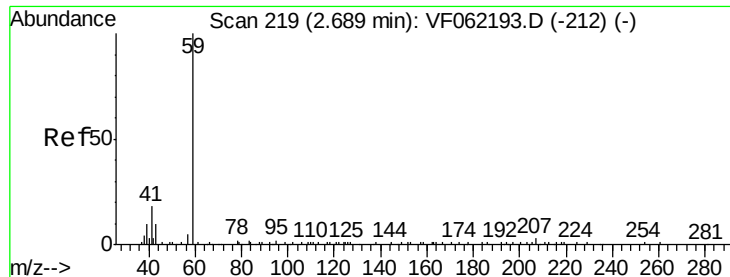


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

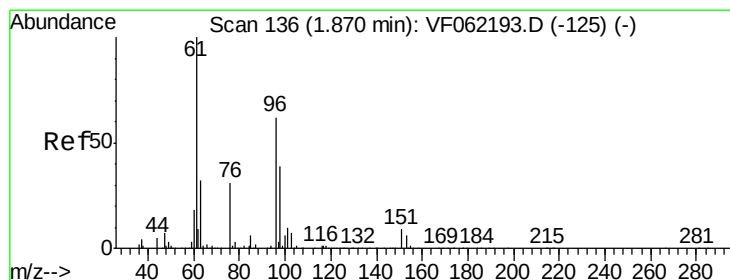
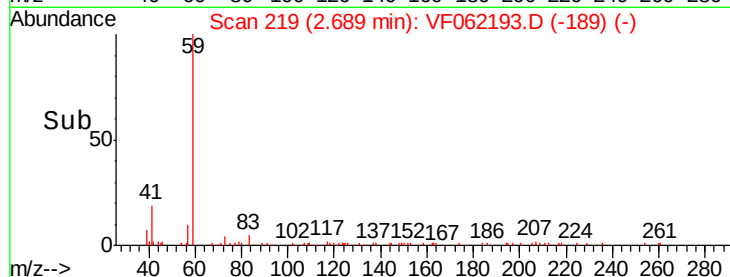
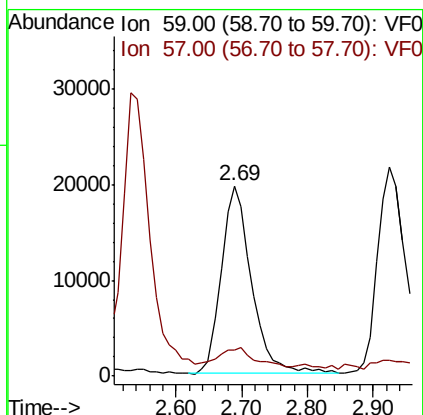
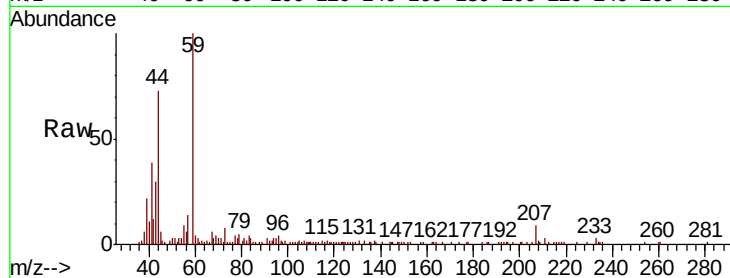




#11
Tert butyl alcohol
Concen: 57.215 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

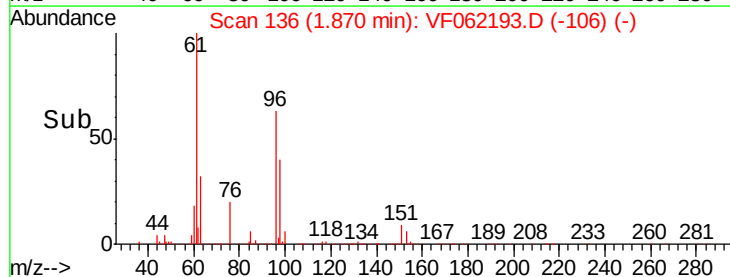
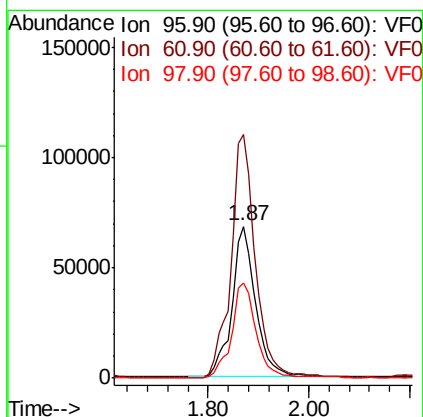
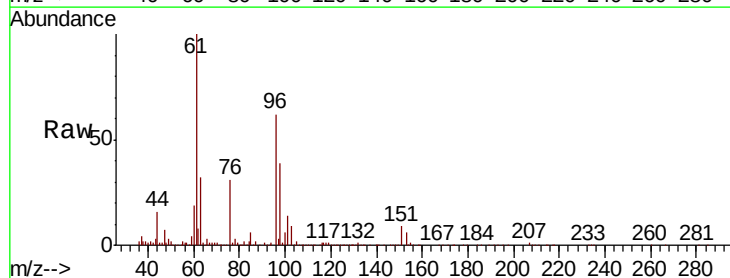
Instrument :
MSVOA_F
ClientSampleId :

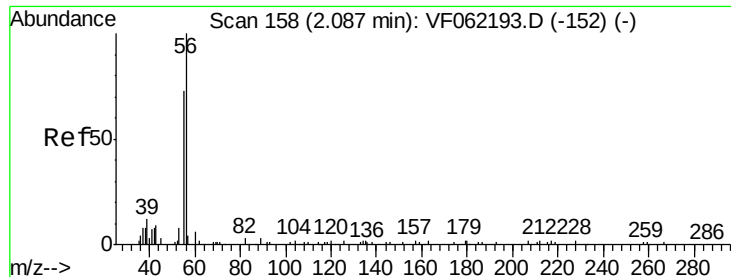
Tot Ion: 59 Resp: 62255
Ion Ratio Lower Upper
59 100
57 11.6 9.3 13.9



#12
1,1-Dichloroethene
Concen: 49.629 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion: 96 Resp: 220869
Ion Ratio Lower Upper
96 100
61 161.4 129.1 193.7
98 62.5 50.0 75.0

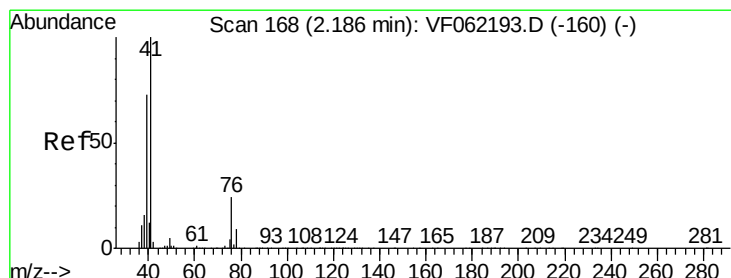
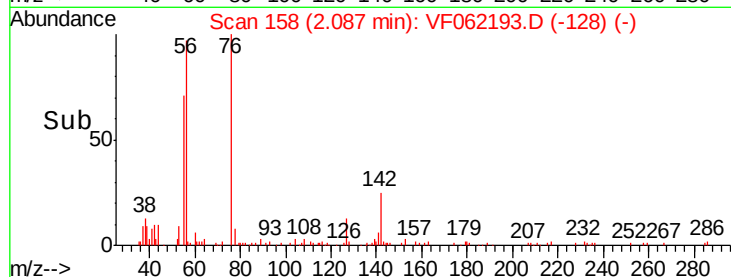
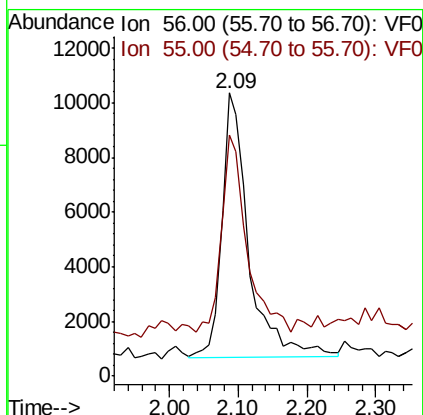
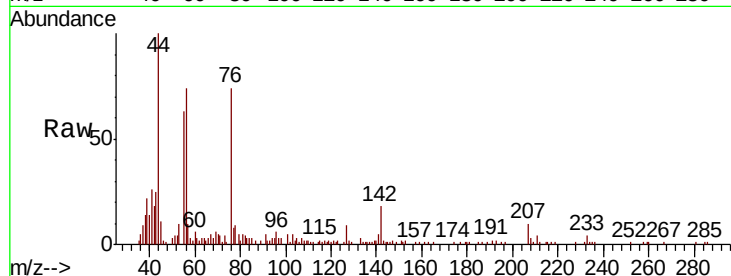




#13
Acrolein
Concen: 28.693 ug/l
RT: 2.09 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

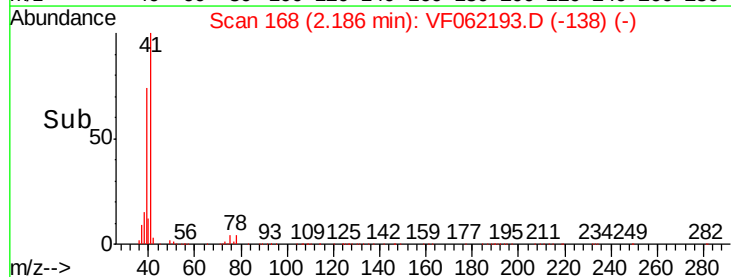
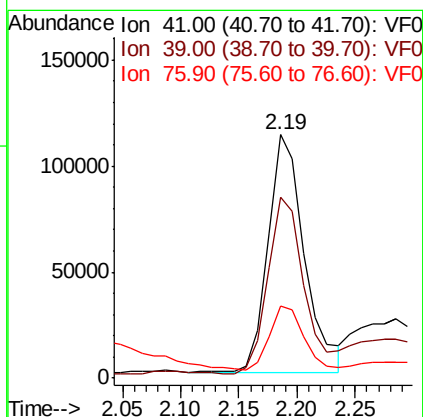
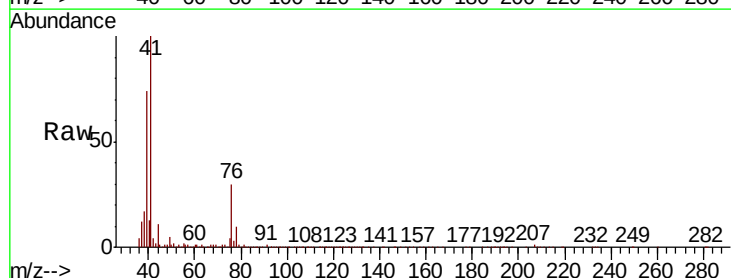
Instrument :
MSVOA_F
ClientSampleId :

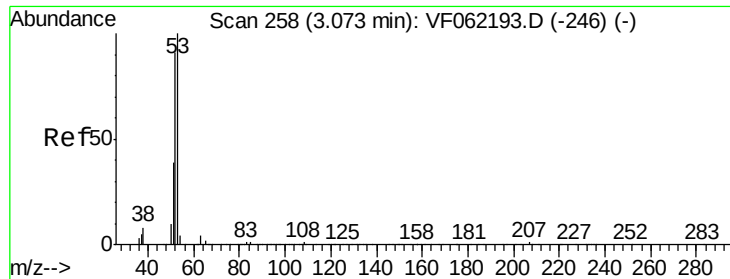
Tot Ion: 56 Resp: 26023
Ion Ratio Lower Upper
56 100
55 71.7 57.4 86.0



#14
Allyl chloride
Concen: 27.658 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion: 41 Resp: 244673
Ion Ratio Lower Upper
41 100
39 75.0 60.0 90.0
76 25.7 20.6 30.8





#15

Acrylonitrile

Concen: 67.208 ug/l

RT: 3.07 min Scan# 258

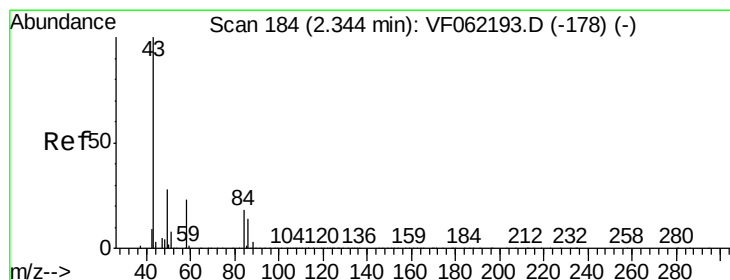
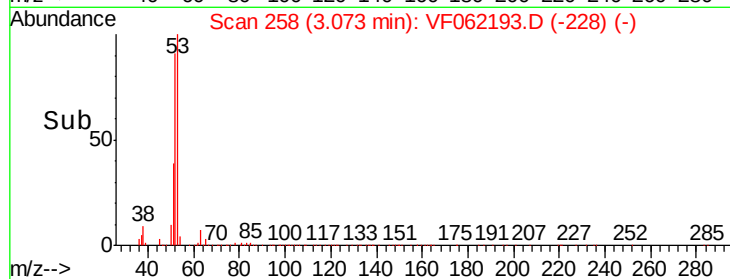
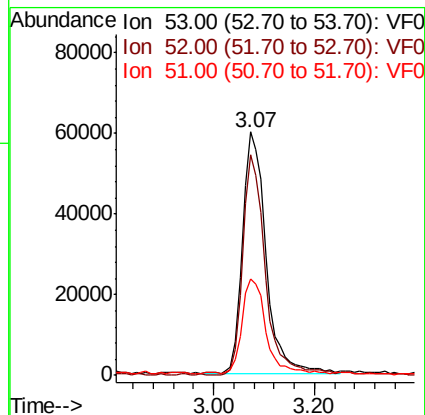
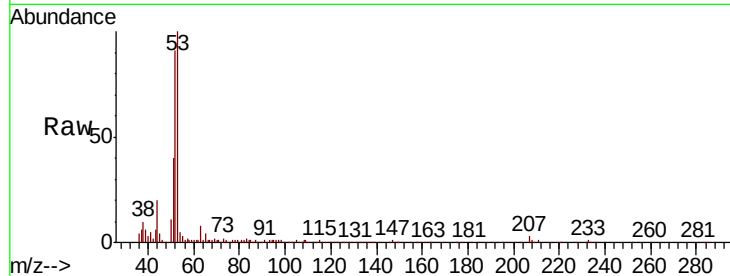
Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	192656
Ion	Ratio	Lower	Upper
53	100		
52	86.9	69.5	104.3
51	39.8	31.8	47.8



#16

Acetone

Concen: 83.693 ug/l

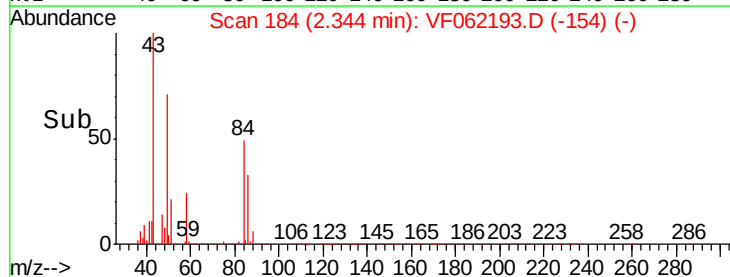
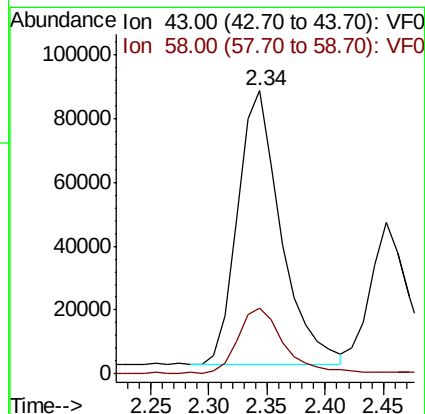
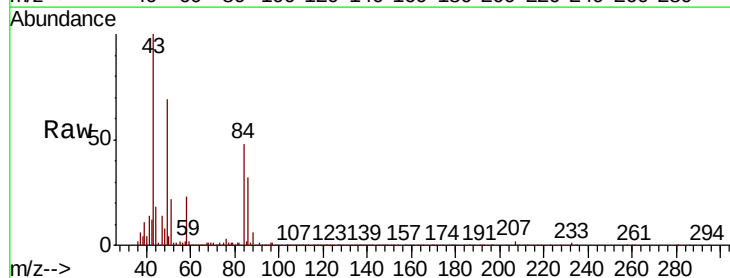
RT: 2.34 min Scan# 184

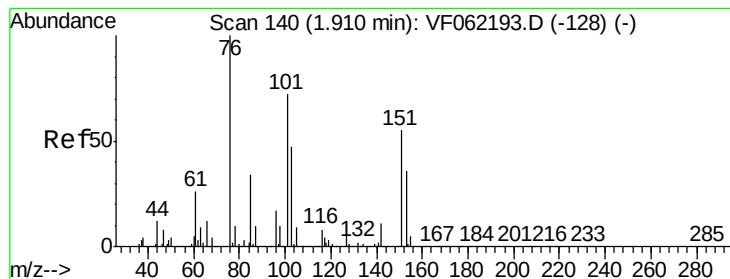
Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Tgt Ion:	43	Resp:	222604
Ion	Ratio	Lower	Upper
43	100		
58	23.5	18.8	28.2





#17

Carbon Disulfide

Concen: 38.709 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

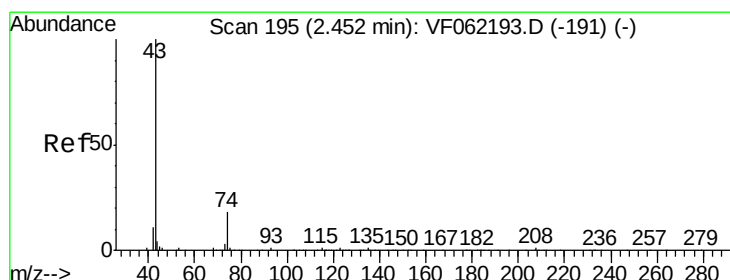
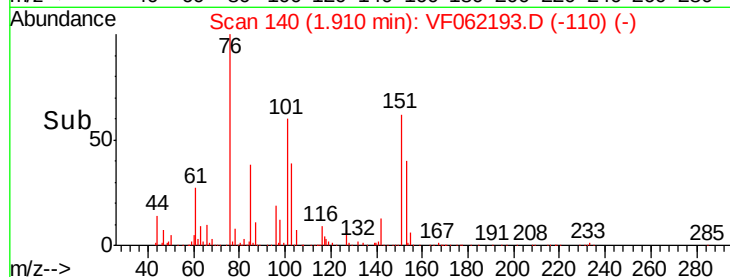
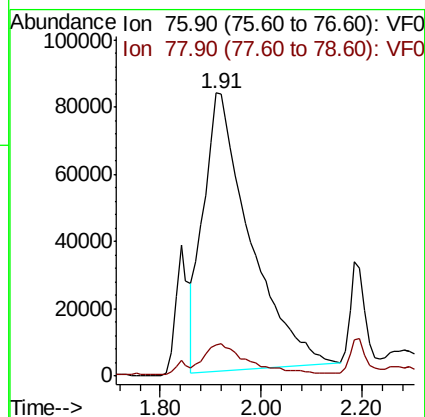
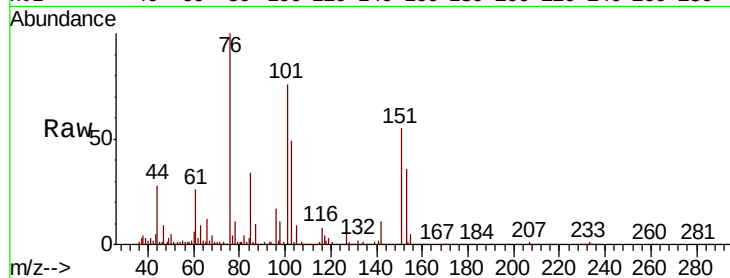
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 533022

Ion Ratio Lower Upper

76 100

78 10.4 8.7 13.1



#18

Methyl Acetate

Concen: 14.654 ug/l

RT: 2.45 min Scan# 195

Delta R.T. 0.00 min

Lab File: VF062193.D

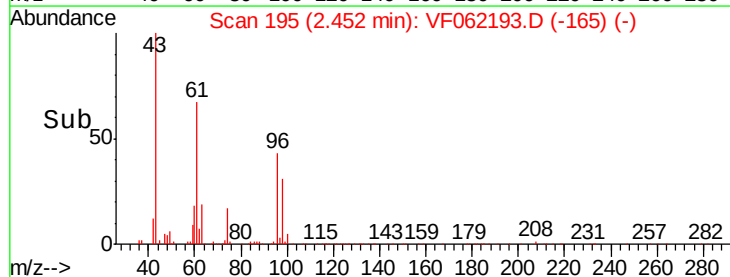
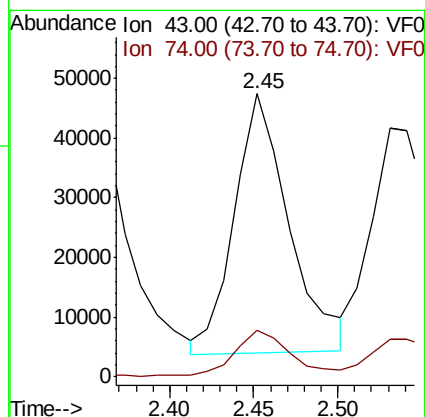
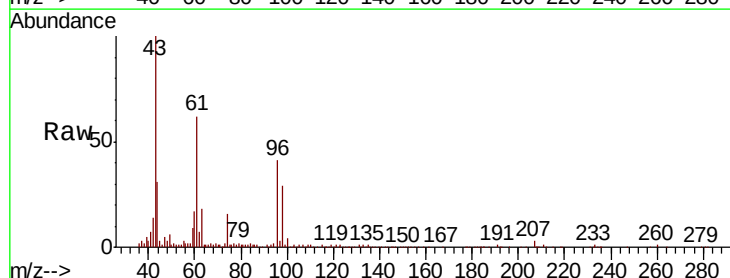
Acq: 17 Apr 2019 18:38

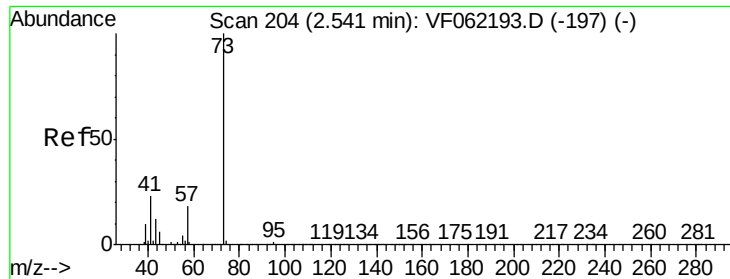
Tgt Ion: 43 Resp: 97949

Ion Ratio Lower Upper

43 100

74 18.1 14.5 21.7



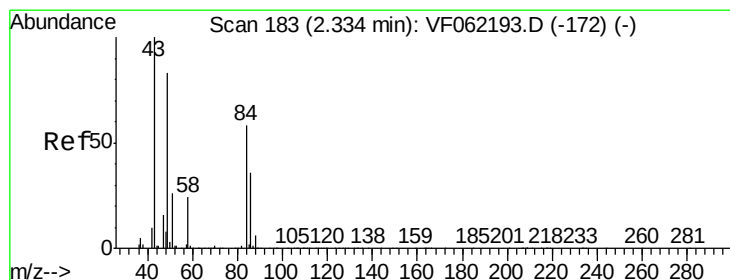
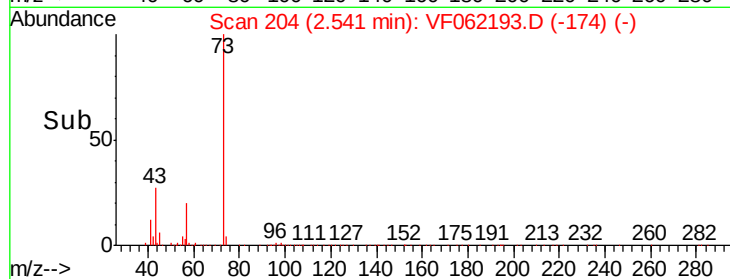
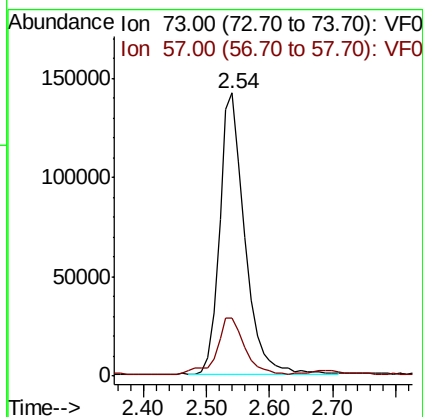
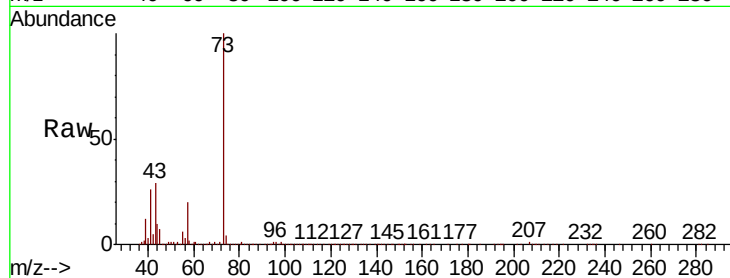


#19

Methyl tert-butyl Ether
 Concen: 27.224 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Instrument :
 MSVOA_F
 ClientSampleId :

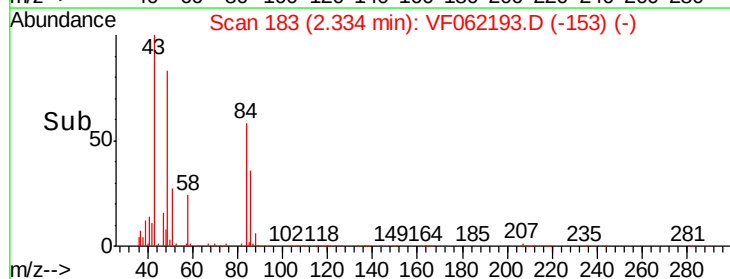
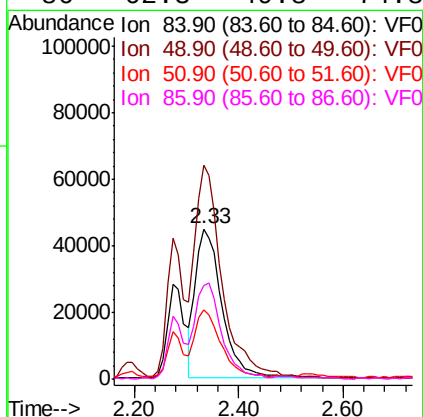
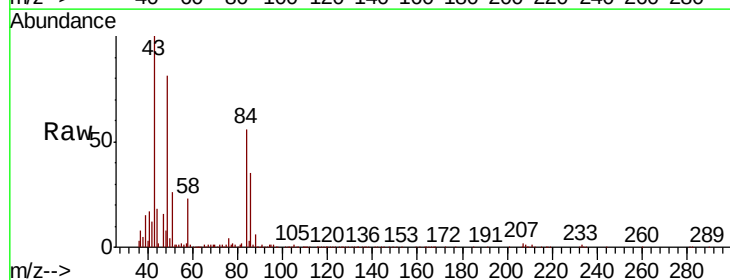
Tot Ion: 73 Resp: 394578
 Ion Ratio Lower Upper
 73 100
 57 18.9 15.1 22.7

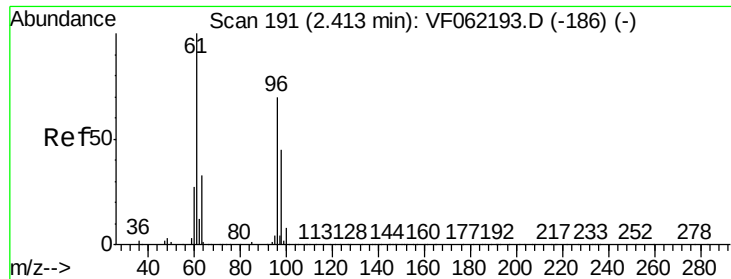


#20

Methylene Chloride
 Concen: 31.078 ug/l
 RT: 2.33 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Tgt Ion: 84 Resp: 158858
 Ion Ratio Lower Upper
 84 100
 49 142.6 114.0 171.0
 51 45.0 37.0 55.4
 86 62.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 47.780 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :
MSVOA_F
ClientSampleId :

