

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110818\
 Data File : VF060648.D
 Acq On : 8 Nov 2018 14:00
 Operator : VA/AP
 Sample : VF1108SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 09 12:31:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	255718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	455140	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	392623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	209847	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	153543	59.43	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	118.86%	
35) Dibromofluoromethane	4.11	113	187375	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
50) Toluene-d8	7.55	98	497024	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
62) 4-Bromofluorobenzene	11.41	95	220984	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	0.96	85	89304	31.979	ug/l 99
3) Chloromethane	1.09	50	59539	26.603	ug/l # 88
4) Vinyl Chloride	1.14	62	54794	26.570	ug/l 94
5) Bromomethane	1.30	94	29811	25.752	ug/l # 78
6) Chloroethane	1.37	64	17956	21.681	ug/l # 87
7) Trichlorofluoromethane	1.49	101	102144	26.463	ug/l 97
8) Diethyl Ether	1.62	74	13903	19.434	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	1.82	101	52400	23.757	ug/l 99
10) Methyl Iodide	1.88	142	62718	17.279	ug/l 90
11) Tert butyl alcohol	2.56	59	17249	124.064	ug/l 92
12) 1,1-Dichloroethene	1.78	96	42039	22.629	ug/l 91
13) Acrolein	2.00	56	9902	96.100	ug/l 95
14) Allyl chloride	2.09	41	73782	24.324	ug/l 92
15) Acrylonitrile	2.93	53	35290	114.607	ug/l 97
16) Acetone	2.24	43	94402	155.057	ug/l 96
17) Carbon Disulfide	1.80	76	121526	23.223	ug/l 100
18) Methyl Acetate	2.33	43	23658	25.256	ug/l 94
19) Methyl tert-butyl Ether	2.42	73	116374	26.798	ug/l 99
20) Methylene Chloride	2.23	84	18039	5.084	ug/l 86
21) trans-1,2-Dichloroethene	2.30	96	46408	23.812	ug/l 96
22) Diisopropyl ether	2.80	45	153110	23.824	ug/l 99
23) Vinyl Acetate	3.18	43	448901	116.253	ug/l 98
24) 1,1-Dichloroethane	2.87	63	95283	25.618	ug/l # 96
25) 2-Butanone	4.33	43	159225	122.730	ug/l 95
26) 2,2-Dichloropropane	3.59	77	69922	25.124	ug/l 98
27) cis-1,2-Dichloroethene	3.47	96	86815	23.334	ug/l 99
28) Bromochloromethane	3.72	49	55859	23.931	ug/l 94
29) Tetrahydrofuran	4.06	42	61747	131.845	ug/l 95
30) Chloroform	3.85	83	147643	25.090	ug/l 98
31) Cyclohexane	3.69	56	125686	24.487	ug/l 95
32) 1,1,1-Trichloroethane	4.09	97	111198	27.056	ug/l 96
36) 1,1-Dichloropropene	4.27	75	104258	20.804	ug/l 97
37) Ethyl Acetate	4.10	43	55576	23.102	ug/l 95
38) Carbon Tetrachloride	3.98	117	104793	24.472	ug/l 95

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 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	140624	22.994	ug/l	94
40) Benzene	4.62	78	276279	22.712	ug/l	99
41) Methacrylonitrile	4.73	41	29942	21.978	ug/l #	88
42) 1,2-Dichloroethane	4.94	62	82139	23.527	ug/l	97
43) Isopropyl Acetate	6.95	43	62859	20.657	ug/l #	97
44) Trichloroethene	5.50	130	77605	21.227	ug/l	97
45) 1,2-Dichloropropane	6.23	63	65535	21.065	ug/l	99
46) Dibromomethane	6.08	93	44323	22.457	ug/l	98
47) Bromodichloromethane	6.38	83	107498	22.581	ug/l	97
48) Methyl methacrylate	6.71	41	39070	20.429	ug/l	97
49) 1,4-Dioxane	6.71	88	7778	388.780	ug/l #	71
51) 4-Methyl-2-Pentanone	8.25	43	237317	115.975	ug/l	96
52) Toluene	7.62	92	163666	20.654	ug/l	96
53) t-1,3-Dichloropropene	8.27	75	86144	20.820	ug/l	95
54) cis-1,3-Dichloropropene	7.30	75	109641	20.973	ug/l	96
55) 1,1,2-Trichloroethane	8.49	97	50571	21.931	ug/l	95
56) Ethyl methacrylate	8.62	69	59483	20.050	ug/l	93
57) 1,3-Dichloropropane	8.84	76	84075	20.780	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.62	63	23136	110.255	ug/l	100
59) 2-Hexanone	9.49	43	182351	121.412	ug/l	98
60) Dibromochloromethane	8.71	129	69514	21.556	ug/l	100
61) 1,2-Dibromoethane	8.98	107	52796	21.773	ug/l	91
64) Tetrachloroethene	8.14	164	65525	21.295	ug/l	97
65) Chlorobenzene	9.79	112	174546	21.739	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	73496	21.663	ug/l	96
67) Ethyl Benzene	9.89	91	323232	22.184	ug/l	97
68) m/p-Xylenes	10.13	106	226016	41.180	ug/l	92
69) o-Xylene	10.71	106	133511	22.278	ug/l	94
70) Styrene	10.79	104	183424	21.126	ug/l	97
71) Bromoform	10.77	173	35675	20.360	ug/l	100
73) Isopropylbenzene	11.12	105	378126	23.105	ug/l	95
74) N-amyl acetate	11.37	43	95099	20.857	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.70	83	73816	24.711	ug/l	93
76) 1,2,3-Trichloropropane	11.86	75	31989	21.790	ug/l	95
77) Bromobenzene	11.50	156	78021	21.788	ug/l	82
78) n-propylbenzene	11.59	91	445001	23.240	ug/l	97
79) 2-Chlorotoluene	11.72	91	251253	22.977	ug/l	97
80) 1,3,5-Trimethylbenzene	11.82	105	312215	23.145	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.86	75	31989	27.726	ug/l	92
82) 4-Chlorotoluene	11.89	91	257104	22.536	ug/l	98
83) tert-Butylbenzene	12.13	119	324413	23.541	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	306574	23.207	ug/l	93
85) sec-Butylbenzene	12.31	105	430793	22.724	ug/l	100
86) p-Isopropyltoluene	12.46	119	353111	22.619	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	152872	21.750	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	148506	22.276	ug/l	98
89) n-Butylbenzene	12.84	91	367116	21.653	ug/l	95
90) Hexachloroethane	12.92	117	89700	22.594	ug/l	87
91) 1,2-Dichlorobenzene	12.94	146	152794	23.236	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	11855	22.843	ug/l	91

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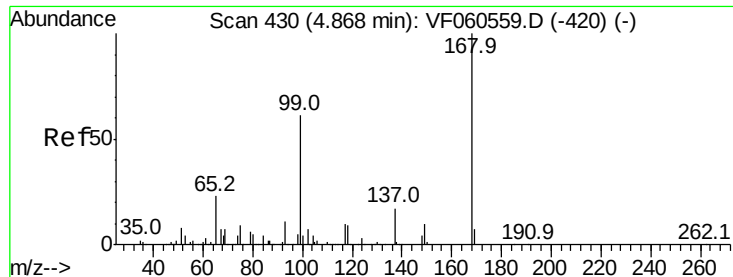
Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Nov 09 12:31:49 2018
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Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	106352	23.807	ug/l	96
94) Hexachlorobutadiene	14.19	225	63202	21.833	ug/l	96
95) Naphthalene	14.46	128	204164	22.834	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	98274	23.288	ug/l	97

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

[illegible]



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

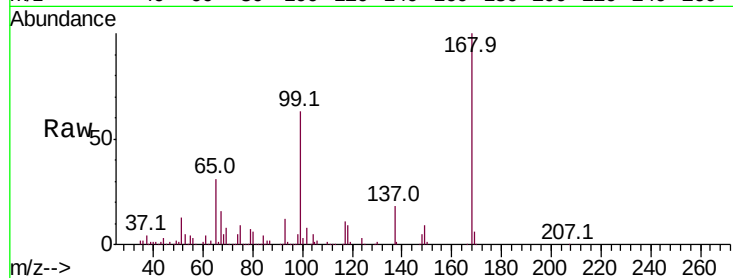
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 255718

Ion Ratio Lower Upper

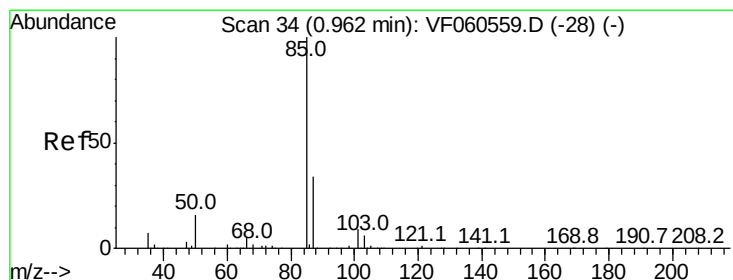
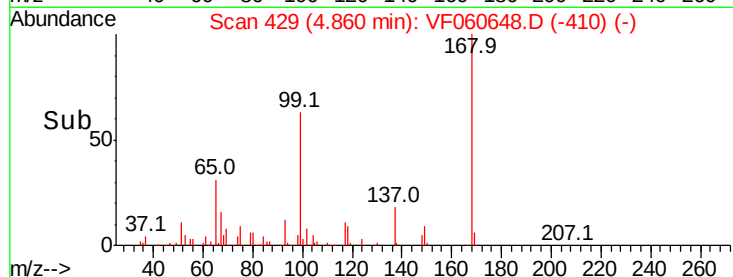
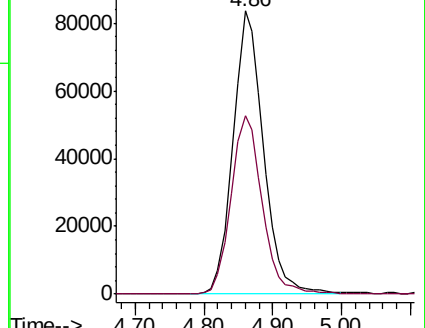
168 100

99 62.8 48.6 72.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 31.979 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF060648.D

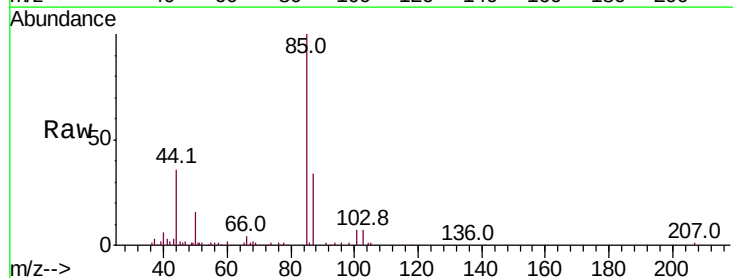
Acq: 8 Nov 2018 14:00

Tgt Ion: 85 Resp: 89304

Ion Ratio Lower Upper

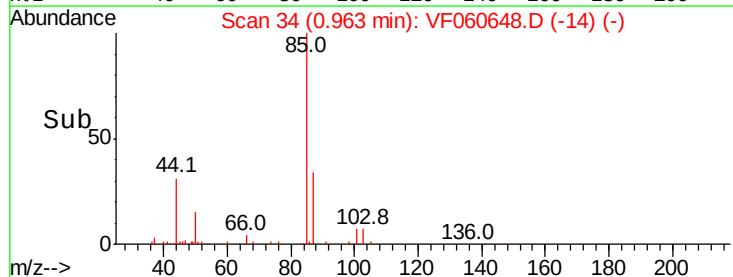
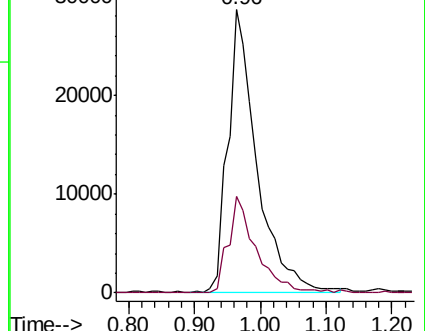
85 100

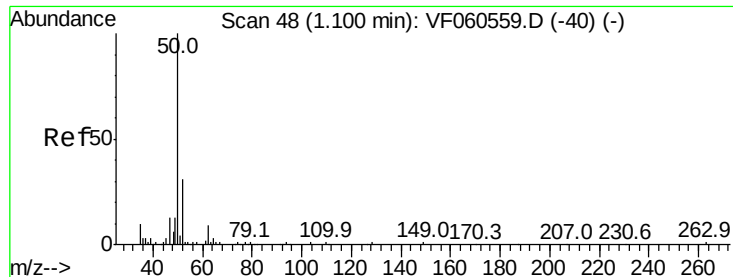
87 34.2 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 26.603 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

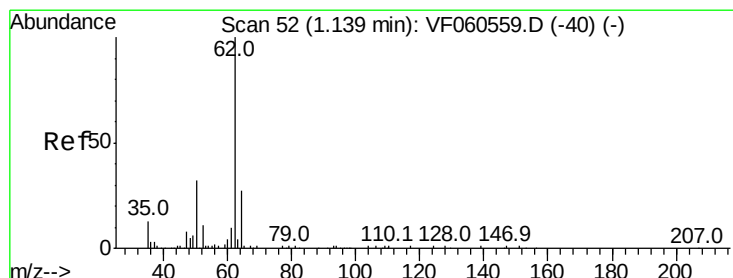
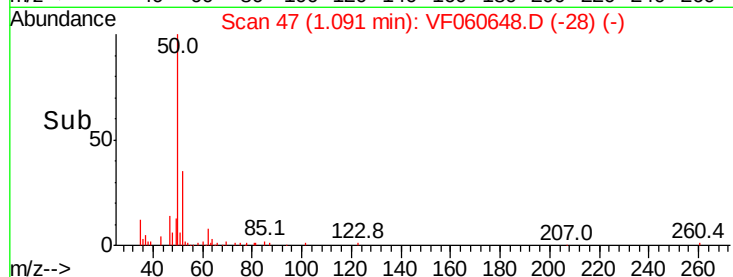
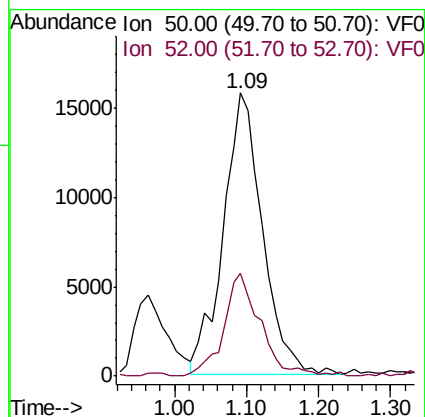
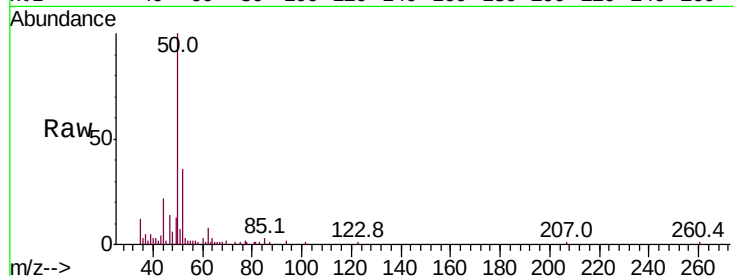
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 59539

Ion Ratio Lower Upper

50 100

52 36.3 24.0 36.0#



#4

Vinyl Chloride

Concen: 26.570 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF060648.D

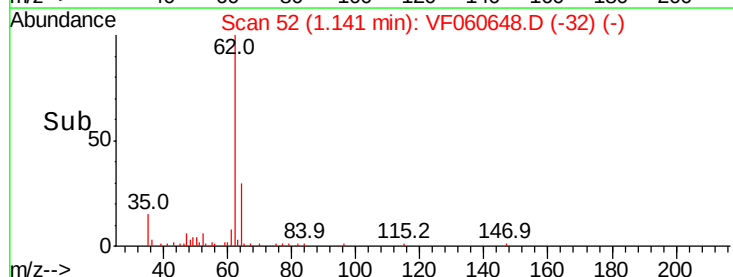
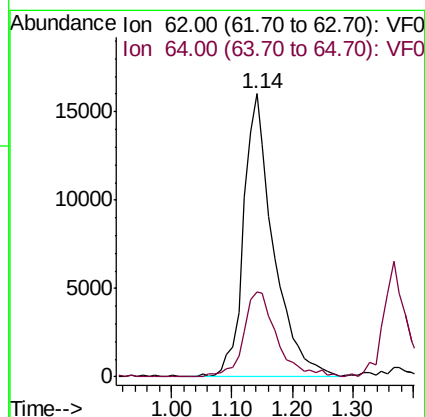
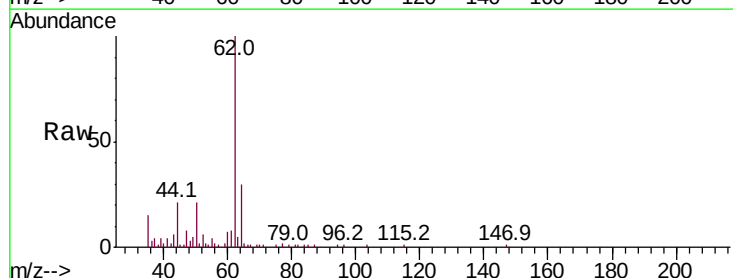
Acq: 8 Nov 2018 14:00

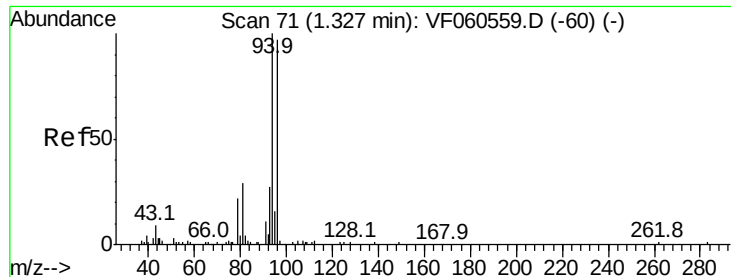
Tgt Ion: 62 Resp: 54794

Ion Ratio Lower Upper

62 100

64 30.2 21.8 32.6





#5

Bromomethane

Concen: 25.752 ug/l

RT: 1.30 min Scan# 68

Delta R.T. -0.03 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

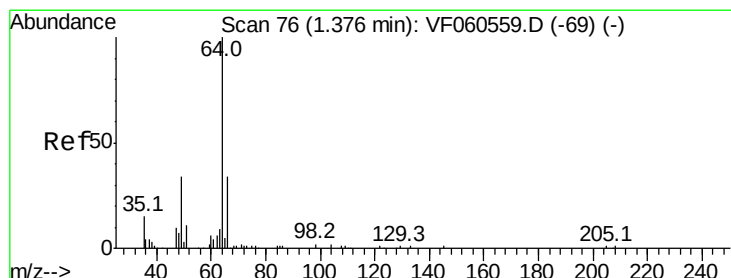
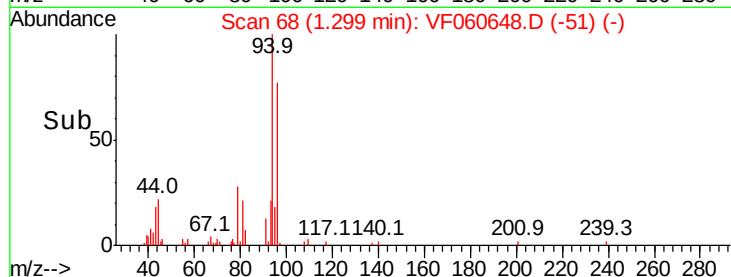
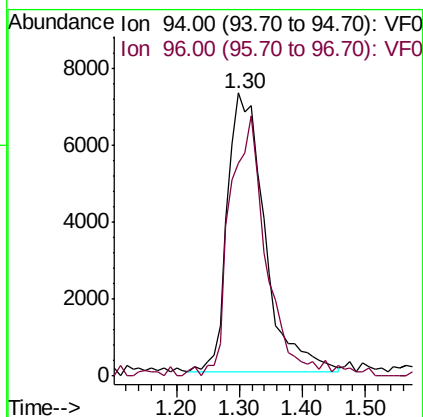
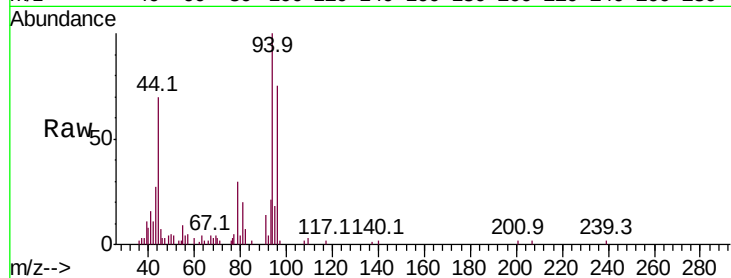
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 29811

Ion Ratio Lower Upper

94 100

96 75.4 77.9 116.9#



#6

Chloroethane

Concen: 21.681 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.01 min

Lab File: VF060648.D

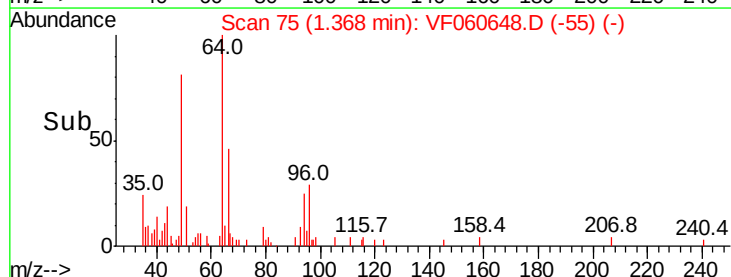
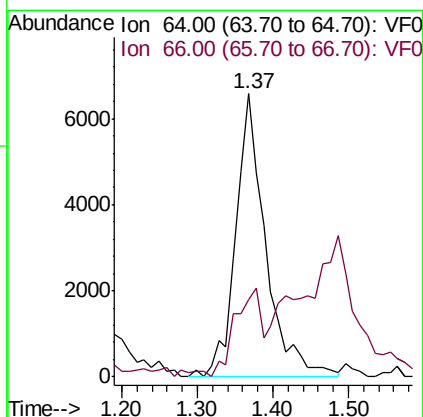
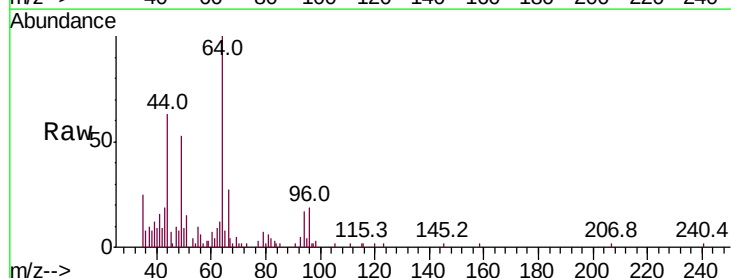
Acq: 8 Nov 2018 14:00

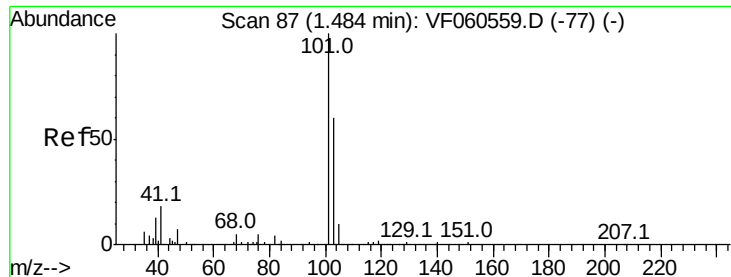
Tgt Ion: 64 Resp: 17956

Ion Ratio Lower Upper

64 100

66 27.4 27.8 41.8#



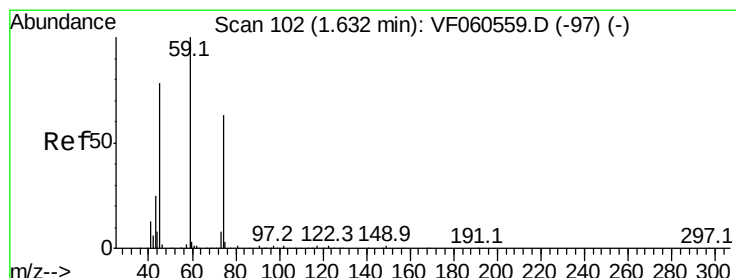
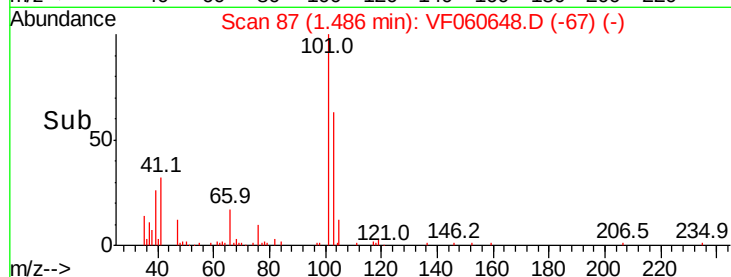
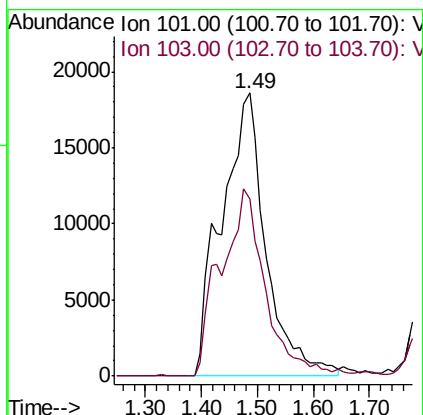
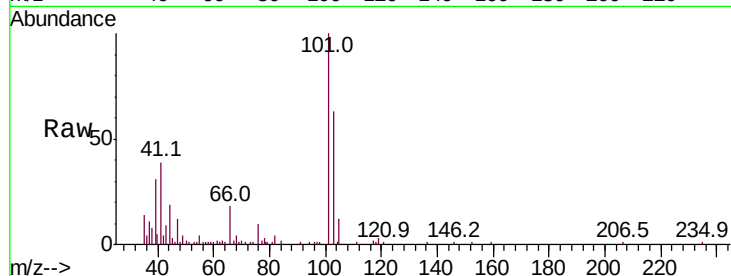


#7

Trichlorofluoromethane
 Concen: 26.463 ug/l
 RT: 1.49 min Scan# 87
 Delta R.T. 0.00 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Instrument :
 MSVOA_F
 ClientSampled :

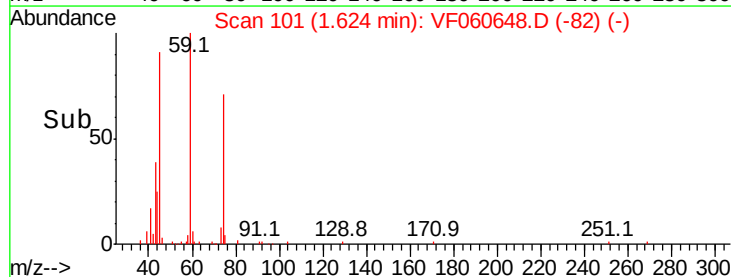
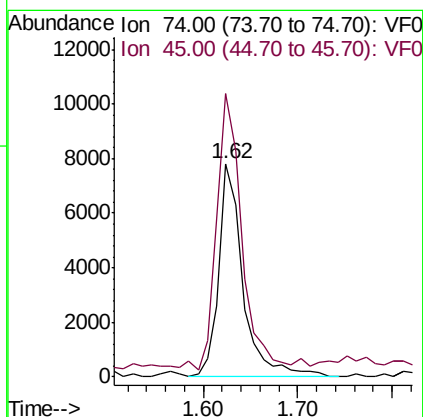
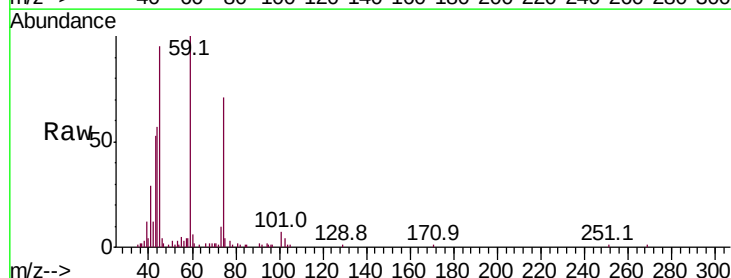
Tot Ion:101 Resp: 102144
 Ion Ratio Lower Upper
 101 100
 103 62.5 48.0 72.0

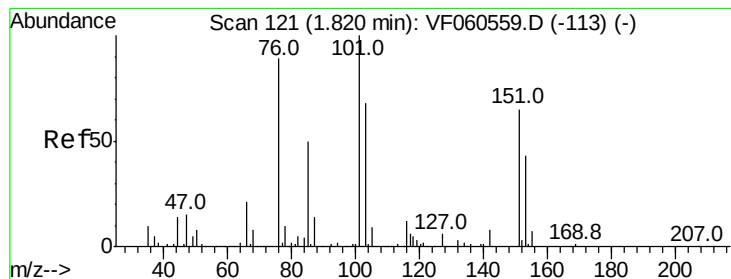


#8

Diethyl Ether
 Concen: 19.434 ug/l
 RT: 1.62 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Tgt Ion: 74 Resp: 13903
 Ion Ratio Lower Upper
 74 100
 45 132.6 63.8 191.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.757 ug/l

RT: 1.82 min Scan# 121

Delta R.T. 0.00 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

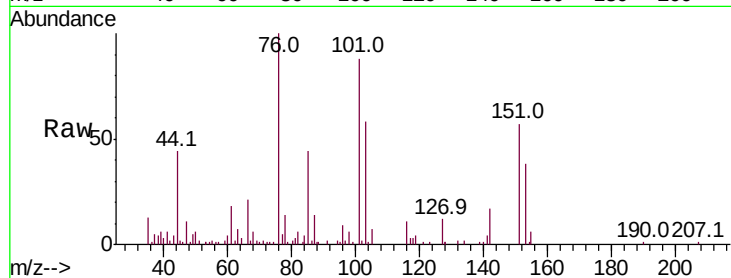
Tot Ion:101 Resp: 52400

Ion Ratio Lower Upper

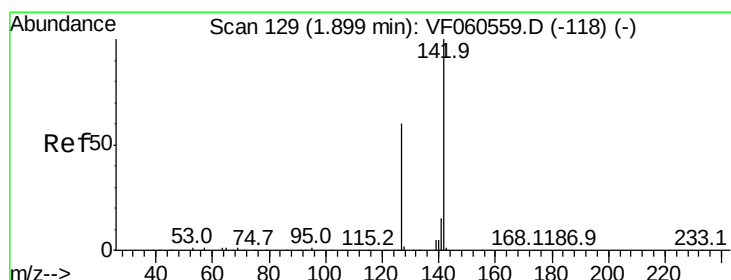
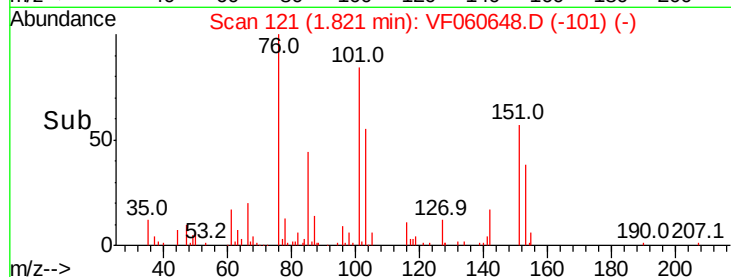
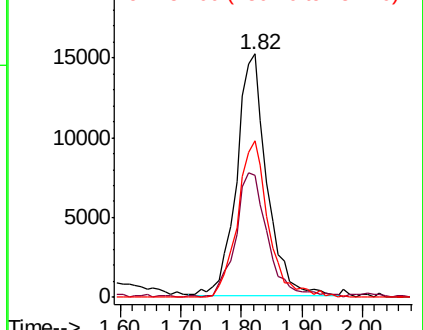
101 100

85 50.3 39.8 59.6

151 64.5 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VF0
Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 17.279 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.02 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

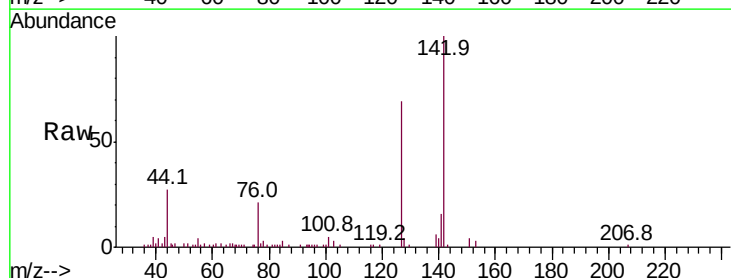
Tgt Ion:142 Resp: 62718

Ion Ratio Lower Upper

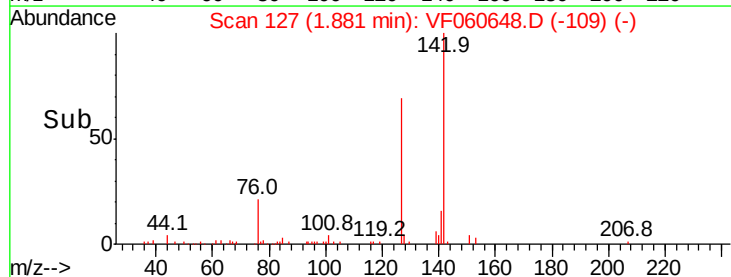
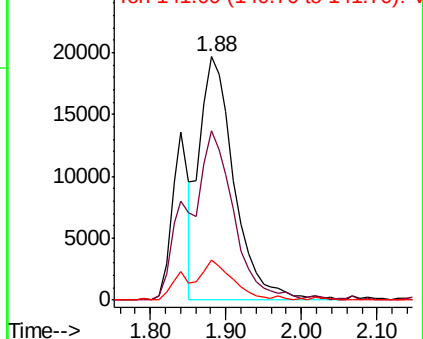
142 100

