

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120618\
 Data File : VF060914.D
 Acq On : 6 Dec 2018 13:45
 Operator : VA/AP
 Sample : VF1206SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 06 15:46:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	183809	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	308192	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	286619	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.55	152	155042	50.00	ug/l	-0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	128634	59.41	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	118.82%	
35) Dibromofluoromethane	4.10	113	133003	54.40	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	108.80%	
50) Toluene-d8	7.55	98	384273	53.36	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	106.72%	
62) 4-Bromofluorobenzene	11.40	95	169950	51.92	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	103.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	60639	22.064	ug/l	90
3) Chloromethane	1.10	50	38384	21.463	ug/l #	88
4) Vinyl Chloride	1.14	62	37390	22.414	ug/l #	86
5) Bromomethane	1.32	94	25786	21.922	ug/l	95
6) Chloroethane	1.40	64	17527	24.306	ug/l	97
7) Trichlorofluoromethane	1.49	101	56254	15.717	ug/l	99
8) Diethyl Ether	1.63	74	12214	23.731	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.84	101	42167	23.304	ug/l	92
10) Methyl Iodide	1.91	142	53417	19.422	ug/l	96
11) Tert butyl alcohol	2.58	59	9783	110.216	ug/l #	92
12) 1,1-Dichloroethene	1.80	96	32585	22.389	ug/l	93
13) Acrolein	2.00	56	8523	101.345	ug/l	96
14) Allyl chloride	2.09	41	34726	19.143	ug/l	93
15) Acrylonitrile	2.94	53	22751	114.328	ug/l	93
16) Acetone	2.24	43	47346	118.573	ug/l	99
17) Carbon Disulfide	1.83	76	67614	17.326	ug/l	99
18) Methyl Acetate	2.43	43	20699	30.247	ug/l	93
19) Methyl tert-butyl Ether	2.43	73	73230	22.340	ug/l	98
20) Methylene Chloride	2.26	84	27573	18.823	ug/l	93
21) trans-1,2-Dichloroethene	2.30	96	24989	17.809	ug/l	92
22) Diisopropyl ether	2.79	45	110399	22.358	ug/l	95
23) Vinyl Acetate	3.19	43	289459	128.243	ug/l	98
24) 1,1-Dichloroethane	2.86	63	67854	23.097	ug/l	98
25) 2-Butanone	4.33	43	83592	121.034	ug/l	97
26) 2,2-Dichloropropane	3.59	77	41063	21.560	ug/l	98
27) cis-1,2-Dichloroethene	3.47	96	50407	22.067	ug/l	96
28) Bromochloromethane	3.71	49	33646	23.864	ug/l	91
29) Tetrahydrofuran	4.07	42	32790	112.005	ug/l	99
30) Chloroform	3.86	83	102774	22.730	ug/l	98
31) Cyclohexane	3.69	56	37351	12.251	ug/l	87
32) 1,1,1-Trichloroethane	4.08	97	57369	18.295	ug/l	97
36) 1,1-Dichloropropene	4.27	75	77302	22.614	ug/l	97
37) Ethyl Acetate	4.11	43	28735	20.686	ug/l #	75
38) Carbon Tetrachloride	3.98	117	61226	20.278	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120618\
 Data File : VF060914.D
 Acq On : 6 Dec 2018 13:45
 Operator : VA/AP
 Sample : VF1206SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 06 15:46:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	64875	18.110	ug/l	95
40) Benzene	4.63	78	164629	21.800	ug/l	98
41) Methacrylonitrile	4.74	41	16671	20.923	ug/l	93
42) 1,2-Dichloroethane	4.93	62	60584	21.974	ug/l	96
43) Isopropyl Acetate	6.95	43	36641	19.732	ug/l #	95
44) Trichloroethene	5.49	130	52059	21.083	ug/l	98
45) 1,2-Dichloropropane	6.23	63	44081	22.475	ug/l #	87
46) Dibromomethane	6.09	93	28507	21.426	ug/l	99
47) Bromodichloromethane	6.38	83	77723	21.994	ug/l	98
48) Methyl methacrylate	6.72	41	25769	20.494	ug/l	95
49) 1,4-Dioxane	6.71	88	4106	446.179	ug/l #	76
51) 4-Methyl-2-Pentanone	8.26	43	138583	108.183	ug/l	99
52) Toluene	7.62	92	105340	19.858	ug/l	94
53) t-1,3-Dichloropropene	8.28	75	62614	21.783	ug/l	97
54) cis-1,3-Dichloropropene	7.30	75	74549	20.950	ug/l	92
55) 1,1,2-Trichloroethane	8.48	97	31130	20.140	ug/l	99
56) Ethyl methacrylate	8.62	69	35363	20.595	ug/l	98
57) 1,3-Dichloropropane	8.85	76	59943	22.166	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.29	63	29532	168.150	ug/l	93
59) 2-Hexanone	9.49	43	98955	110.109	ug/l	99
60) Dibromochloromethane	8.71	129	48011	20.847	ug/l	97
61) 1,2-Dibromoethane	8.99	107	34647	20.750	ug/l	97
64) Tetrachloroethene	8.15	164	45386	20.732	ug/l	95
65) Chlorobenzene	9.80	112	121355	21.764	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.92	131	53172	22.182	ug/l	97
67) Ethyl Benzene	9.89	91	233259	22.471	ug/l	99
68) m/p-Xylenes	10.13	106	165144	44.233	ug/l	99
69) o-Xylene	10.71	106	90465	21.974	ug/l	91
70) Styrene	10.78	104	125377	21.969	ug/l	98
71) Bromoform	10.77	173	23814	20.568	ug/l #	95
73) Isopropylbenzene	11.12	105	272539	22.244	ug/l	98
74) N-amyl acetate	11.36	43	64120	22.663	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	44854	22.244	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	31586	21.550	ug/l	100
77) Bromobenzene	11.49	156	56984	21.214	ug/l	91
78) n-propylbenzene	11.59	91	330414	23.028	ug/l	100
79) 2-Chlorotoluene	11.72	91	184908	22.475	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	218947	22.012	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.87	75	21180	29.493	ug/l	92
82) 4-Chlorotoluene	11.90	91	191508	22.119	ug/l	100
83) tert-Butylbenzene	12.12	119	230958	22.795	ug/l	94
84) 1,2,4-Trimethylbenzene	12.20	105	226216	22.788	ug/l	97
85) sec-Butylbenzene	12.30	105	306693	22.112	ug/l	99
86) p-Isopropyltoluene	12.46	119	254407	21.878	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	109716	21.473	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	106718	21.432	ug/l	93
89) n-Butylbenzene	12.84	91	272687	23.191	ug/l	94
90) Hexachloroethane	12.91	117	63334	22.618	ug/l	94
91) 1,2-Dichlorobenzene	12.94	146	103947	21.483	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	7705	19.764	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF120618\
Data File : VF060914.D
Acq On : 6 Dec 2018 13:45
Operator : VA/AP
Sample : VF1206SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Dec 06 15:46:00 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration

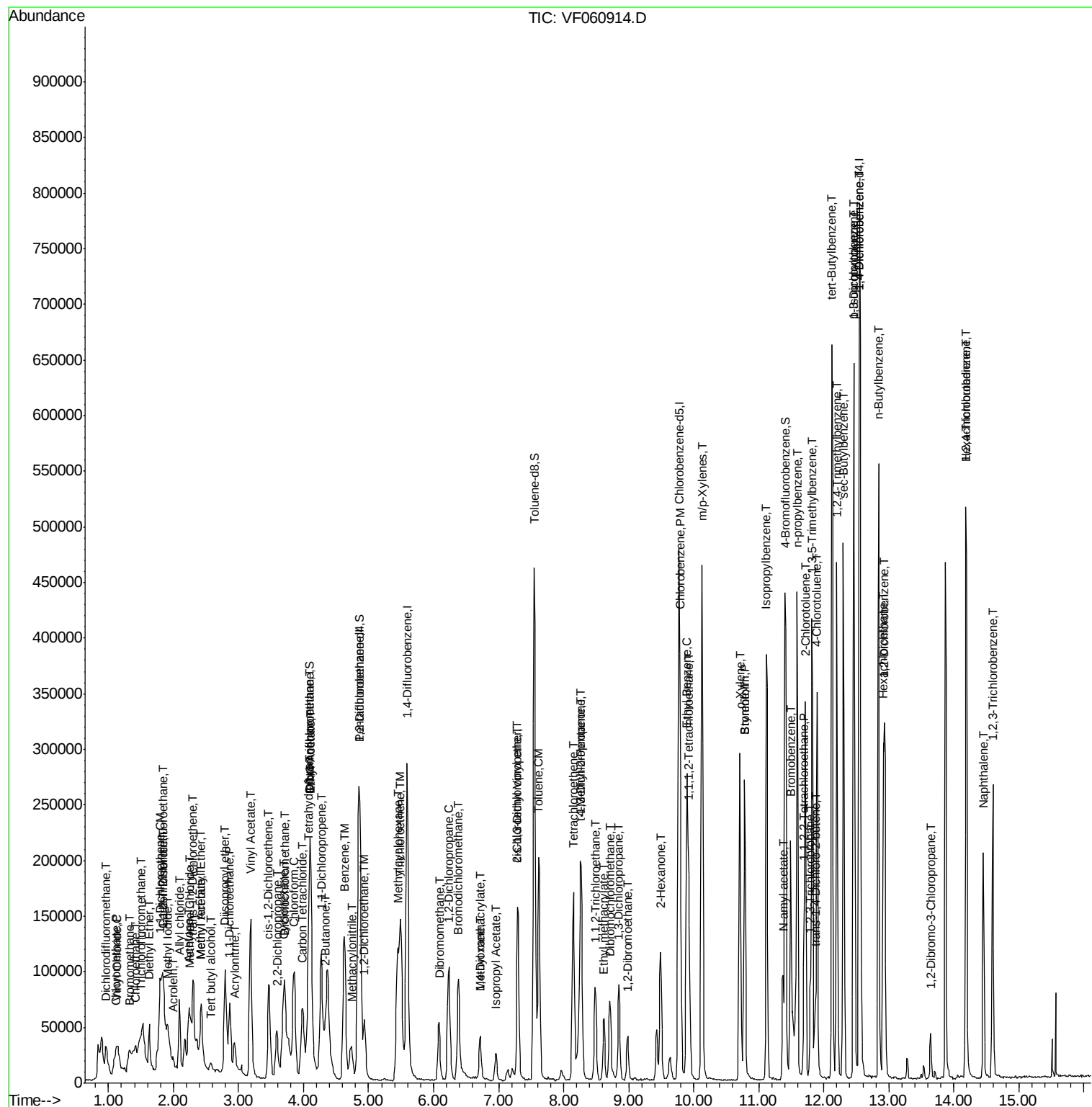
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	77378	22.887	ug/l	99
94) Hexachlorobutadiene	14.18	225	49217	21.838	ug/l	95
95) Naphthalene	14.45	128	134037	18.201	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	68986	21.976	ug/l	96

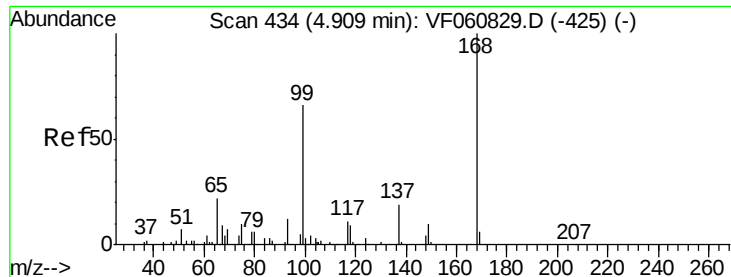
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF120618\
Data File : VF060914.D
Acq On : 6 Dec 2018 13:45
Operator : VA/AP
Sample : VF1206SBS01
Misc : 5.00µL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Dec 06 15:46:00 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.05 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

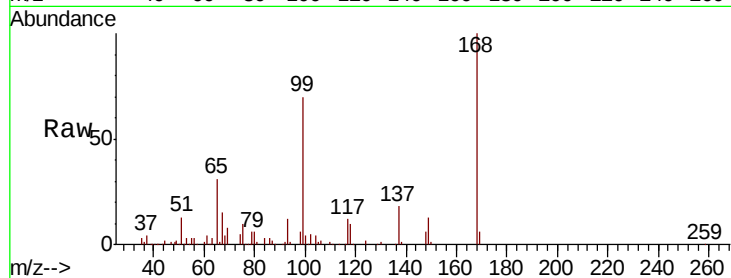
ClientSampleId :

Tot Ion:168 Resp: 183809

Ion Ratio Lower Upper

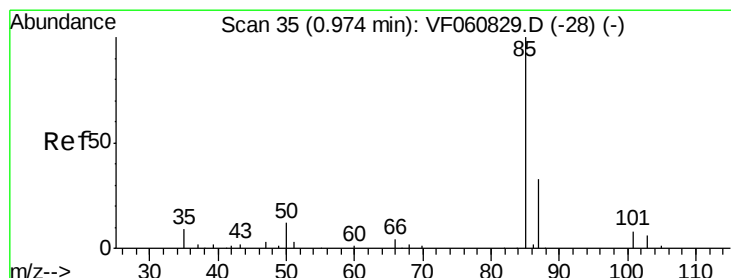
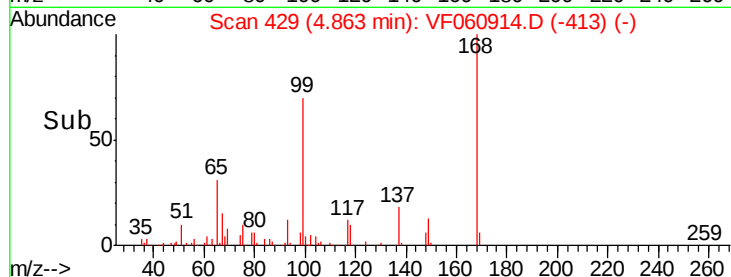
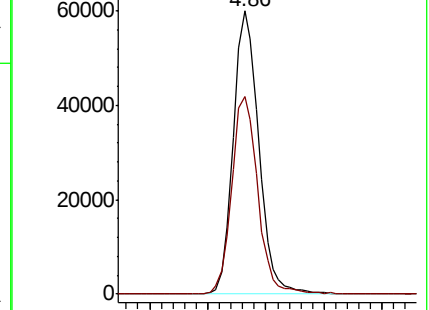
168 100

99 70.0 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 22.064 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.02 min

Lab File: VF060914.D

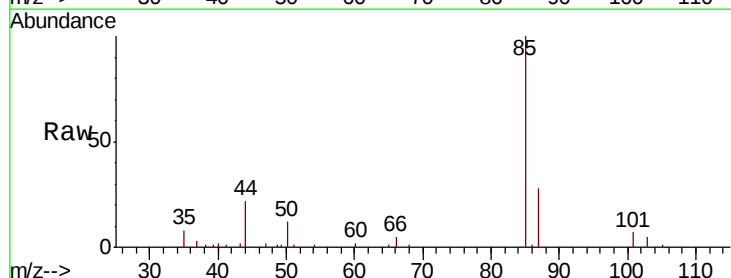
Acq: 6 Dec 2018 13:45

Tgt Ion: 85 Resp: 60639

Ion Ratio Lower Upper

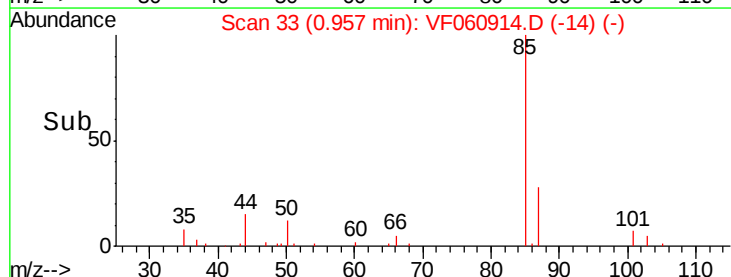
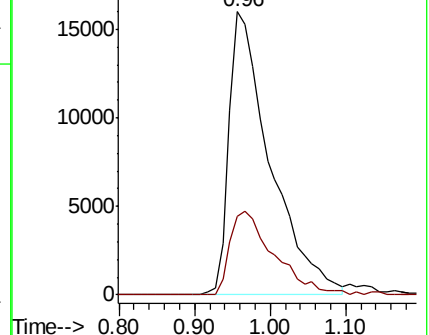
85 100

87 27.7 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 21.463 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

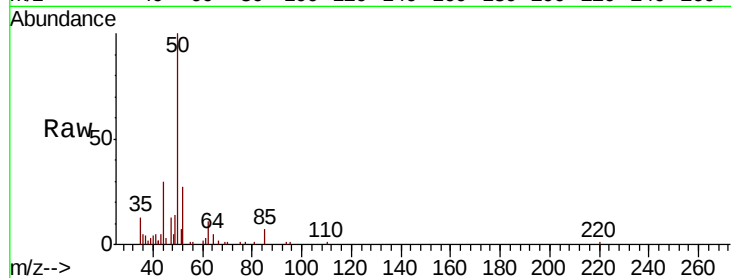
ClientSampleId :

Tot Ion: 50 Resp: 38384

Ion Ratio Lower Upper

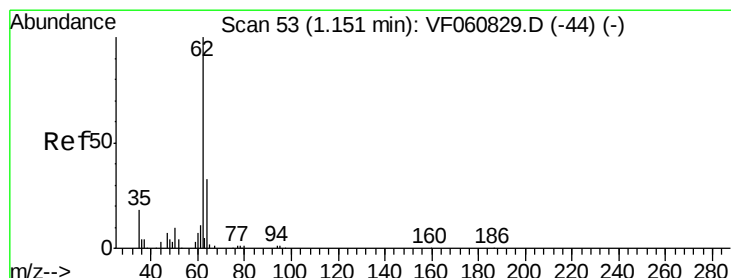
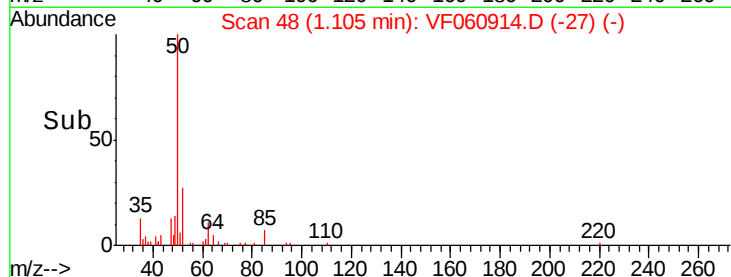
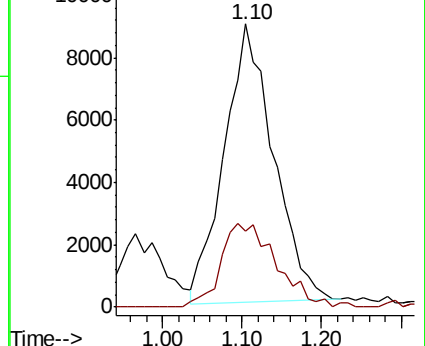
50 100

52 26.9 27.0 40.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 22.414 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060914.D

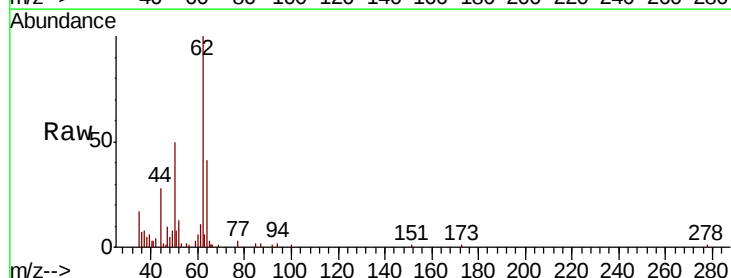
Acq: 6 Dec 2018 13:45

Tgt Ion: 62 Resp: 37390

Ion Ratio Lower Upper

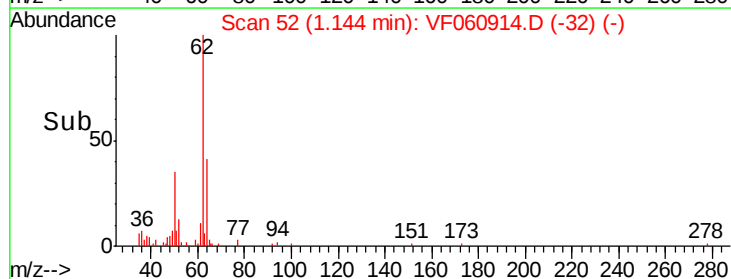
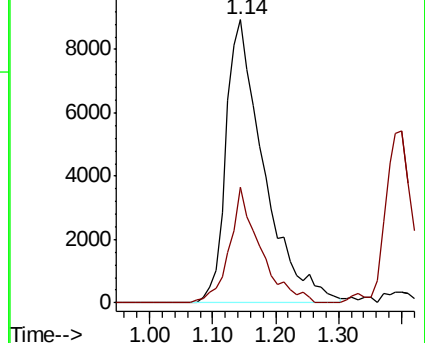
62 100

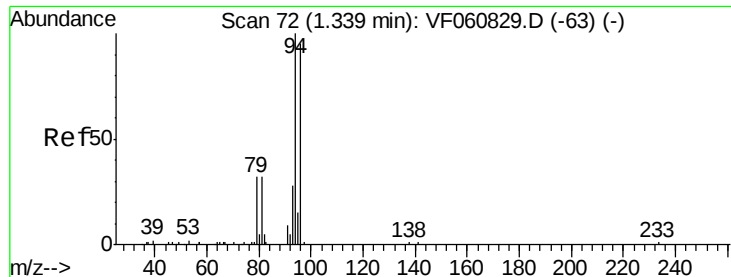
64 41.0 26.4 39.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 21.922 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

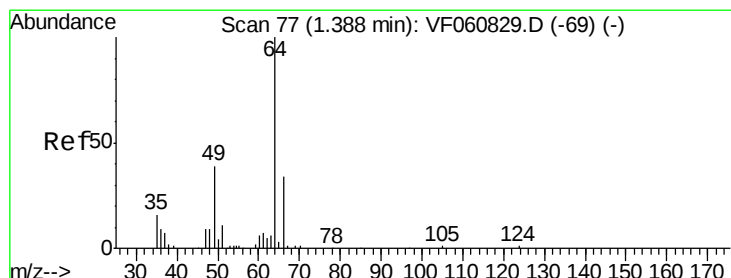
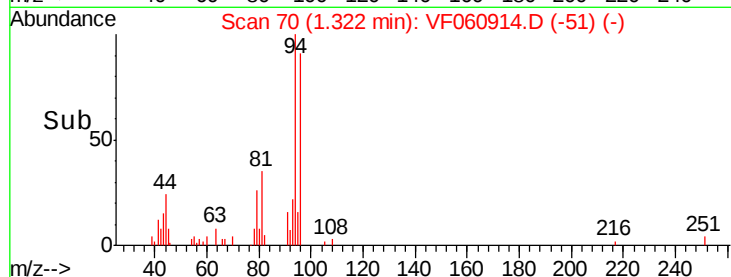
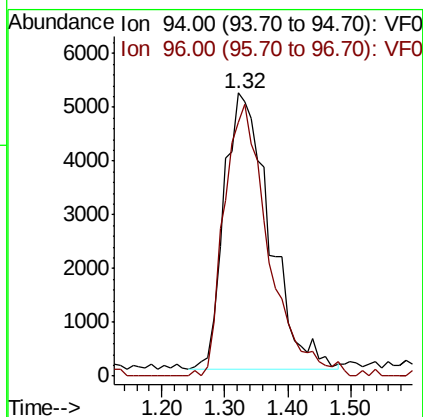
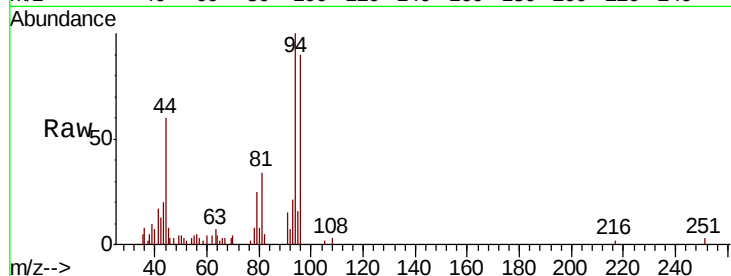
ClientSampleId :

Tot Ion: 94 Resp: 25786

Ion Ratio Lower Upper

94 100

96 89.9 75.9 113.9



#6

Chloroethane

Concen: 24.306 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF060914.D

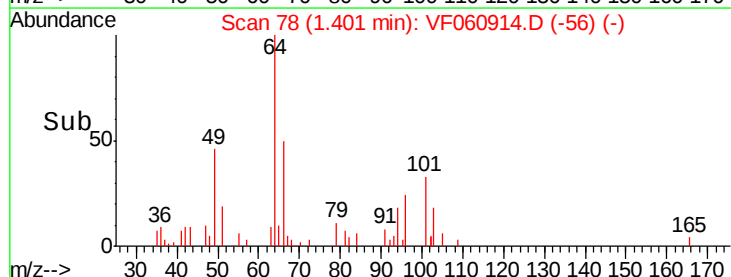
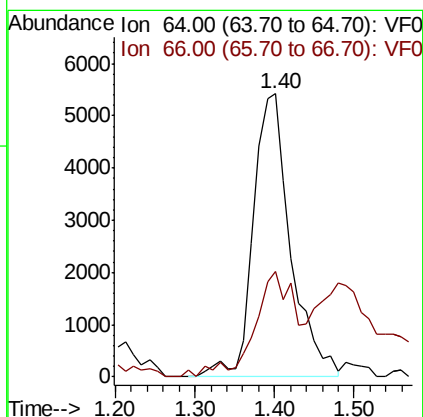
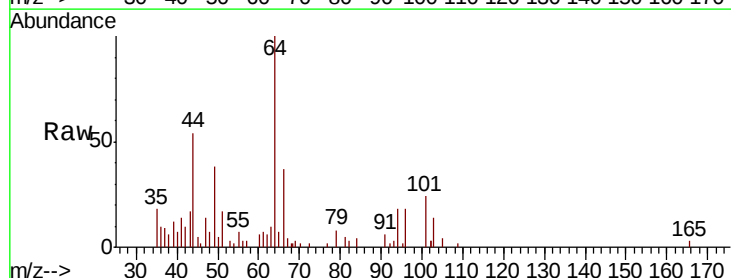
Acq: 6 Dec 2018 13:45

Tgt Ion: 64 Resp: 17527

Ion Ratio Lower Upper

64 100

66 37.1 28.1 42.1



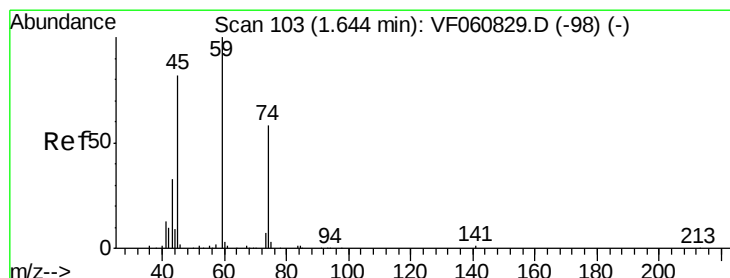
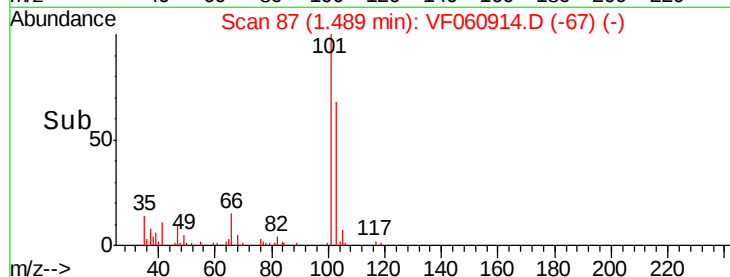
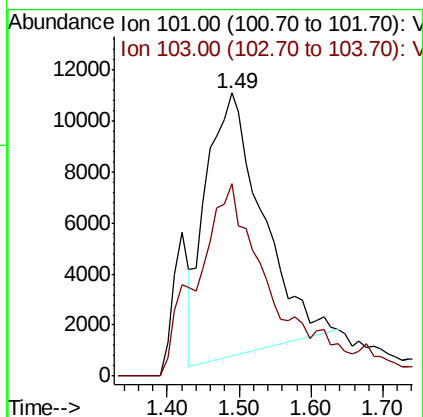
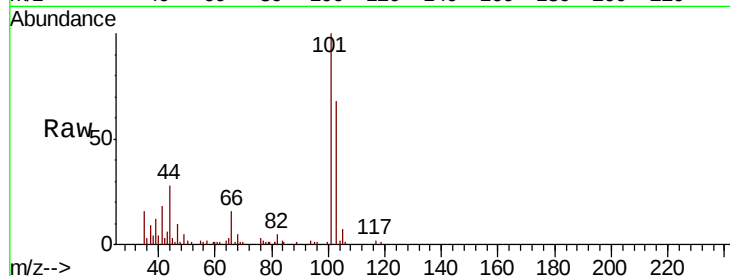


#7

Trichlorofluoromethane
Concen: 15.717 ug/l
RT: 1.49 min Scan# 87
Delta R.T. -0.01 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Instrument :
MSVOA_F
ClientSampled :

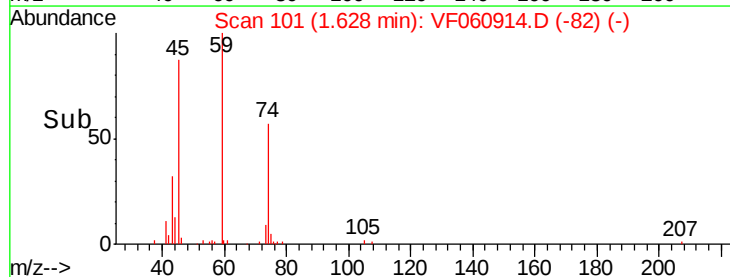
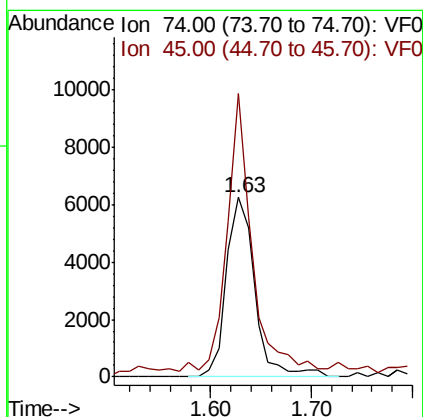
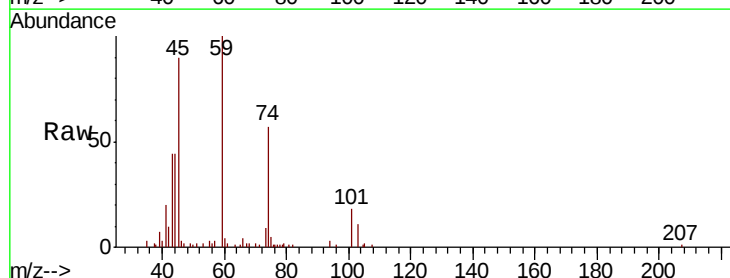
Tot Ion:101 Resp: 56254
Ion Ratio Lower Upper
101 100
103 68.2 55.4 83.0

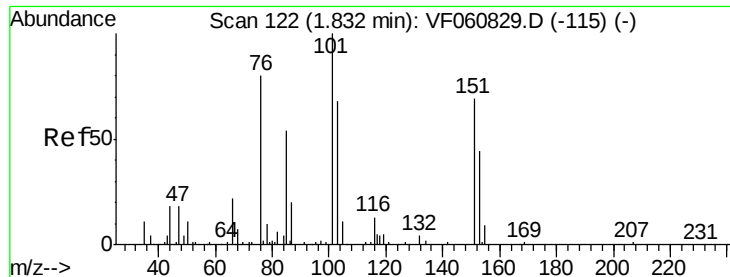


#8

Diethyl Ether
Concen: 23.731 ug/l
RT: 1.63 min Scan# 101
Delta R.T. -0.02 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion: 74 Resp: 12214
Ion Ratio Lower Upper
74 100
45 157.8 71.0 212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.304 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.01 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

ClientSampleId :