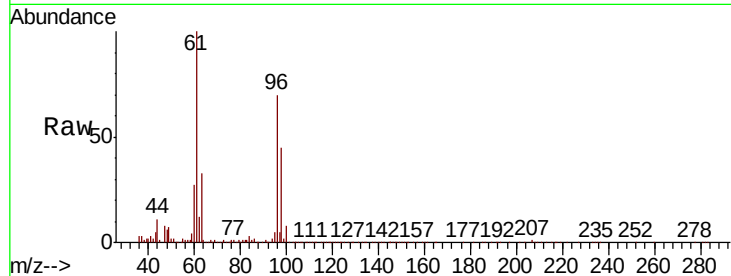
Tot Ion: 96 Resp: 225257

Ion Ratio Lower Upper

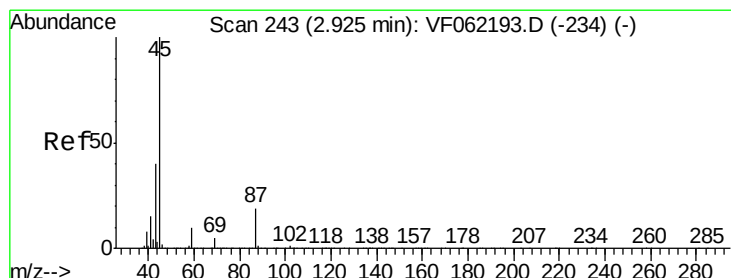
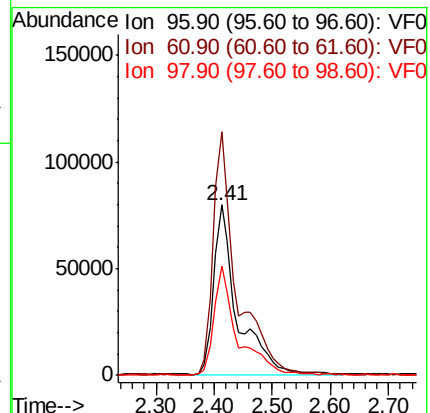
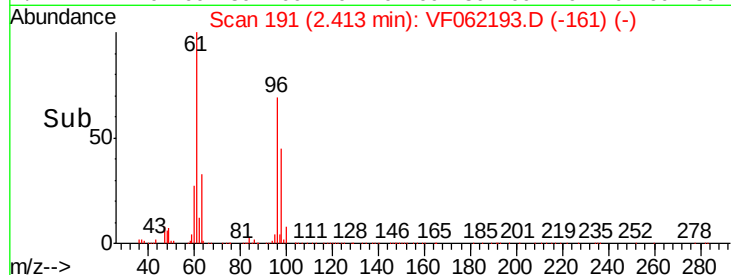
96 100

61 143.3 114.6 172.0

98 64.0 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



#22

Diisopropyl ether

Concen: 36.266 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Tgt Ion: 45 Resp: 647062

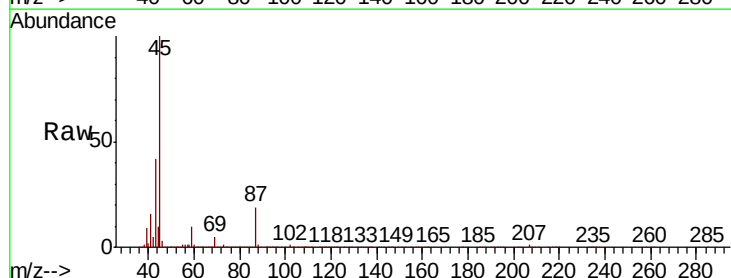
Ion Ratio Lower Upper

45 100

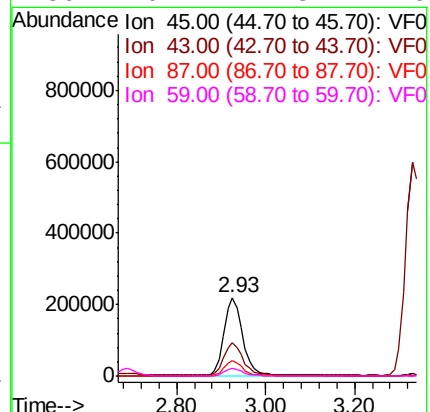
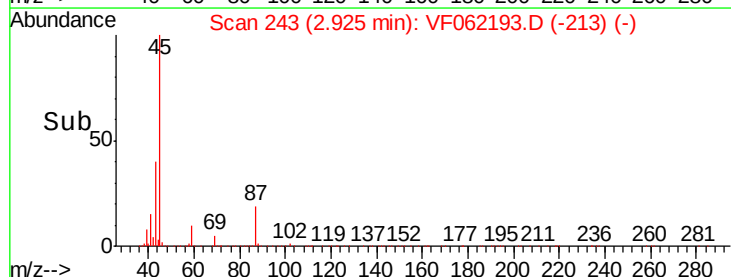
43 41.0 32.8 49.2

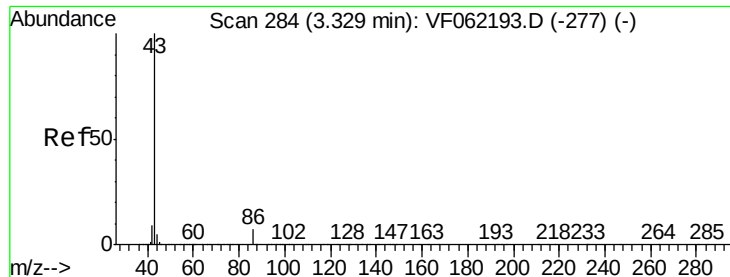
87 19.0 15.2 22.8

59 9.7 7.8 11.6



Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 112.659 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

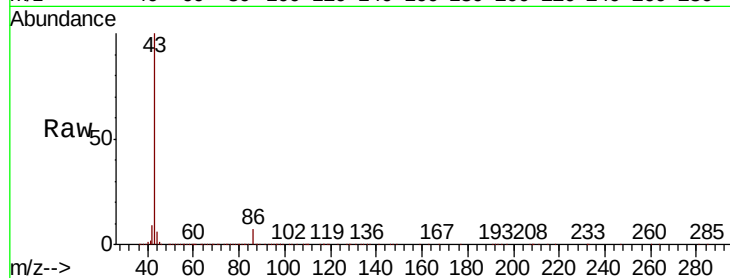
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1666166

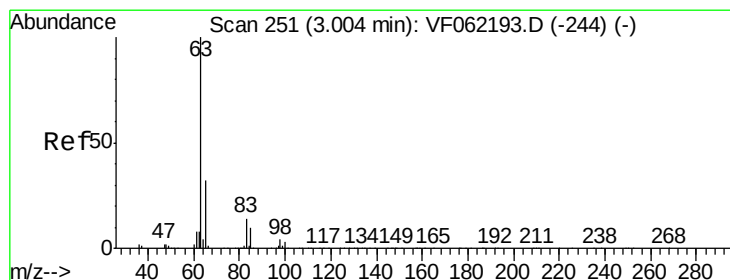
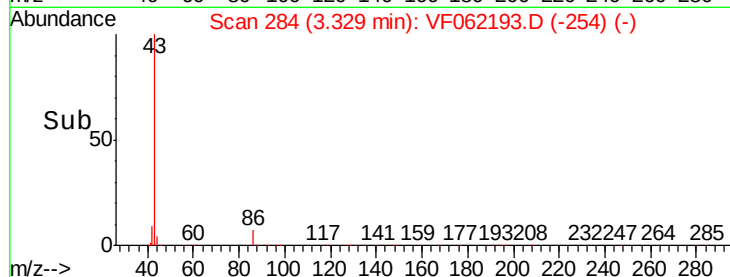
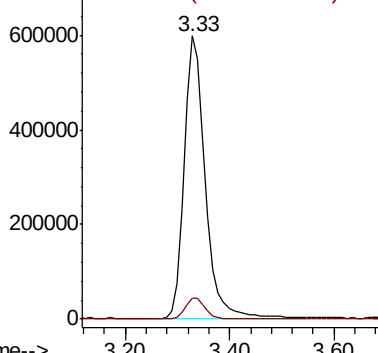
Ion Ratio Lower Upper

43 100

86 7.4 5.9 8.9



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



#24

1,1-Dichloroethane

Concen: 37.987 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

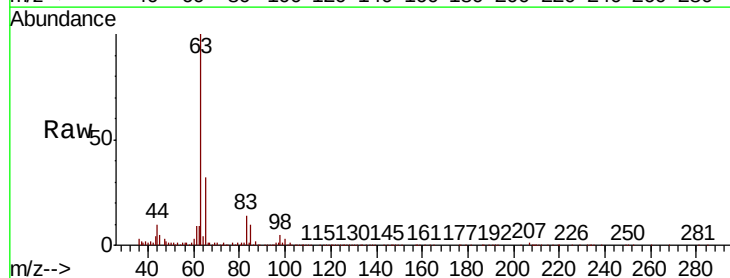
Tgt Ion: 63 Resp: 343509

Ion Ratio Lower Upper

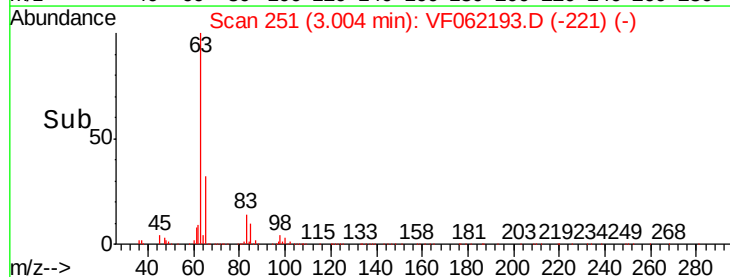
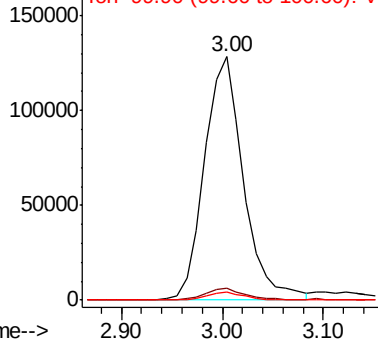
63 100

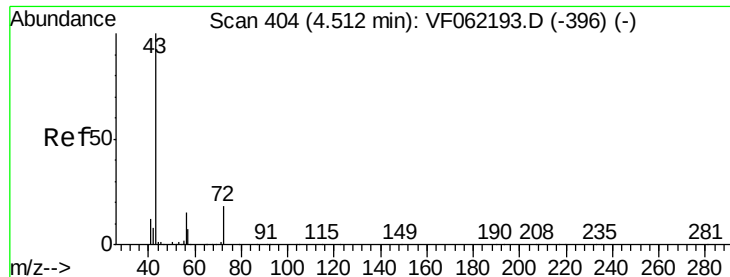
98 4.5 2.3 6.8

100 3.3 1.7 5.0



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





#25

2-Butanone

Concen: 102.252 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

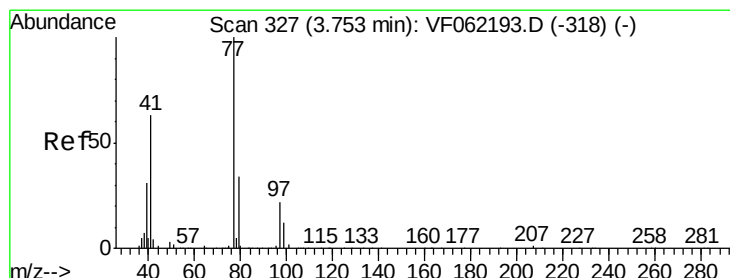
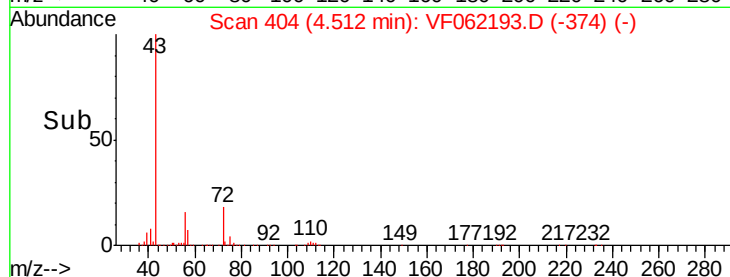
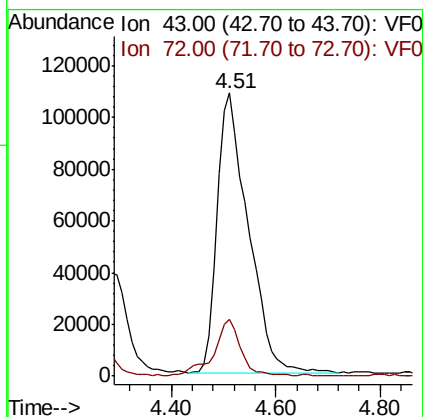
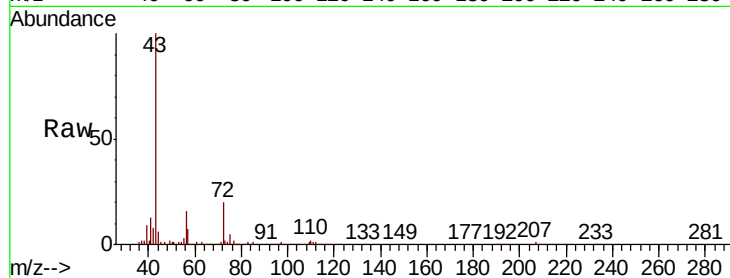
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 439643

Ion Ratio Lower Upper

43 100

72 20.1 16.1 24.1



#26

2,2-Dichloropropane

Concen: 26.261 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF062193.D

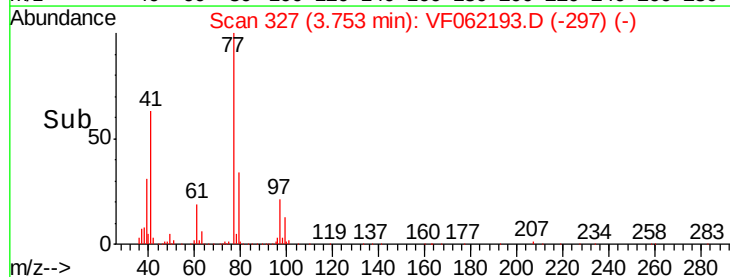
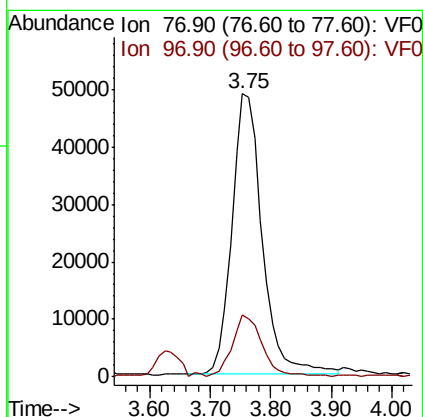
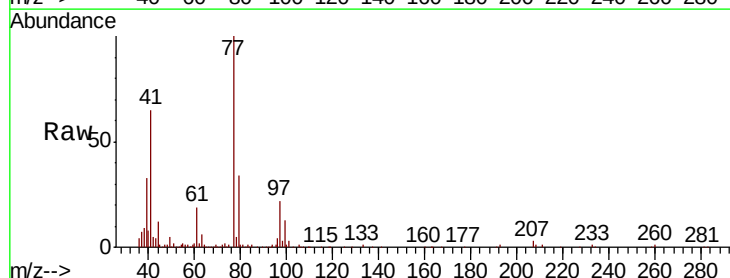
Acq: 17 Apr 2019 18:38

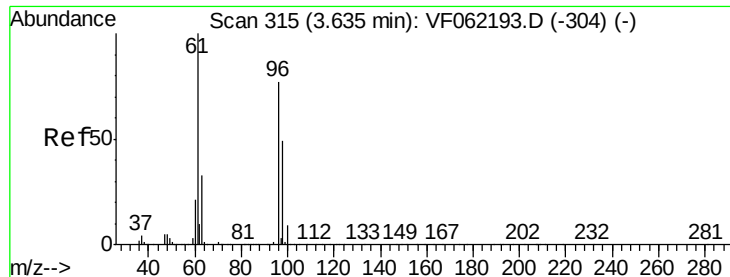
Tgt Ion: 77 Resp: 170017

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.3



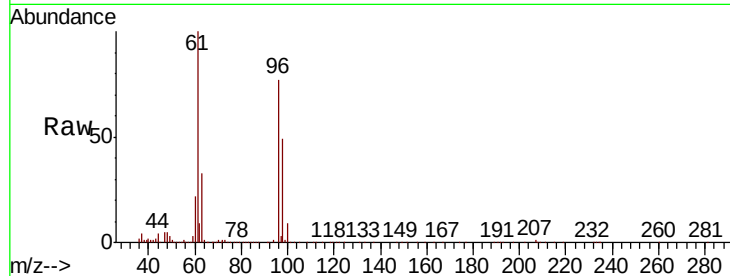


#27

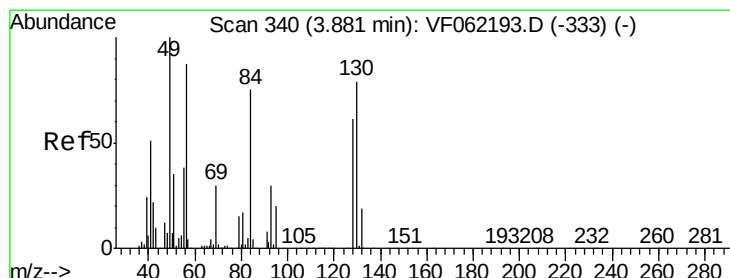
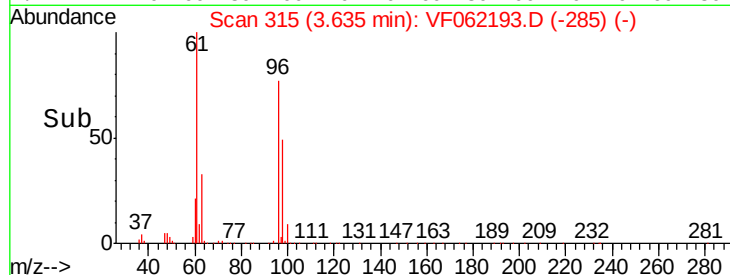
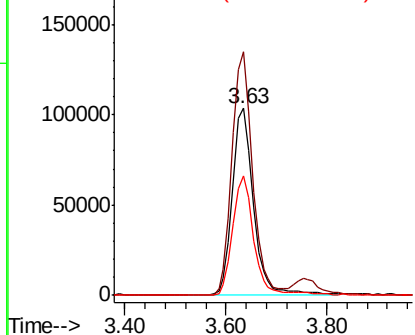
cis-1,2-Dichloroethene
Concen: 53.968 ug/l
RT: 3.63 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.8	0.0	253.6
98	62.4	0.0	124.8



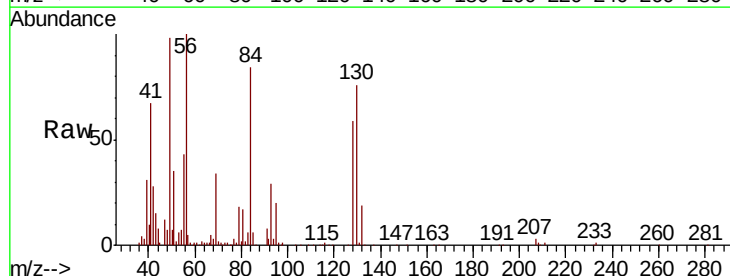
Abundance Ion 95.90 (95.60 to 96.60): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



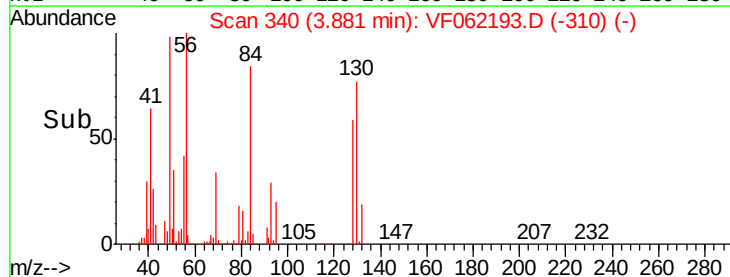
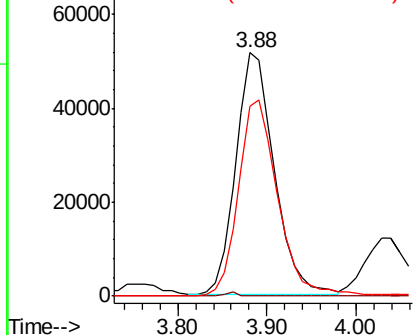
#28

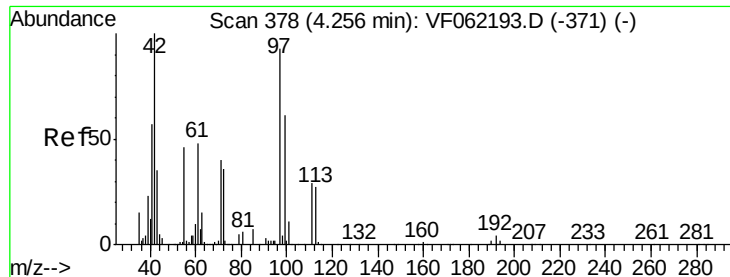
Bromochloromethane
Concen: 36.683 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	83.3	66.6	100.0



Abundance Ion 48.90 (48.60 to 49.60): VF0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 70.878 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

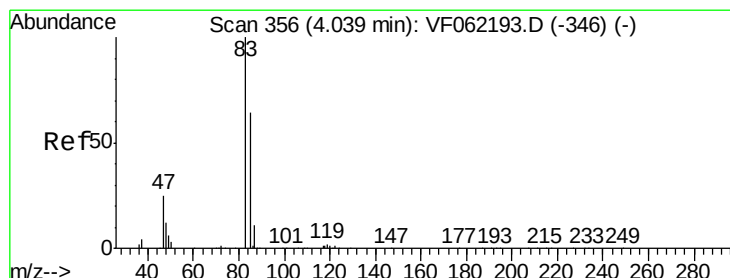
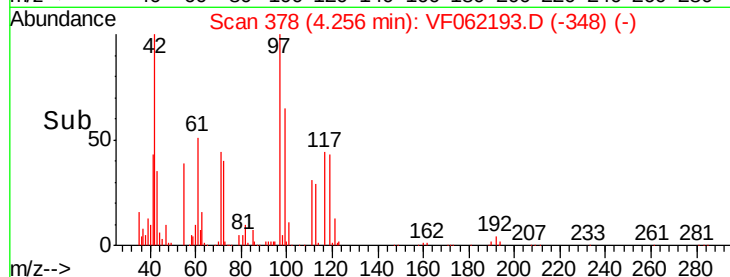
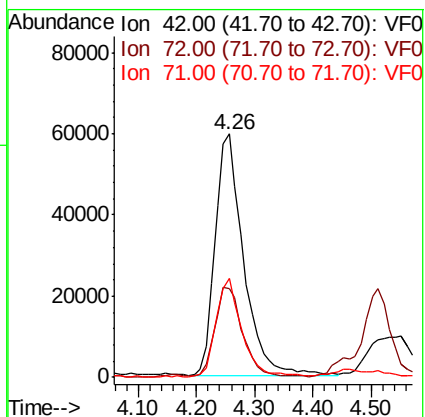
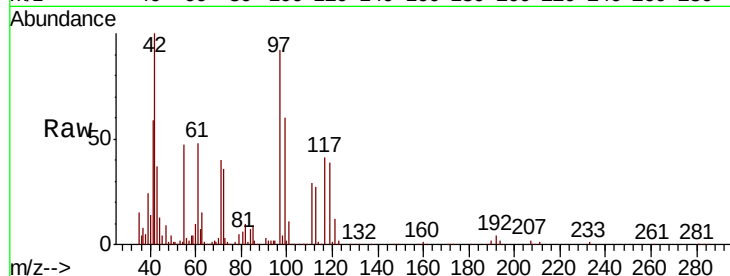
Tot Ion: 42 Resp: 200599

Ion Ratio Lower Upper

42 100

72 35.9 28.6 43.0

71 36.5 29.2 43.8



#30

Chloroform

Concen: 52.120 ug/l

RT: 4.04 min Scan# 356

Delta R.T. 0.00 min

Lab File: VF062193.D

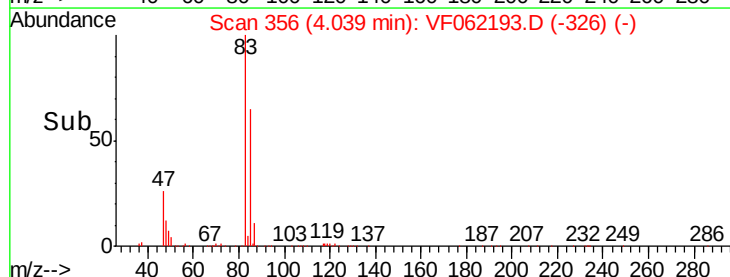
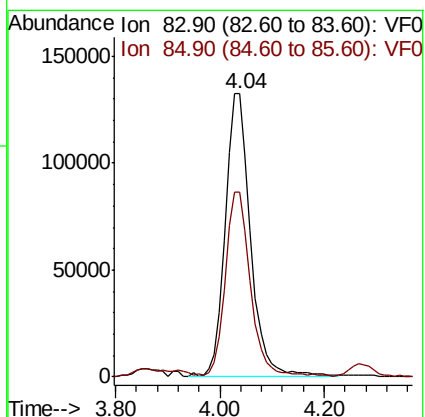
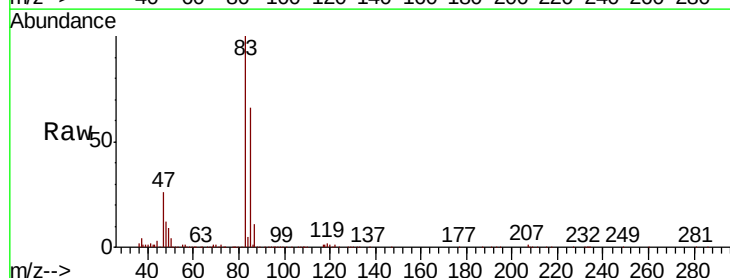
Acq: 17 Apr 2019 18:38

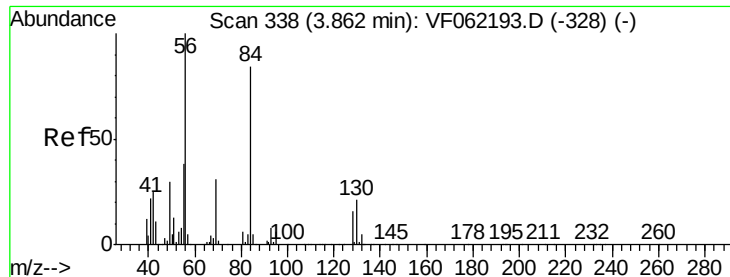
Tgt Ion: 83 Resp: 444941

Ion Ratio Lower Upper

83 100

85 64.8 51.8 77.8





#31

Cyclohexane

Concen: 46.567 ug/l

RT: 3.86 min Scan# 338

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :
MSVOA_F
ClientSampleId :

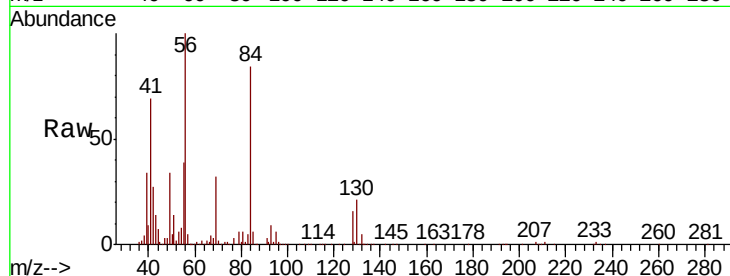
Tot Ion: 56 Resp: 427018

Ion Ratio Lower Upper

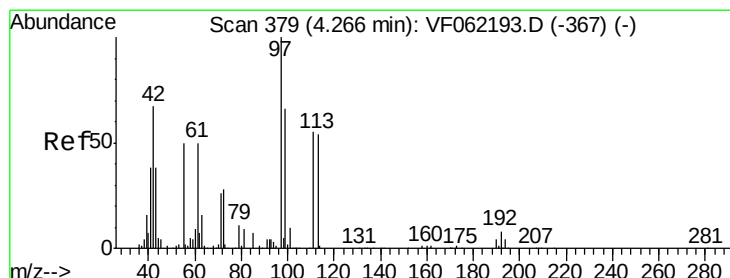
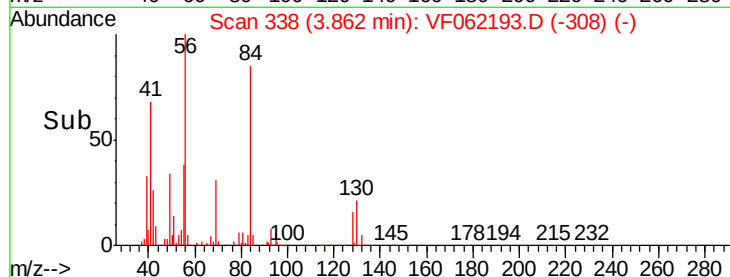
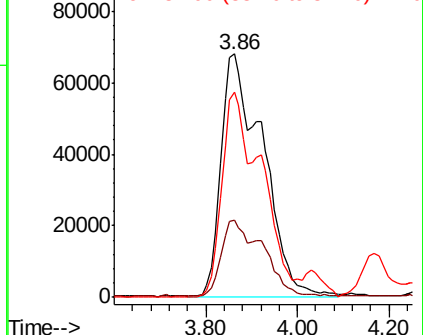
56 100