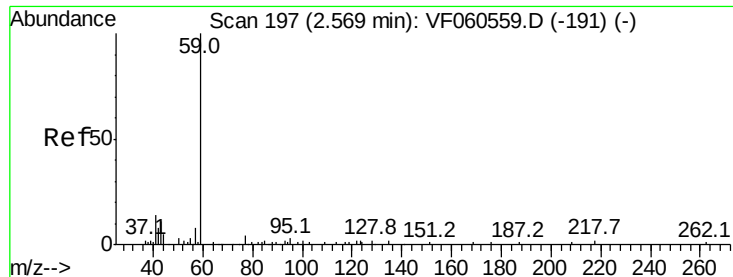
127 69.5 47.8 71.6

141 16.4 12.7 19.1



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V



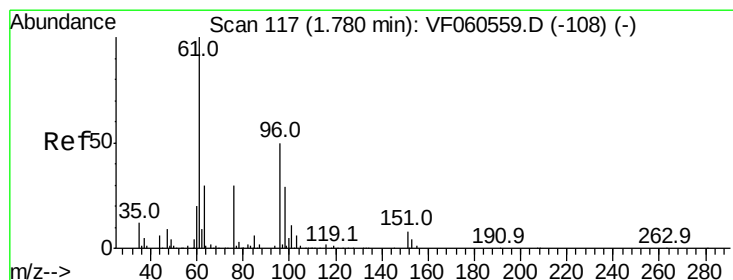
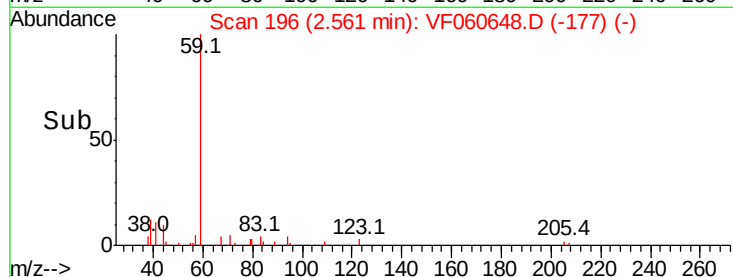
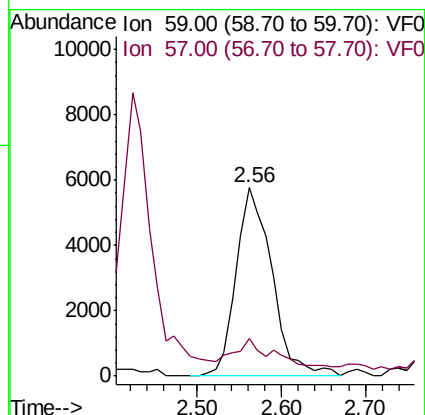
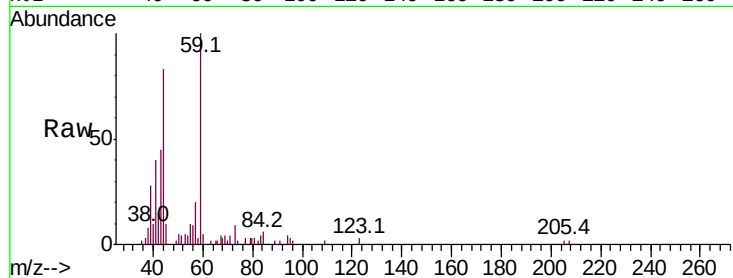


#11

Tert butyl alcohol
 Concen: 124.064 ug/l
 RT: 2.56 min Scan# 196
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Instrument :
 MSVOA_F
 ClientSampled :

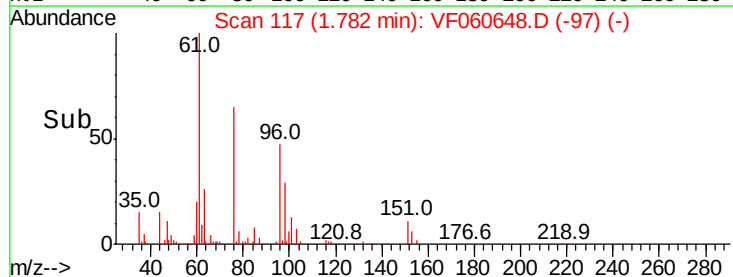
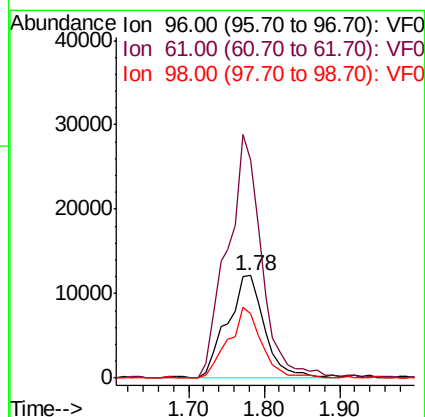
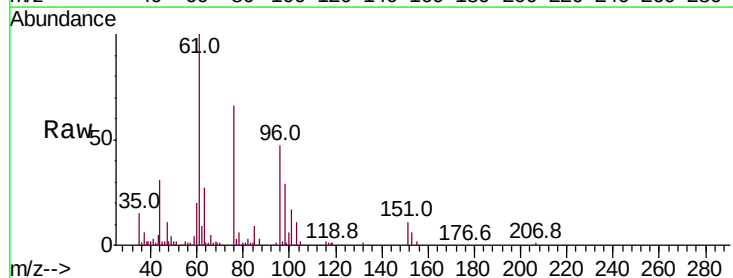
Tot Ion: 59 Resp: 17249
 Ion Ratio Lower Upper
 59 100
 57 19.7 19.0 28.4

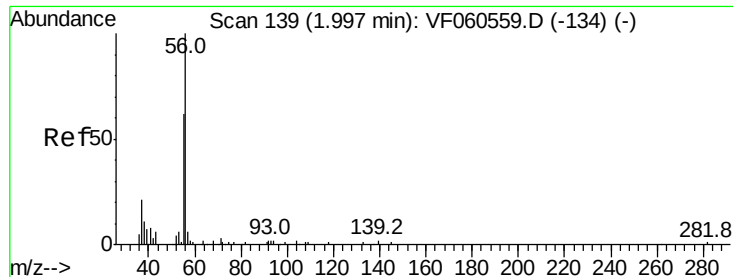


#12

1,1-Dichloroethene
 Concen: 22.629 ug/l
 RT: 1.78 min Scan# 117
 Delta R.T. 0.00 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Tgt Ion: 96 Resp: 42039
 Ion Ratio Lower Upper
 96 100
 61 212.2 158.1 237.1
 98 62.6 47.0 70.6





#13

Acrolein

Concen: 96.100 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

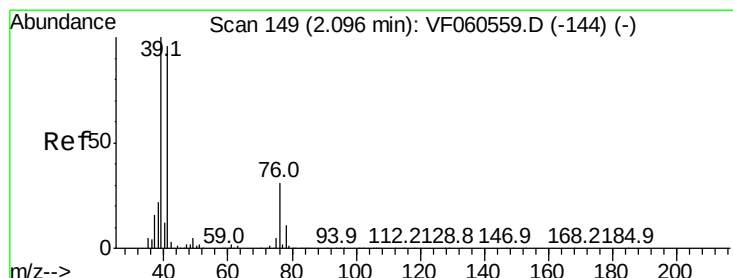
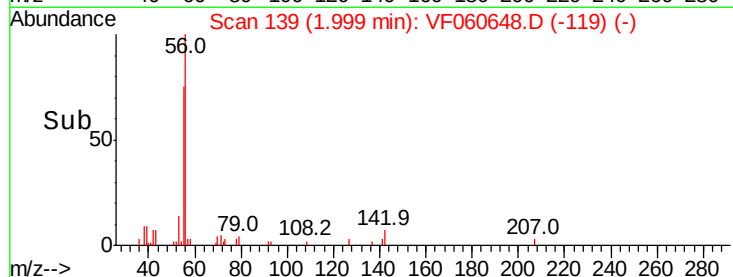
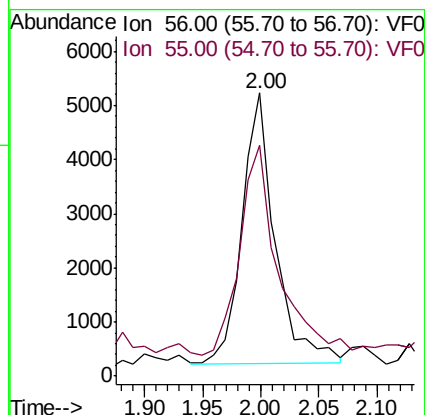
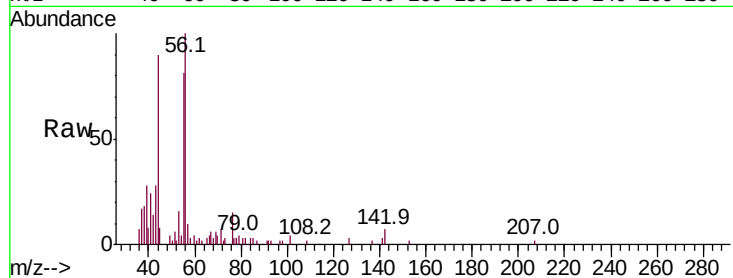
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 9902

Ion Ratio Lower Upper

56 100

55 81.4 61.8 92.6



#14

Allyl chloride

Concen: 24.324 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

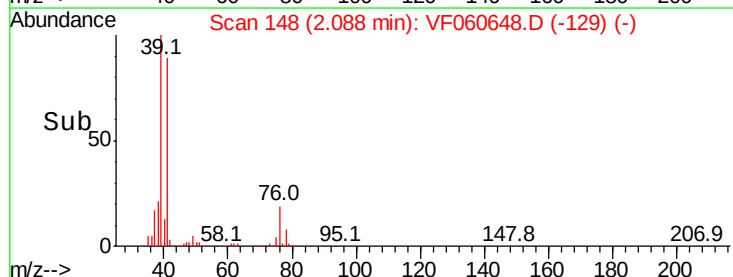
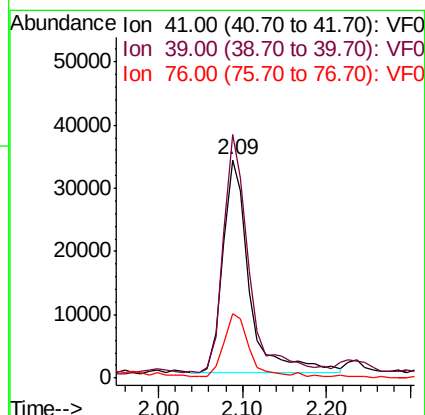
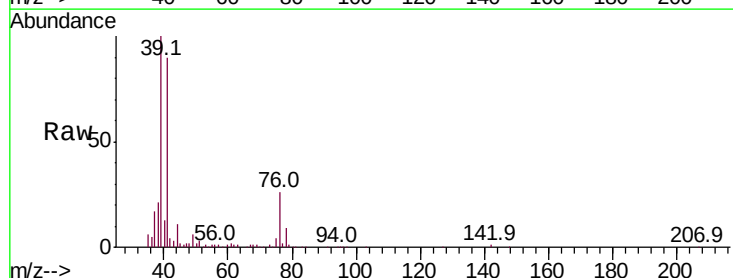
Tgt Ion: 41 Resp: 73782

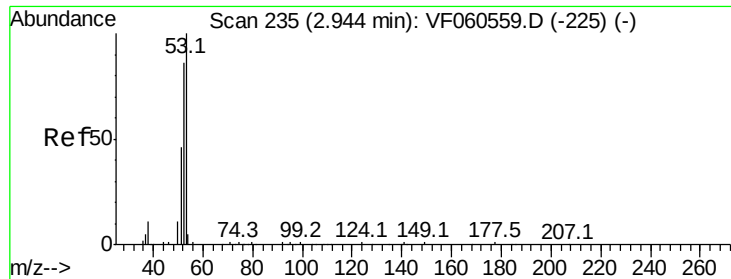
Ion Ratio Lower Upper

41 100

39 111.5 82.6 124.0

76 29.4 26.7 40.1





#15

Acrylonitrile

Concen: 114.607 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.02 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

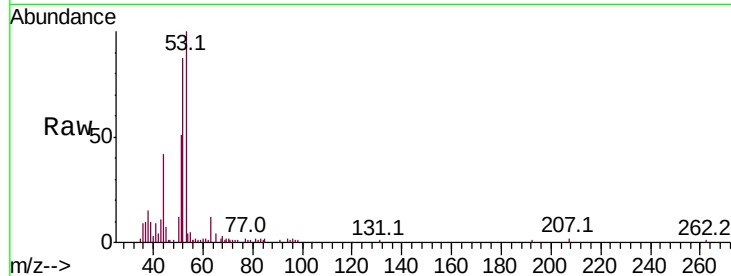
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 53 Resp: 35290

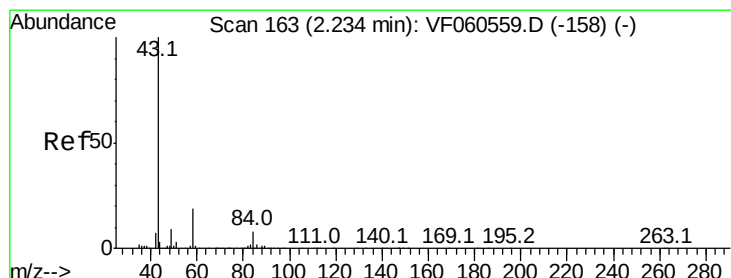
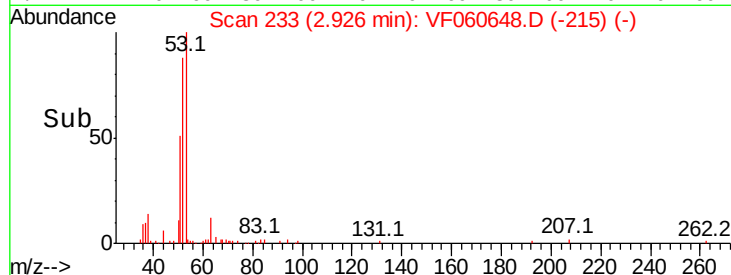
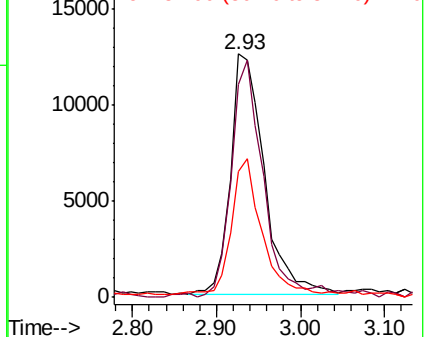
Ion	Ratio	Lower	Upper
53	100		
52	87.4	68.5	102.7
51	51.4	38.2	57.2



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 155.057 ug/l

RT: 2.24 min Scan# 163

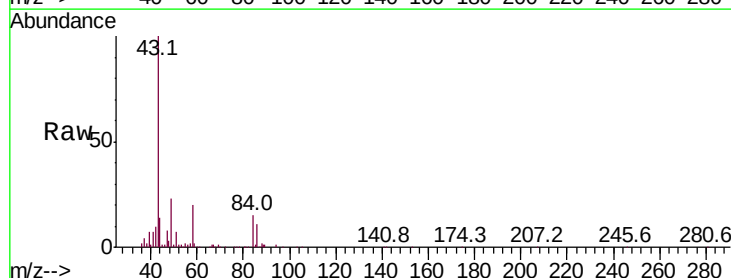
Delta R.T. 0.00 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

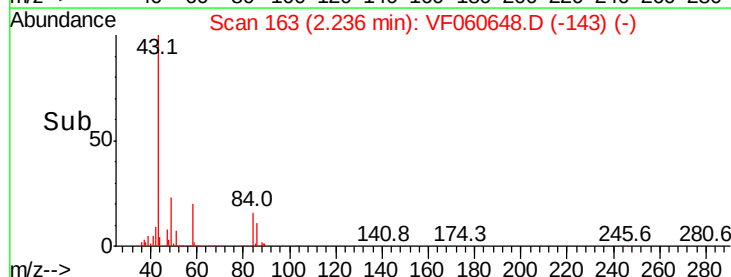
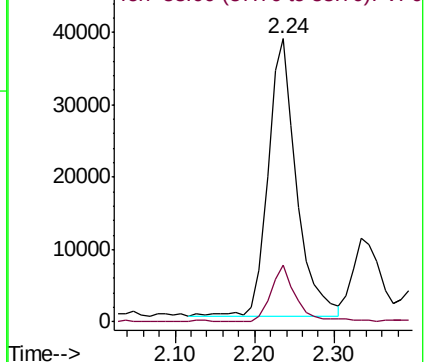
Tgt Ion: 43 Resp: 94402

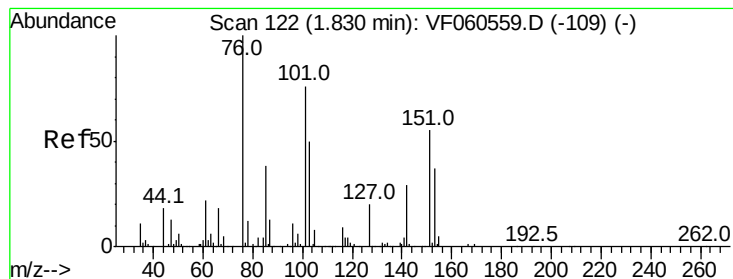
Ion	Ratio	Lower	Upper
43	100		
58	19.9	14.6	22.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 23.223 ug/l

RT: 1.80 min Scan# 119

Delta R.T. -0.03 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

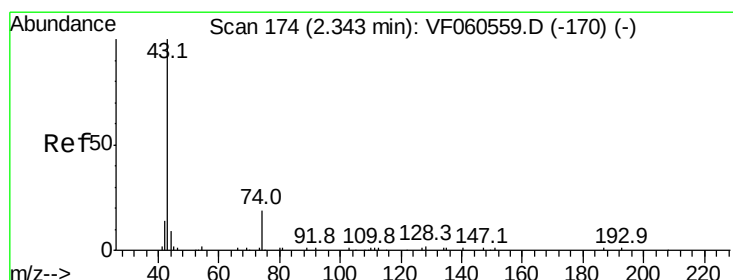
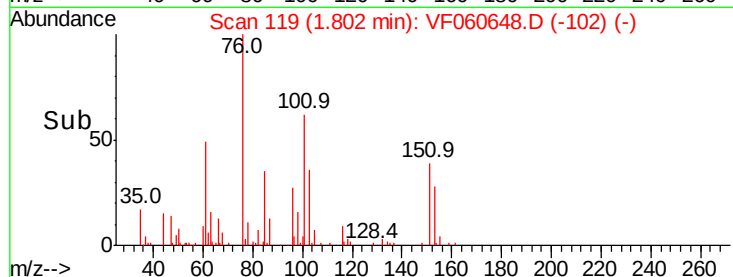
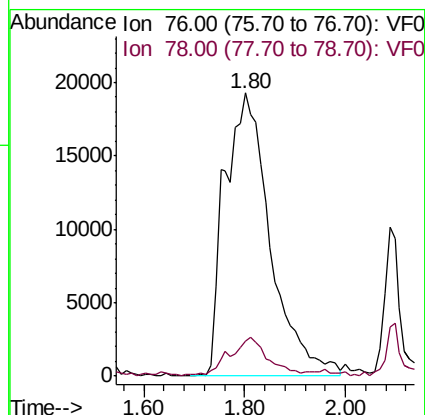
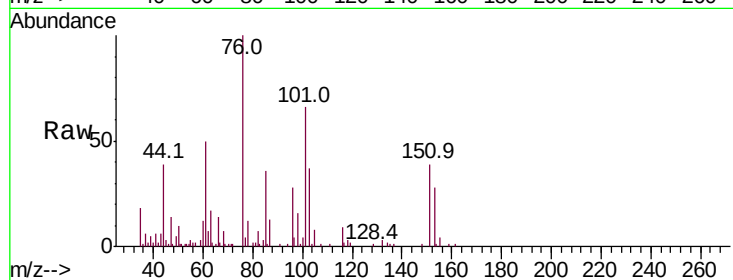
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 121526

Ion Ratio Lower Upper

76 100

78 12.3 9.9 14.9



#18

Methyl Acetate

Concen: 25.256 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.01 min

Lab File: VF060648.D

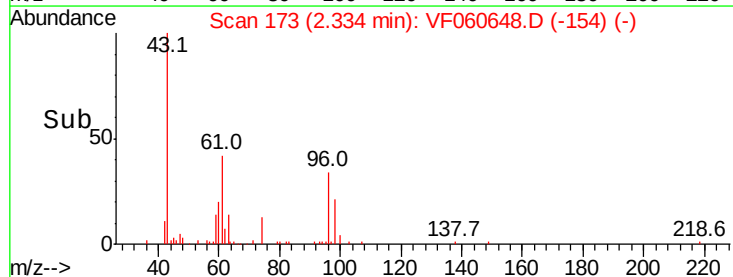
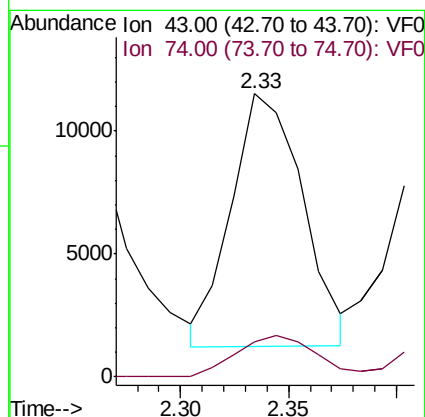
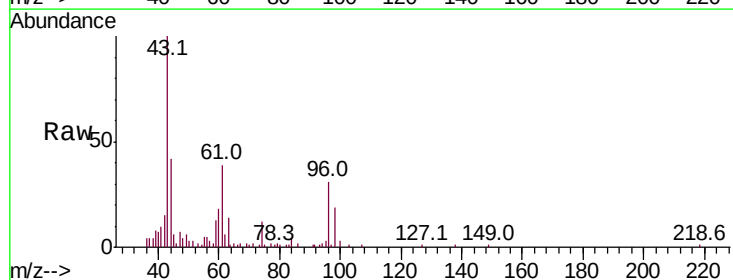
Acq: 8 Nov 2018 14:00

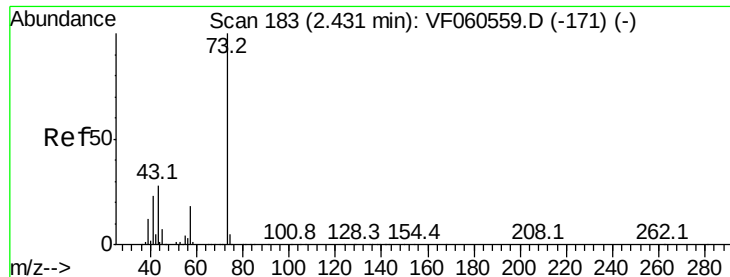
Tgt Ion: 43 Resp: 23658

Ion Ratio Lower Upper

43 100

74 12.4 12.1 18.1



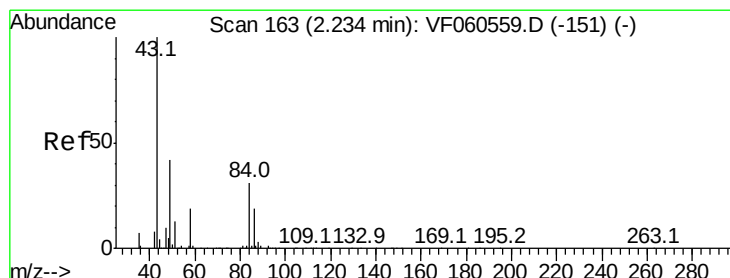
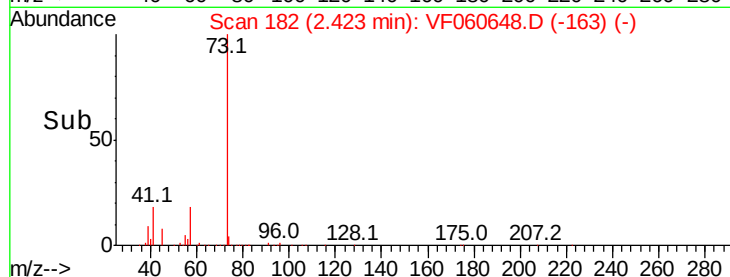
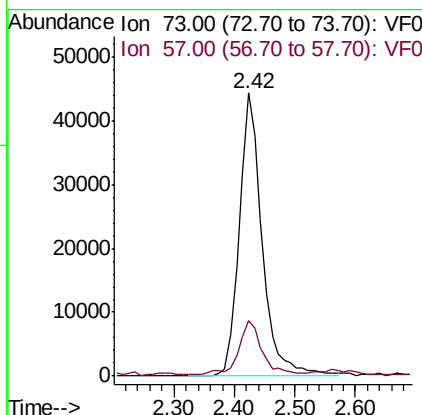
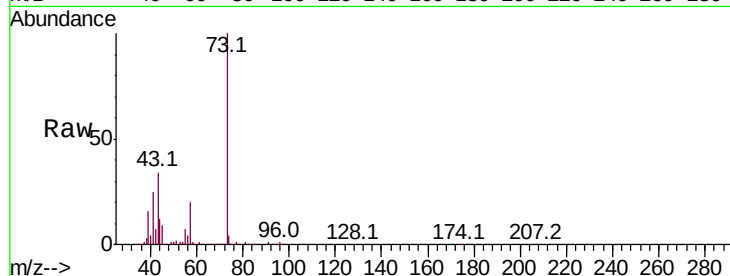


#19

Methyl tert-butyl Ether
 Concen: 26.798 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Instrument :
 MSVOA_F
 ClientSampleId :

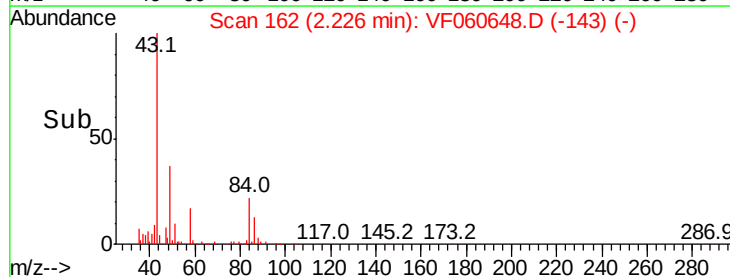
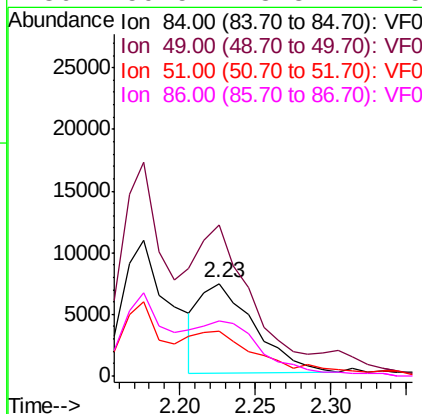
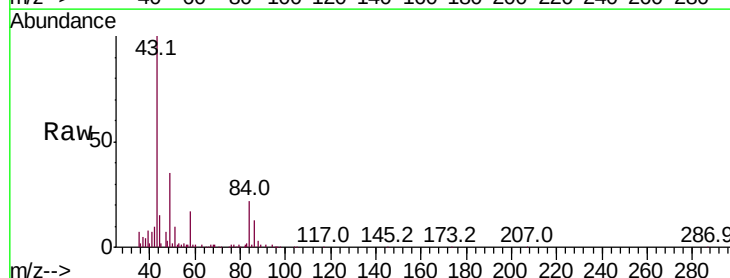
Tot Ion: 73 Resp: 116374
 Ion Ratio Lower Upper
 73 100
 57 19.5 15.4 23.0

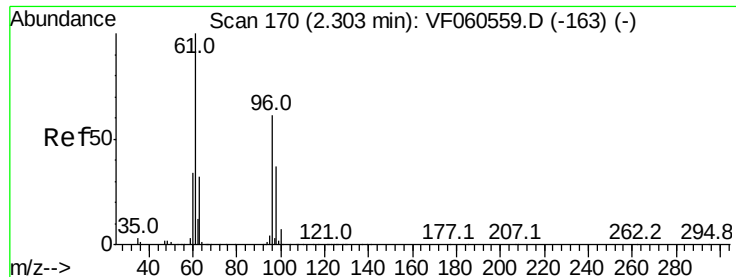


#20

Methylene Chloride
 Concen: 5.084 ug/l
 RT: 2.23 min Scan# 162
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Tgt Ion: 84 Resp: 18039
 Ion Ratio Lower Upper
 84 100
 49 163.8 109.9 164.9
 51 48.5 35.8 53.8
 86 59.5 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 23.812 ug/l

RT: 2.30 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :

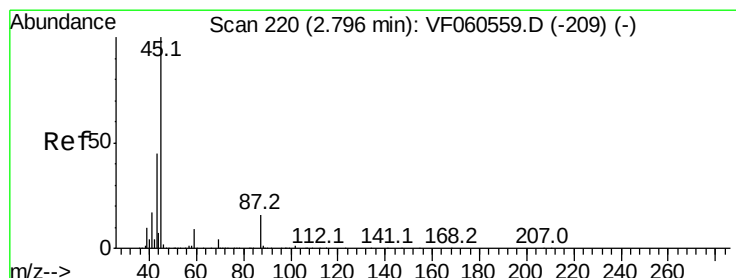
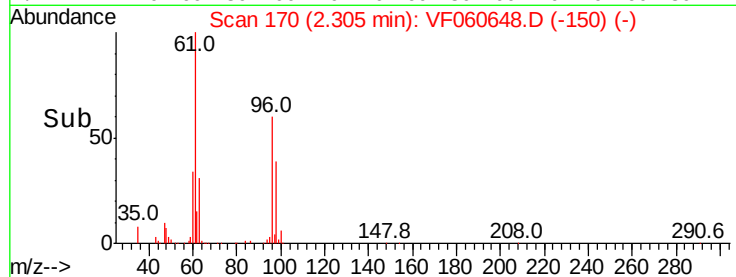
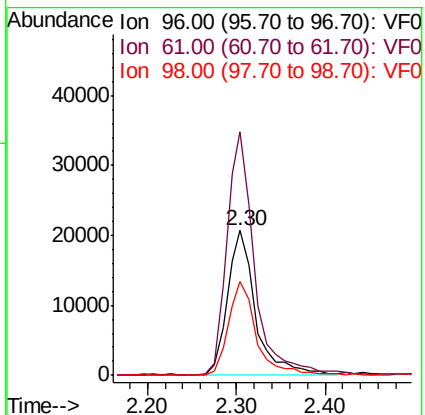
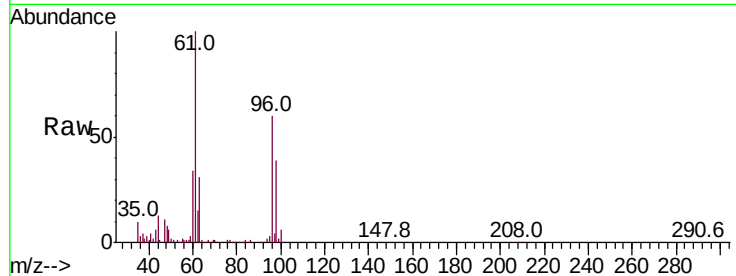
Tot Ion: 96 Resp: 46408

Ion Ratio Lower Upper

96 100

61 167.9 131.3 196.9

98 65.0 48.6 73.0



#22

Diisopropyl ether

Concen: 23.824 ug/l

RT: 2.80 min Scan# 220

Delta R.T. 0.00 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Tgt Ion: 45 Resp: 153110

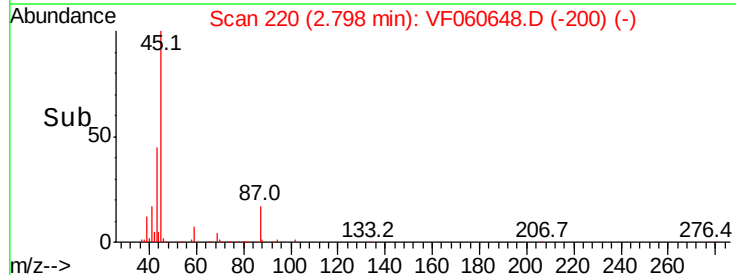
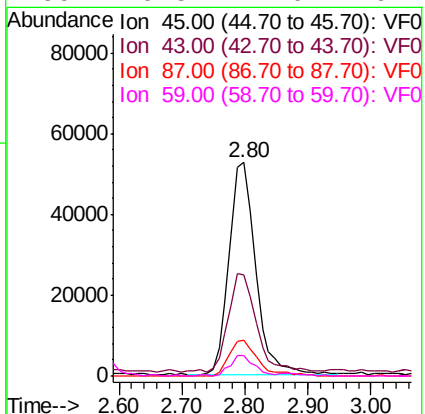
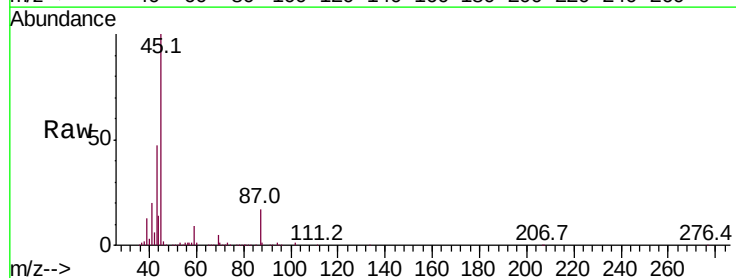
Ion Ratio Lower Upper

