

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112618\
 Data File : VF060833.D
 Acq On : 26 Nov 2018 20:26
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF112618

Quant Time: Nov 27 02:08:49 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	4.91	168	206303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.64	114	327576	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.82	117	325604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.58	152	158999	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.89	65	126466	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
35) Dibromofluoromethane	4.16	113	133722	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
50) Toluene-d8	7.59	98	421426	55.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.10%	
62) 4-Bromofluorobenzene	11.44	95	187959	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.97	85	139059	45.081	ug/l	100
3) Chloromethane	1.11	50	95324	47.490	ug/l	99
4) Vinyl Chloride	1.15	62	90147	48.148	ug/l	98
5) Bromomethane	1.34	94	65611	49.697	ug/l	90
6) Chloroethane	1.39	64	40718	50.310	ug/l	90
7) Trichlorofluoromethane	1.51	101	193009	48.046	ug/l	96
8) Diethyl Ether	1.64	74	26124	45.223	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.84	101	96061	47.300	ug/l	95
10) Methyl Iodide	1.91	142	154149	49.936	ug/l	98
11) Tert butyl alcohol	2.60	59	23467	235.554	ug/l	96
12) 1,1-Dichloroethene	1.80	96	74163	45.401	ug/l	95
13) Acrolein	2.02	56	23491	248.869	ug/l	92
14) Allyl chloride	2.12	41	109341	53.703	ug/l	96
15) Acrylonitrile	2.98	53	56529	253.095	ug/l	91
16) Acetone	2.25	43	102879	229.556	ug/l	# 92
17) Carbon Disulfide	1.85	76	208979	47.713	ug/l	97
18) Methyl Acetate	2.36	43	38907	51.806	ug/l	93
19) Methyl tert-butyl Ether	2.45	73	183035	49.749	ug/l	99
20) Methylene Chloride	2.25	84	47451	28.861	ug/l	91
21) trans-1,2-Dichloroethene	2.33	96	78112	49.600	ug/l	97
22) Diisopropyl ether	2.83	45	273392	49.330	ug/l	98
23) Vinyl Acetate	3.22	43	670230	264.564	ug/l	97
24) 1,1-Dichloroethane	2.90	63	165092	50.068	ug/l	97
25) 2-Butanone	4.38	43	181373	233.979	ug/l	94
26) 2,2-Dichloropropane	3.64	77	98563	46.107	ug/l	98
27) cis-1,2-Dichloroethene	3.51	96	119953	46.786	ug/l	95
28) Bromochloromethane	3.75	49	77893	49.223	ug/l	97
29) Tetrahydrofuran	4.11	42	70219	213.703	ug/l	95
30) Chloroform	3.89	83	228497	45.026	ug/l	95
31) Cyclohexane	3.73	56	160097	46.784	ug/l	97
32) 1,1,1-Trichloroethane	4.14	97	171280	48.666	ug/l	95
36) 1,1-Dichloropropene	4.33	75	173245	47.682	ug/l	98
37) Ethyl Acetate	4.15	43	69792	47.268	ug/l	# 81
38) Carbon Tetrachloride	4.03	117	154453	48.129	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	187398	49.216	ug/l	98
40) Benzene	4.67	78	366914	45.711	ug/l	98
41) Methacrylonitrile	4.78	41	42115	55.519	ug/l #	91
42) 1,2-Dichloroethane	4.99	62	138990	47.430	ug/l	99
43) Isopropyl Acetate	7.00	43	95127	52.345	ug/l	97
44) Trichloroethene	5.55	130	116902	44.542	ug/l	99
45) 1,2-Dichloropropane	6.28	63	108328	51.964	ug/l	97
46) Dibromomethane	6.13	93	71374	50.470	ug/l	96
47) Bromodichloromethane	6.43	83	183636	48.891	ug/l	97
48) Methyl methacrylate	6.75	41	67775	50.711	ug/l	96
49) 1,4-Dioxane	6.73	88	9494	970.620	ug/l #	80
51) 4-Methyl-2-Pentanone	8.29	43	329108	241.712	ug/l	95
52) Toluene	7.67	92	262314	46.525	ug/l	98
53) t-1,3-Dichloropropene	8.32	75	148297	48.539	ug/l	96
54) cis-1,3-Dichloropropene	7.34	75	192327	50.849	ug/l	98
55) 1,1,2-Trichloroethane	8.53	97	82663	50.316	ug/l	98
56) Ethyl methacrylate	8.66	69	92654	50.768	ug/l	98
57) 1,3-Dichloropropane	8.89	76	143627	49.969	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.34	63	46289	247.965	ug/l	96
59) 2-Hexanone	9.52	43	248022	259.647	ug/l	99
60) Dibromochloromethane	8.76	129	116199	47.470	ug/l	93
61) 1,2-Dibromoethane	9.02	107	90951	51.246	ug/l	98
64) Tetrachloroethene	8.19	164	117632	47.299	ug/l	95
65) Chlorobenzene	9.84	112	308431	48.693	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.97	131	124463	45.706	ug/l	97
67) Ethyl Benzene	9.94	91	574258	48.697	ug/l	98
68) m/p-Xylenes	10.17	106	389944	91.940	ug/l	99
69) o-Xylene	10.75	106	228980	48.960	ug/l	95
70) Styrene	10.83	104	302048	46.590	ug/l	99
71) Bromoform	10.81	173	61718	46.922	ug/l #	95
73) Isopropylbenzene	11.15	105	633642	50.429	ug/l	98
74) N-amyl acetate	11.40	43	163088	56.209	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.72	83	107489	51.979	ug/l	96
76) 1,2,3-Trichloropropane	11.82	75	78106	51.963	ug/l	89
77) Bromobenzene	11.53	156	136409	49.518	ug/l	90
78) n-propylbenzene	11.63	91	745715	50.679	ug/l	95
79) 2-Chlorotoluene	11.75	91	430667	51.044	ug/l	96
80) 1,3,5-Trimethylbenzene	11.85	105	498511	48.872	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.90	75	48218	65.473	ug/l	88
82) 4-Chlorotoluene	11.93	91	430512	48.486	ug/l	93
83) tert-Butylbenzene	12.16	119	497964	47.925	ug/l	99
84) 1,2,4-Trimethylbenzene	12.23	105	490438	48.175	ug/l	98
85) sec-Butylbenzene	12.34	105	715067	50.272	ug/l	96
86) p-Isopropyltoluene	12.48	119	584161	48.985	ug/l	98
87) 1,3-Dichlorobenzene	12.50	146	253377	48.355	ug/l	98
88) 1,4-Dichlorobenzene	12.59	146	251190	49.191	ug/l	97
89) n-Butylbenzene	12.87	91	568017	47.106	ug/l	96
90) Hexachloroethane	12.95	117	145792	50.770	ug/l	82
91) 1,2-Dichlorobenzene	12.97	146	240801	48.528	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.67	75	19815	49.561	ug/l	86

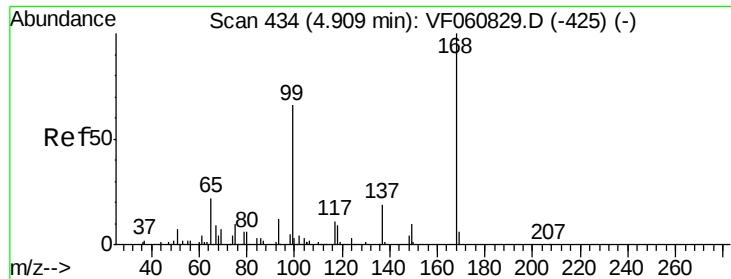
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF112618\
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QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	179189	51.682	ug/l	97
94) Hexachlorobutadiene	14.22	225	119182	51.565	ug/l	98
95) Naphthalene	14.49	128	368690	55.147	ug/l	98
96) 1,2,3-Trichlorobenzene	14.62	180	171394	53.239	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.91 min Scan# 434

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

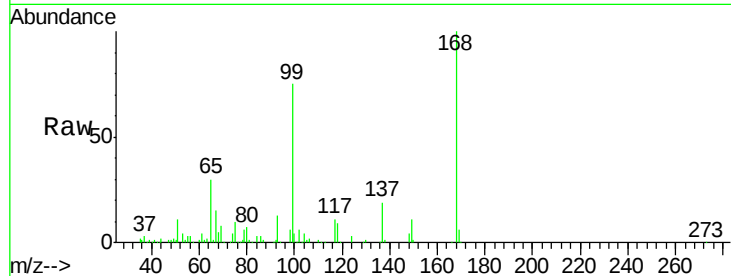
ICVVF112618

Tgt Ion:168 Resp: 206303

Ion Ratio Lower Upper

168 100

99 74.9 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.91

60000

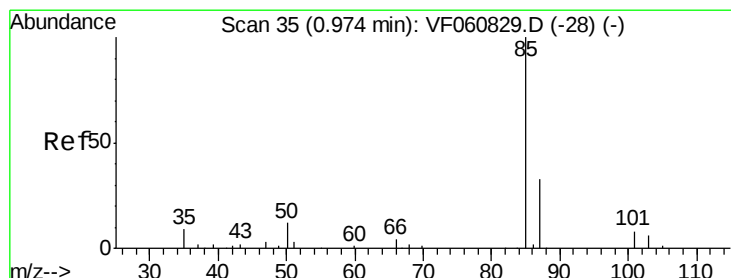
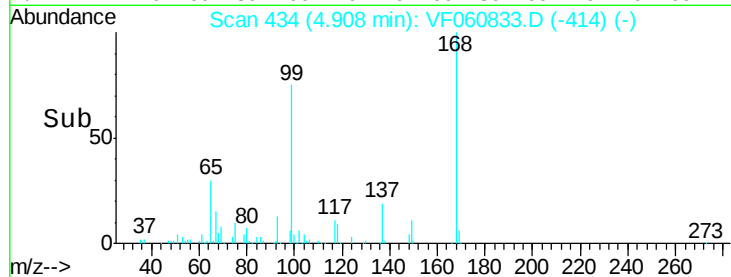
40000

20000

0

Time-->

4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 45.081 ug/l

RT: 0.97 min Scan# 35

Delta R.T. -0.00 min

Lab File: VF060833.D

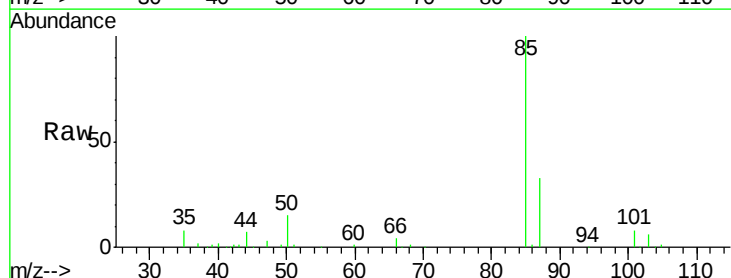
Acq: 26 Nov 2018 20:26

Tgt Ion: 85 Resp: 139059

Ion Ratio Lower Upper

85 100

87 33.2 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

40000

30000

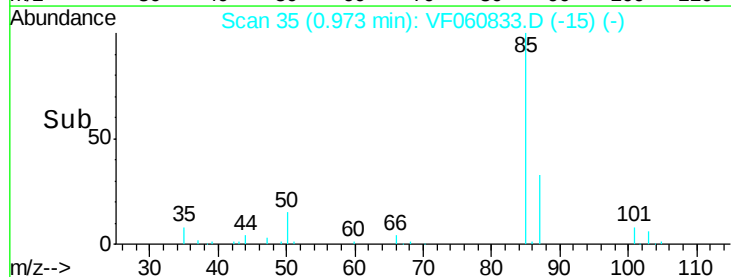
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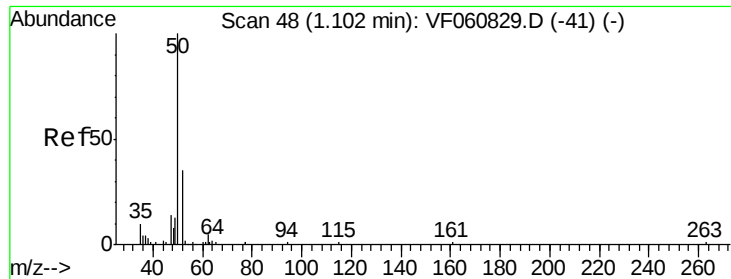
10000

0

Time-->

0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 47.490 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