69 31.4 25.1 37.7

84 84.7 67.8 101.6



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 38.382 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

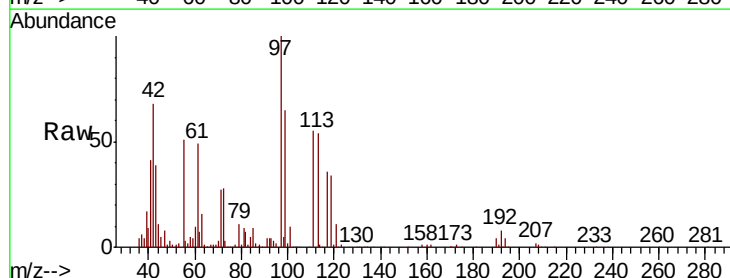
Tgt Ion: 97 Resp: 256498

Ion Ratio Lower Upper

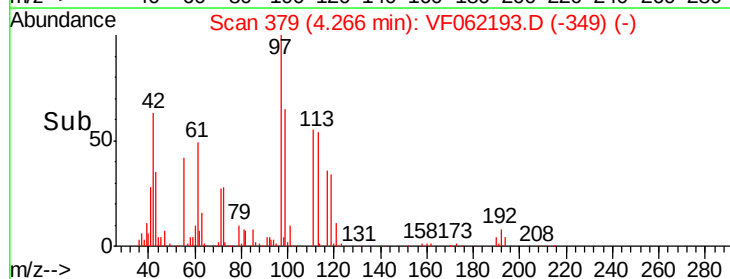
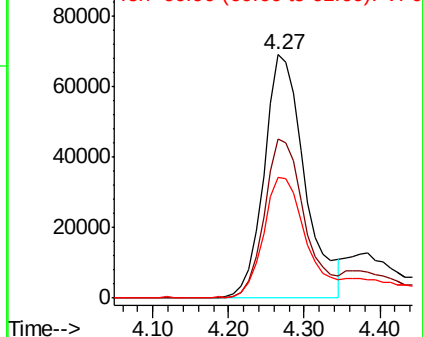
97 100

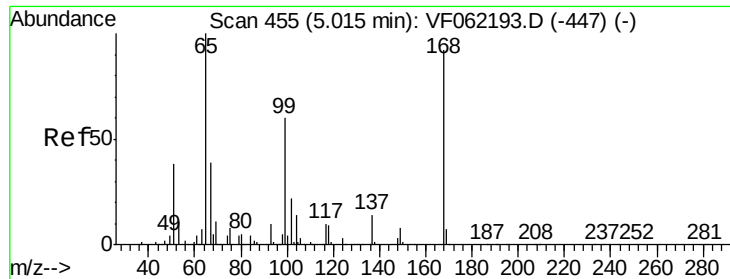
99 65.9 52.7 79.1

61 66.2 53.0 79.4



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





#33

1,2-Dichloroethane-d4

Concen: 35.627 ug/l

RT: 5.01 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

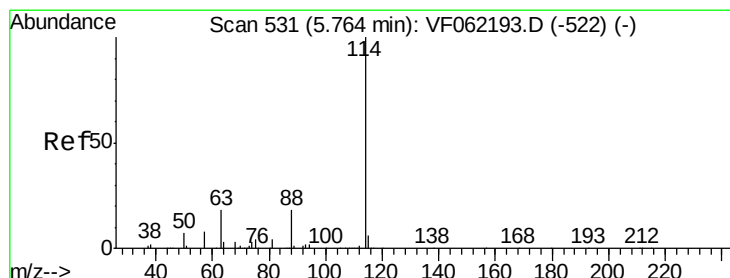
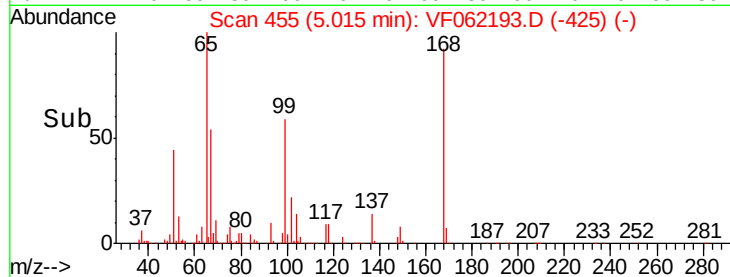
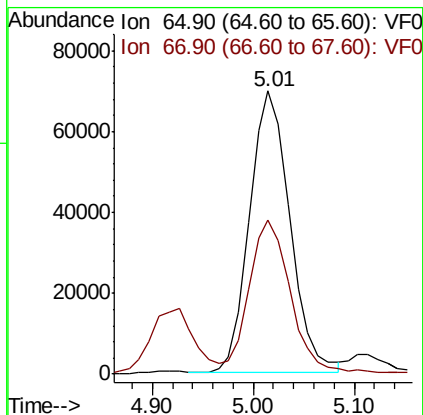
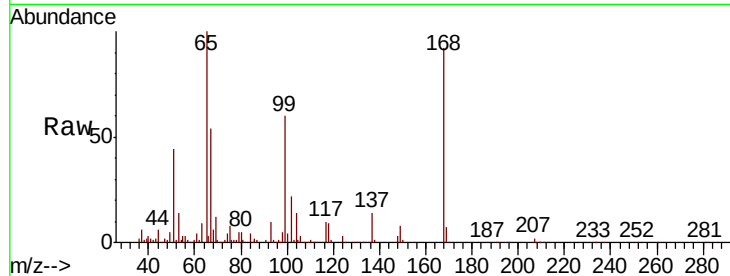
ClientSampleId :

Tot Ion: 65 Resp: 194617

Ion Ratio Lower Upper

65 100

67 54.7 0.0 109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

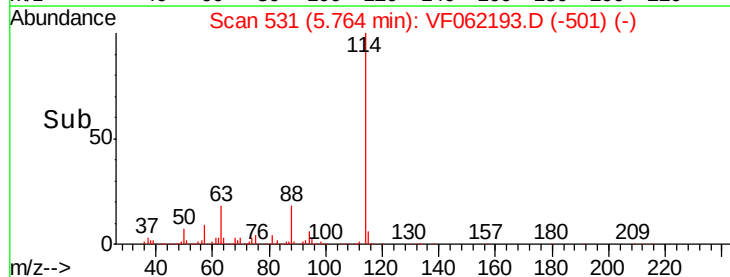
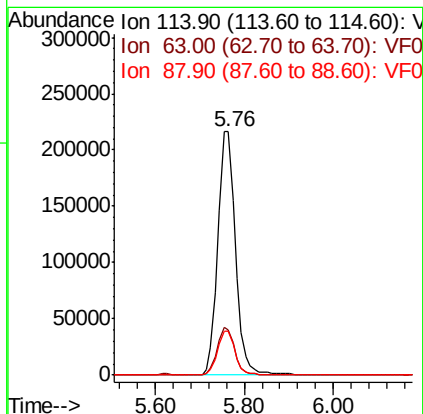
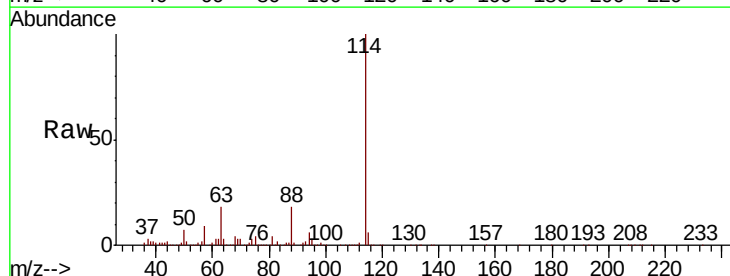
Tgt Ion: 114 Resp: 597159

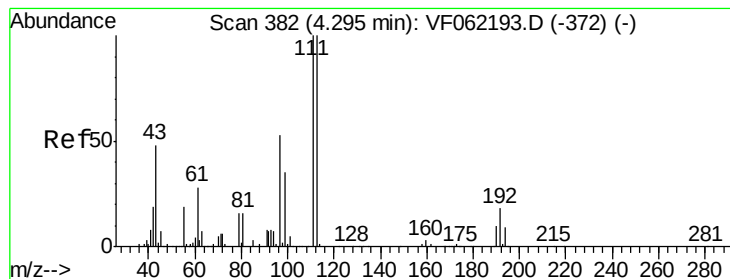
Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.6

88 17.9 0.0 35.8





#35

Dibromofluoromethane

Concen: 61.371 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

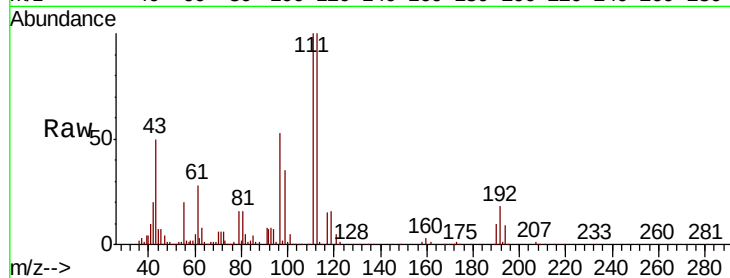
Tot Ion:113 Resp: 251336

Ion Ratio Lower Upper

113 100

111 101.4 81.1 121.7

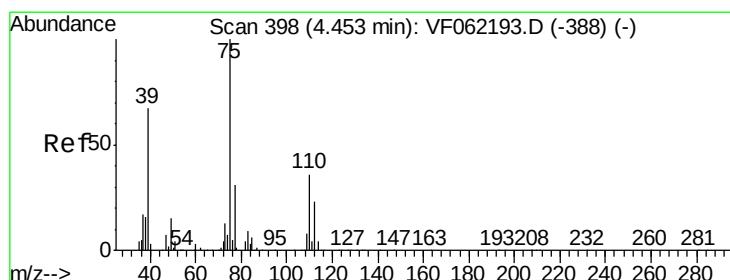
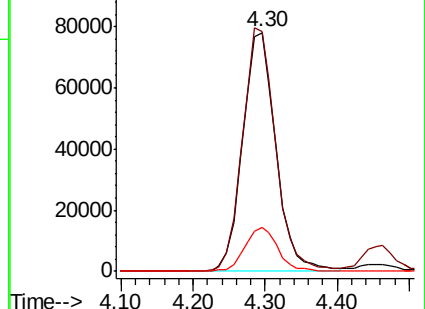
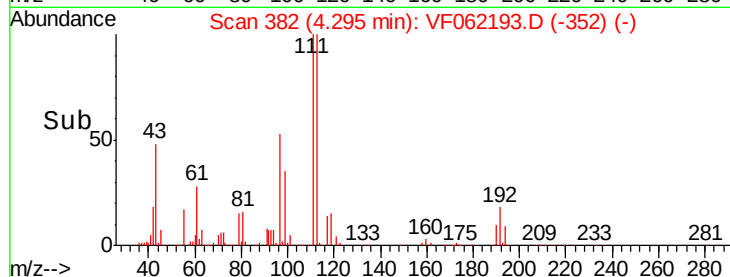
192 18.4 14.7 22.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 55.459 ug/l

RT: 4.45 min Scan# 398

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

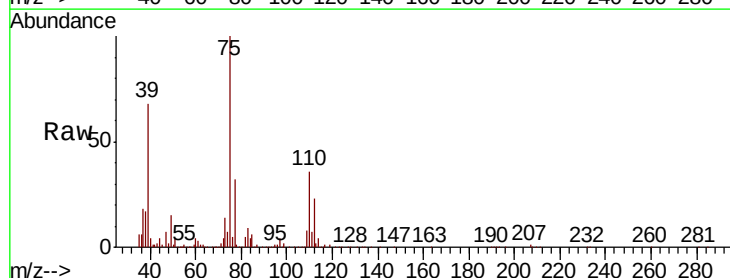
Tgt Ion: 75 Resp: 355060

Ion Ratio Lower Upper

75 100

110 36.8 18.4 55.2

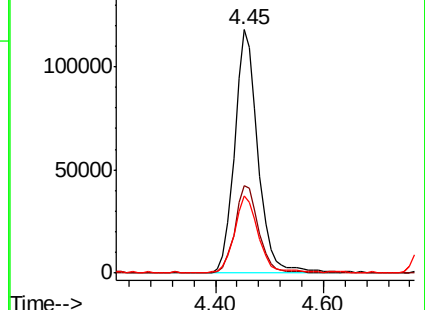
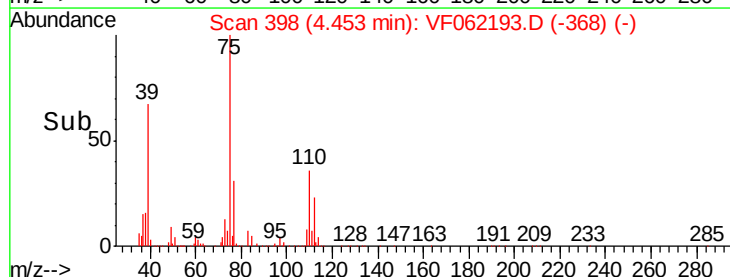
77 31.8 25.4 38.2

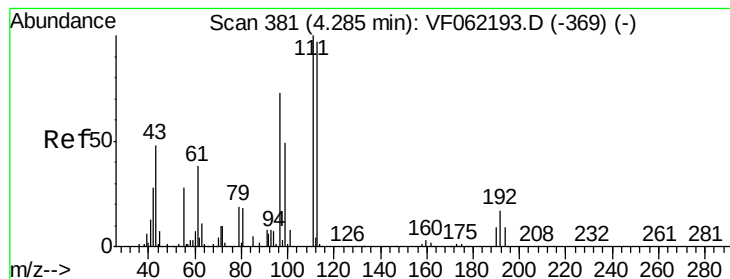


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VF0





#37

Ethyl Acetate

Concen: 22.777 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :
MSVOA_F
ClientSampleId :

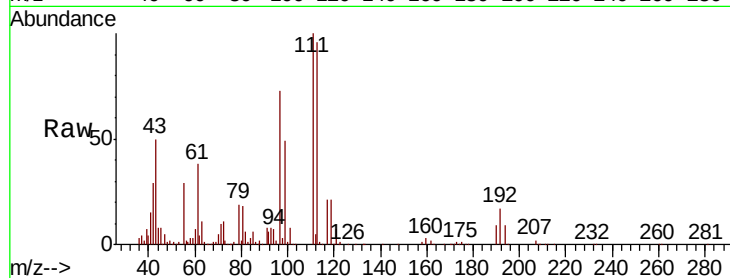
Tot Ion: 43 Resp: 163093

Ion Ratio Lower Upper

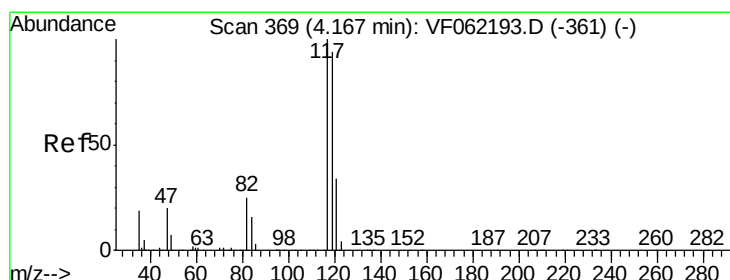
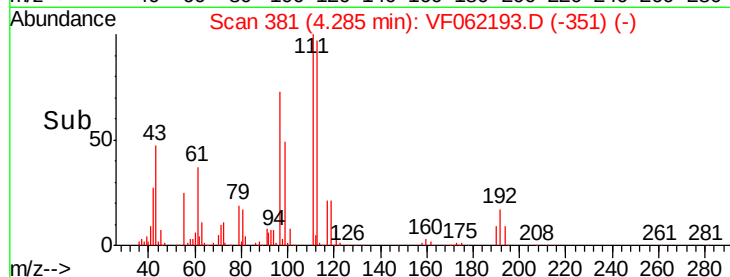
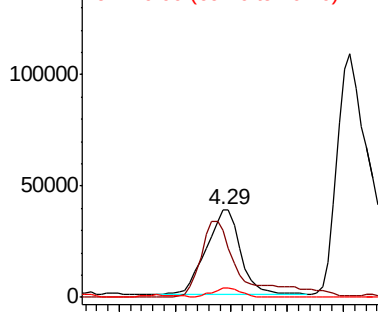
43 100

61 0.0 0.0 0.0

70 9.7 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: 53.863 ug/l

RT: 4.17 min Scan# 369

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

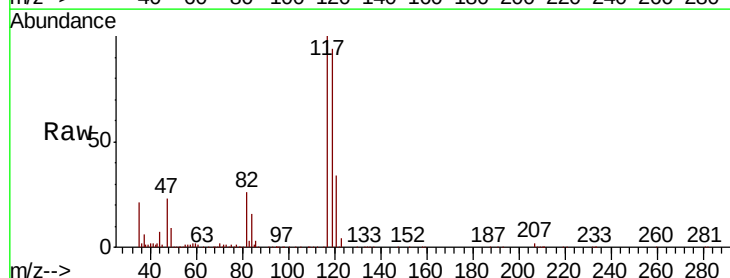
Tgt Ion: 117 Resp: 288133

Ion Ratio Lower Upper

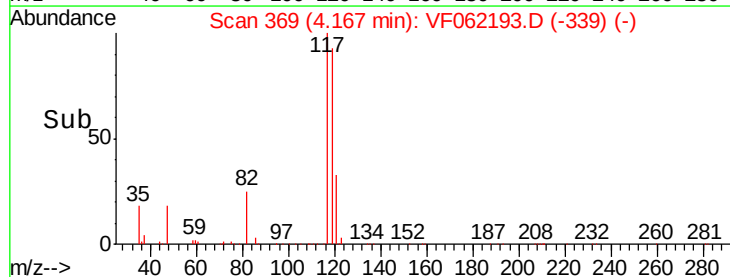
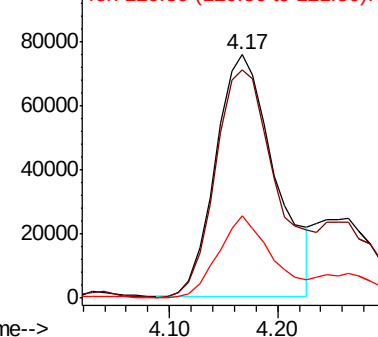
117 100

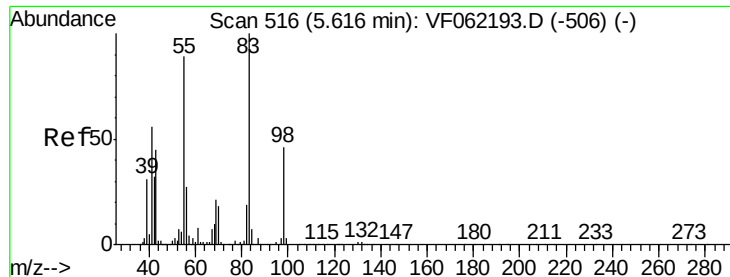
119 93.7 75.0 112.4

121 33.6 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

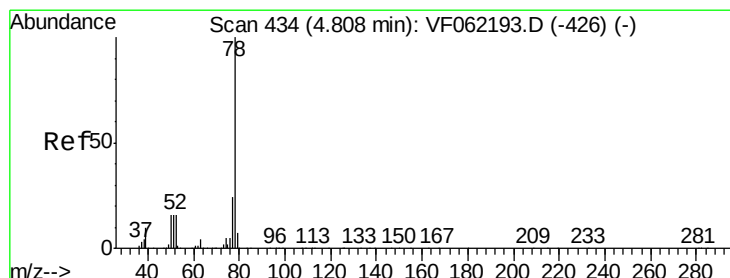
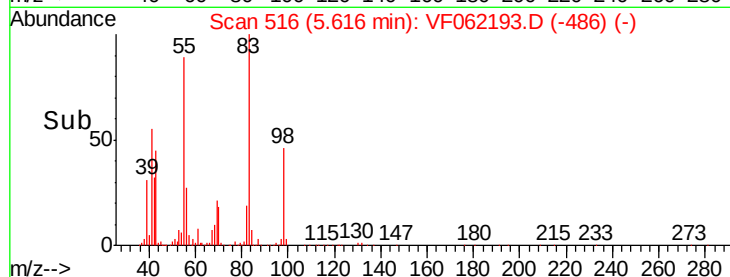
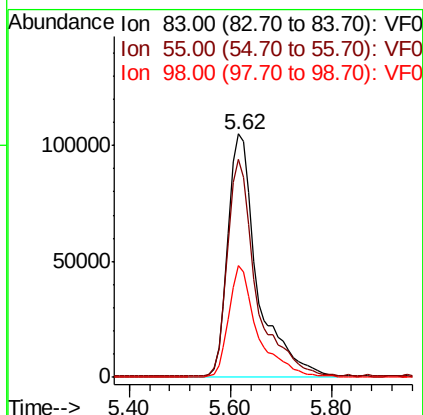
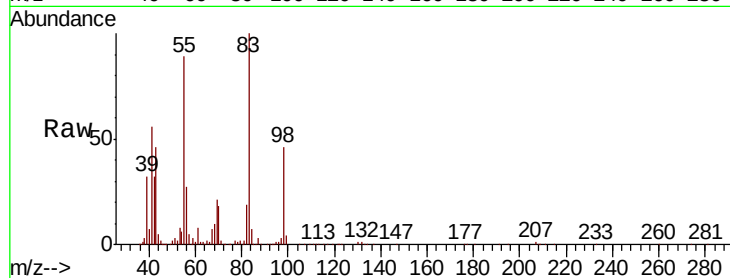




#39
Methylvlcyclohexane
Concen: 54.906 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

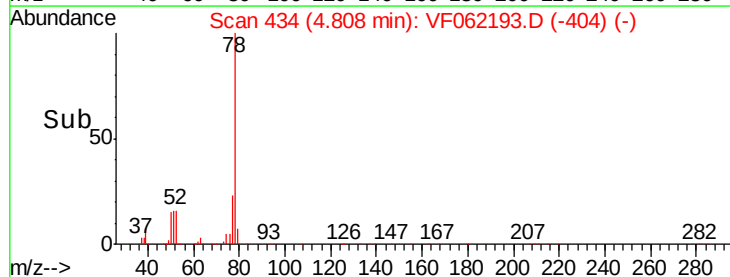
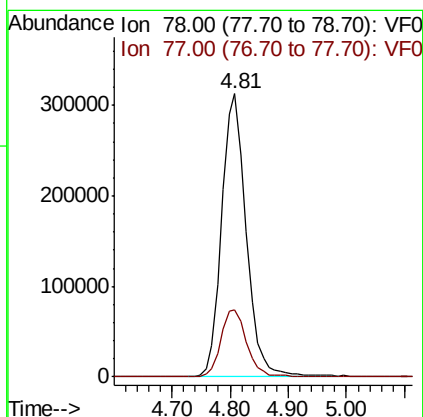
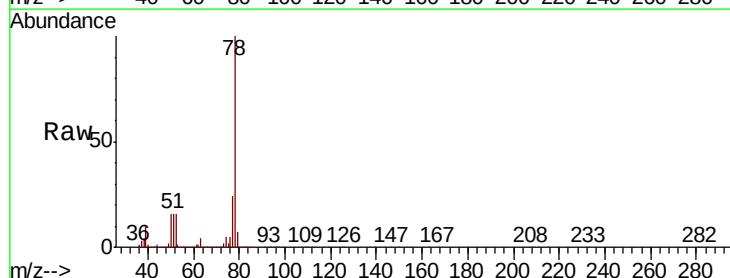
Instrument :
MSVOA_F
ClientSampleId :

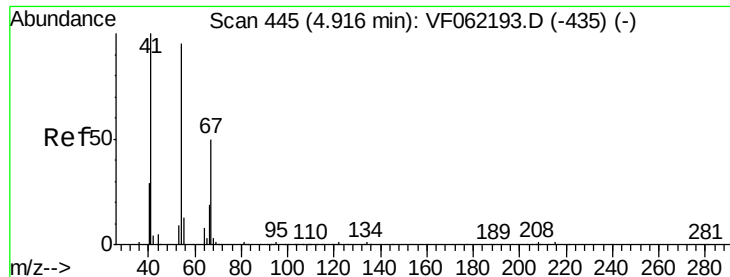
Tot Ion: 83 Resp: 424479
Ion Ratio Lower Upper
83 100
55 88.8 71.0 106.6
98 45.9 36.7 55.1



#40
Benzene
Concen: 49.756 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion: 78 Resp: 913513
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3

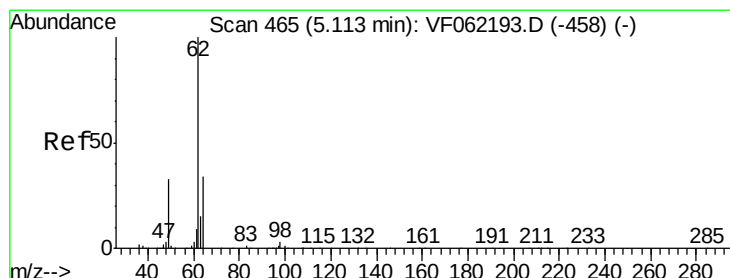
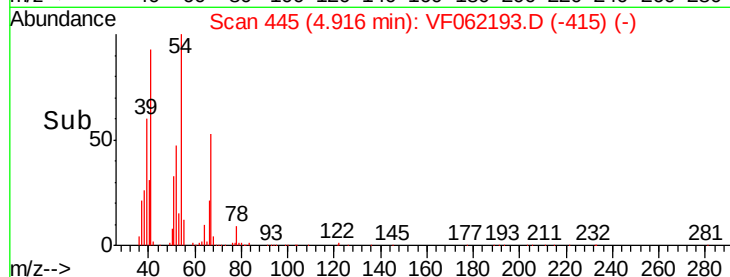
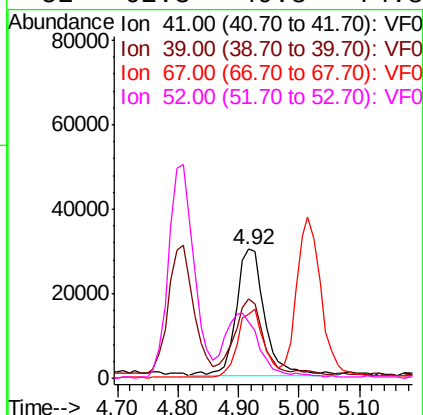
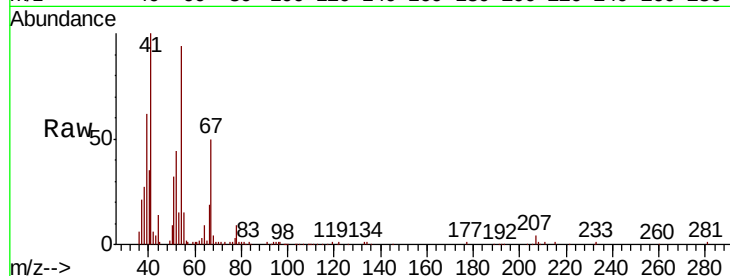




#41
Methacrylonitrile
Concen: 23.659 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

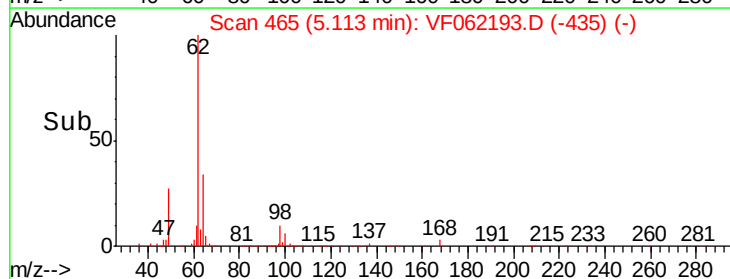
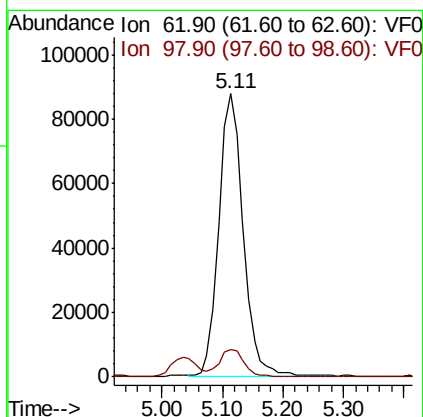
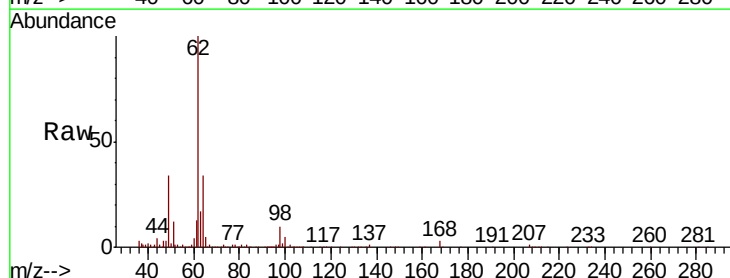
Instrument :
MSVOA_F
ClientSampled :