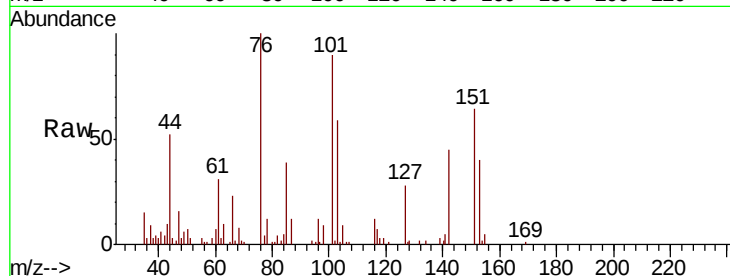
Tot Ion:101 Resp: 42167

Ion Ratio Lower Upper

101 100

85 43.3 42.8 64.2

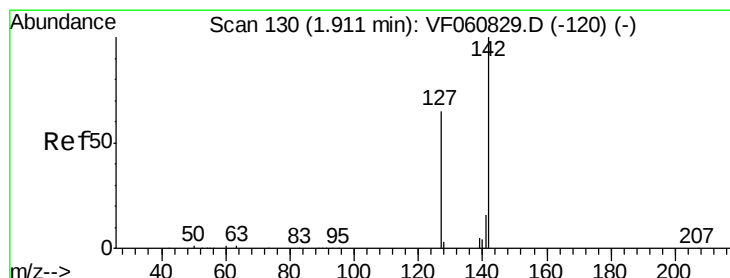
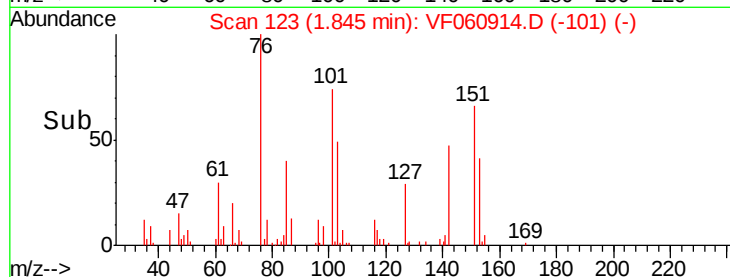
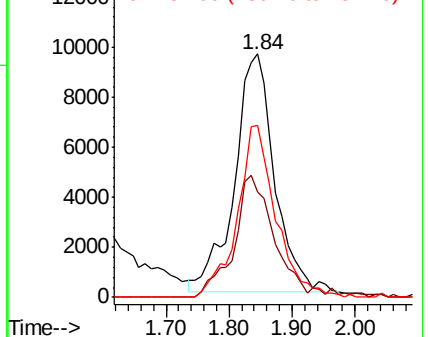
151 70.8 54.4 81.6



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: 19.422 ug/l

RT: 1.91 min Scan# 130

Delta R.T. 0.00 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

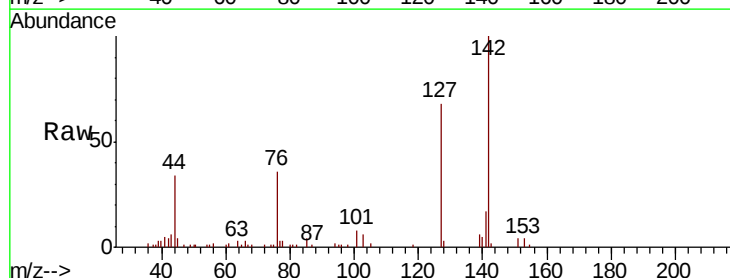
Tgt Ion:142 Resp: 53417

Ion Ratio Lower Upper

142 100

127 67.7 51.9 77.9

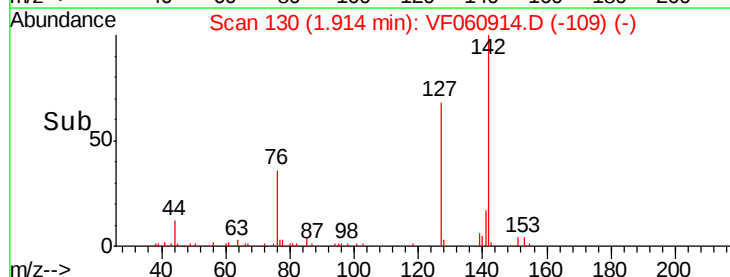
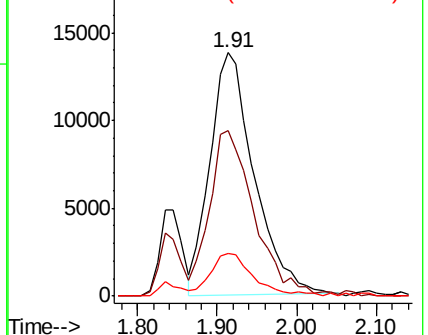
141 17.5 12.7 19.1

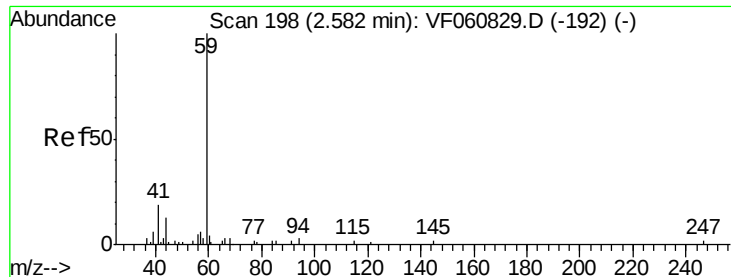


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

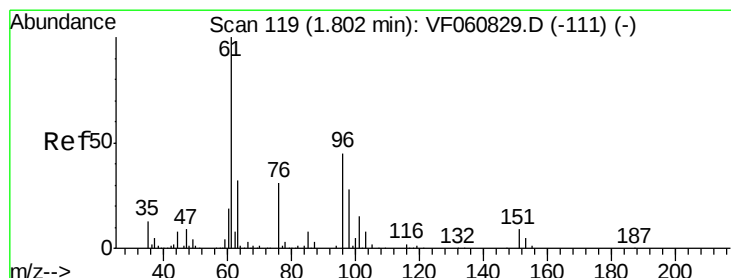
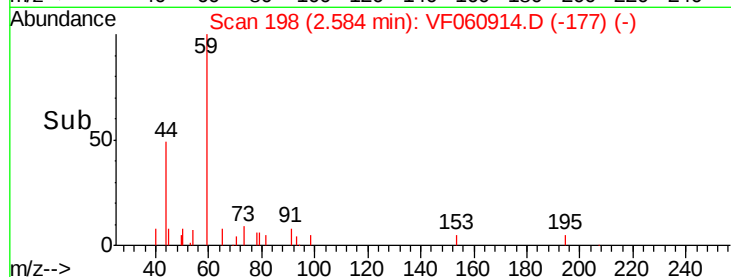
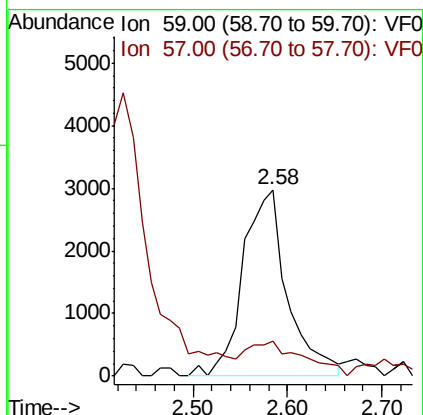
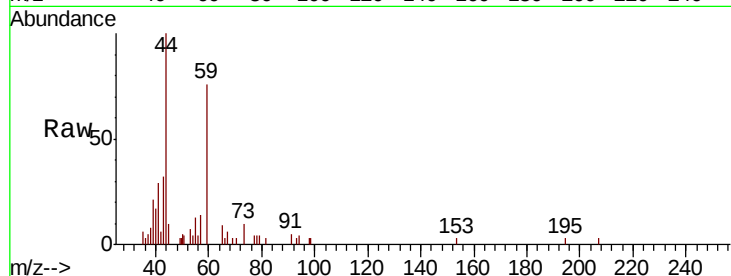




#11
Tert butyl alcohol
Concen: 110.216 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.00 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

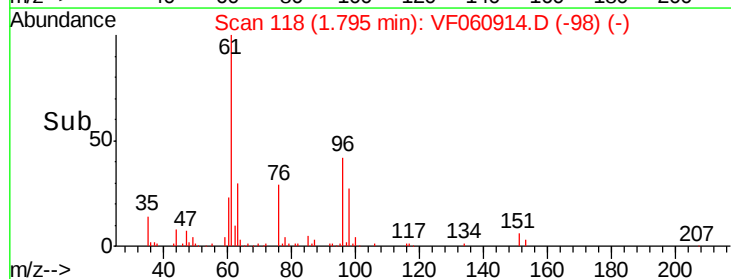
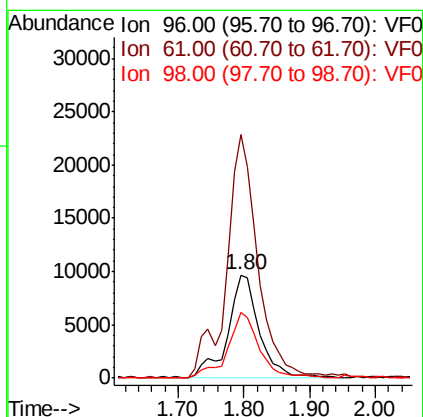
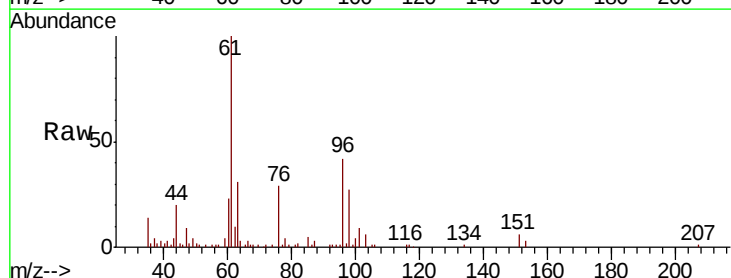
Instrument :
MSVOA_F
ClientSampled :

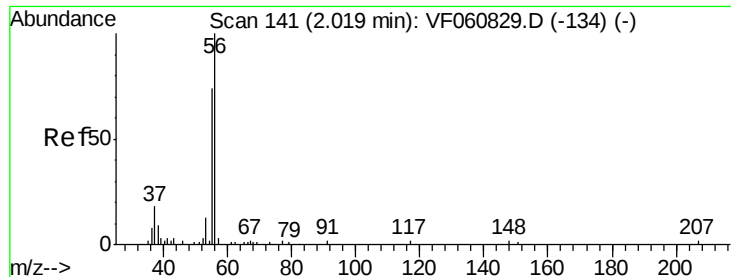
Tot Ion: 59 Resp: 9783
Ion Ratio Lower Upper
59 100
57 19.1 12.7 19.1#



#12
1,1-Dichloroethene
Concen: 22.389 ug/l
RT: 1.80 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion: 96 Resp: 32585
Ion Ratio Lower Upper
96 100
61 235.7 177.3 265.9
98 63.1 49.6 74.4





#13

Acrolein

Concen: 101.345 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.02 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

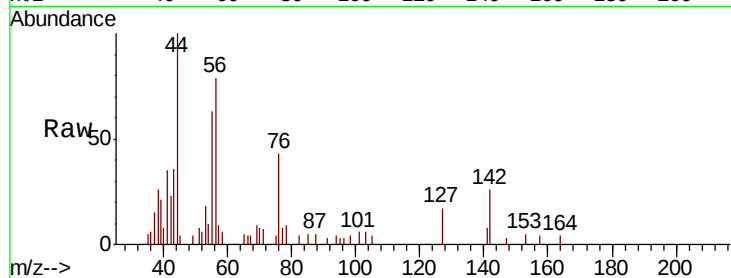
ClientSampleId :

Tot Ion: 56 Resp: 8523

Ion Ratio Lower Upper

56 100

55 80.3 61.2 91.8



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2500

2000

1500

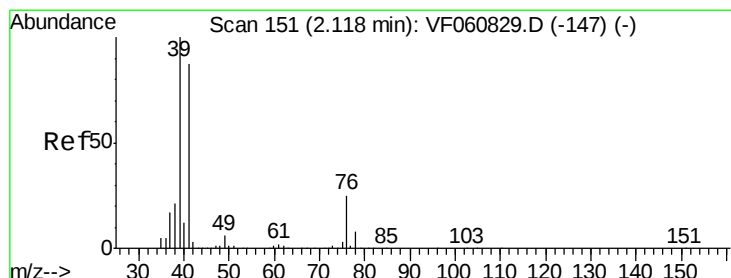
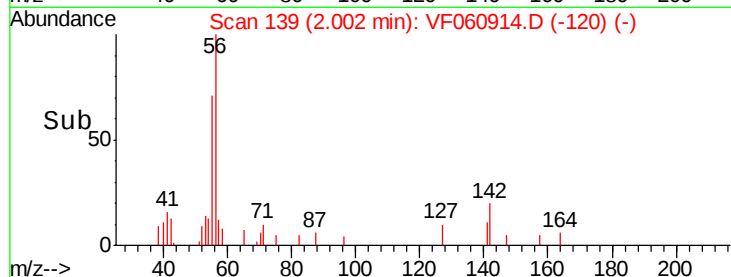
1000

500

0

1.90 2.00 2.10 2.20

Time-->



#14

Allyl chloride

Concen: 19.143 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.03 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

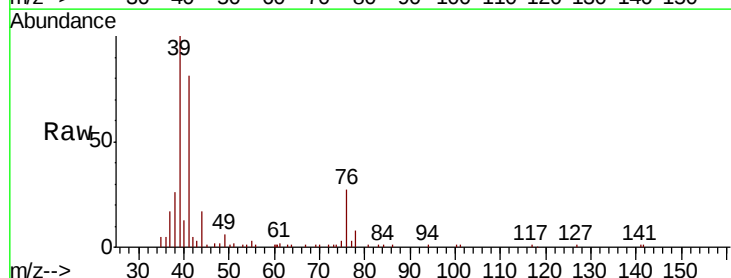
Tgt Ion: 41 Resp: 34726

Ion Ratio Lower Upper

41 100

39 122.8 91.7 137.5

76 33.0 23.5 35.3



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

25000

20000

15000

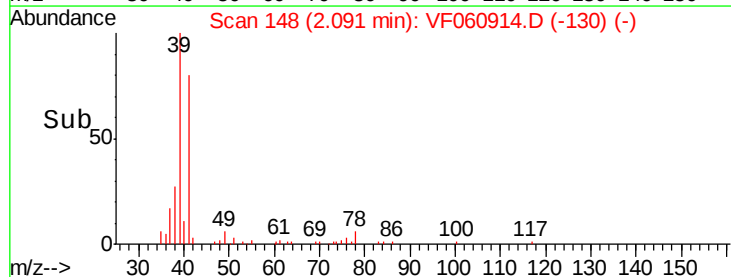
10000

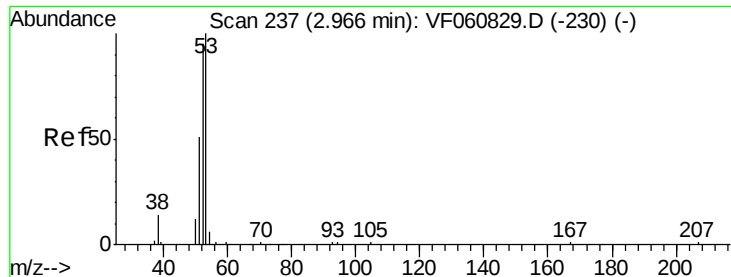
5000

0

2.00 2.05 2.10 2.15

Time-->





#15

Acrylonitrile

Concen: 114.328 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.03 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :
MSVOA_F
ClientSampleId :

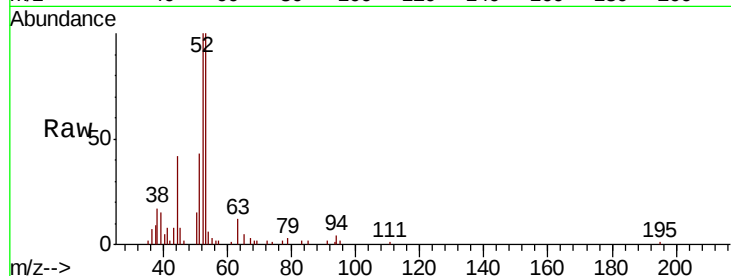
Tot Ion: 53 Resp: 22751

Ion Ratio Lower Upper

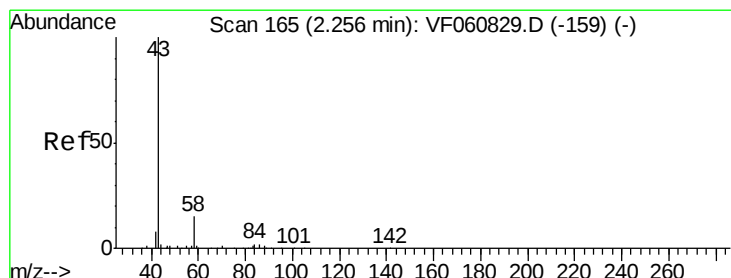
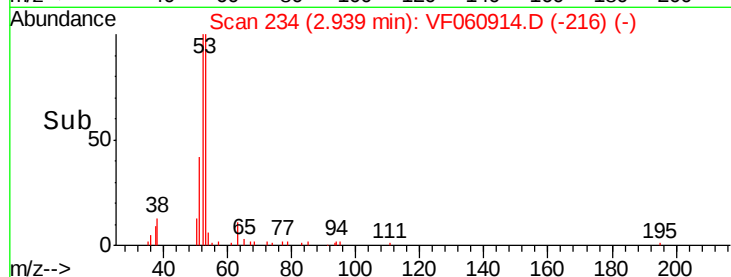
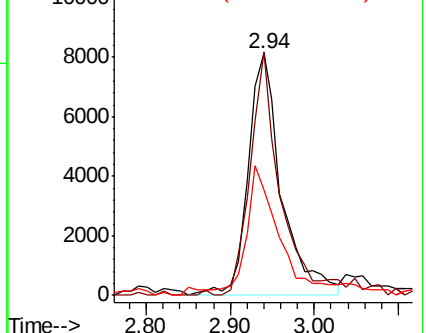
53 100

52 100.5 76.5 114.7

51 43.3 40.7 61.1



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: 118.573 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF060914.D

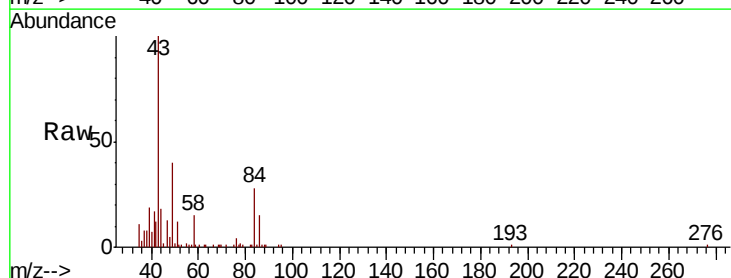
Acq: 6 Dec 2018 13:45

Tgt Ion: 43 Resp: 47346

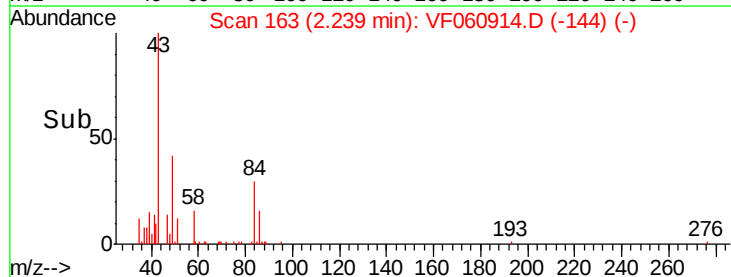
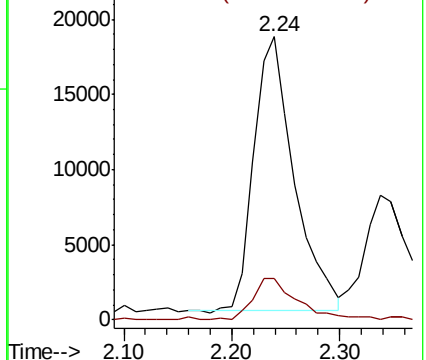
Ion Ratio Lower Upper

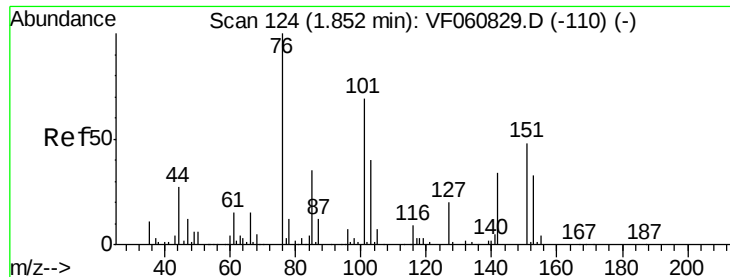
43 100

58 14.8 11.4 17.2



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

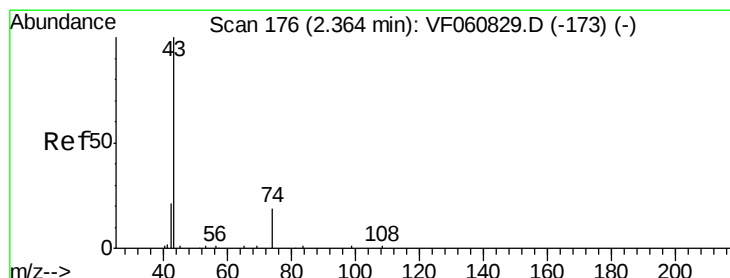
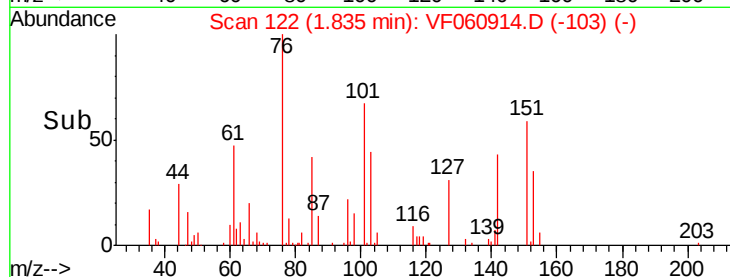
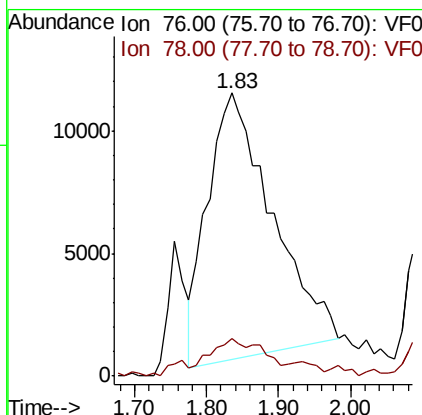
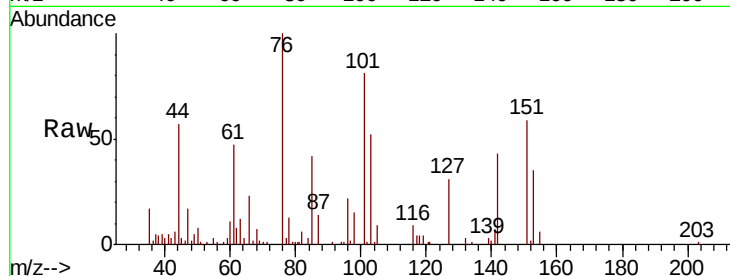




#17
Carbon Disulfide
Concen: 17.326 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.02 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

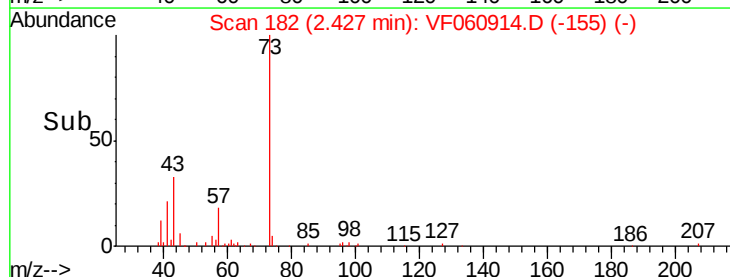
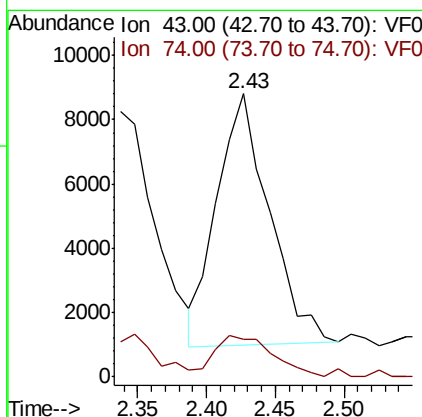
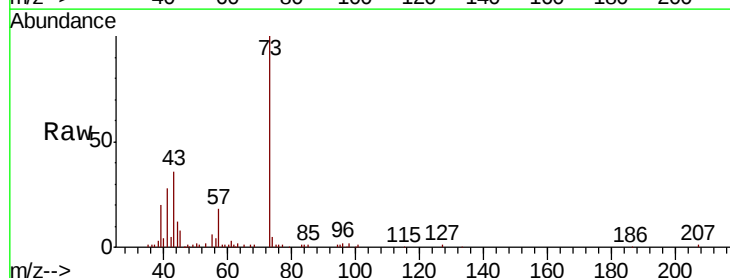
Instrument :
MSVOA_F
ClientSampleId :

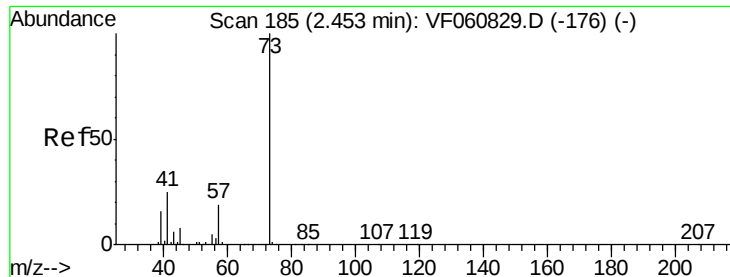
Tot Ion: 76 Resp: 67614
Ion Ratio Lower Upper
76 100
78 13.2 10.2 15.2



#18
Methyl Acetate
Concen: 30.247 ug/l
RT: 2.43 min Scan# 182
Delta R.T. 0.06 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion: 43 Resp: 20699
Ion Ratio Lower Upper
43 100
74 13.5 13.3 19.9

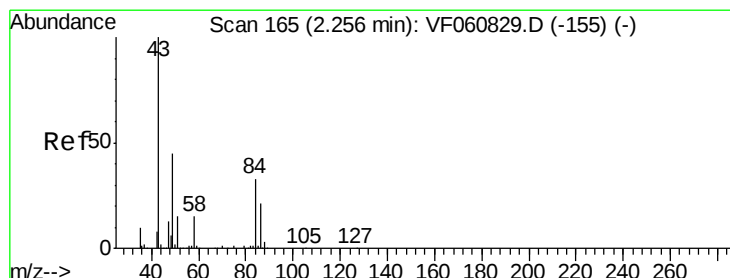
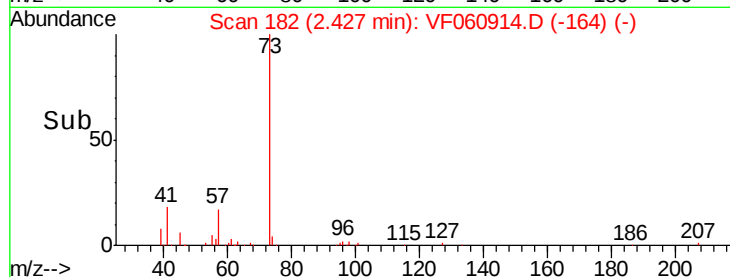
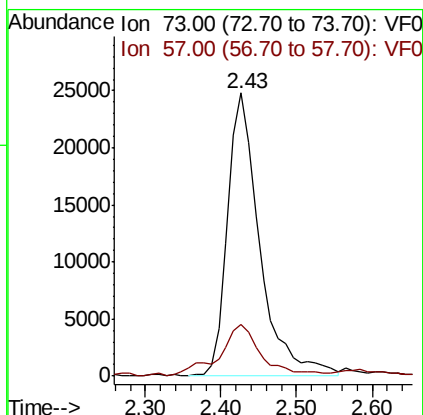
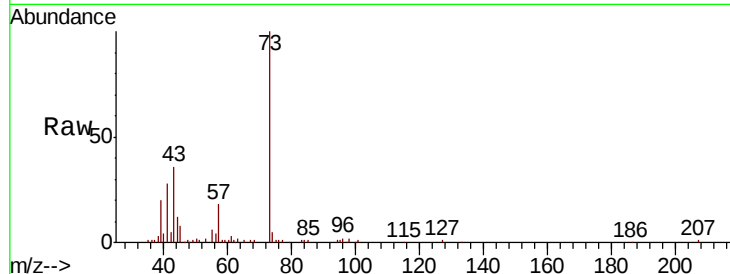




#19
Methyl tert-butyl Ether
Concen: 22.340 ug/l
RT: 2.43 min Scan# 182
Delta R.T. -0.03 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

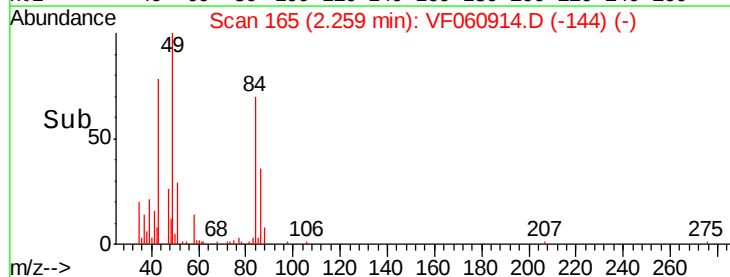
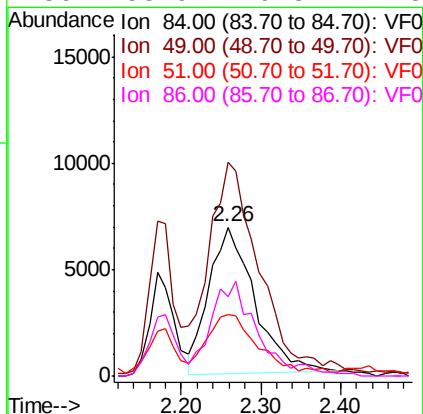
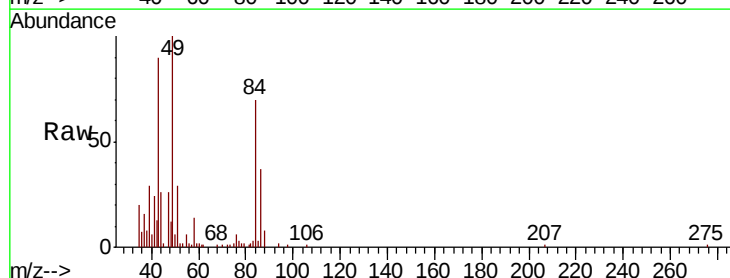
Instrument :
MSVOA_F
ClientSampled :

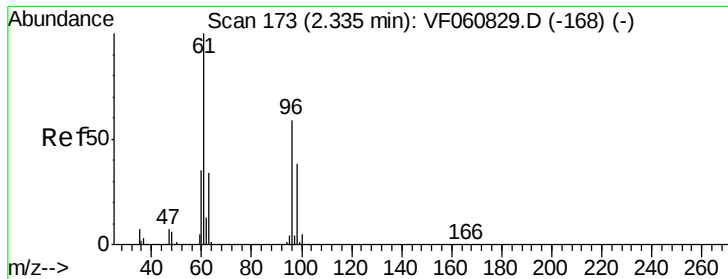
Tot Ion: 73 Resp: 73230
Ion Ratio Lower Upper
73 100
57 18.2 15.3 22.9



#20
Methylene Chloride
Concen: 18.823 ug/l
RT: 2.26 min Scan# 165
Delta R.T. 0.00 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion: 84 Resp: 27573
Ion Ratio Lower Upper
84 100
49 143.8 111.3 166.9
51 41.6 38.0 57.0
86 53.9 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 17.809 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :
MSVOA_F
ClientSampleId :

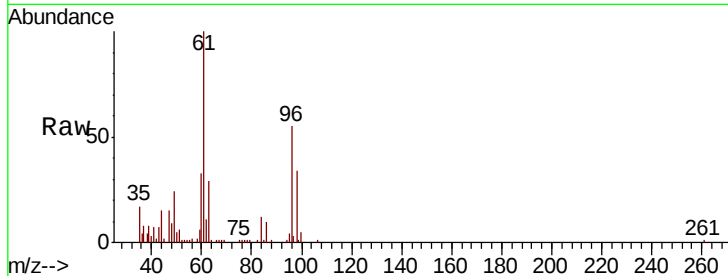
Tot Ion: 96 Resp: 24989

Ion Ratio Lower Upper

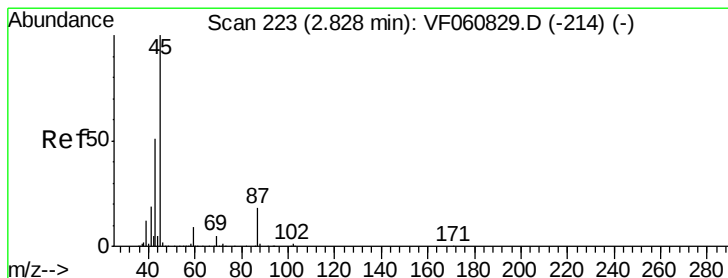
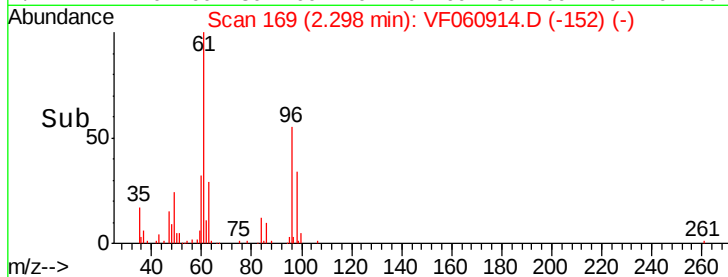
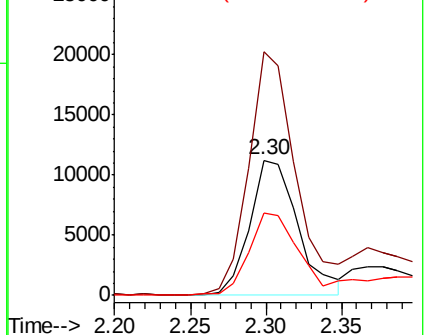
96 100