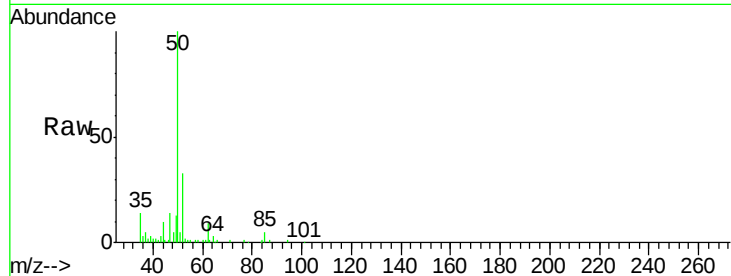
ICVVF112618

Tgt Ion: 50 Resp: 95324

Ion Ratio Lower Upper

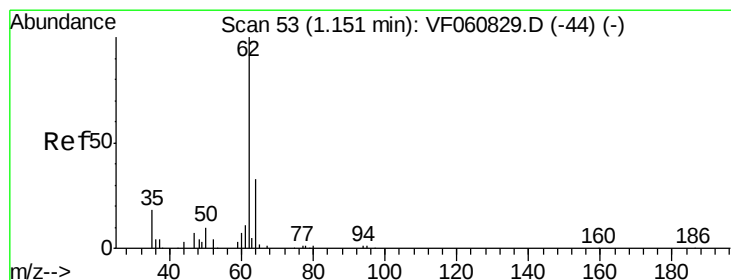
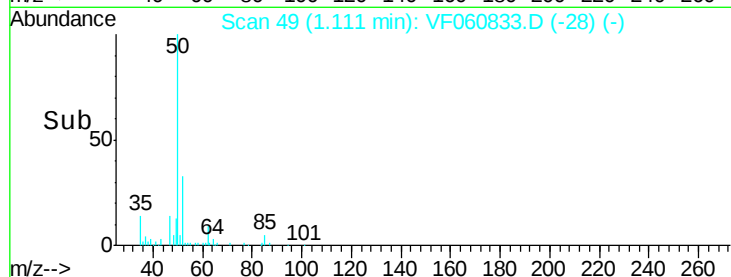
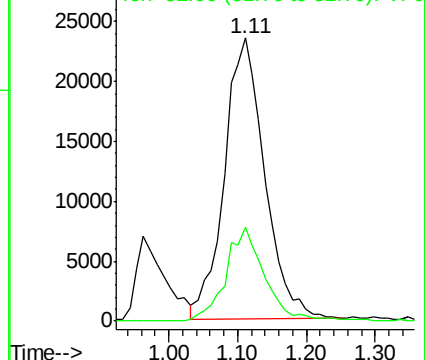
50 100

52 33.2 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: 48.148 ug/l

RT: 1.15 min Scan# 53

Delta R.T. -0.00 min

Lab File: VF060833.D

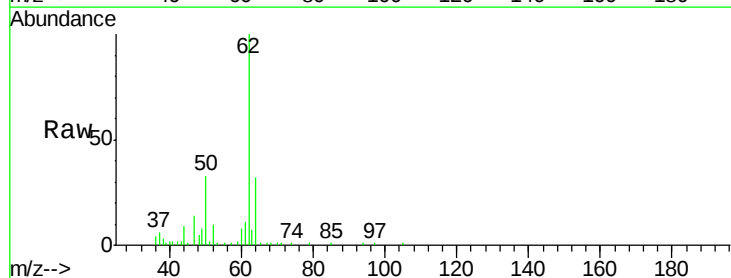
Acq: 26 Nov 2018 20:26

Tgt Ion: 62 Resp: 90147

Ion Ratio Lower Upper

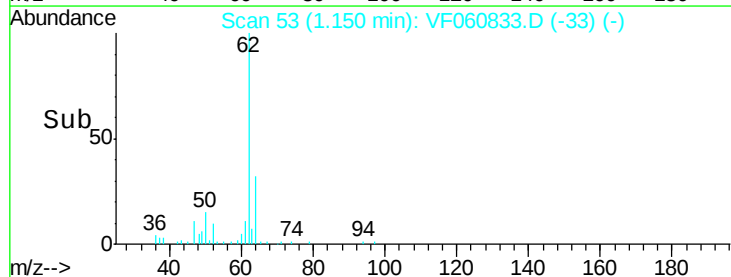
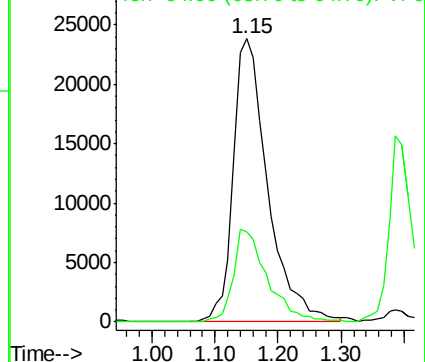
62 100

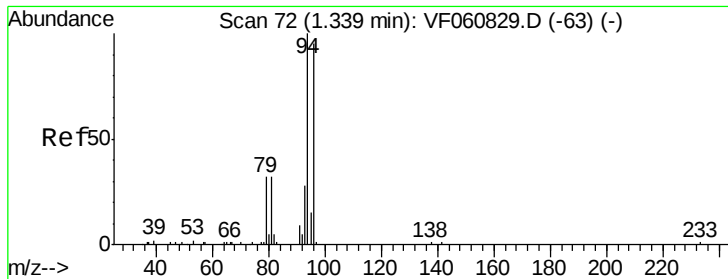
64 31.8 26.4 39.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 49.697 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

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ClientSampleId :

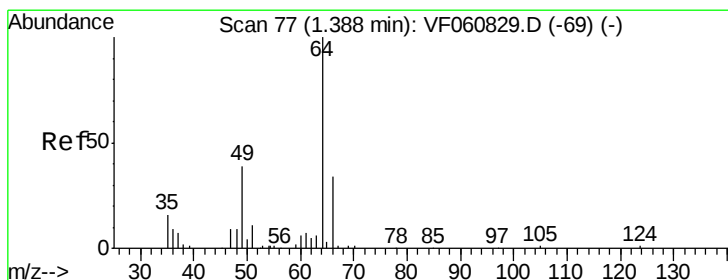
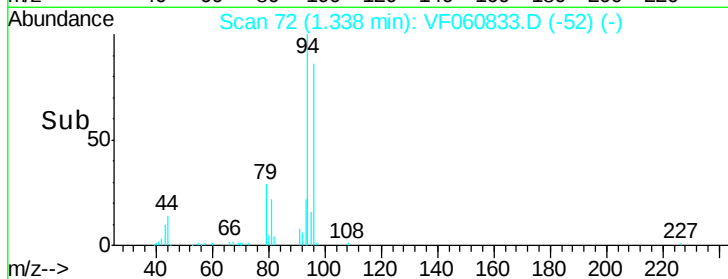
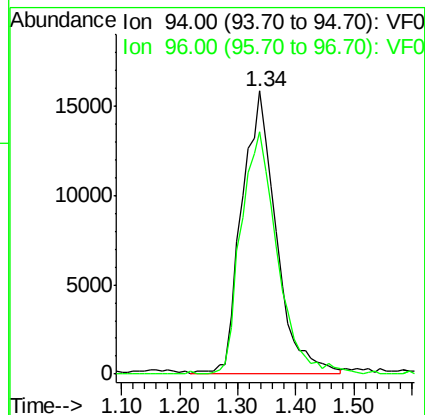
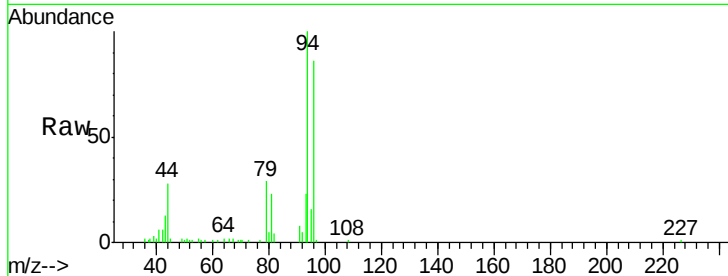
ICVVF112618

Tgt Ion: 94 Resp: 65611

Ion Ratio Lower Upper

94 100

96 85.5 75.9 113.9



#6

Chloroethane

Concen: 50.310 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF060833.D

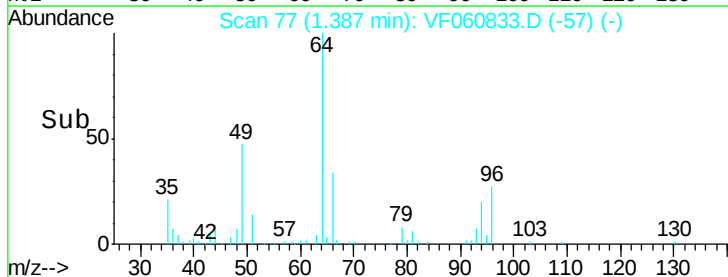
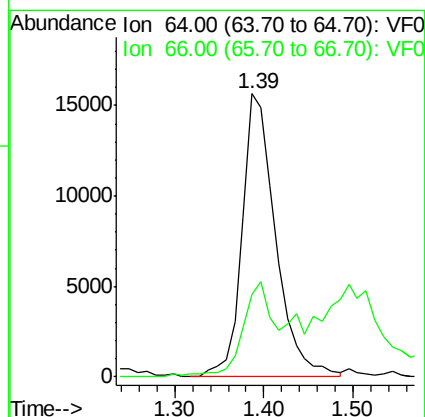
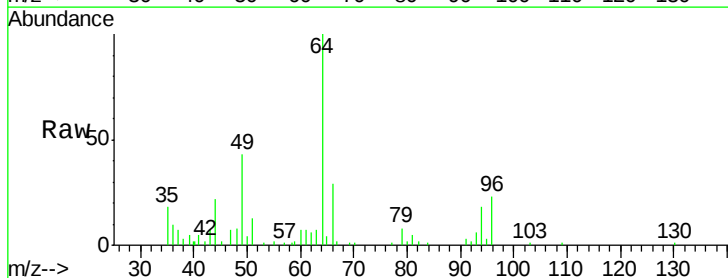
Acq: 26 Nov 2018 20:26

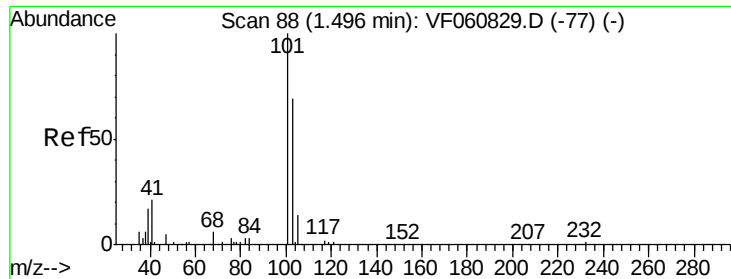
Tgt Ion: 64 Resp: 40718

Ion Ratio Lower Upper

64 100

66 29.2 28.1 42.1





#7

Trichlorofluoromethane

Concen: 48.046 ug/l

RT: 1.51 min Scan# 89

Delta R.T. 0.01 min

Lab File: VF060833.D

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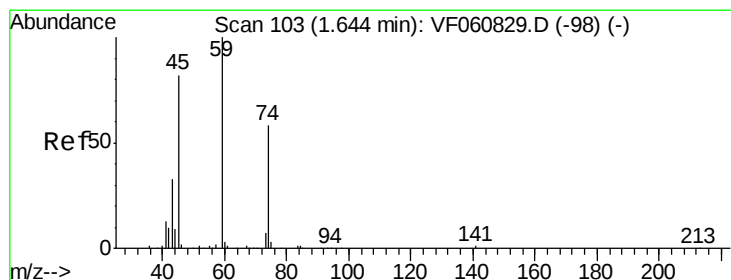
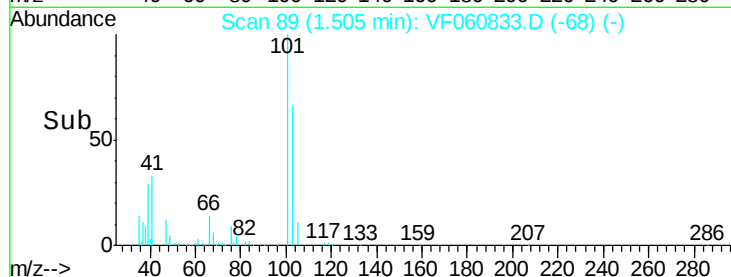
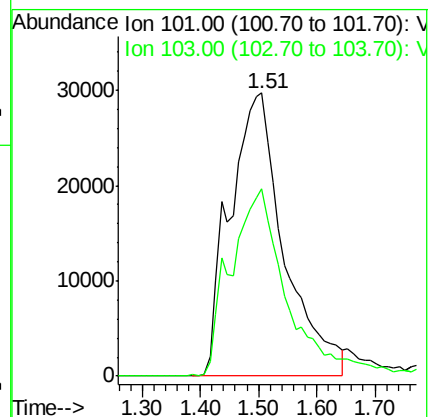
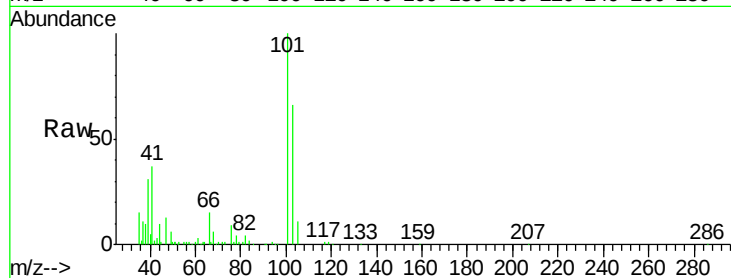
ICVVF112618