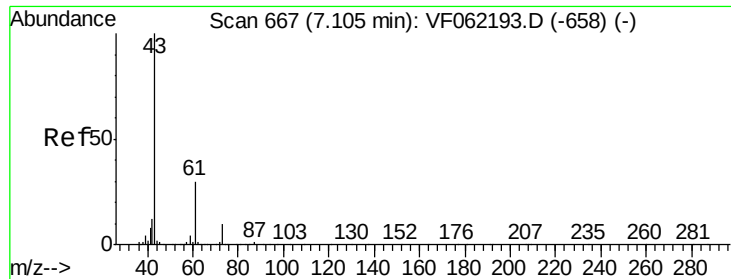
Tot Ion:	41	Resp:	97964
Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.7	67.1
67	48.9	39.1	58.7
52	62.3	49.8	74.8



#42
1,2-Dichloroethane
Concen: 39.111 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion:	62	Resp:	244463
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.0

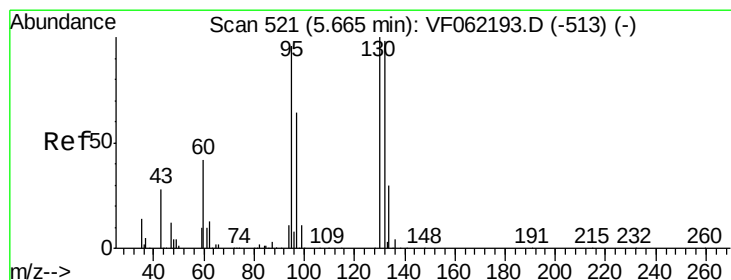
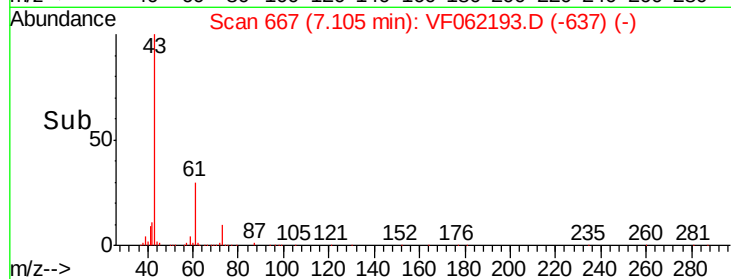
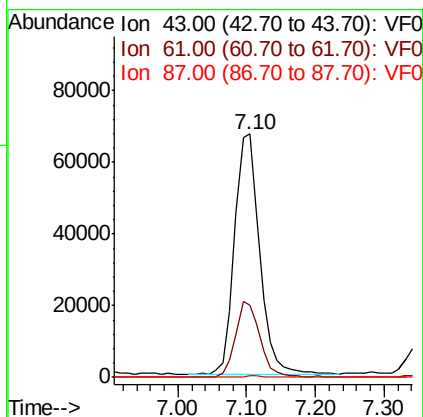
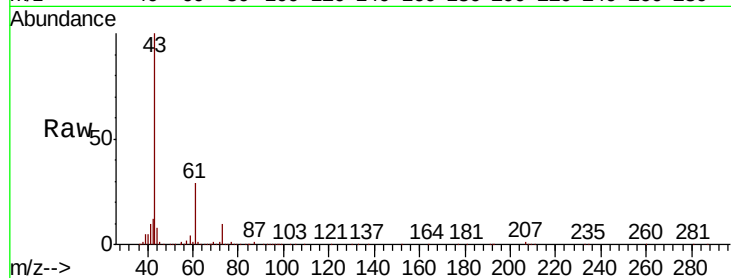




#43
Isopropyl Acetate
Concen: 15.113 ug/l
RT: 7.10 min Scan# 667
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

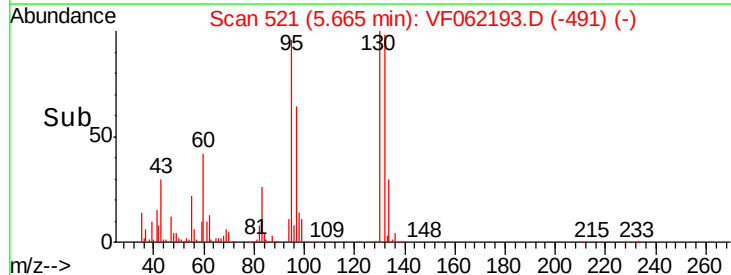
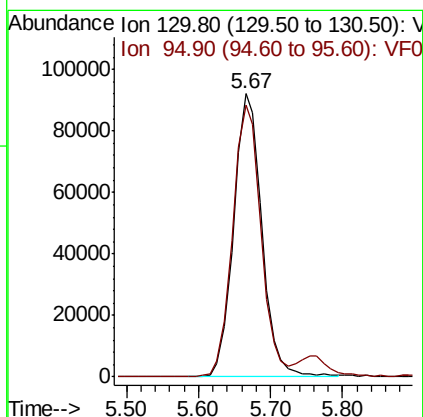
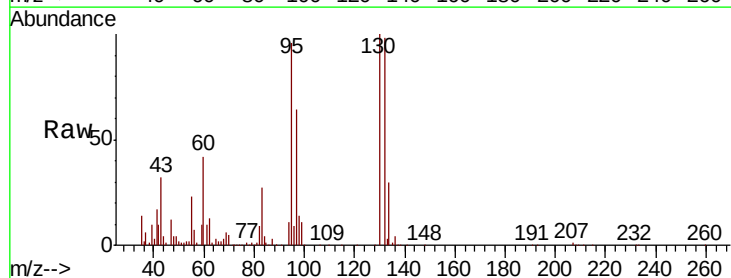
Instrument :
MSVOA_F
ClientSampleId :

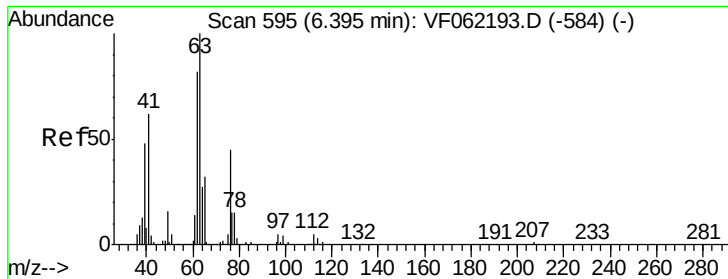
Tot Ion: 43 Resp: 170491
Ion Ratio Lower Upper
43 100
61 30.5 24.4 36.6
87 0.5 0.4 0.6



#44
Trichloroethene
Concen: 54.677 ug/l
RT: 5.67 min Scan# 521
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion:130 Resp: 251830
Ion Ratio Lower Upper
130 100
95 95.7 0.0 191.4





#45

1,2-Dichloropropane

Concen: 41.000 ug/l

RT: 6.39 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

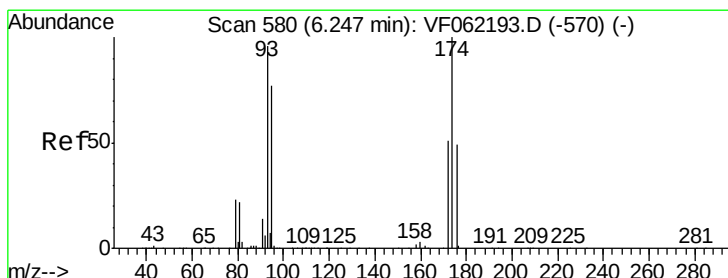
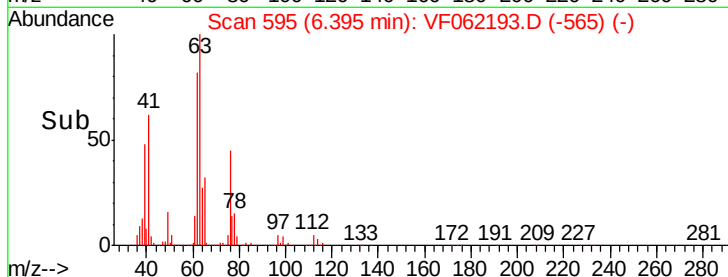
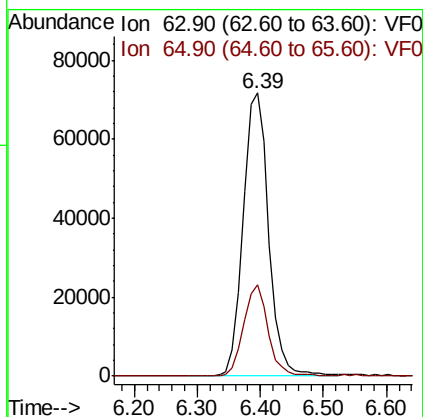
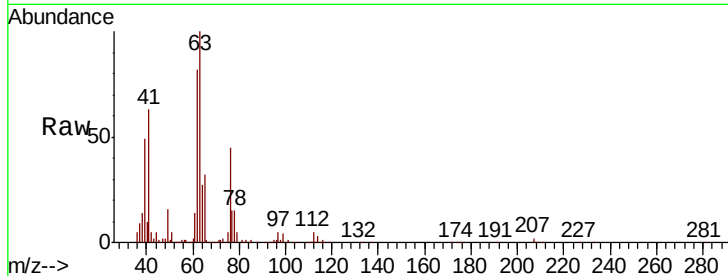
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 201280

Ion Ratio Lower Upper

63 100

65 32.4 25.9 38.9



#46

Dibromomethane

Concen: 47.726 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

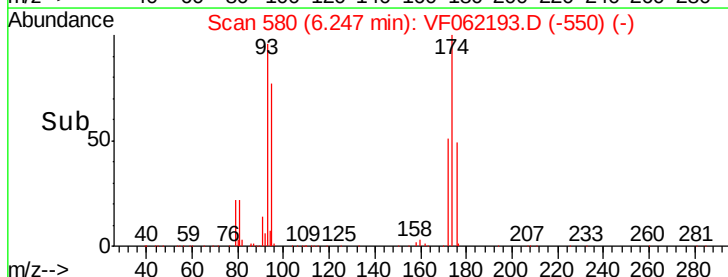
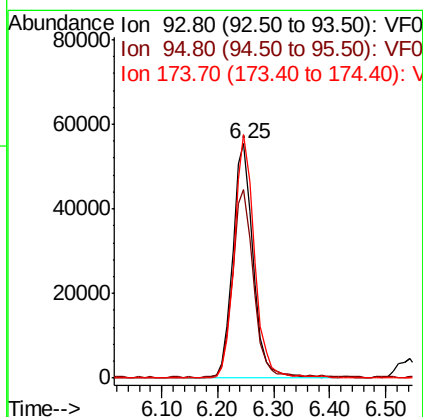
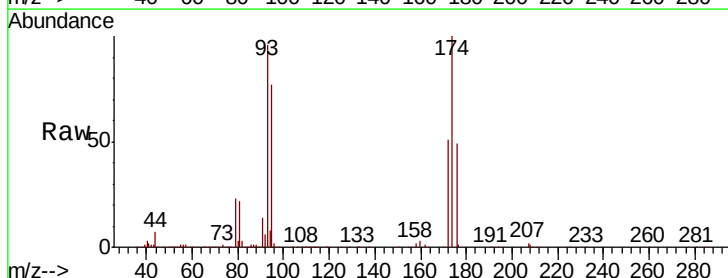
Tgt Ion: 93 Resp: 140441

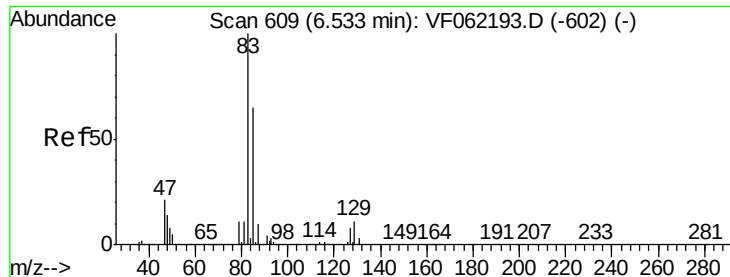
Ion Ratio Lower Upper

93 100

95 81.4 65.1 97.7

174 102.2 81.8 122.6





#47

Bromodichloromethane

Concen: 51.871 ug/l

RT: 6.53 min Scan# 609

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :
MSVOA_F
ClientSampleId :

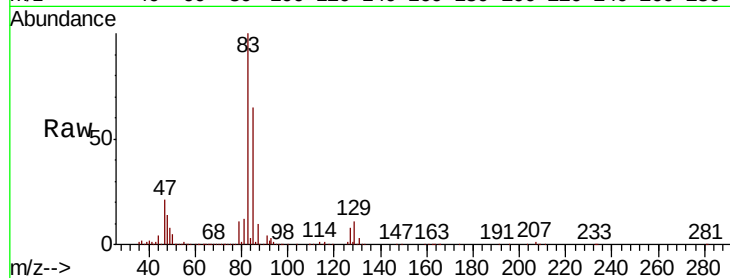
Tot Ion: 83 Resp: 302974

Ion Ratio Lower Upper

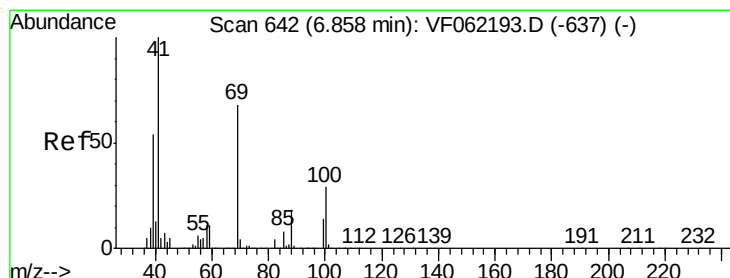
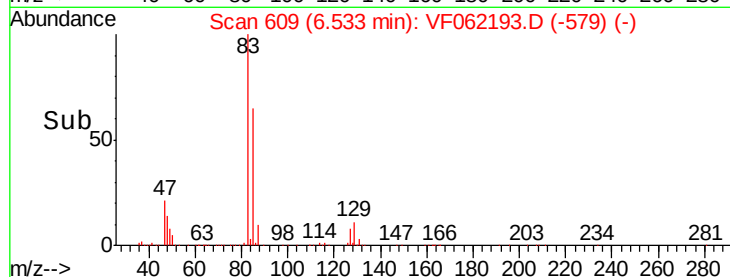
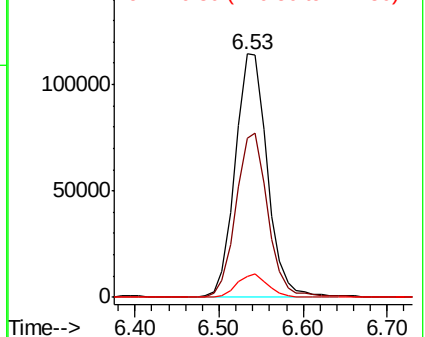
83 100

85 65.3 52.2 78.4

127 8.4 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: 19.997 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

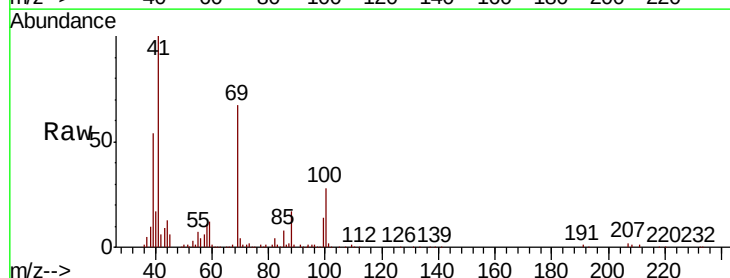
Tgt Ion: 41 Resp: 113192

Ion Ratio Lower Upper

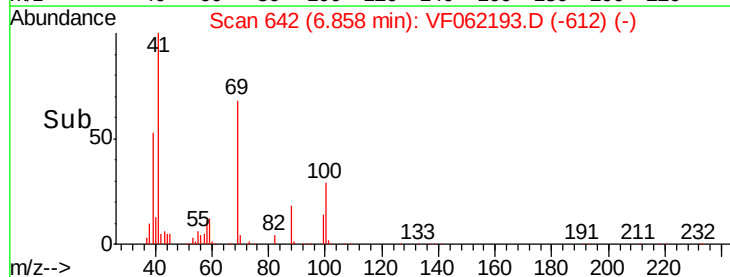
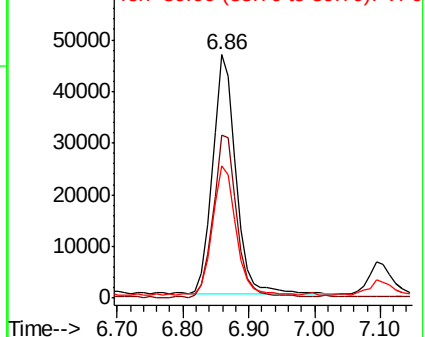
41 100

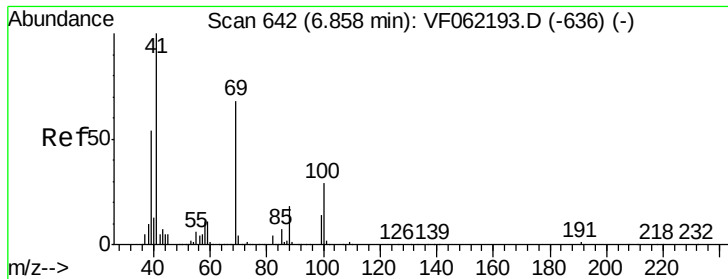
69 68.6 54.9 82.3

39 54.5 43.6 65.4



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

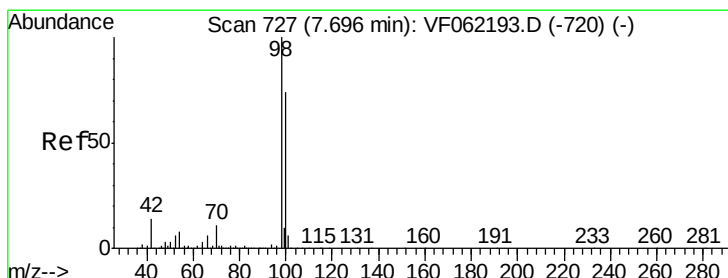
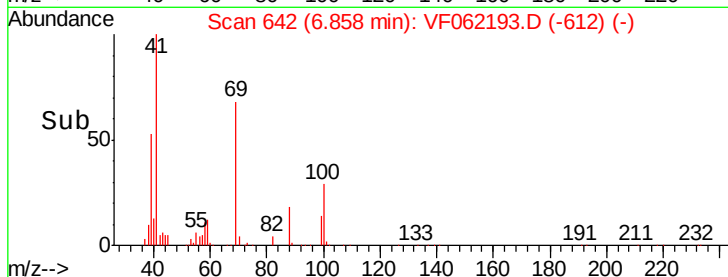
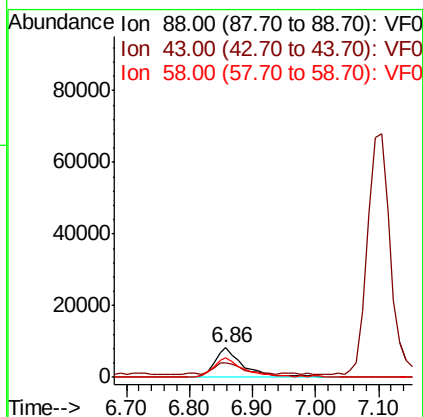
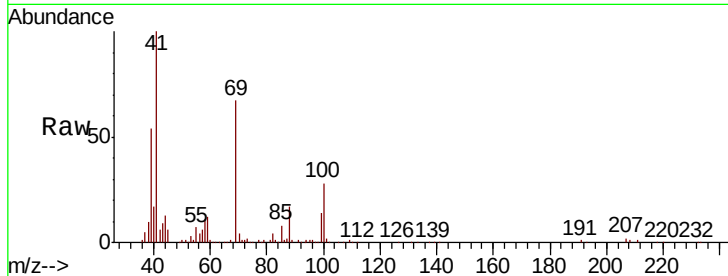




#49
1,4-Dioxane
Concen: 248.263 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

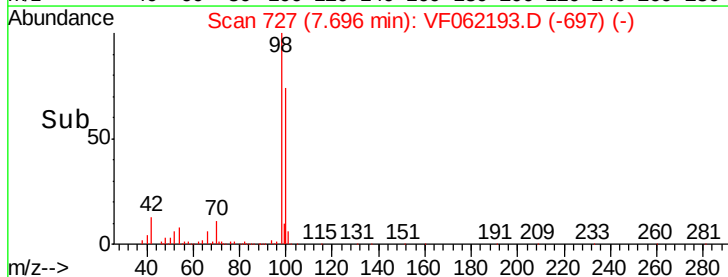
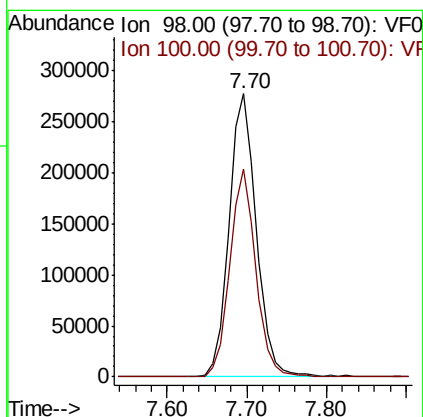
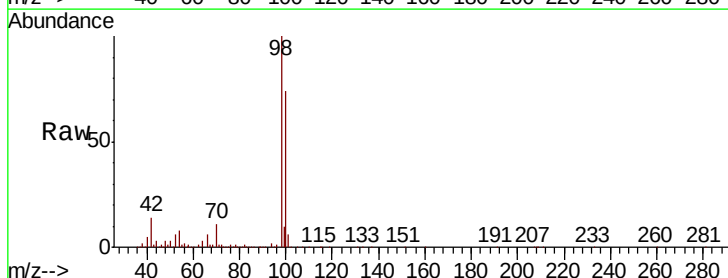
Instrument :
MSVOA_F
ClientSampleId :

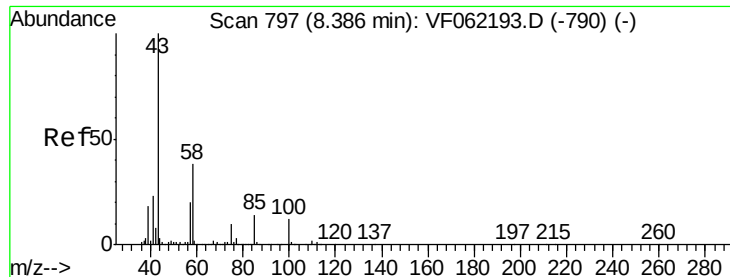
Tot Ion: 88 Resp: 26047
Ion Ratio Lower Upper
88 100
43 46.1 36.9 55.3
58 71.0 56.8 85.2



#50
Toluene-d8
Concen: 44.532 ug/l
RT: 7.70 min Scan# 727
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion: 98 Resp: 664900
Ion Ratio Lower Upper
98 100
100 70.2 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 88.247 ug/l

RT: 8.39 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

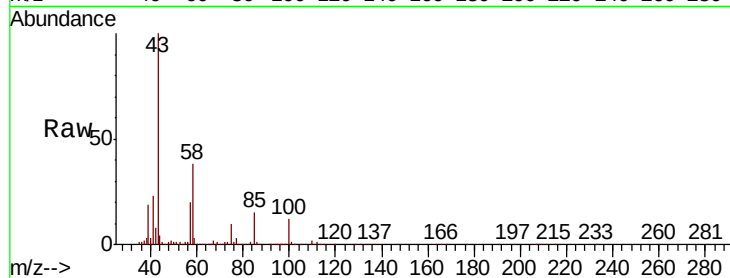
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 639654

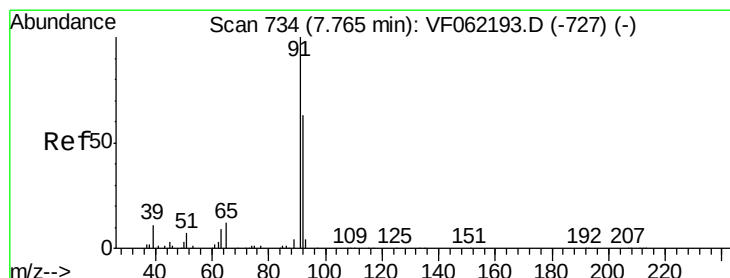
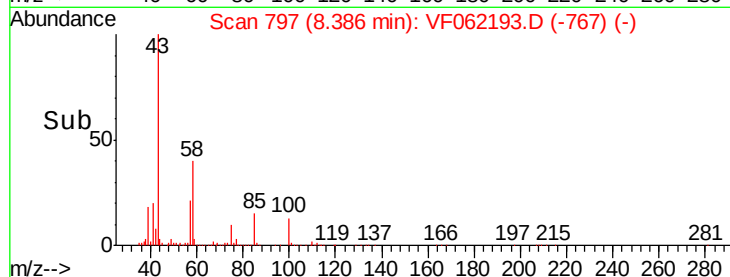
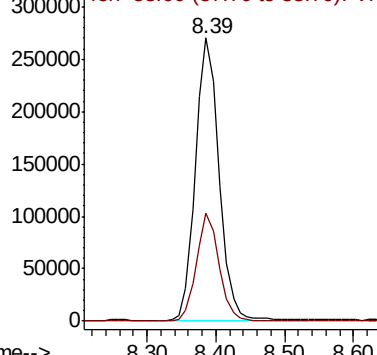
Ion Ratio Lower Upper

43 100

58 36.6 29.3 43.9



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



#52

Toluene

Concen: 46.038 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF062193.D

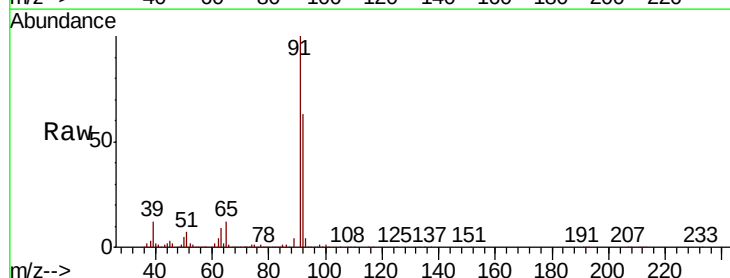
Acq: 17 Apr 2019 18:38

Tgt Ion: 92 Resp: 499316

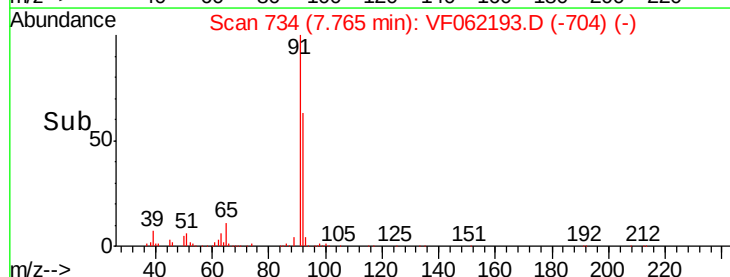
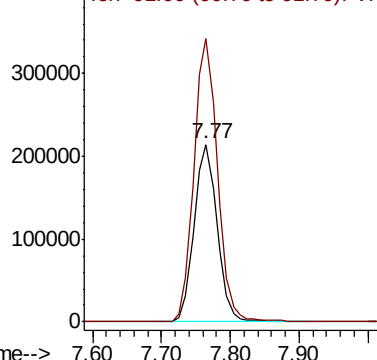
Ion Ratio Lower Upper

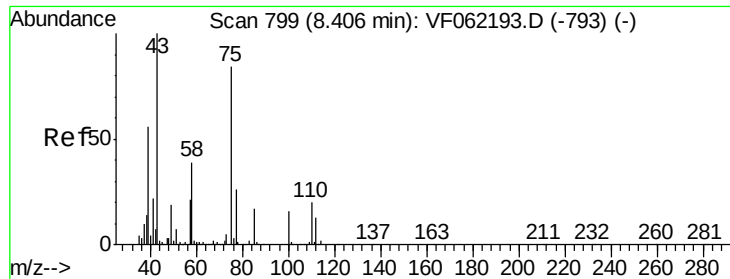
92 100

91 162.6 130.1 195.1



Abundance Ion 92.00 (91.70 to 92.70): VF0
Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 36.816 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

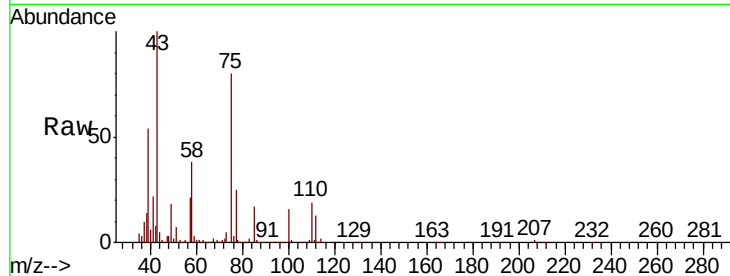
ClientSampleId :