61 180.3 134.5 201.7

98 61.0 51.6 77.4



Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 22.358 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Tgt Ion: 45 Resp: 110399

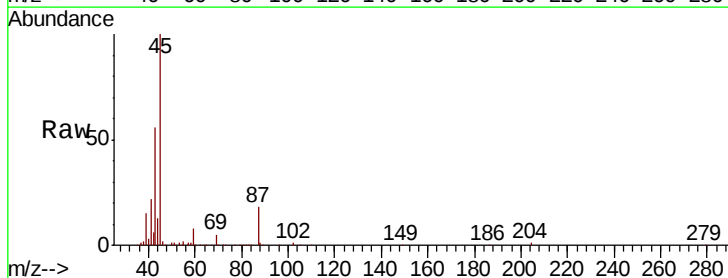
Ion Ratio Lower Upper

45 100

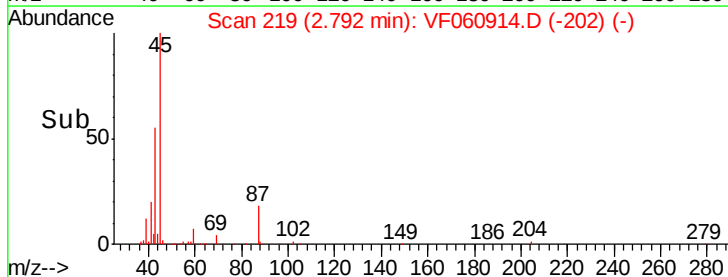
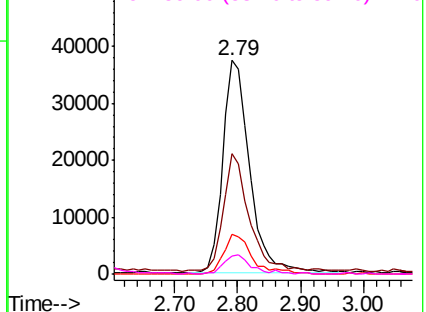
43 56.4 41.0 61.6

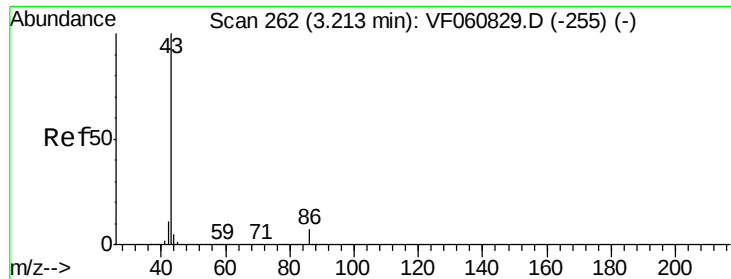
87 18.3 14.6 22.0

59 8.3 7.5 11.3



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

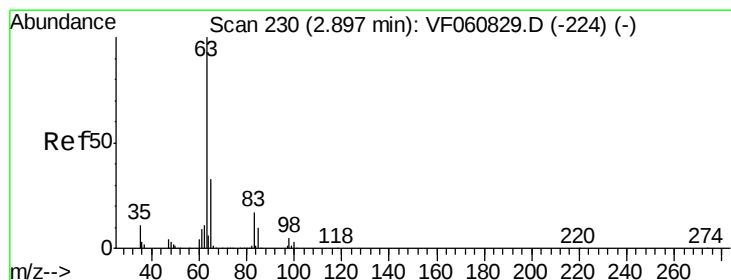
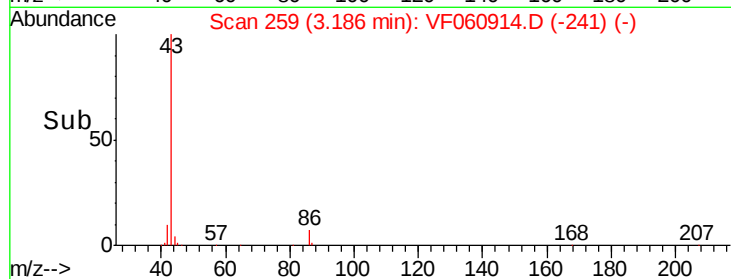
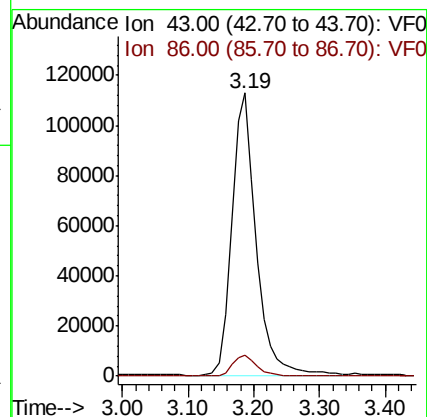
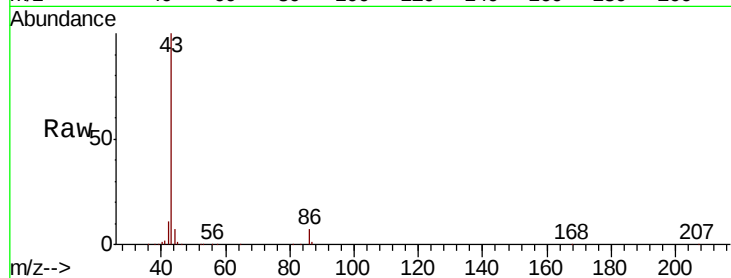




#23
 Vinyl Acetate
 Concen: 128.243 ug/l
 RT: 3.19 min Scan# 259
 Delta R.T. -0.03 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

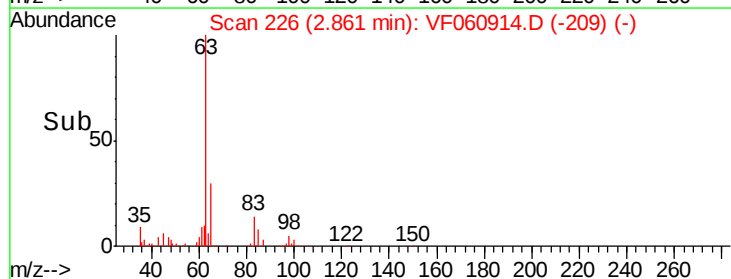
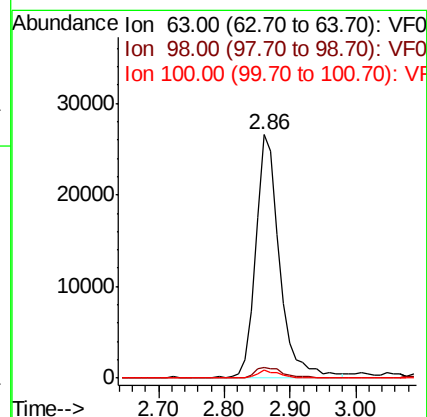
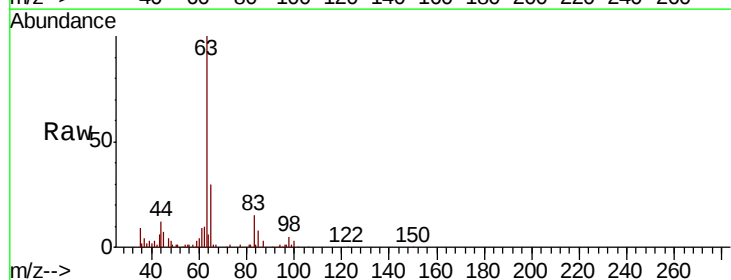
Instrument :
 MSVOA_F
 ClientSampleId :

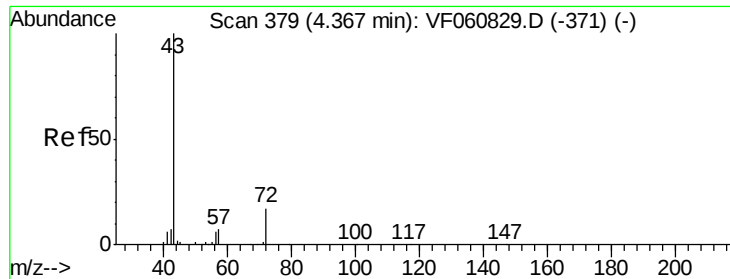
Tot Ion: 43 Resp: 289459
 Ion Ratio Lower Upper
 43 100
 86 7.2 5.4 8.0



#24
 1,1-Dichloroethane
 Concen: 23.097 ug/l
 RT: 2.86 min Scan# 226
 Delta R.T. -0.04 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

Tgt Ion: 63 Resp: 67854
 Ion Ratio Lower Upper
 63 100
 98 4.6 2.7 8.1
 100 3.2 1.5 4.5





#25

2-Butanone

Concen: 121.034 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

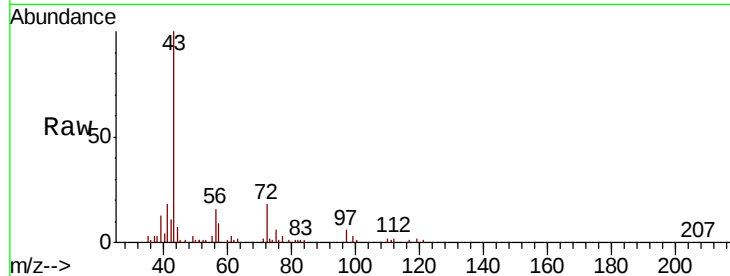
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 83592

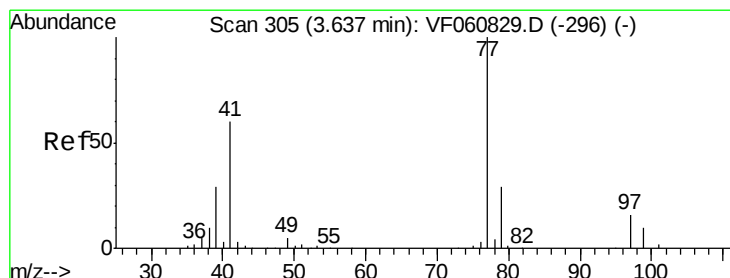
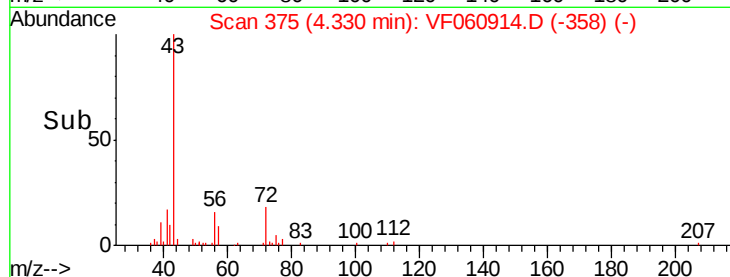
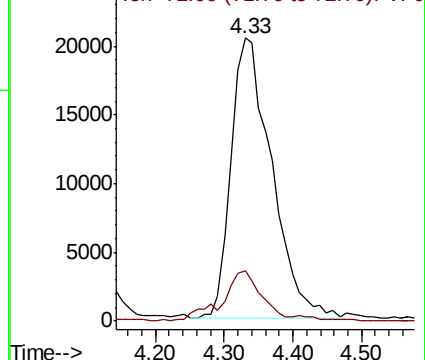
Ion Ratio Lower Upper

43 100

72 17.8 15.4 23.2



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



#26

2,2-Dichloropropane

Concen: 21.560 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.05 min

Lab File: VF060914.D

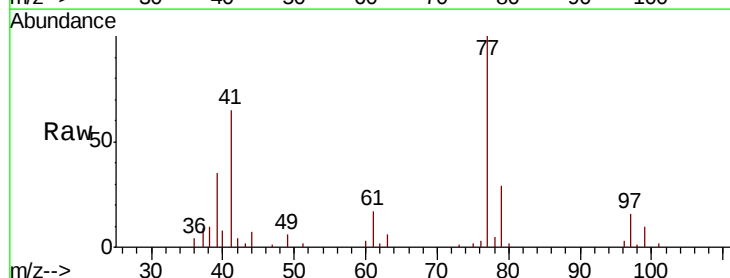
Acq: 6 Dec 2018 13:45

Tgt Ion: 77 Resp: 41063

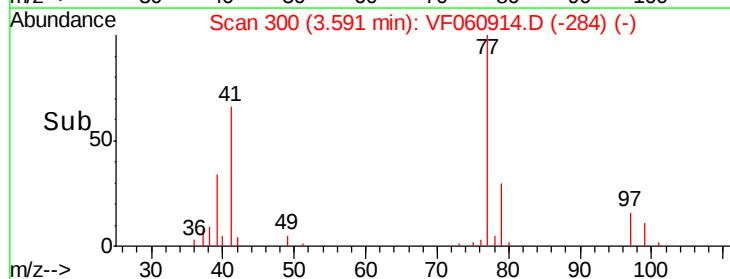
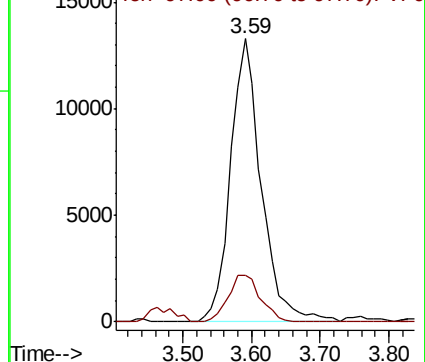
Ion Ratio Lower Upper

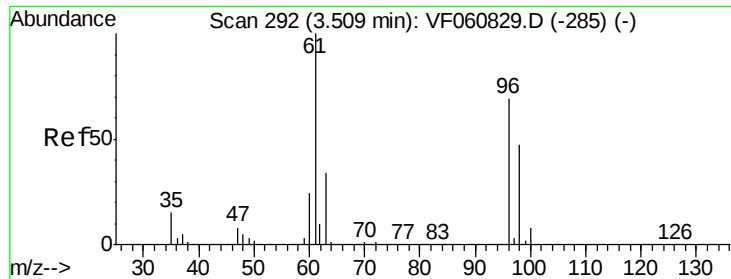
77 100

97 16.3 8.6 25.8



Abundance Ion 77.00 (76.70 to 77.70): VF0
Ion 97.00 (96.70 to 97.70): VF0



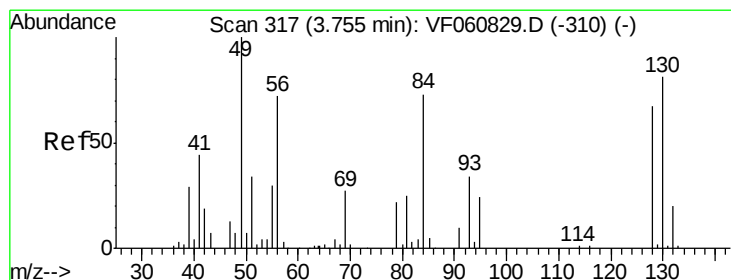
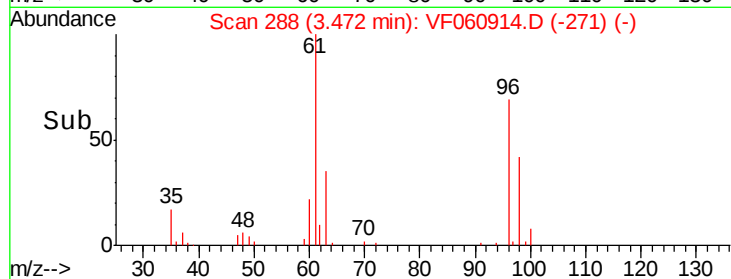
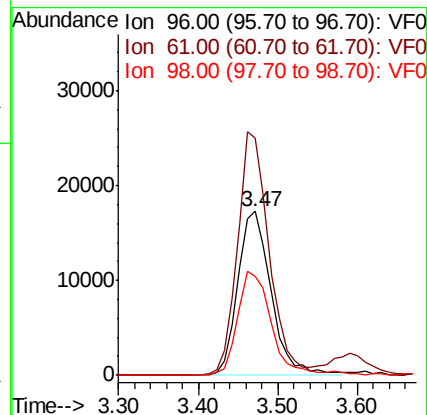
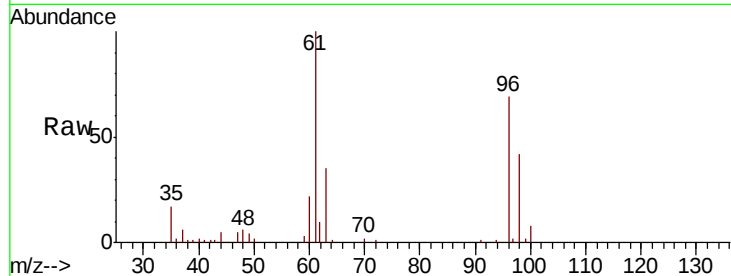


#27

cis-1,2-Dichloroethene
 Concen: 22.067 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. -0.04 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

Instrument :
 MSVOA_F
 ClientSampleId :

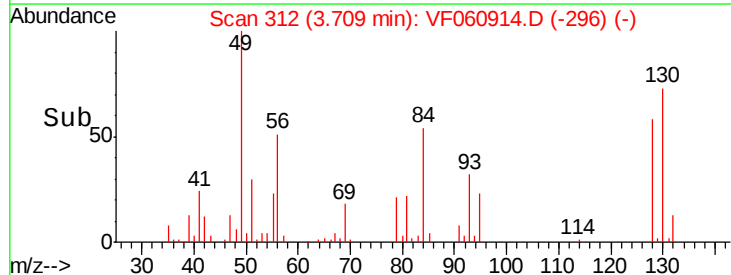
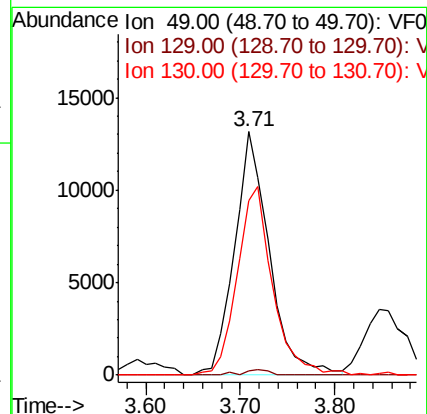
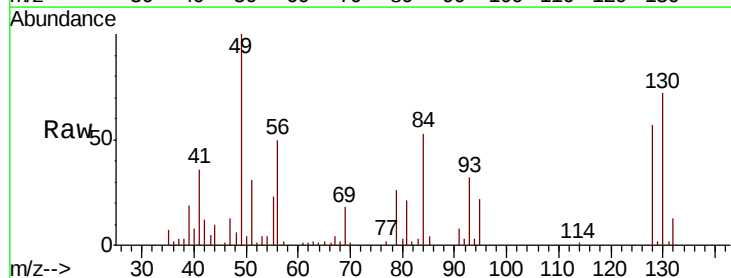
Tot Ion	Ratio	Lower	Upper
96	100		
61	144.4	0.0	290.6
98	60.5	0.0	137.8

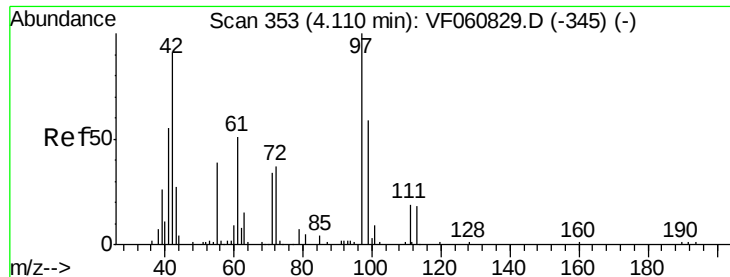


#28

Bromochloromethane
 Concen: 23.864 ug/l
 RT: 3.71 min Scan# 312
 Delta R.T. -0.05 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.4
130	71.9	64.2	96.4





#29

Tetrahydrofuran

Concen: 112.005 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

ClientSampleId :

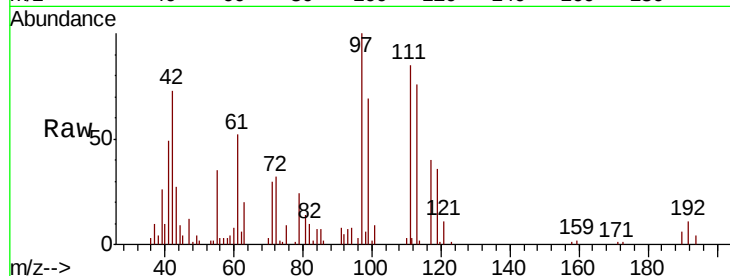
Tot Ion: 42 Resp: 32790

Ion Ratio Lower Upper

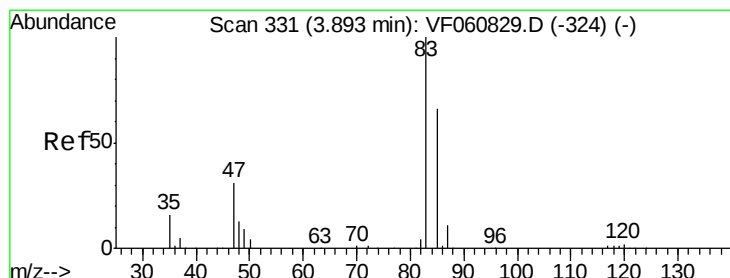
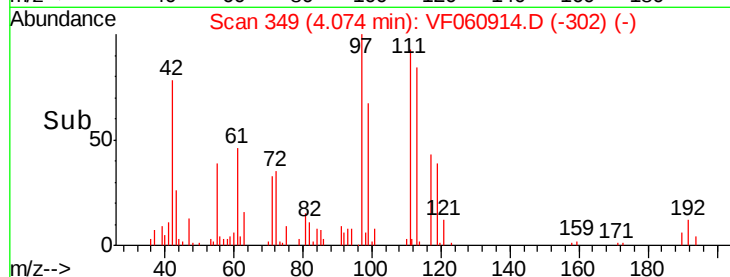
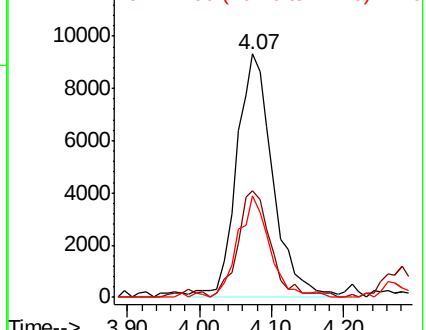
42 100

72 39.8 31.9 47.9

71 36.5 28.7 43.1



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 22.730 ug/l

RT: 3.86 min Scan# 327

Delta R.T. -0.04 min

Lab File: VF060914.D

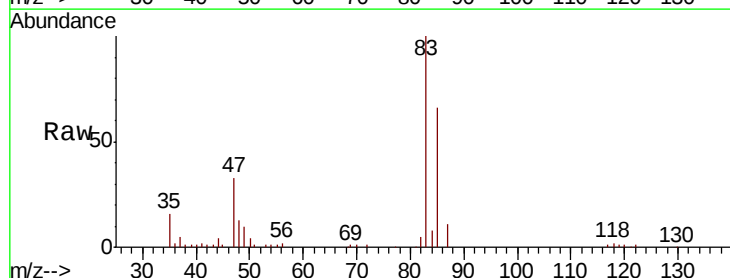
Acq: 6 Dec 2018 13:45

Tgt Ion: 83 Resp: 102774

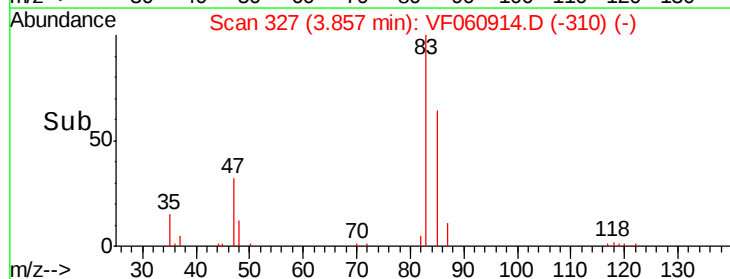
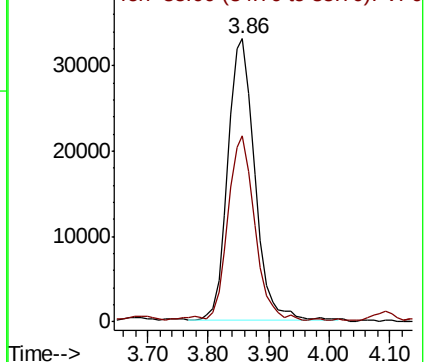
Ion Ratio Lower Upper

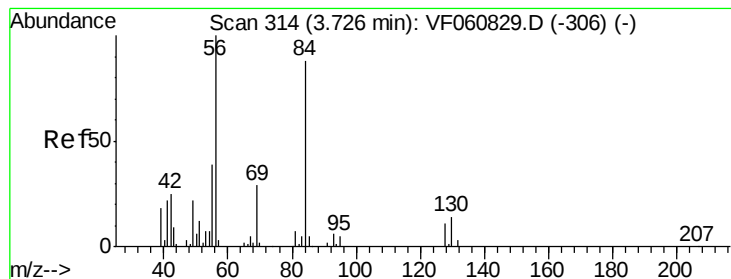
83 100

85 65.6 53.4 80.2



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





#31

Cvclohexane

Concen: 12.251 ug/l

RT: 3.69 min Scan# 310

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :
MSVOA_F
ClientSampleId :

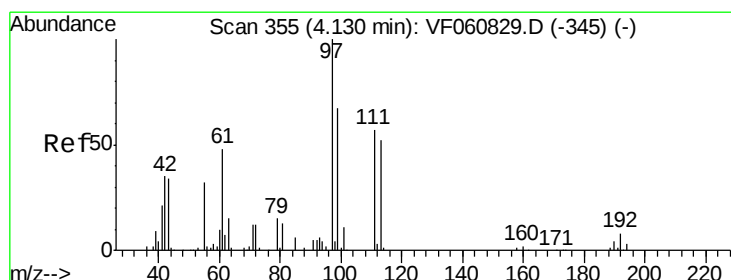
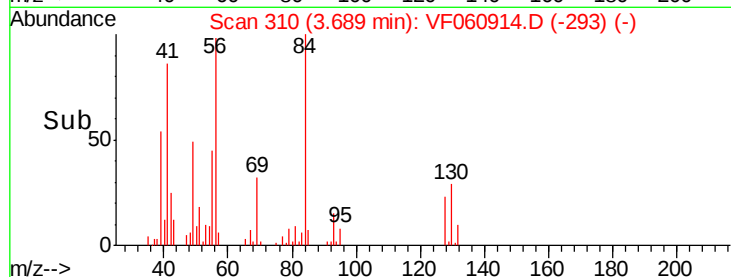
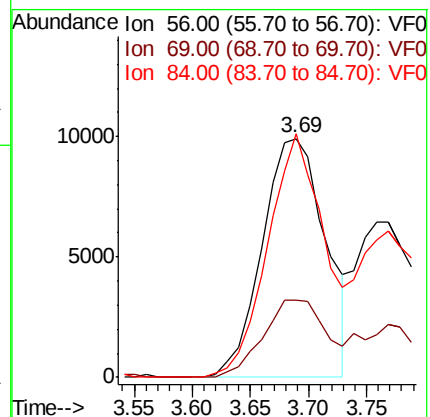
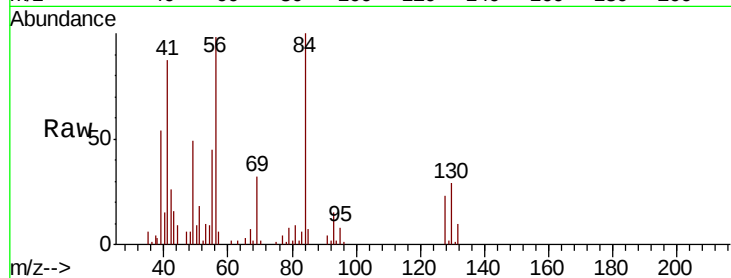
Tot Ion: 56 Resp: 37351

Ion Ratio Lower Upper

56 100

69 32.2 23.0 34.4

84 102.0 70.4 105.6



#32

1,1,1-Trichloroethane

Concen: 18.295 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.05 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

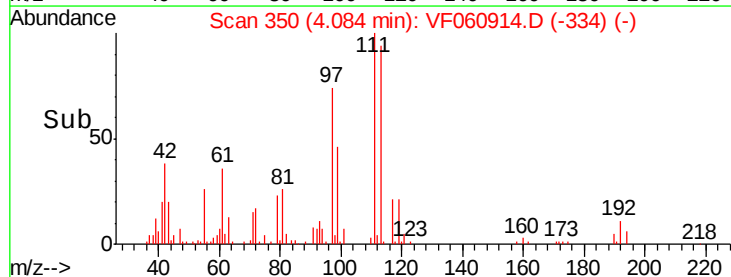
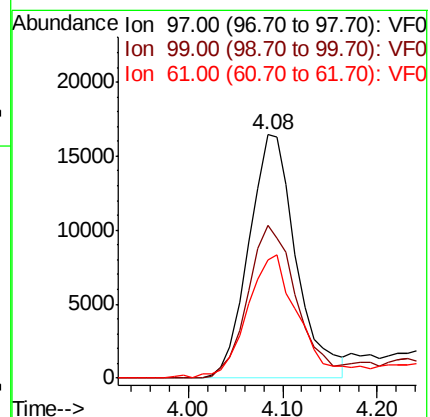
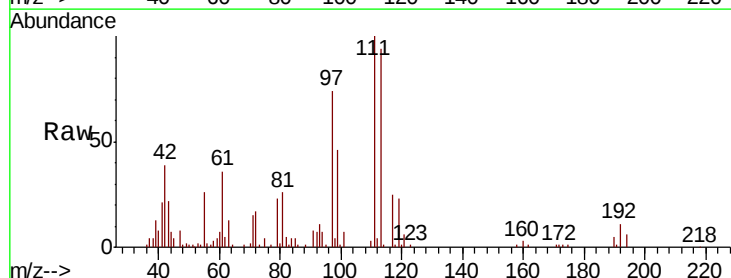
Tgt Ion: 97 Resp: 57369

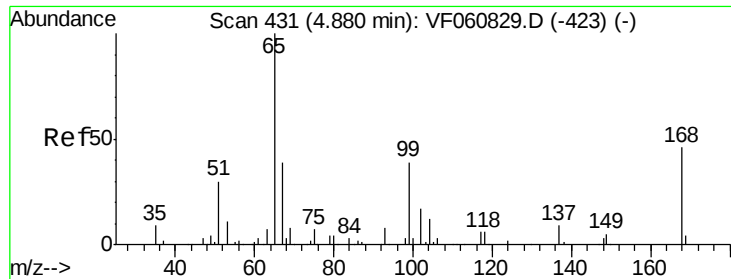
Ion Ratio Lower Upper

97 100

99 62.7 53.5 80.3

61 48.7 38.6 58.0

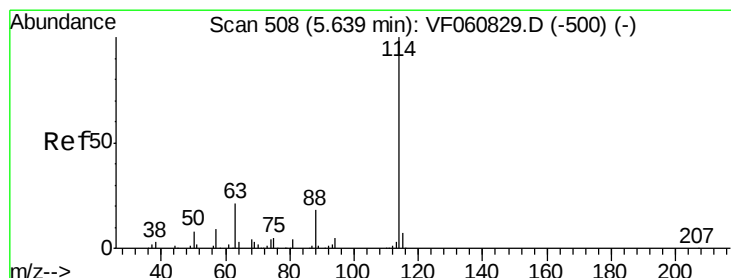
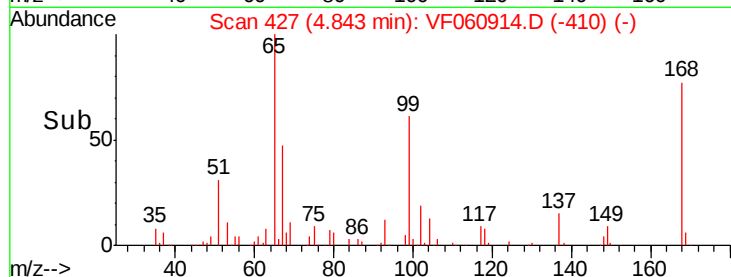
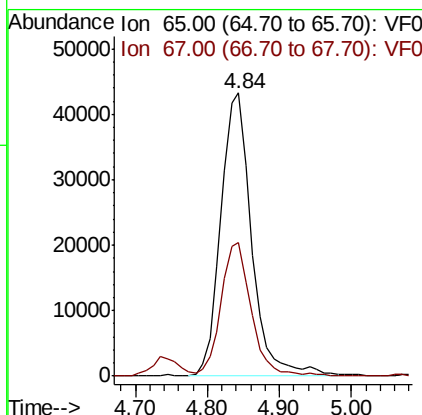
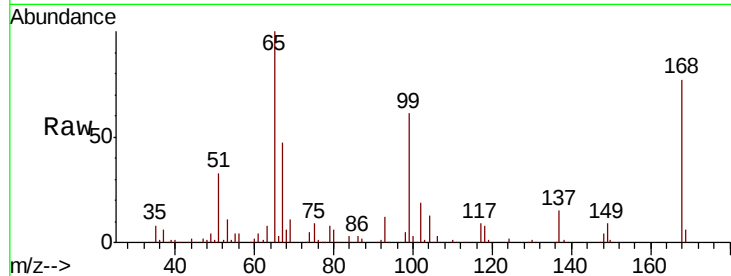