Tgt Ion:101 Resp: 193009

Ion Ratio Lower Upper

101 100

103 66.2 55.4 83.0



#8

Diethyl Ether

Concen: 45.223 ug/l

RT: 1.64 min Scan# 103

Delta R.T. -0.00 min

Lab File: VF060833.D

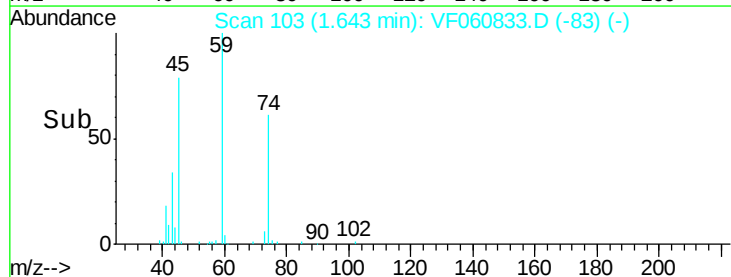
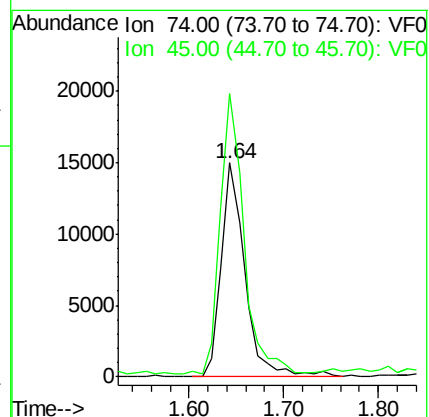
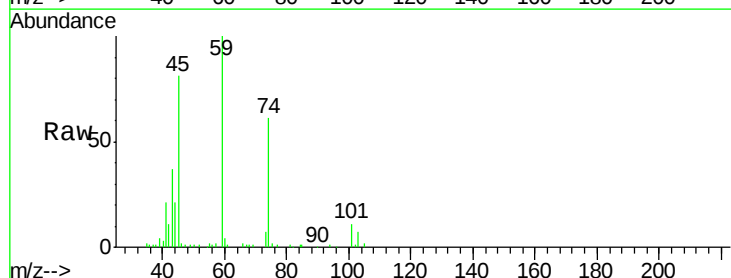
Acq: 26 Nov 2018 20:26

Tgt Ion: 74 Resp: 26124

Ion Ratio Lower Upper

74 100

45 132.3 71.0 212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.300 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

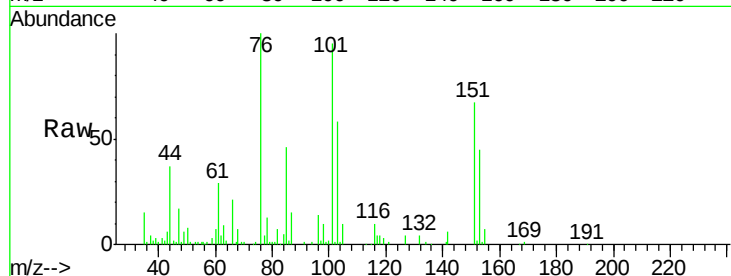
Tgt Ion:101 Resp: 96061

Ion Ratio Lower Upper

101 100

85 48.4 42.8 64.2

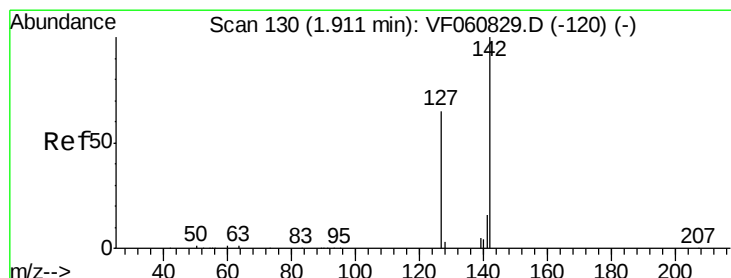
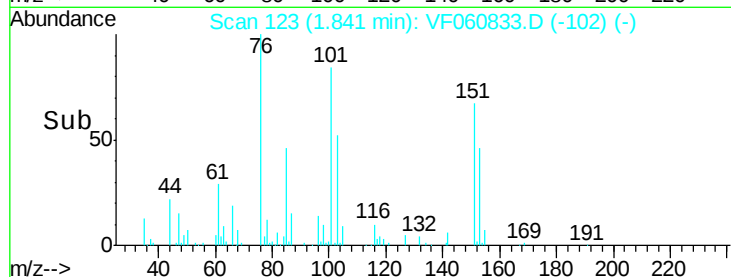
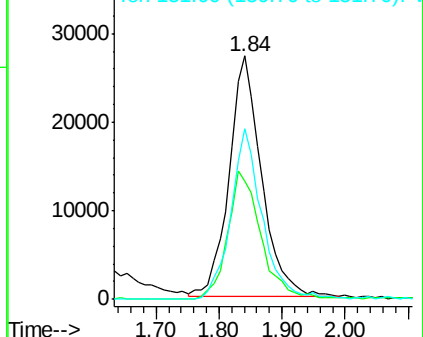
151 70.3 54.4 81.6



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: 49.936 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

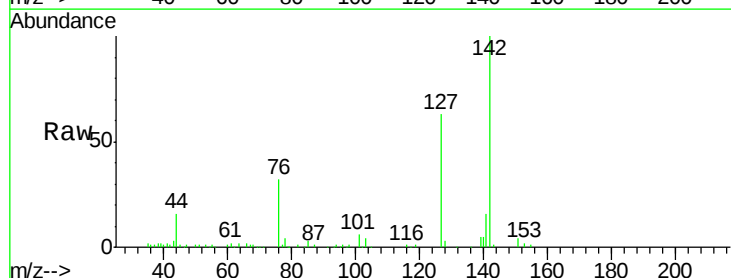
Tgt Ion:142 Resp: 154149

Ion Ratio Lower Upper

142 100

127 63.4 51.9 77.9

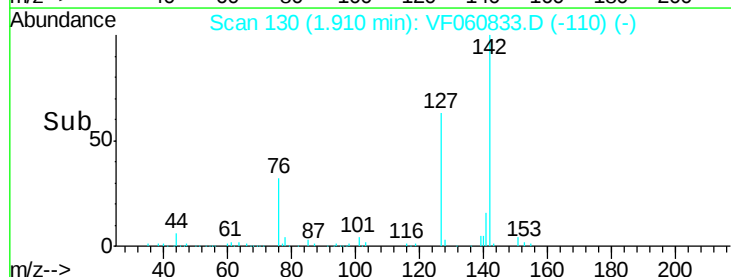
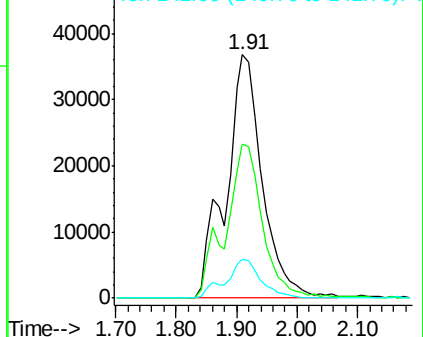
141 16.0 12.7 19.1

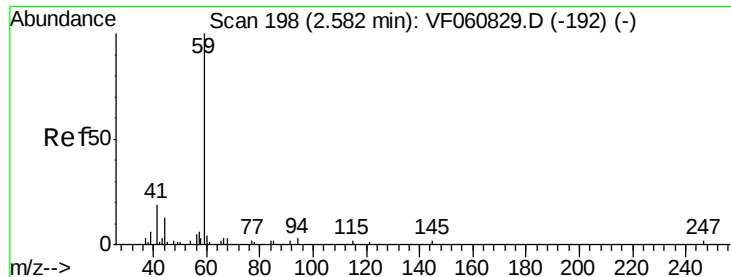


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

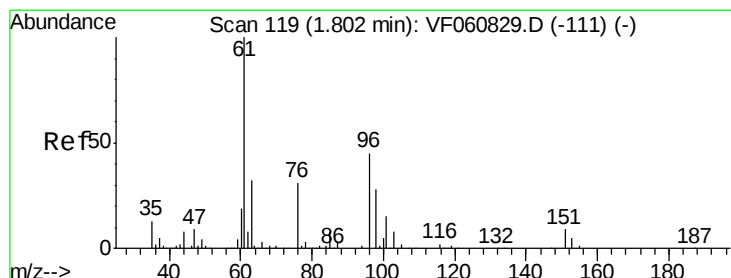
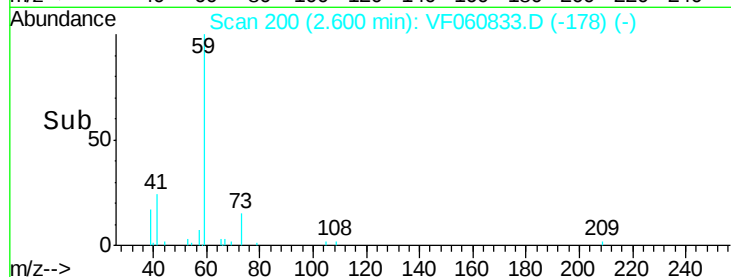
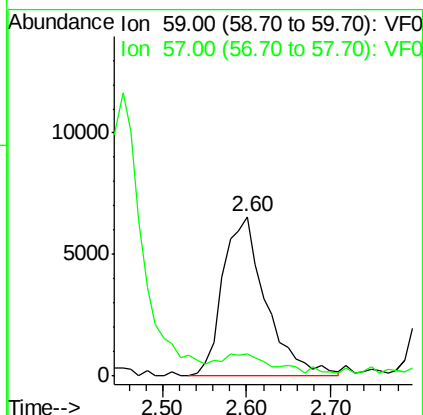
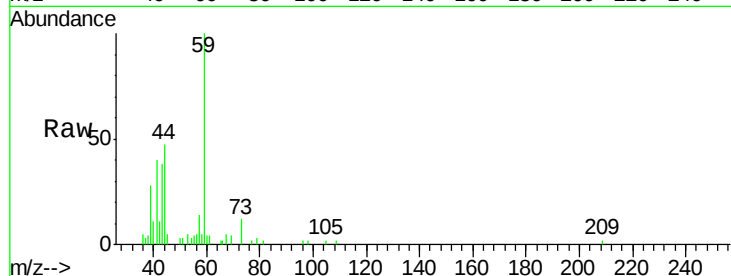




#11
Tert butyl alcohol
Concen: 235.554 ug/l
RT: 2.60 min Scan# 200
Delta R.T. 0.02 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

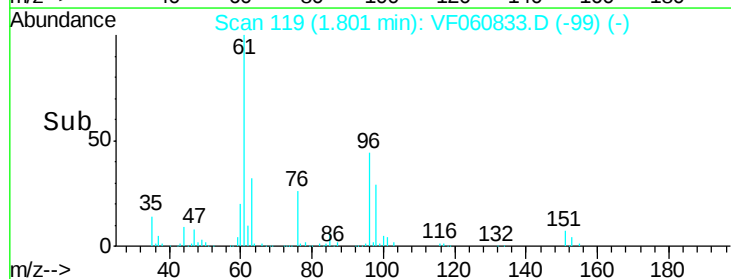
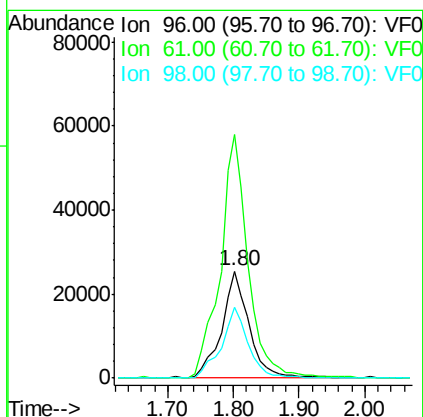
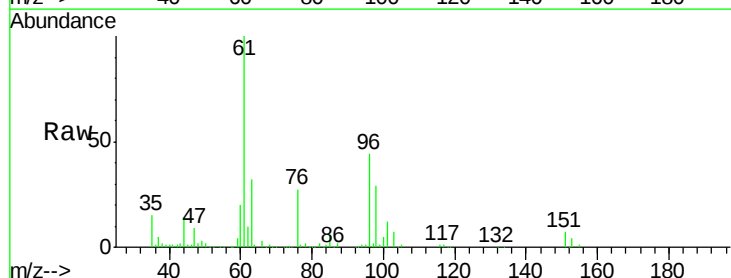
Instrument :
MSVOA_F
ClientSampleId :
ICVVF112618

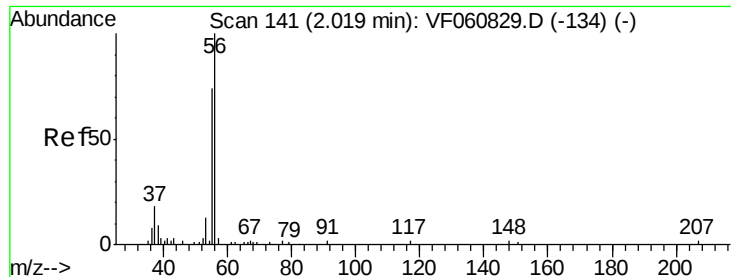
Tgt Ion: 59 Resp: 23467
Ion Ratio Lower Upper
59 100
57 14.2 12.7 19.1



#12
1,1-Dichloroethene
Concen: 45.401 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Tgt Ion: 96 Resp: 74163
Ion Ratio Lower Upper
96 100
61 228.1 177.3 265.9
98 66.9 49.6 74.4