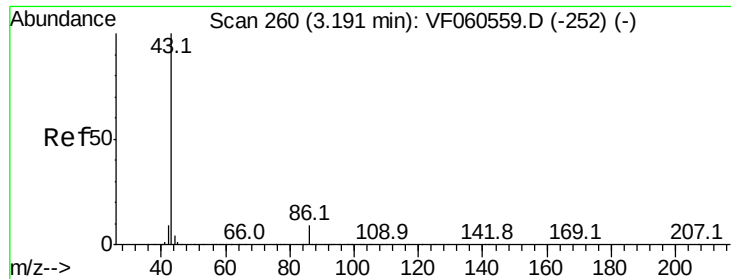
45 100

43 47.4 38.1 57.1

87 17.0 12.7 19.1

59 9.5 7.0 10.4





#23

Vinyl Acetate

Concen: 116.253 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

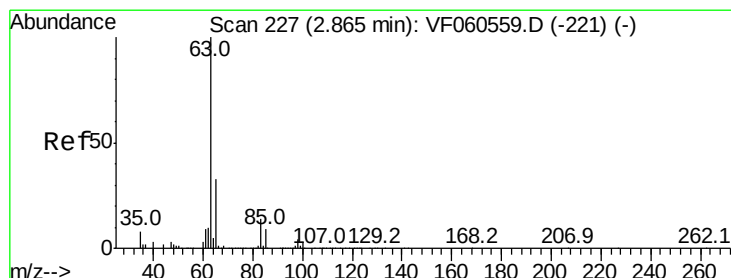
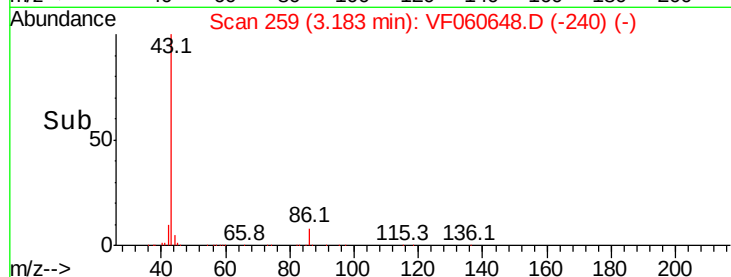
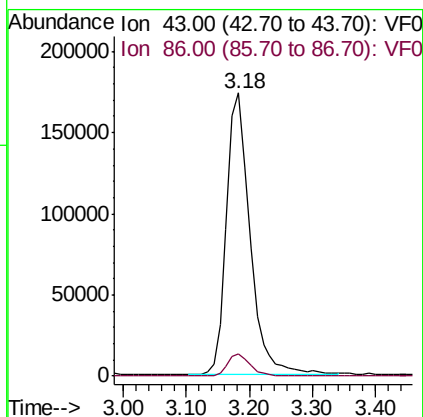
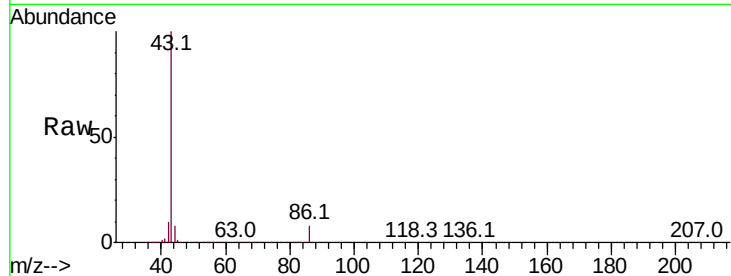
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 448901

Ion Ratio Lower Upper

43 100

86 8.0 7.1 10.7



#24

1,1-Dichloroethane

Concen: 25.618 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.00 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

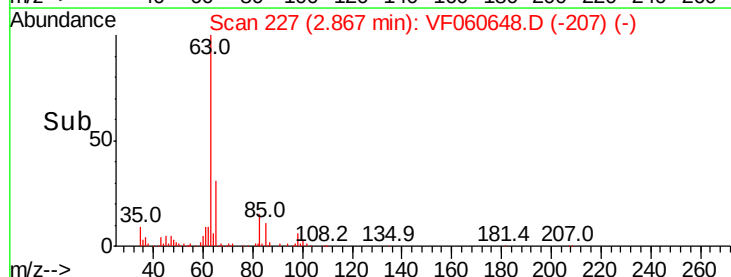
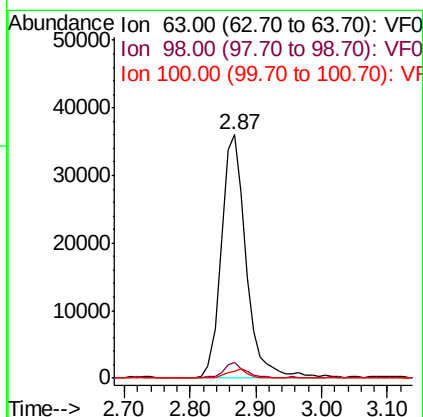
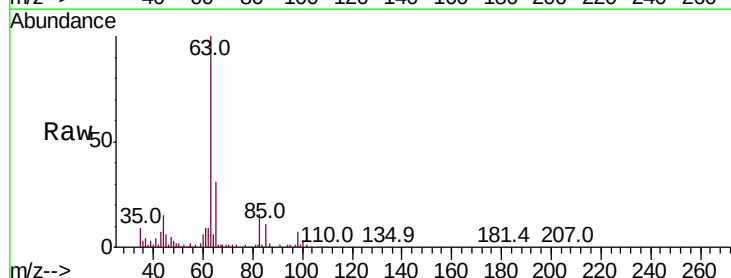
Tgt Ion: 63 Resp: 95283

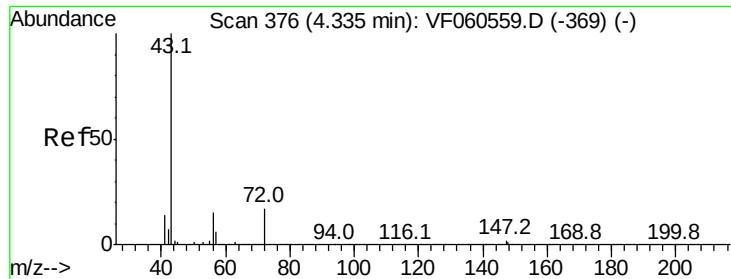
Ion Ratio Lower Upper

63 100

98 6.7 2.2 6.6#

100 2.6 1.4 4.0





#25

2-Butanone

Concen: 122.730 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

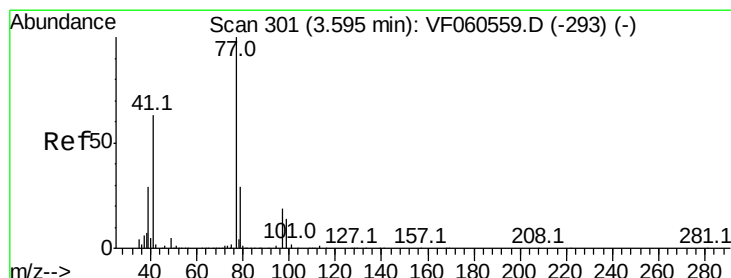
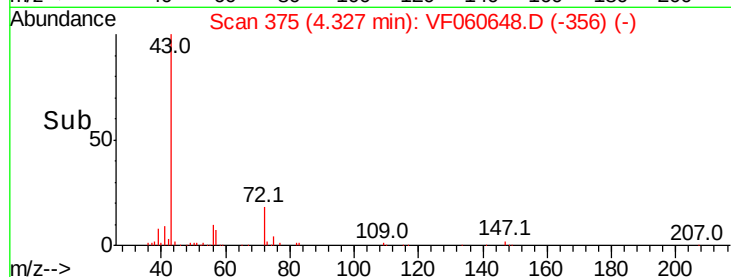
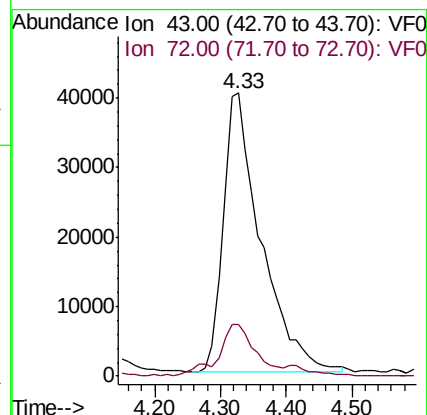
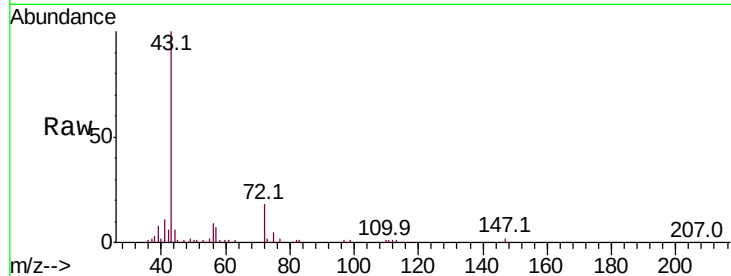
ClientSampled :

Tot Ion: 43 Resp: 159225

Ion Ratio Lower Upper

43 100

72 18.1 16.2 24.2



#26

2,2-Dichloropropane

Concen: 25.124 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.01 min

Lab File: VF060648.D

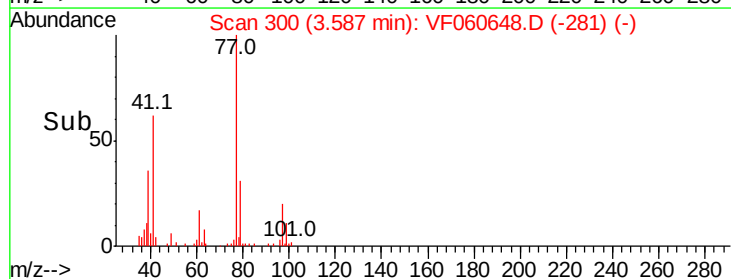
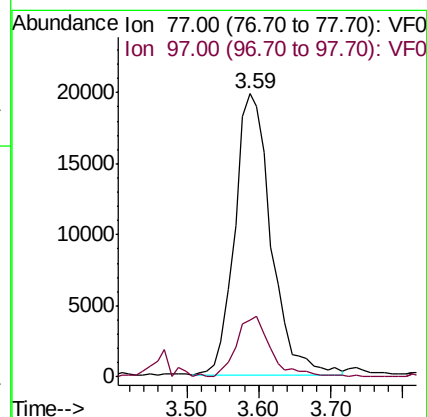
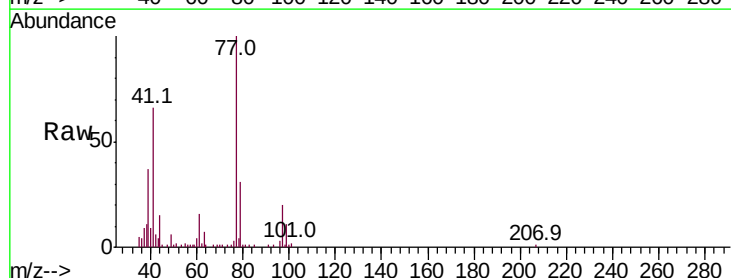
Acq: 8 Nov 2018 14:00

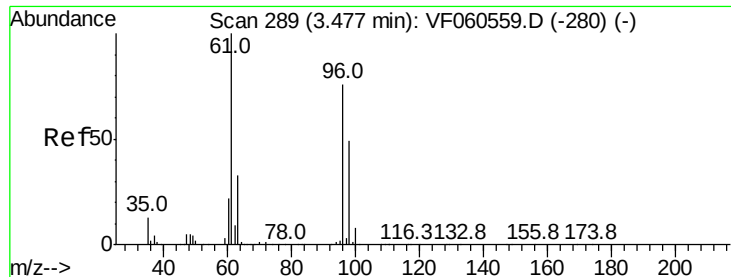
Tgt Ion: 77 Resp: 69922

Ion Ratio Lower Upper

77 100

97 20.2 9.8 29.3



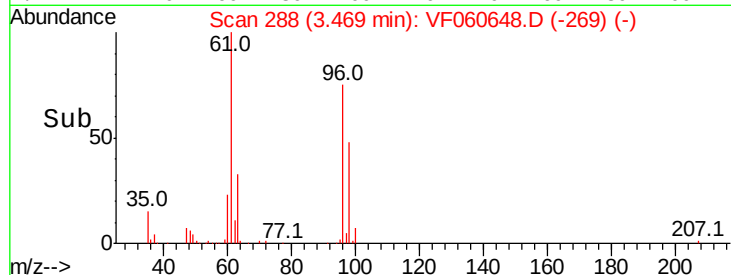
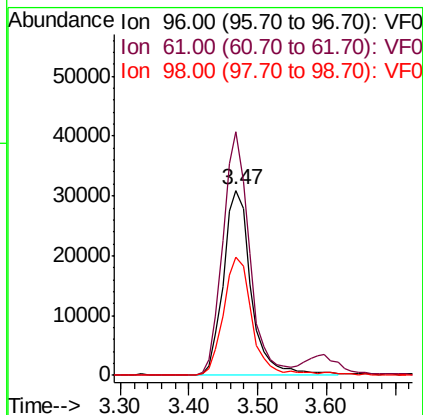
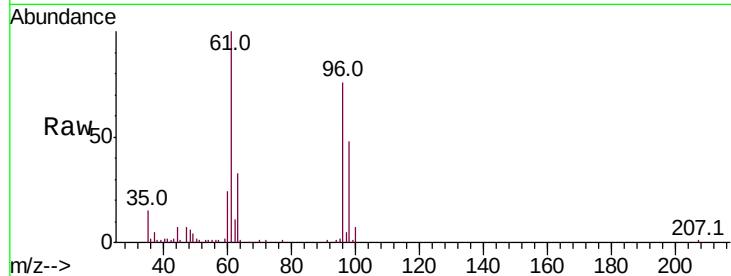


#27

cis-1,2-Dichloroethene
Concen: 23.334 ug/l
RT: 3.47 min Scan# 288
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :

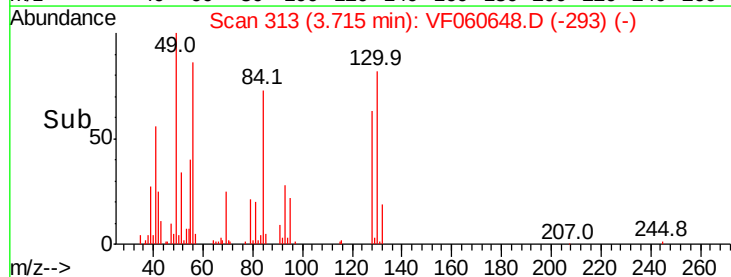
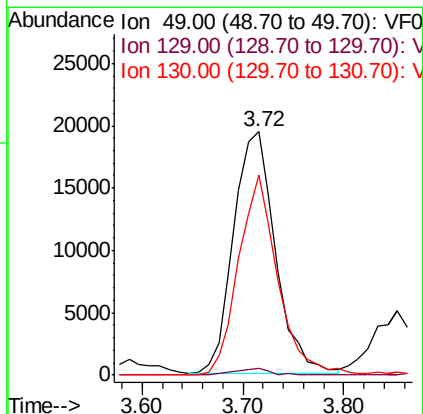
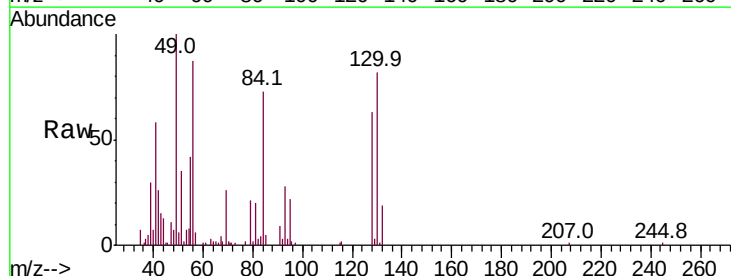
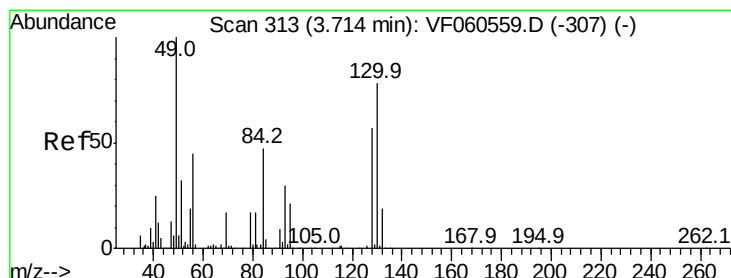
Tot Ion	96	Resp	86815
Ion	Ratio	Lower	Upper
96	100		
61	131.7	0.0	263.0
98	63.6	0.0	130.6

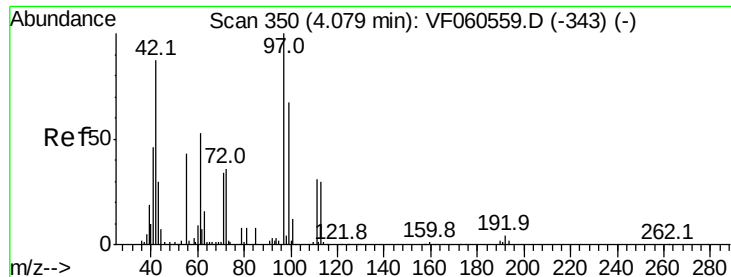


#28

Bromochloromethane
Concen: 23.931 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.00 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Tgt Ion	49	Resp	55859
Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	4.6
130	82.2	61.8	92.8

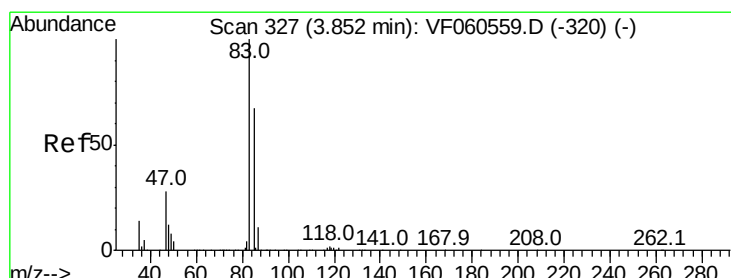
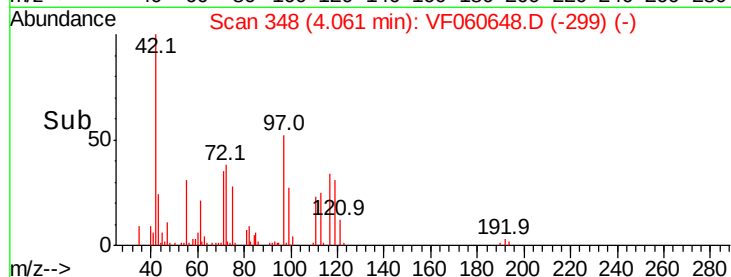
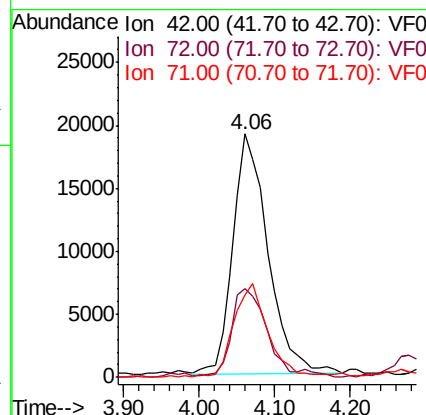
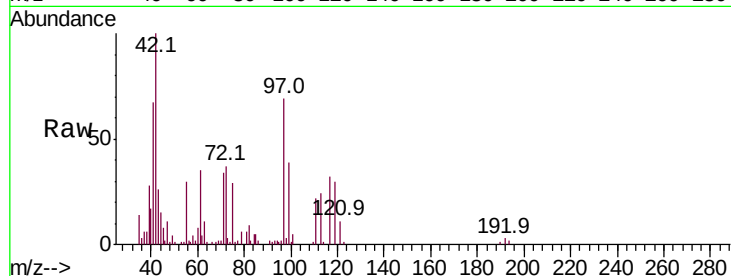




#29
Tetrahydrofuran
Concen: 131.845 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.02 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

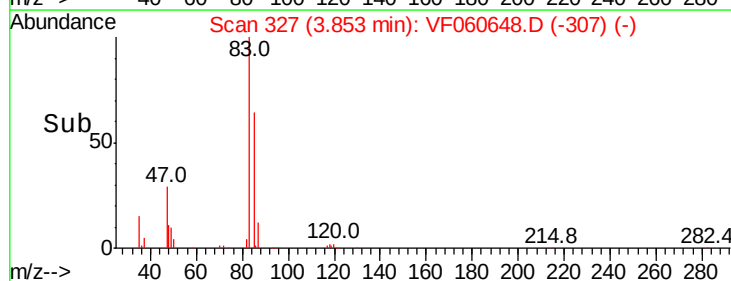
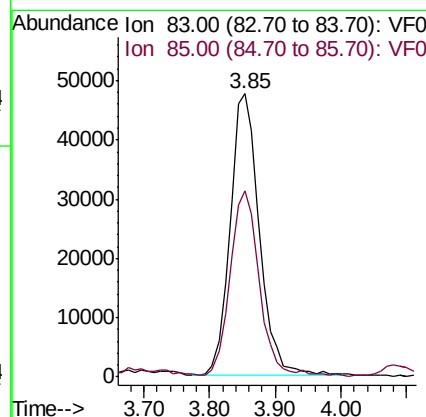
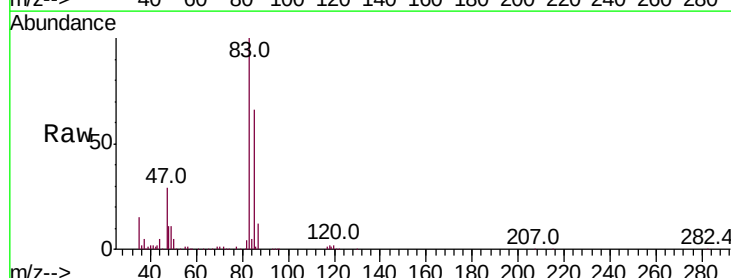
Instrument :
MSVOA_F
ClientSampled :

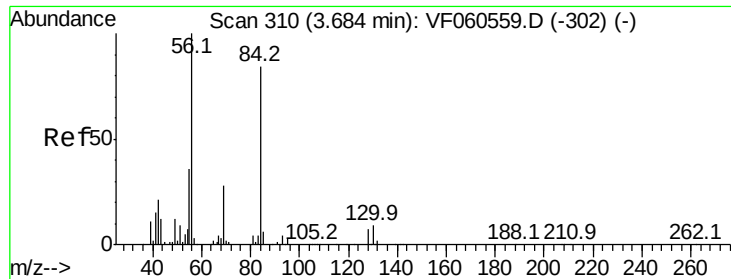
Tot Ion: 42 Resp: 61747
Ion Ratio Lower Upper
42 100
72 33.8 31.4 47.0
71 38.8 31.8 47.6



#30
Chloroform
Concen: 25.090 ug/l
RT: 3.85 min Scan# 327
Delta R.T. 0.00 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Tgt Ion: 83 Resp: 147643
Ion Ratio Lower Upper
83 100
85 65.5 53.7 80.5

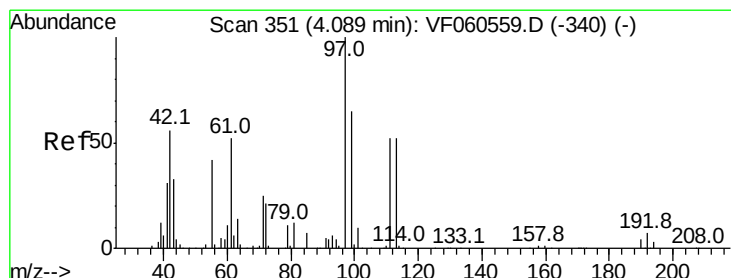
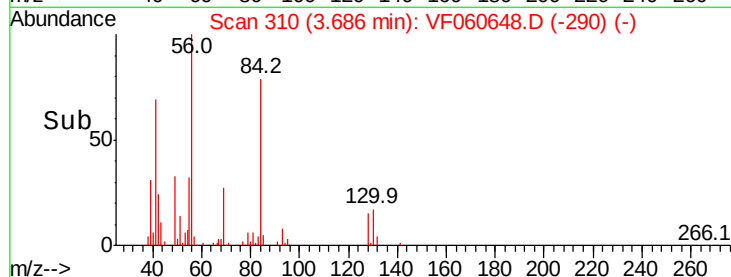
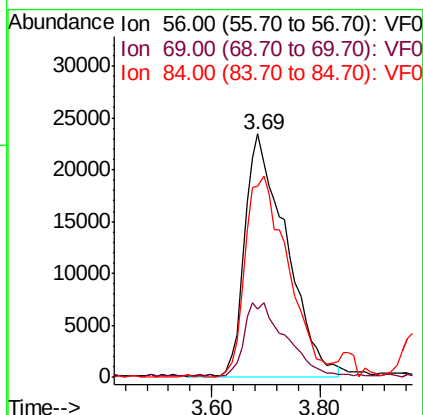
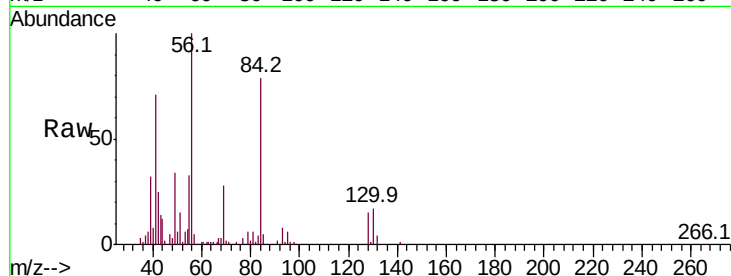




#31
Cyclohexane
Concen: 24.487 ug/l
RT: 3.69 min Scan# 310
Delta R.T. 0.00 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

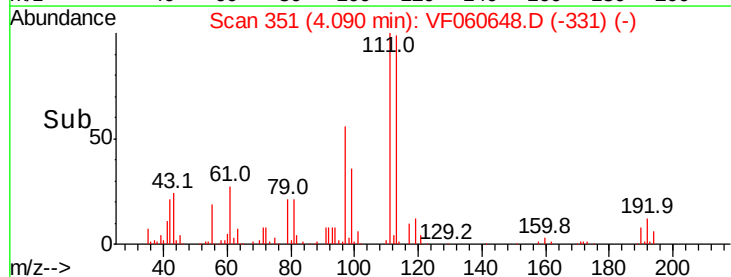
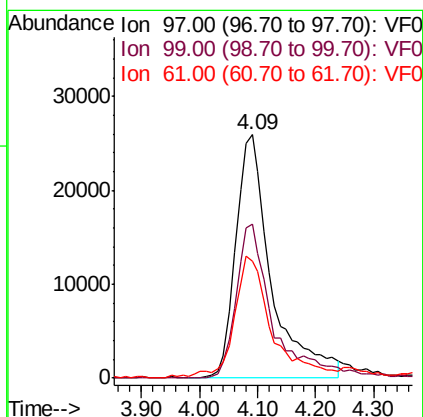
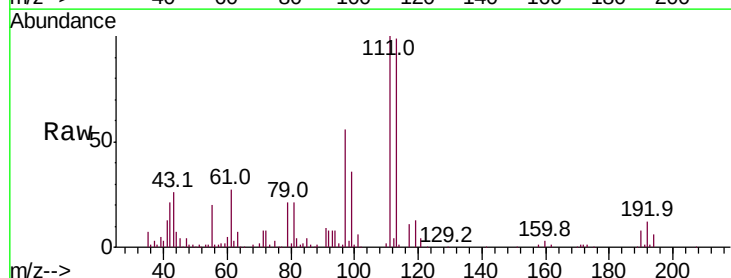
Instrument :
MSVOA_F
ClientSampleId :

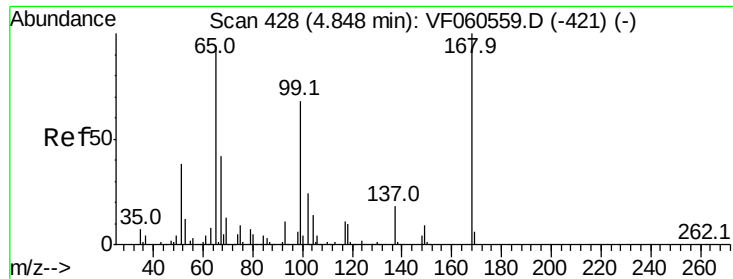
Tot Ion: 56 Resp: 125686
Ion Ratio Lower Upper
56 100
69 28.0 23.0 34.4
84 78.6 67.1 100.7



#32
1,1,1-Trichloroethane
Concen: 27.056 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.00 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Tgt Ion: 97 Resp: 111198
Ion Ratio Lower Upper
97 100
99 63.1 52.4 78.6
61 48.0 41.5 62.3

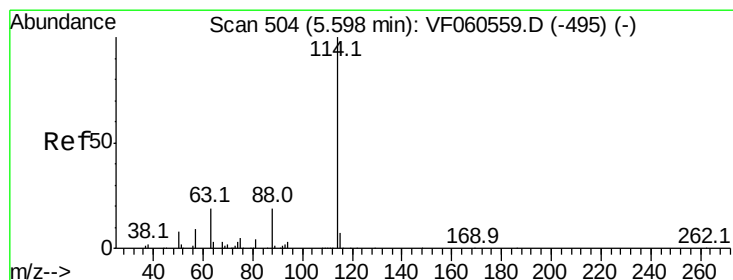
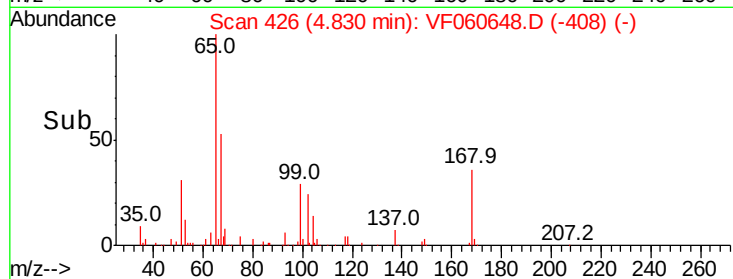
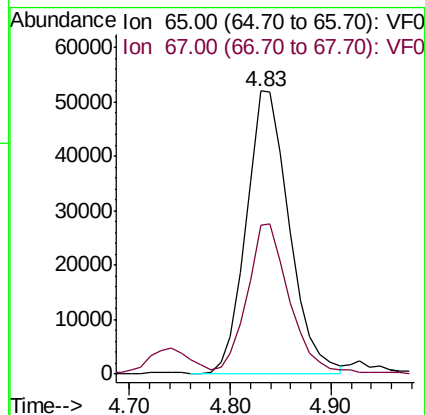
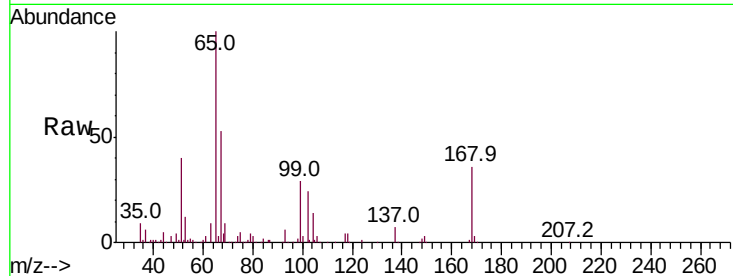




#33
 1,2-Dichloroethane-d4
 Concen: 59.428 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.02 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

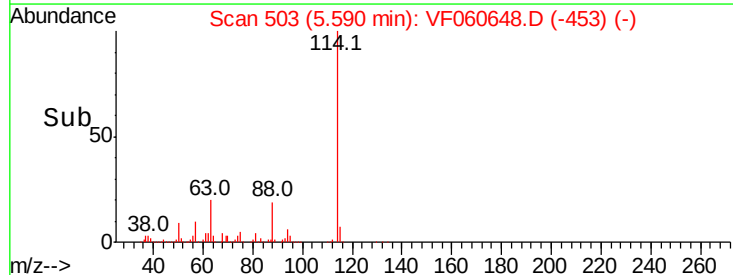
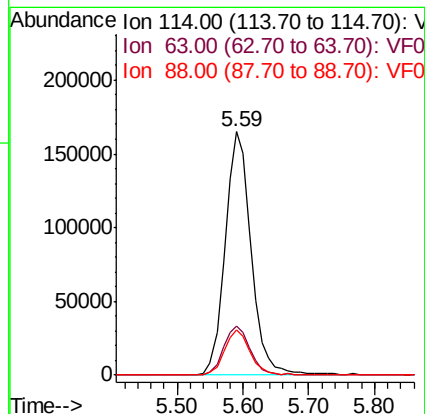
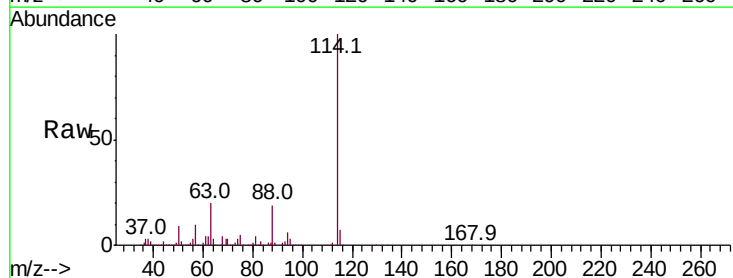
Instrument :
 MSVOA_F
 ClientSampleId :