#33
 1,2-Dichloroethane-d4
 Concen: 59.406 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.04 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

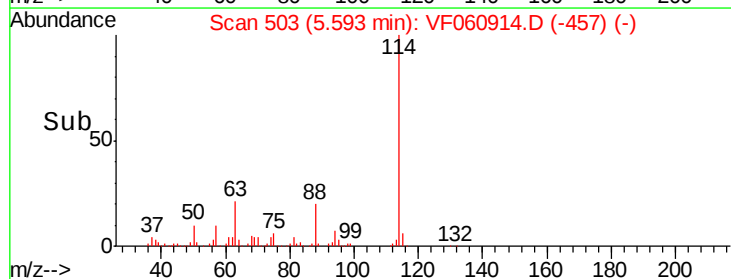
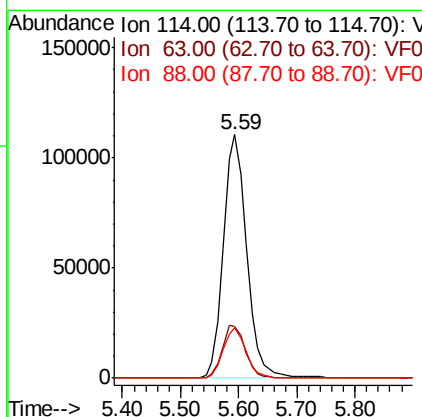
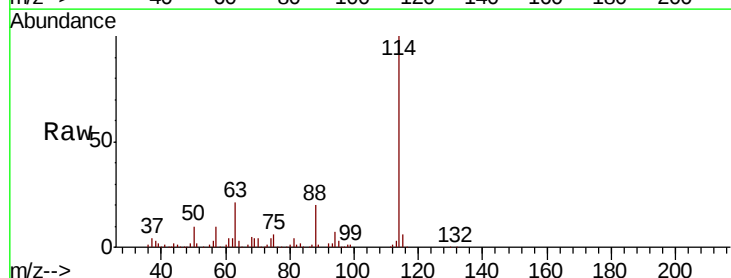
Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion: 65 Resp: 128634
 Ion Ratio Lower Upper
 65 100
 67 47.3 0.0 96.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.05 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

Tgt Ion: 114 Resp: 308192
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 41.6
 88 20.5 0.0 36.6

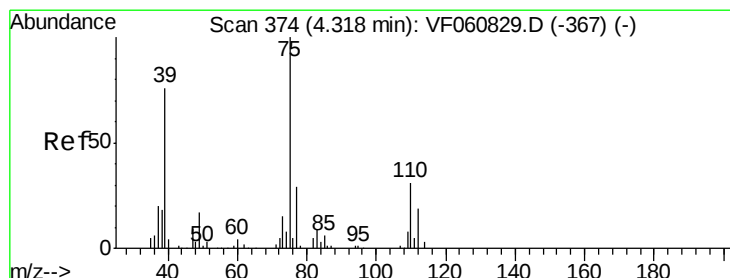
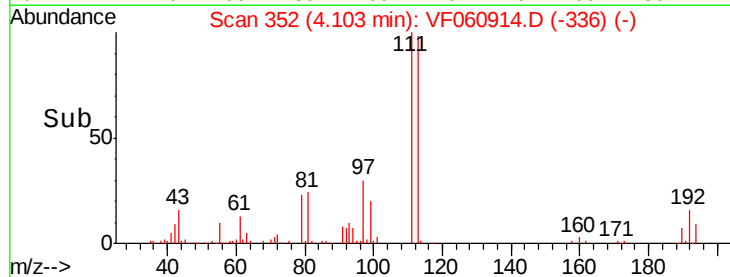
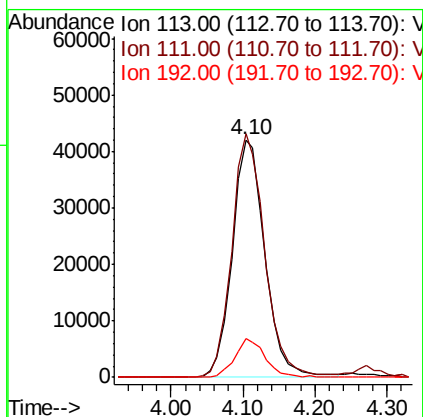
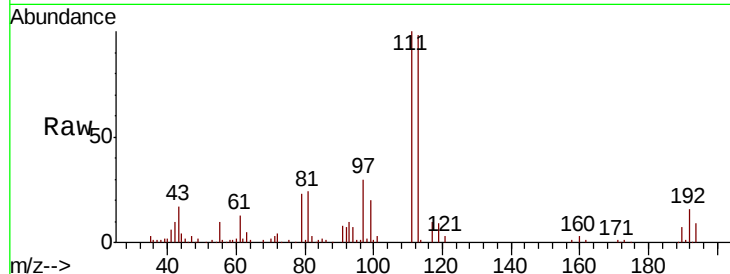




#35
 Dibromofluoromethane
 Concen: 54.399 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.05 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

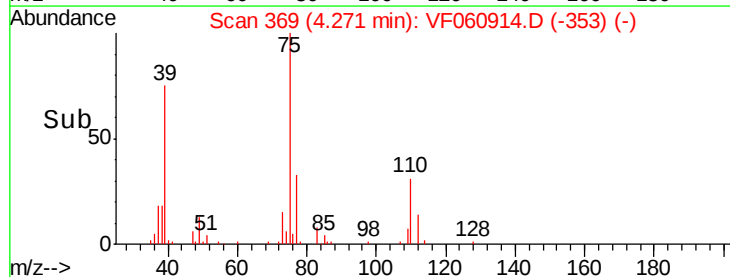
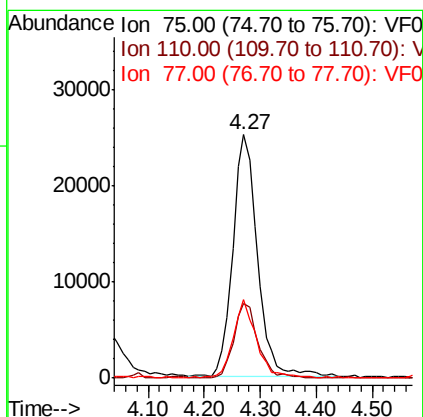
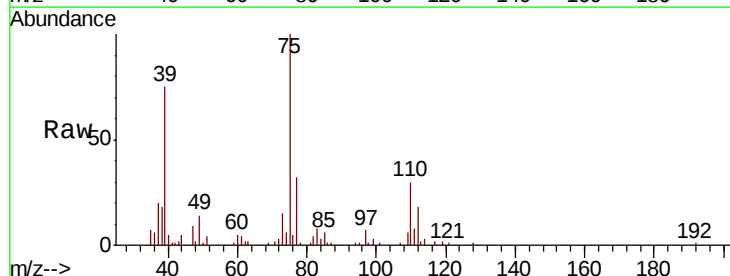
Instrument :
 MSVOA_F
 ClientSampleId :

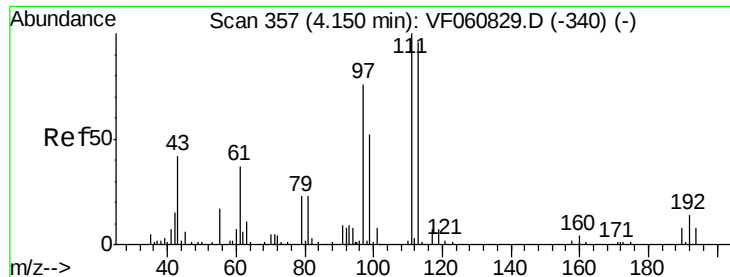
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.0	124.6
192	16.1	12.3	18.5



#36
 1,1-Dichloropropene
 Concen: 22.614 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. -0.05 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.4	15.6	46.8
77	32.2	23.4	35.0

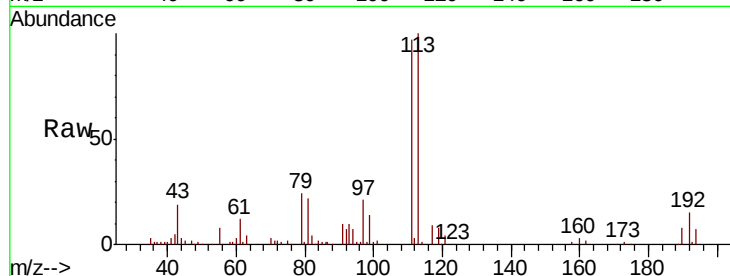




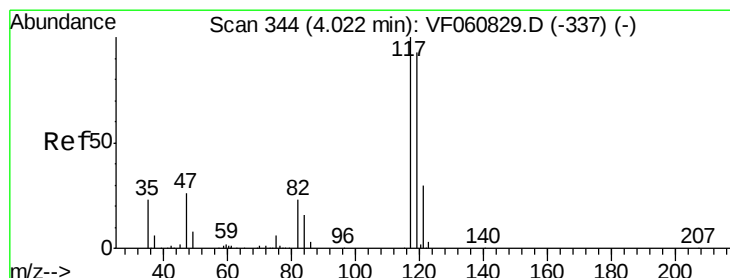
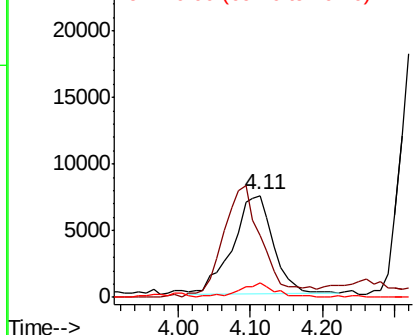
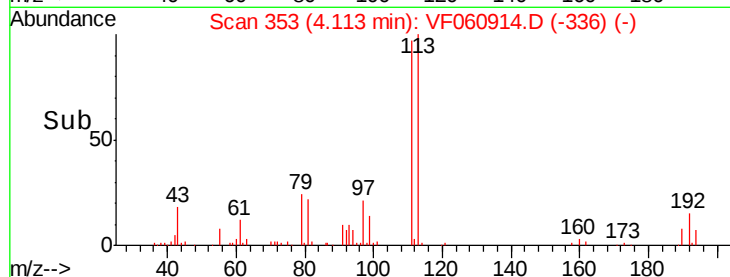
#37
Ethyl Acetate
Concen: 20.686 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.04 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 28735
Ion Ratio Lower Upper
43 100
61 61.2 68.6 103.0#
70 14.4 9.0 13.4#

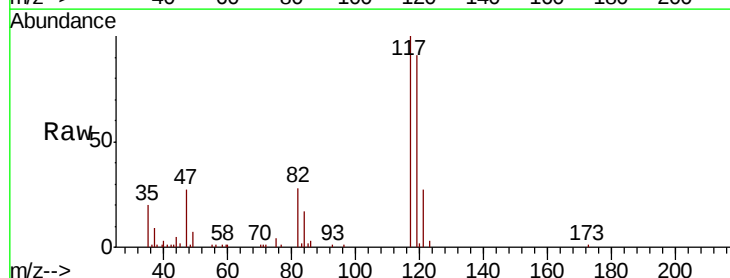


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

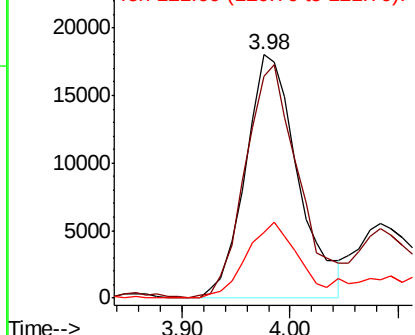
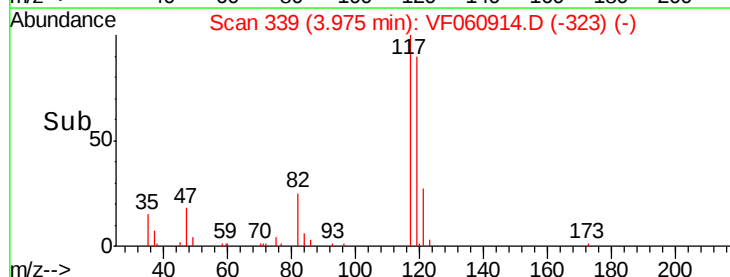


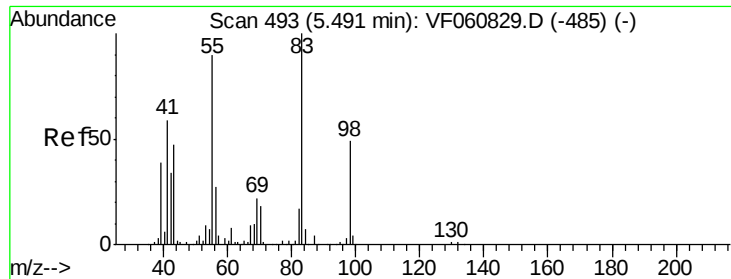
#38
Carbon Tetrachloride
Concen: 20.278 ug/l
RT: 3.98 min Scan# 339
Delta R.T. -0.05 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion: 117 Resp: 61226
Ion Ratio Lower Upper
117 100
119 91.0 74.4 111.6
121 27.2 23.5 35.3



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

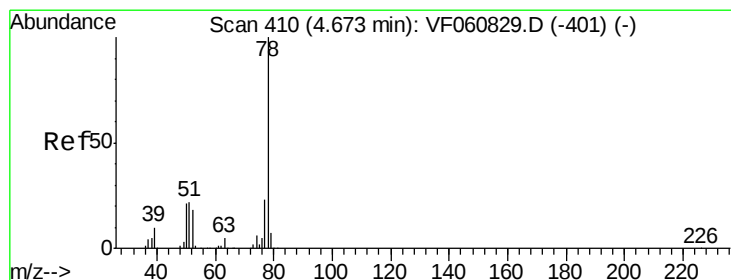
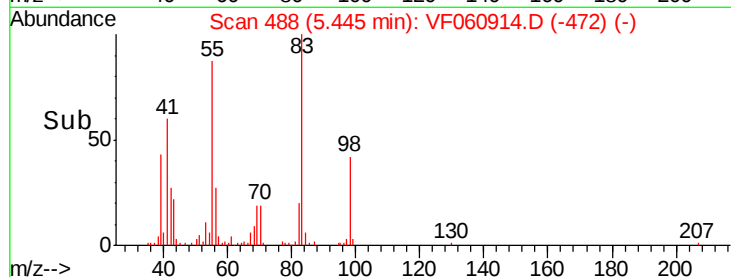
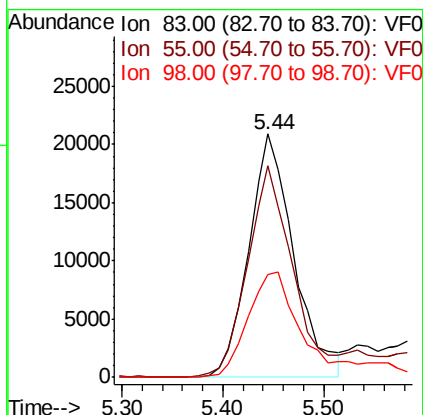
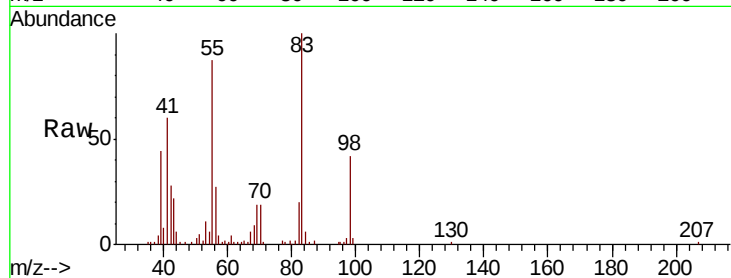




#39
Methvlcvclohexane
Concen: 18.110 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.05 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

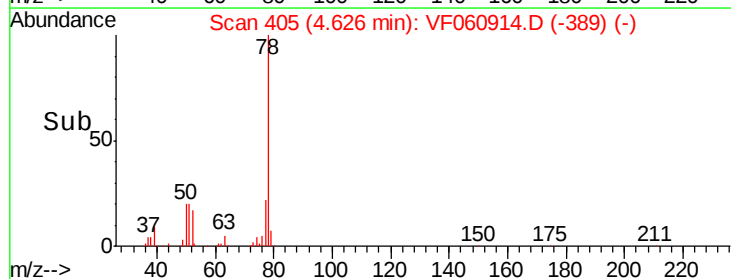
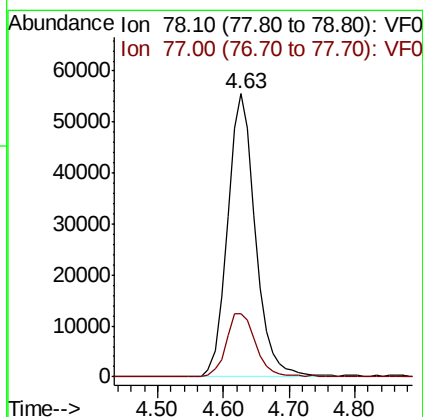
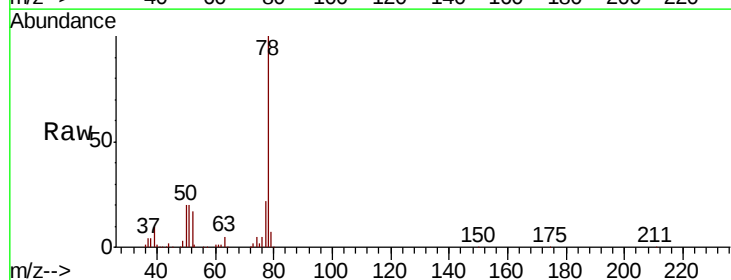
Instrument :
MSVOA_F
ClientSampleId :

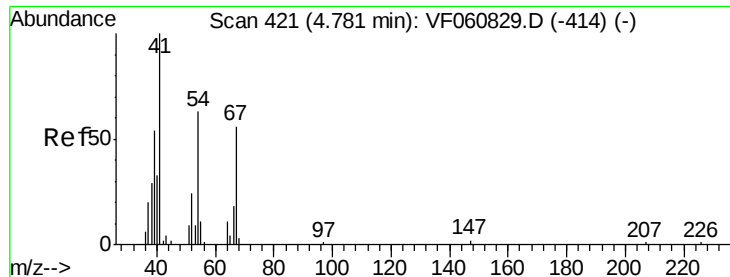
Tot Ion: 83 Resp: 64875
Ion Ratio Lower Upper
83 100
55 87.0 72.1 108.1
98 42.5 39.1 58.7



#40
Benzene
Concen: 21.800 ug/l
RT: 4.63 min Scan# 405
Delta R.T. -0.05 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion: 78 Resp: 164629
Ion Ratio Lower Upper
78 100
77 22.3 18.7 28.1

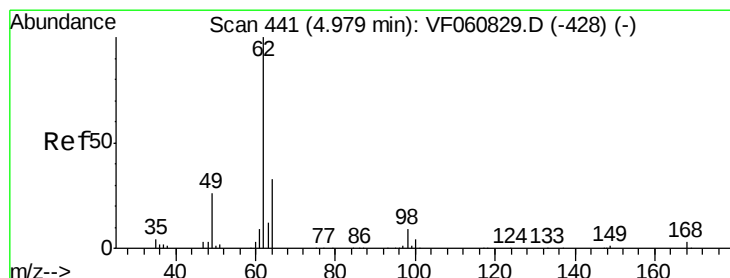
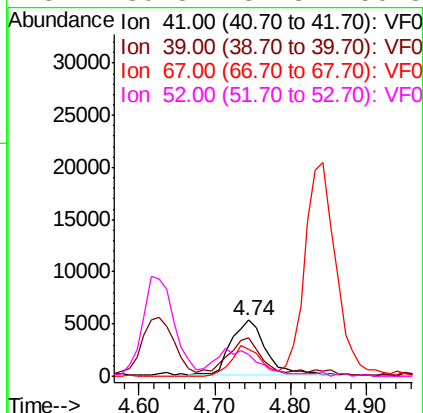
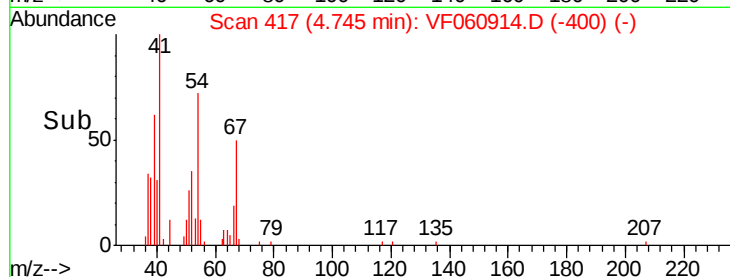
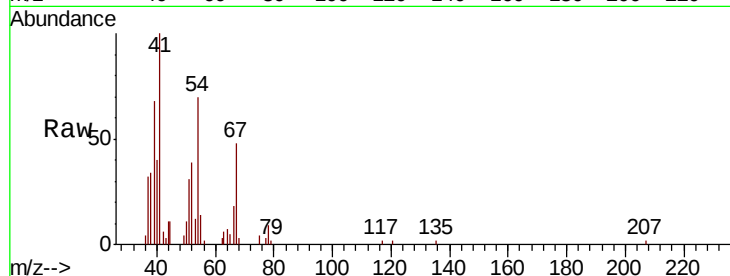




#41
Methacrylonitrile
Concen: 20.923 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.04 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

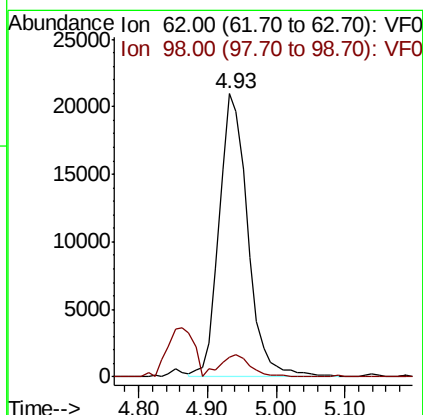
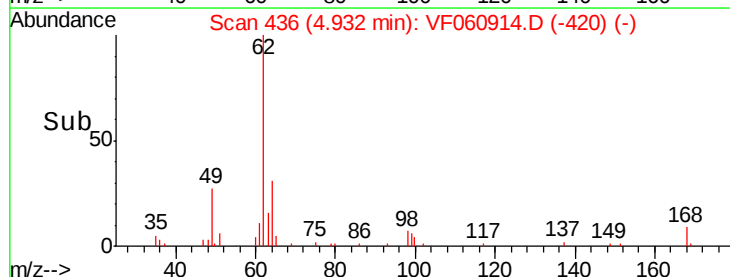
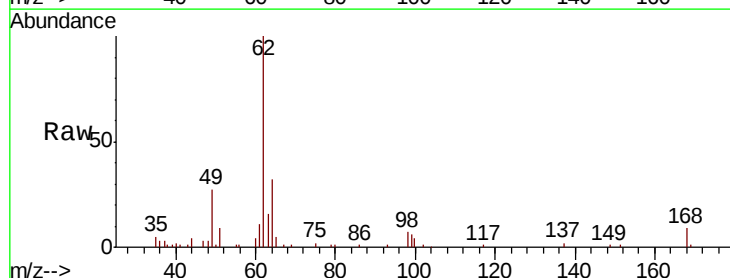
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	41	Resp:	16671
Ion	Ratio	Lower	Upper
41	100		
39	68.2	53.0	79.6
67	47.9	43.8	65.6
52	39.3	37.8	56.8



#42
1,2-Dichloroethane
Concen: 21.974 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.05 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion:	62	Resp:	60584
Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	17.2



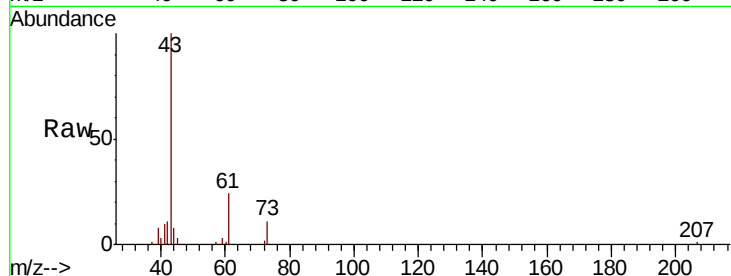


#43

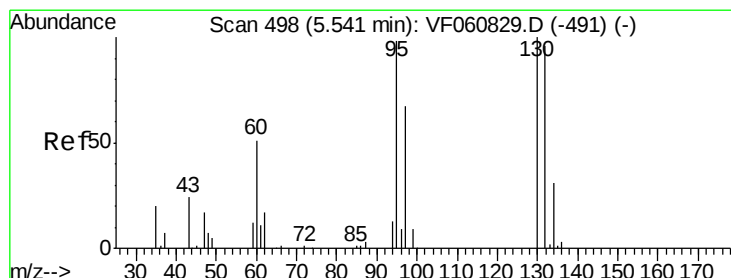
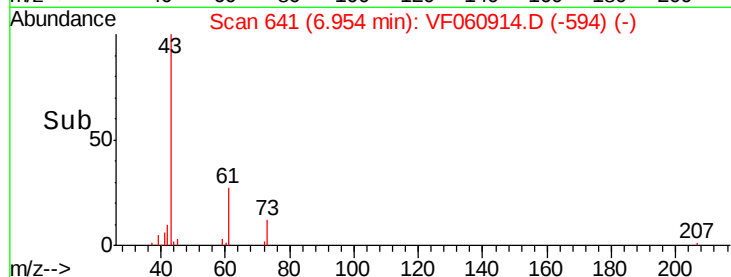
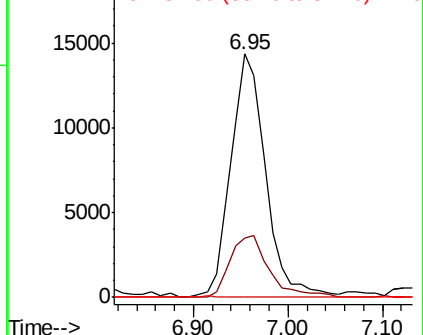
Isopropyl Acetate
 Concen: 19.732 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.04 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 43 Resp: 36641
 Ion Ratio Lower Upper
 43 100
 61 24.3 21.4 32.0
 87 0.0 0.2 0.4#



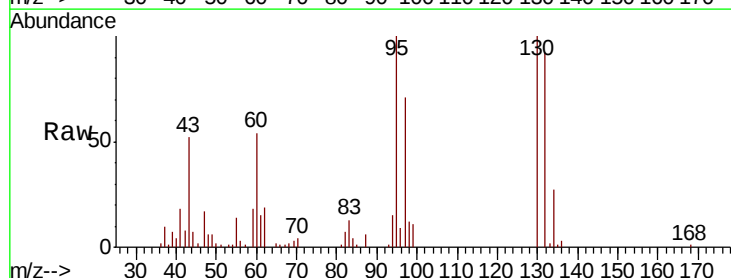
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



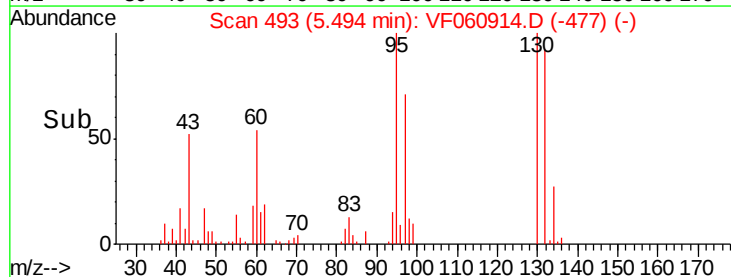
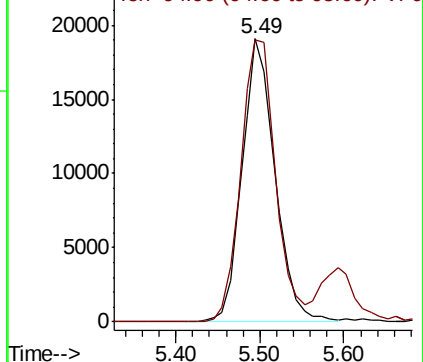
#44

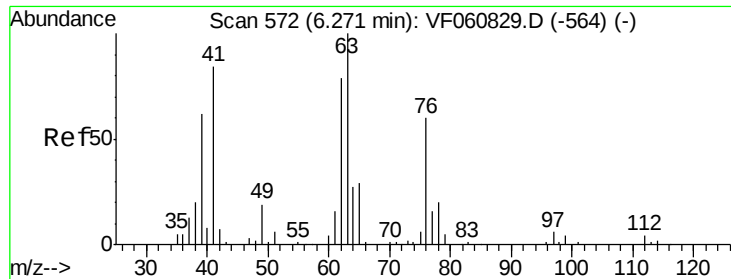
Trichloroethene
 Concen: 21.083 ug/l
 RT: 5.49 min Scan# 493
 Delta R.T. -0.05 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

Tgt Ion:130 Resp: 52059
 Ion Ratio Lower Upper
 130 100
 95 99.8 0.0 195.6



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0

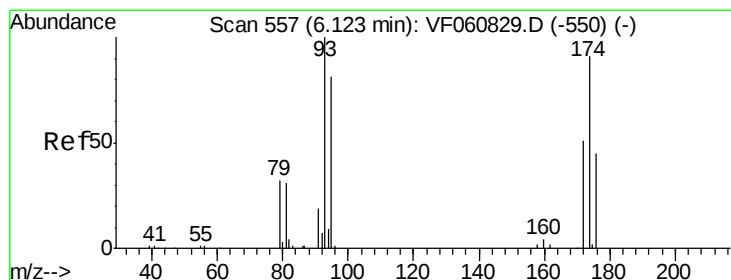
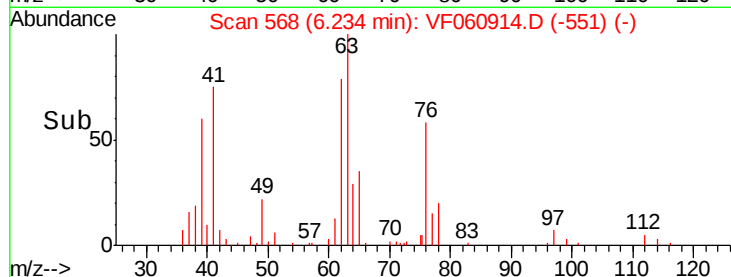
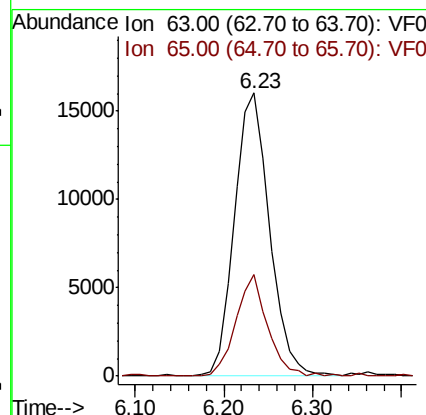
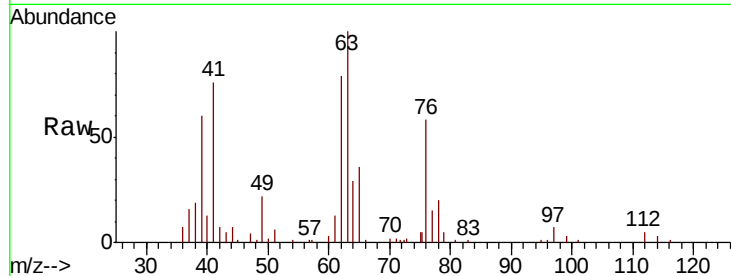




#45
 1,2-Dichloropropane
 Concen: 22.475 ug/l
 RT: 6.23 min Scan# 568
 Delta R.T. -0.04 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