#13

Acrolein

Concen: 248.869 ug/l

RT: 2.02 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

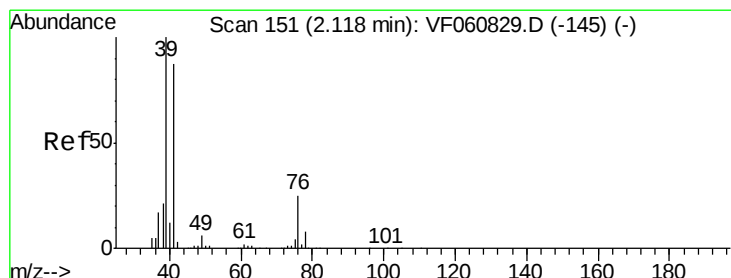
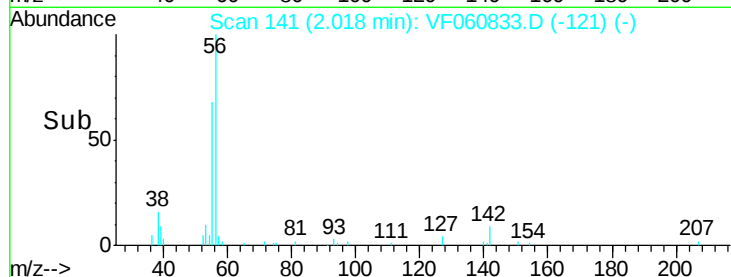
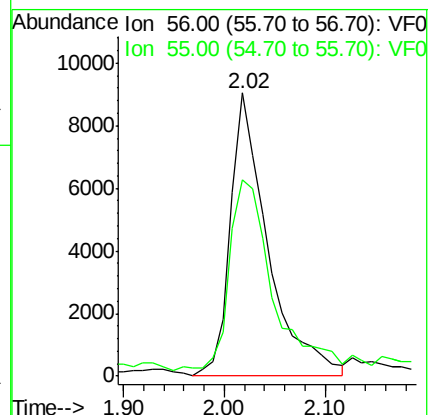
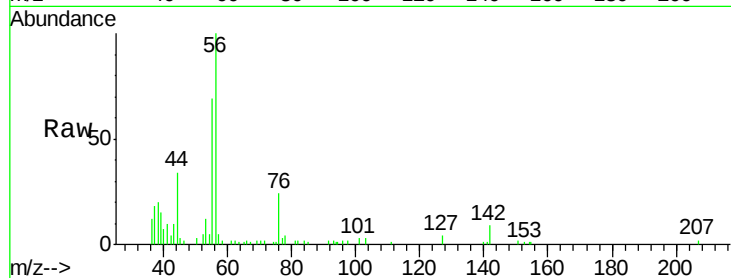
ICVVF112618

Tgt Ion: 56 Resp: 23491

Ion Ratio Lower Upper

56 100

55 69.3 61.2 91.8



#14

Allyl chloride

Concen: 53.703 ug/l

RT: 2.12 min Scan# 151

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

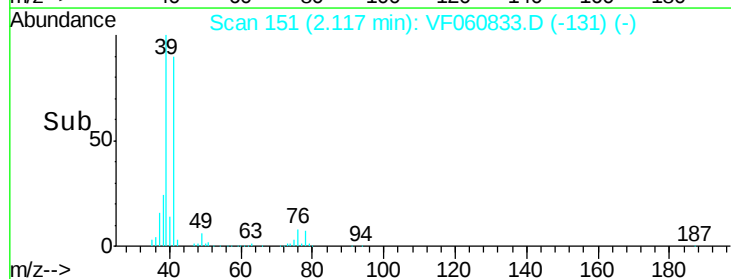
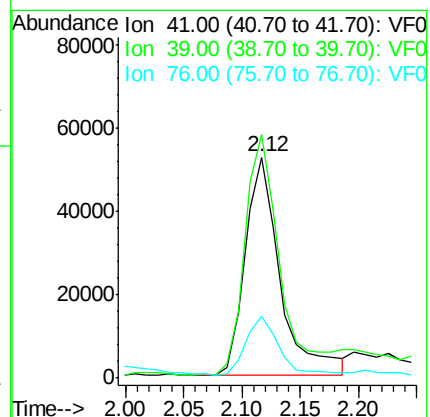
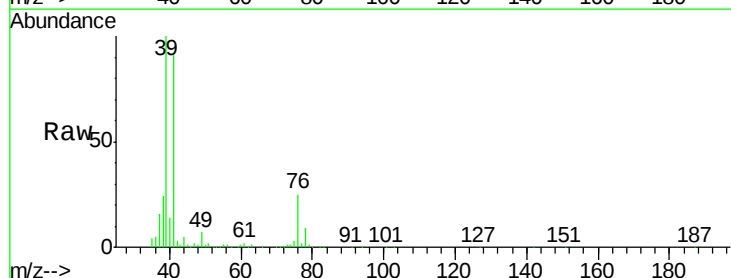
Tgt Ion: 41 Resp: 109341

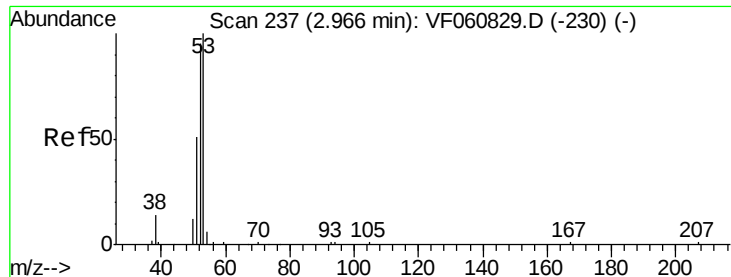
Ion Ratio Lower Upper

41 100

39 110.1 91.7 137.5

76 27.8 23.5 35.3





#15

Acrylonitrile

Concen: 253.095 ug/l

RT: 2.98 min Scan# 238

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

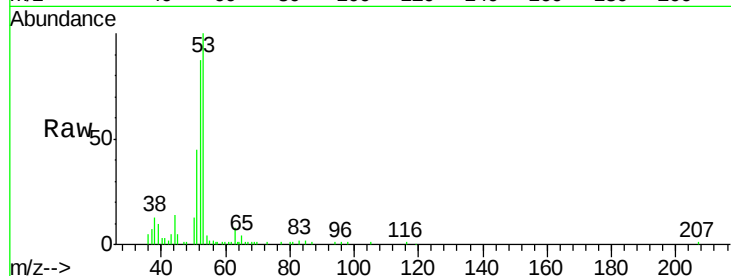
Tgt Ion: 53 Resp: 56529

Ion Ratio Lower Upper

53 100

52 86.8 76.5 114.7

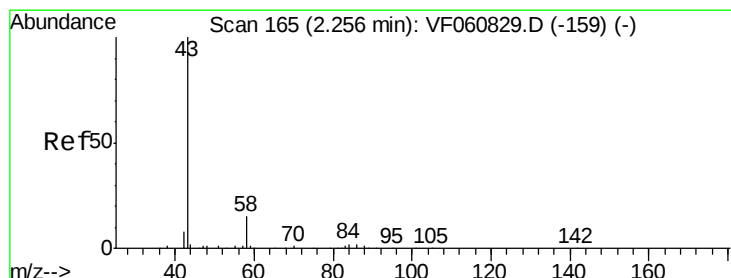
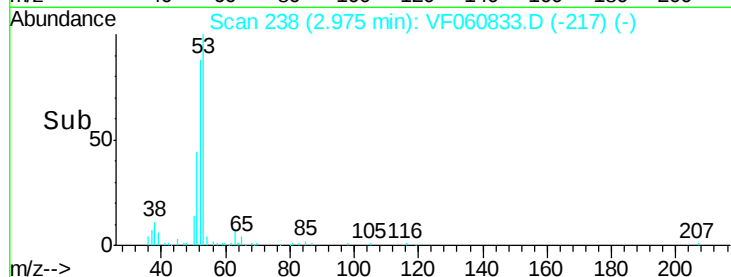
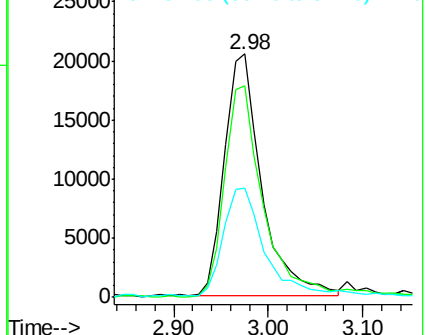
51 44.6 40.7 61.1



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: 229.556 ug/l

RT: 2.25 min Scan# 165

Delta R.T. -0.00 min

Lab File: VF060833.D

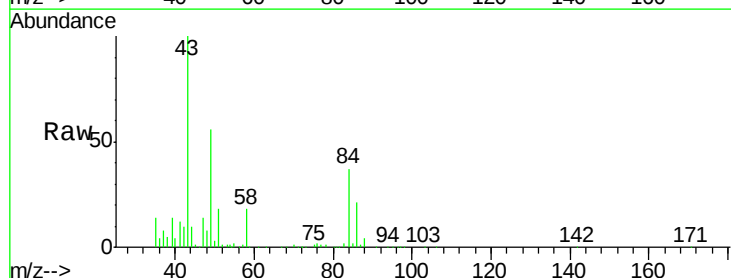
Acq: 26 Nov 2018 20:26

Tgt Ion: 43 Resp: 102879

Ion Ratio Lower Upper

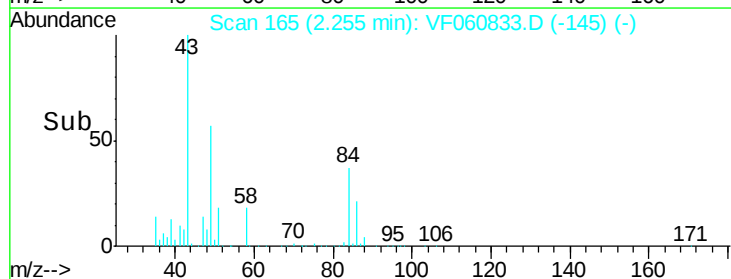
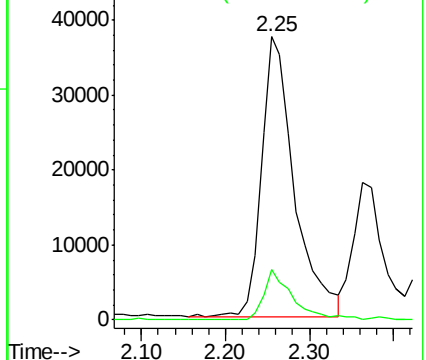
43 100

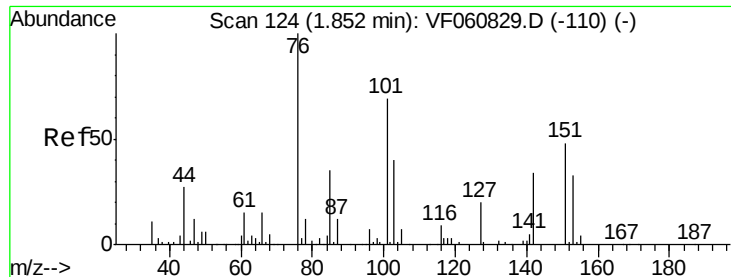
58 17.7 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

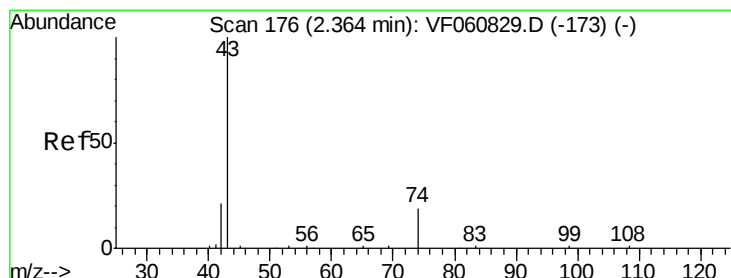
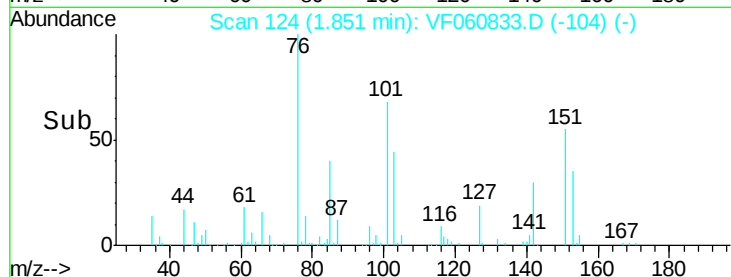
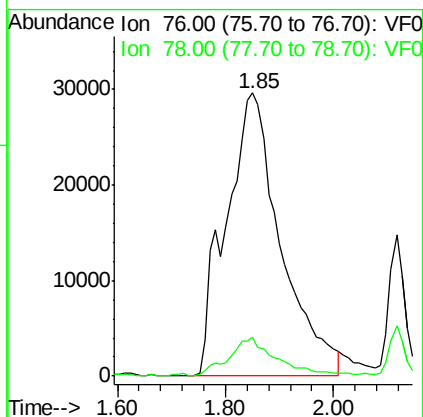
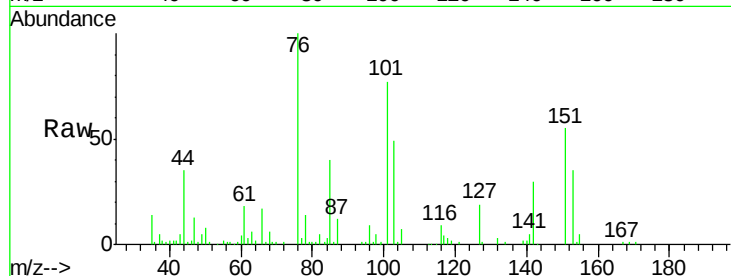




#17
Carbon Disulfide
Concen: 47.713 ug/l
RT: 1.85 min Scan# 124
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