Tot Ion: 75 Resp: 231353

Ion Ratio Lower Upper

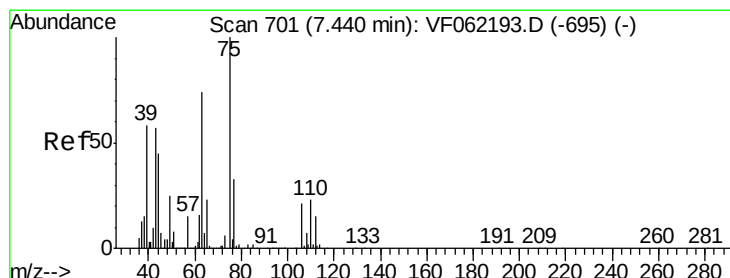
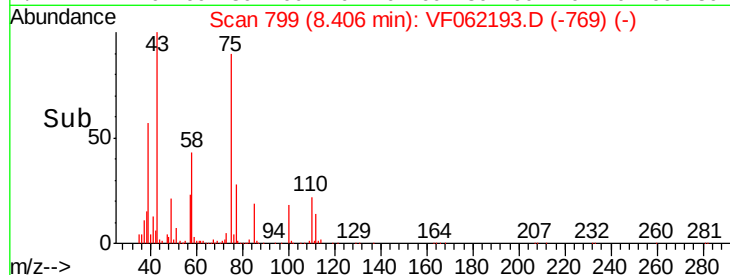
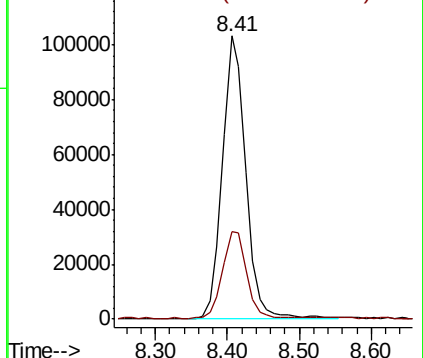
75 100

77 30.7 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0



#54

cis-1,3-Dichloropropene

Concen: 42.804 ug/l

RT: 7.44 min Scan# 701

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

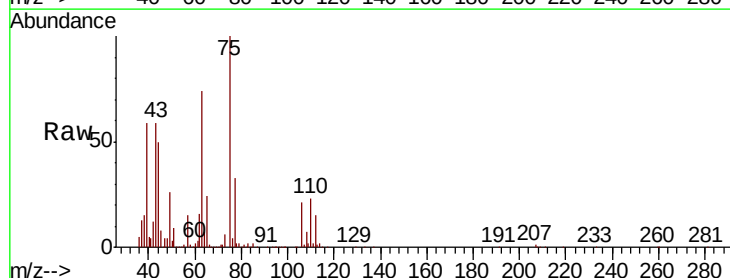
Tgt Ion: 75 Resp: 309932

Ion Ratio Lower Upper

75 100

77 33.0 26.4 39.6

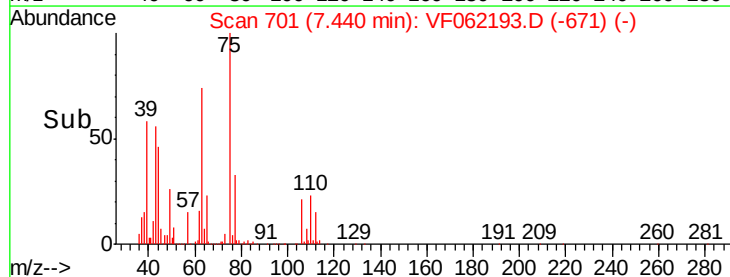
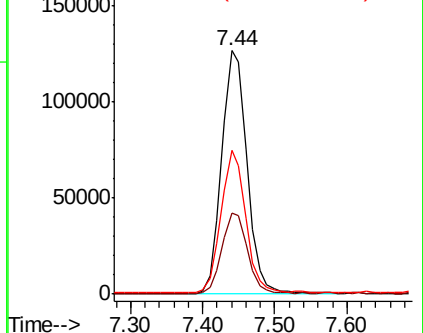
39 58.4 46.7 70.1

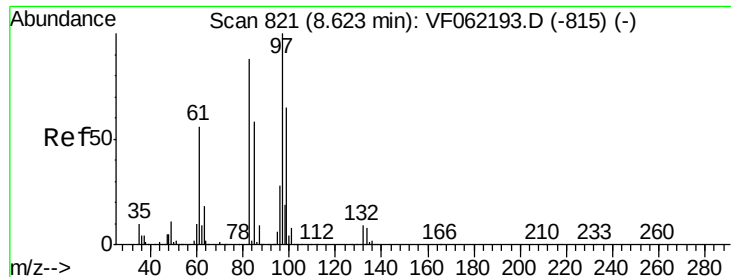


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 33.475 ug/l

RT: 8.62 min Scan# 821

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

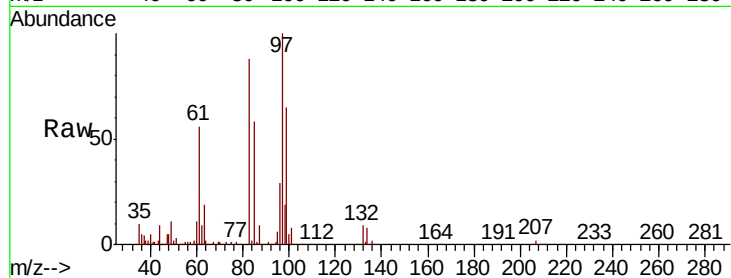
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 136826

Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.2	105.2
85	57.8	46.2	69.4
99	65.3	52.2	78.4



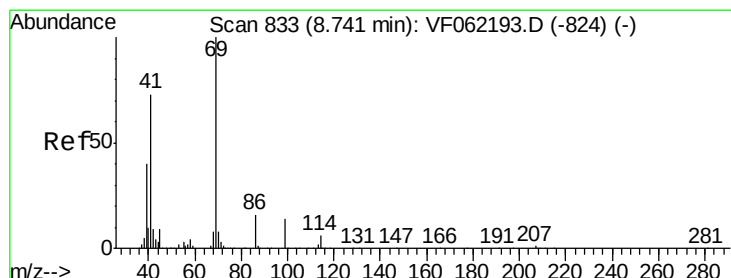
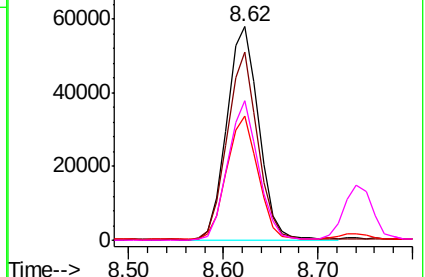
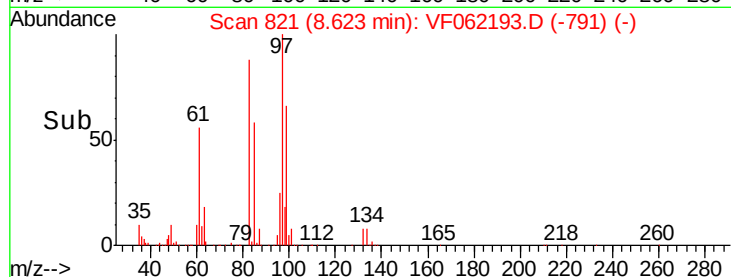
Abundance

Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#56

Ethyl methacrylate

Concen: 21.645 ug/l

RT: 8.74 min Scan# 833

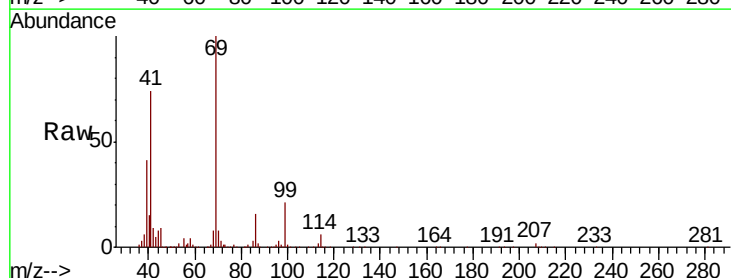
Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Tgt Ion: 69 Resp: 151074

Ion	Ratio	Lower	Upper
69	100		
41	76.9	61.5	92.3
39	41.6	33.3	49.9

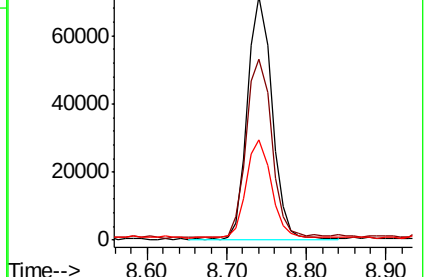
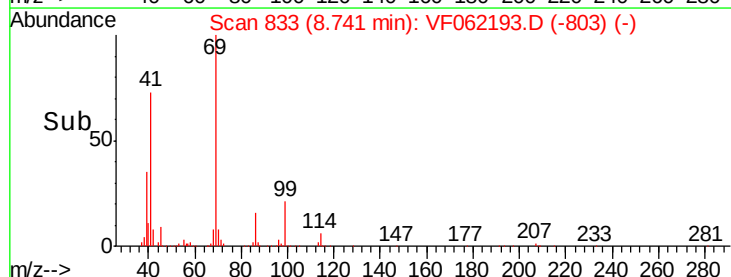


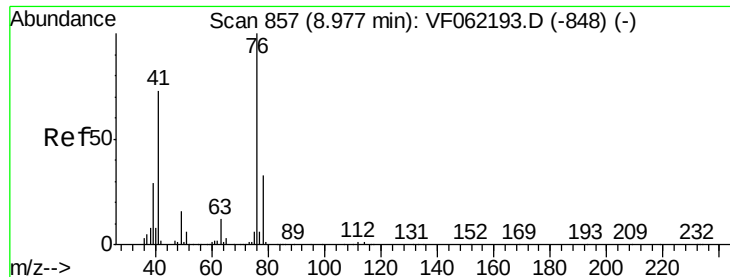
Abundance

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: 30.677 ug/l

RT: 8.98 min Scan# 857

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

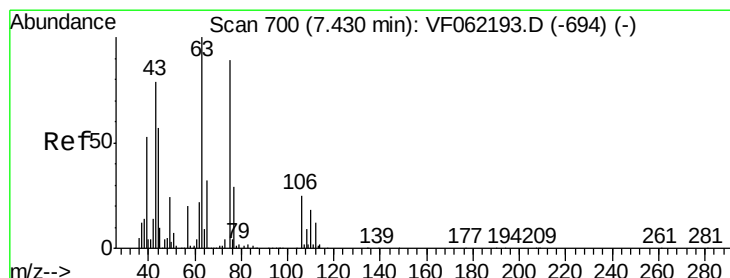
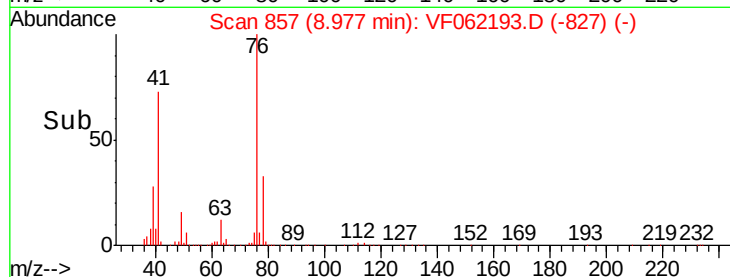
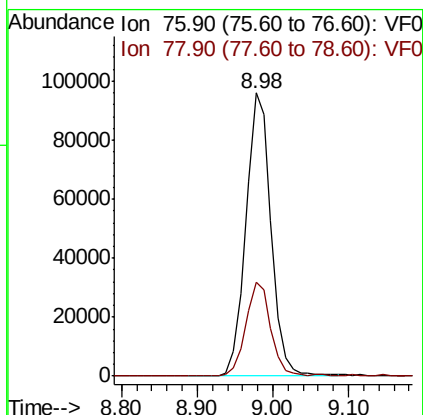
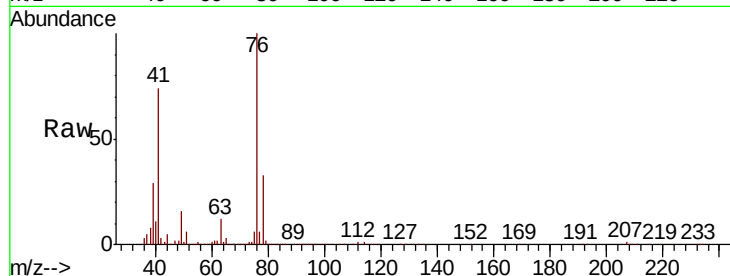
ClientSampleId :

Tot Ion: 76 Resp: 220968

Ion Ratio Lower Upper

76 100

78 33.1 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 63.999 ug/l

RT: 7.43 min Scan# 700

Delta R.T. 0.00 min

Lab File: VF062193.D

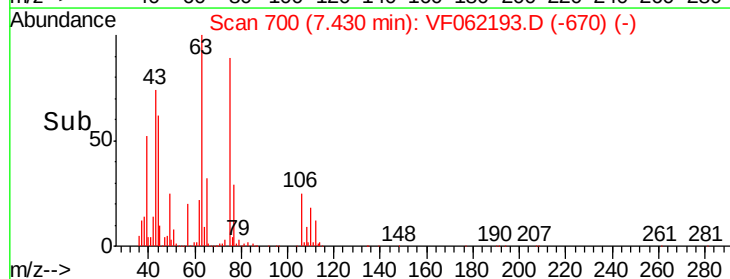
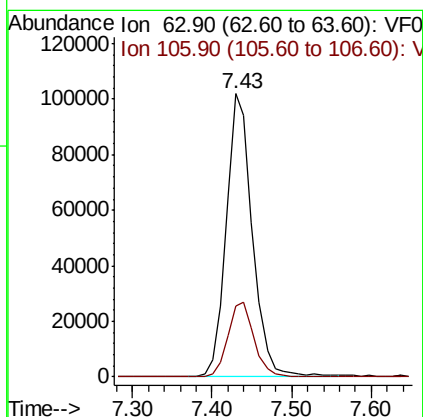
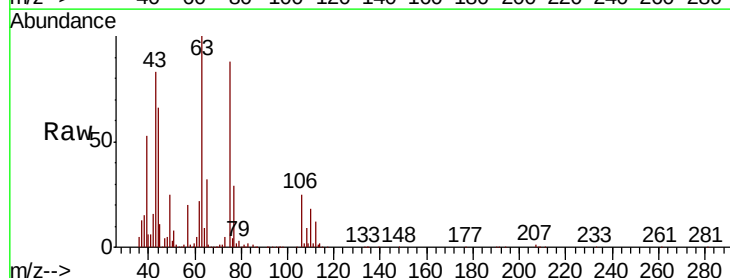
Acq: 17 Apr 2019 18:38

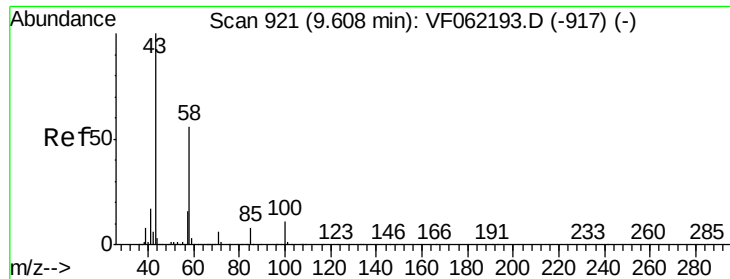
Tgt Ion: 63 Resp: 233236

Ion Ratio Lower Upper

63 100

106 26.7 21.4 32.0

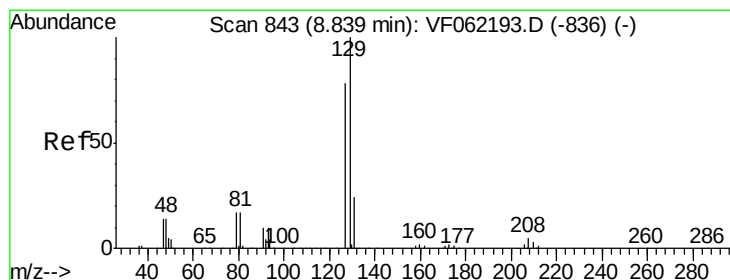
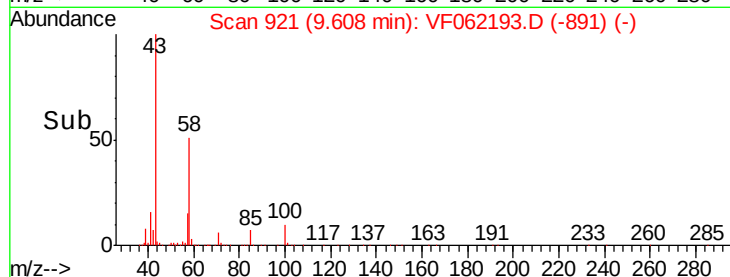
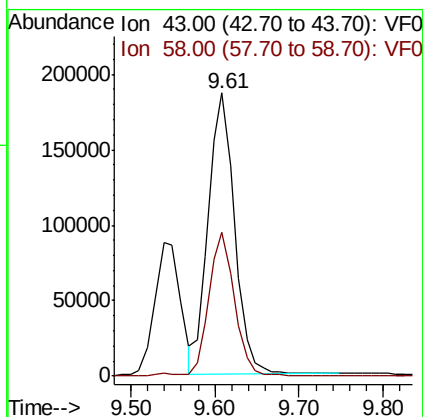
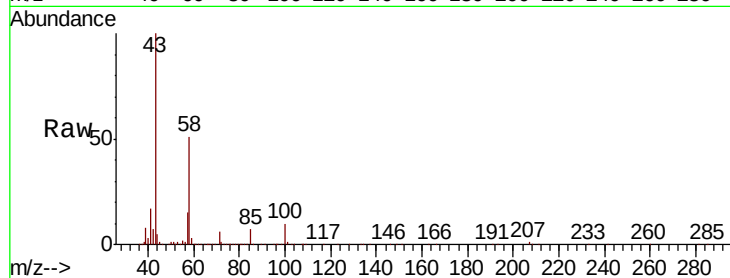




#59
2-Hexanone
Concen: 73.245 ug/l
RT: 9.61 min Scan# 921
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

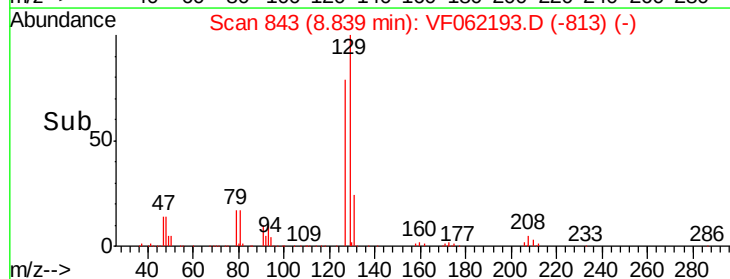
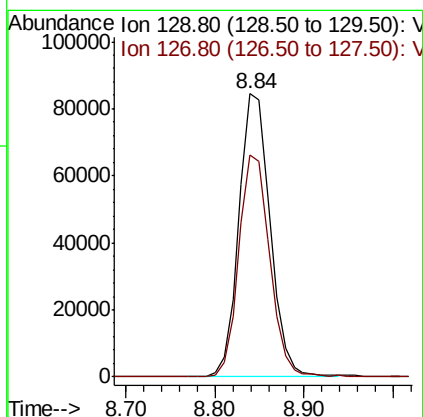
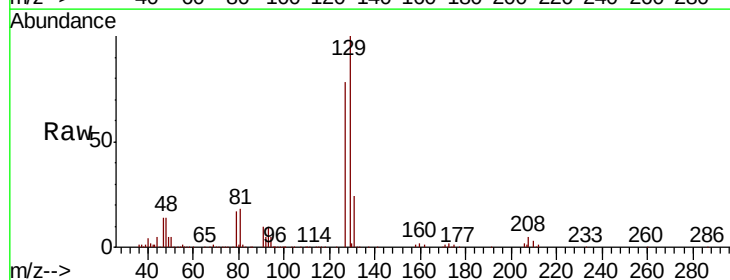
Instrument :
MSVOA_F
ClientSampleId :

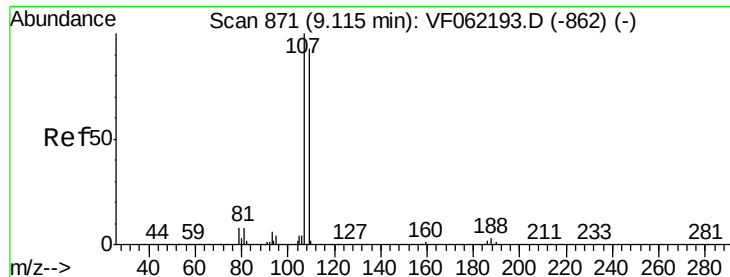
Tot Ion: 43 Resp: 405051
Ion Ratio Lower Upper
43 100
58 49.3 24.6 74.0



#60
Dibromochloromethane
Concen: 49.695 ug/l
RT: 8.84 min Scan# 843
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion:129 Resp: 205324
Ion Ratio Lower Upper
129 100
127 78.0 39.0 117.0





#61

1,2-Dibromoethane

Concen: 36.356 ug/l

RT: 9.12 min Scan# 871

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

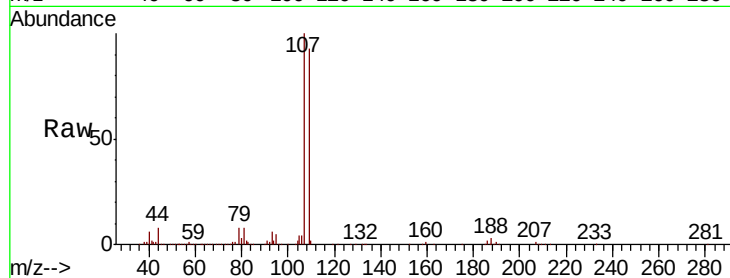
ClientSampleId :

Tot Ion:107 Resp: 154607

Ion Ratio Lower Upper

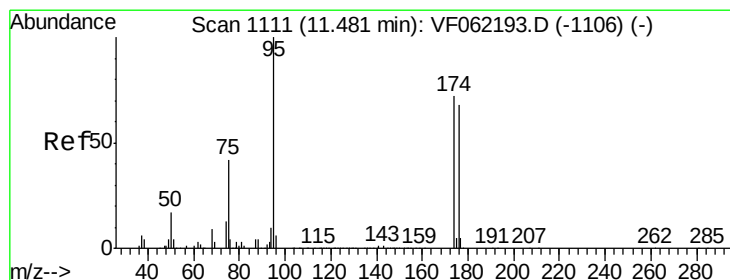
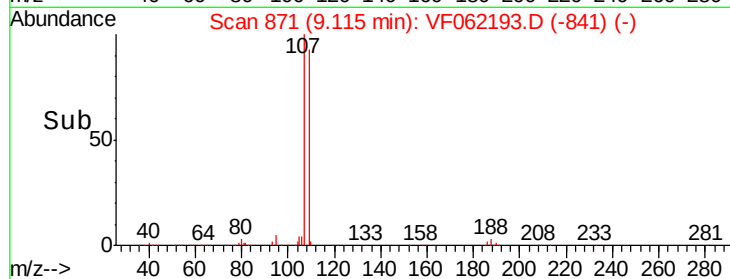
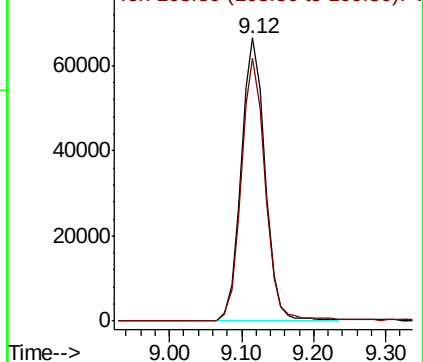
107 100

109 92.9 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.946 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

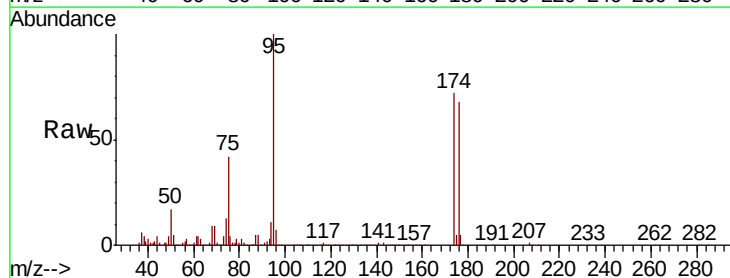
Tgt Ion: 95 Resp: 243482

Ion Ratio Lower Upper

95 100

174 79.7 0.0 159.4

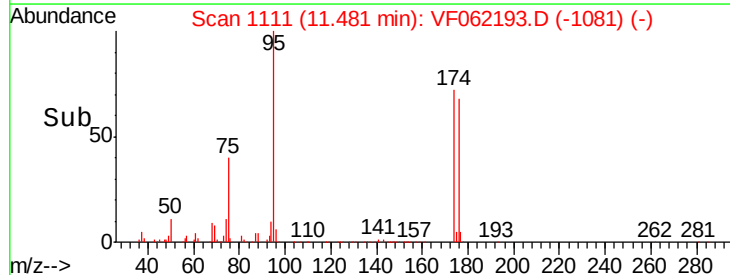
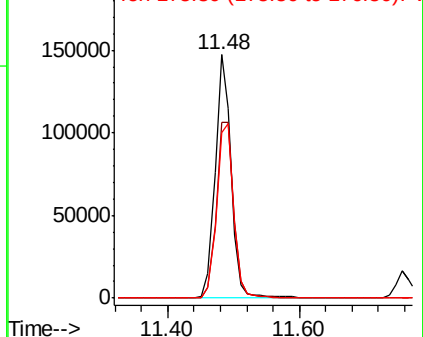
176 77.7 0.0 155.4

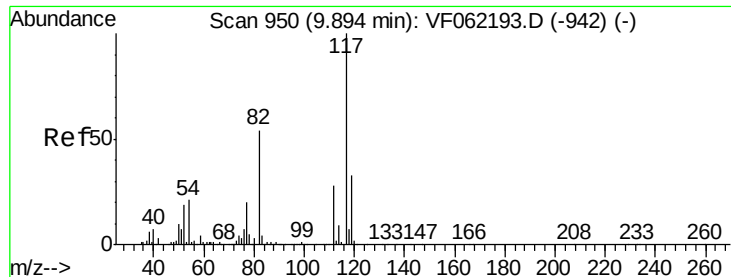


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

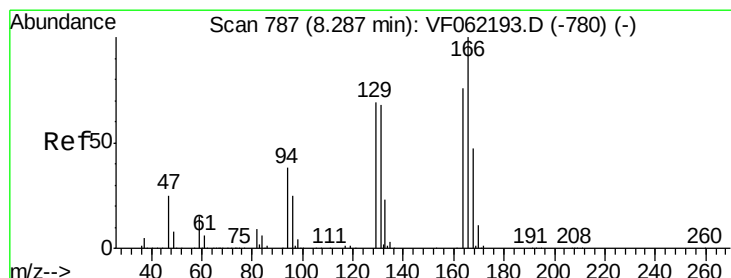
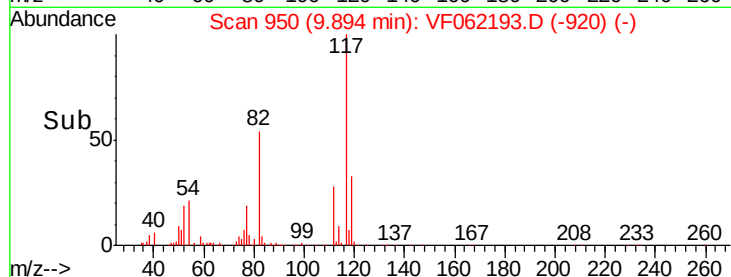
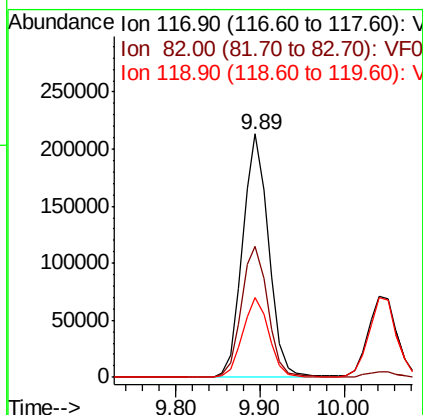
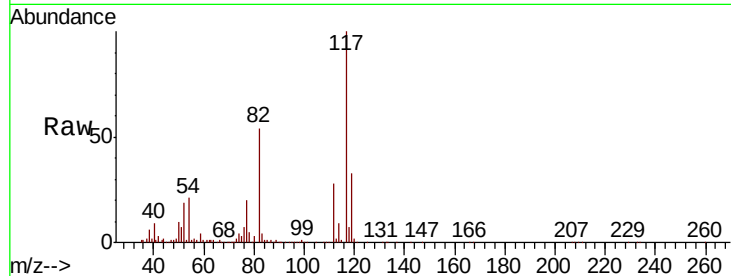