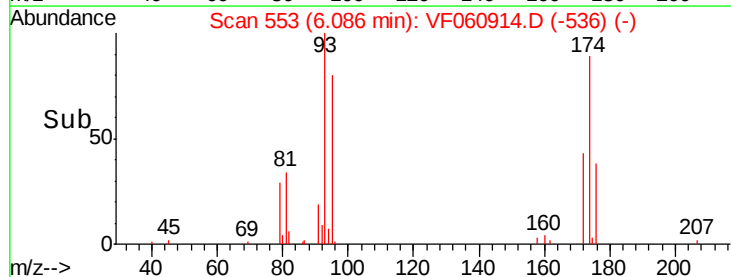
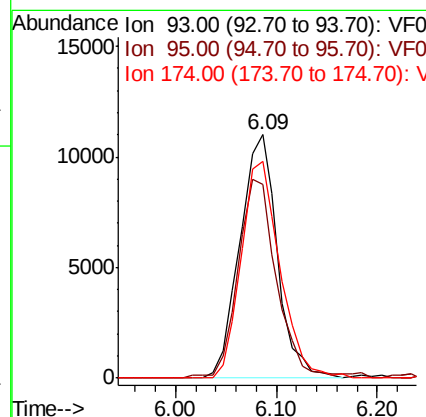
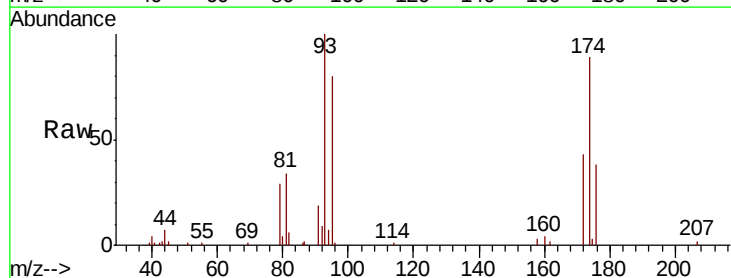
Instrument :
 MSVOA_F
 ClientSampleId :

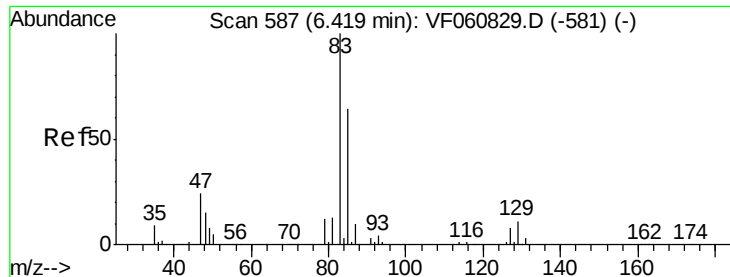
Tot Ion: 63 Resp: 44081
 Ion Ratio Lower Upper
 63 100
 65 35.7 23.2 34.8#



#46
 Dibromomethane
 Concen: 21.426 ug/l
 RT: 6.09 min Scan# 553
 Delta R.T. -0.04 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

Tgt Ion: 93 Resp: 28507
 Ion Ratio Lower Upper
 93 100
 95 79.8 64.7 97.1
 174 91.9 73.0 109.6





#47

Bromodichloromethane

Concen: 21.994 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :
MSVOA_F
ClientSampleId :

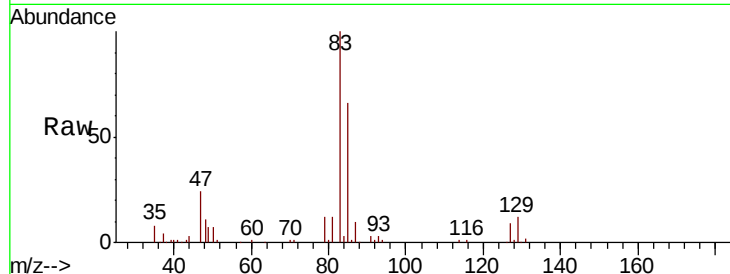
Tot Ion: 83 Resp: 77723

Ion Ratio Lower Upper

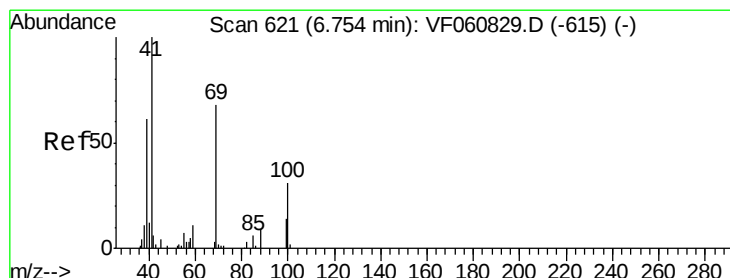
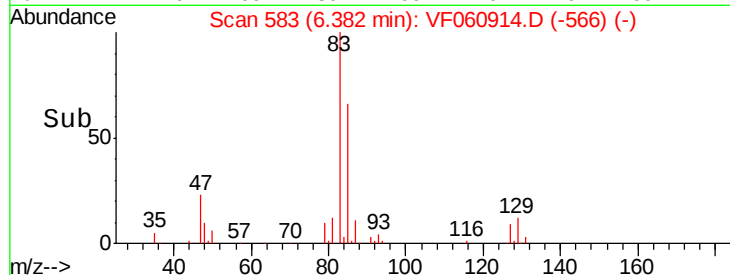
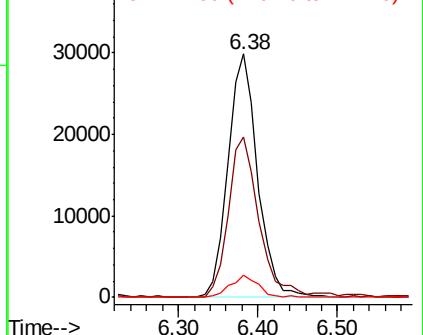
83 100

85 65.7 51.1 76.7

127 9.1 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 20.494 ug/l

RT: 6.72 min Scan# 617

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

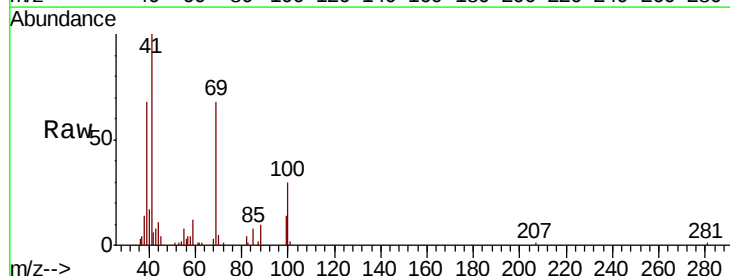
Tgt Ion: 41 Resp: 25769

Ion Ratio Lower Upper

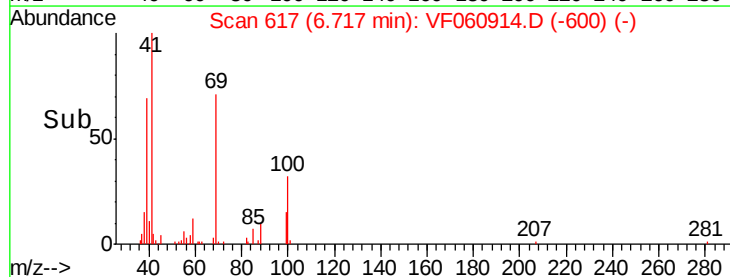
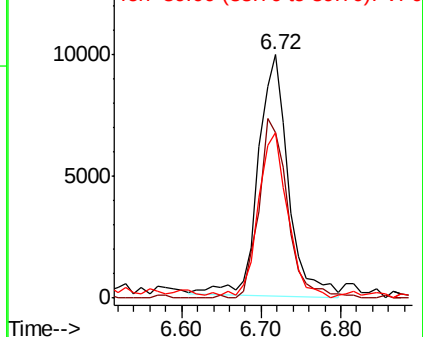
41 100

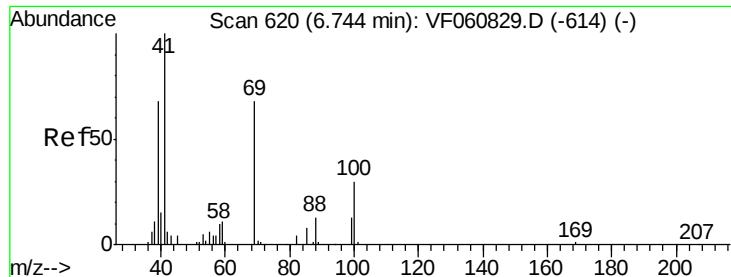
69 68.2 53.9 80.9

39 67.9 49.0 73.6



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

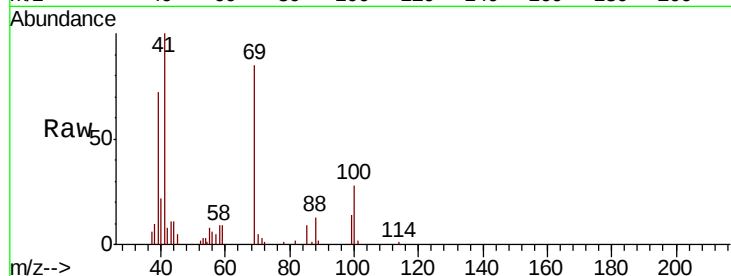




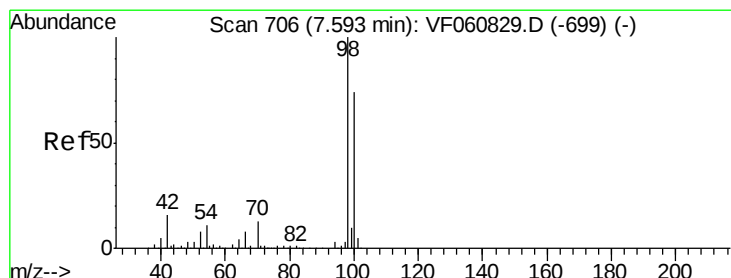
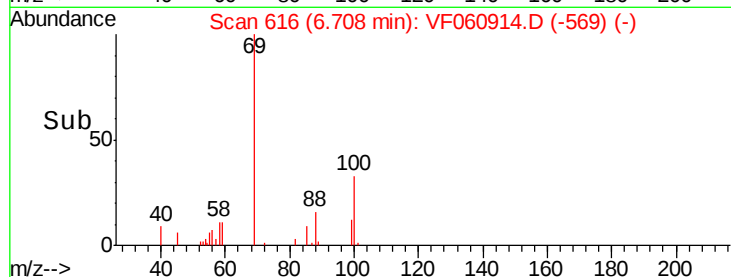
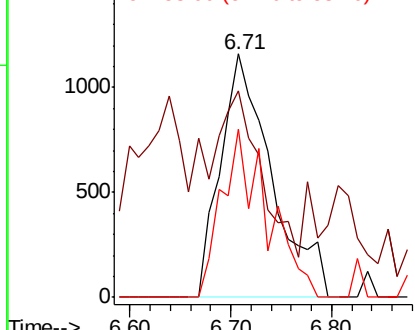
#49
1,4-Dioxane
Concen: 446.179 ug/l
RT: 6.71 min Scan# 616
Delta R.T. -0.04 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 88 Resp: 4106
Ion Ratio Lower Upper
88 100
43 84.9 42.0 63.0#
58 69.1 61.8 92.8

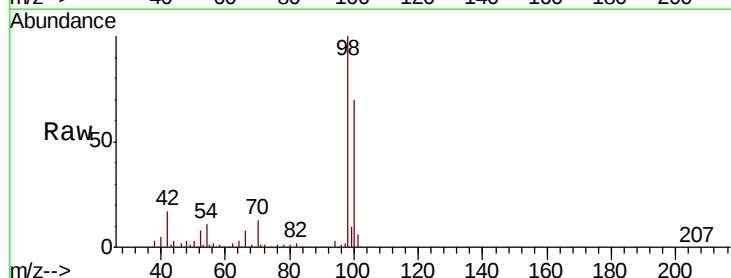


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

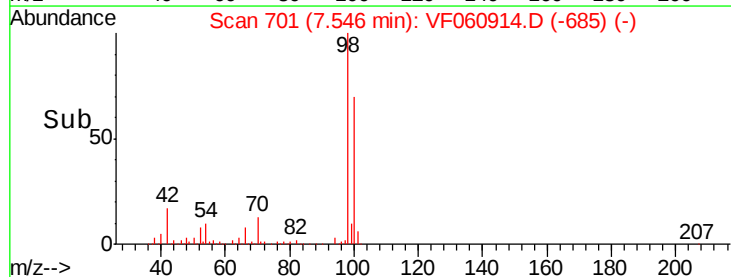
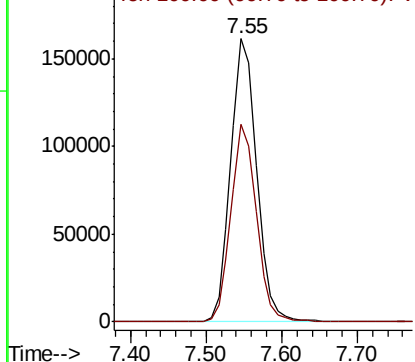


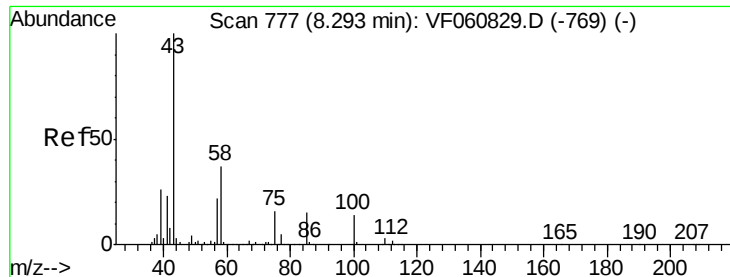
#50
Toluene-d8
Concen: 53.355 ug/l
RT: 7.55 min Scan# 701
Delta R.T. -0.05 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion: 98 Resp: 384273
Ion Ratio Lower Upper
98 100
100 70.0 59.3 88.9



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





#51

4-Methyl-2-Pentanone

Concen: 108.183 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

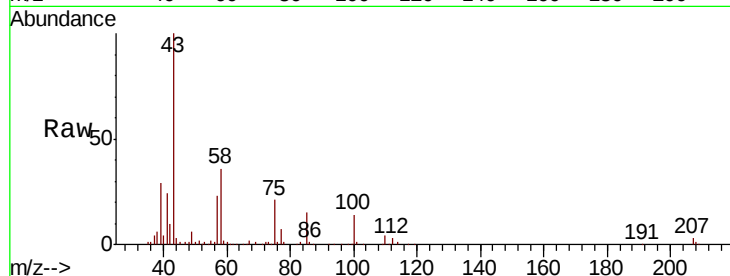
ClientSampleId :

Tot Ion: 43 Resp: 138583

Ion Ratio Lower Upper

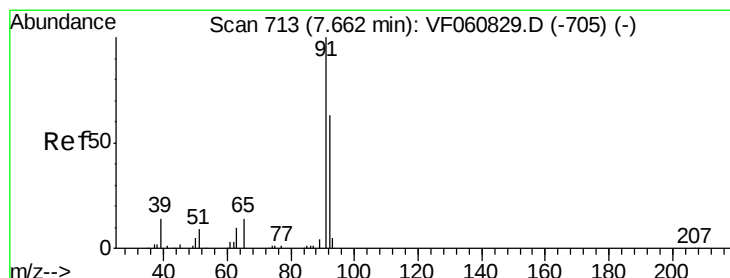
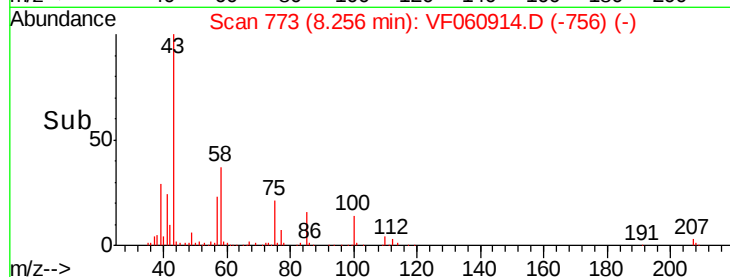
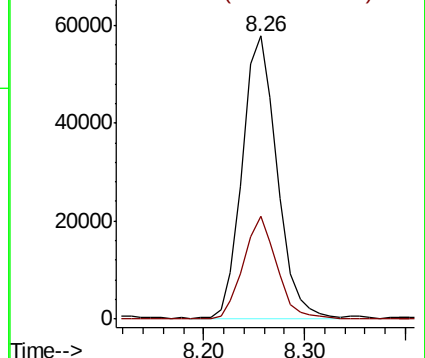
43 100

58 36.5 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 19.858 ug/l

RT: 7.62 min Scan# 708

Delta R.T. -0.05 min

Lab File: VF060914.D

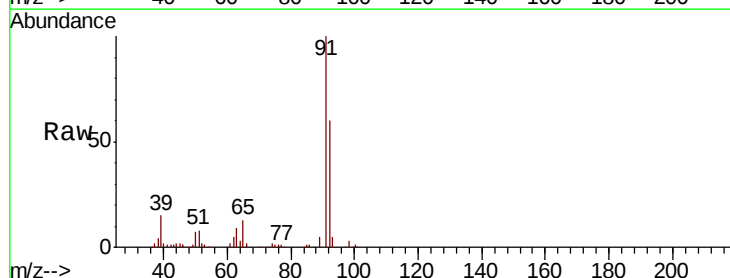
Acq: 6 Dec 2018 13:45

Tgt Ion: 92 Resp: 105340

Ion Ratio Lower Upper

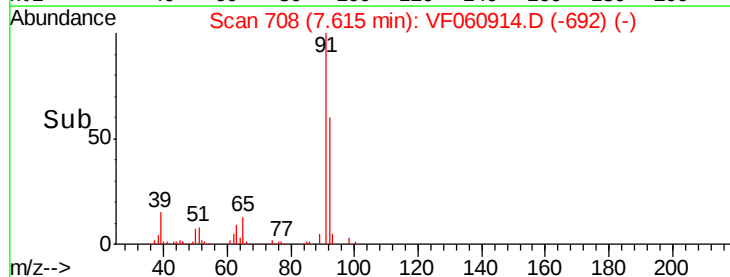
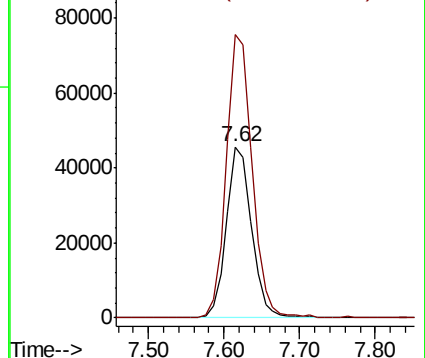
92 100

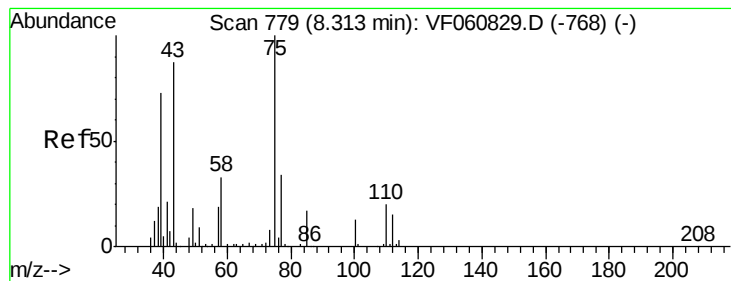
91 165.6 126.2 189.2



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: 21.783 ug/l

RT: 8.28 min Scan# 775

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

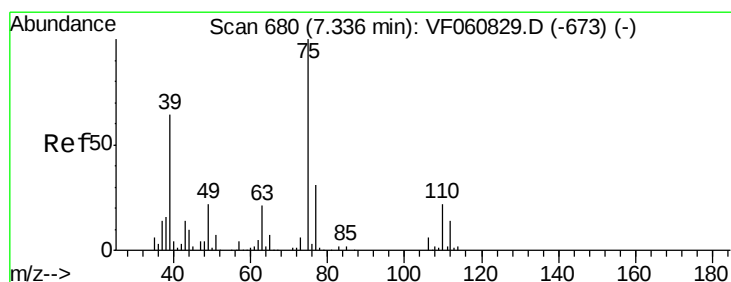
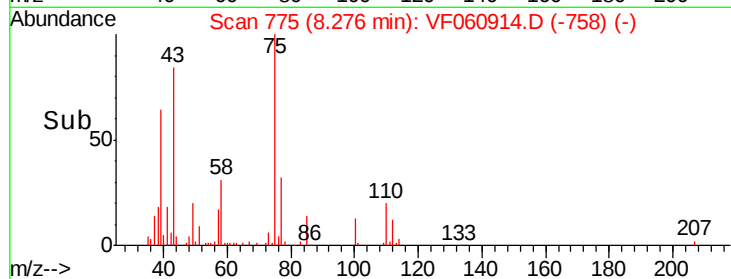
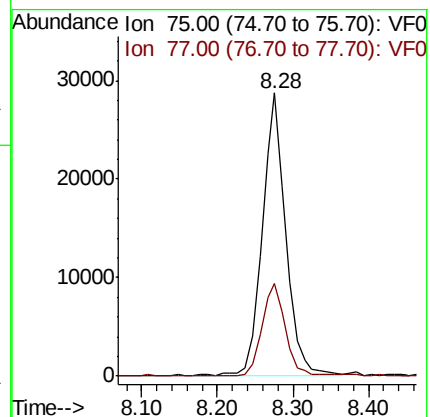
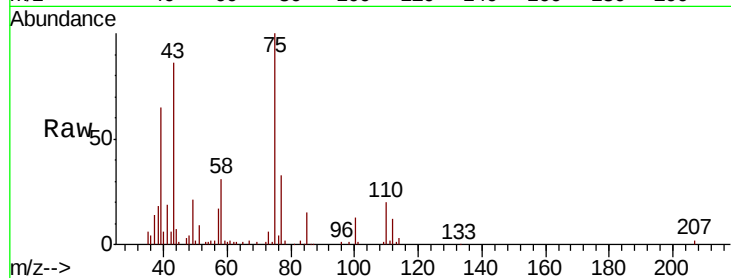
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 62614

Ion Ratio Lower Upper

75 100

77 32.8 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 20.950 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

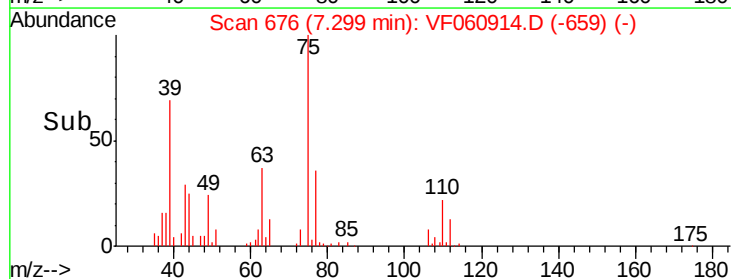
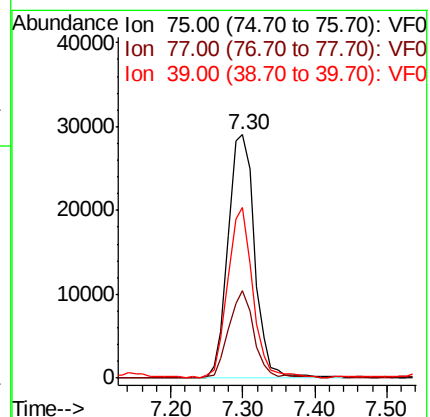
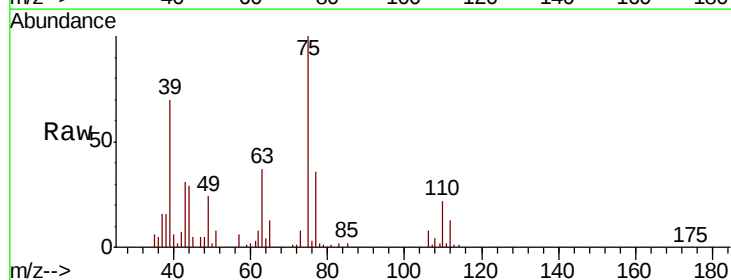
Tgt Ion: 75 Resp: 74549

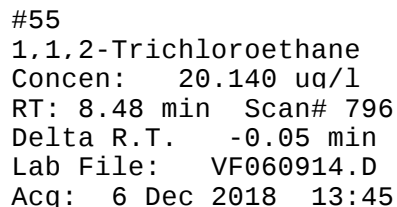
Ion Ratio Lower Upper

75 100

77 36.1 25.0 37.6

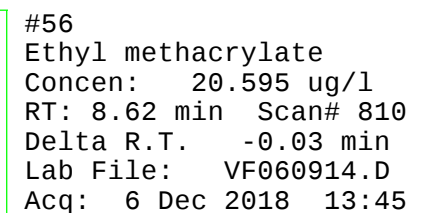
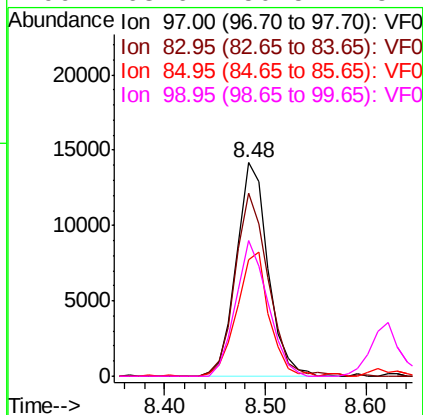
39 70.3 51.1 76.7



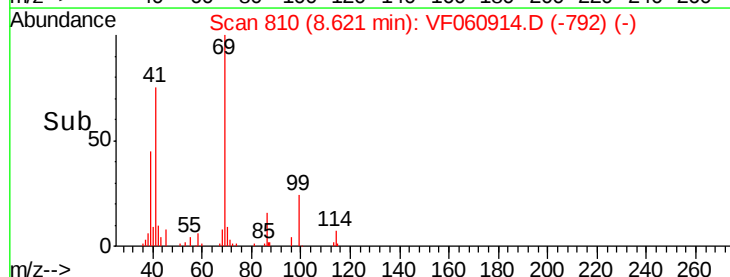
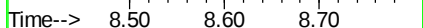
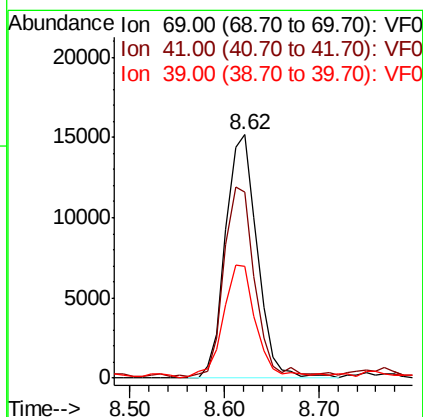


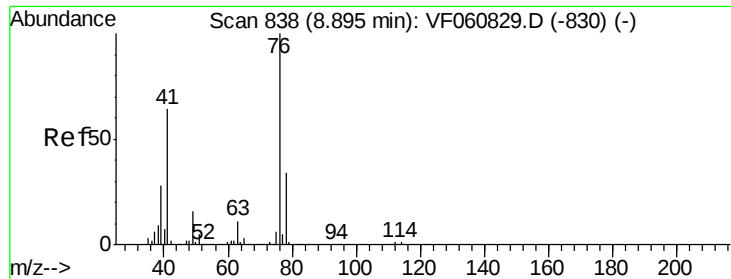
Instrument :
MSVOA_F
ClientSampleId :

Tat	Ion: 97	Resp:	31130
Ion	Ratio	Lower	Upper
97	100		
83	85.6	67.8	101.6
85	54.4	45.0	67.6
99	63.6	50.5	75.7



Tgt	Ion: 69	Resp:	35363
Ion	Ratio	Lower	Upper
69	100		
41	76.6	62.6	94.0
39	46.0	37.8	56.6





#57

1,3-Dichloropropane

Concen: 22.166 ug/l

RT: 8.85 min Scan# 833

Delta R.T. -0.05 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

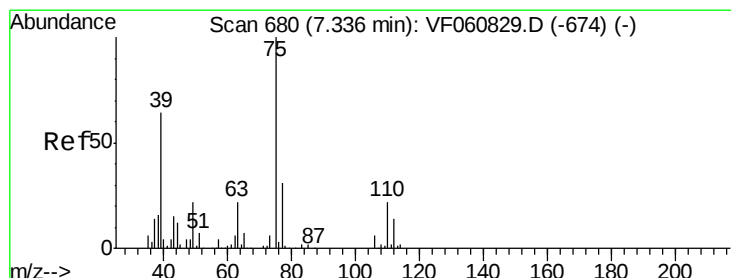
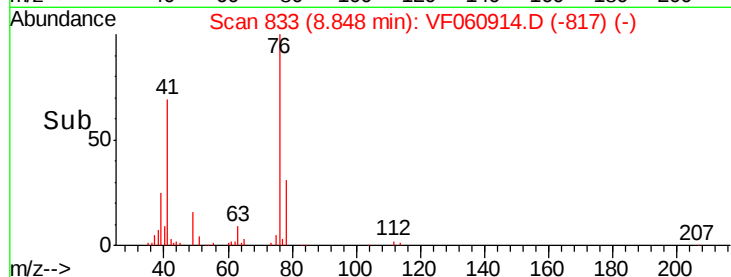
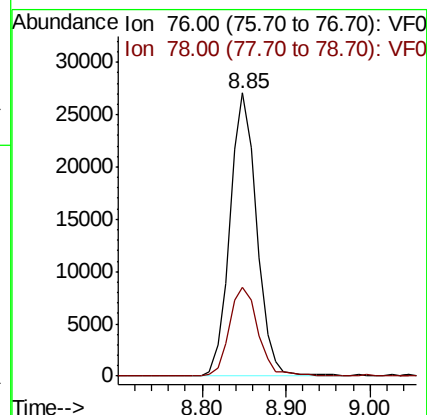
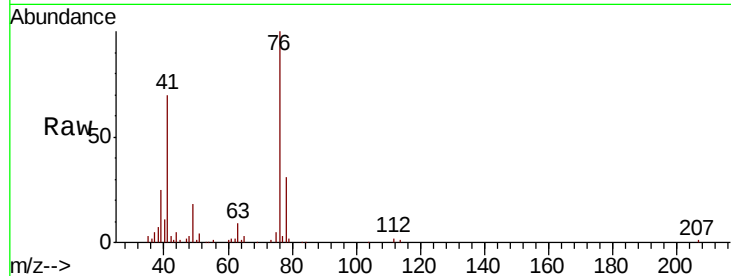
ClientSampled :

Tot Ion: 76 Resp: 59943

Ion Ratio Lower Upper

76 100

78 31.4 27.0 40.4



#58

2-Chloroethyl Vinyl ether

Concen: 168.150 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.05 min

Lab File: VF060914.D

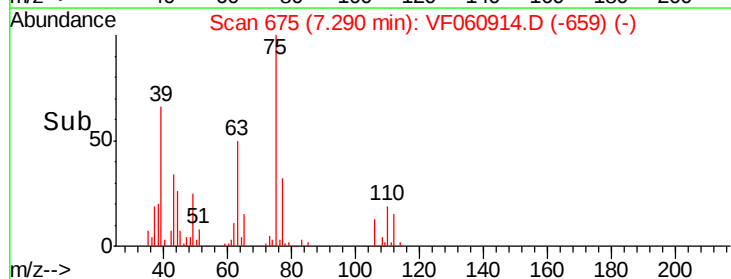
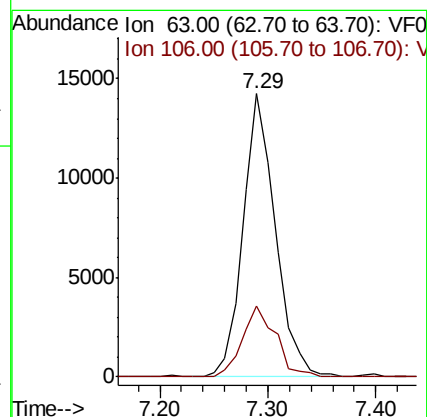
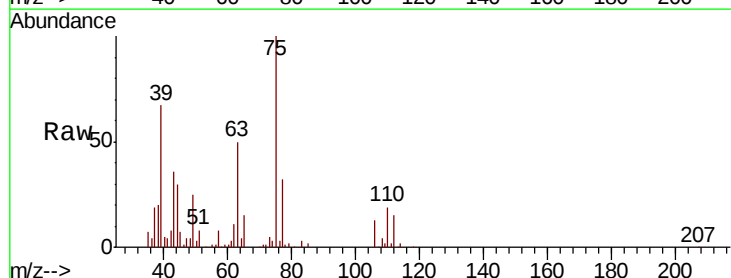
Acq: 6 Dec 2018 13:45