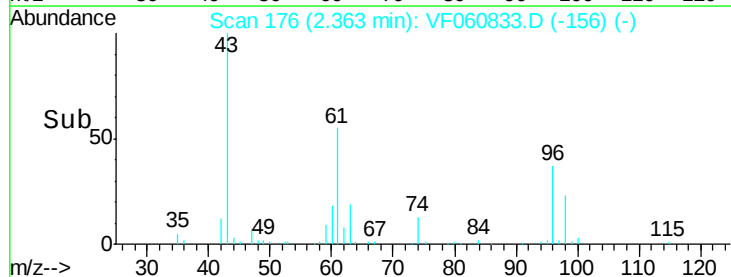
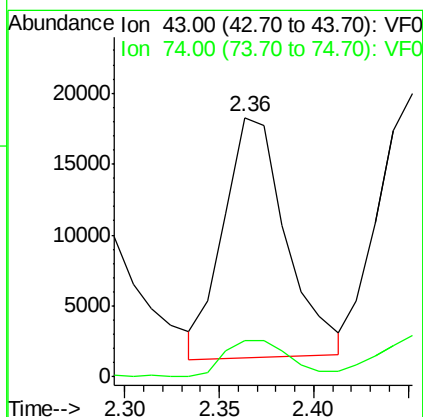
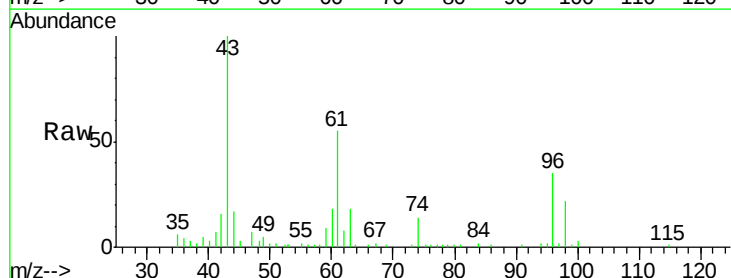
Instrument :
MSVOA_F
ClientSampleId :
ICVVF112618

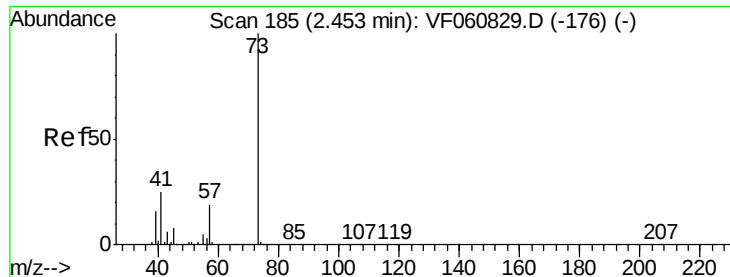
Tgt Ion: 76 Resp: 208979
Ion Ratio Lower Upper
76 100
78 13.8 10.2 15.2



#18
Methyl Acetate
Concen: 51.806 ug/l
RT: 2.36 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Tgt Ion: 43 Resp: 38907
Ion Ratio Lower Upper
43 100
74 13.8 13.3 19.9

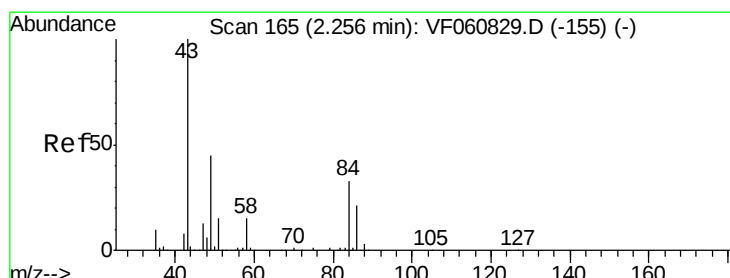
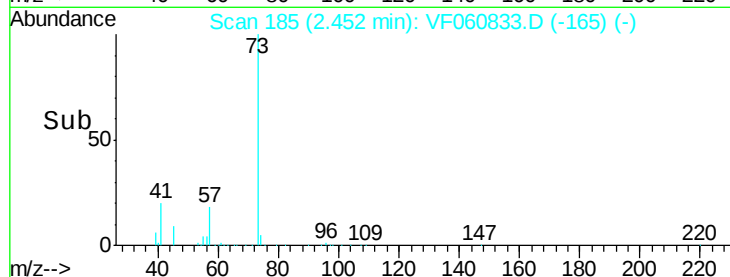
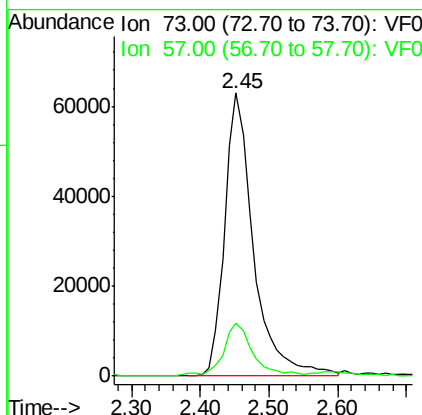
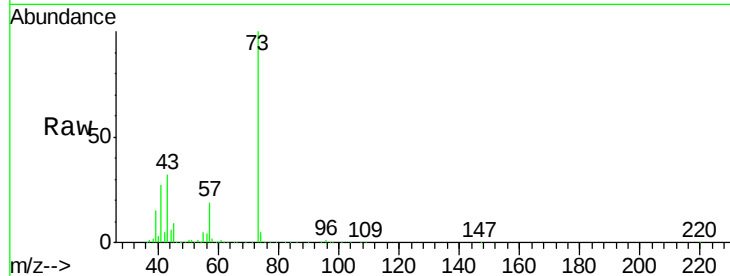




#19
Methyl tert-butyl Ether
Concen: 49.749 ug/l
RT: 2.45 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

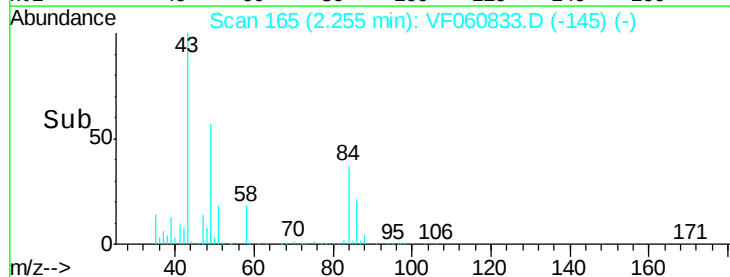
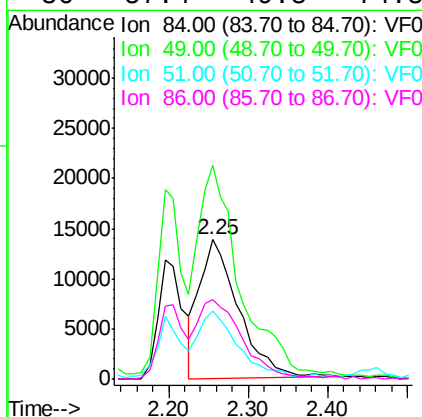
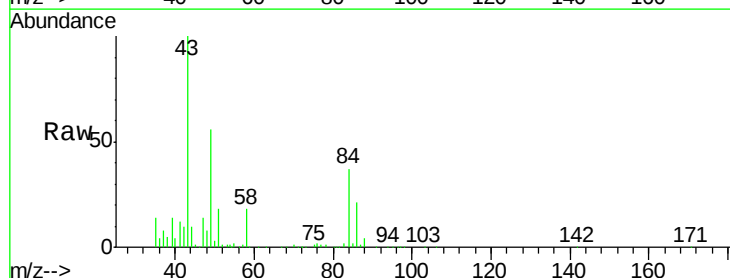
Instrument :
MSVOA_F
ClientSampleId :
ICVVF112618

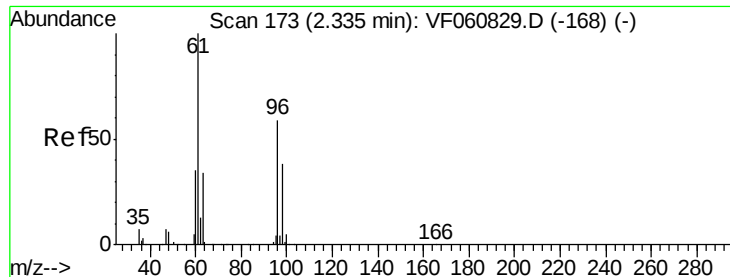
Tgt Ion: 73 Resp: 183035
Ion Ratio Lower Upper
73 100
57 18.5 15.3 22.9



#20
Methylene Chloride
Concen: 28.861 ug/l
RT: 2.25 min Scan# 165
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Tgt Ion: 84 Resp: 47451
Ion Ratio Lower Upper
84 100
49 153.5 111.3 166.9
51 48.9 38.0 57.0
86 57.4 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 49.600 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

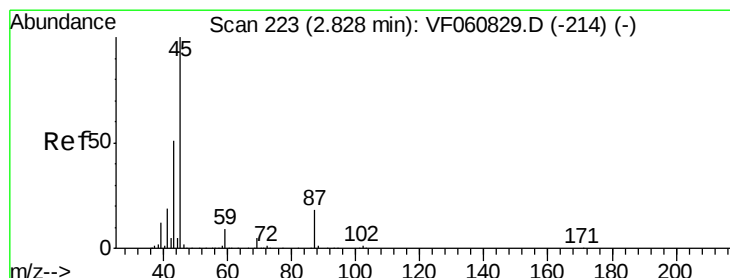
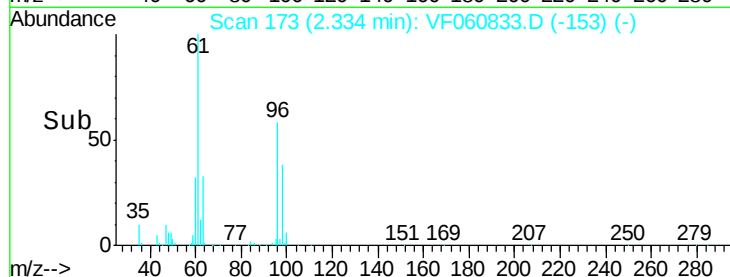
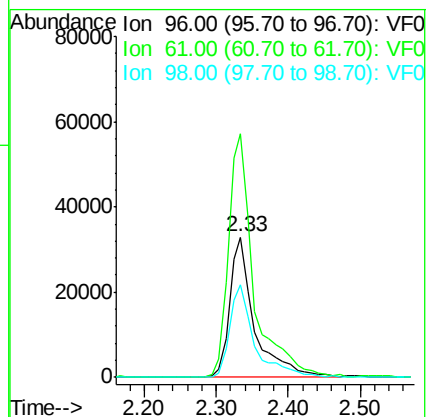
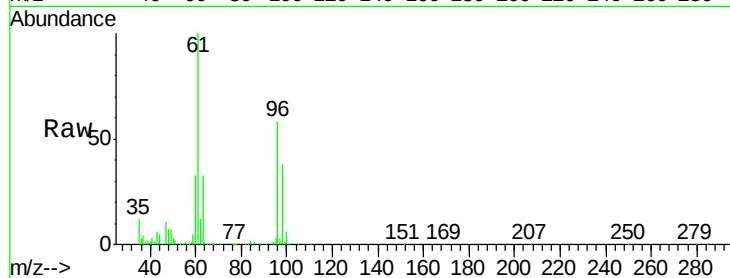
Tgt Ion: 96 Resp: 78112

Ion Ratio Lower Upper

96 100

61 173.4 134.5 201.7

98 66.2 51.6 77.4



#22

Diisopropyl ether

Concen: 49.330 ug/l

RT: 2.83 min Scan# 223

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Tgt Ion: 45 Resp: 273392

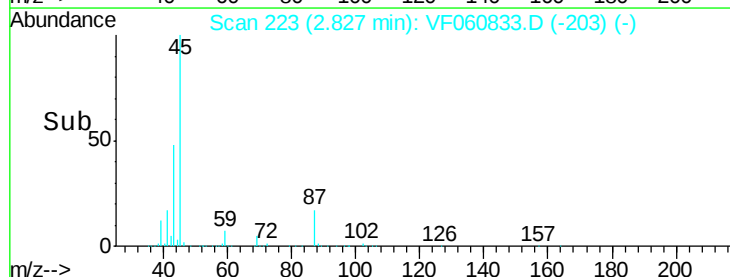
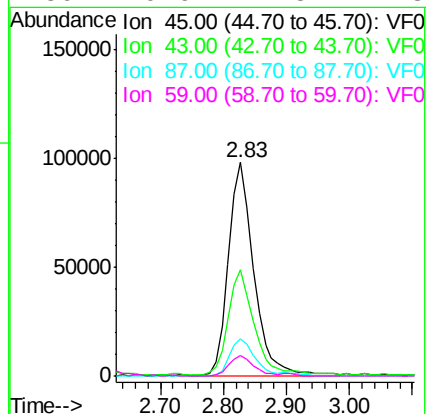
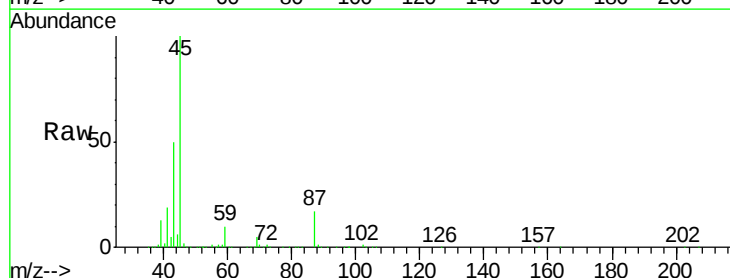
Ion Ratio Lower Upper