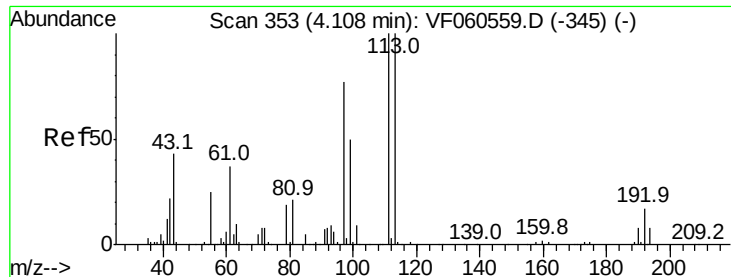
Tot Ion: 65 Resp: 153543
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Tgt Ion: 114 Resp: 455140
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.0
 88 18.8 0.0 38.2





#35

Dibromofluoromethane

Concen: 53.286 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :

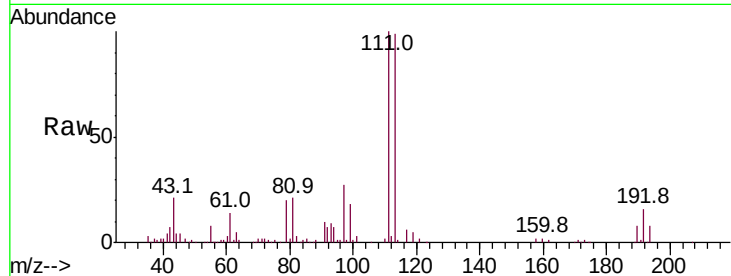
Tot Ion:113 Resp: 187375

Ion Ratio Lower Upper

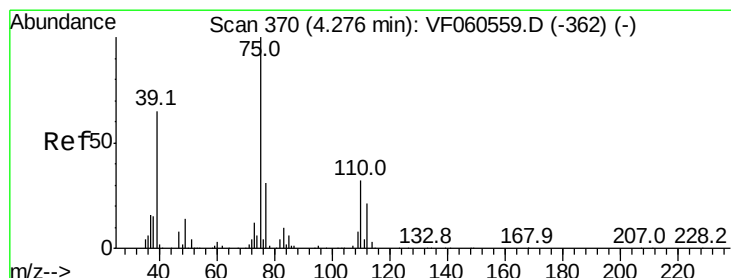
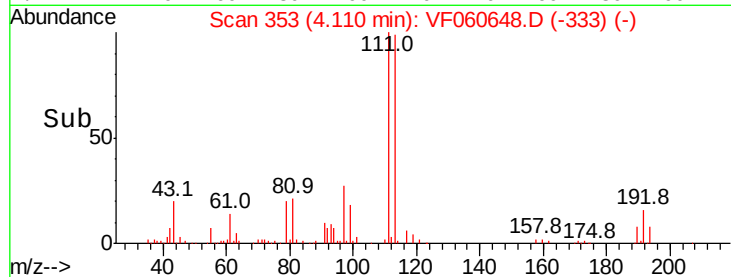
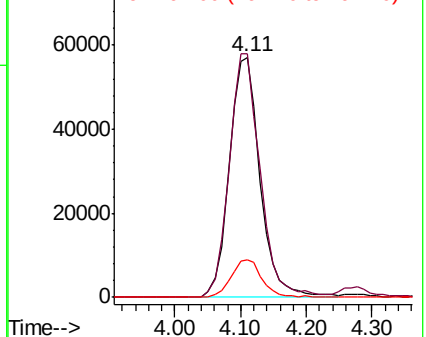
113 100

111 101.3 79.9 119.9

192 15.8 13.3 19.9



Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.804 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

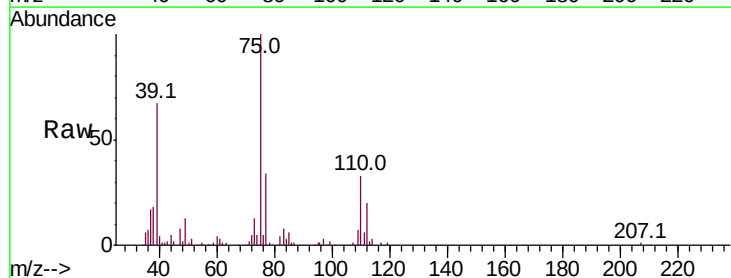
Tgt Ion: 75 Resp: 104258

Ion Ratio Lower Upper

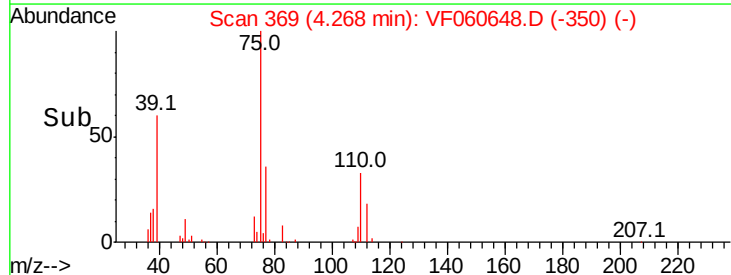
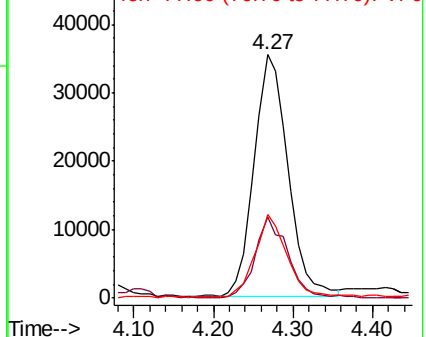
75 100

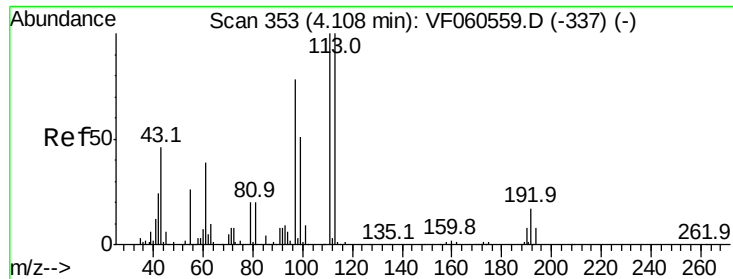
110 33.2 16.2 48.6

77 34.3 25.0 37.6



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VF0

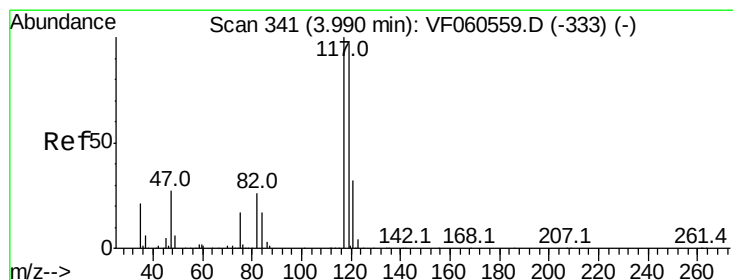
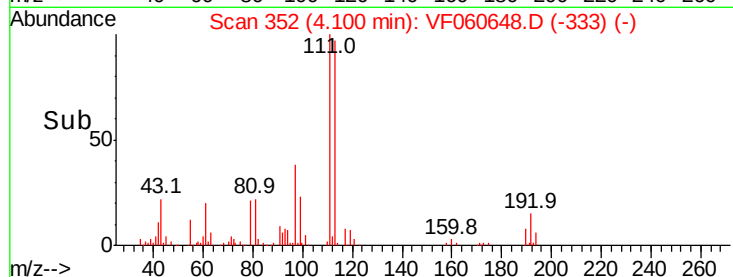
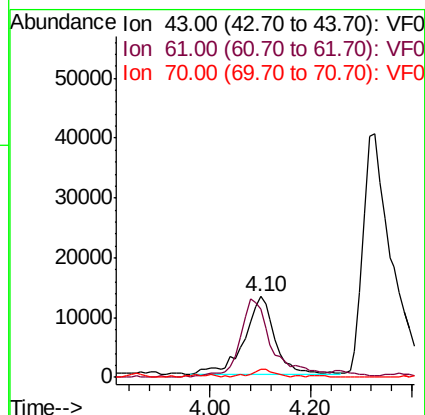
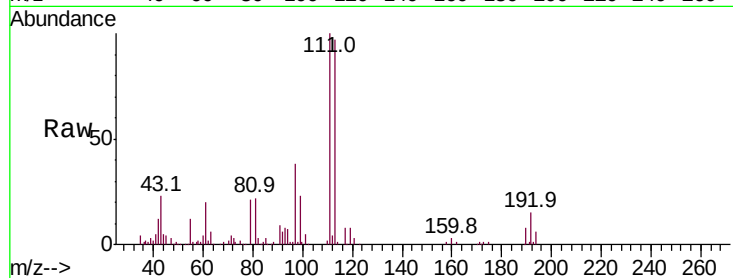




#37
Ethyl Acetate
Concen: 23.102 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

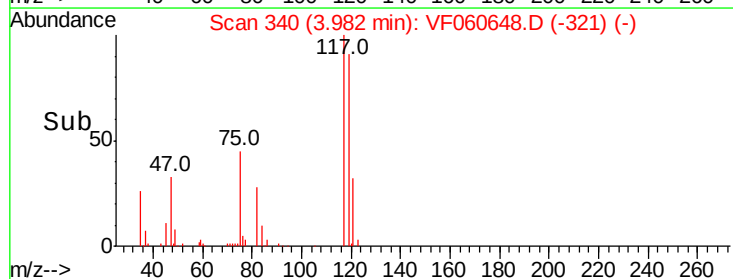
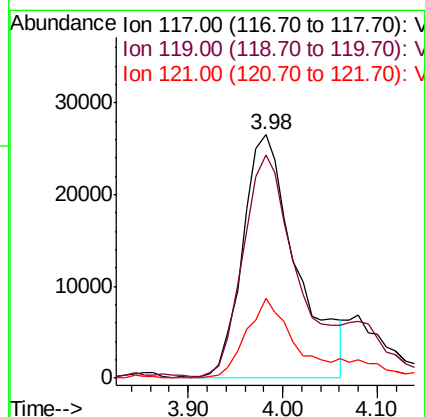
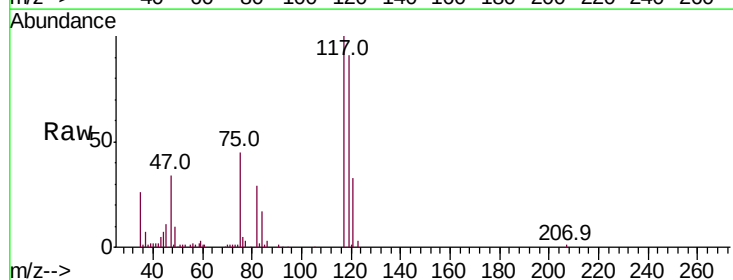
Instrument :
MSVOA_F
ClientSampled :

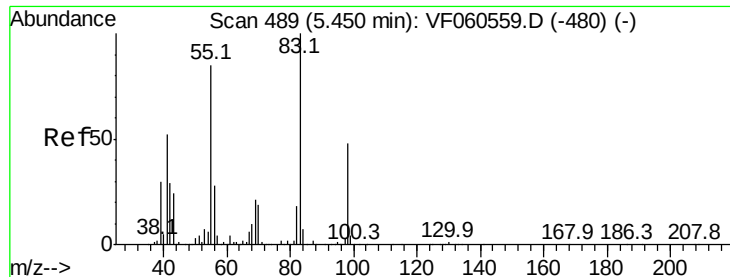
Tot Ion: 43 Resp: 55576
Ion Ratio Lower Upper
43 100
61 83.7 63.4 95.2
70 10.0 9.3 13.9



#38
Carbon Tetrachloride
Concen: 24.472 ug/l
RT: 3.98 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Tgt Ion:117 Resp: 104793
Ion Ratio Lower Upper
117 100
119 91.5 77.8 116.6
121 32.6 25.6 38.4

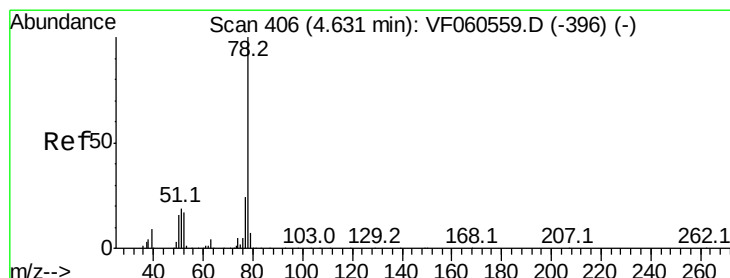
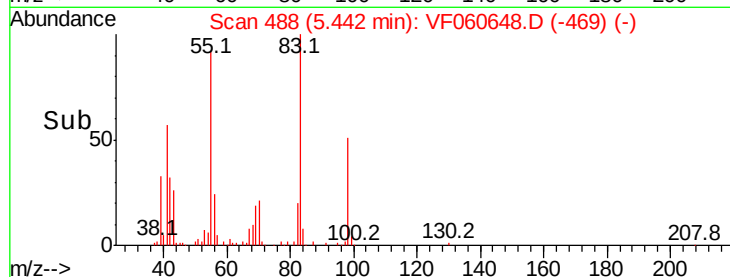
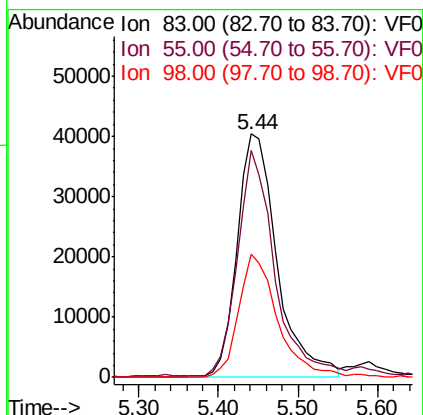
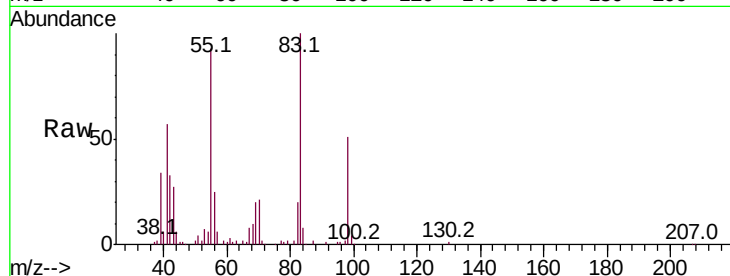




#39
Methylvlcyclohexane
Concen: 22.994 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

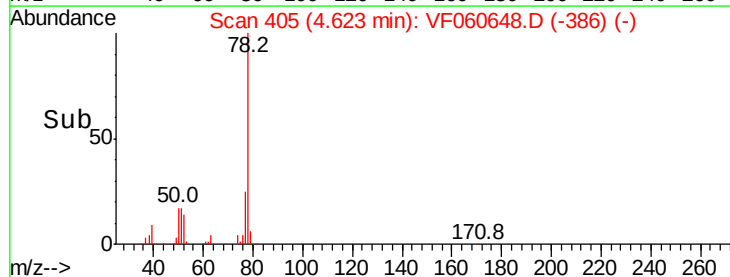
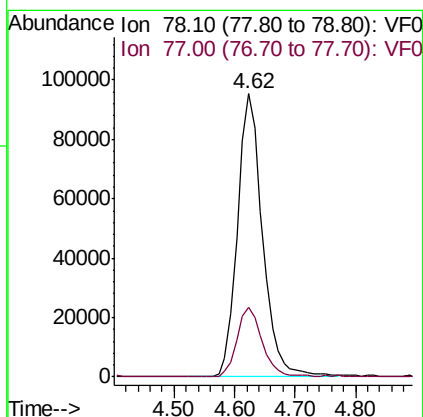
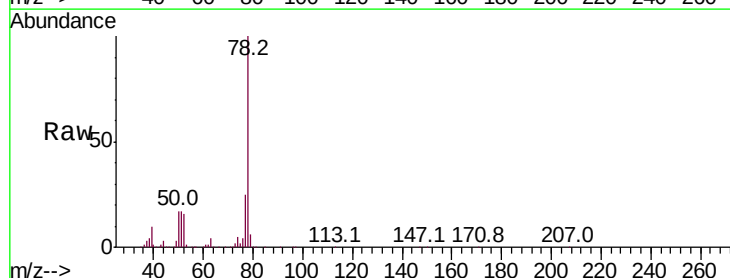
Instrument :
MSVOA_F
ClientSampled :

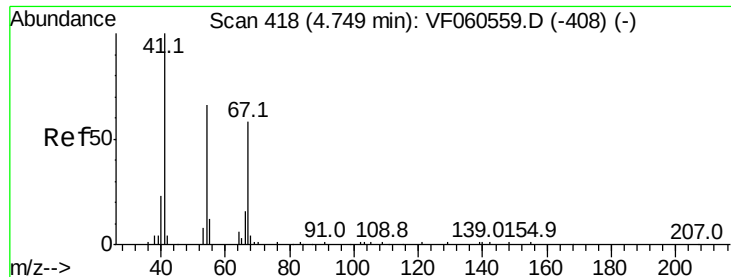
Tot Ion: 83 Resp: 140624
Ion Ratio Lower Upper
83 100
55 93.1 69.1 103.7
98 50.5 38.6 57.8



#40
Benzene
Concen: 22.712 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Tgt Ion: 78 Resp: 276279
Ion Ratio Lower Upper
78 100
77 24.8 19.3 28.9

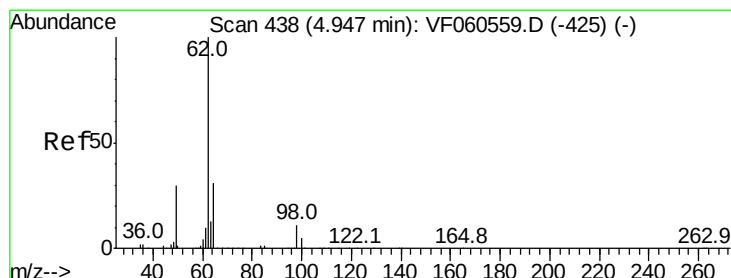
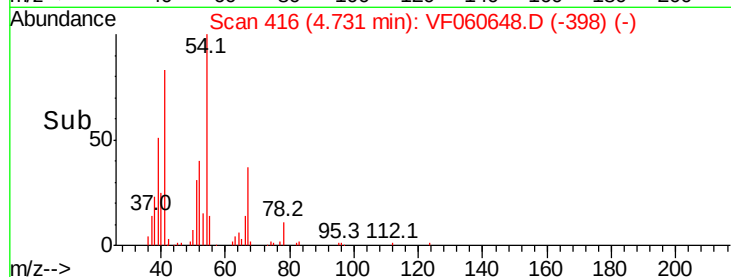
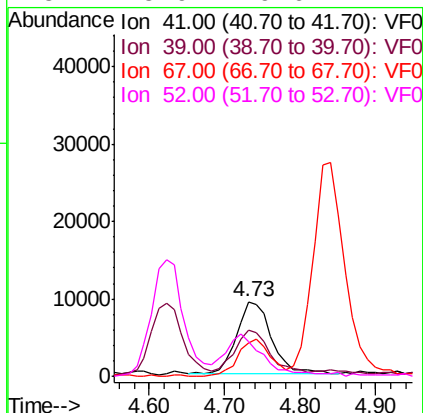
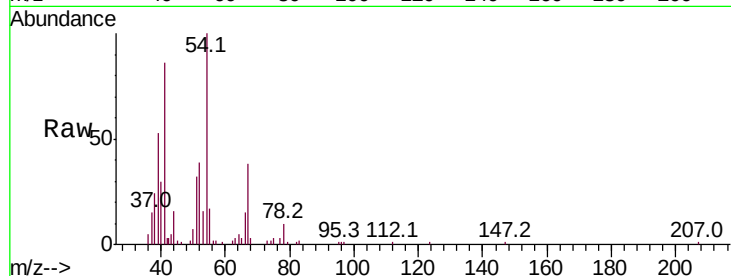




#41
Methacrylonitrile
Concen: 21.978 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.02 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

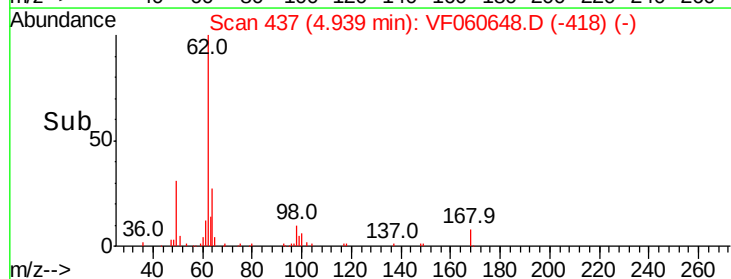
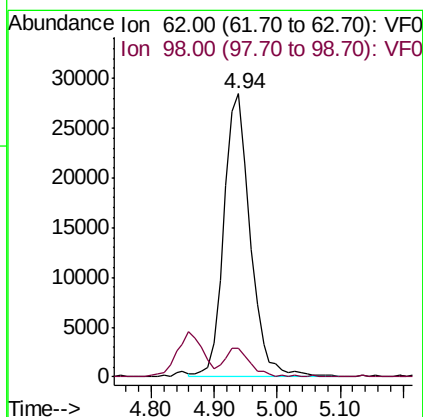
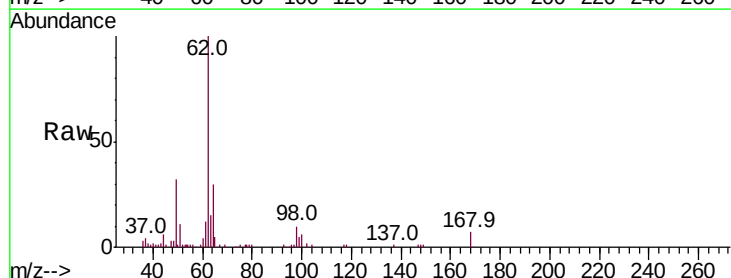
Instrument :
MSVOA_F
ClientSampleId :

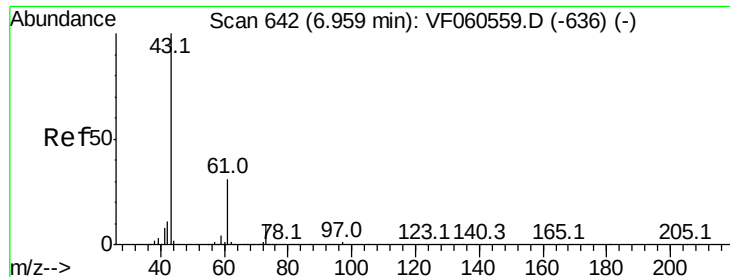
Tot Ion:	41	Resp:	29942
Ion	Ratio	Lower	Upper
41	100		
39	61.2	45.6	68.4
67	44.2	45.3	67.9#
52	45.9	29.6	44.4#



#42
1,2-Dichloroethane
Concen: 23.527 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Tgt Ion:	62	Resp:	82139
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	22.4





#43

Isopropyl Acetate

Concen: 20.657 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

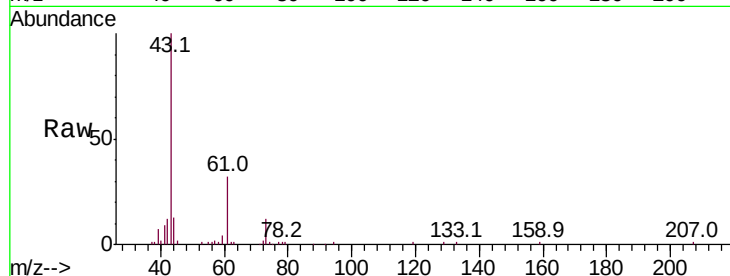
Tot Ion: 43 Resp: 62859

Ion Ratio Lower Upper

43 100

61 32.1 24.2 36.2

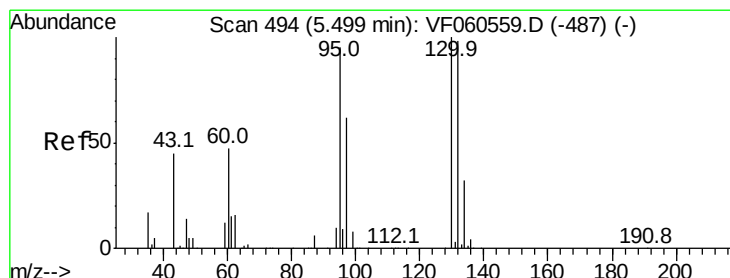
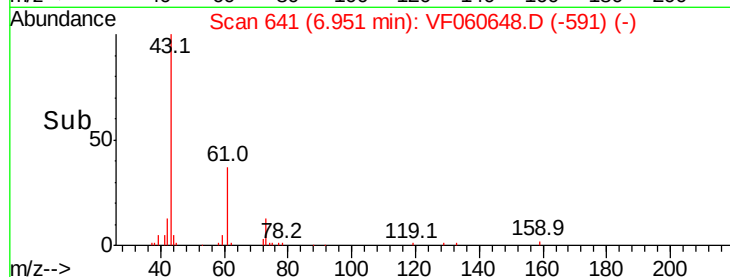
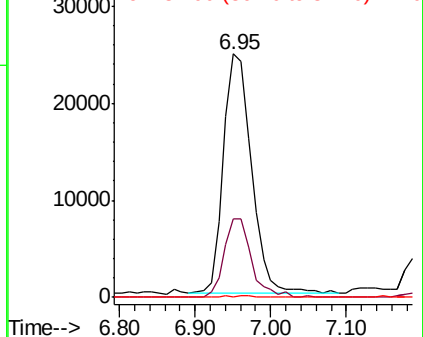
87 0.0 0.2 0.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 21.227 ug/l

RT: 5.50 min Scan# 494

Delta R.T. 0.00 min

Lab File: VF060648.D

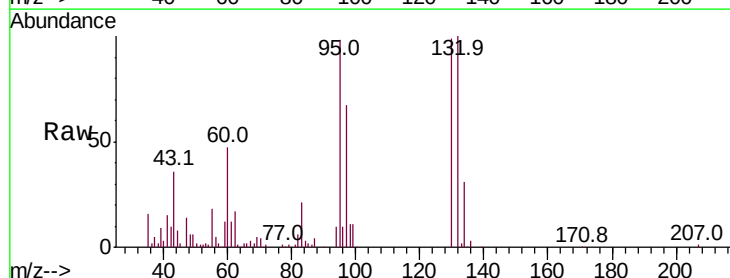
Acq: 8 Nov 2018 14:00

Tgt Ion:130 Resp: 77605

Ion Ratio Lower Upper

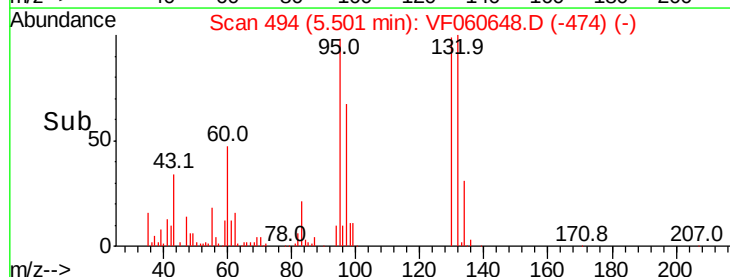
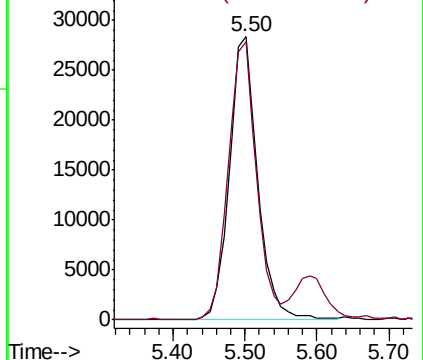
130 100

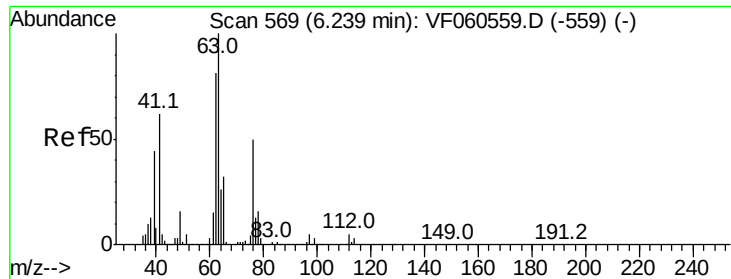
95 98.4 0.0 191.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.065 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

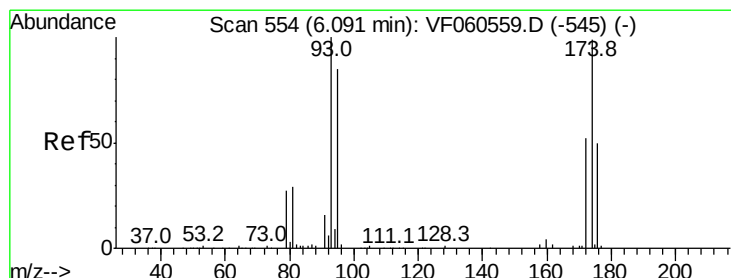
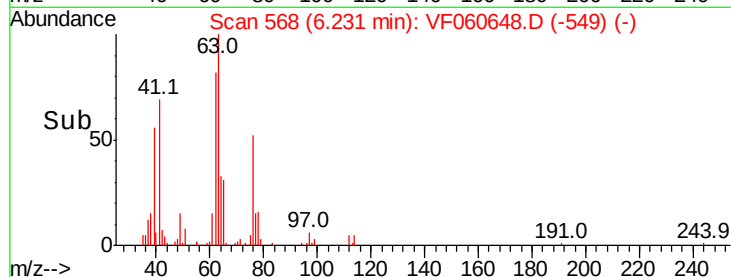
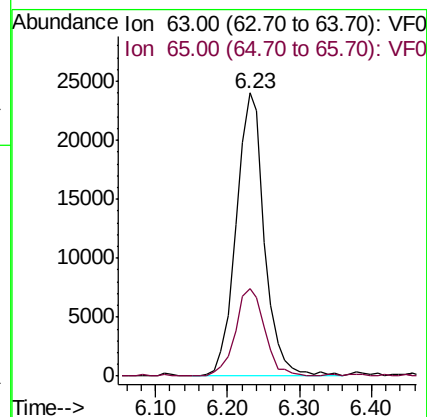
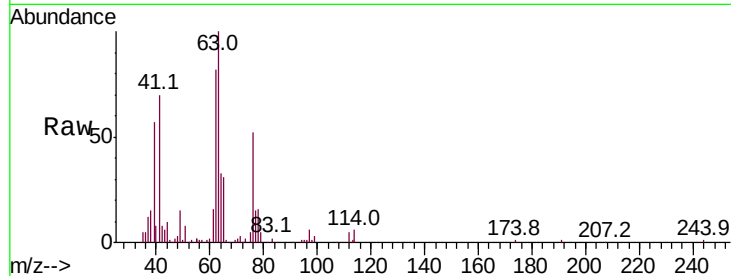
ClientSampled :

Tot Ion: 63 Resp: 65535

Ion Ratio Lower Upper

63 100

65 31.0 25.4 38.0



#46

Dibromomethane

Concen: 22.457 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

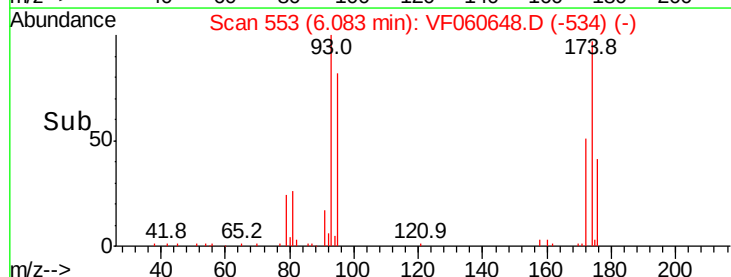
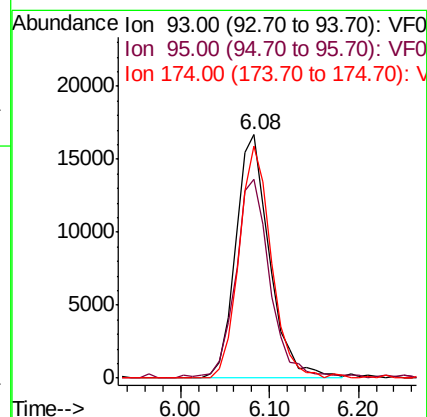
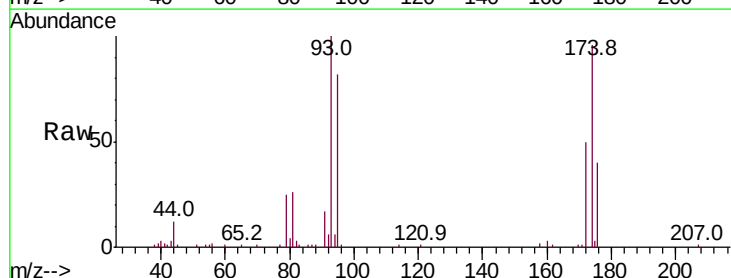
Tgt Ion: 93 Resp: 44323