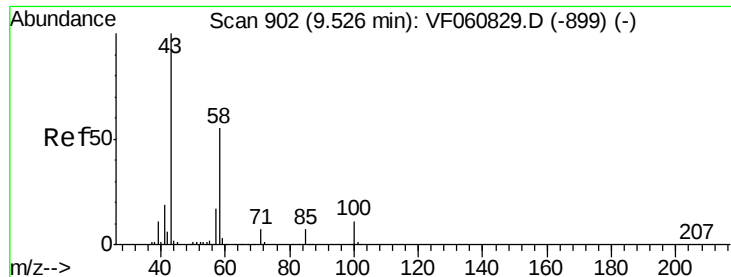
Tgt Ion: 63 Resp: 29532

Ion Ratio Lower Upper

63 100

106 25.1 23.0 34.6

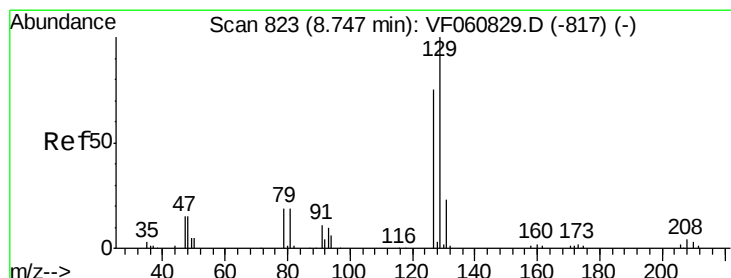
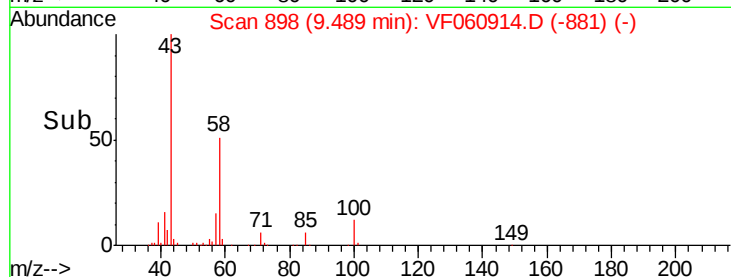
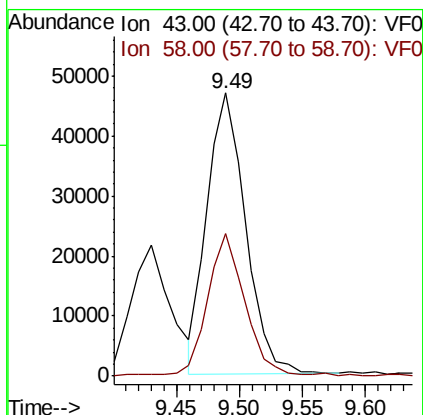
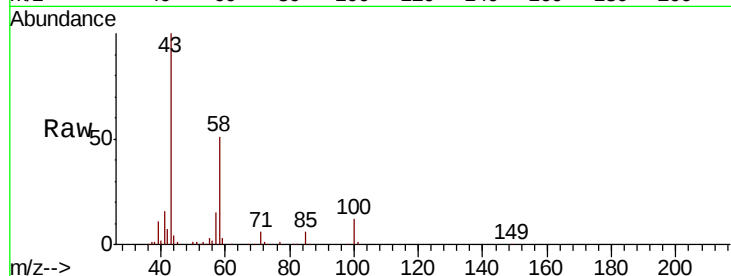




#59
2-Hexanone
Concen: 110.109 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.04 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

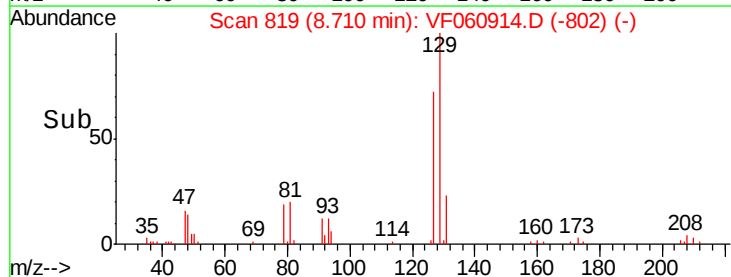
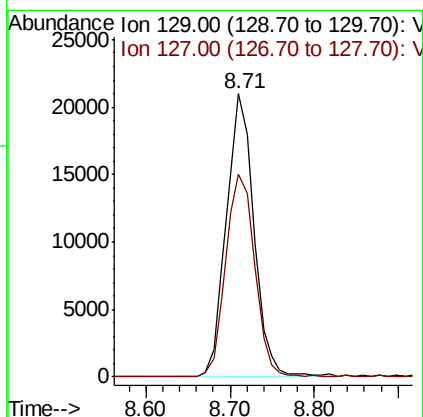
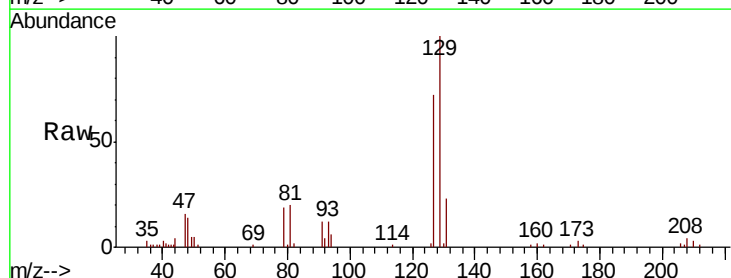
Instrument :
MSVOA_F
ClientSampled :

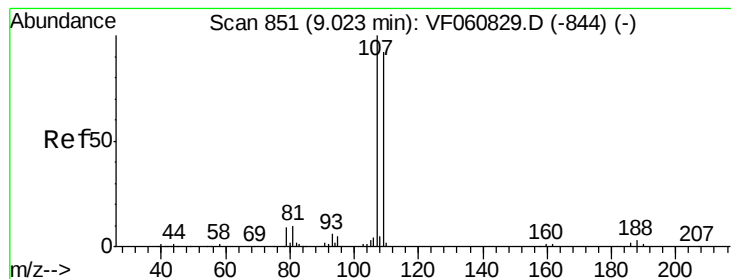
Tot Ion: 43 Resp: 98955
Ion Ratio Lower Upper
43 100
58 50.5 25.6 76.6



#60
Dibromochloromethane
Concen: 20.847 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.04 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion: 129 Resp: 48011
Ion Ratio Lower Upper
129 100
127 71.7 37.3 111.9





#61

1,2-Dibromoethane

Concen: 20.750 ug/l

RT: 8.99 min Scan# 847

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

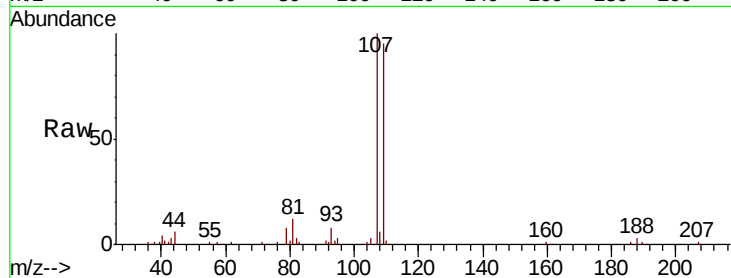
ClientSampleId :

Tot Ion:107 Resp: 34647

Ion Ratio Lower Upper

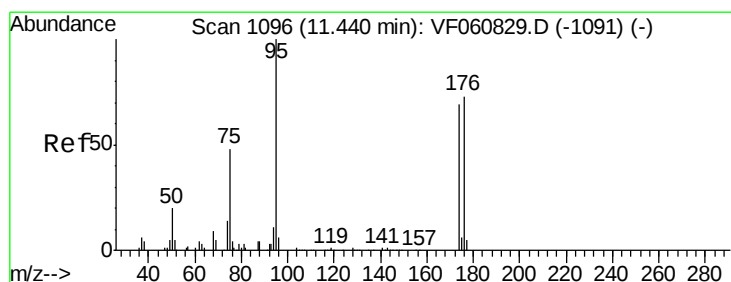
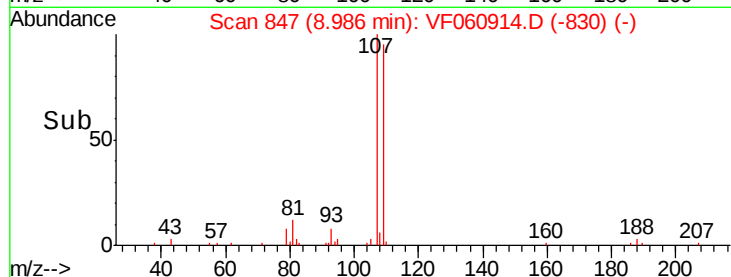
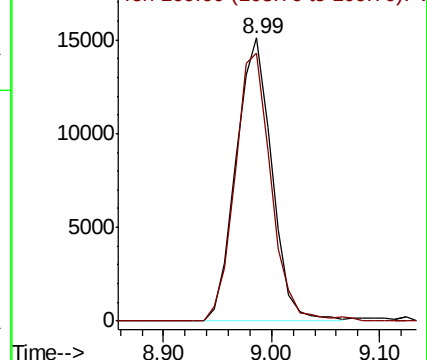
107 100

109 94.6 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 51.921 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

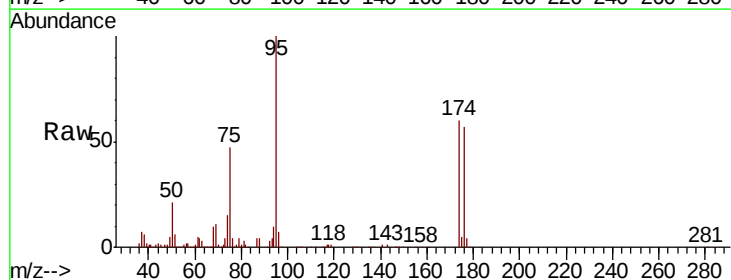
Tgt Ion: 95 Resp: 169950

Ion Ratio Lower Upper

95 100

174 60.3 0.0 138.2

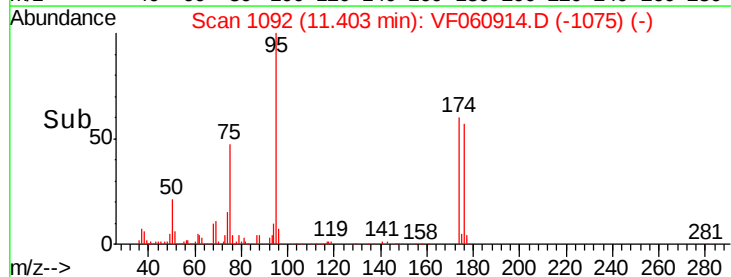
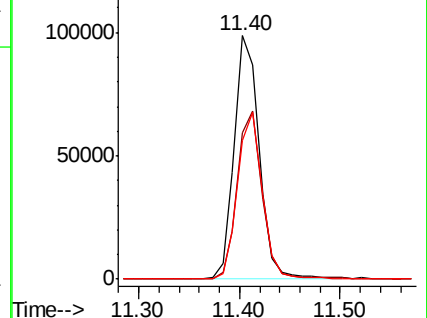
176 57.2 0.0 146.2

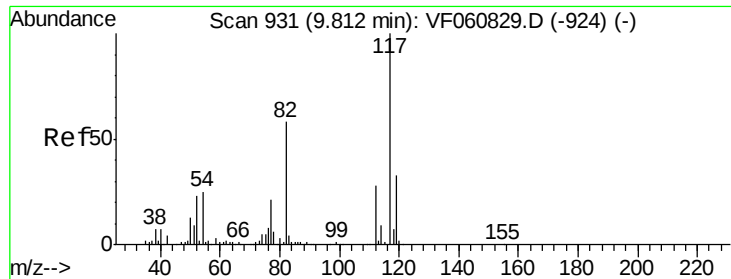


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

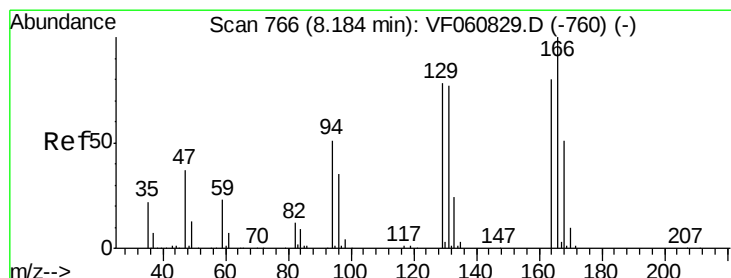
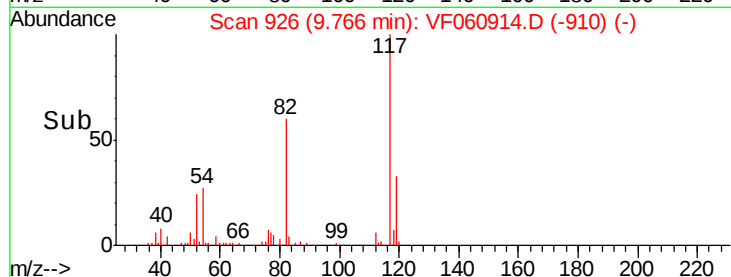
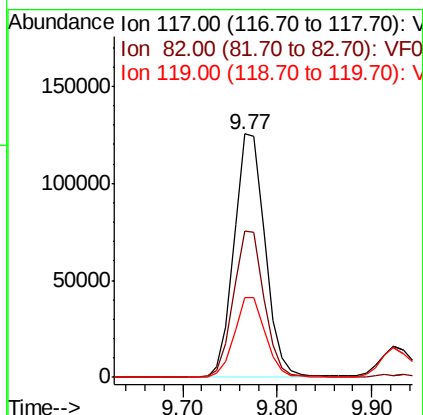
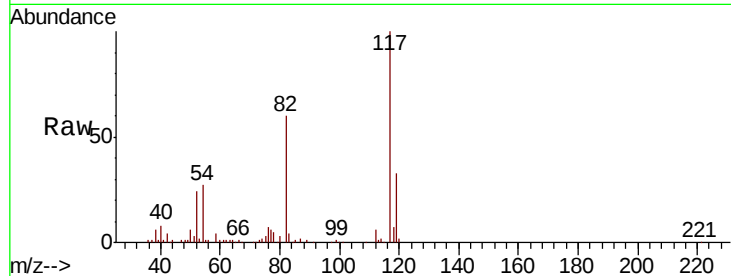




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 926
Delta R.T. -0.05 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

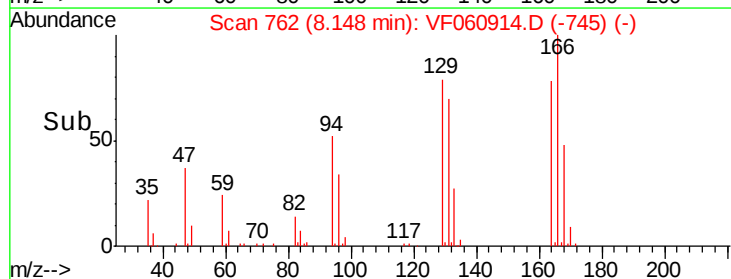
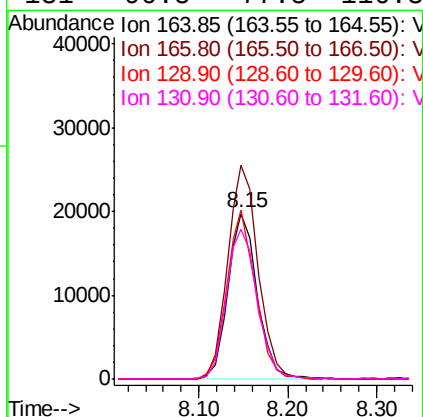
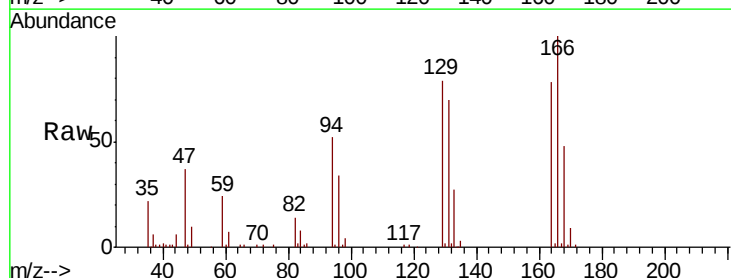
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 286619
Ion Ratio Lower Upper
117 100
82 60.0 46.6 69.8
119 32.7 26.4 39.6



#64
Tetrachloroethene
Concen: 20.732 ug/l
RT: 8.15 min Scan# 762
Delta R.T. -0.04 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion:164 Resp: 45386
Ion Ratio Lower Upper
164 100
166 129.0 100.3 150.5
129 102.1 77.9 116.9
131 90.5 77.5 116.3

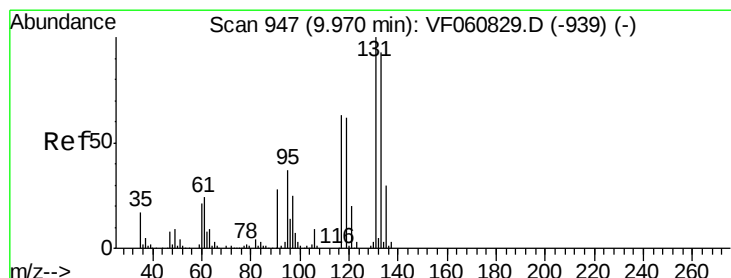
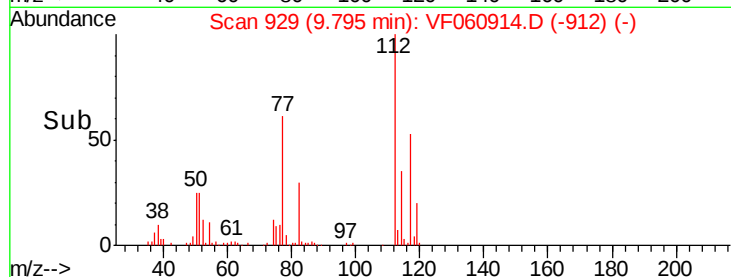
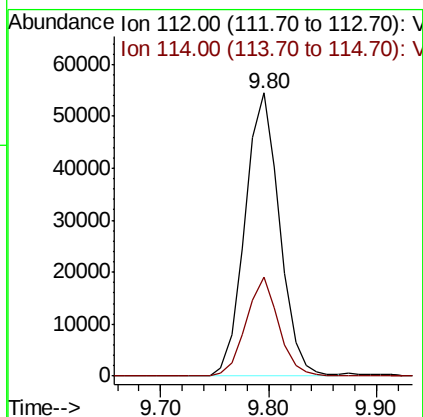
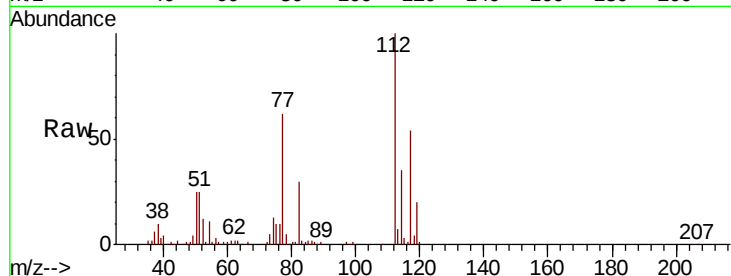




#65
Chlorobenzene
Concen: 21.764 ug/l
RT: 9.80 min Scan# 929
Delta R.T. -0.04 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

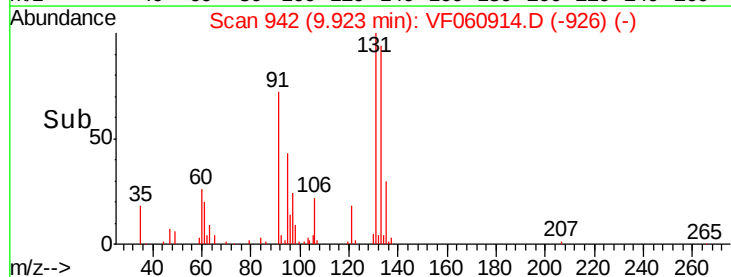
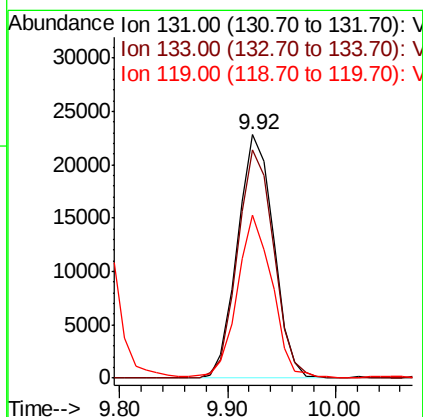
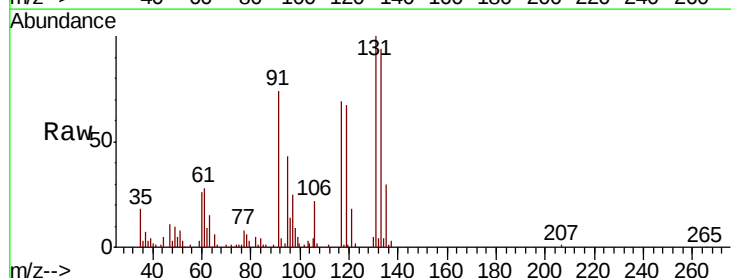
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:112 Resp: 121355
Ion Ratio Lower Upper
112 100
114 34.8 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.182 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.05 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion:131 Resp: 53172
Ion Ratio Lower Upper
131 100
133 93.9 46.5 139.3
119 67.0 31.1 93.3

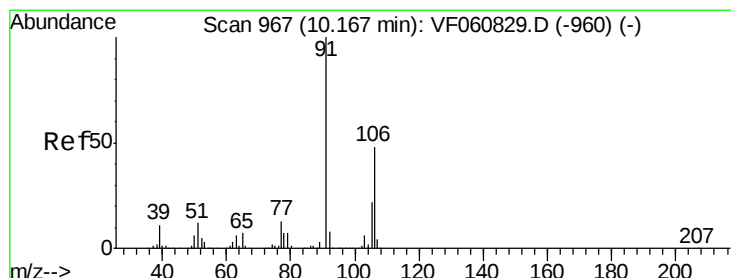
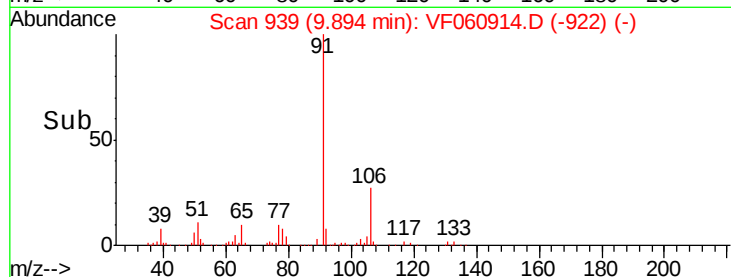
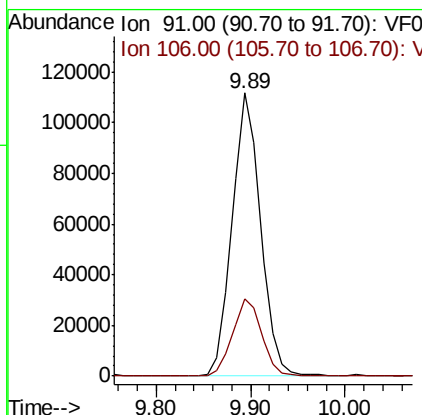
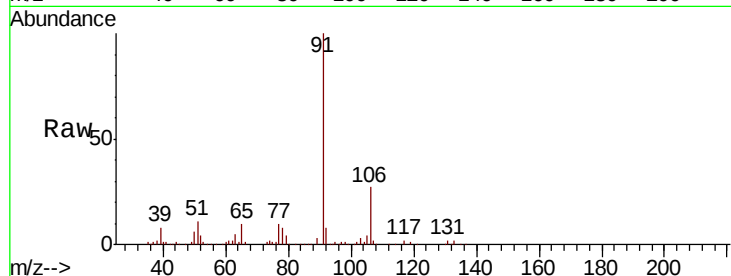




#67
Ethyl Benzene
Concen: 22.471 ug/l
RT: 9.89 min Scan# 939
Delta R.T. -0.04 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

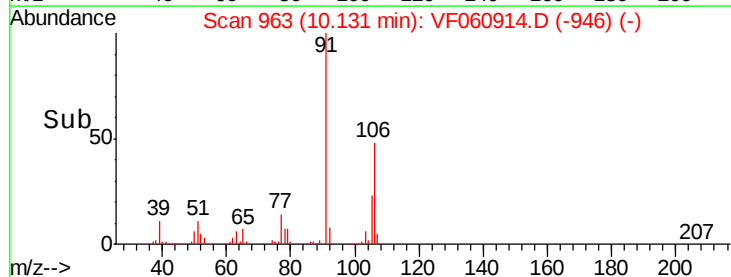
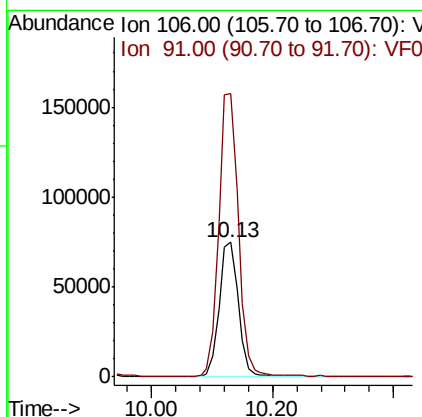
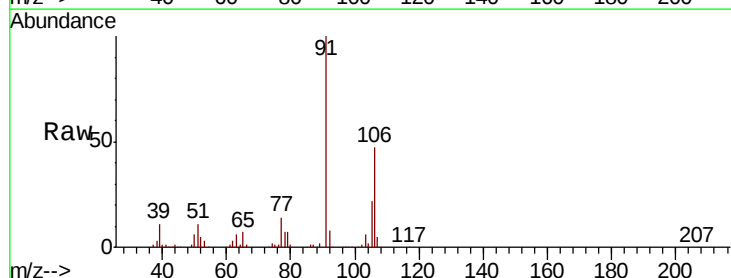
Instrument :
MSVOA_F
ClientSampleId :

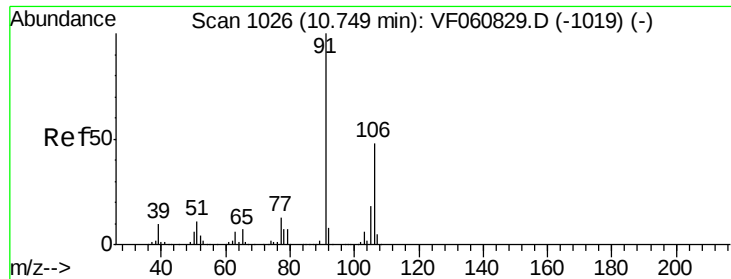
Tot Ion: 91 Resp: 233259
Ion Ratio Lower Upper
91 100
106 27.3 22.2 33.2



#68
m/p-Xylenes
Concen: 44.233 ug/l
RT: 10.13 min Scan# 963
Delta R.T. -0.04 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion: 106 Resp: 165144
Ion Ratio Lower Upper
106 100
91 210.6 166.7 250.1

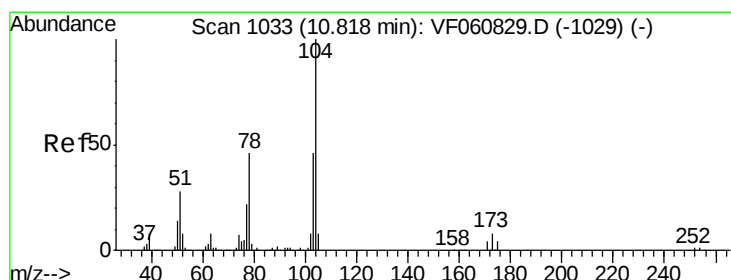
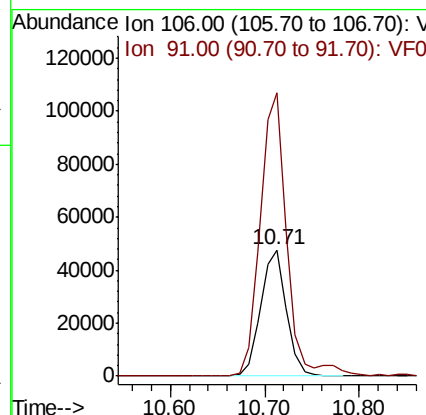
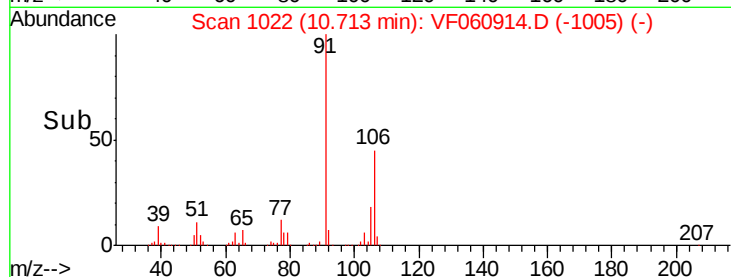
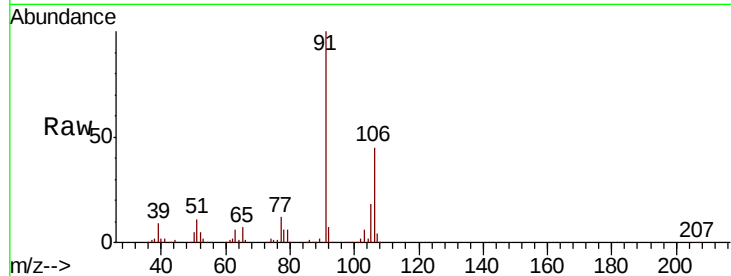




#69
o-Xylene
Concen: 21.974 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.04 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

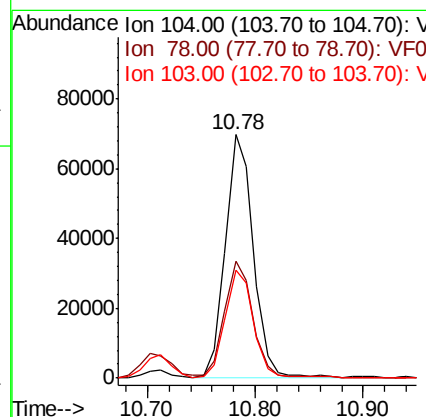
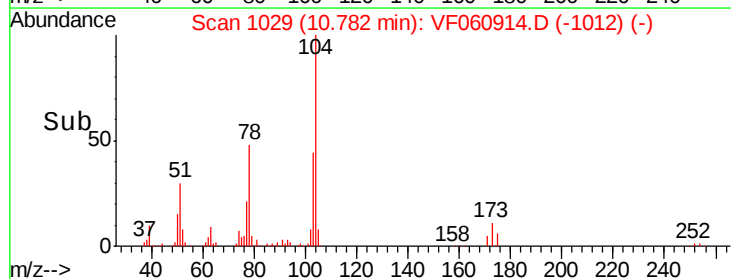
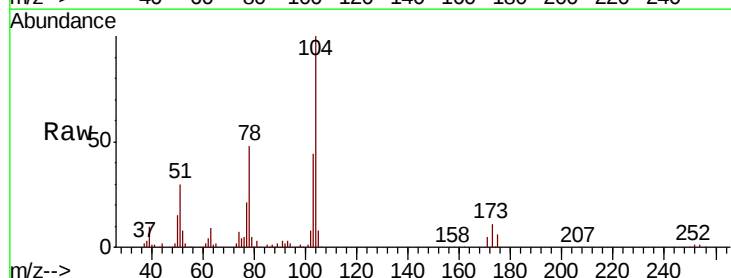
Instrument :
MSVOA_F
ClientSampled :

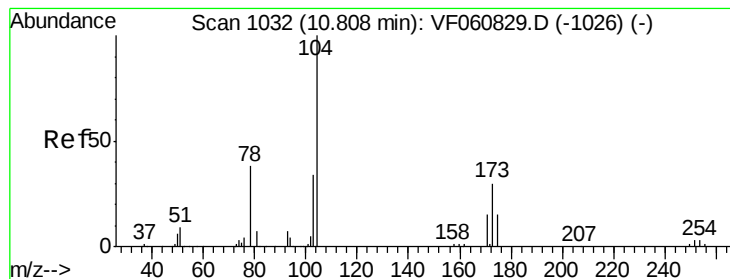
Tot Ion:106 Resp: 90465
Ion Ratio Lower Upper
106 100
91 223.8 104.8 314.6



#70
Styrene
Concen: 21.969 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.04 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion:104 Resp: 125377
Ion Ratio Lower Upper
104 100
78 48.1 37.3 55.9
103 44.3 36.8 55.2





#71

Bromoform

Concen: 20.568 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

ClientSampleId :