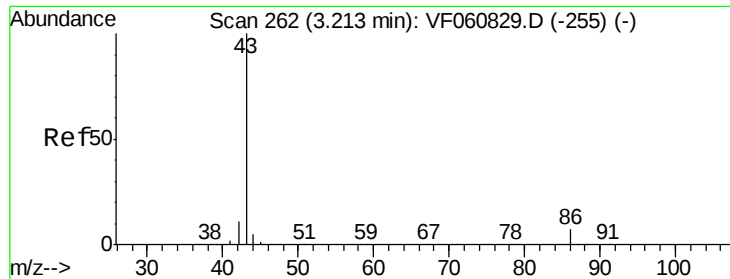
45 100

43 49.8 41.0 61.6

87 17.2 14.6 22.0

59 9.6 7.5 11.3





#23

Vinyl Acetate

Concen: 264.564 ug/l

RT: 3.22 min Scan# 263

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

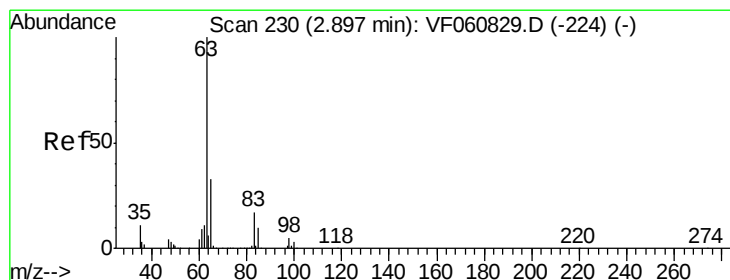
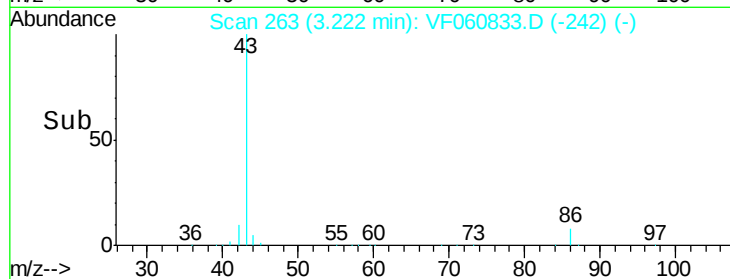
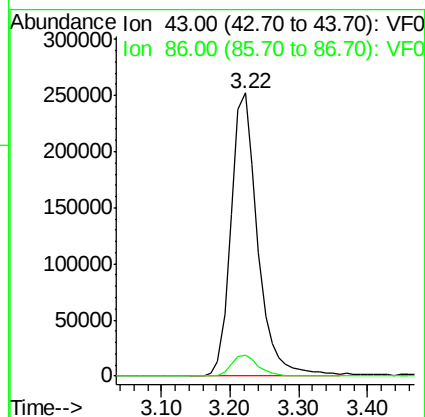
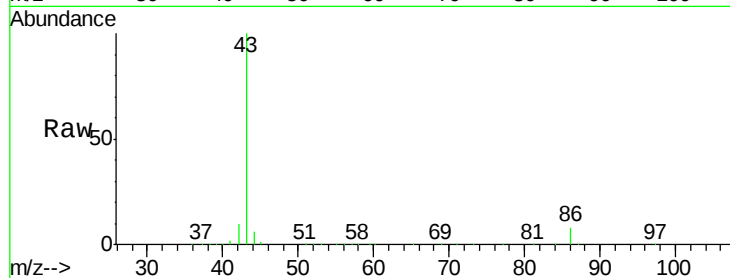
ICVVF112618

Tgt Ion: 43 Resp: 670230

Ion Ratio Lower Upper

43 100

86 7.6 5.4 8.0



#24

1,1-Dichloroethane

Concen: 50.068 ug/l

RT: 2.90 min Scan# 230

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

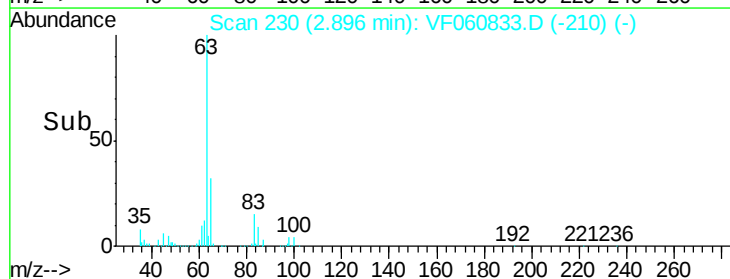
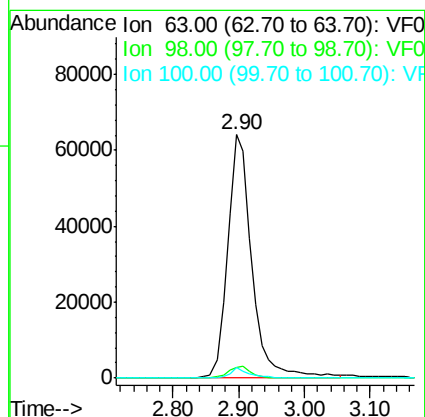
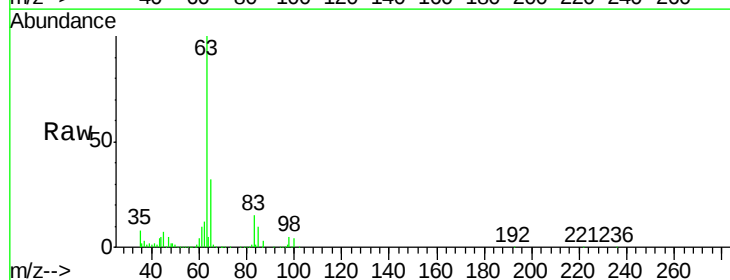
Tgt Ion: 63 Resp: 165092

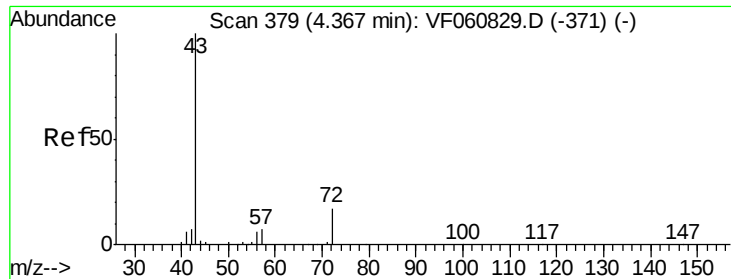
Ion Ratio Lower Upper

63 100

98 4.5 2.7 8.1

100 4.1 1.5 4.5





#25

2-Butanone

Concen: 233.979 ug/l

RT: 4.38 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

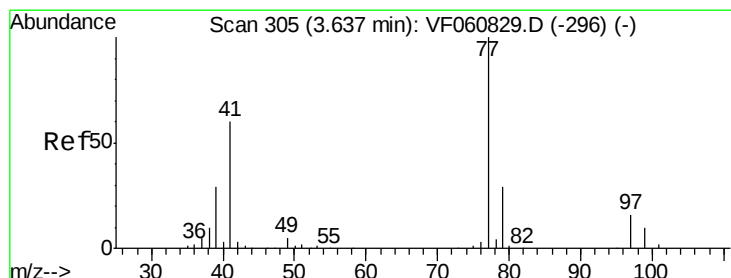
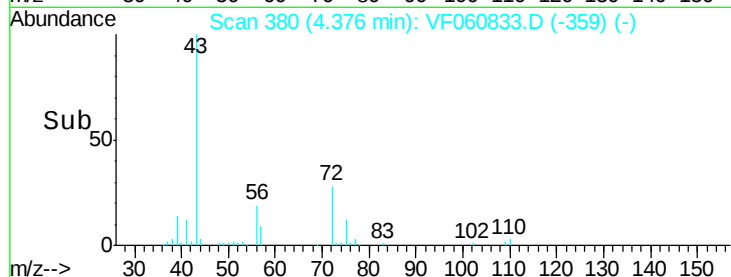
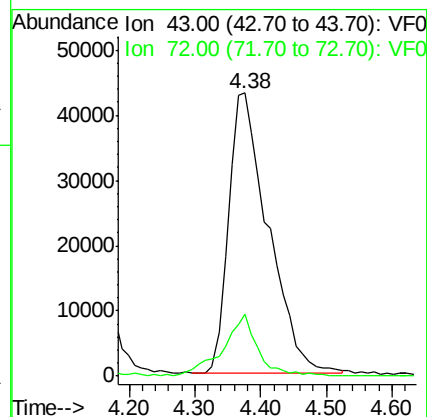
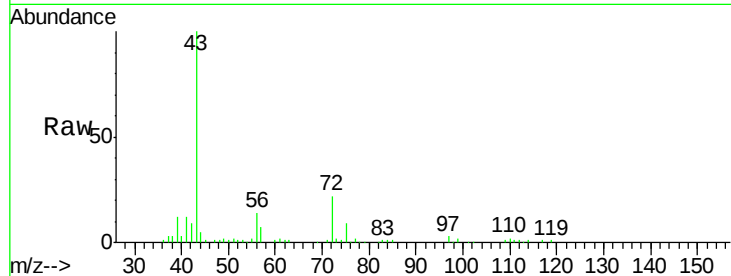
ICVVF112618

Tgt Ion: 43 Resp: 181373

Ion Ratio Lower Upper

43 100

72 22.0 15.4 23.2



#26

2,2-Dichloropropane

Concen: 46.107 ug/l

RT: 3.64 min Scan# 305

Delta R.T. -0.00 min

Lab File: VF060833.D

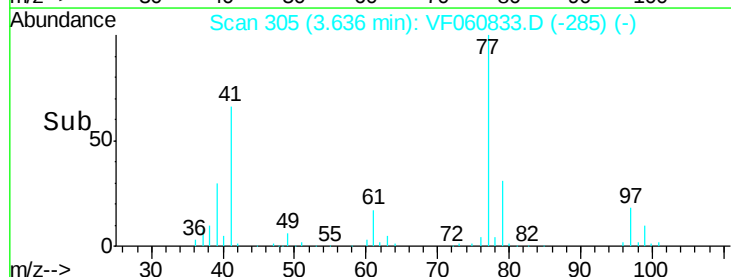
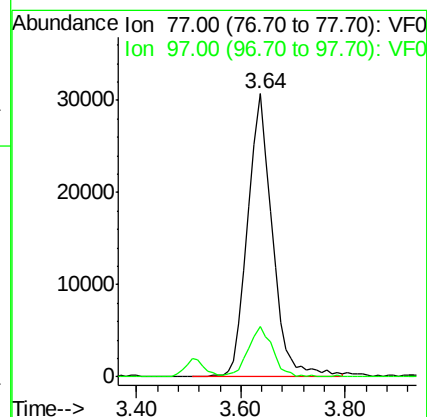
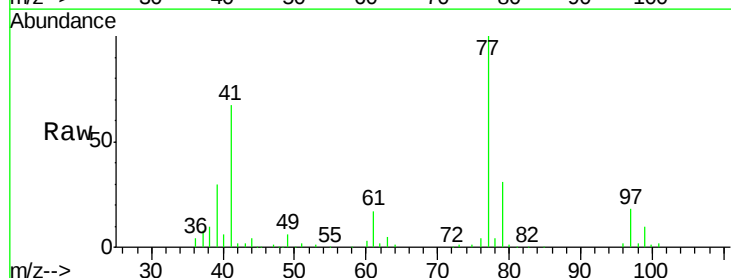
Acq: 26 Nov 2018 20:26

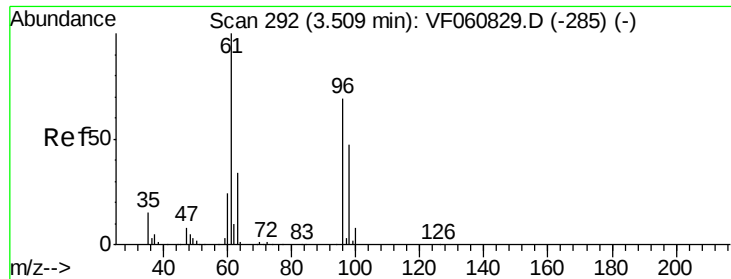
Tgt Ion: 77 Resp: 98563

Ion Ratio Lower Upper

77 100

97 17.9 8.6 25.8



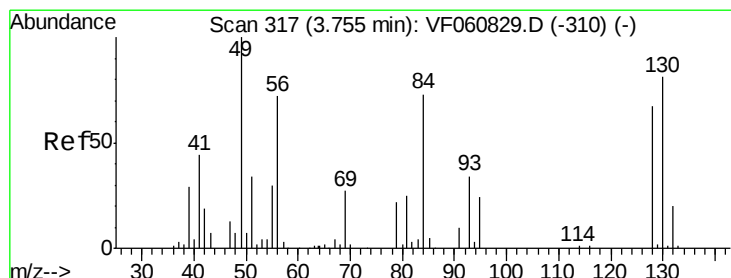
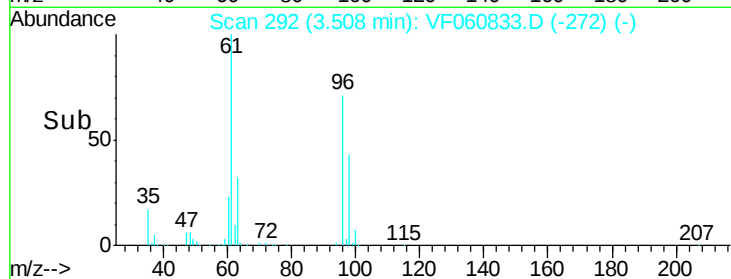
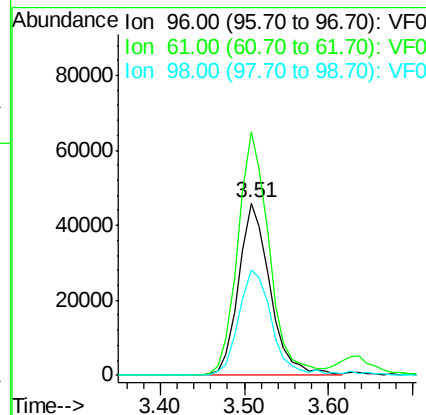
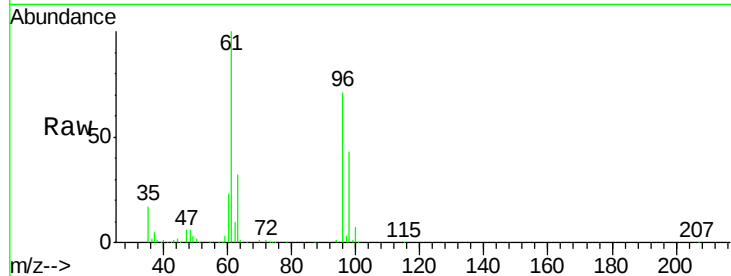