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

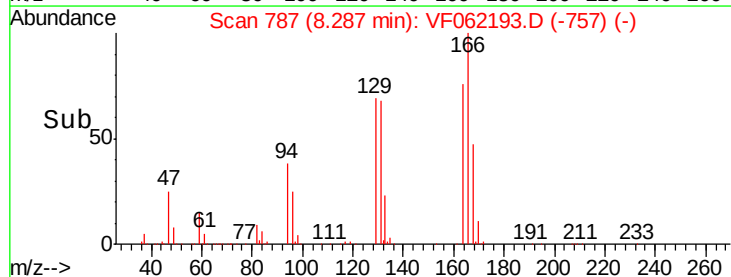
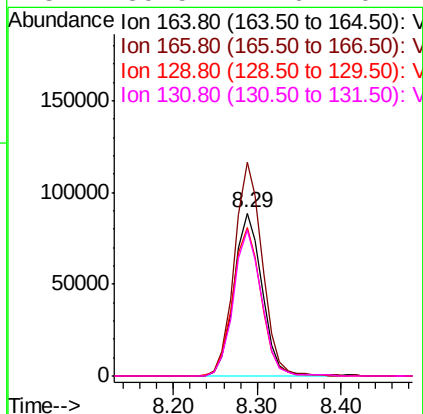
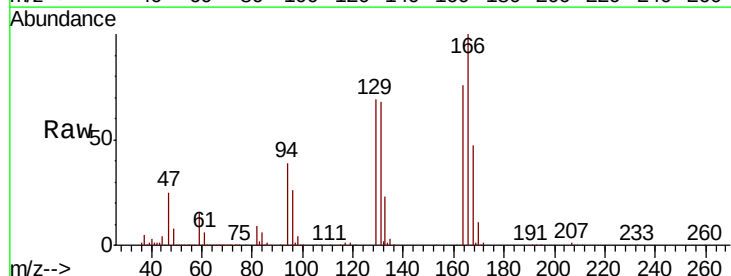
Instrument :
MSVOA_F
ClientSampleId :

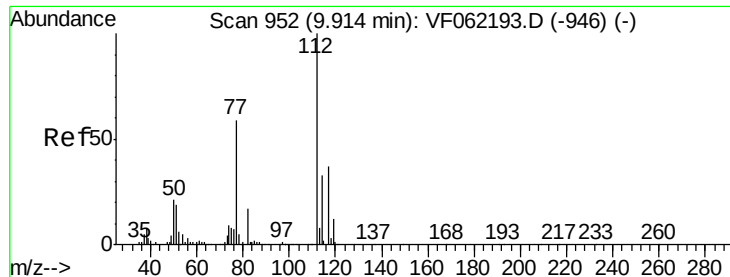
Tot Ion:117 Resp: 461958
Ion Ratio Lower Upper
117 100
82 54.0 43.2 64.8
119 32.8 26.2 39.4



#64
Tetrachloroethene
Concen: 56.588 ug/l
RT: 8.29 min Scan# 787
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion:164 Resp: 206328
Ion Ratio Lower Upper
164 100
166 130.9 104.7 157.1
129 90.8 72.6 109.0
131 89.5 71.6 107.4

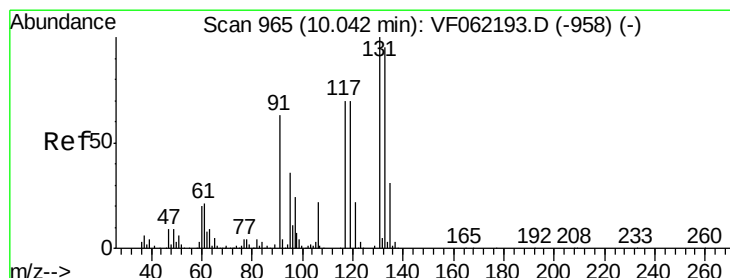
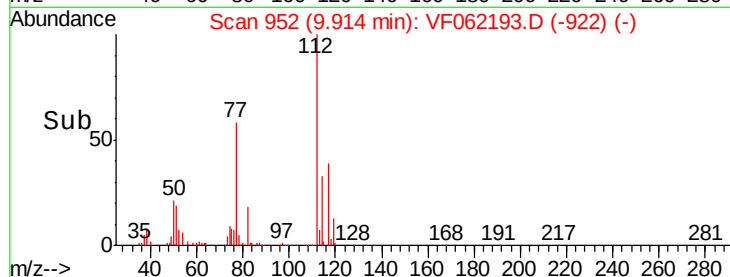
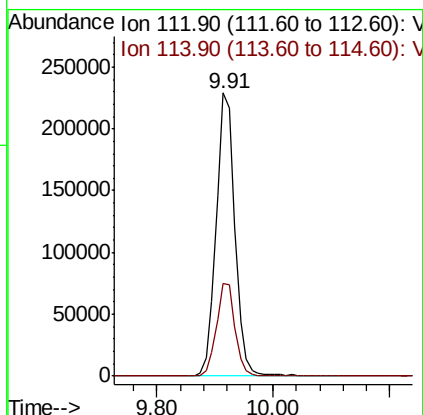
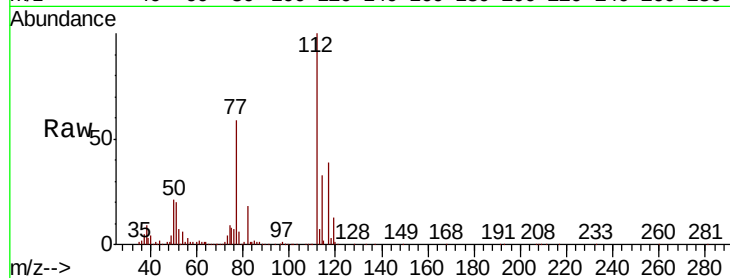




#65
Chlorobenzene
Concen: 51.708 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

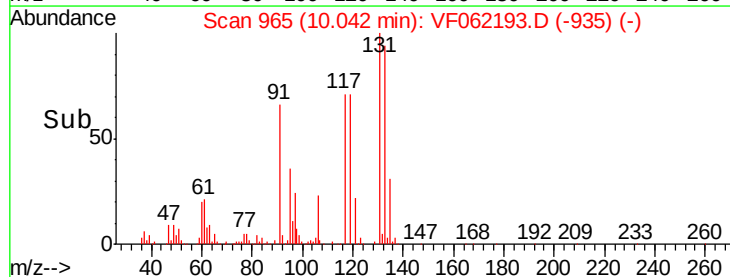
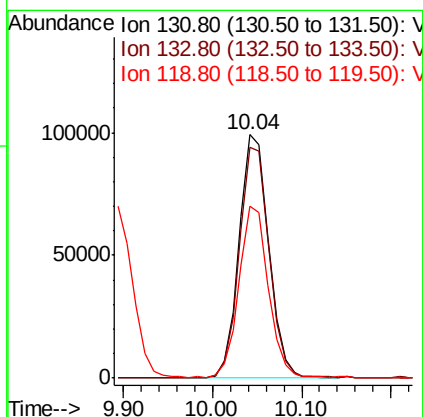
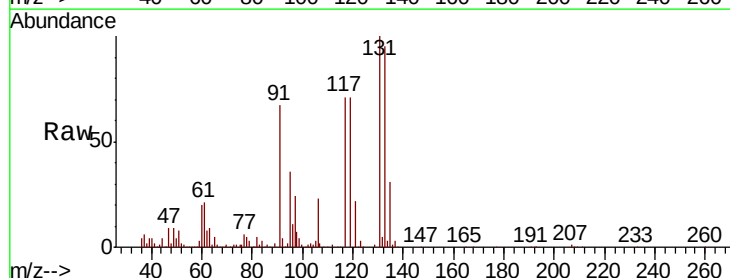
Instrument :
MSVOA_F
ClientSampled :

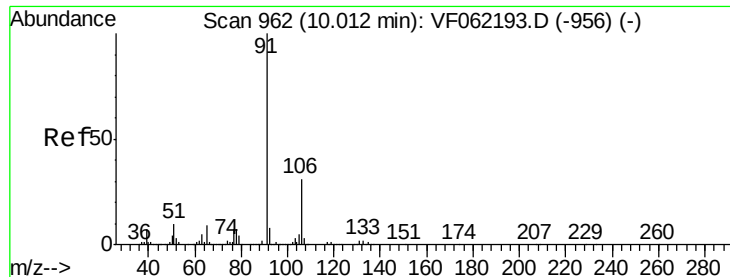
Tot Ion:112 Resp: 514046
Ion Ratio Lower Upper
112 100
114 32.6 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 62.954 ug/l
RT: 10.04 min Scan# 965
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion:131 Resp: 229476
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 69.3 34.6 103.9





#67

Ethyl Benzene

Concen: 48.872 ug/l

RT: 10.01 min Scan# 962

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

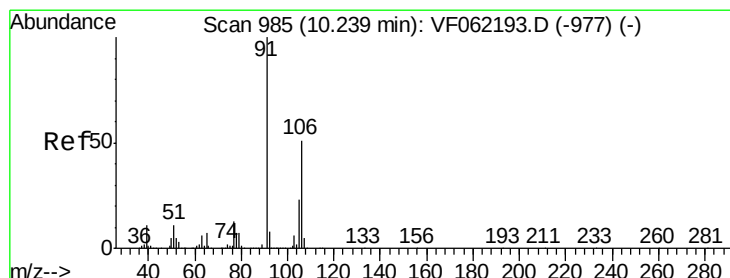
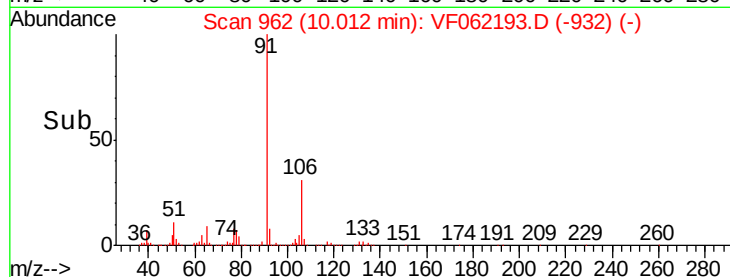
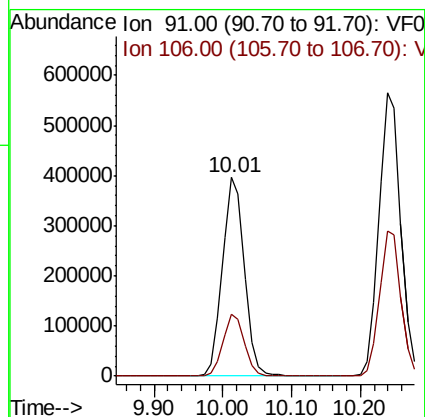
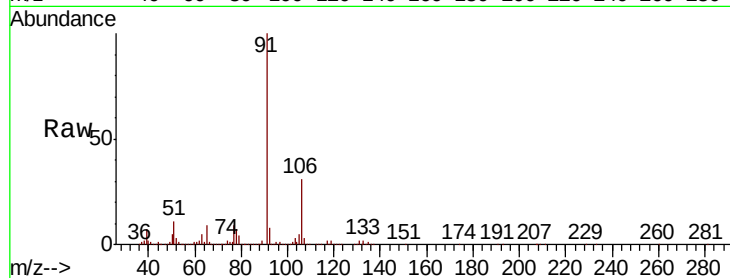
ClientSampled :

Tot Ion: 91 Resp: 874780

Ion Ratio Lower Upper

91 100

106 31.1 24.9 37.3



#68

m/p-Xylenes

Concen: 98.190 ug/l

RT: 10.24 min Scan# 985

Delta R.T. 0.00 min

Lab File: VF062193.D

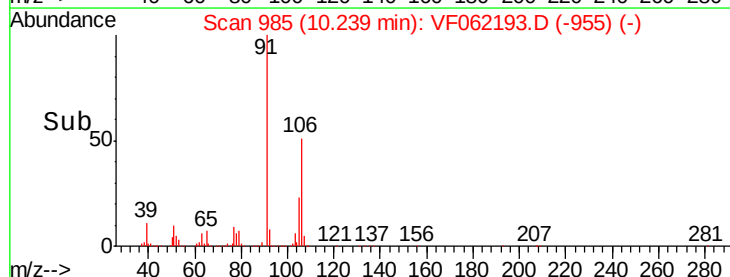
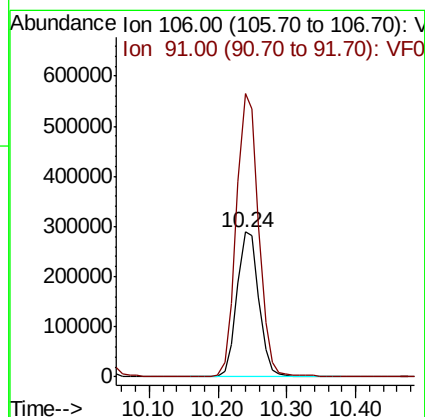
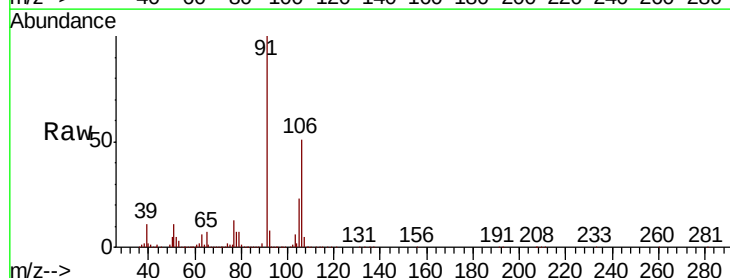
Acq: 17 Apr 2019 18:38

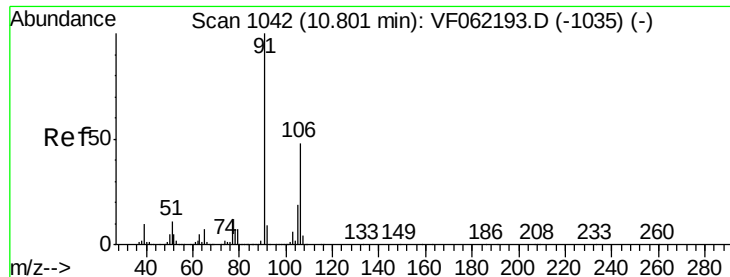
Tgt Ion: 106 Resp: 639487

Ion Ratio Lower Upper

106 100

91 198.9 159.1 238.7

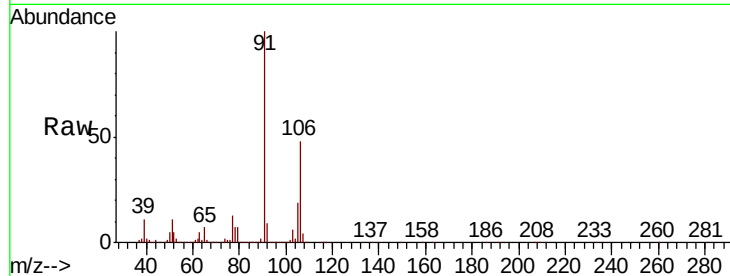




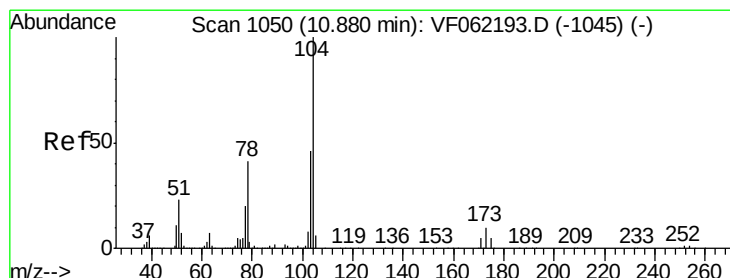
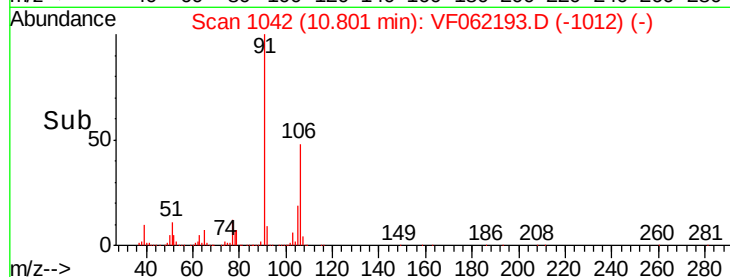
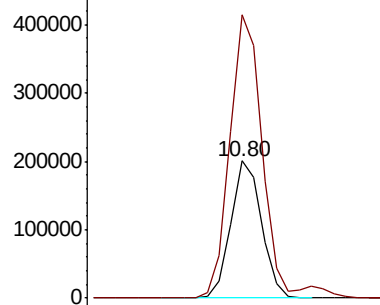
#69
o-Xylene
Concen: 56.260 ug/l
RT: 10.80 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:106 Resp: 367389
Ion Ratio Lower Upper
106 100
91 214.9 107.5 322.4

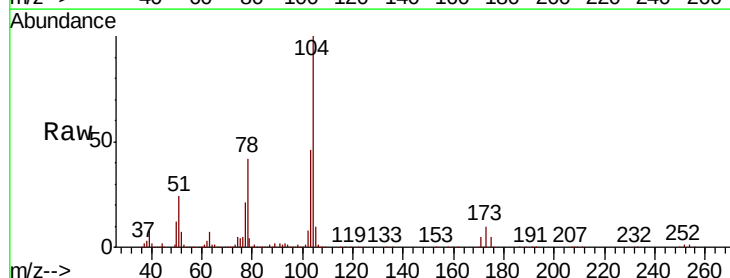


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

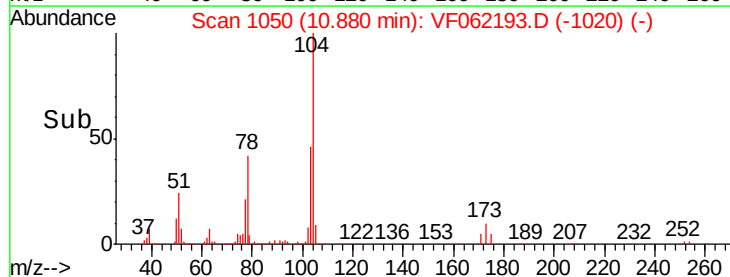
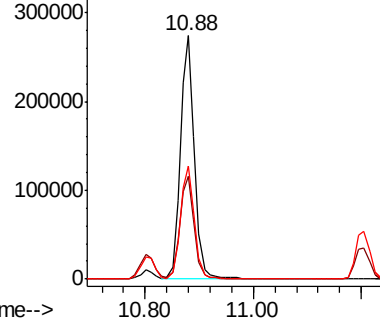


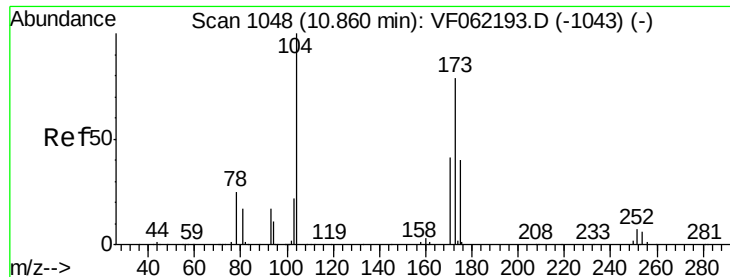
#70
Styrene
Concen: 45.821 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion:104 Resp: 495765
Ion Ratio Lower Upper
104 100
78 43.1 34.5 51.7
103 46.5 37.2 55.8



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





#71

Bromoform

Concen: 44.631 ug/l

RT: 10.86 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

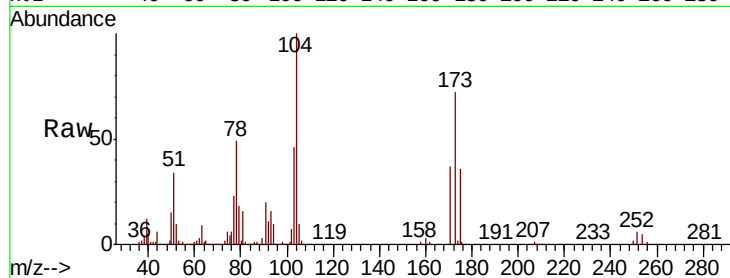
Tot Ion:173 Resp: 119655

Ion Ratio Lower Upper

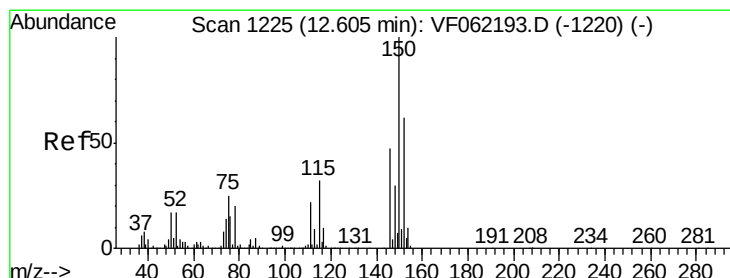
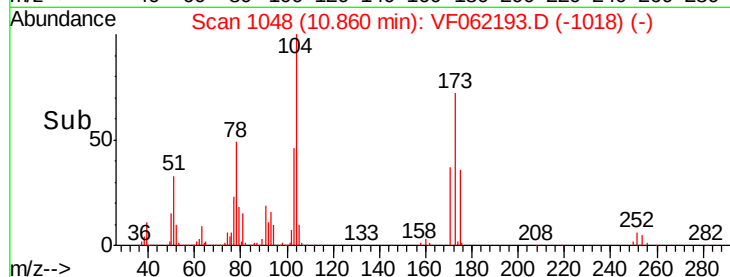
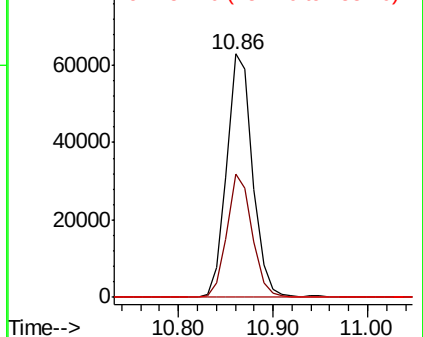
173 100

175 49.0 24.5 73.5

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.60 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

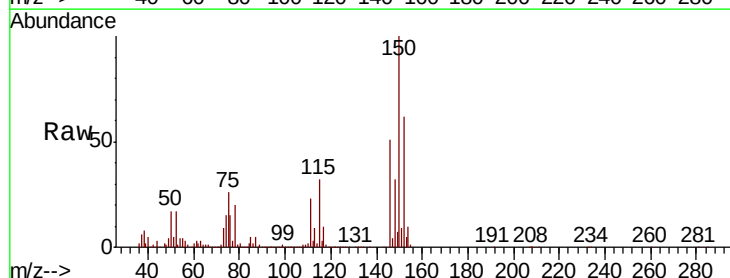
Tgt Ion:152 Resp: 236107

Ion Ratio Lower Upper

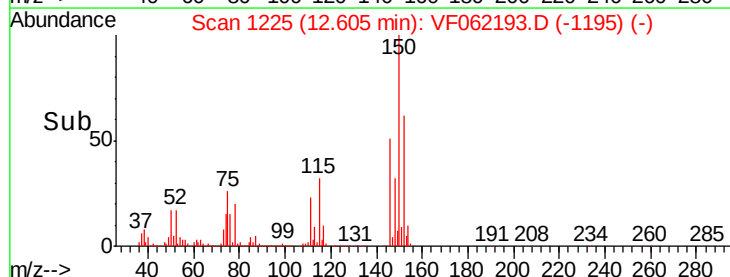
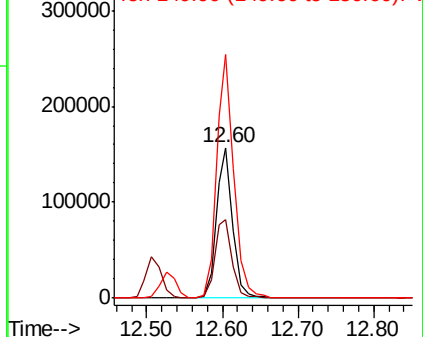
152 100

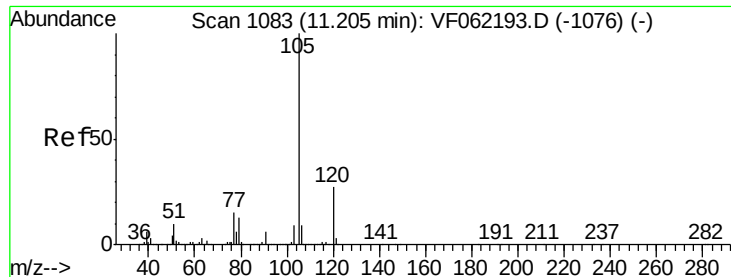
115 55.5 27.8 83.3

150 170.9 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: 55.861 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

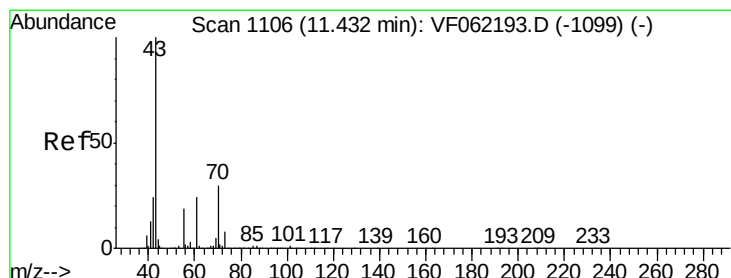
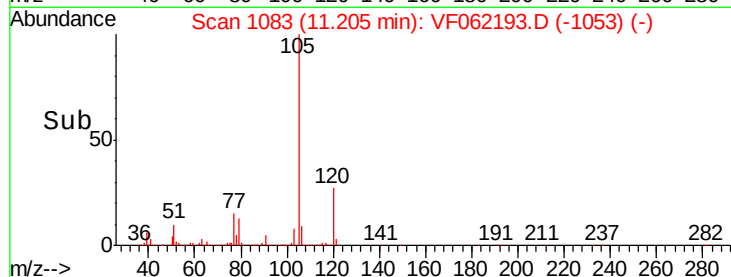
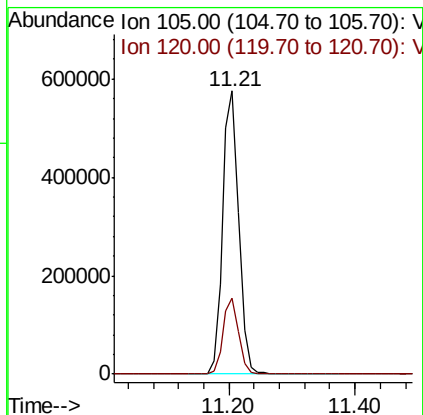
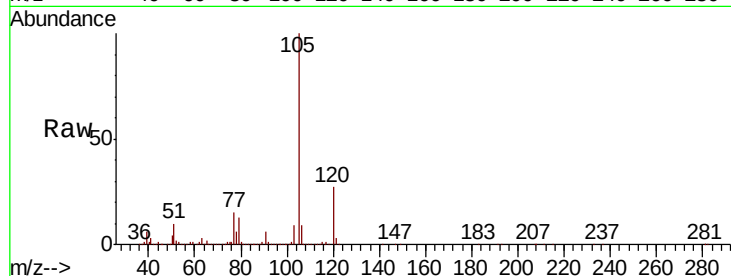
ClientSampleId :

Tot Ion:105 Resp: 1029533

Ion Ratio Lower Upper

105 100

120 25.9 13.0 38.9



#74

N-ethyl acetate

Concen: 25.569 ug/l

RT: 11.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Tgt Ion: 43 Resp: 240184

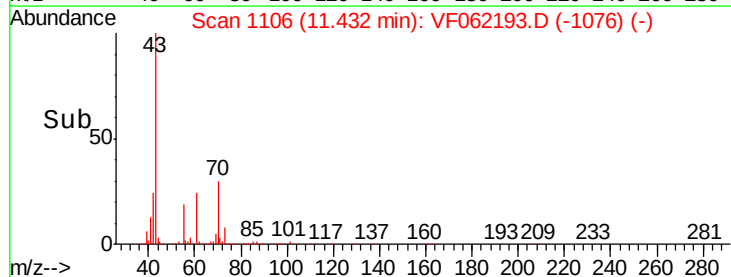
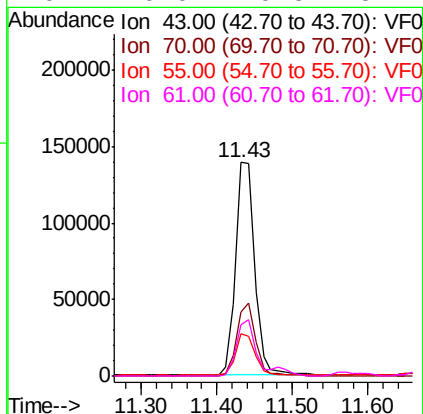
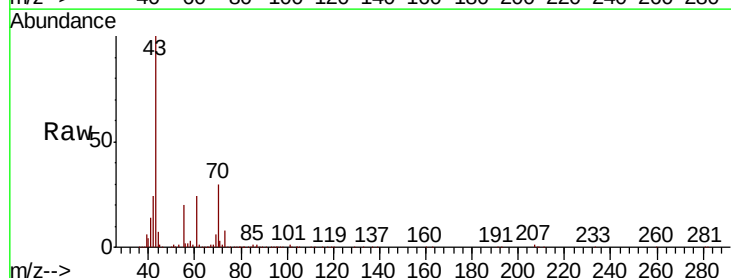
Ion Ratio Lower Upper

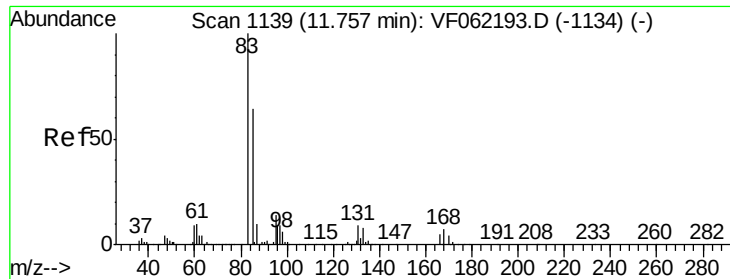
43 100

70 33.7 27.0 40.4

55 19.6 15.7 23.5

61 26.0 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 28.995 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