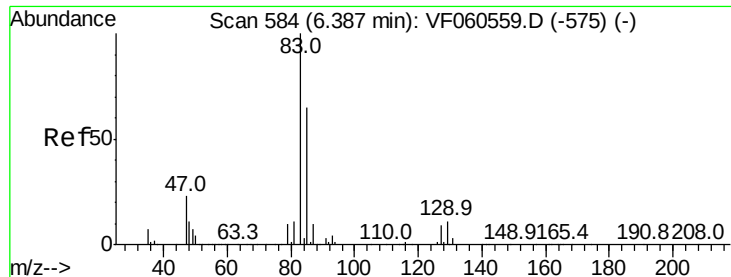
Ion Ratio Lower Upper

93 100

95 81.6 68.6 102.8

174 98.1 79.0 118.4





#47

Bromodichloromethane

Concen: 22.581 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

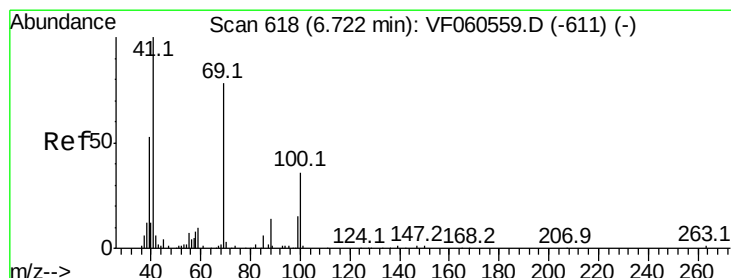
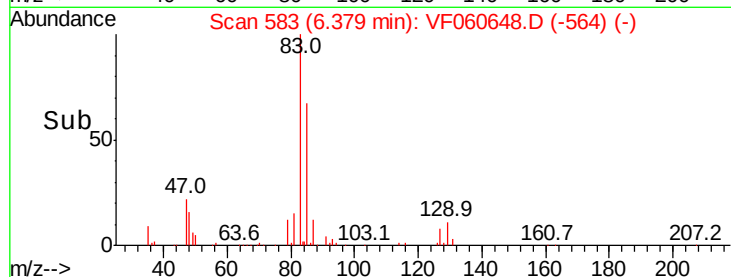
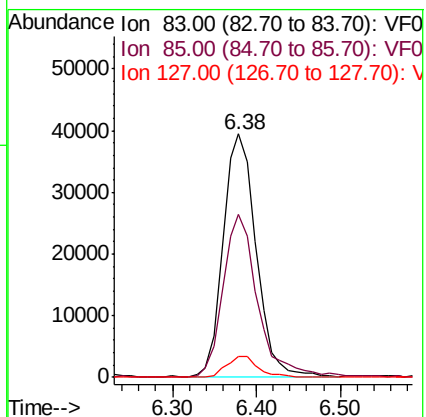
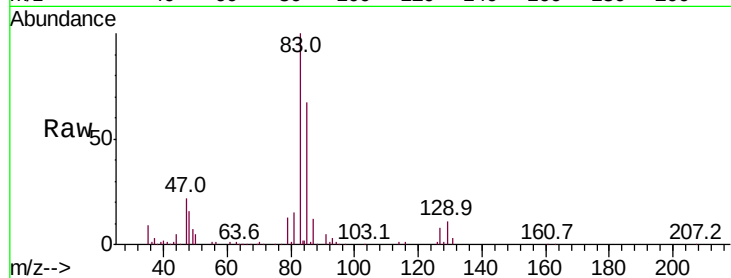
Tot Ion: 83 Resp: 107498

Ion Ratio Lower Upper

83 100

85 67.1 51.8 77.6

127 8.4 7.0 10.4



#48

Methyl methacrylate

Concen: 20.429 ug/l

RT: 6.71 min Scan# 617

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

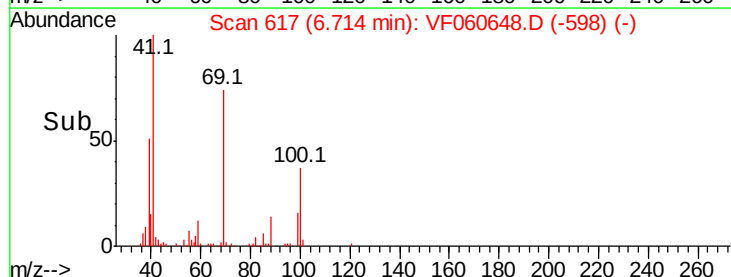
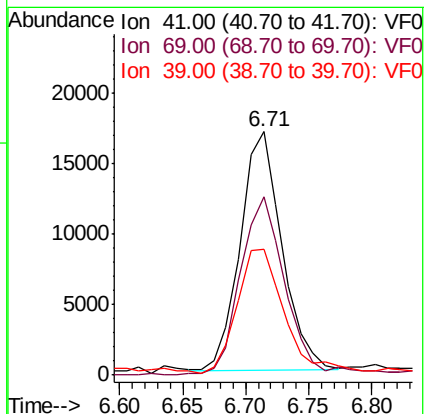
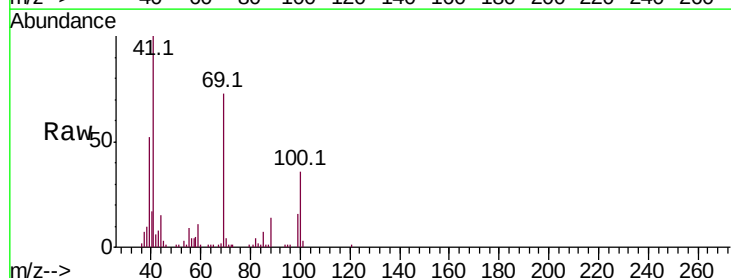
Tgt Ion: 41 Resp: 39070

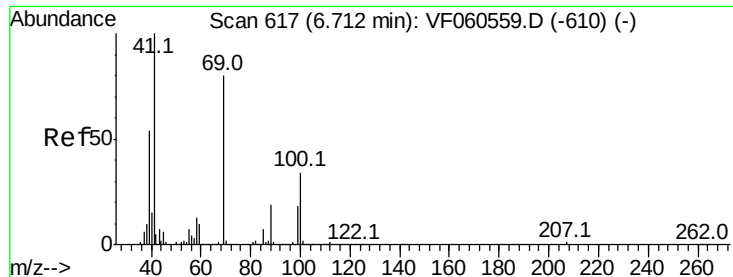
Ion Ratio Lower Upper

41 100

69 73.4 61.1 91.7

39 51.5 43.0 64.6

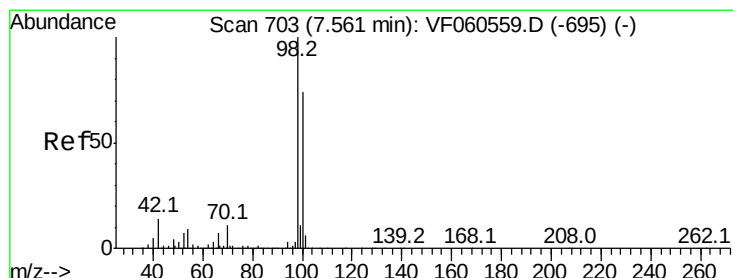
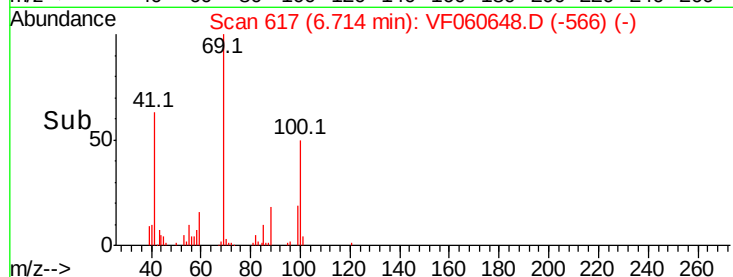
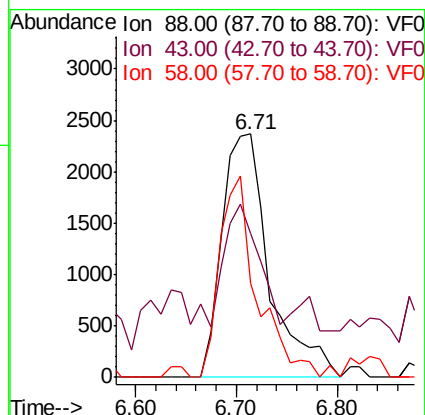
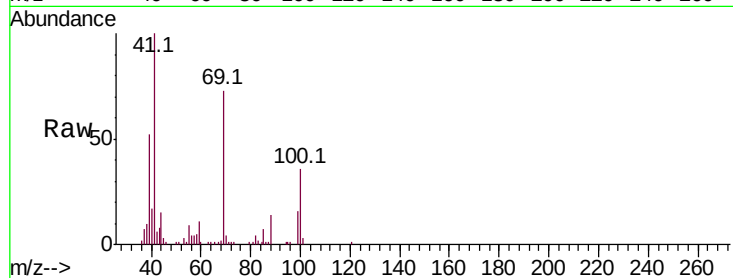




#49
1,4-Dioxane
Concen: 388.780 ug/l
RT: 6.71 min Scan# 617
Delta R.T. 0.00 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

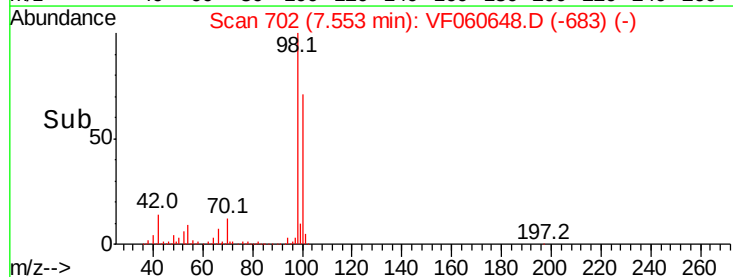
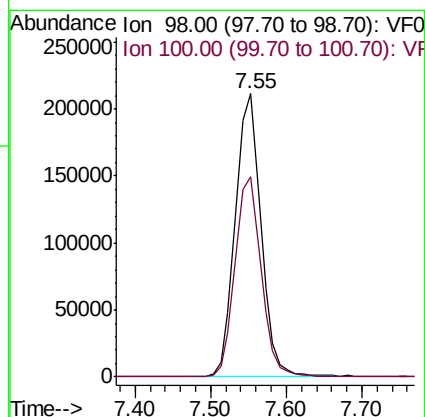
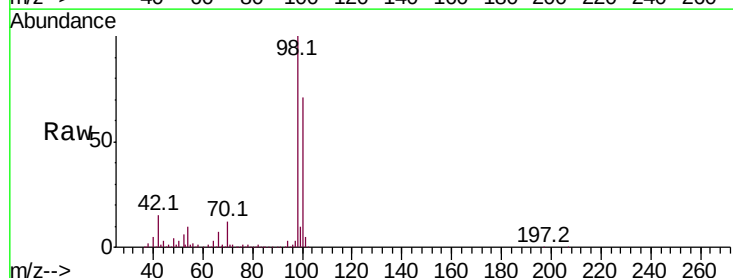
Instrument :
MSVOA_F
ClientSampleId :

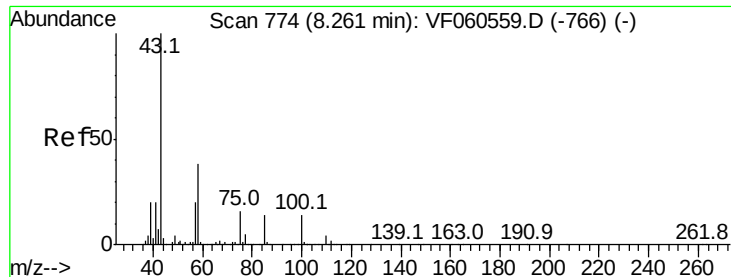
Tot Ion: 88 Resp: 7778
Ion Ratio Lower Upper
88 100
43 59.0 61.2 91.8#
58 38.7 56.9 85.3#



#50
Toluene-d8
Concen: 47.714 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Tgt Ion: 98 Resp: 497024
Ion Ratio Lower Upper
98 100
100 70.9 59.4 89.2





#51

4-Methyl-2-Pentanone

Concen: 115.975 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

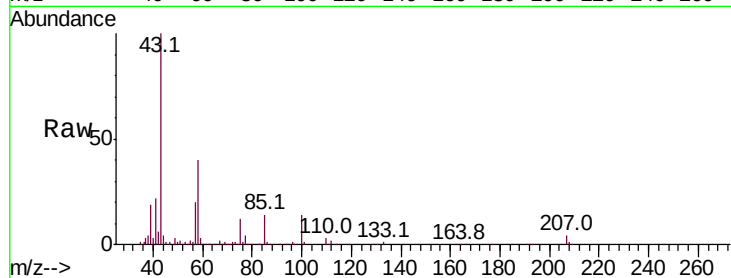
ClientSampled :

Tot Ion: 43 Resp: 237317

Ion Ratio Lower Upper

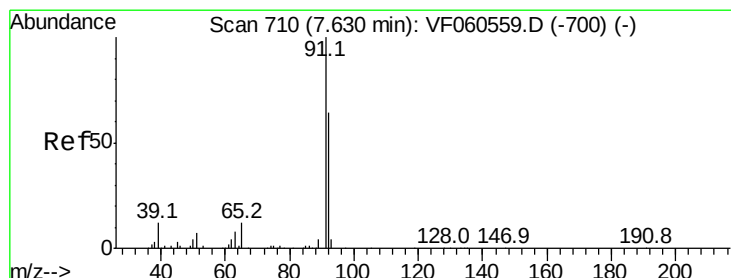
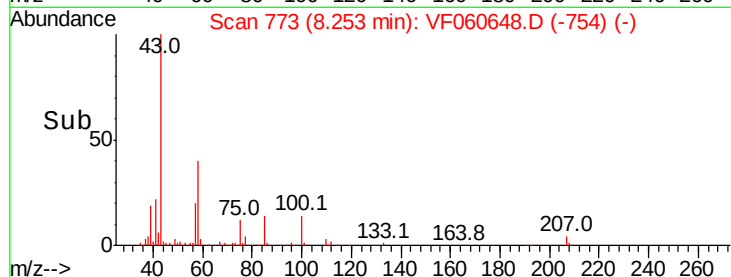
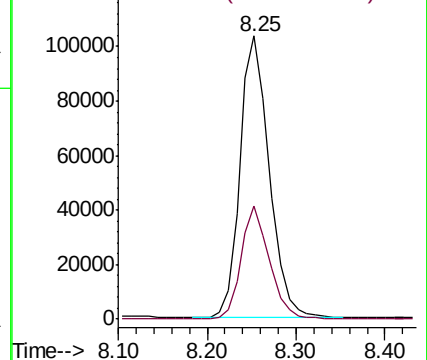
43 100

58 40.2 30.1 45.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.654 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.01 min

Lab File: VF060648.D

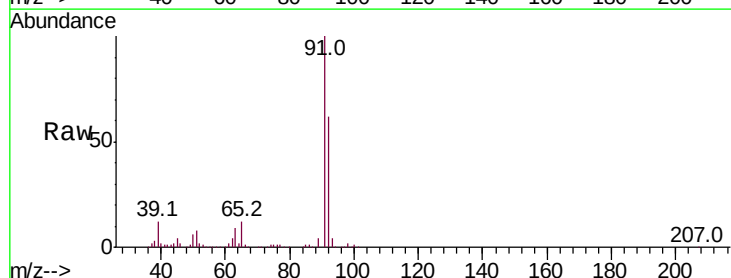
Acq: 8 Nov 2018 14:00

Tgt Ion: 92 Resp: 163666

Ion Ratio Lower Upper

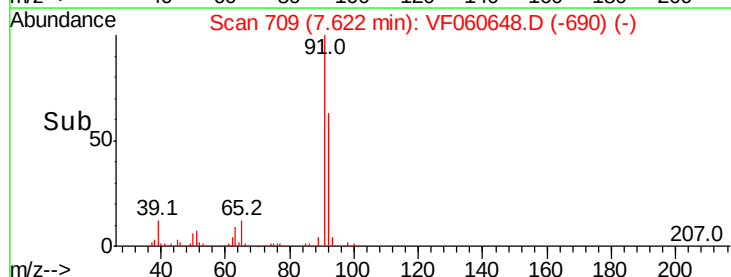
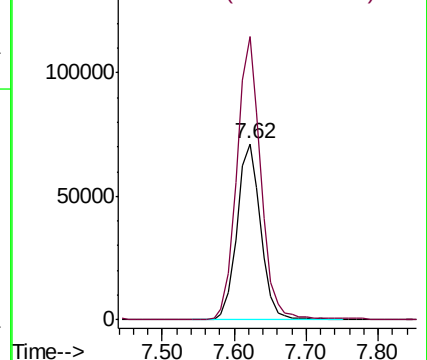
92 100

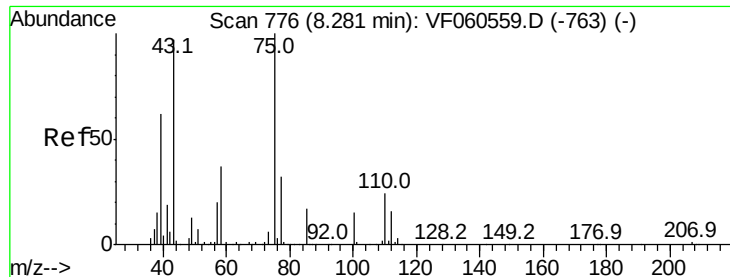
91 160.8 124.5 186.7



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: 20.820 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

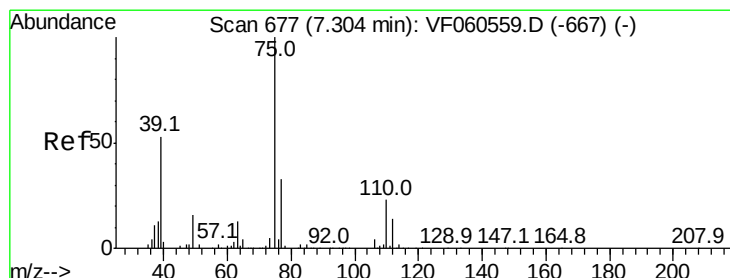
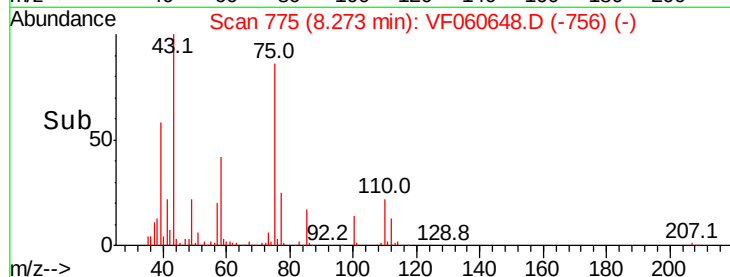
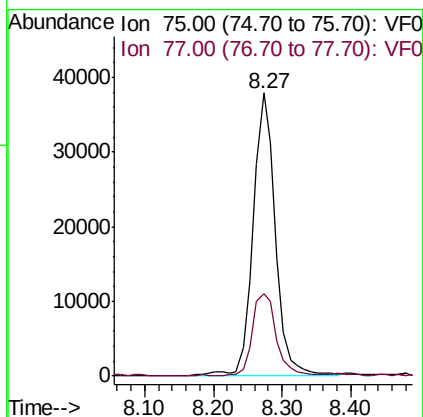
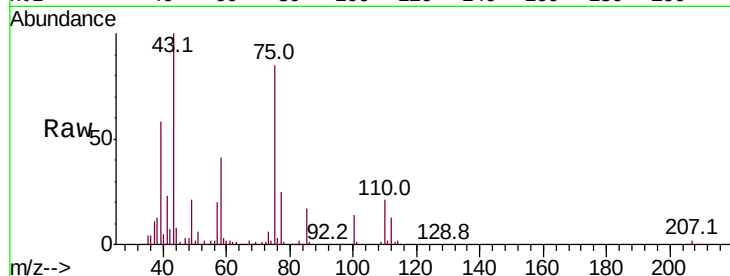
ClientSampleId :

Tot Ion: 75 Resp: 86144

Ion Ratio Lower Upper

75 100

77 29.1 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 20.973 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

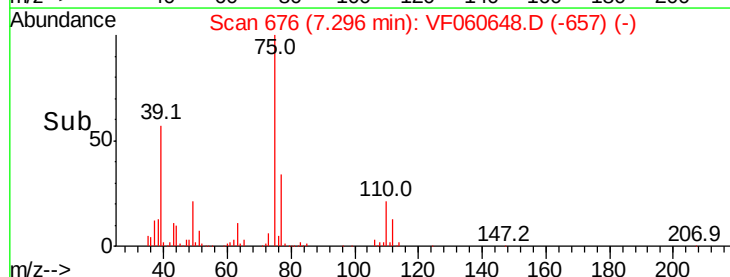
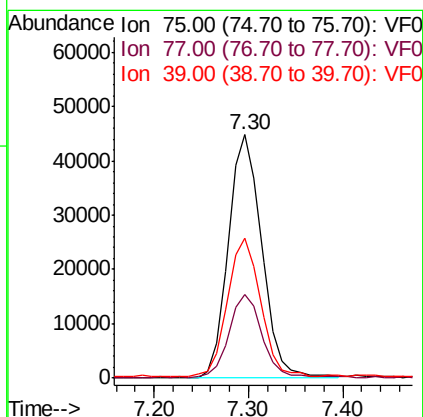
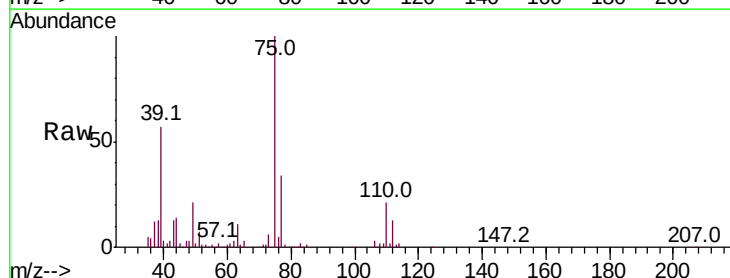
Tgt Ion: 75 Resp: 109641

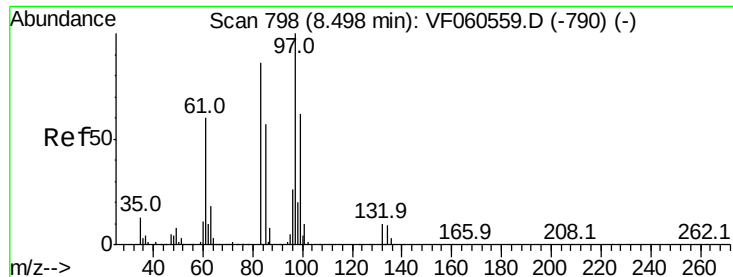
Ion Ratio Lower Upper

75 100

77 34.2 26.7 40.1

39 57.2 43.0 64.4





#55

1,1,2-Trichloroethane

Concen: 21.931 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF060648.D

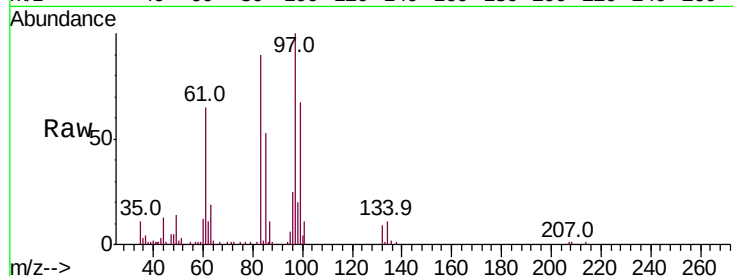
Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	97	Resp:	50571
Ion	Ratio	Lower	Upper
97	100		
83	90.3	69.4	104.0
85	53.3	46.6	69.8
99	66.9	50.0	75.0

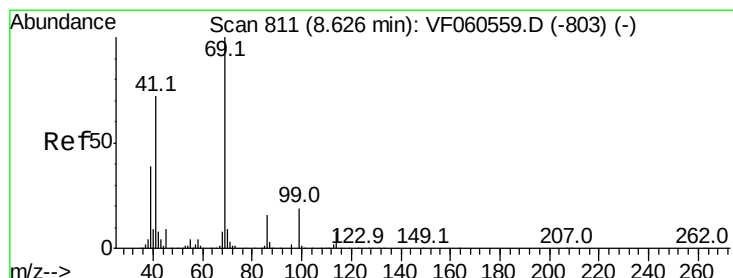
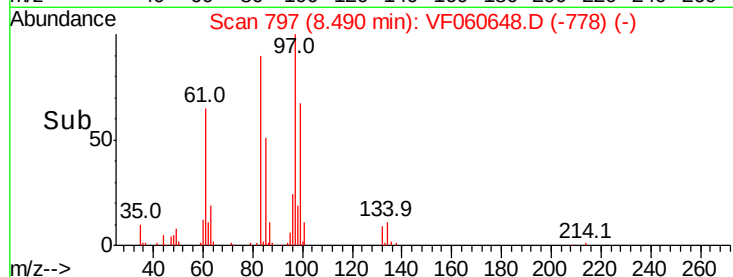
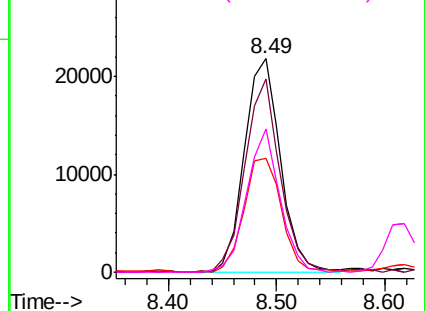


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 20.050 ug/l

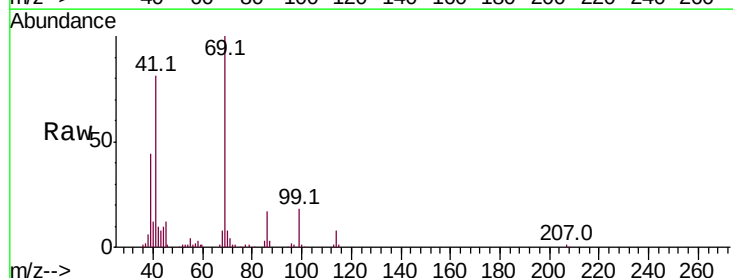
RT: 8.62 min Scan# 810

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

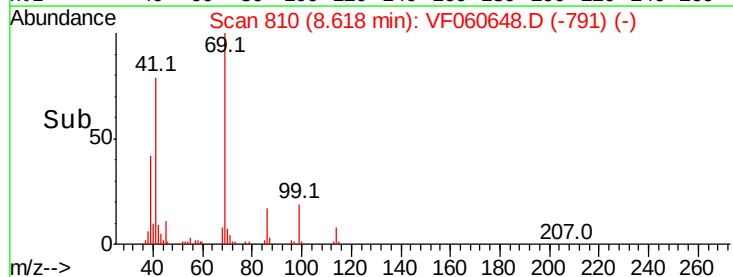
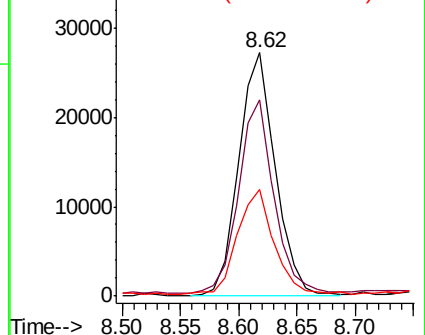
Tgt Ion:	69	Resp:	59483
Ion	Ratio	Lower	Upper
69	100		
41	80.7	59.2	88.8
39	43.6	32.3	48.5

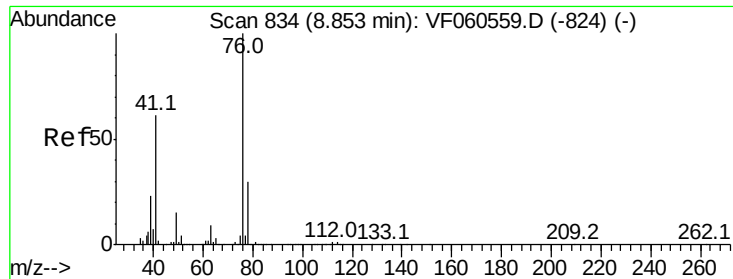


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.780 ug/l

RT: 8.84 min Scan# 833

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

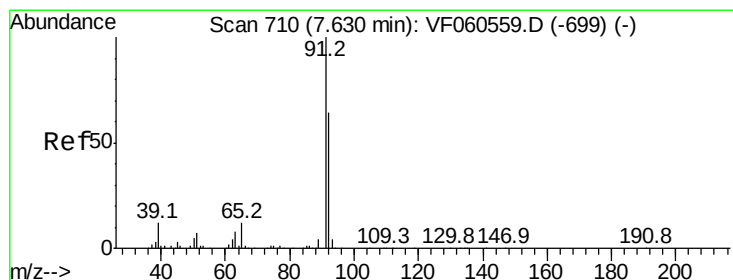
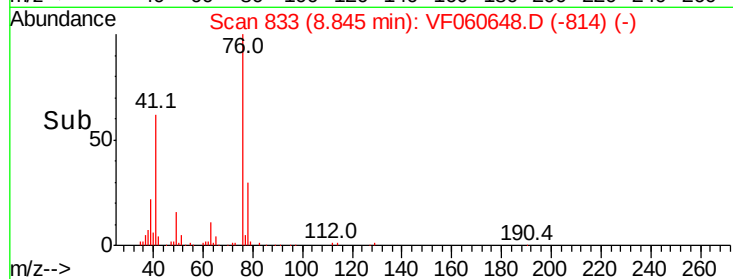
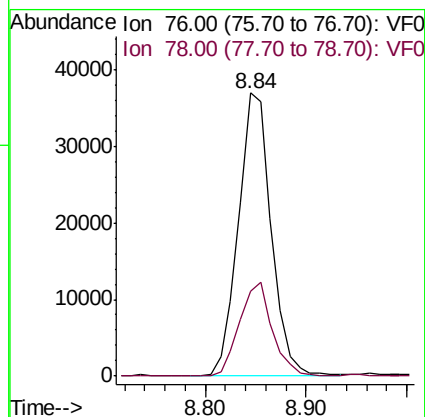
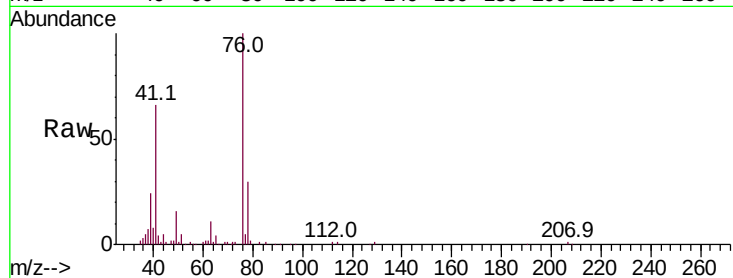
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 84075

Ion Ratio Lower Upper

76 100

78 29.9 24.2 36.4



#58

2-Chloroethyl Vinyl ether

Concen: 110.255 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.01 min

Lab File: VF060648.D

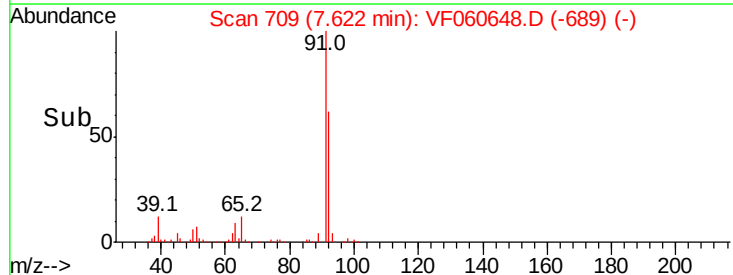
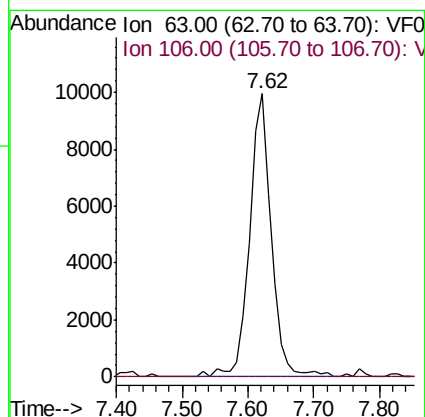
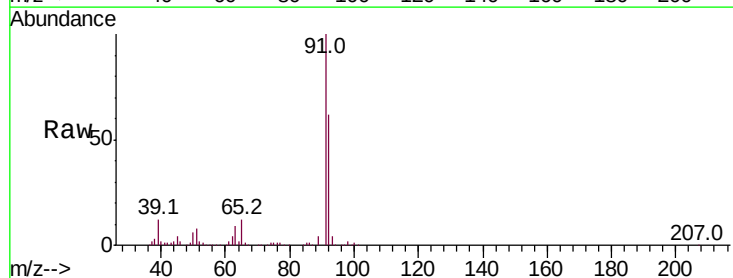
Acq: 8 Nov 2018 14:00