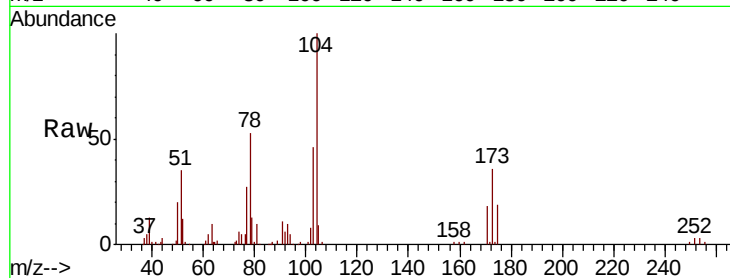
Tot Ion:173 Resp: 23814

Ion Ratio Lower Upper

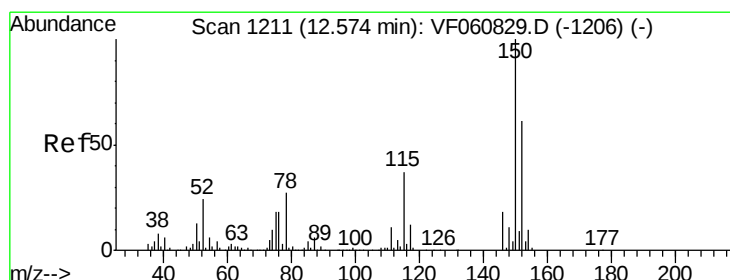
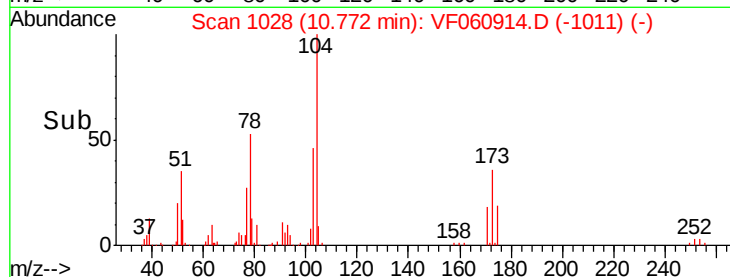
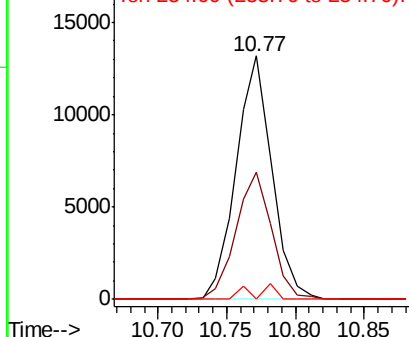
173 100

175 52.0 25.5 76.5

254 0.0 7.5 11.3#



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# 1208

Delta R.T. -0.03 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

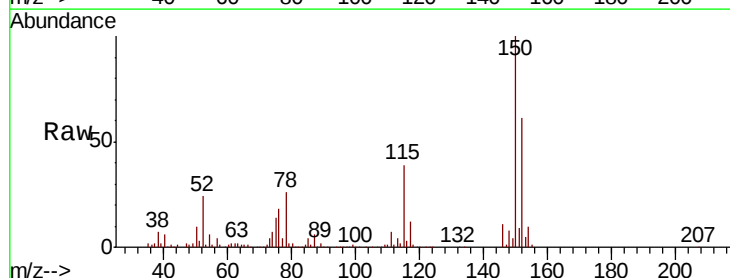
Tgt Ion:152 Resp: 155042

Ion Ratio Lower Upper

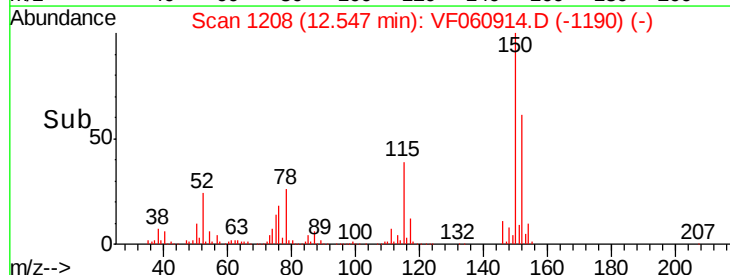
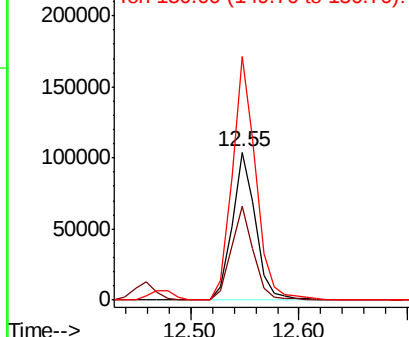
152 100

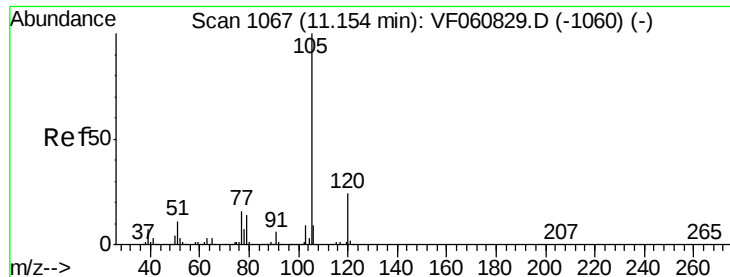
115 63.6 30.1 90.5

150 164.9 0.0 327.6



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: 22.244 ug/l

RT: 11.12 min Scan# 1063

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

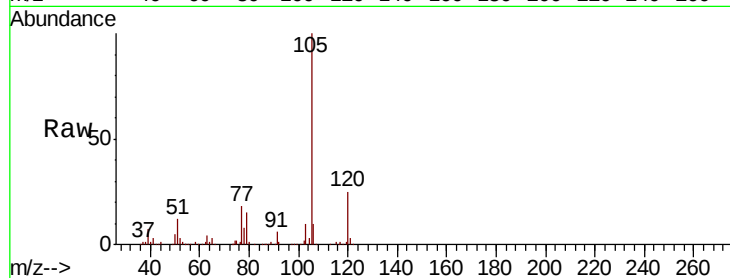
ClientSampleId :

Tot Ion:105 Resp: 272539

Ion Ratio Lower Upper

105 100

120 25.3 12.2 36.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.12

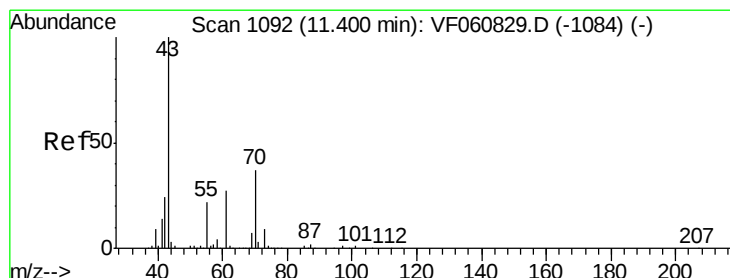
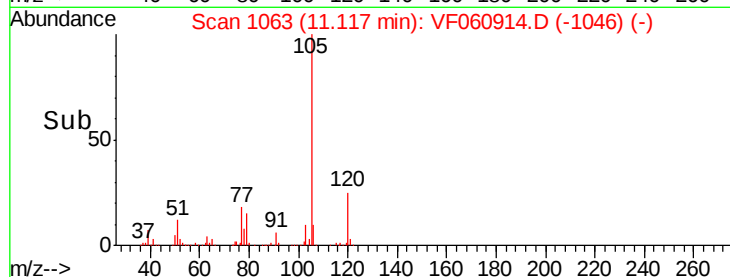
150000

100000

50000

0

Time--> 11.00 11.20



#74

N-ethyl acetate

Concen: 22.663 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Tgt Ion: 43 Resp: 64120

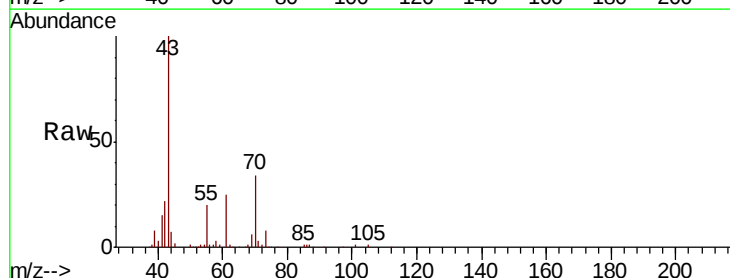
Ion Ratio Lower Upper

43 100

70 33.6 29.6 44.4

55 19.9 17.2 25.8

61 25.3 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.36

50000

40000

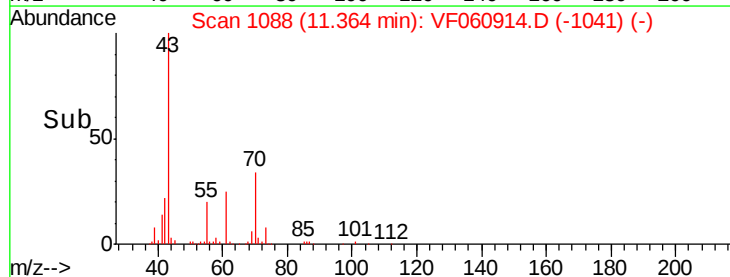
30000

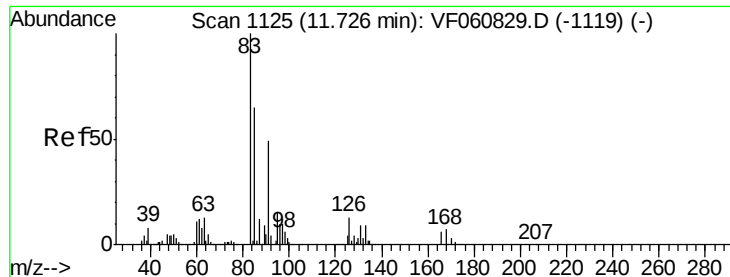
20000

10000

0

Time--> 11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 22.244 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

ClientSampleId :

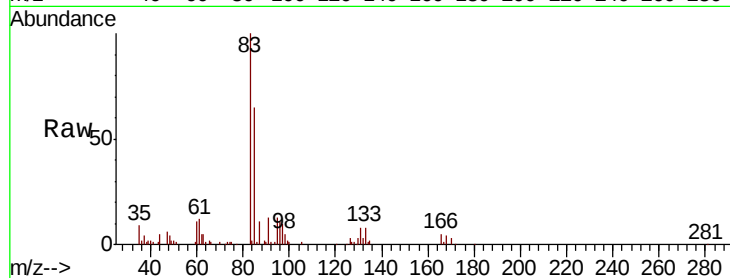
Tot Ion: 83 Resp: 44854

Ion Ratio Lower Upper

83 100

131 7.6 4.7 14.1

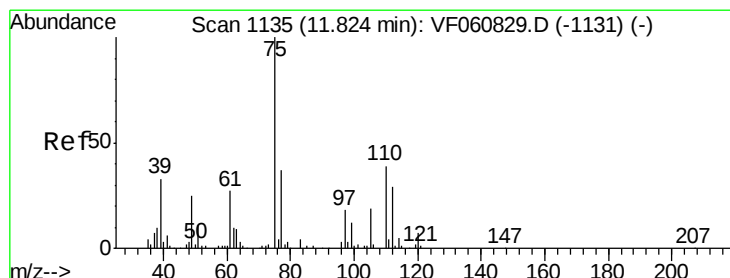
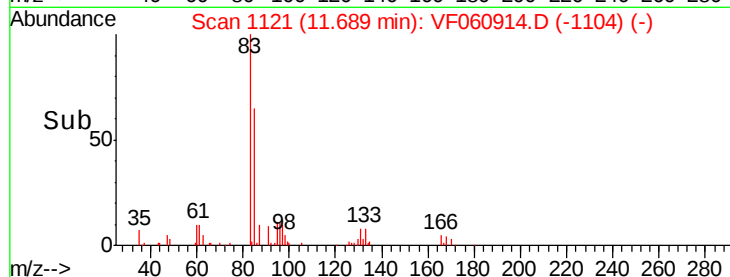
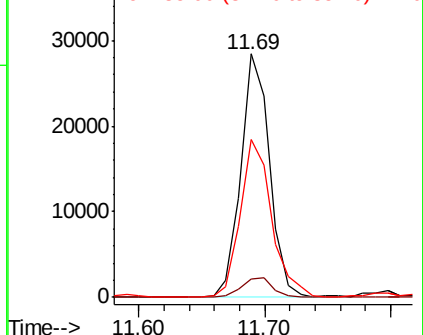
85 64.9 32.6 97.8



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 21.550 ug/l

RT: 11.79 min Scan# 1131

Delta R.T. -0.04 min

Lab File: VF060914.D

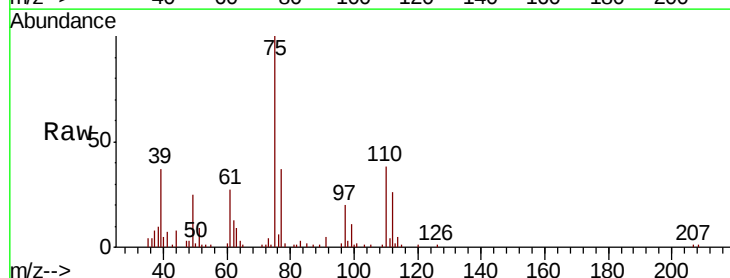
Acq: 6 Dec 2018 13:45

Tgt Ion: 75 Resp: 31586

Ion Ratio Lower Upper

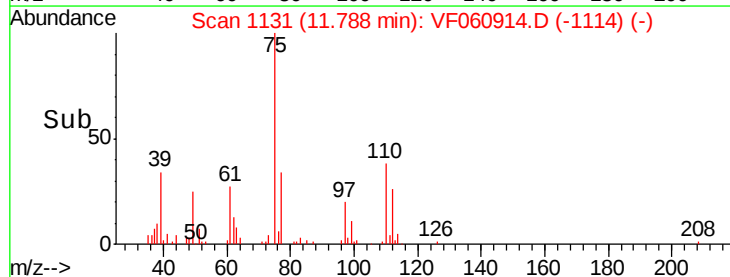
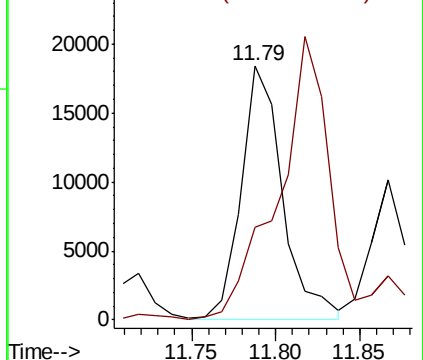
75 100

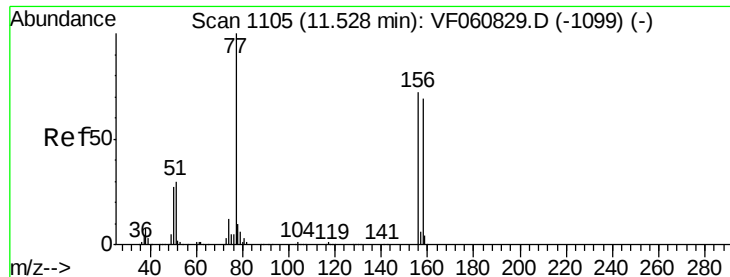
77 36.7 18.4 55.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.214 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

ClientSampleId :

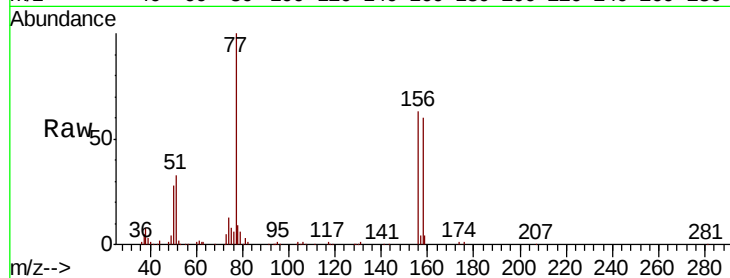
Tot Ion:156 Resp: 56984

Ion Ratio Lower Upper

156 100

77 158.5 69.7 209.0

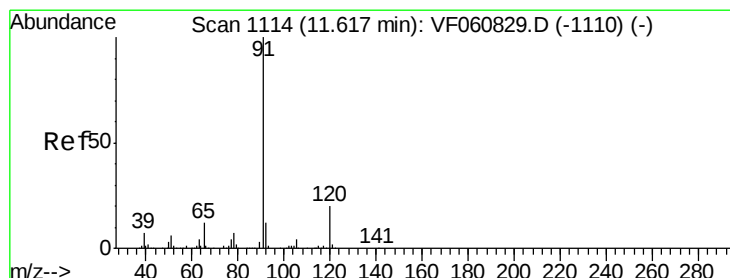
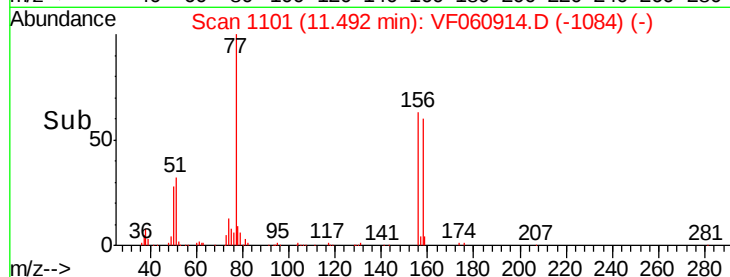
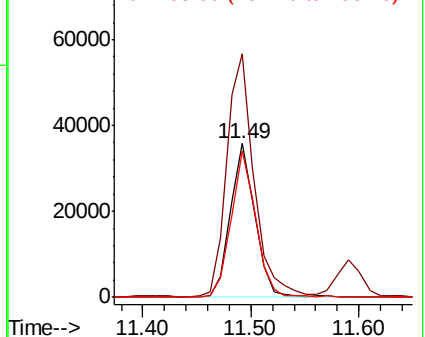
158 95.5 47.8 143.4



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: 23.028 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.03 min

Lab File: VF060914.D

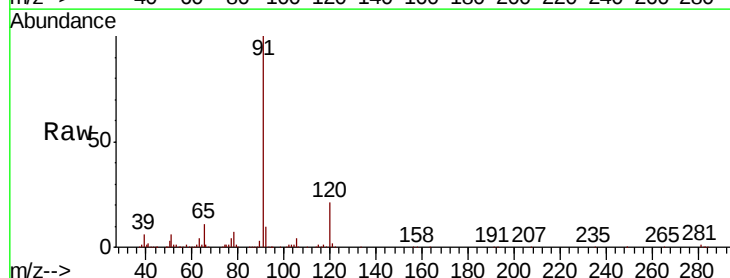
Acq: 6 Dec 2018 13:45

Tgt Ion: 91 Resp: 330414

Ion Ratio Lower Upper

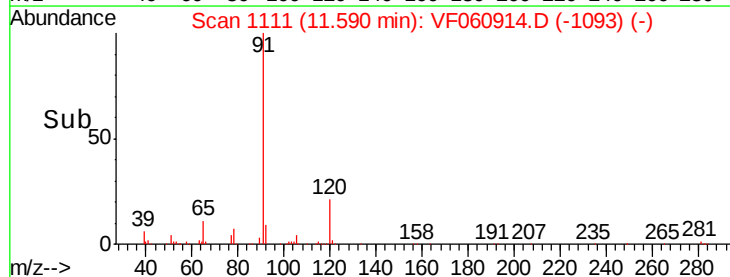
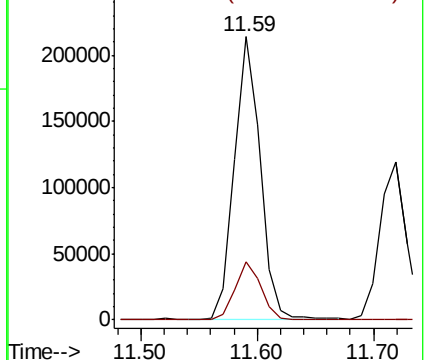
91 100

120 20.6 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.475 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.03 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

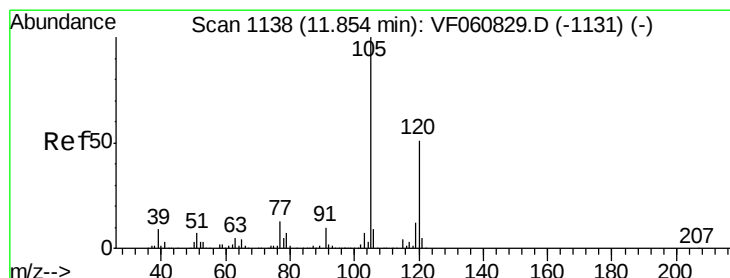
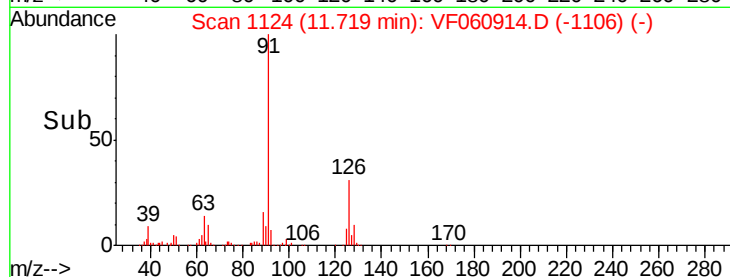
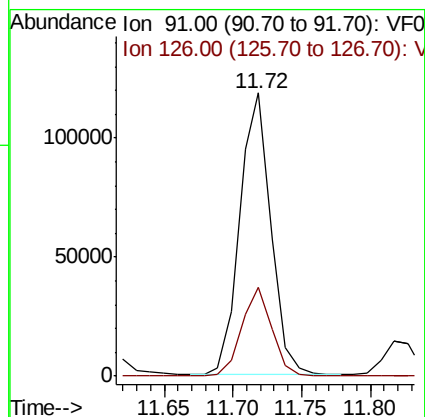
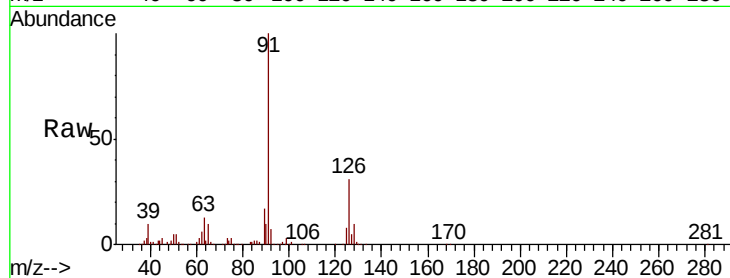
ClientSampleId :

Tot Ion: 91 Resp: 184908

Ion Ratio Lower Upper

91 100

126 31.2 15.9 47.6



#80

1,3,5-Trimethylbenzene

Concen: 22.012 ug/l

RT: 11.82 min Scan# 1134

Delta R.T. -0.04 min

Lab File: VF060914.D

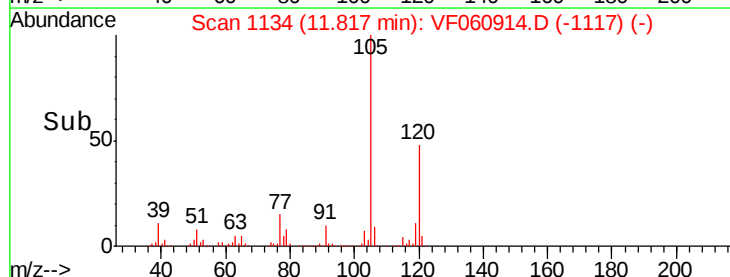
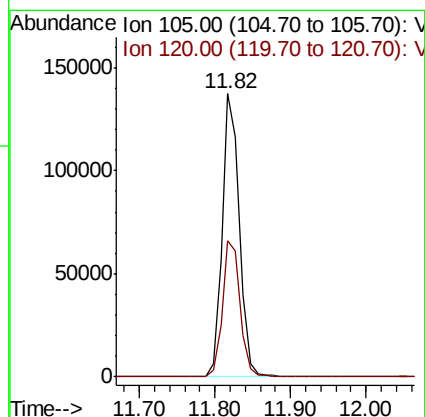
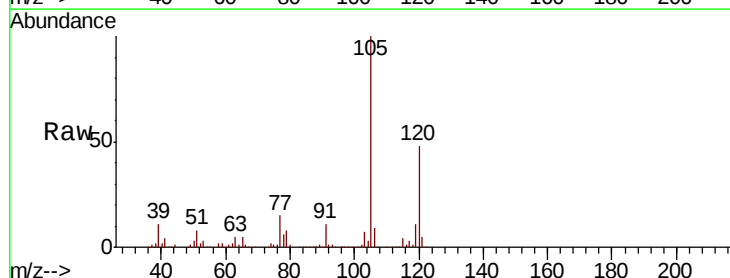
Acq: 6 Dec 2018 13:45

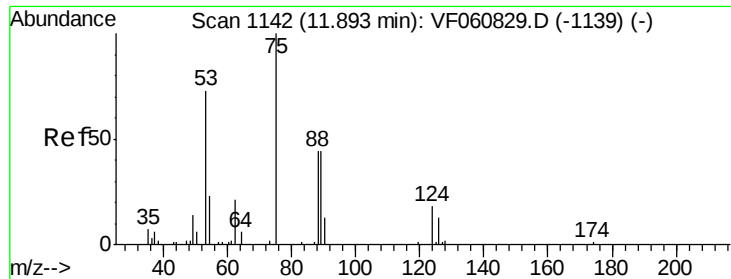
Tgt Ion:105 Resp: 218947

Ion Ratio Lower Upper

105 100

120 48.3 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 29.493 ug/l

RT: 11.87 min Scan# 1139

Delta R.T. -0.03 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

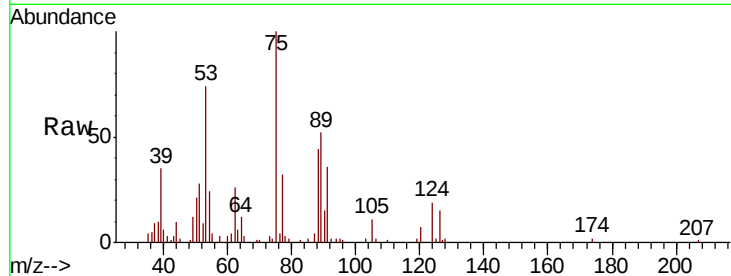
Instrument :

MSVOA_F

ClientSampled :

Tot Ion: 75 Resp: 21180

Ion	Ratio	Lower	Upper
75	100		
53	74.3	65.9	98.9
89	52.3	38.8	58.2

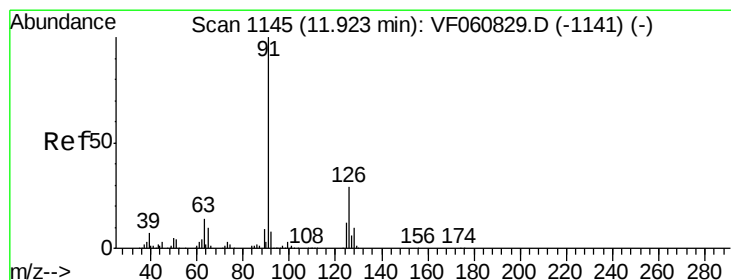
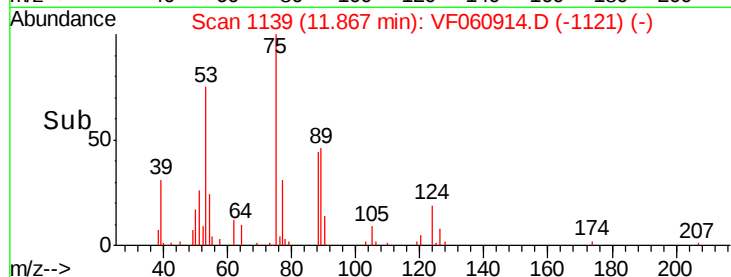
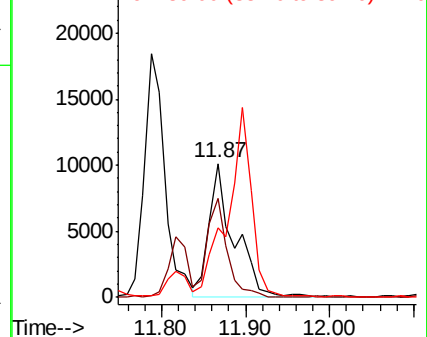


Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 22.119 ug/l

RT: 11.90 min Scan# 1142

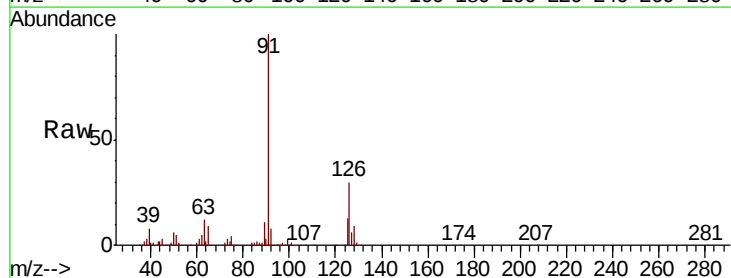
Delta R.T. -0.03 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Tgt Ion: 91 Resp: 191508

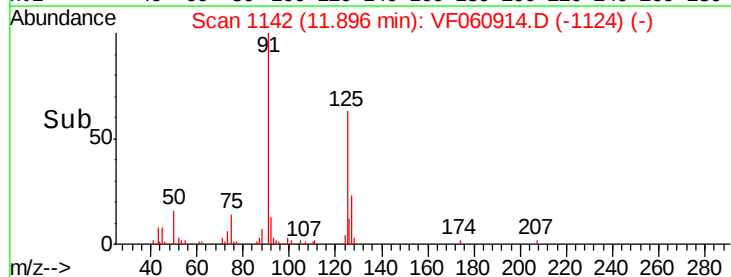
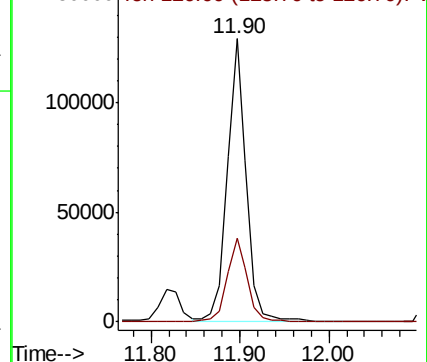
Ion	Ratio	Lower	Upper
91	100		
126	29.7	14.8	44.4

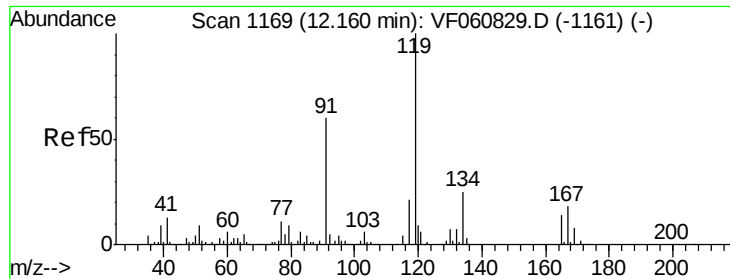


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

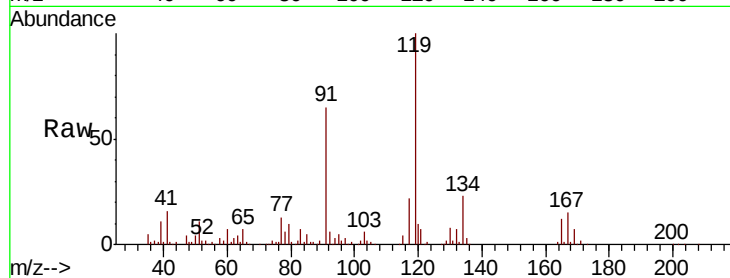




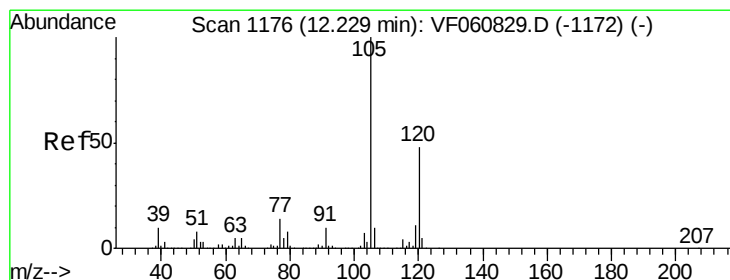
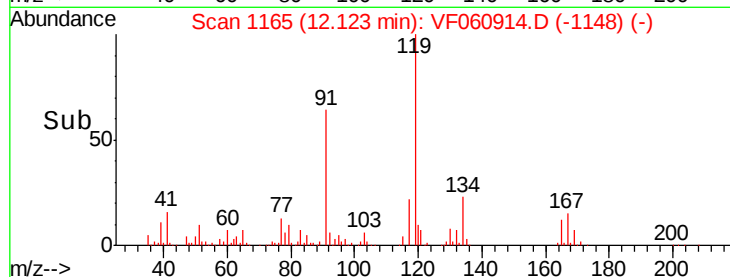
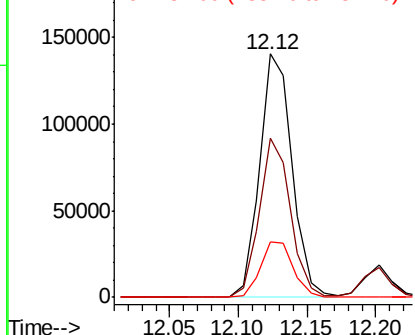
#83
tert-Butylbenzene
Concen: 22.795 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.04 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:119 Resp: 230958
Ion Ratio Lower Upper
119 100
91 65.2 30.1 90.3
134 22.8 12.6 37.8