#27

cis-1,2-Dichloroethene
Concen: 46.786 ug/l
RT: 3.51 min Scan# 292
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF112618

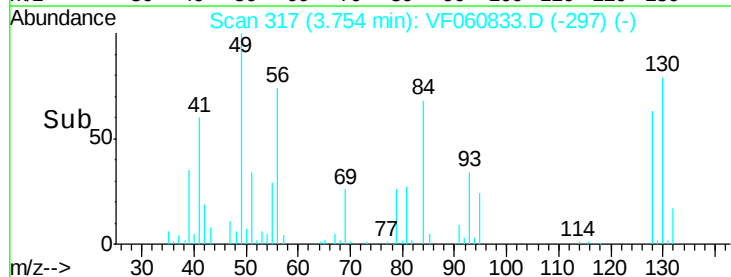
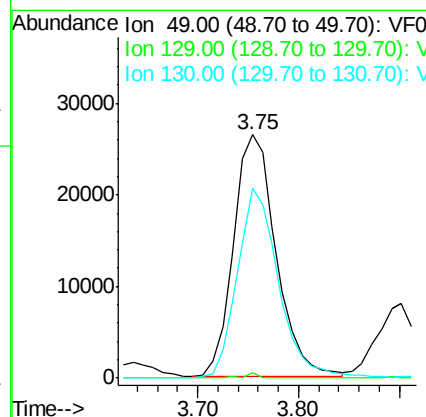
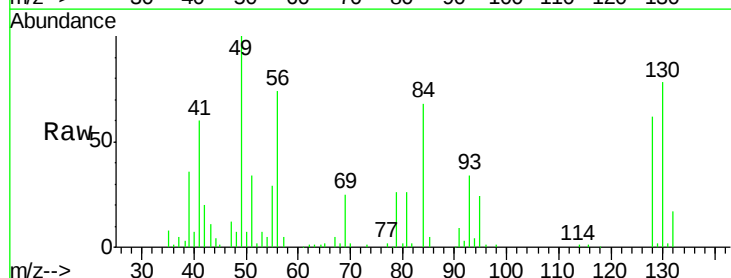
Tgt Ion: 96 Resp: 119953
Ion Ratio Lower Upper
96 100
61 141.6 0.0 290.6
98 61.5 0.0 137.8



#28

Bromochloromethane
Concen: 49.223 ug/l
RT: 3.75 min Scan# 317
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Tgt Ion: 49 Resp: 77893
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.4
130 78.0 64.2 96.4

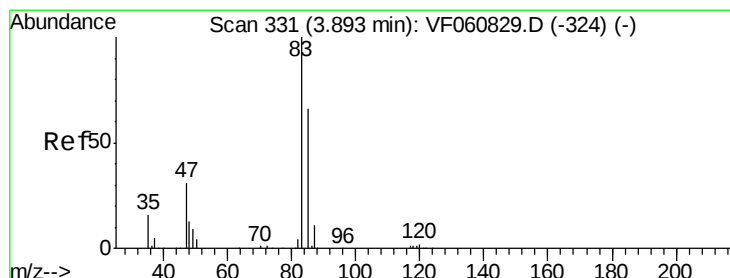
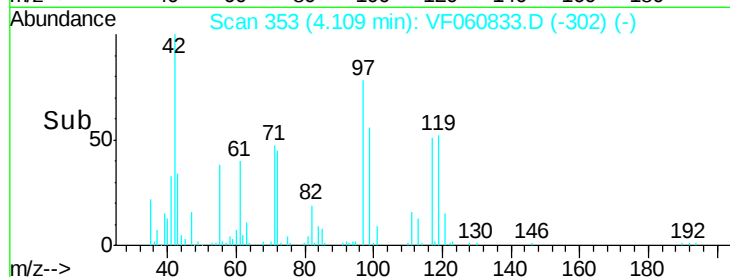
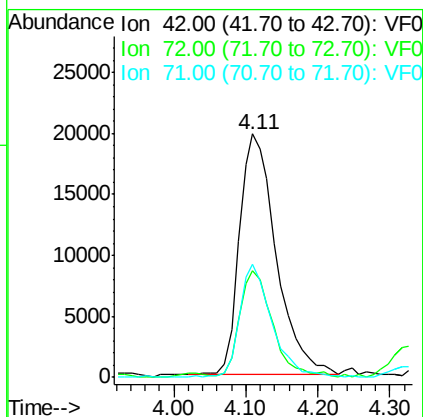
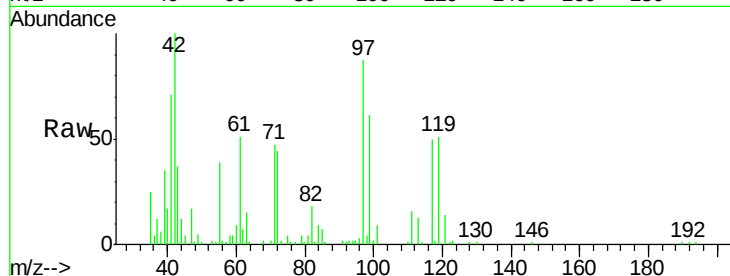




#29
Tetrahydrofuran
Concen: 213.703 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

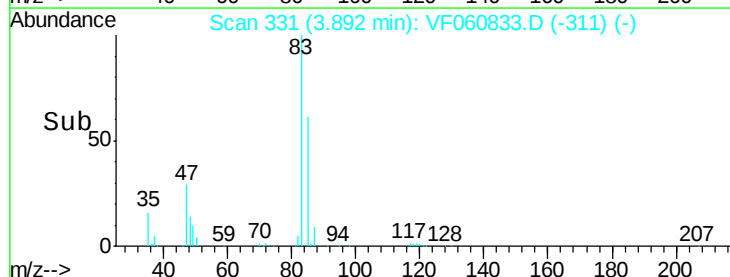
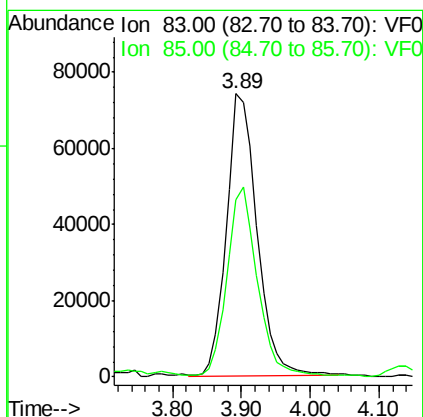
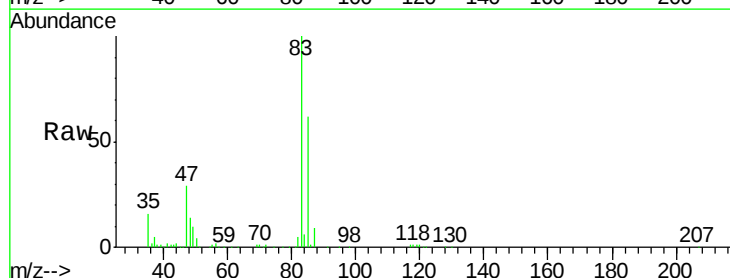
Instrument :
MSVOA_F
ClientSampleId :
ICVVF112618

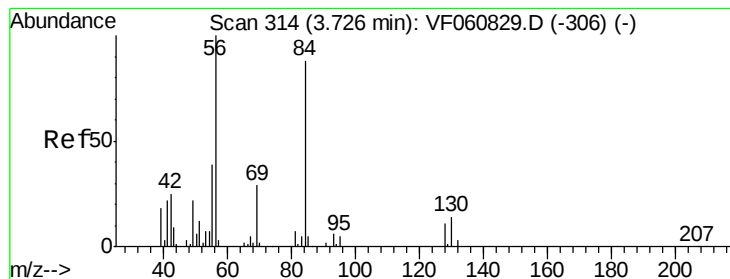
Tgt Ion: 42 Resp: 70219
Ion Ratio Lower Upper
42 100
72 40.0 31.9 47.9
71 41.6 28.7 43.1



#30
Chloroform
Concen: 45.026 ug/l
RT: 3.89 min Scan# 331
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Tgt Ion: 83 Resp: 228497
Ion Ratio Lower Upper
83 100
85 62.5 53.4 80.2





#31

Cyclohexane

Concen: 46.784 ug/l

RT: 3.73 min Scan# 315

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

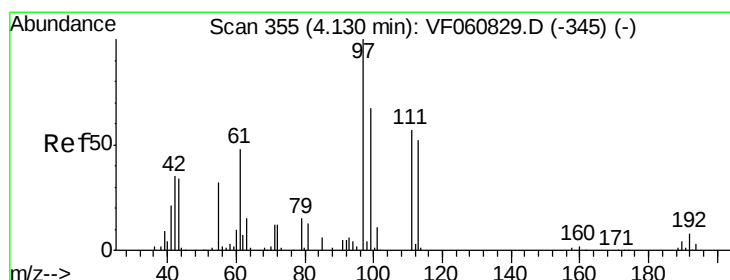
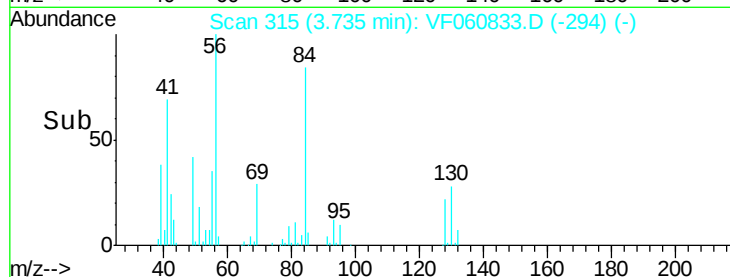
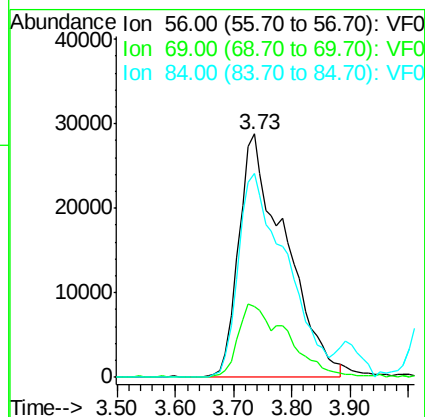
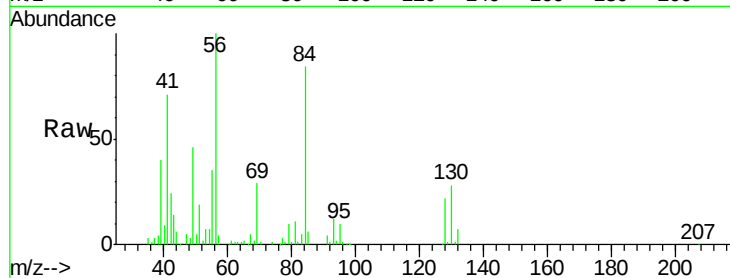
Tgt Ion: 56 Resp: 160097

Ion Ratio Lower Upper

56 100

69 29.3 23.0 34.4

84 84.0 70.4 105.6



#32

1,1,1-Trichloroethane

Concen: 48.666 ug/l

RT: 4.14 min Scan# 356

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

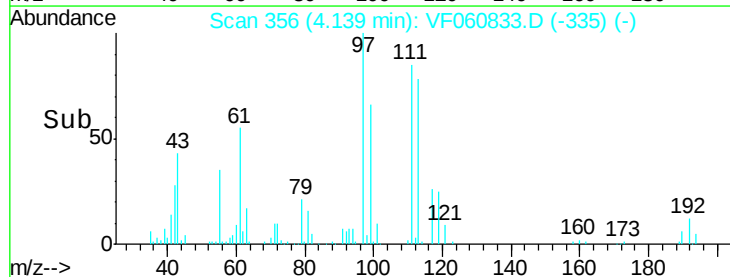
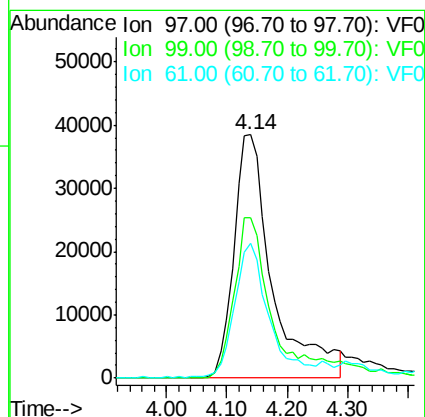
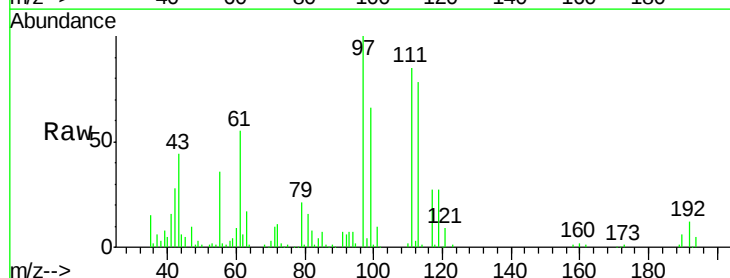
Tgt Ion: 97 Resp: 171280