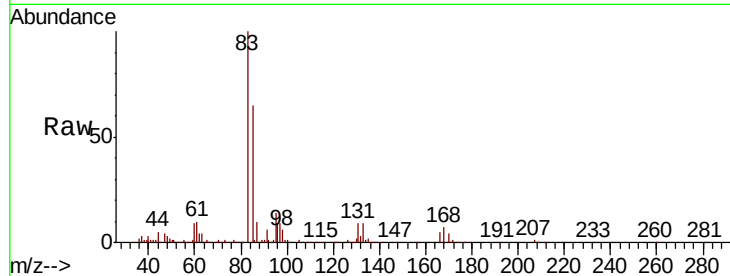
Tot Ion: 83 Resp: 176667

Ion Ratio Lower Upper

83 100

131 9.0 4.5 13.5

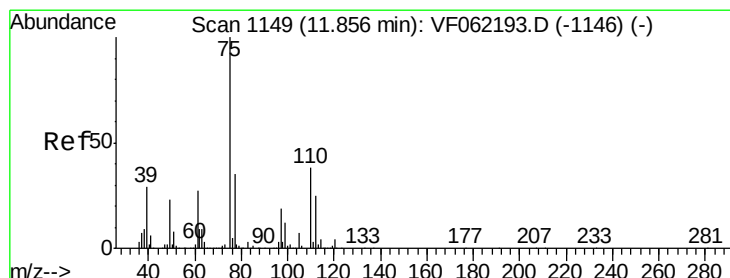
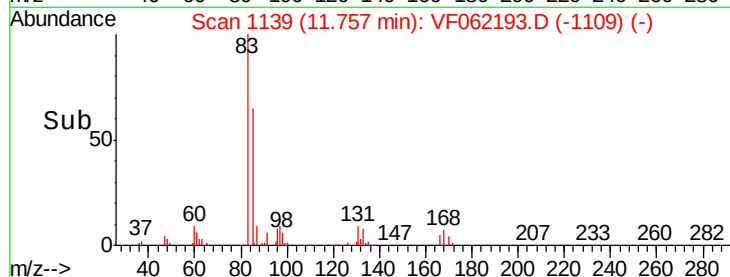
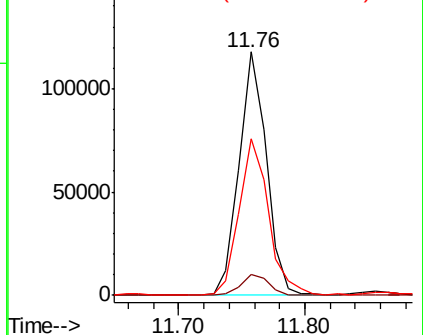
85 69.4 34.7 104.1



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: 22.827 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VF062193.D

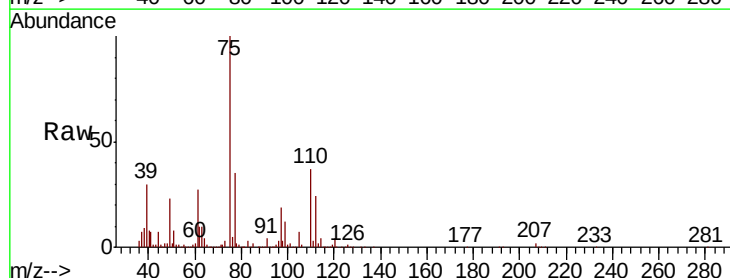
Acq: 17 Apr 2019 18:38

Tgt Ion: 75 Resp: 120173

Ion Ratio Lower Upper

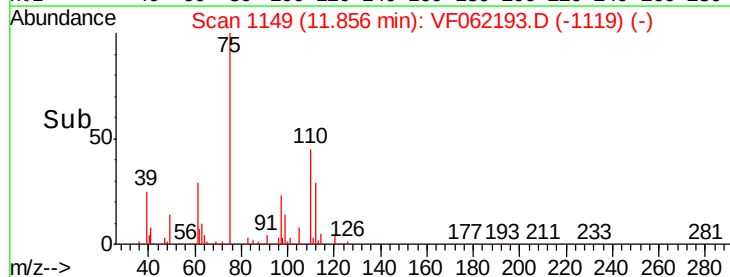
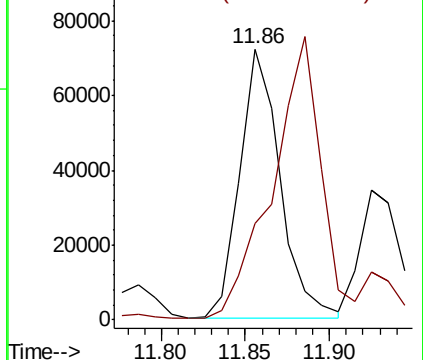
75 100

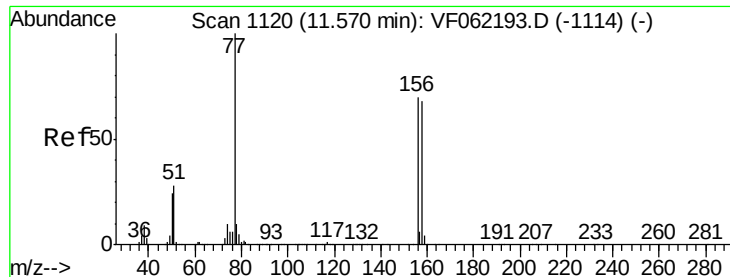
77 0.0 7.4 22.2#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 47.884 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

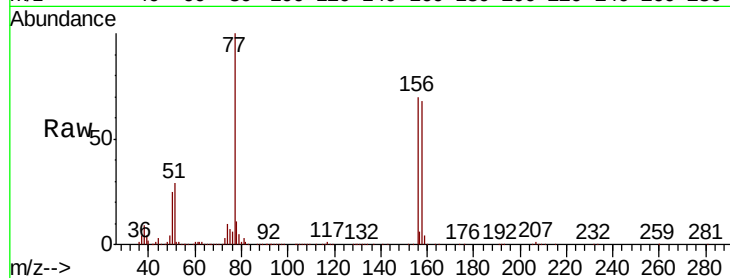
Tot Ion:156 Resp: 216945

Ion Ratio Lower Upper

156 100

77 161.8 80.9 242.7

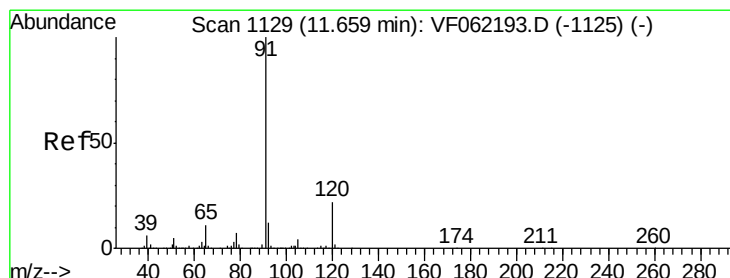
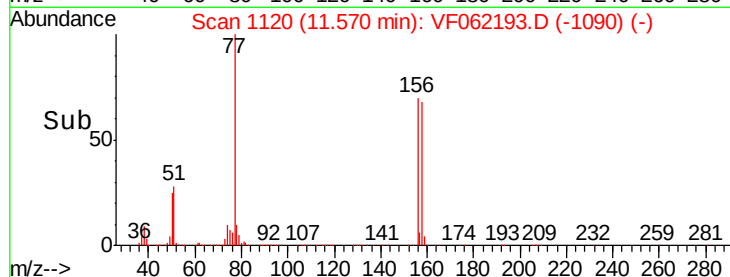
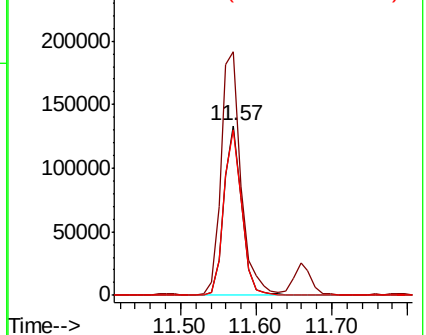
158 99.6 49.8 149.4



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: 50.667 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VF062193.D

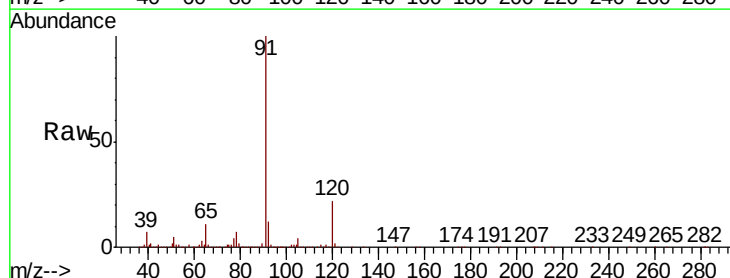
Acq: 17 Apr 2019 18:38

Tgt Ion: 91 Resp: 1045722

Ion Ratio Lower Upper

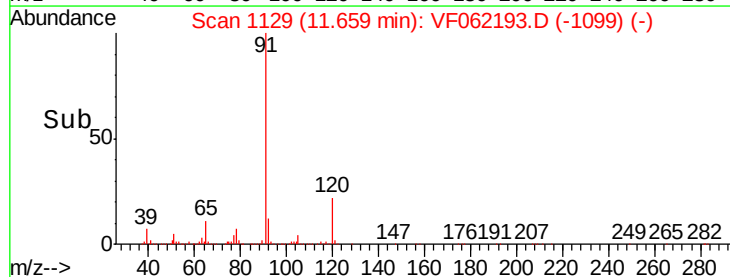
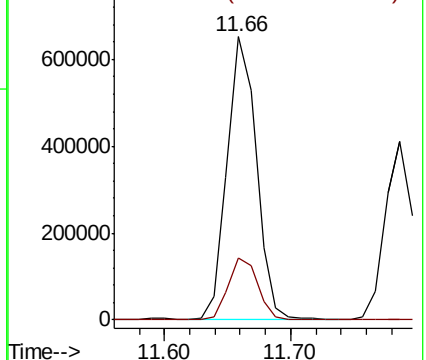
91 100

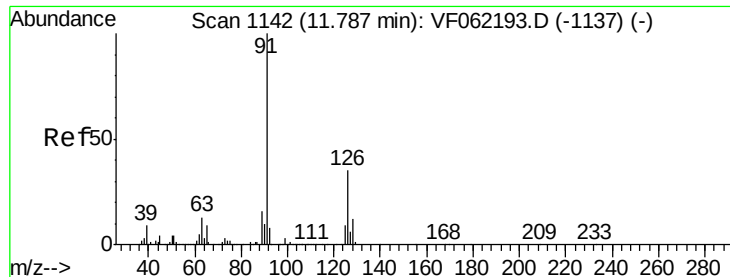
120 22.4 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.166 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

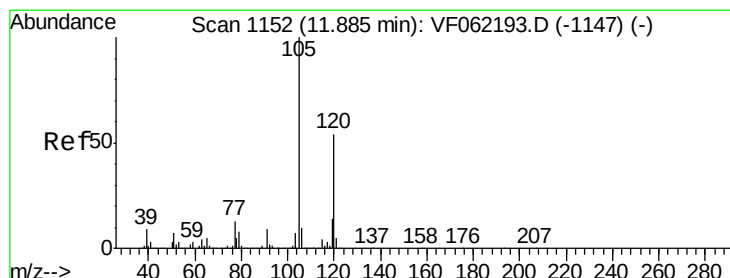
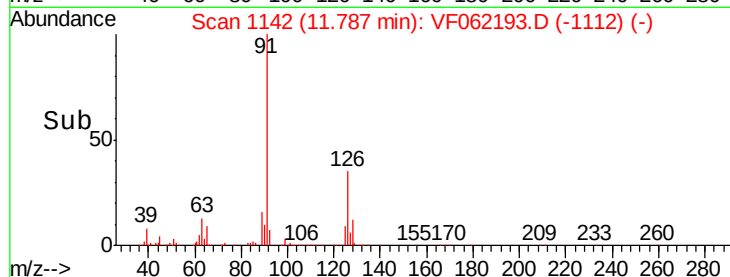
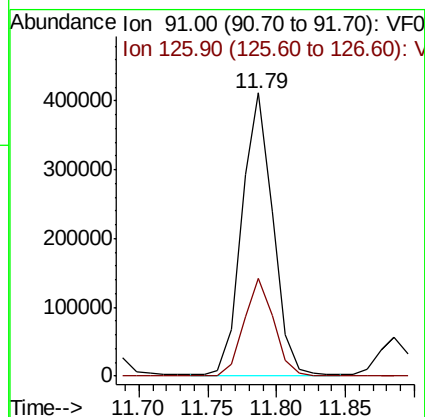
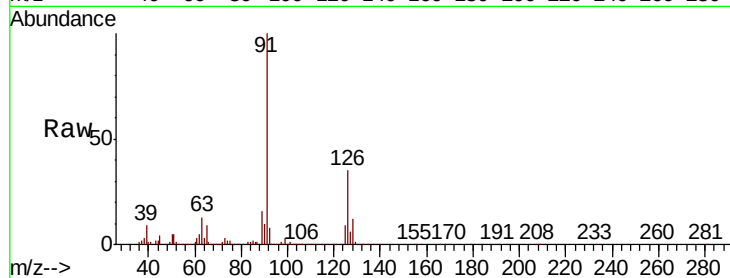
ClientSampleId :

Tot Ion: 91 Resp: 642106

Ion Ratio Lower Upper

91 100

126 33.7 16.9 50.6



#80

1,3,5-Trimethylbenzene

Concen: 54.767 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF062193.D

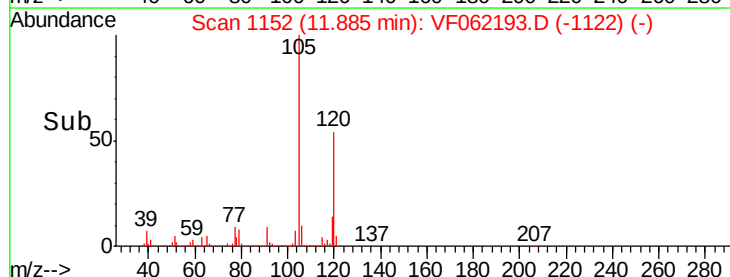
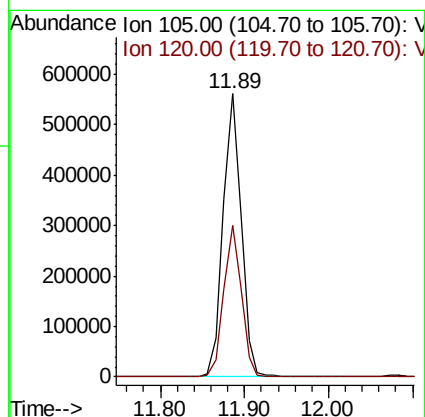
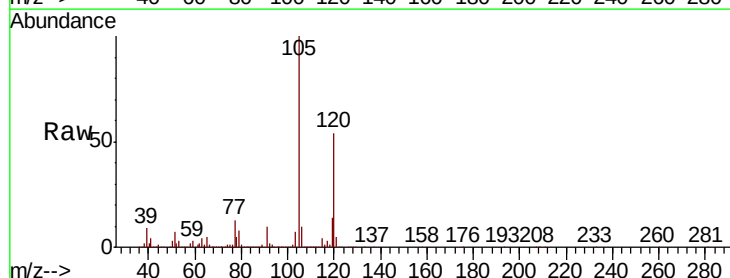
Acq: 17 Apr 2019 18:38

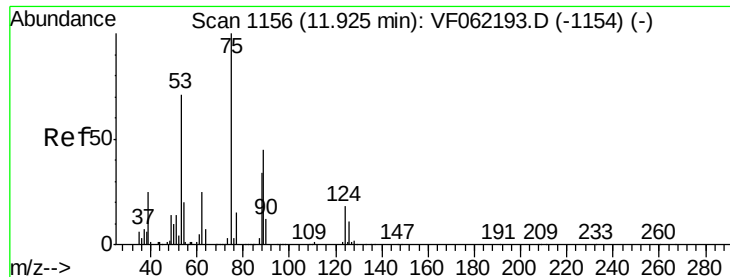
Tgt Ion:105 Resp: 843571

Ion Ratio Lower Upper

105 100

120 52.3 26.2 78.5





#81

trans-1,4-Dichloro-2-butene

Concen: 35.637 ug/l

RT: 11.92 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

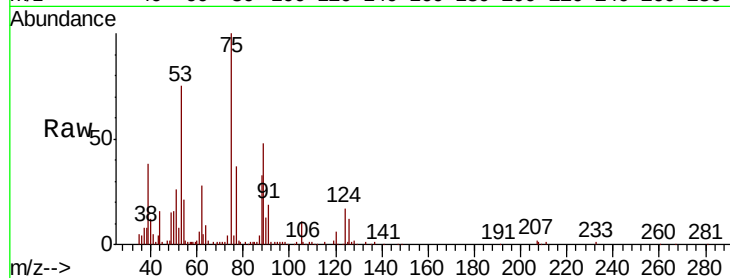
Tot Ion: 75 Resp: 73436

Ion Ratio Lower Upper

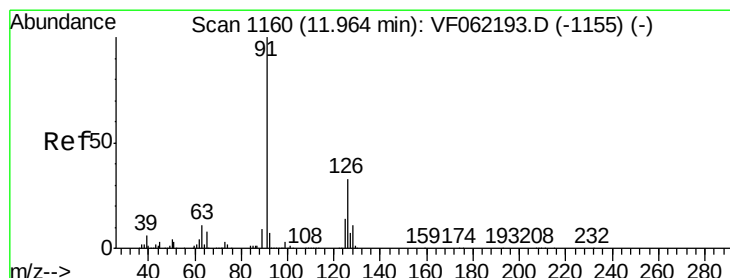
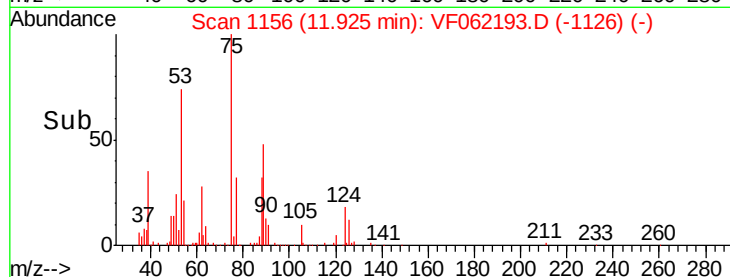
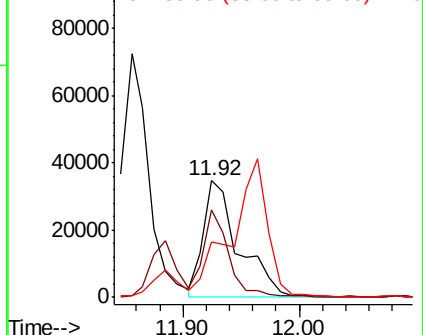
75 100

53 52.8 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: 43.152 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF062193.D

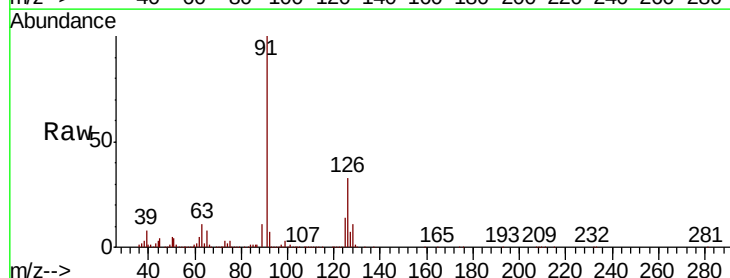
Acq: 17 Apr 2019 18:38

Tgt Ion: 91 Resp: 608907

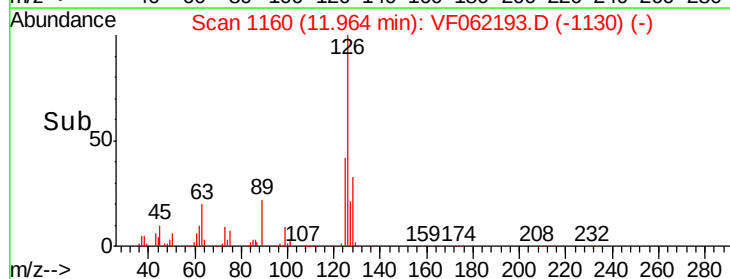
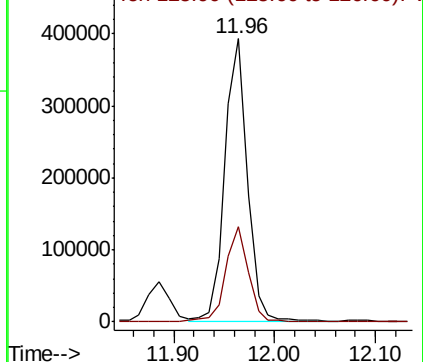
Ion Ratio Lower Upper

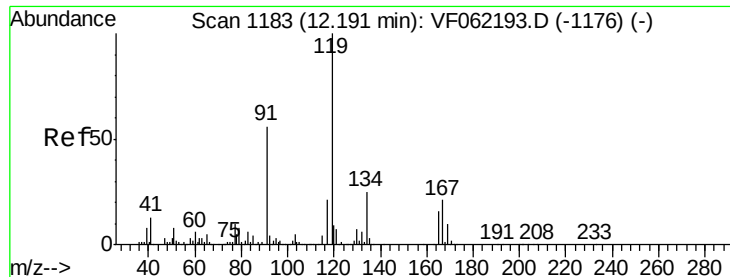
91 100

126 33.7 16.9 50.6



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

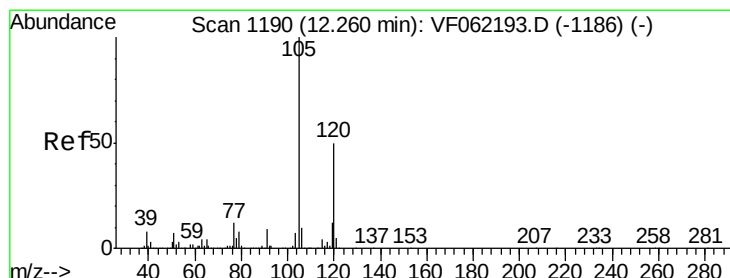
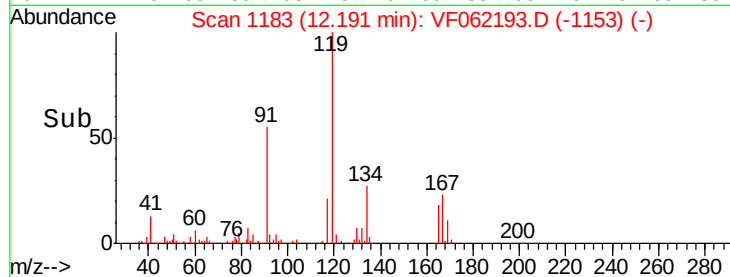
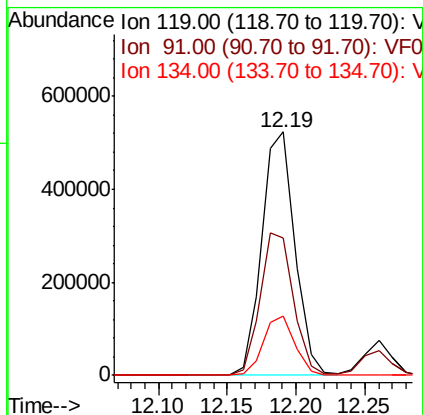
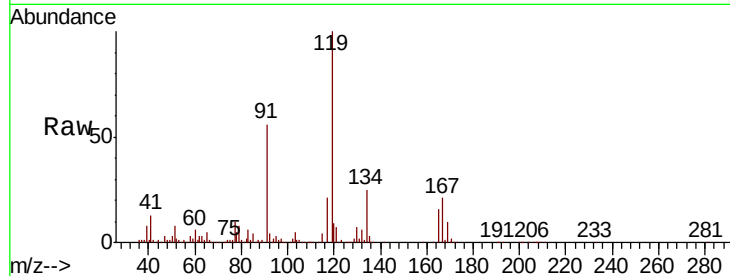




#83
 tert-Butylbenzene
 Concen: 58.254 ug/l
 RT: 12.19 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

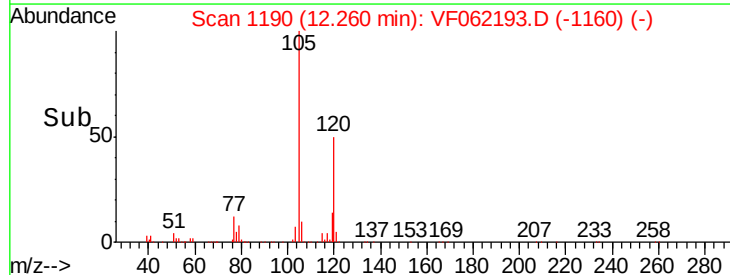
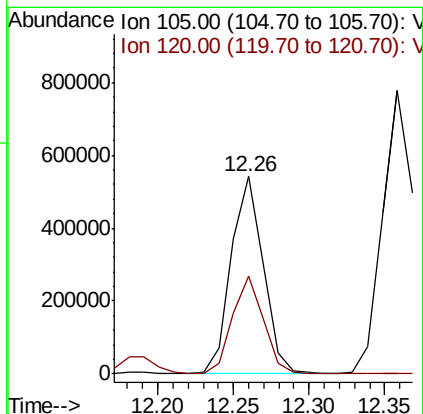
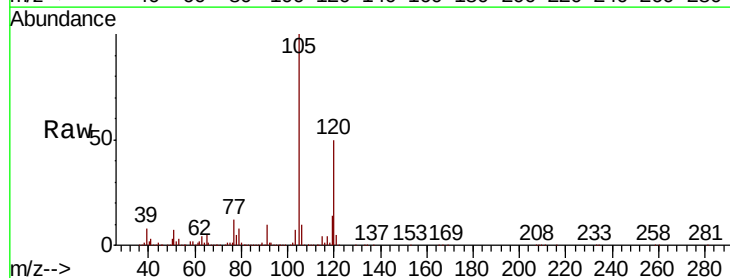
Instrument :
 MSVOA_F
 ClientSampleId :

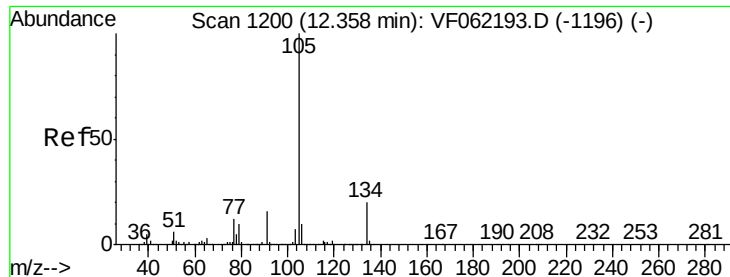
Tot Ion:119 Resp: 876206
 Ion Ratio Lower Upper
 119 100
 91 58.8 29.4 88.2
 134 23.5 11.8 35.3



#84
 1,2,4-Trimethylbenzene
 Concen: 51.312 ug/l
 RT: 12.26 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Tgt Ion:105 Resp: 794936
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.0 72.0

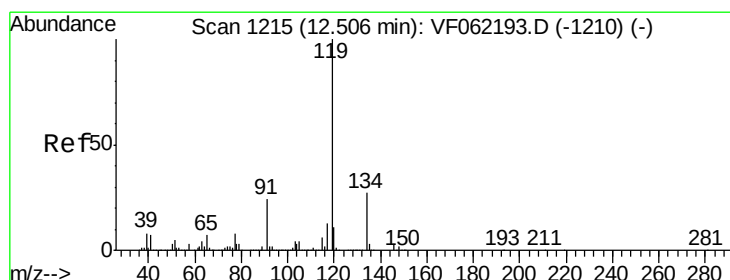
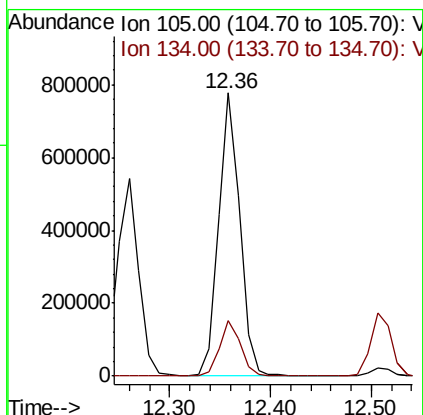
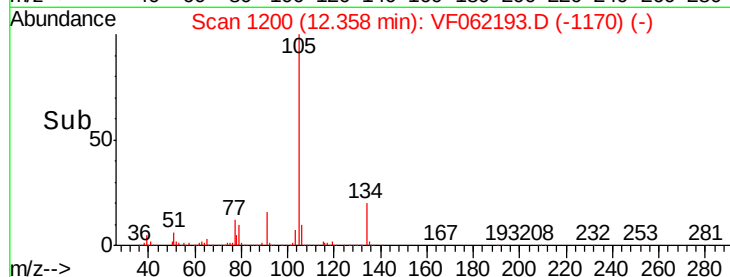
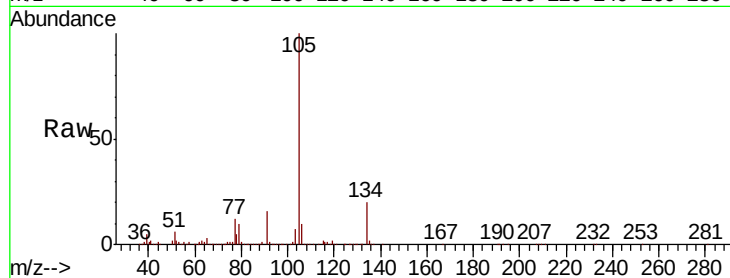