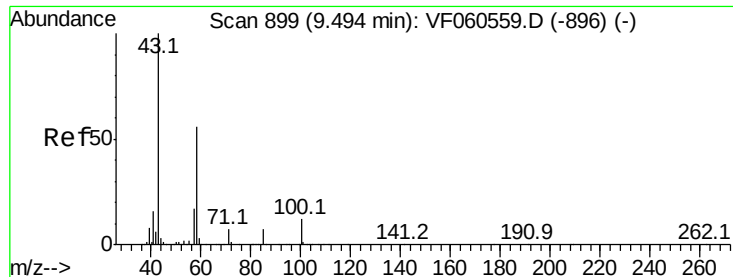
Tgt Ion: 63 Resp: 23136

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

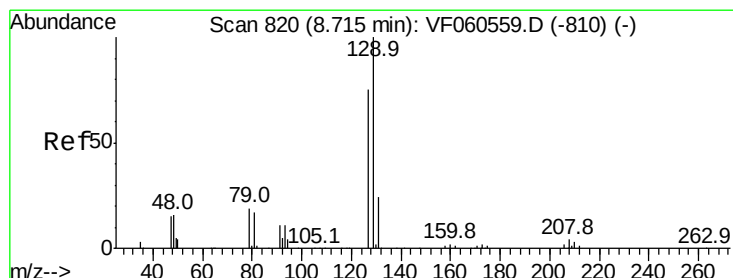
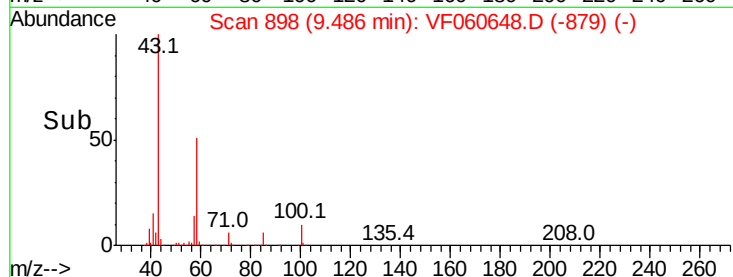
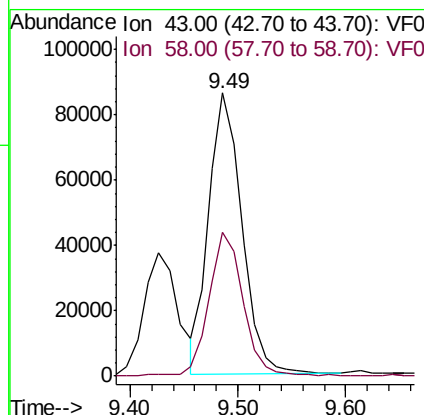
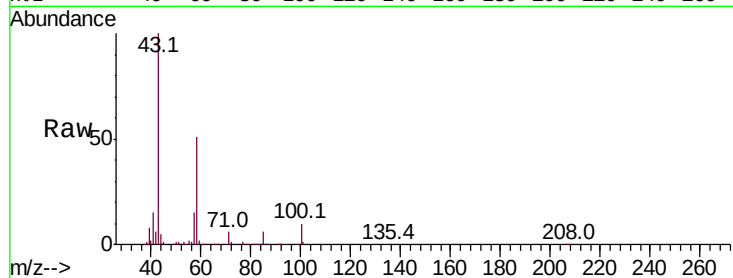




#59
2-Hexanone
Concen: 121.412 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

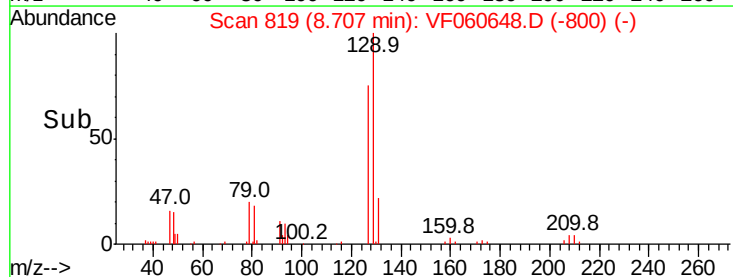
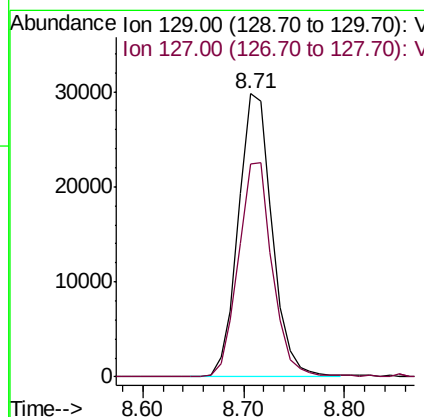
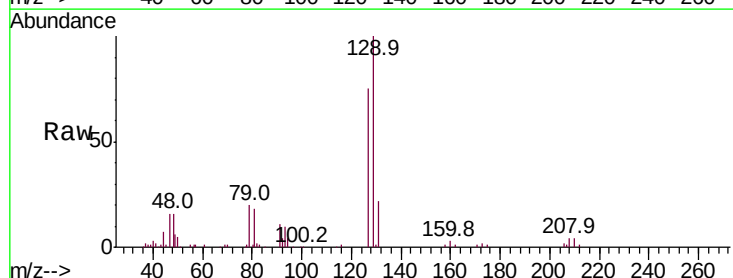
Instrument :
MSVOA_F
ClientSampled :

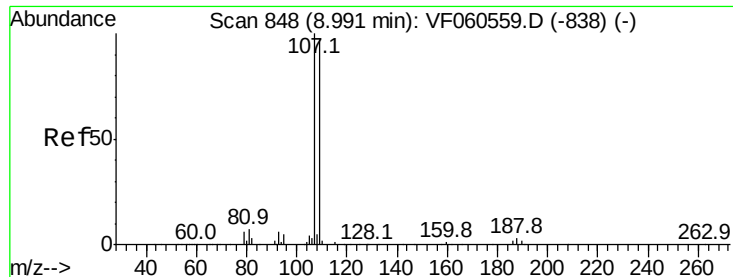
Tot Ion: 43 Resp: 182351
Ion Ratio Lower Upper
43 100
58 51.0 26.1 78.3



#60
Dibromochloromethane
Concen: 21.556 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Tgt Ion:129 Resp: 69514
Ion Ratio Lower Upper
129 100
127 75.2 37.8 113.3





#61

1,2-Dibromoethane

Concen: 21.773 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

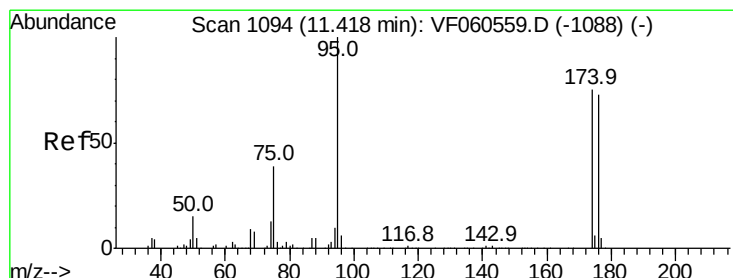
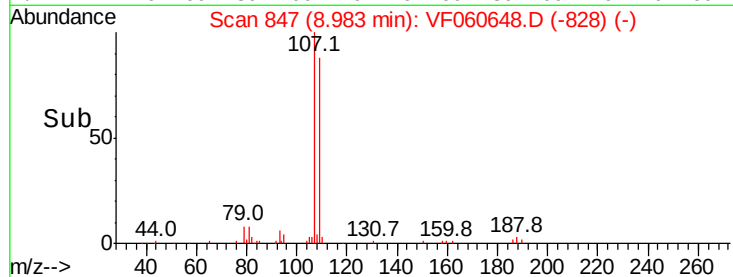
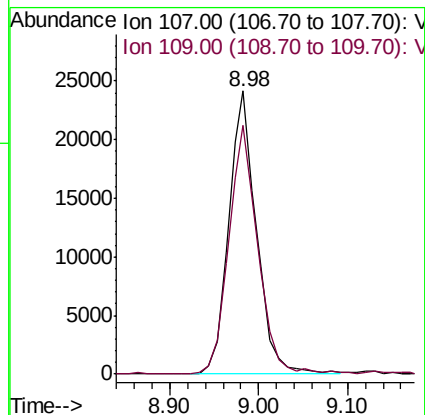
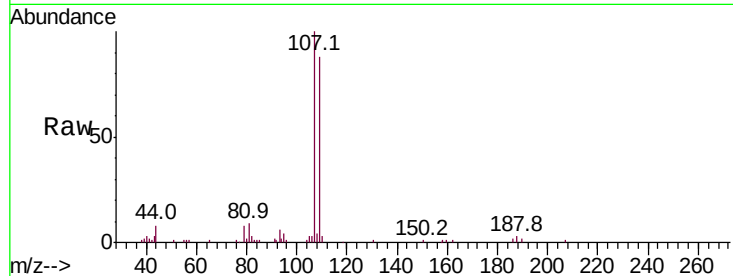
ClientSampled :

Tot Ion:107 Resp: 52796

Ion Ratio Lower Upper

107 100

109 88.0 77.5 116.3



#62

4-Bromofluorobenzene

Concen: 48.500 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

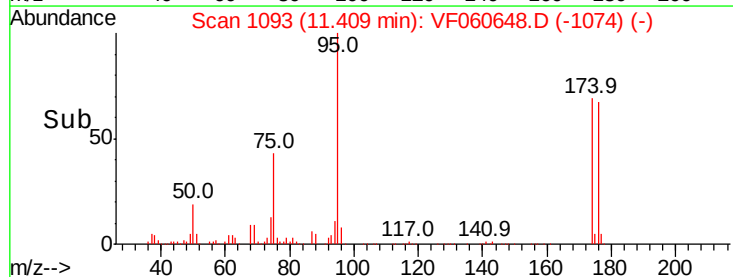
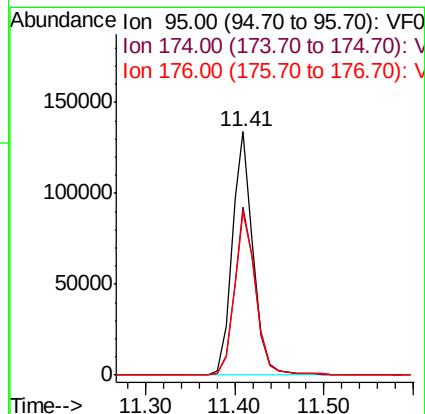
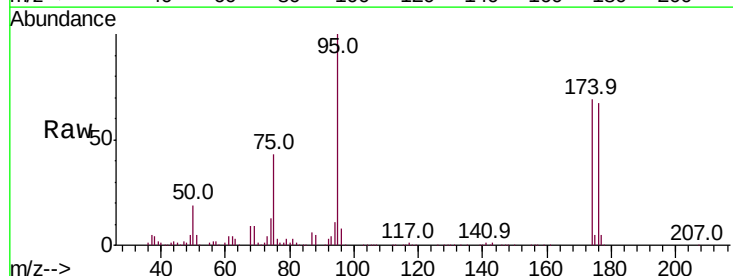
Tgt Ion: 95 Resp: 220984

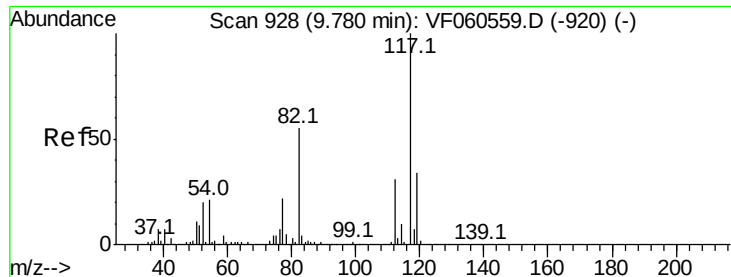
Ion Ratio Lower Upper

95 100

174 69.0 0.0 149.0

176 66.8 0.0 145.6

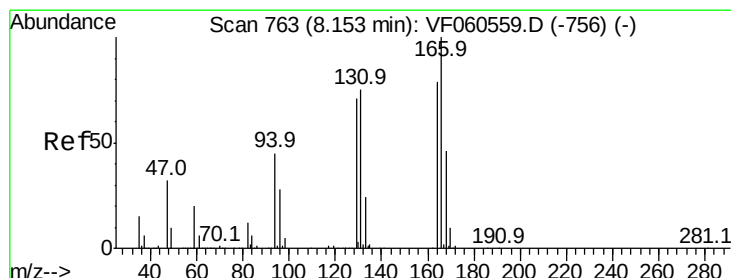
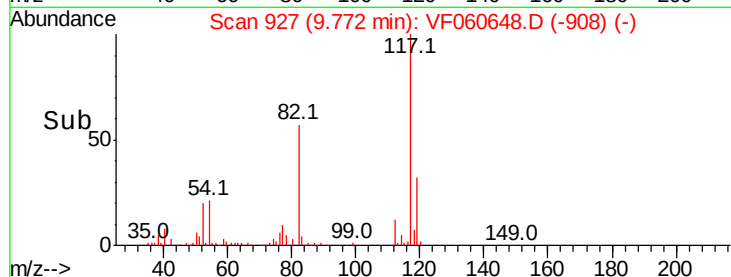
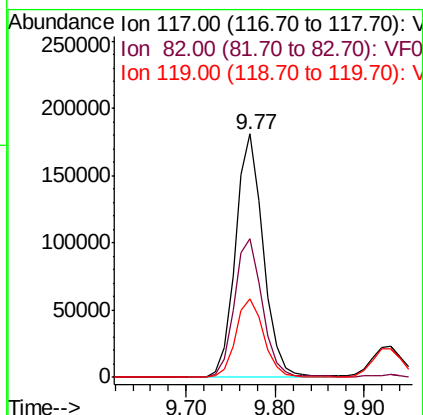
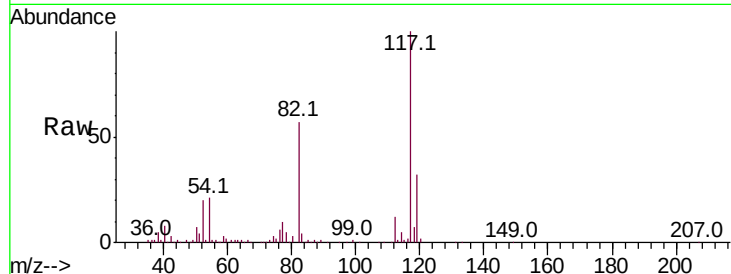




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

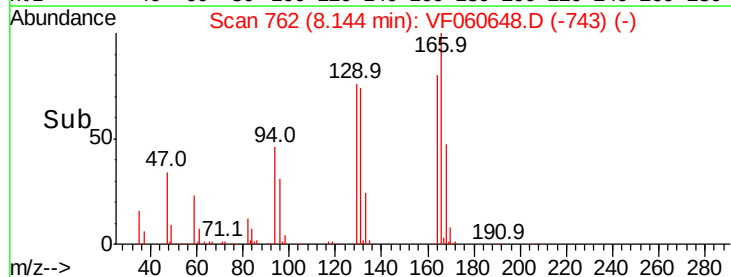
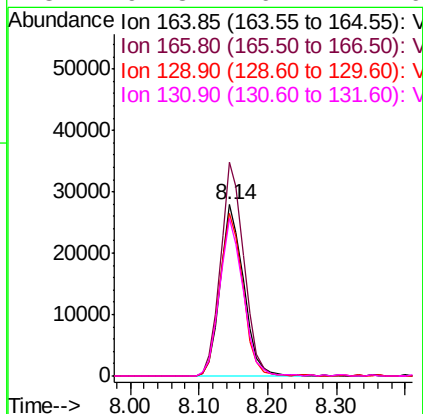
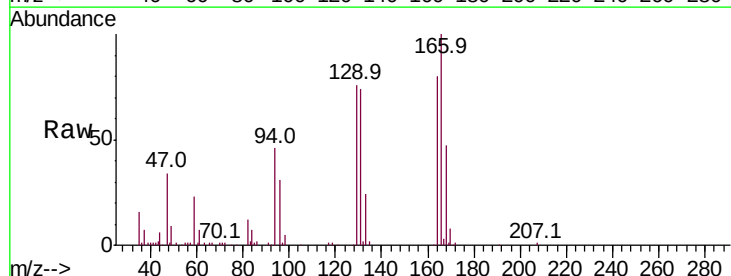
Instrument :
MSVOA_F
ClientSampled :

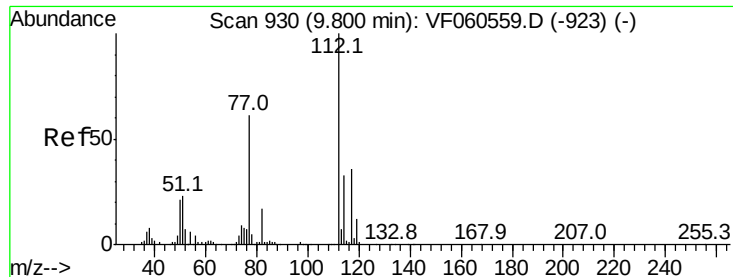
Tot Ion:117 Resp: 392623
Ion Ratio Lower Upper
117 100
82 57.2 43.9 65.9
119 32.1 27.4 41.0



#64
Tetrachloroethene
Concen: 21.295 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Tgt Ion:164 Resp: 65525
Ion Ratio Lower Upper
164 100
166 124.7 101.5 152.3
129 95.2 72.5 108.7
131 91.8 76.4 114.6





#65

Chlorobenzene

Concen: 21.739 ug/l

RT: 9.79 min Scan# 929

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

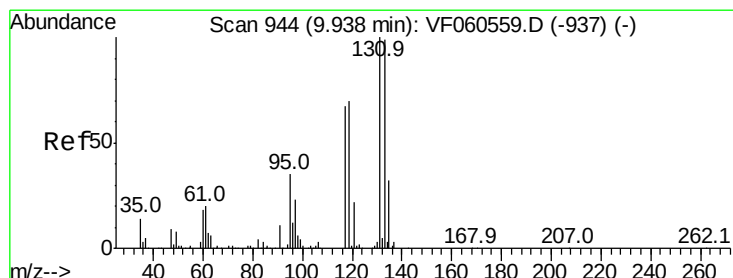
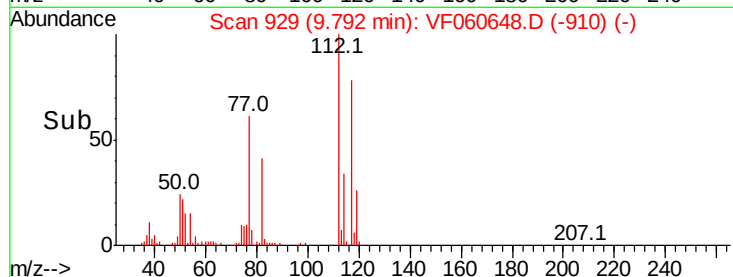
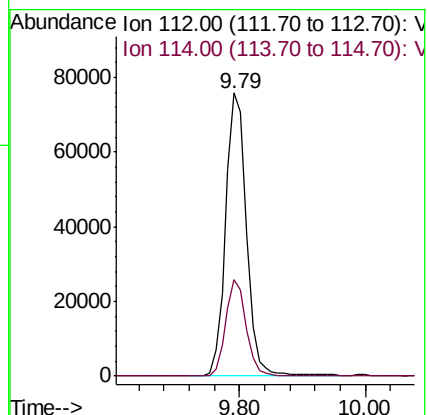
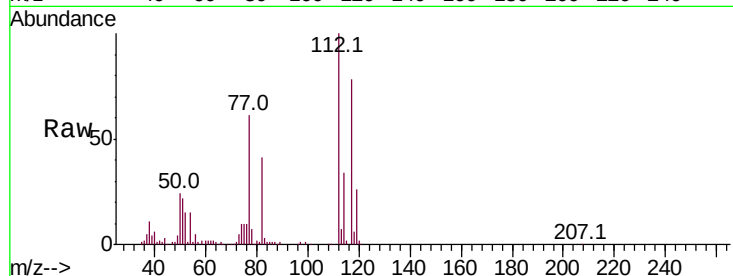
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:112 Resp: 174546

Ion Ratio Lower Upper

112 100

114 34.3 26.6 40.0



#66

1,1,1,2-Tetrachloroethane

Concen: 21.663 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

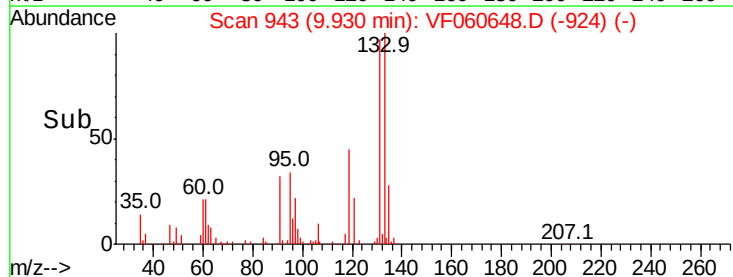
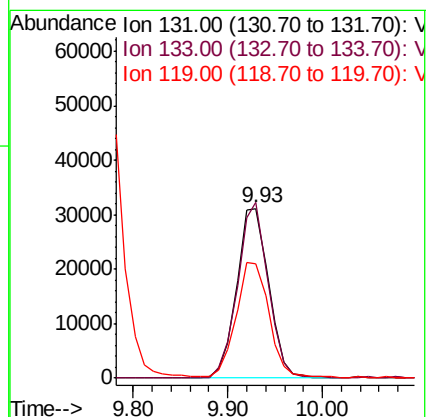
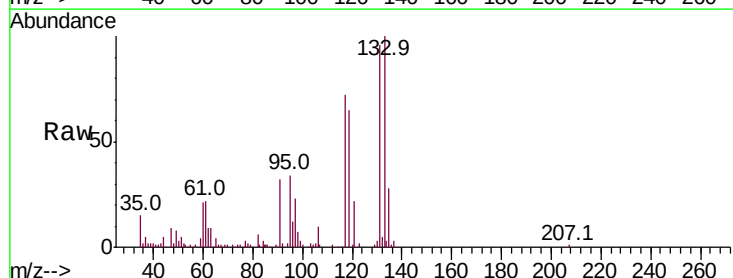
Tgt Ion:131 Resp: 73496

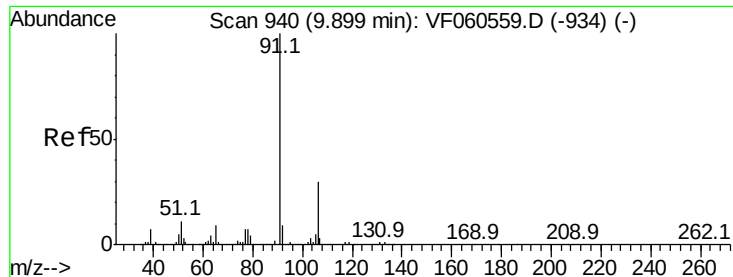
Ion Ratio Lower Upper

131 100

133 103.6 49.5 148.7

119 67.4 35.2 105.6





#67

Ethyl Benzene

Concen: 22.184 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

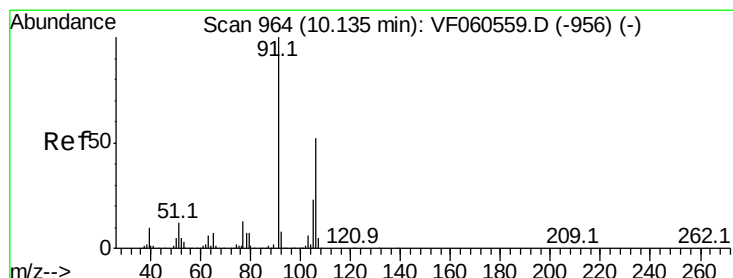
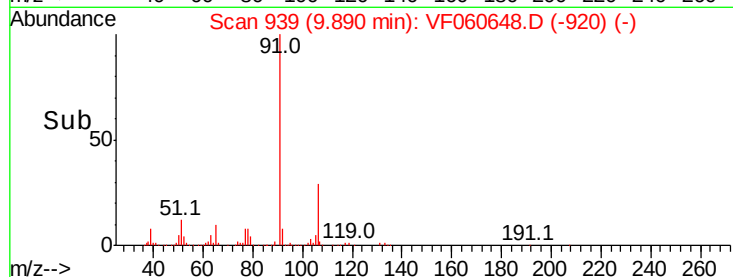
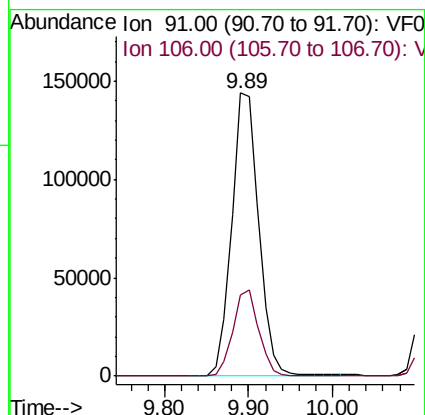
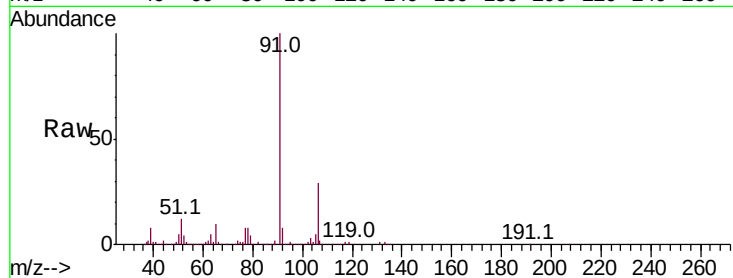
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 323232

Ion Ratio Lower Upper

91 100

106 28.9 24.2 36.4



#68

m/p-Xylenes

Concen: 41.180 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF060648.D

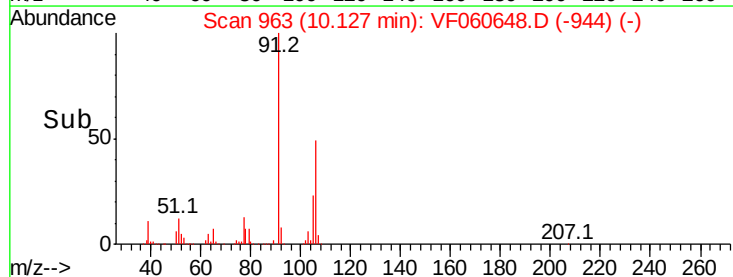
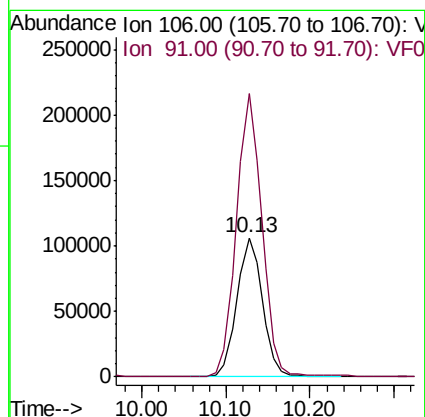
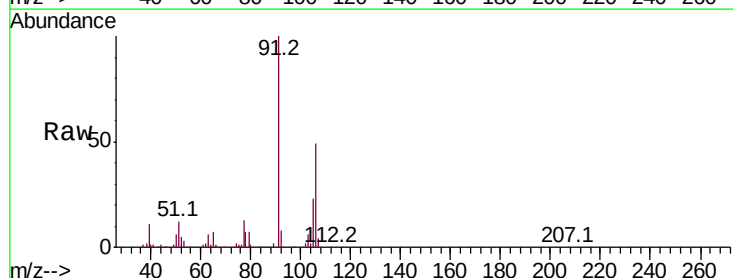
Acq: 8 Nov 2018 14:00

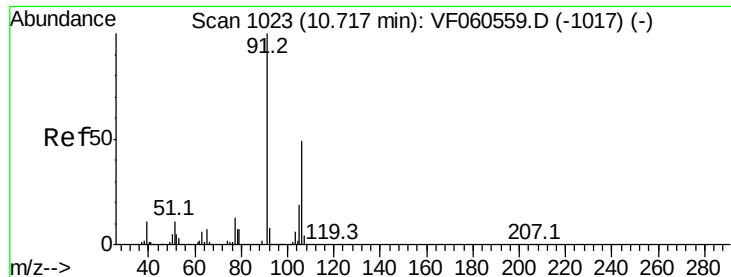
Tgt Ion: 106 Resp: 226016

Ion Ratio Lower Upper

106 100

91 203.6 153.9 230.9

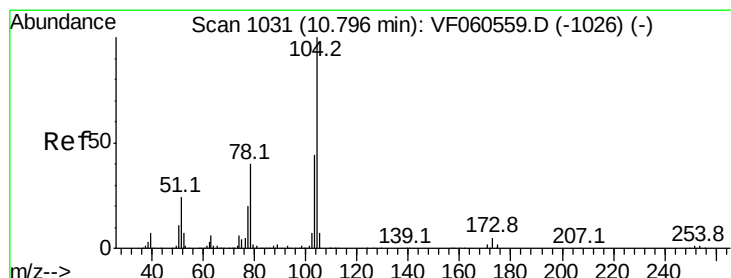
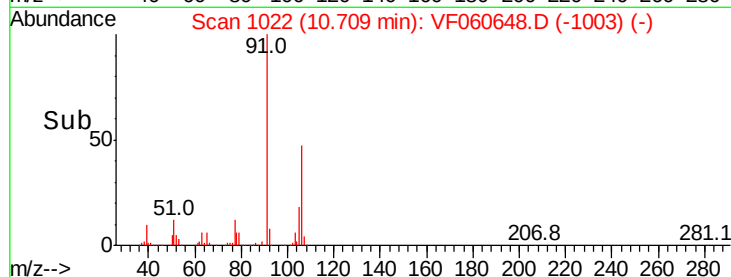
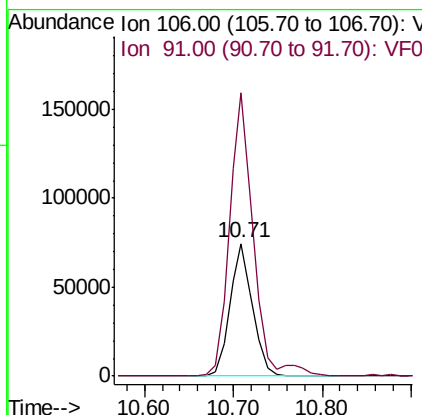
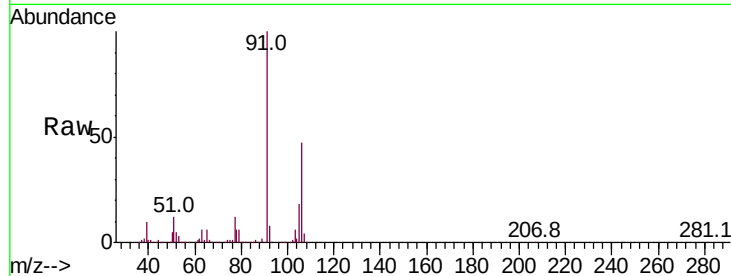




#69
o-Xylene
Concen: 22.278 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

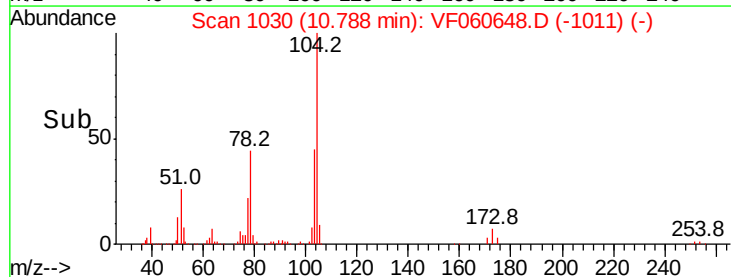
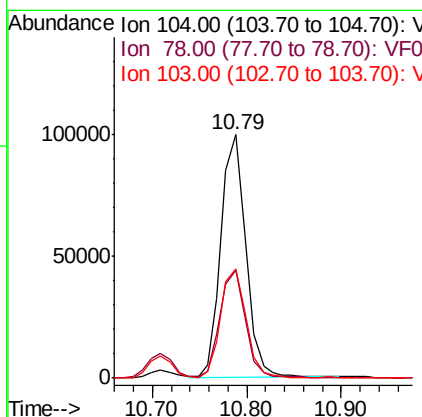
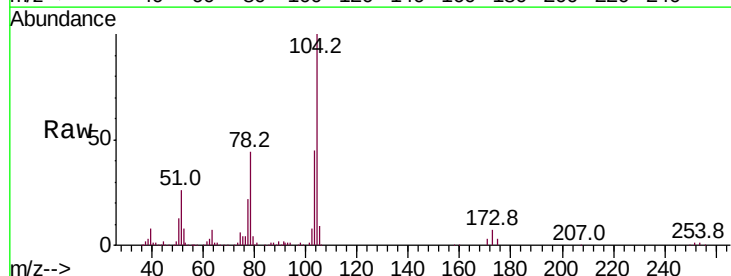
Instrument :
MSVOA_F
ClientSampled :

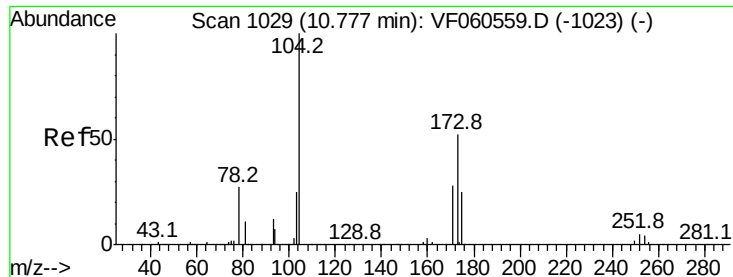
Tot Ion:106 Resp: 133511
Ion Ratio Lower Upper
106 100
91 213.0 101.8 305.3



#70
Styrene
Concen: 21.126 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Tgt Ion:104 Resp: 183424
Ion Ratio Lower Upper
104 100
78 44.3 32.6 49.0
103 44.6 35.2 52.8