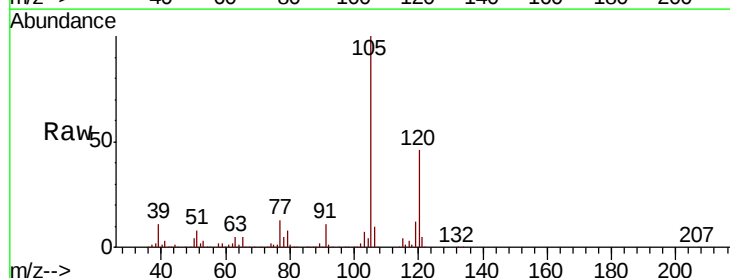


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

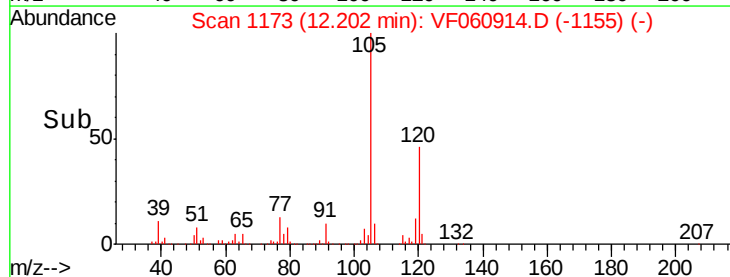
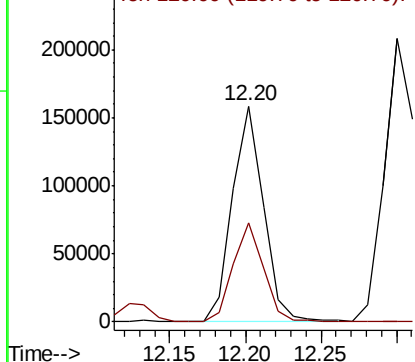


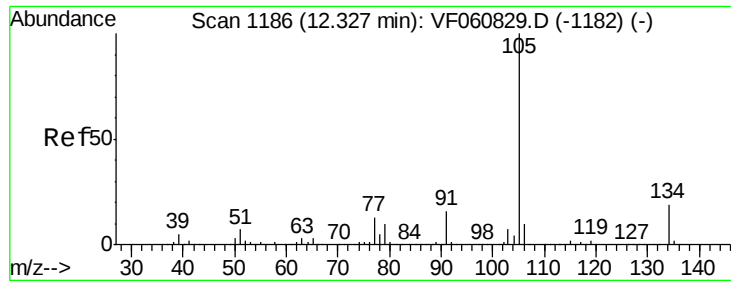
#84
1,2,4-Trimethylbenzene
Concen: 22.788 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.03 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion:105 Resp: 226216
Ion Ratio Lower Upper
105 100
120 45.8 23.8 71.5



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

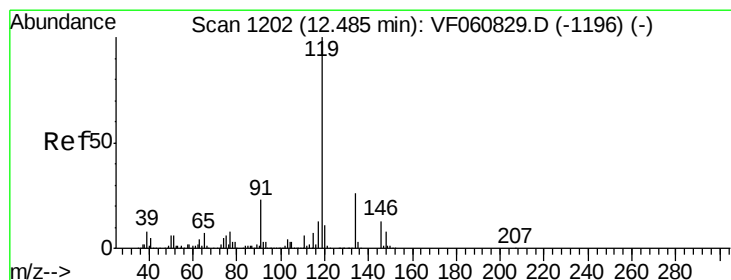
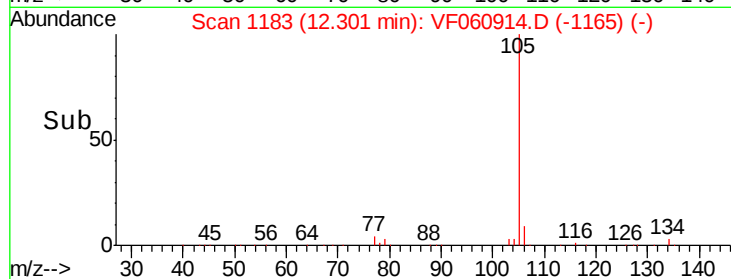
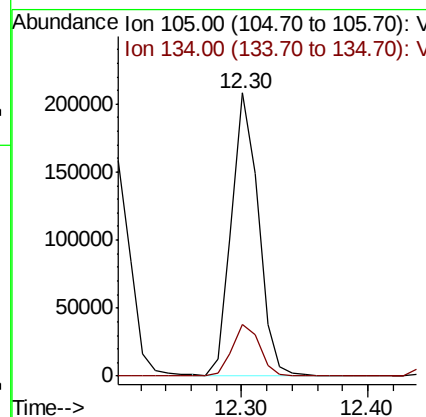
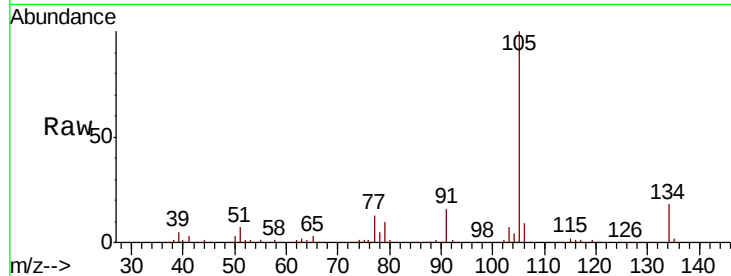




#85
 sec-Butylbenzene
 Concen: 22.112 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.03 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

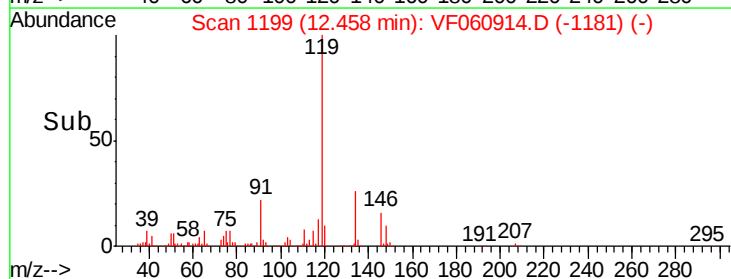
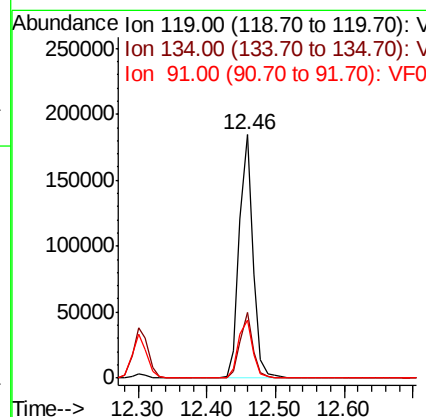
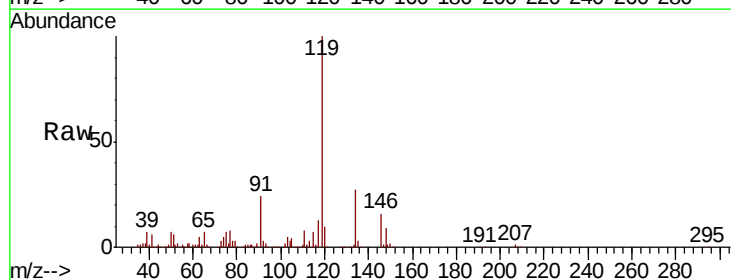
Instrument :
 MSVOA_F
 ClientSampleId :

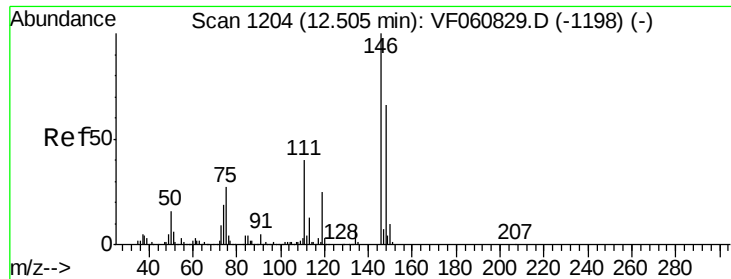
Tot Ion:105 Resp: 306693
 Ion Ratio Lower Upper
 105 100
 134 18.5 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 21.878 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.03 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

Tgt Ion:119 Resp: 254407
 Ion Ratio Lower Upper
 119 100
 134 26.8 12.9 38.6
 91 23.9 11.8 35.3

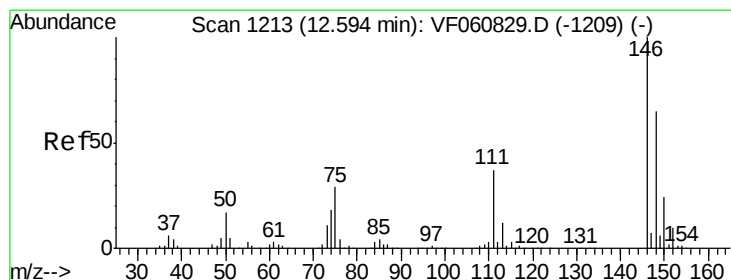
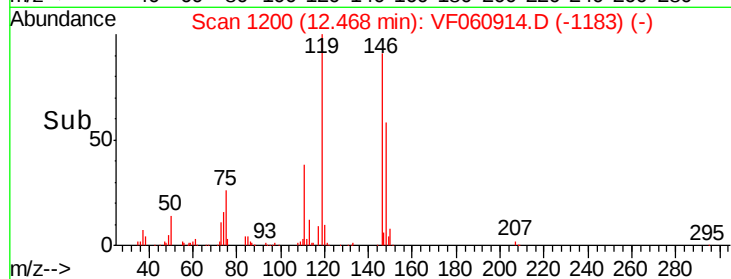
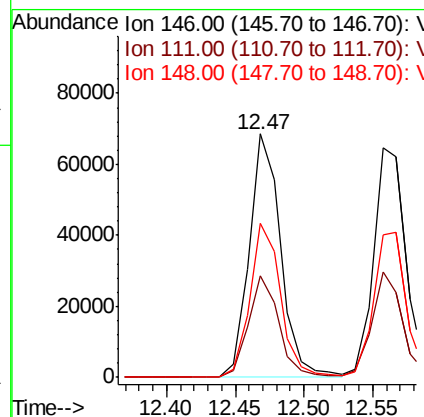
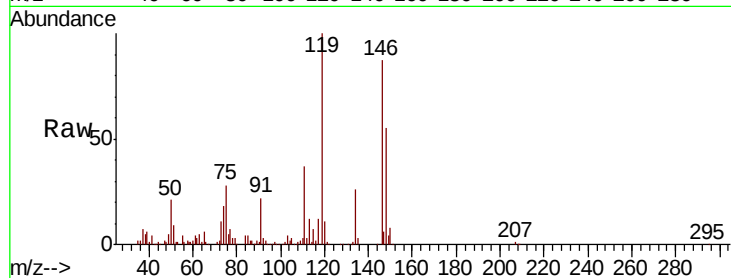




#87
 1,3-Dichlorobenzene
 Concen: 21.473 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.04 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

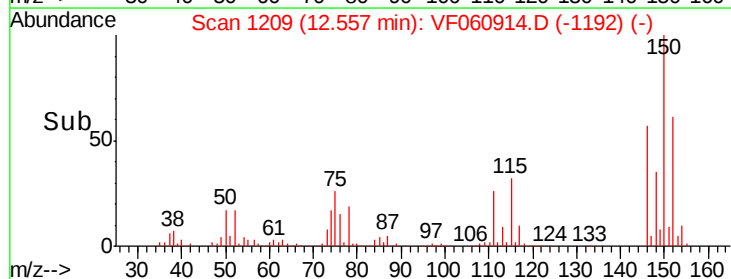
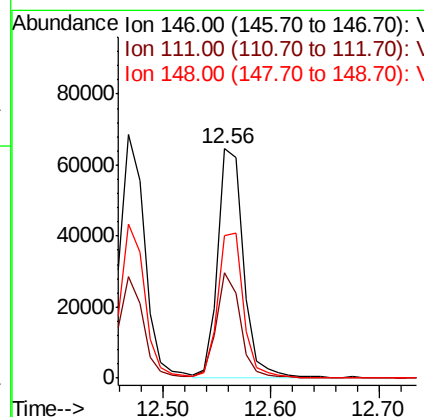
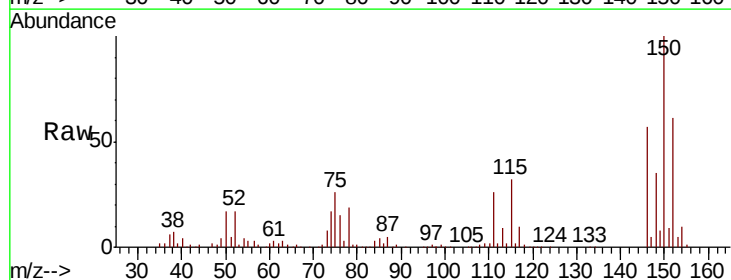
Instrument :
 MSVOA_F
 ClientSampled :

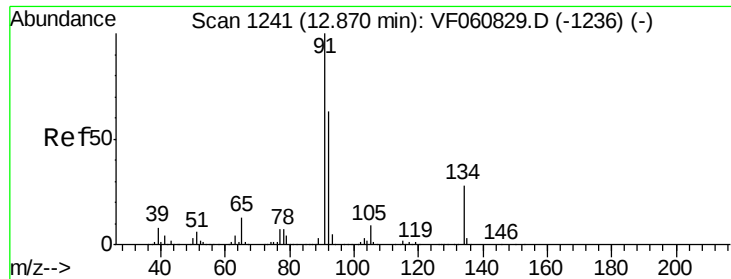
Tot Ion:146 Resp: 109716
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.0 59.9
 148 63.5 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 21.432 ug/l
 RT: 12.56 min Scan# 1209
 Delta R.T. -0.04 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

Tgt Ion:146 Resp: 106718
 Ion Ratio Lower Upper
 146 100
 111 46.0 18.9 56.7
 148 61.9 32.3 96.9





#89

n-Butylbenzene

Concen: 23.191 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.03 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

ClientSampled :

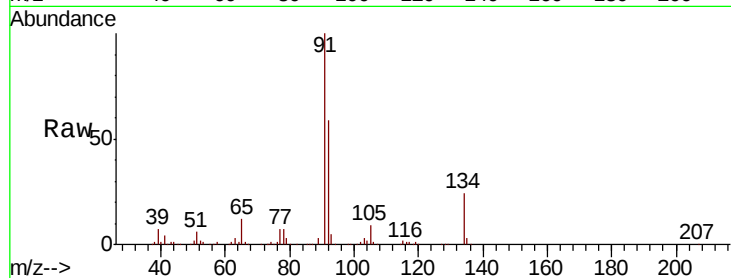
Tot Ion: 91 Resp: 272687

Ion Ratio Lower Upper

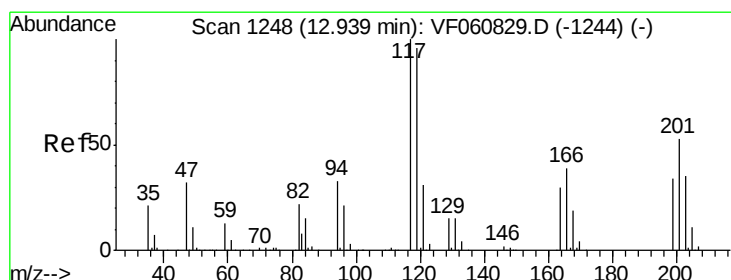
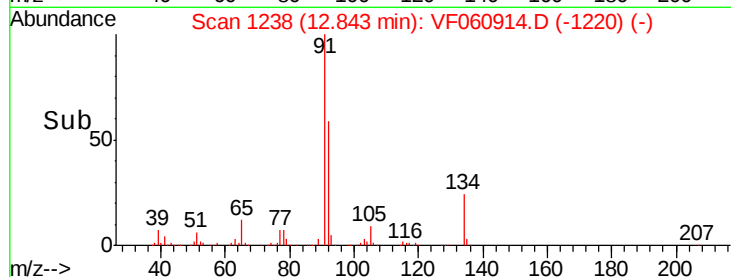
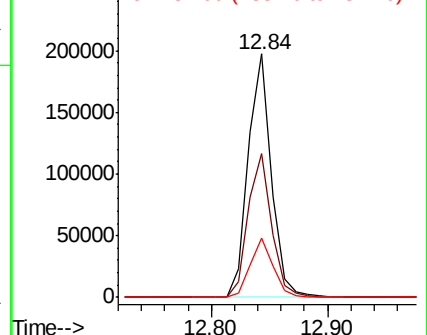
91 100

92 59.1 31.6 94.7

134 24.1 13.8 41.4



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



#90

Hexachloroethane

Concen: 22.618 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. -0.03 min

Lab File: VF060914.D

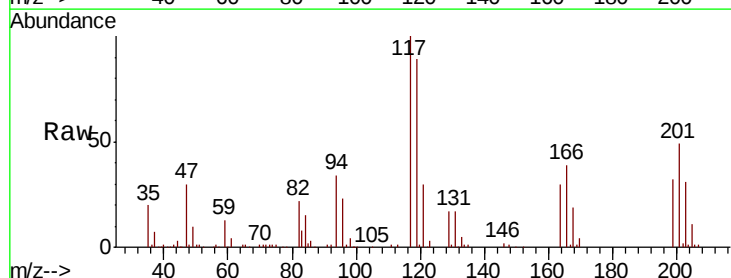
Acq: 6 Dec 2018 13:45

Tgt Ion: 117 Resp: 63334

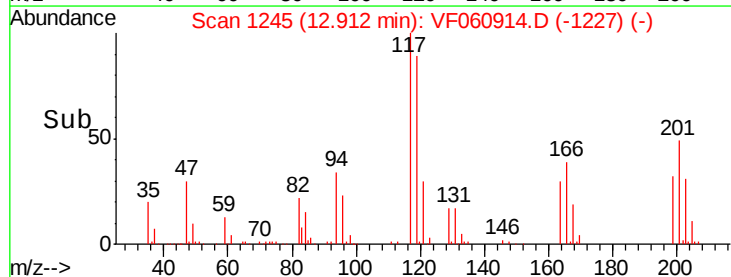
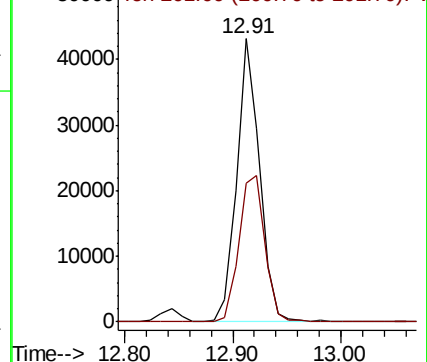
Ion Ratio Lower Upper

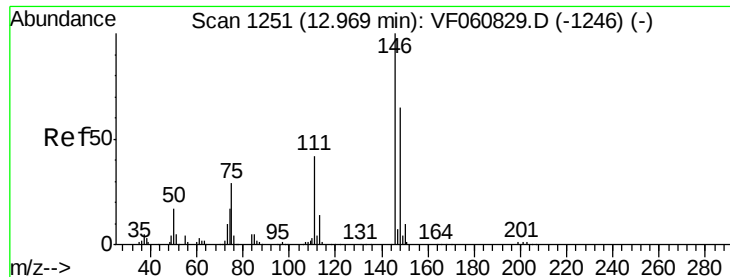
117 100

201 49.2 26.7 80.1



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 201.00 (200.70 to 201.70): V

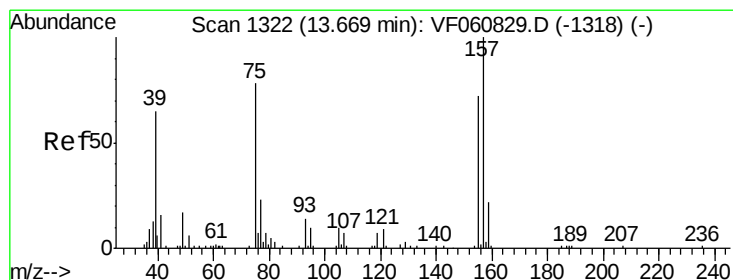
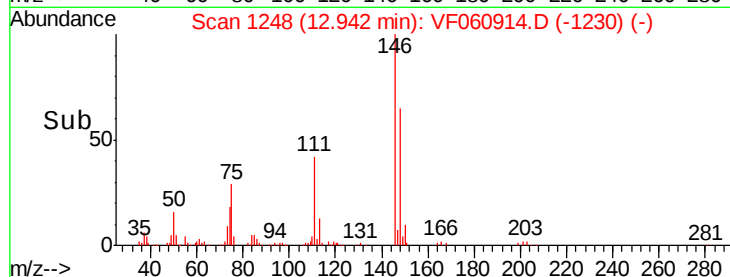
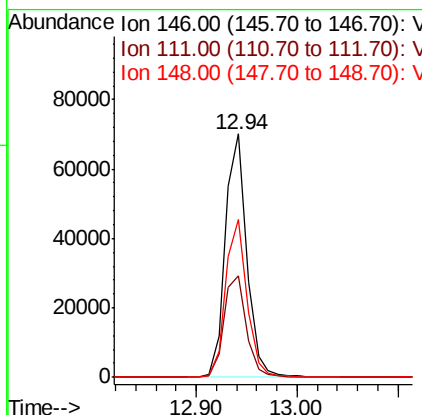
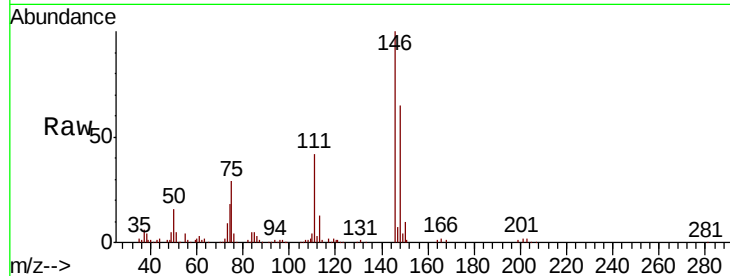




#91
 1,2-Dichlorobenzene
 Concen: 21.483 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.03 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

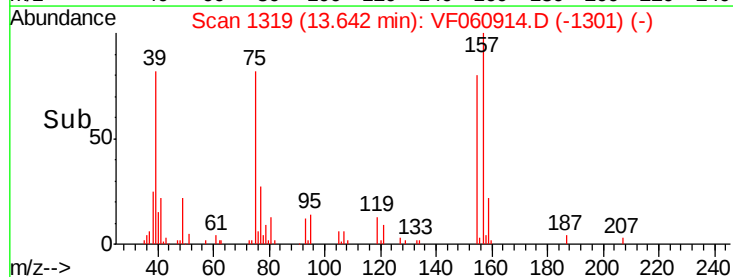
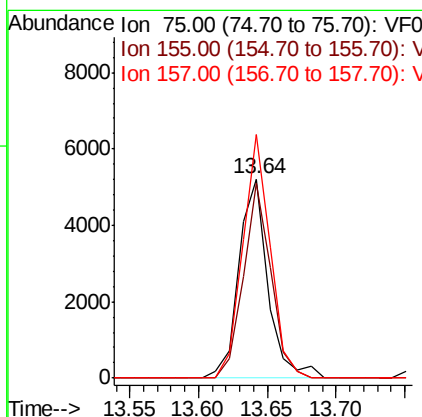
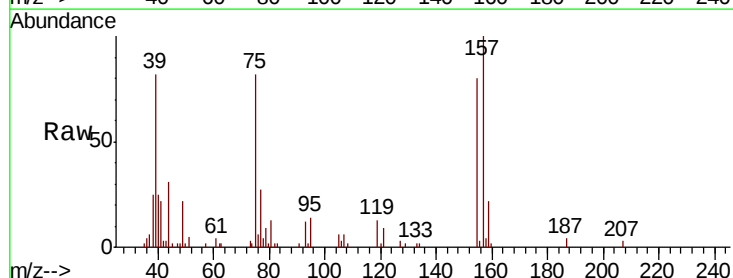
Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.2	63.6
148	64.6	32.5	97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.764 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.03 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.2	45.6	136.9
157	122.3	63.8	191.5

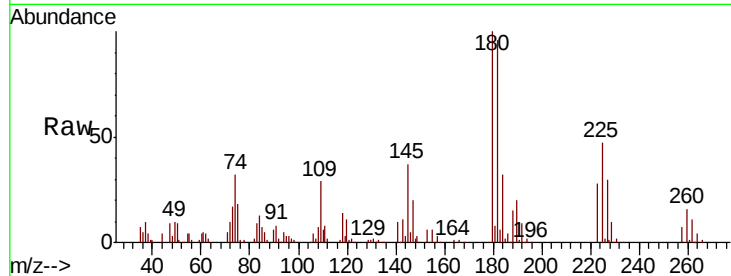




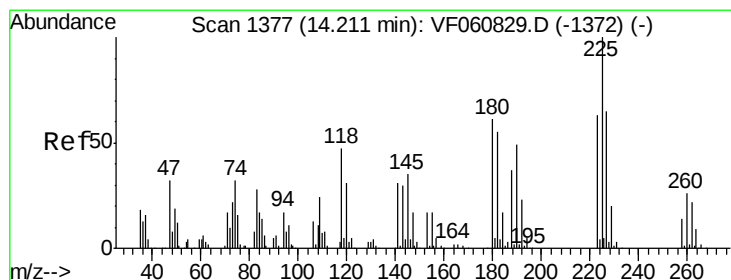
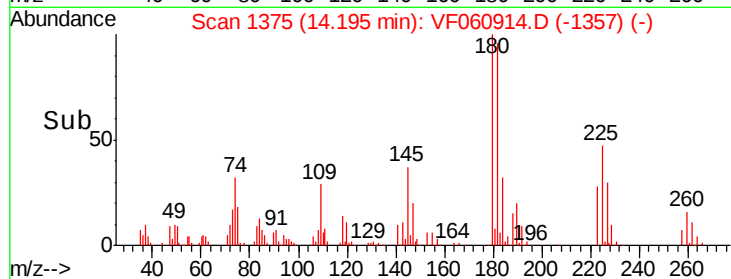
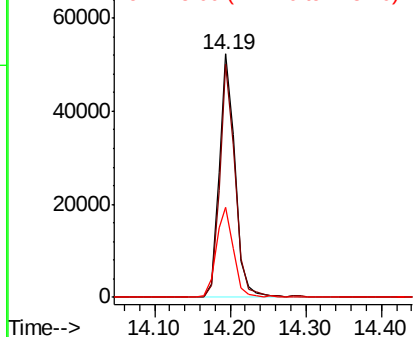
#93
 1,2,4-Trichlorobenzene
 Concen: 22.887 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.03 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 77378
 Ion Ratio Lower Upper
 180 100
 182 95.9 48.5 145.5
 145 37.2 18.1 54.3

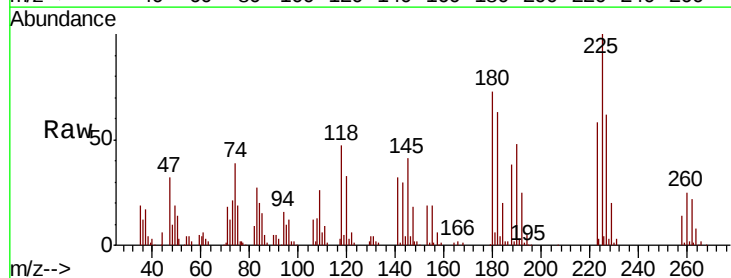


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

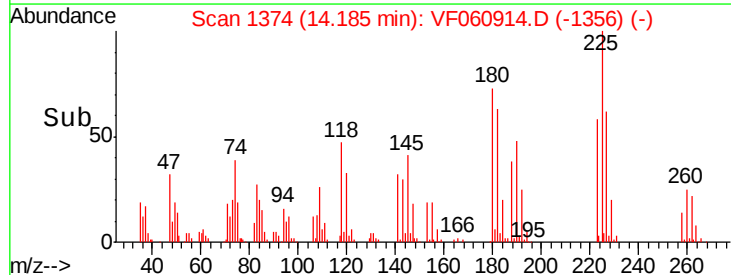
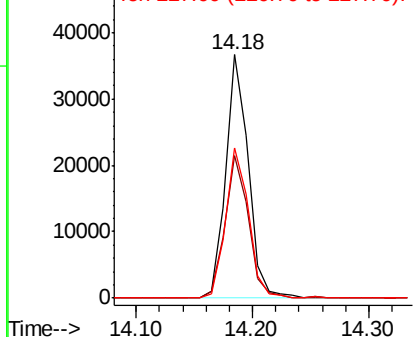


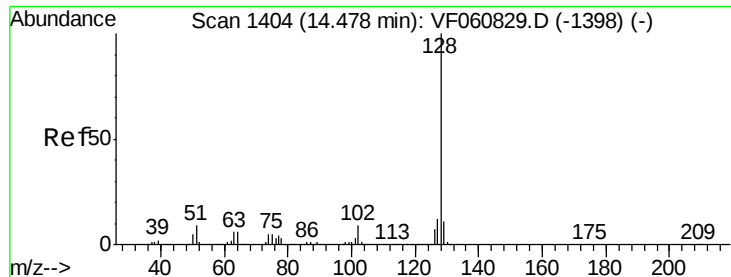
#94
 Hexachlorobutadiene
 Concen: 21.838 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.03 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

Tgt Ion:225 Resp: 49217
 Ion Ratio Lower Upper
 225 100
 223 58.3 31.4 94.3
 227 61.5 32.5 97.5



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: 18.201 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.03 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

ClientSampleId :

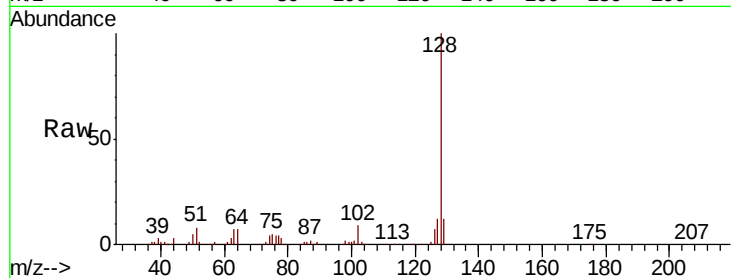
Tot Ion:128 Resp: 134037

Ion Ratio Lower Upper

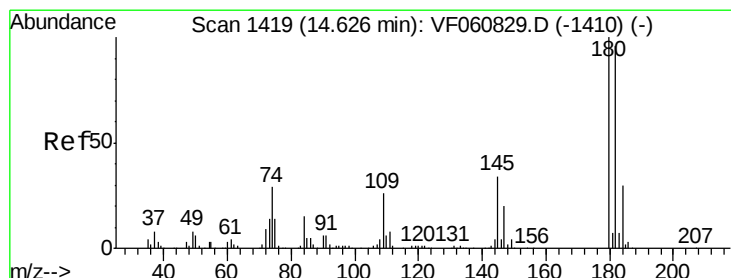
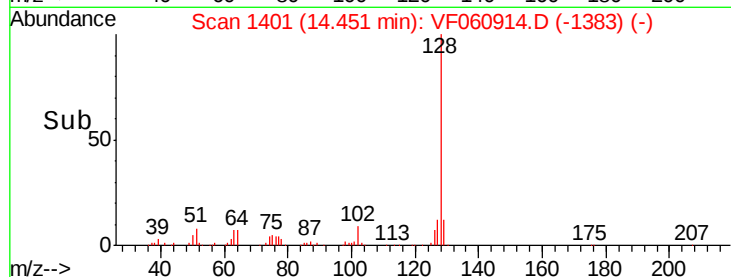
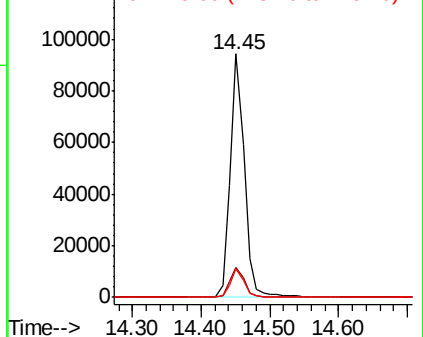
128 100

127 12.3 9.9 14.9

129 11.7 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.976 ug/l

RT: 14.60 min Scan# 1416

Delta R.T. -0.03 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

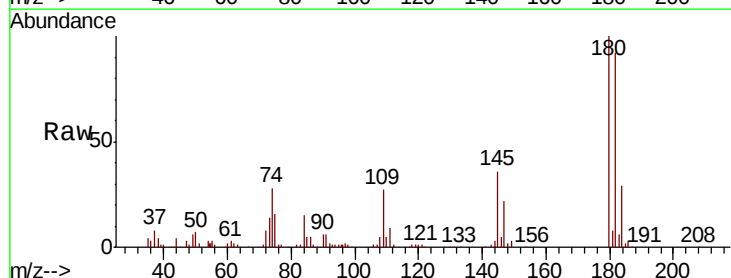
Tgt Ion:180 Resp: 68986

Ion Ratio Lower Upper

180 100

182 91.8 47.9 143.8

145 36.4 17.2 51.5



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