#85
 sec-Butylbenzene
 Concen: 62.975 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

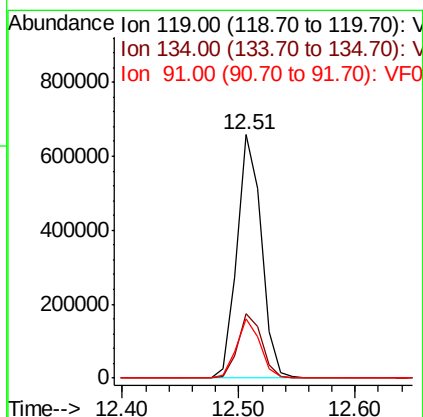
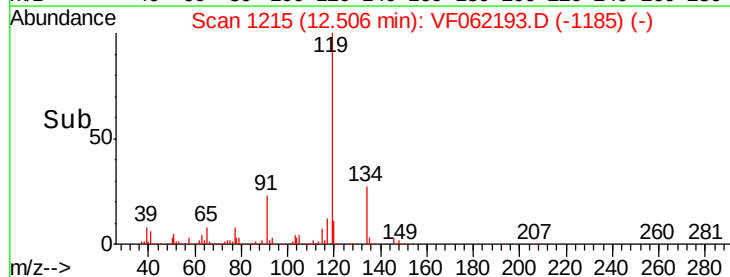
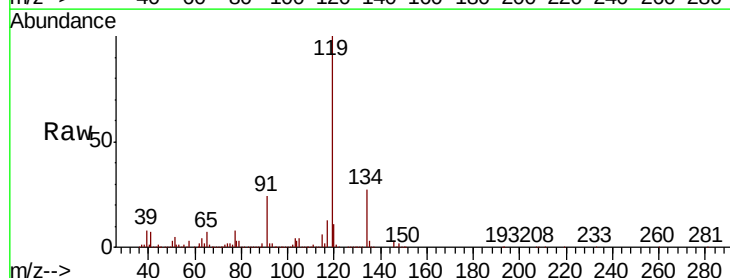
Instrument :
 MSVOA_F
 ClientSampleId :

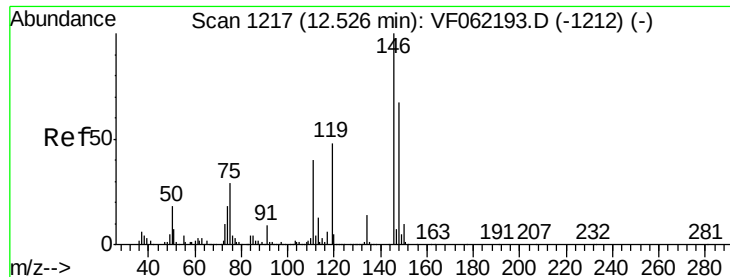
Tot Ion:105 Resp: 1147514
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 58.291 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Tgt Ion:119 Resp: 958219
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.2 39.5
 91 23.4 11.7 35.1

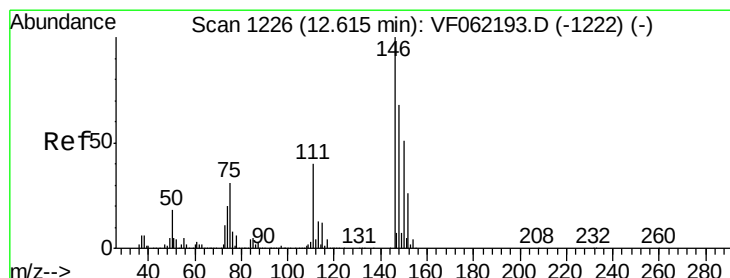
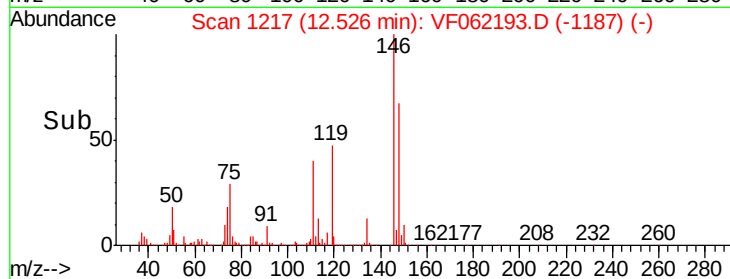
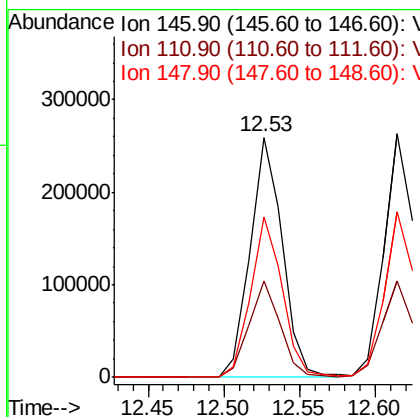
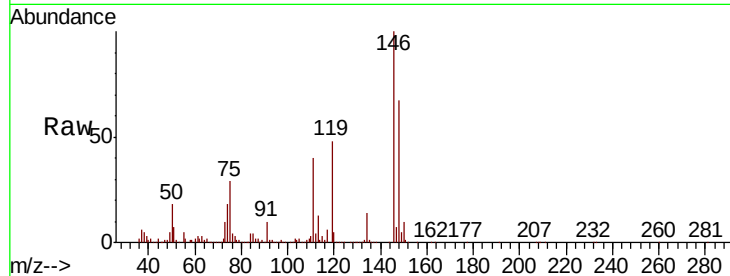




#87
 1,3-Dichlorobenzene
 Concen: 48.652 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

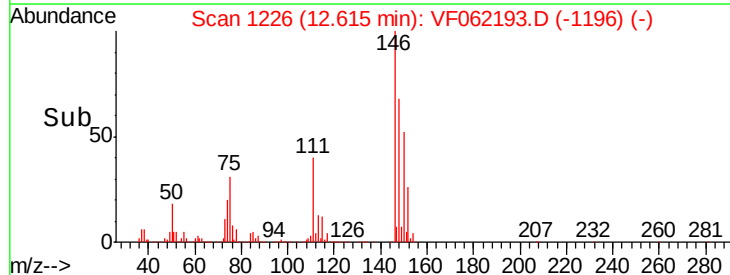
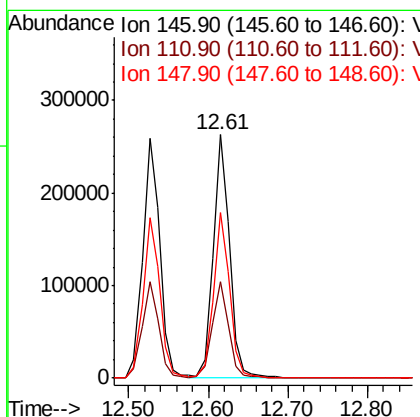
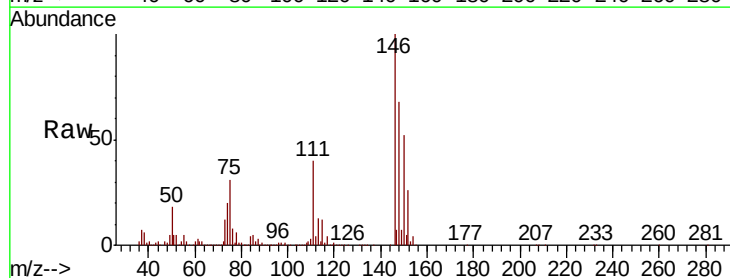
Instrument :
 MSVOA_F
 ClientSampleId :

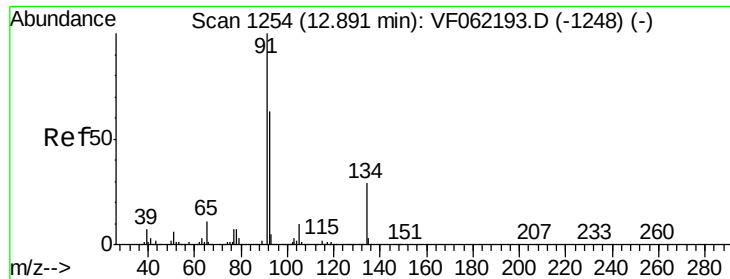
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	65.7	32.9	98.6



#88
 1,4-Dichlorobenzene
 Concen: 47.369 ug/l
 RT: 12.61 min Scan# 1226
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	67.2	33.6	100.8





#89

n-Butylbenzene

Concen: 55.701 ug/l

RT: 12.89 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

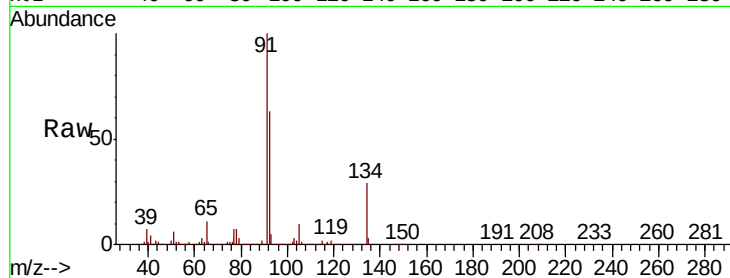
Tot Ion: 91 Resp: 840717

Ion Ratio Lower Upper

91 100

92 62.4 31.2 93.6

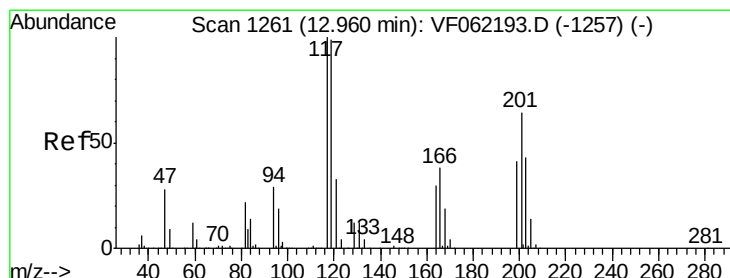
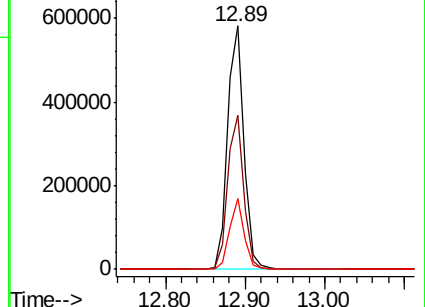
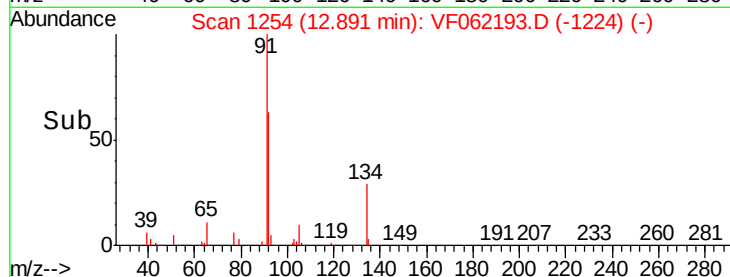
134 26.1 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VF062193.D (-1248) (-)

Ion 92.00 (91.70 to 92.70): VF062193.D (-1248) (-)

Ion 134.00 (133.70 to 134.70): VF062193.D (-1248) (-)



#90

Hexachloroethane

Concen: 83.841 ug/l

RT: 12.96 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VF062193.D

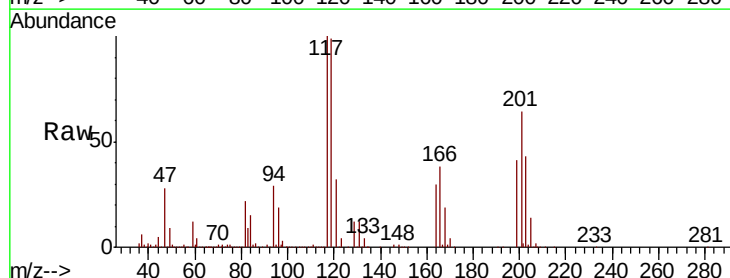
Acq: 17 Apr 2019 18:38

Tgt Ion: 117 Resp: 252712

Ion Ratio Lower Upper

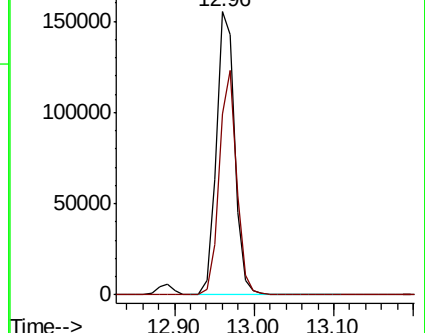
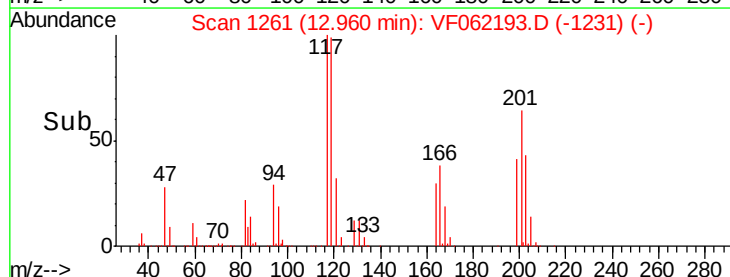
117 100

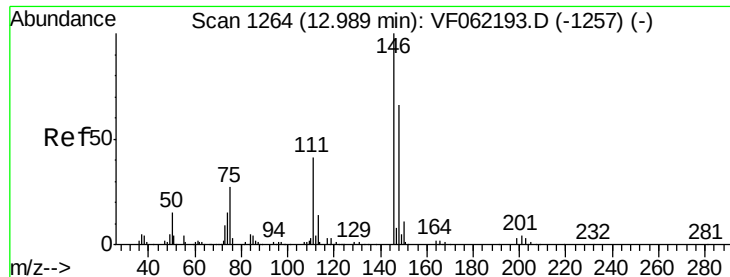
201 75.4 37.7 113.1



Abundance Ion 116.80 (116.50 to 117.50): VF062193.D (-1257) (-)

Ion 200.70 (200.40 to 201.40): VF062193.D (-1257) (-)





#91

1,2-Dichlorobenzene

Concen: 48.163 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

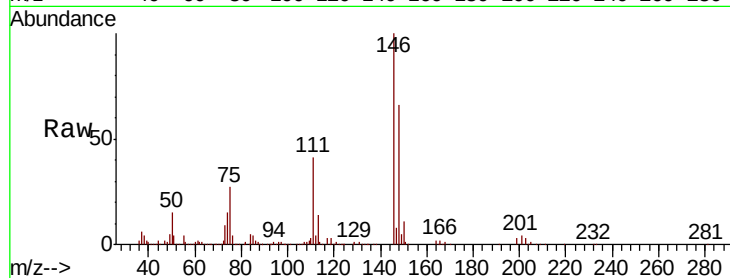
Tot Ion:146 Resp: 377659

Ion Ratio Lower Upper

146 100

111 41.7 20.8 62.5

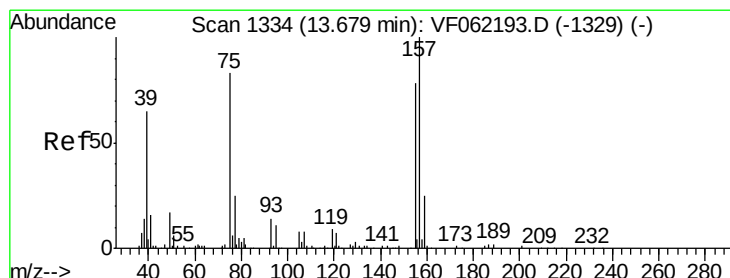
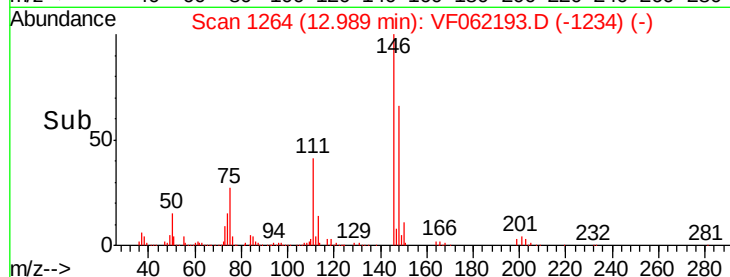
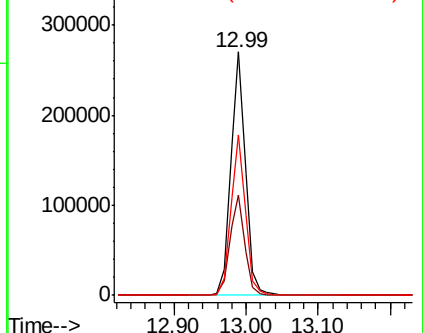
148 66.0 33.0 99.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 25.687 ug/l

RT: 13.68 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

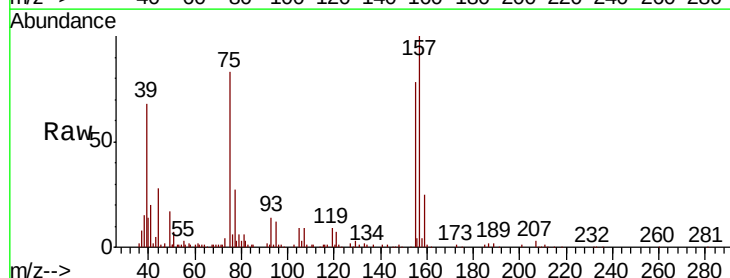
Tgt Ion: 75 Resp: 35219

Ion Ratio Lower Upper

75 100

155 95.2 47.6 142.8

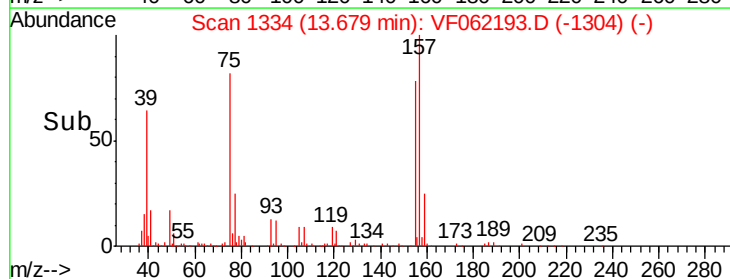
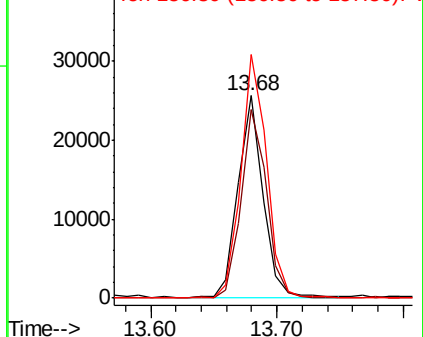
157 122.6 61.3 183.9

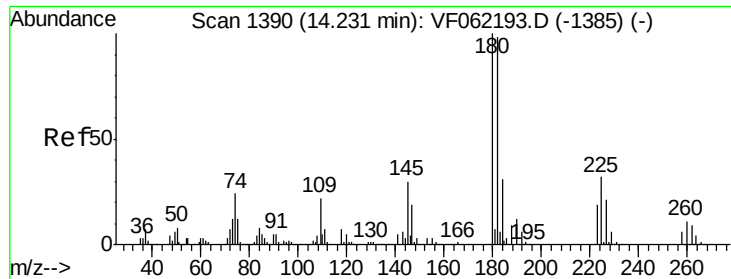


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

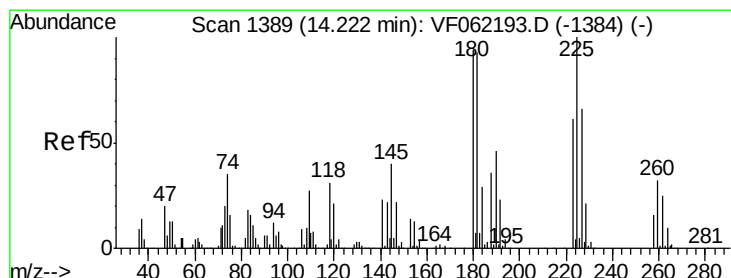
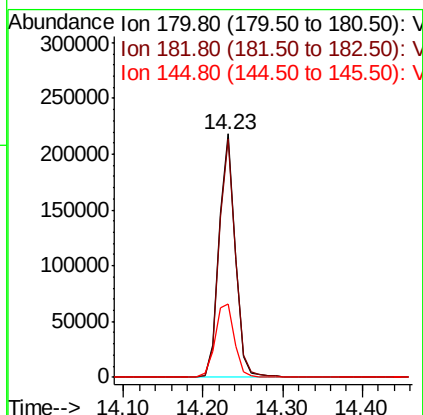
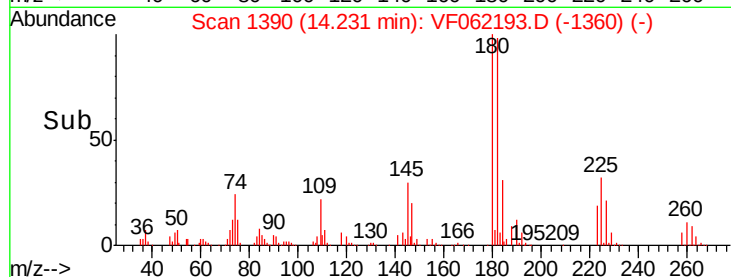
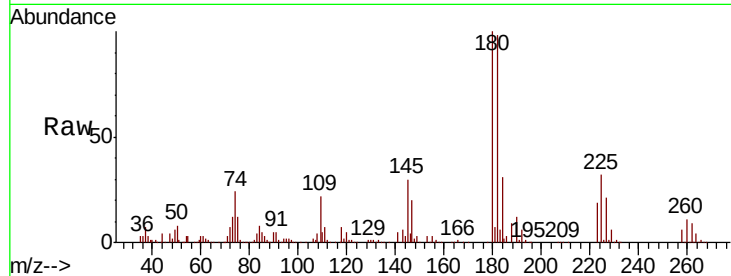




#93
 1,2,4-Trichlorobenzene
 Concen: 54.699 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

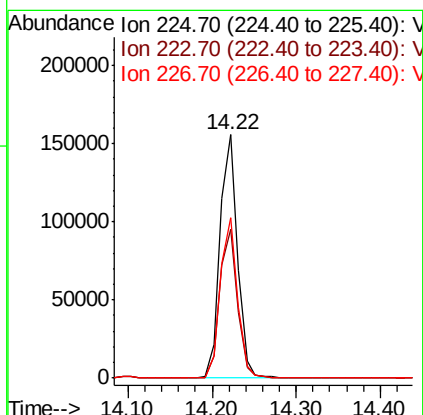
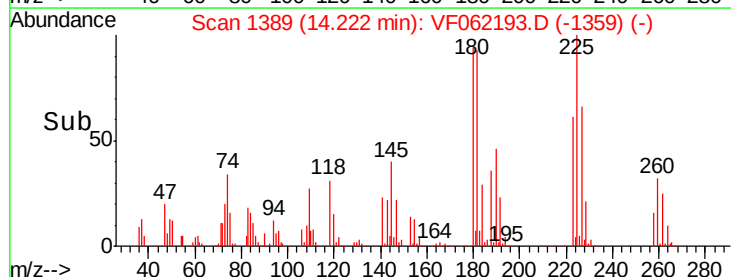
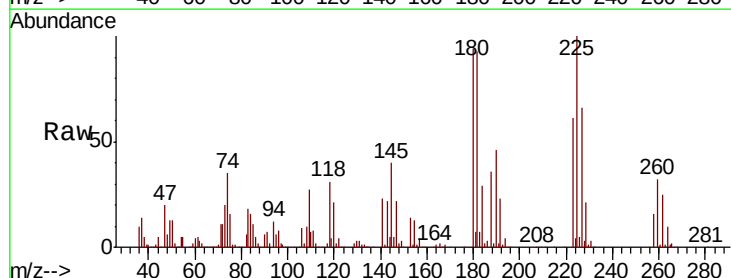
Instrument :
 MSVOA_F
 ClientSampleId :

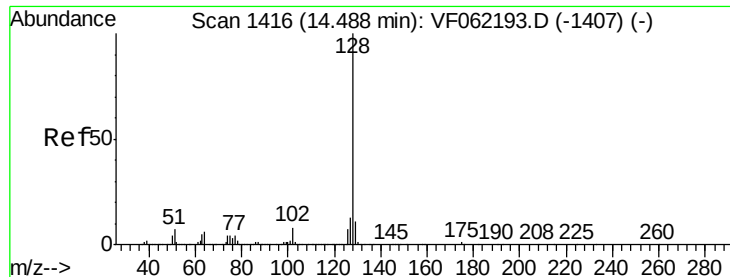
Tot Ion:180 Resp: 316868
 Ion Ratio Lower Upper
 180 100
 182 98.6 49.3 147.9
 145 36.3 18.1 54.4



#94
 Hexachlorobutadiene
 Concen: 72.378 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Tgt Ion:225 Resp: 225387
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.0 93.0
 227 64.7 32.4 97.0





#95

Naphthalene

Concen: 33.103 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

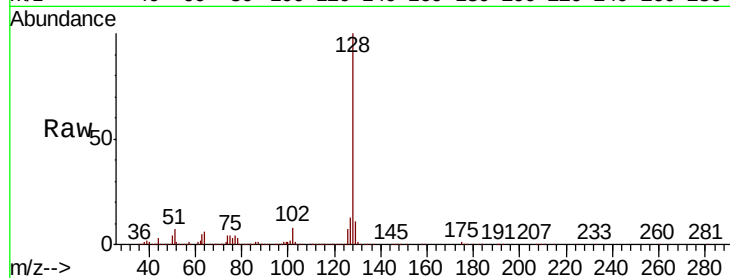
Tot Ion:128 Resp: 564398

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

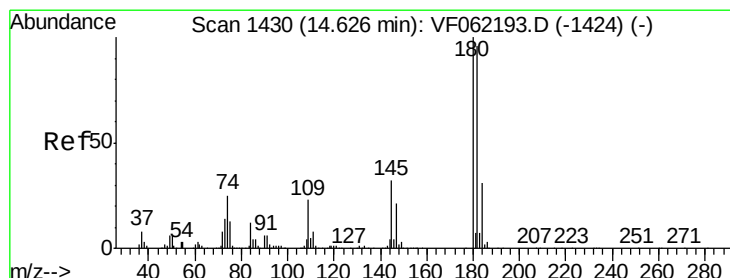
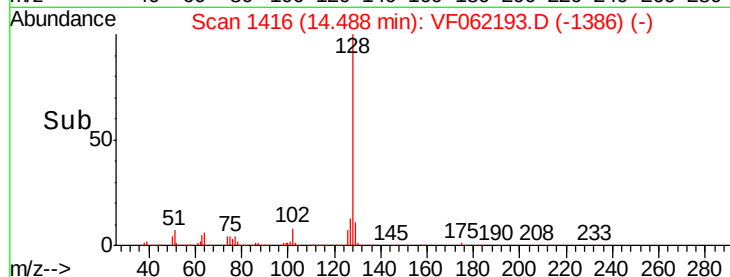
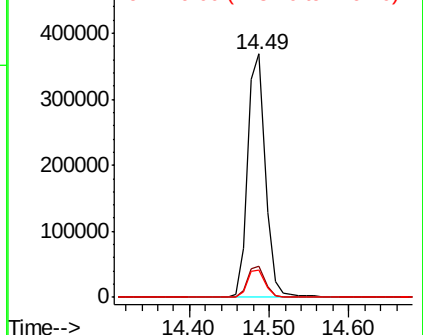
129 11.5 9.2 13.8



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: 55.659 ug/l

RT: 14.63 min Scan# 1430

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

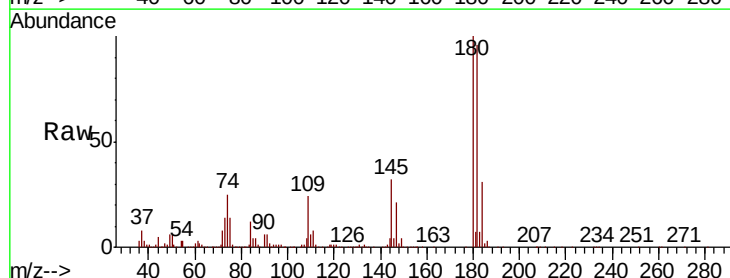
Tgt Ion:180 Resp: 320141

Ion Ratio Lower Upper

180 100

182 96.9 48.4 145.3

145 31.2 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