#71

Bromoform

Concen: 20.360 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

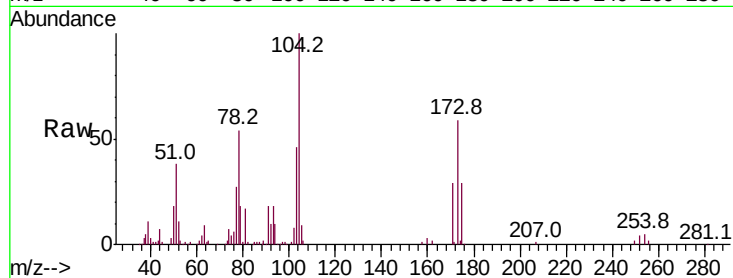
Tot Ion:173 Resp: 35675

Ion Ratio Lower Upper

173 100

175 48.8 24.3 72.9

254 8.7 6.7 10.1

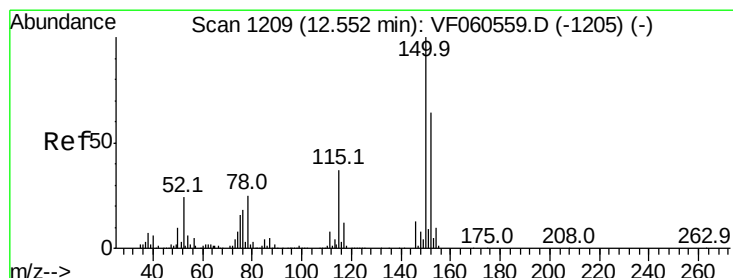
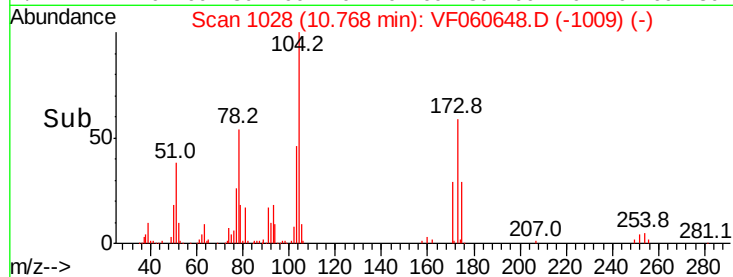
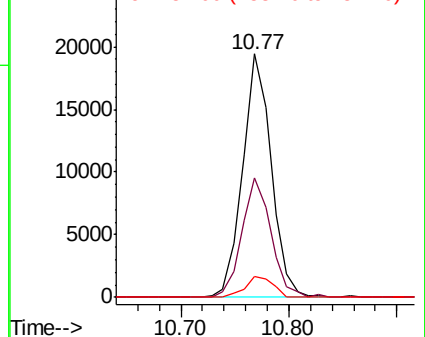


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

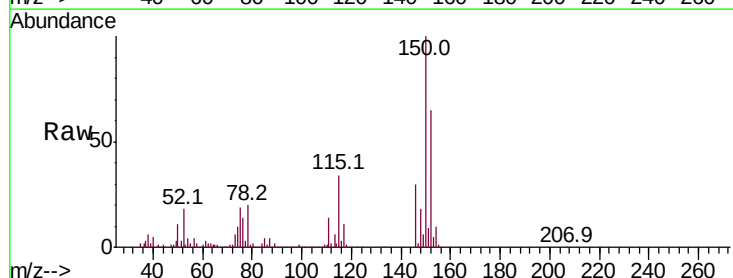
Tgt Ion:152 Resp: 209847

Ion Ratio Lower Upper

152 100

115 52.9 29.6 88.8

150 154.8 0.0 315.6

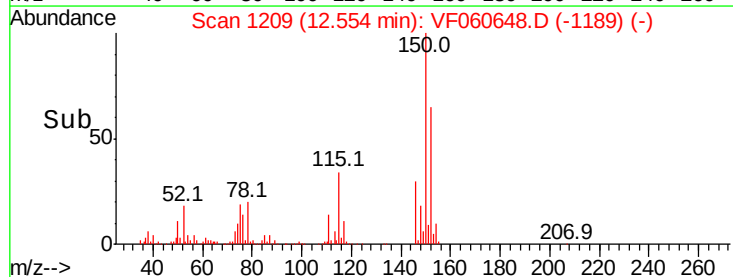
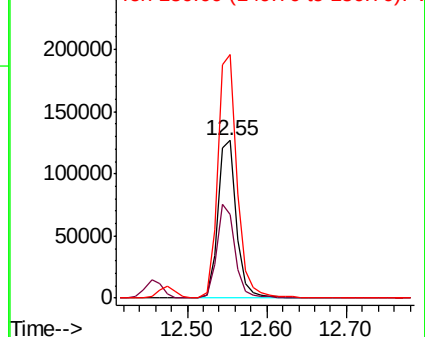


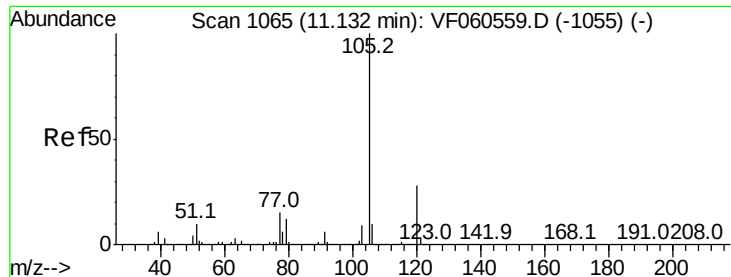
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

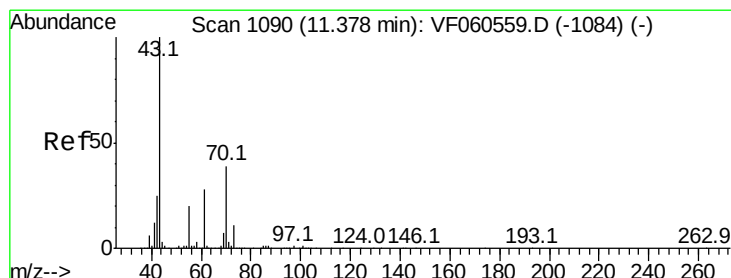
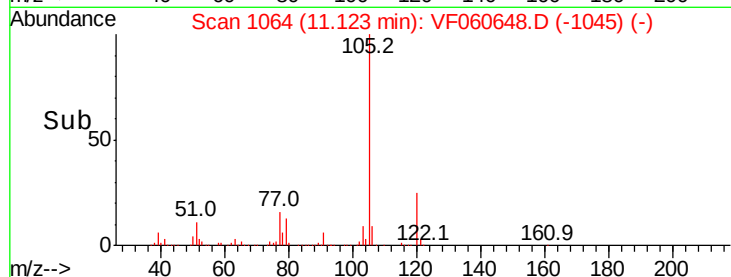
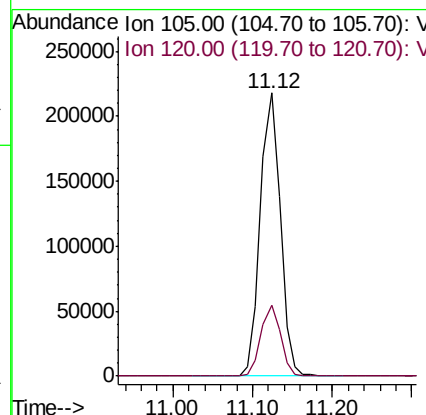
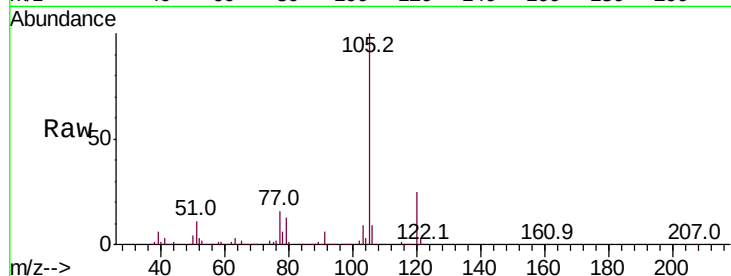




#73
Isopropylbenzene
Concen: 23.105 ug/l
RT: 11.12 min Scan# 1064
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

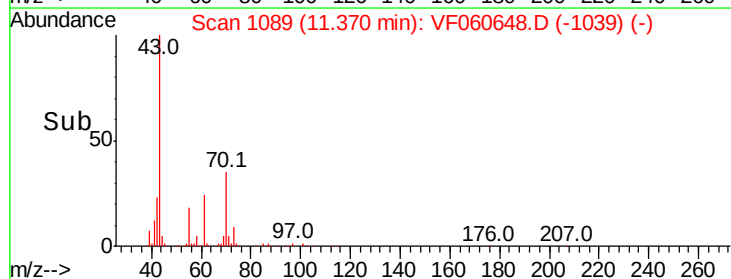
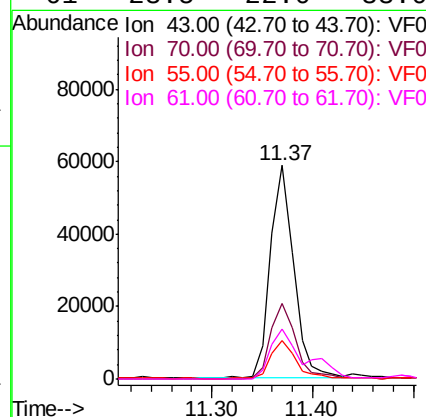
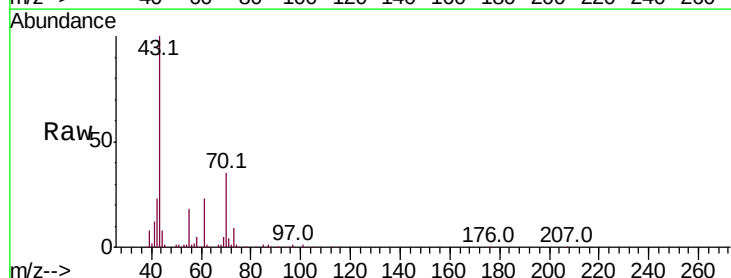
Instrument :
MSVOA_F
ClientSampleId :

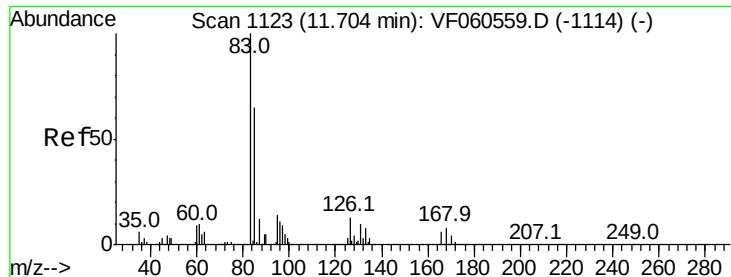
Tot Ion:105 Resp: 378126
Ion Ratio Lower Upper
105 100
120 25.2 13.9 41.6



#74
N-ethyl acetate
Concen: 20.857 ug/l
RT: 11.37 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Tgt Ion: 43 Resp: 95099
Ion Ratio Lower Upper
43 100
70 35.2 30.9 46.3
55 17.9 16.6 24.8
61 23.5 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 24.711 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

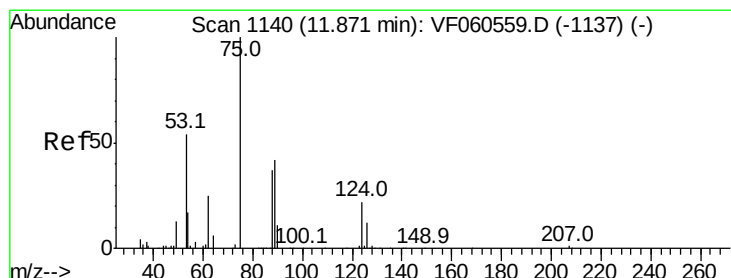
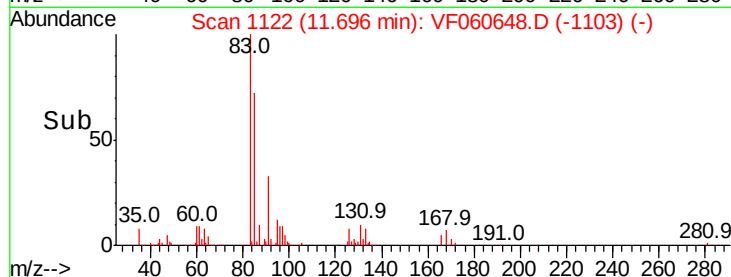
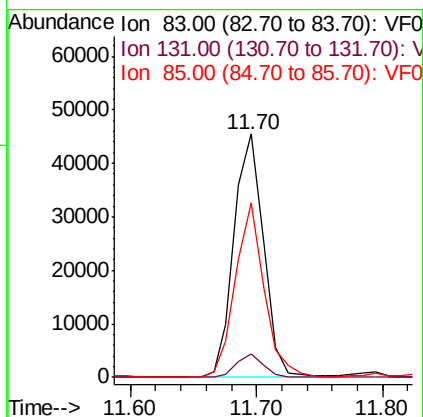
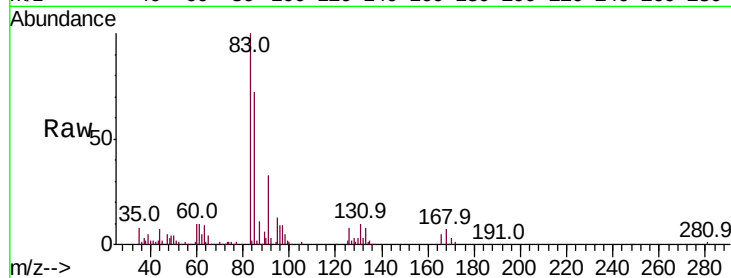
Tot Ion: 83 Resp: 73816

Ion Ratio Lower Upper

83 100

131 9.5 5.0 14.9

85 71.9 32.9 98.7



#76

1,2,3-Trichloropropane

Concen: 21.790 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF060648.D

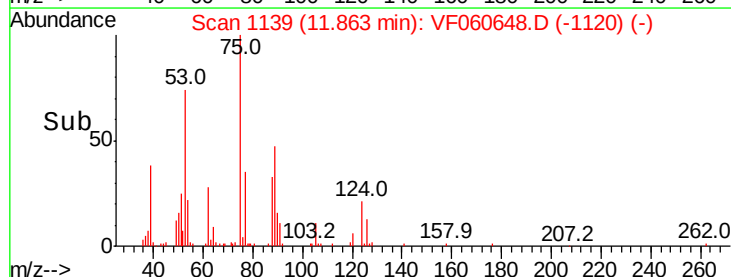
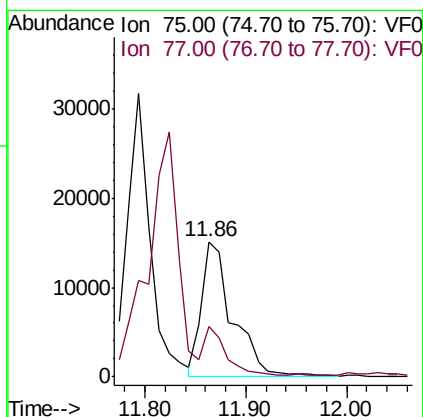
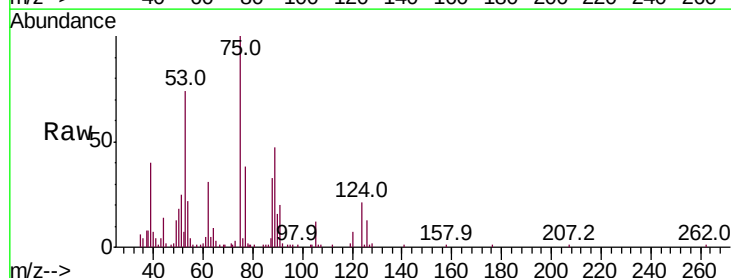
Acq: 8 Nov 2018 14:00

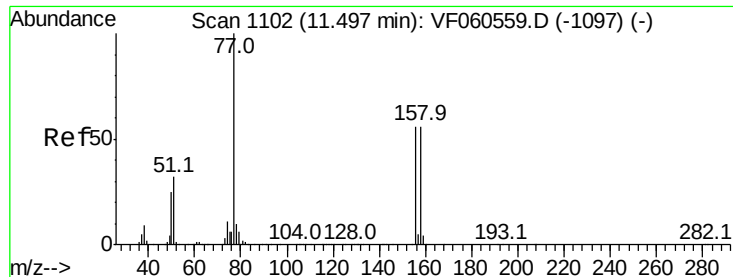
Tgt Ion: 75 Resp: 31989

Ion Ratio Lower Upper

75 100

77 37.7 17.4 52.3





#77

Bromobenzene

Concen: 21.788 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

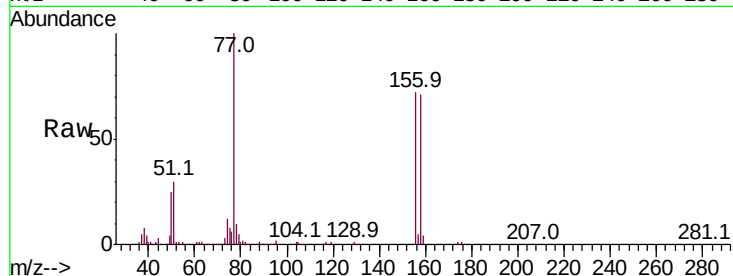
Tot Ion:156 Resp: 78021

Ion Ratio Lower Upper

156 100

77 139.7 89.3 268.1

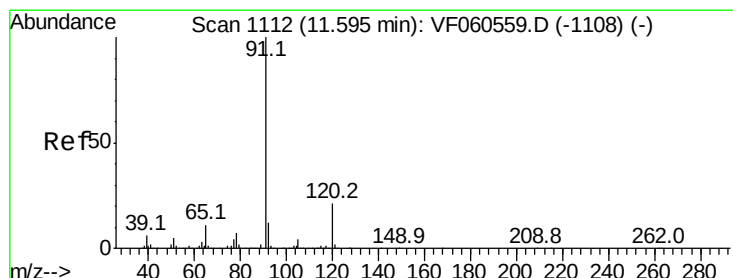
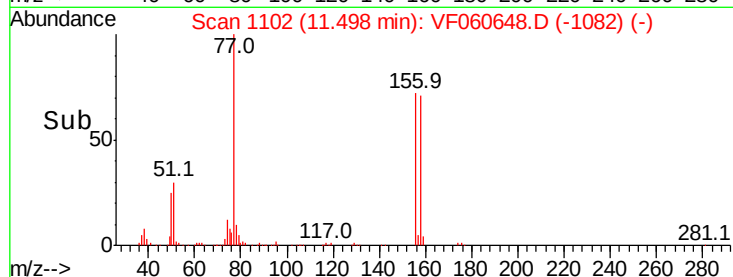
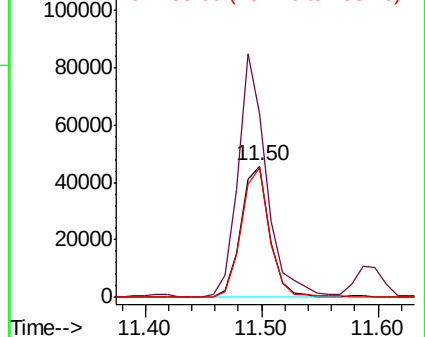
158 98.8 50.0 150.1



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 23.240 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF060648.D

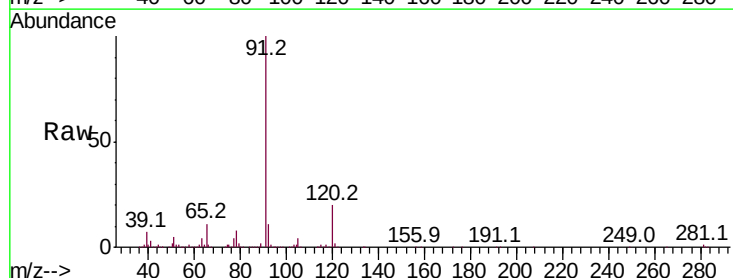
Acq: 8 Nov 2018 14:00

Tgt Ion: 91 Resp: 445001

Ion Ratio Lower Upper

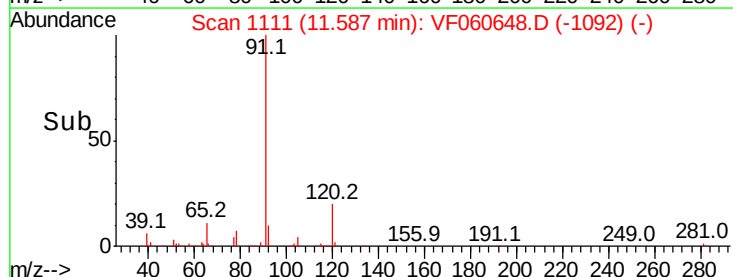
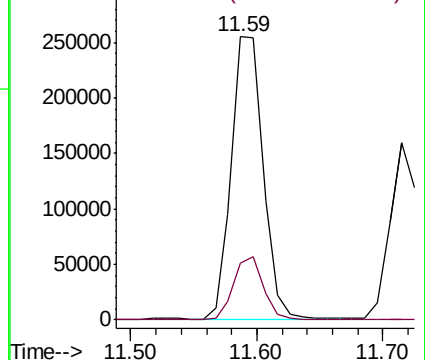
91 100

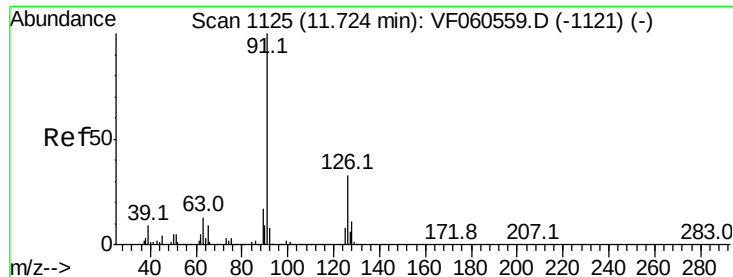
120 19.9 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

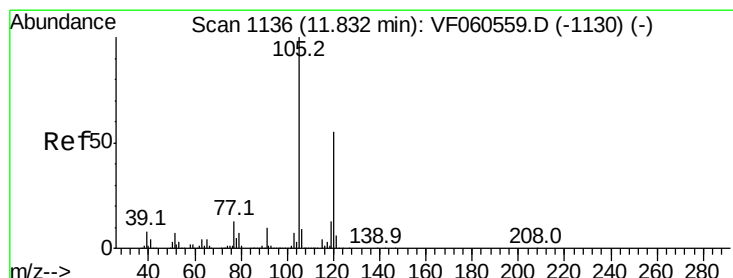
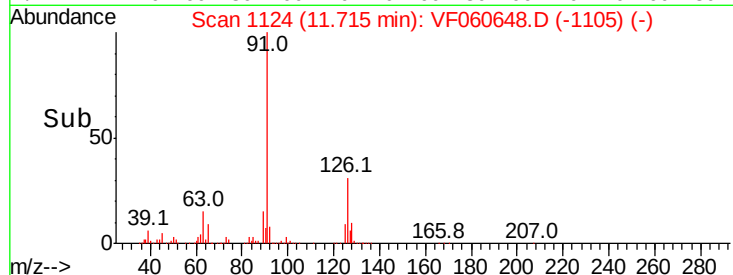
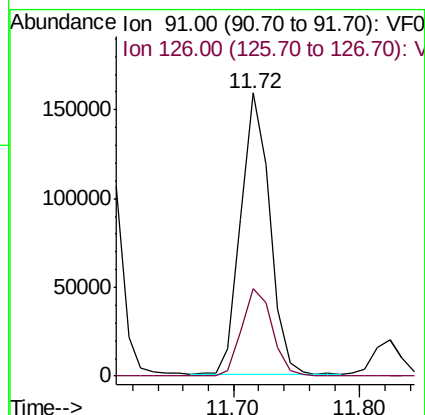
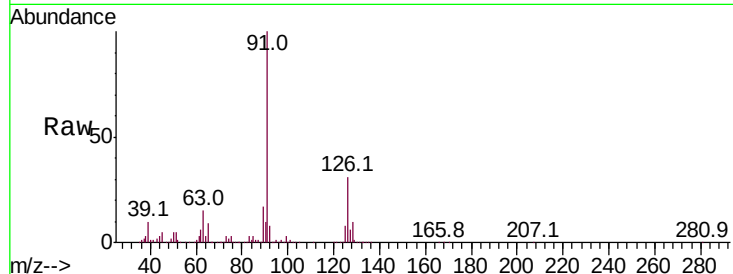




#79
 2-Chlorotoluene
 Concen: 22.977 ug/l
 RT: 11.72 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

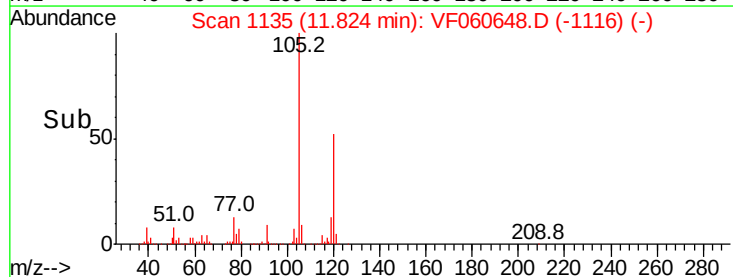
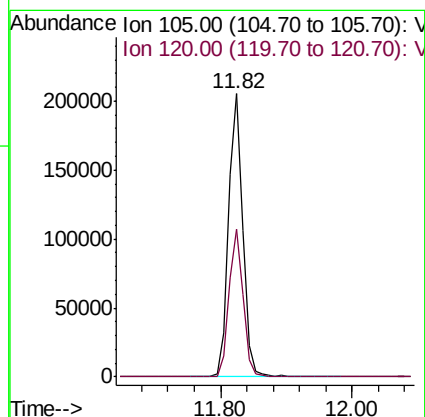
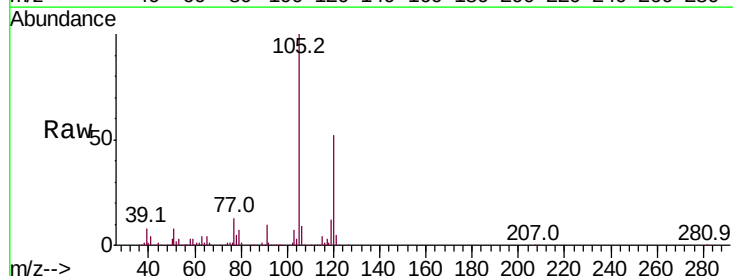
Instrument :
 MSVOA_F
 ClientSampleId :

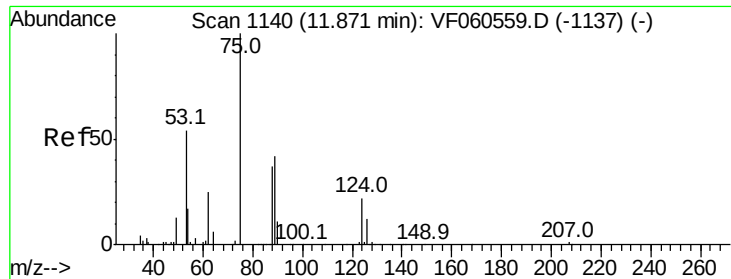
Tot Ion: 91 Resp: 251253
 Ion Ratio Lower Upper
 91 100
 126 31.1 16.5 49.5



#80
 1,3,5-Trimethylbenzene
 Concen: 23.145 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Tgt Ion: 105 Resp: 312215
 Ion Ratio Lower Upper
 105 100
 120 52.2 27.6 82.8





#81

trans-1,4-Dichloro-2-butene

Concen: 27.726 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

ClientSampled :

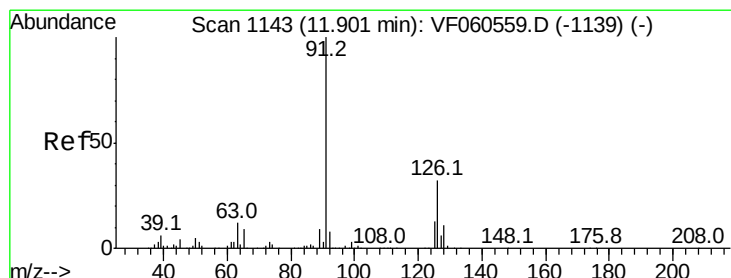
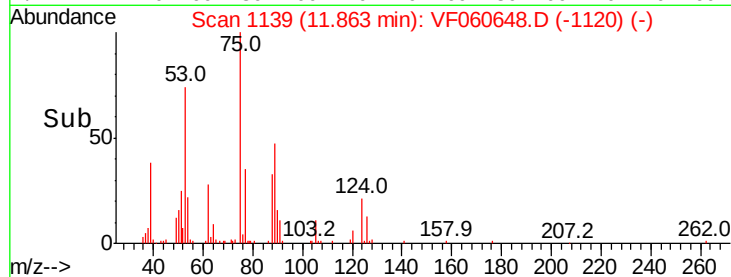
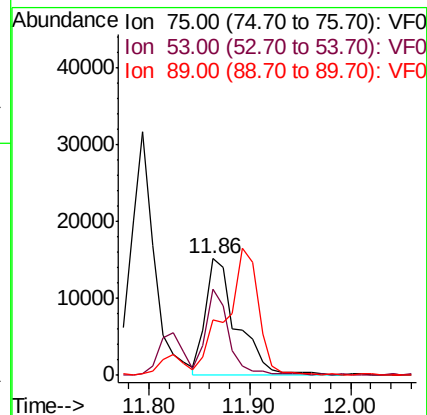
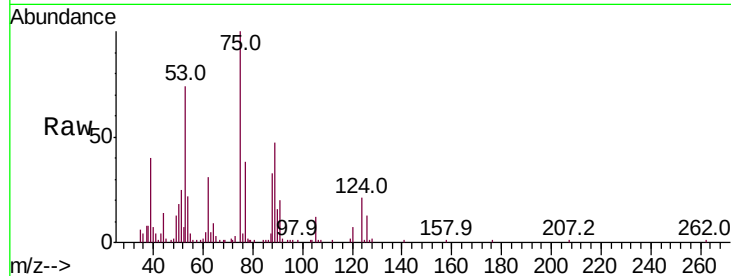
Tot Ion: 75 Resp: 31989

Ion Ratio Lower Upper

75 100

53 73.6 51.6 77.4

89 47.5 36.7 55.1



#82

4-Chlorotoluene

Concen: 22.536 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF060648.D

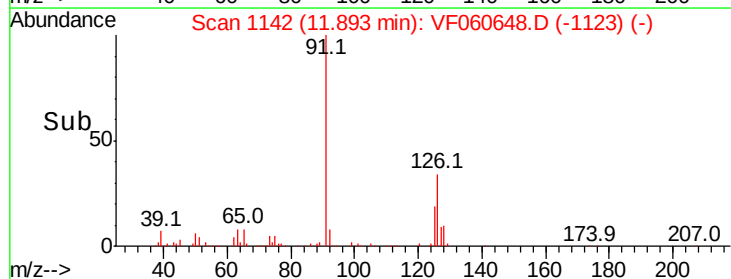
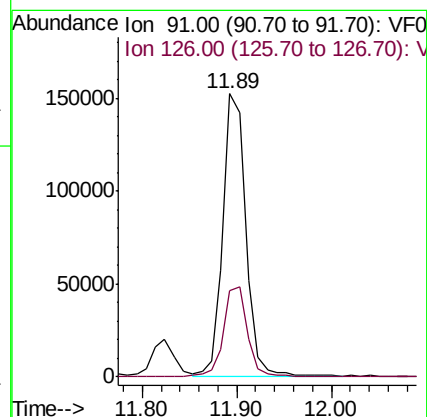
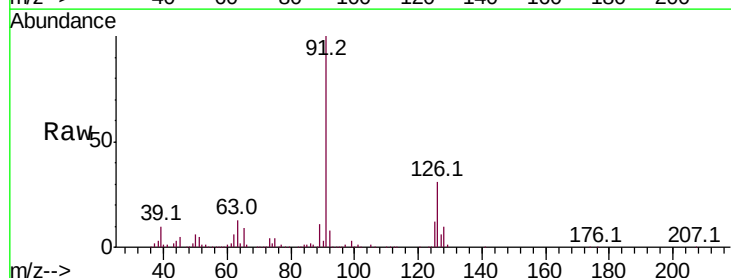
Acq: 8 Nov 2018 14:00

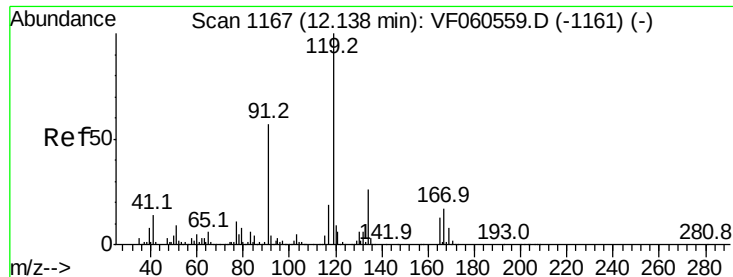
Tgt Ion: 91 Resp: 257104

Ion Ratio Lower Upper

91 100

126 30.7 15.9 47.7





#83

tert-Butylbenzene

Concen: 23.541 ug/l

RT: 12.13 min Scan# 1166

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

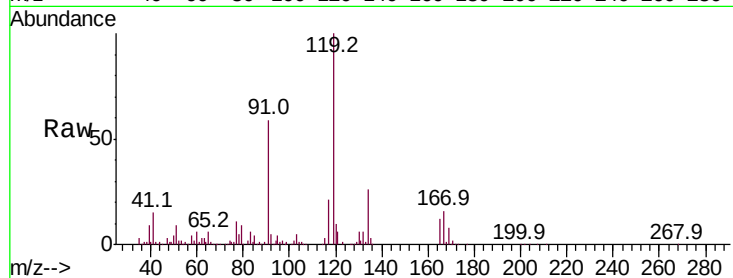
Tot Ion:119 Resp: 324413

Ion Ratio Lower Upper

119 100

91 59.2 28.8 86.4

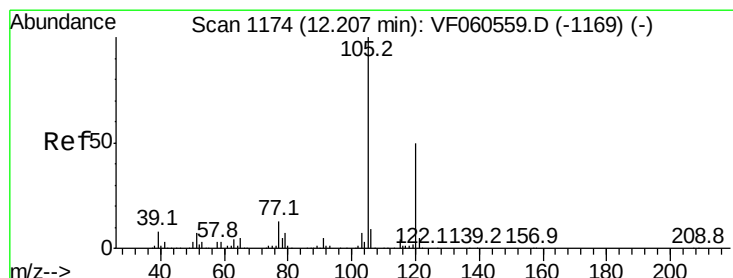
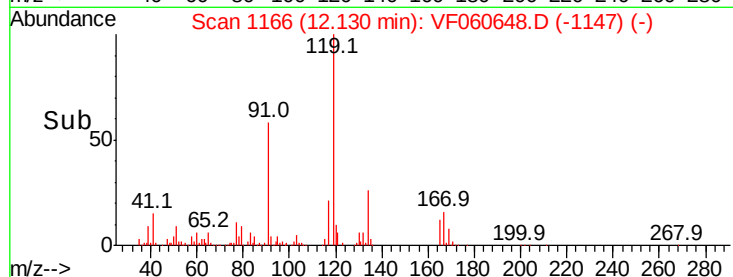
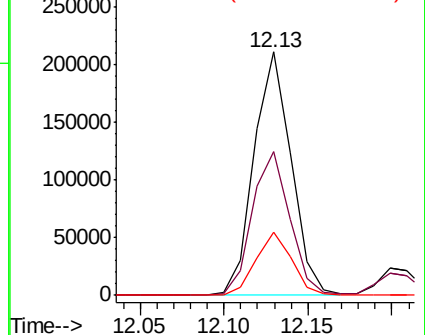
134 25.8 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 23.207 ug/l

RT: 12.20 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VF060648.D

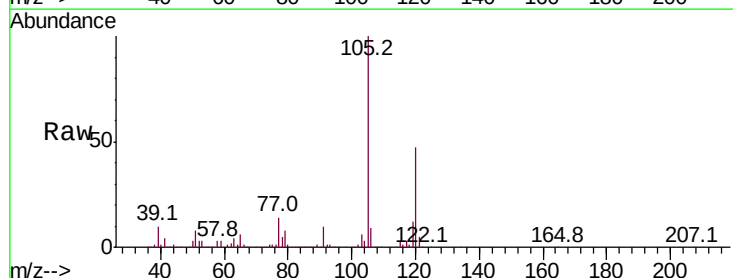
Acq: 8 Nov 2018 14:00

Tgt Ion:105 Resp: 306574

Ion Ratio Lower Upper

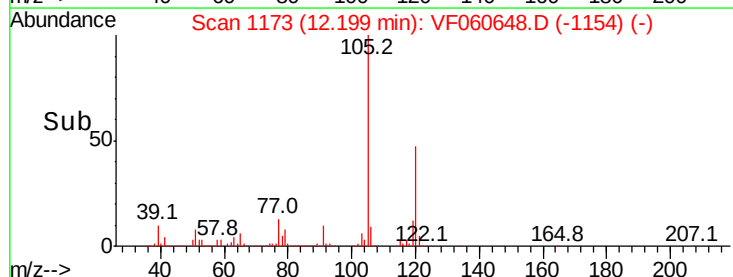
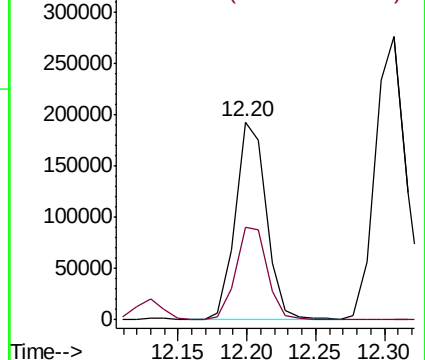
105 100

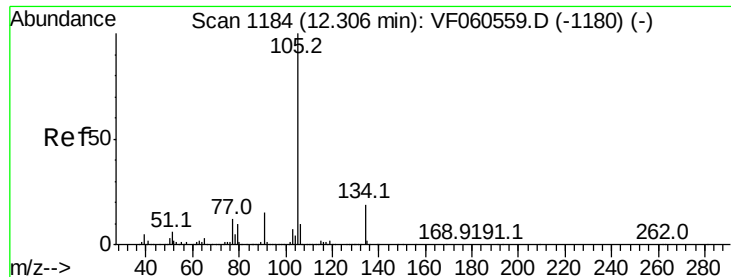
120 46.5 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.724 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

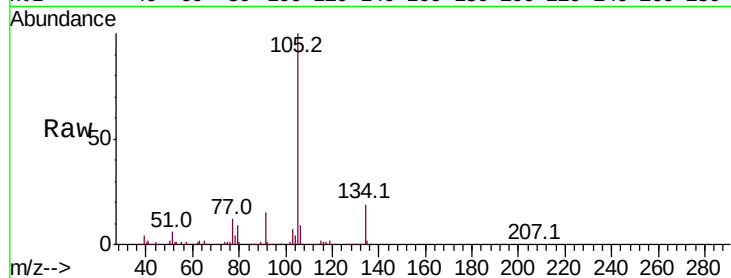
ClientSampled :

Tot Ion:105 Resp: 430793

Ion Ratio Lower Upper

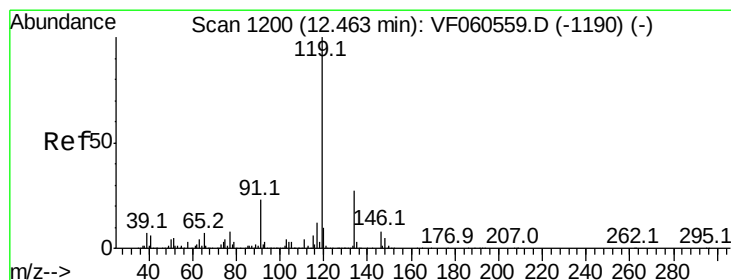
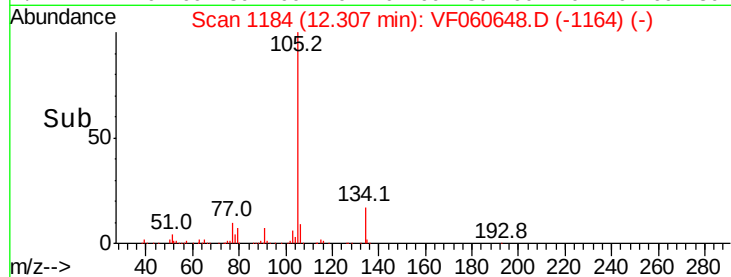
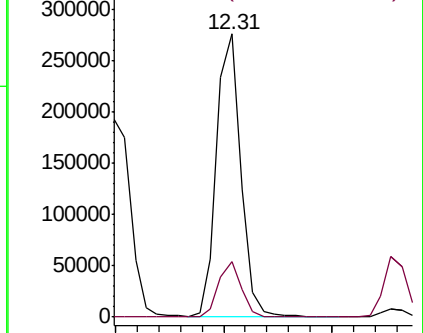
105 100

134 19.4 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.619 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

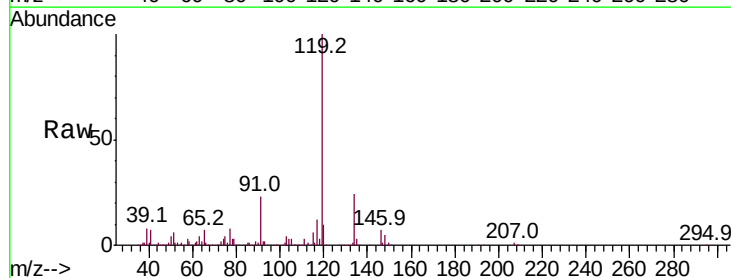
Tgt Ion:119 Resp: 353111

Ion Ratio Lower Upper

119 100

134 23.8 13.6 40.7

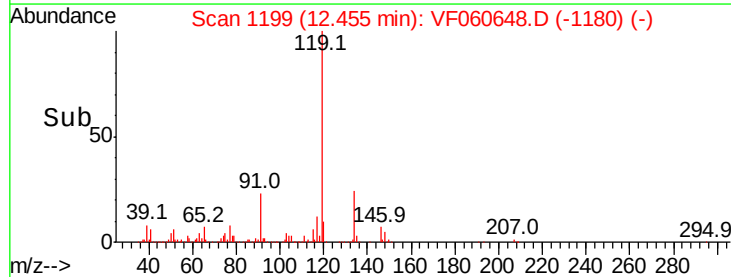
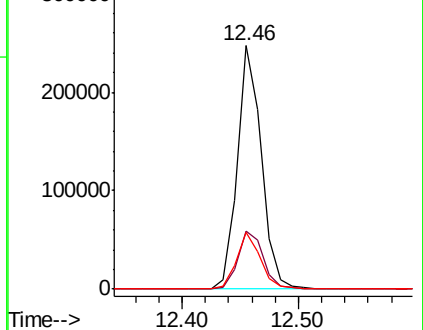
91 23.2 11.4 34.2

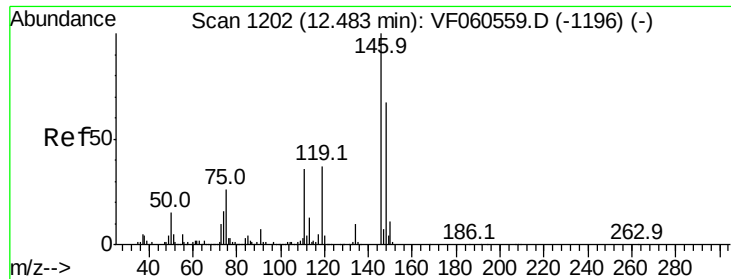


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

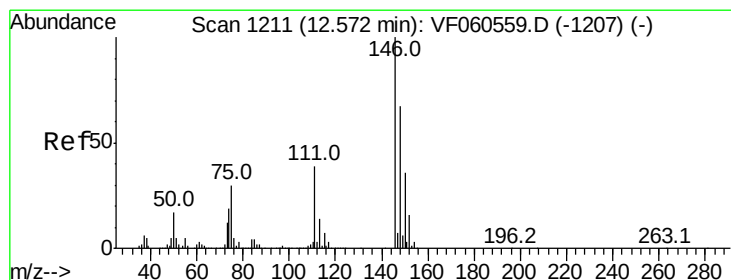
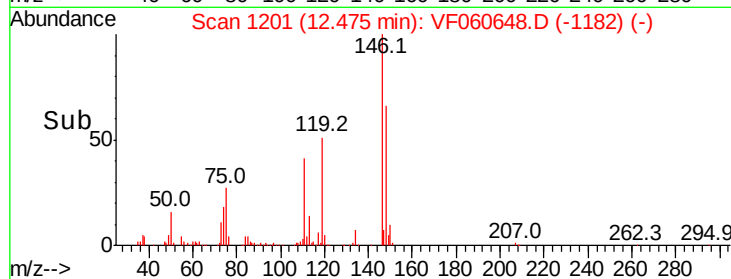
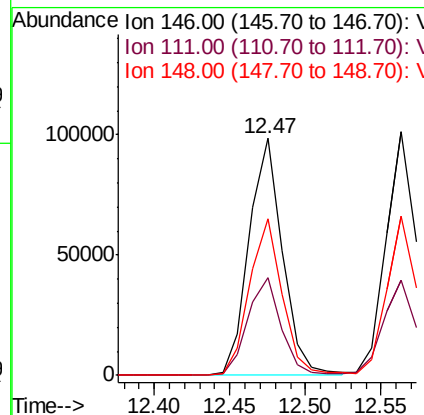
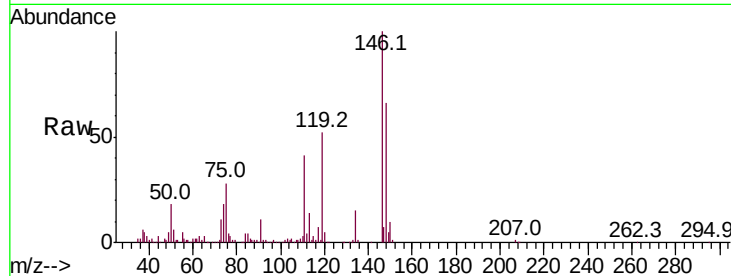




#87
 1,3-Dichlorobenzene
 Concen: 21.750 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

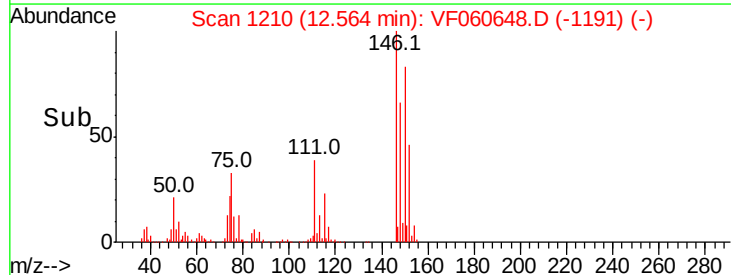
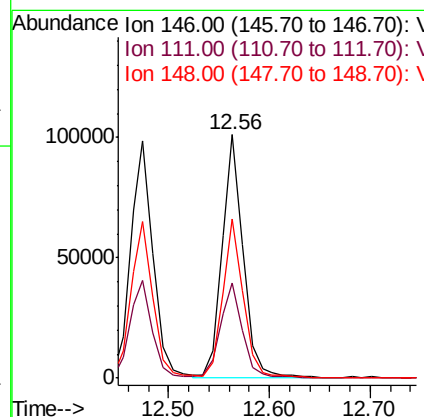
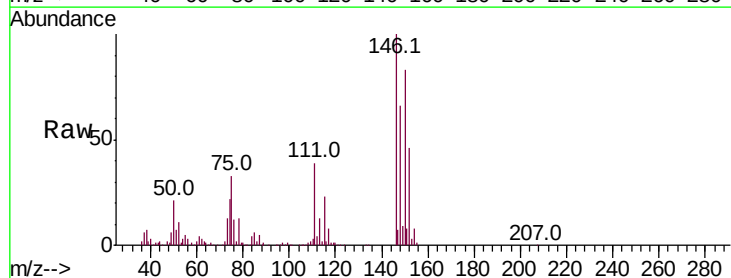
Instrument :
 MSVOA_F
 ClientSampleId :

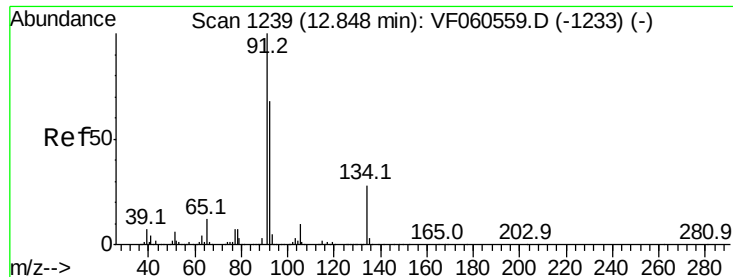
Tot Ion:146 Resp: 152872
 Ion Ratio Lower Upper
 146 100
 111 41.2 18.3 54.8
 148 66.4 33.5 100.4



#88
 1,4-Dichlorobenzene
 Concen: 22.276 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Tgt Ion:146 Resp: 148506
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.7 59.1
 148 65.6 33.7 101.1

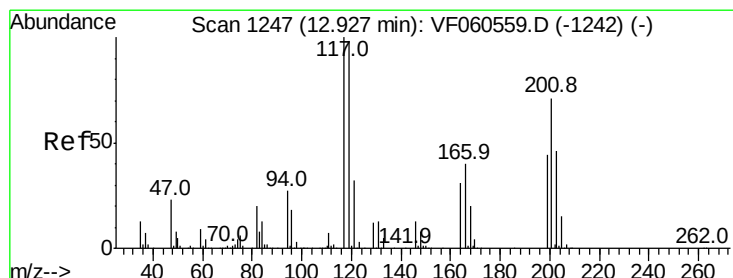
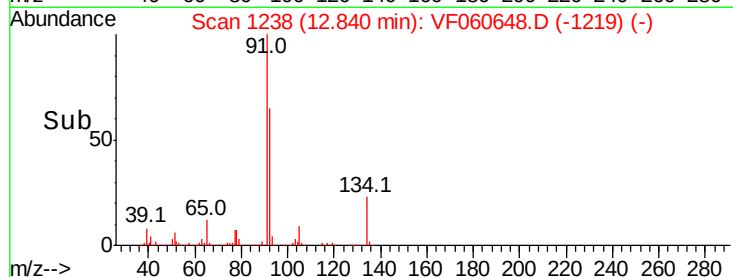
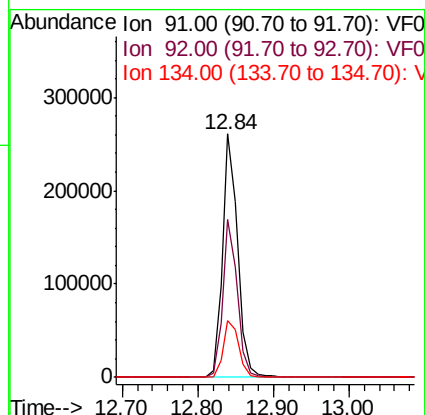
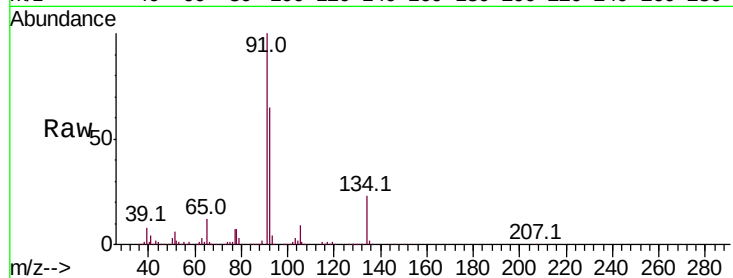




#89
n-Butylbenzene
Concen: 21.653 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

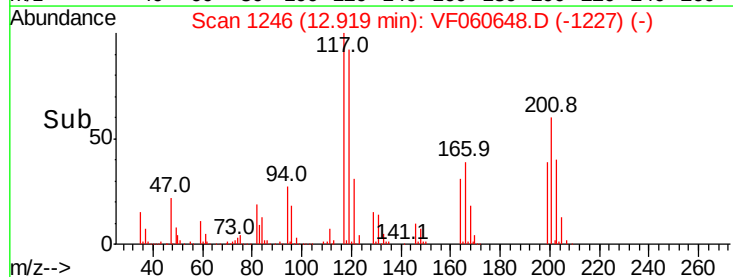
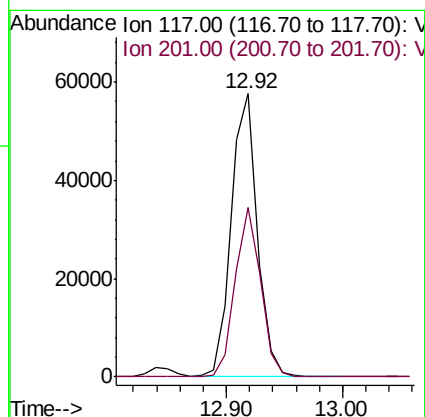
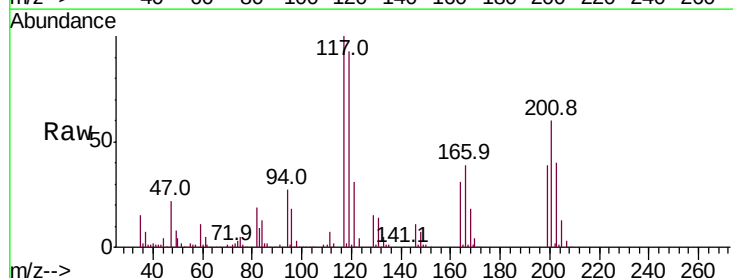
Instrument :
MSVOA_F
ClientSampleId :

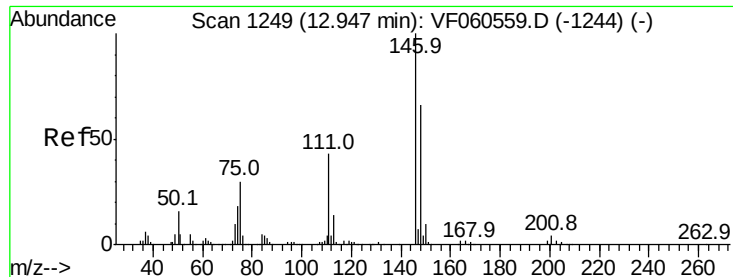
Tot Ion: 91 Resp: 367116
Ion Ratio Lower Upper
91 100
92 64.8 34.1 102.2
134 23.1 13.9 41.6



#90
Hexachloroethane
Concen: 22.594 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Tgt Ion: 117 Resp: 89700
Ion Ratio Lower Upper
117 100
201 59.8 35.2 105.6

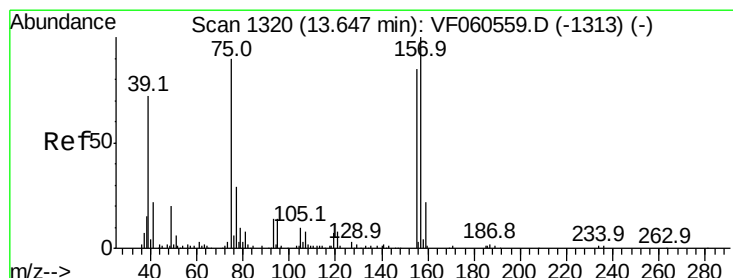
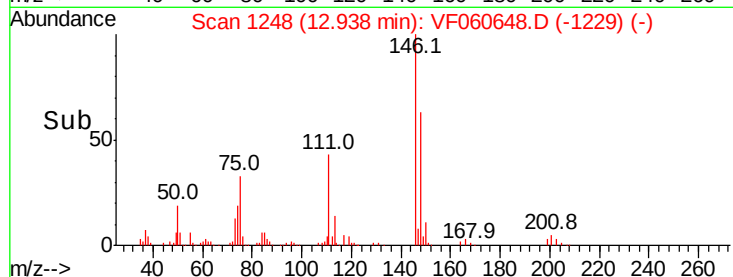
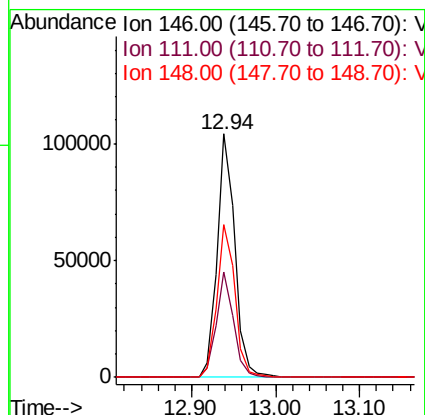
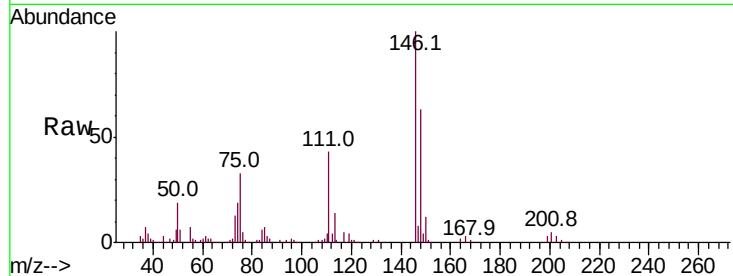




#91
 1,2-Dichlorobenzene
 Concen: 23.236 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

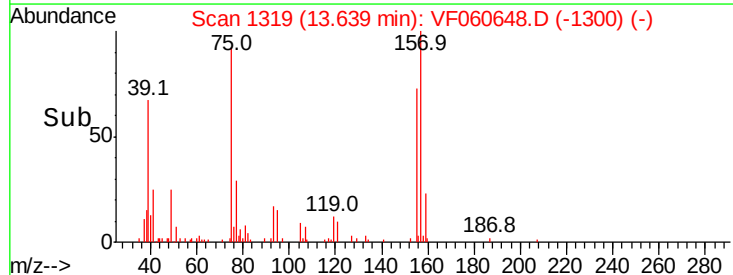
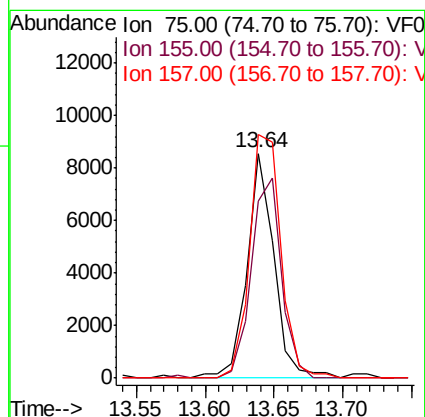
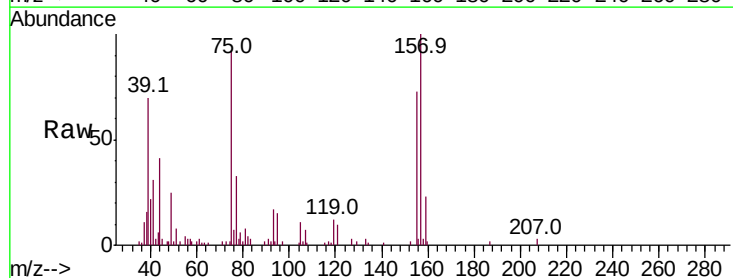
Instrument :
 MSVOA_F
 ClientSampled :

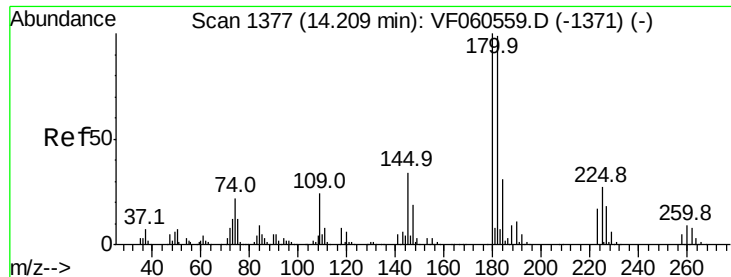
Tot Ion:146 Resp: 152794
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.3 64.0
 148 62.7 32.9 98.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.843 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Tgt Ion: 75 Resp: 11855
 Ion Ratio Lower Upper
 75 100
 155 78.9 47.3 141.8
 157 108.3 55.3 165.9

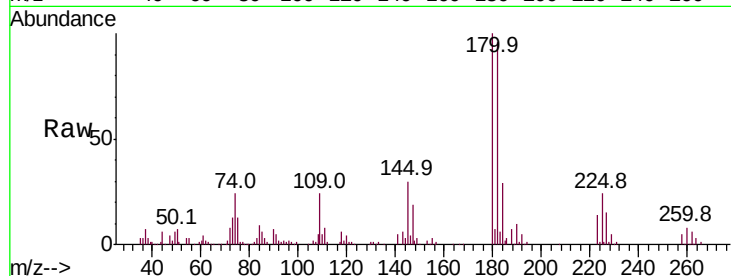




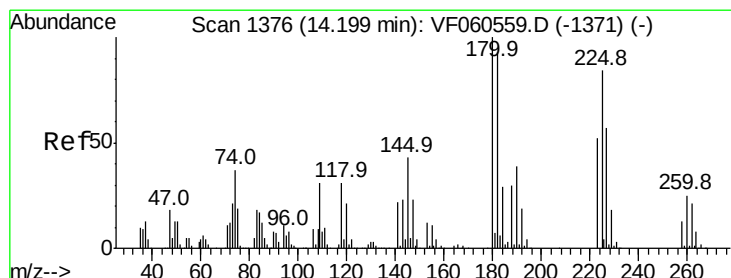
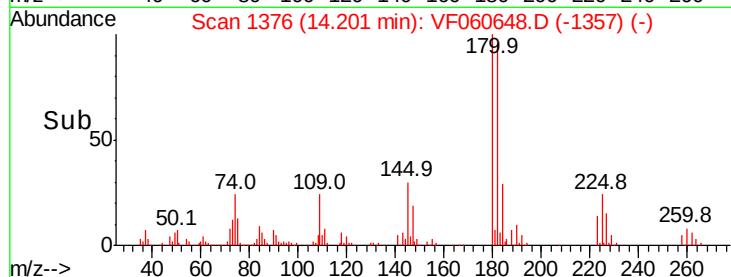
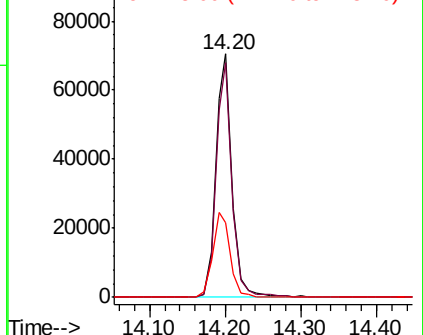
#93
 1,2,4-Trichlorobenzene
 Concen: 23.807 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 106352
 Ion Ratio Lower Upper
 180 100
 182 96.3 49.7 149.1
 145 30.5 16.9 50.7

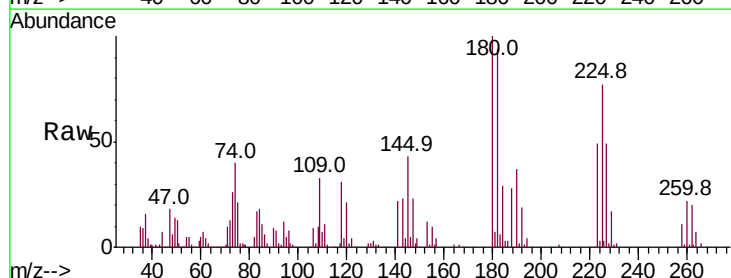


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

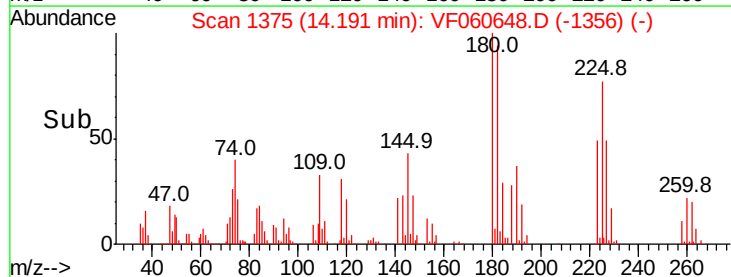
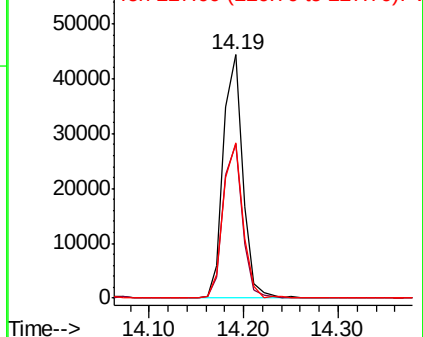


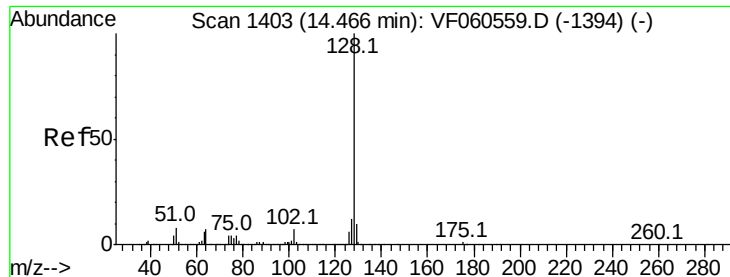
#94
 Hexachlorobutadiene
 Concen: 21.833 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Tgt Ion:225 Resp: 63202
 Ion Ratio Lower Upper
 225 100
 223 63.5 30.9 92.5
 227 64.0 33.9 101.6



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

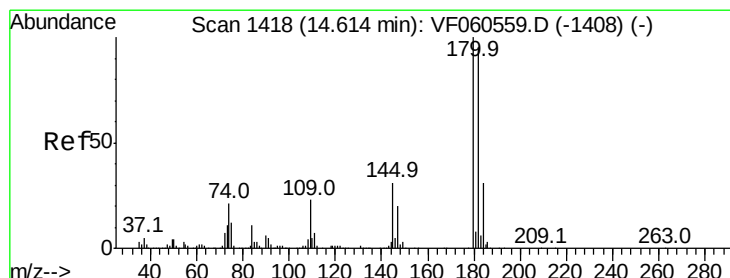
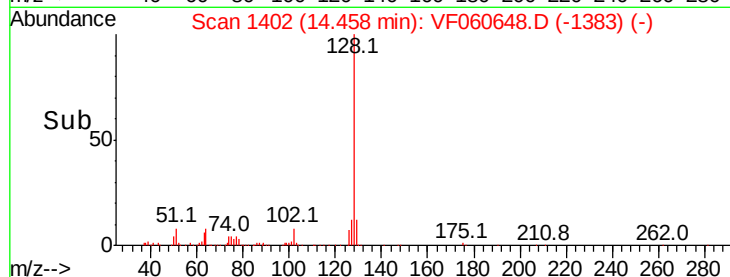
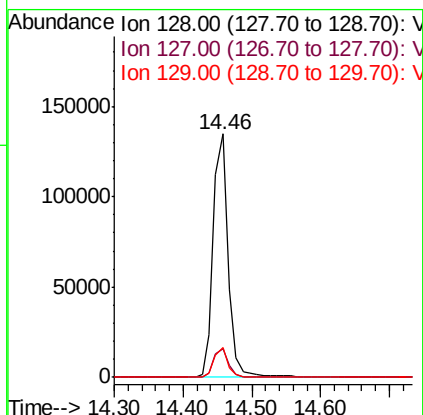
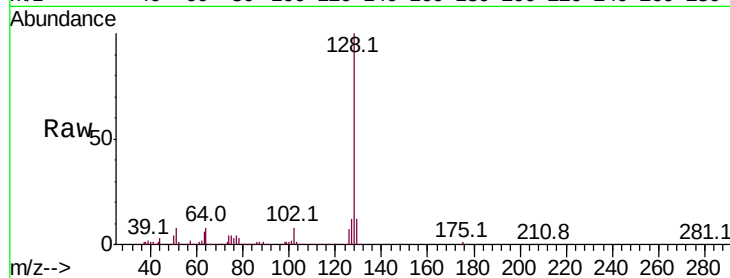




#95
Naphthalene
Concen: 22.834 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 204164
Ion Ratio Lower Upper
128 100
127 11.6 9.4 14.0
129 12.2 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 23.288 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.02 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Tgt Ion:180 Resp: 98274
Ion Ratio Lower Upper
180 100
182 94.1 47.3 142.0
145 37.2 15.6 46.8