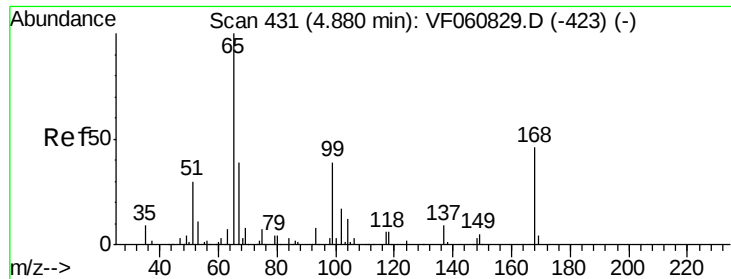
Ion Ratio Lower Upper

97 100

99 65.9 53.5 80.3

61 55.2 38.6 58.0





#33

1,2-Dichloroethane-d4

Concen: 52.037 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

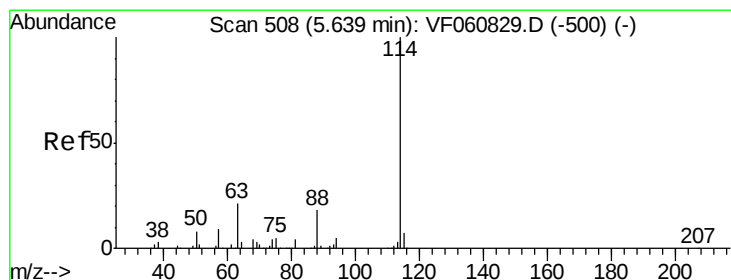
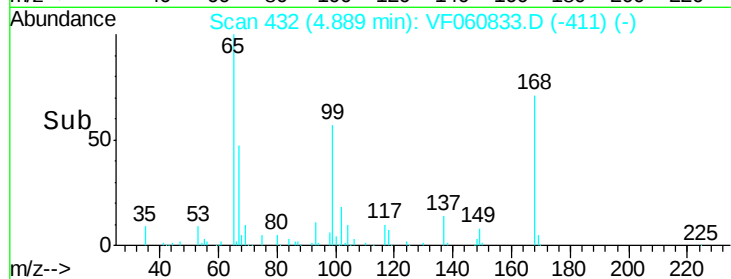
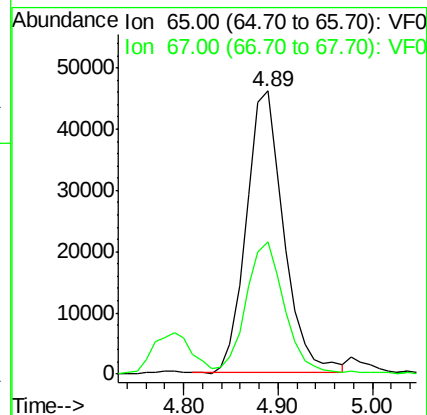
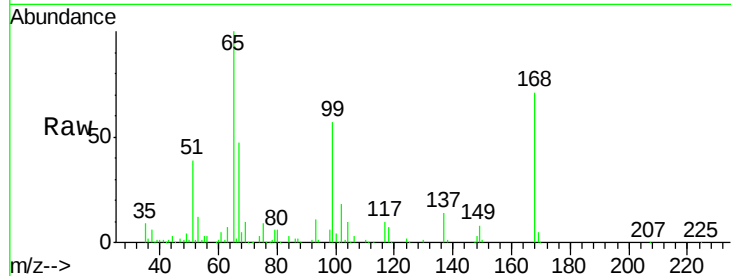
ICVVF112618

Tgt Ion: 65 Resp: 126466

Ion Ratio Lower Upper

65 100

67 46.8 0.0 96.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 508

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

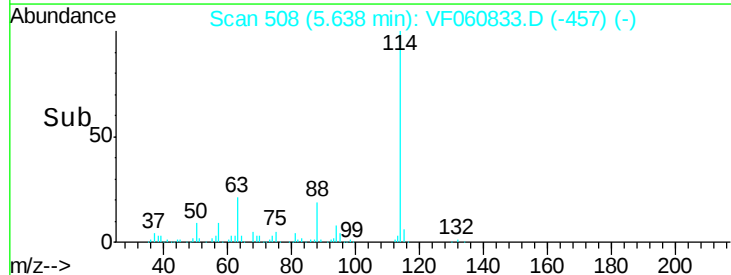
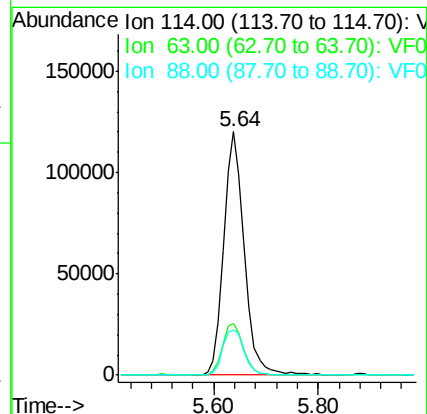
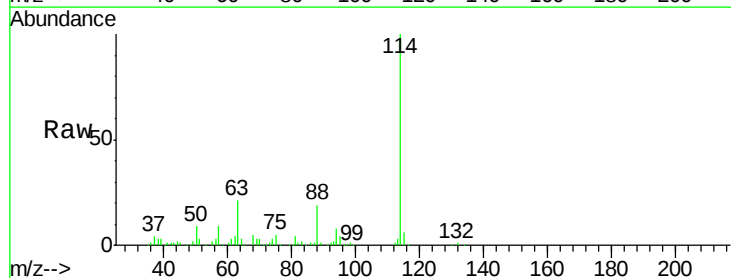
Tgt Ion: 114 Resp: 327576

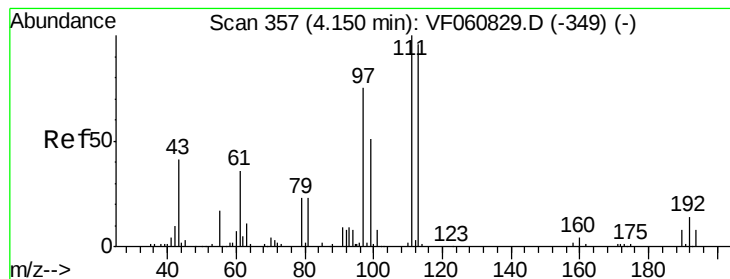
Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.6

88 18.8 0.0 36.6





#35

Dibromofluoromethane

Concen: 51.456 ug/l

RT: 4.16 min Scan# 358

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

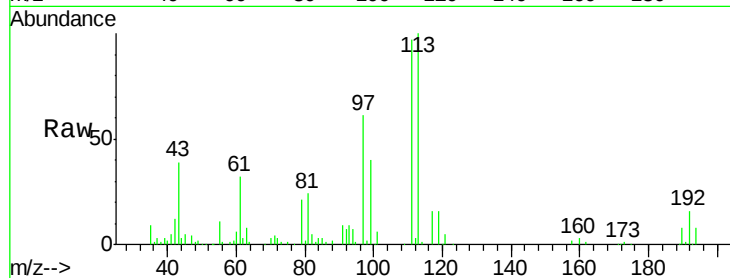
Tgt Ion:113 Resp: 133722

Ion Ratio Lower Upper

113 100

111 97.3 83.0 124.6

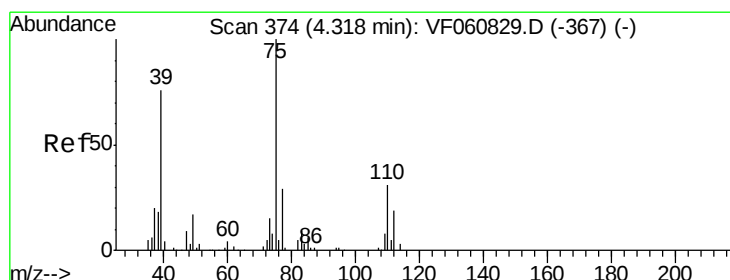
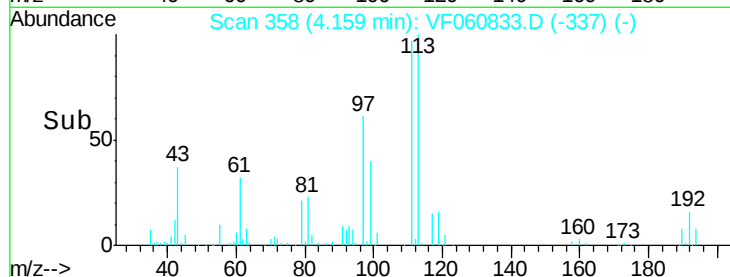
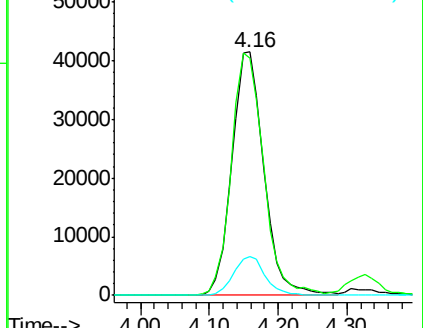
192 16.2 12.3 18.5



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 47.682 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

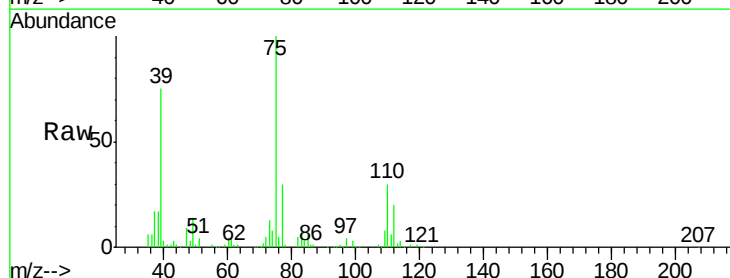
Tgt Ion: 75 Resp: 173245

Ion Ratio Lower Upper

75 100

110 30.3 15.6 46.8

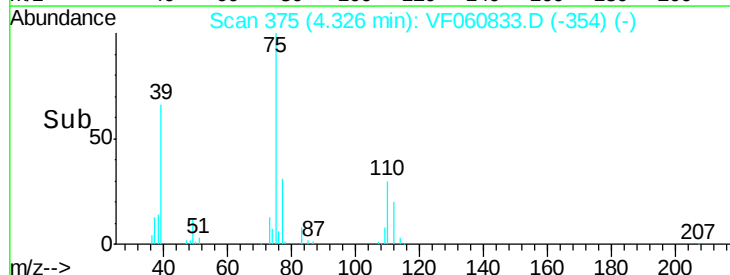
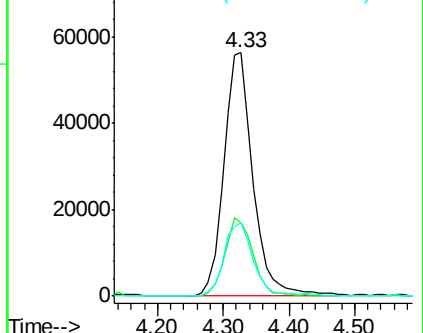
77 30.4 23.4 35.0

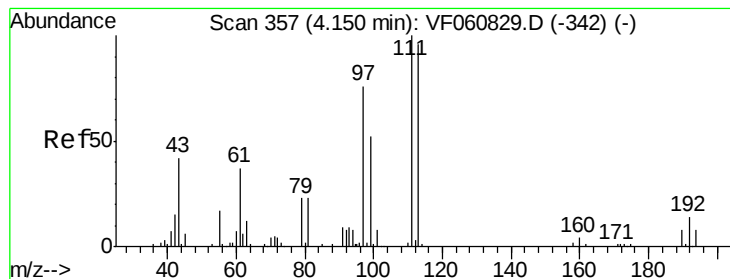


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 47.268 ug/l

RT: 4.15 min Scan# 357

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

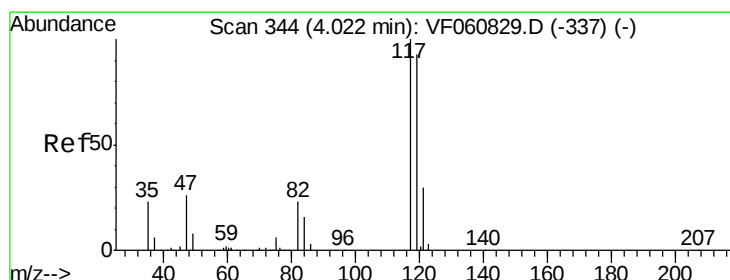
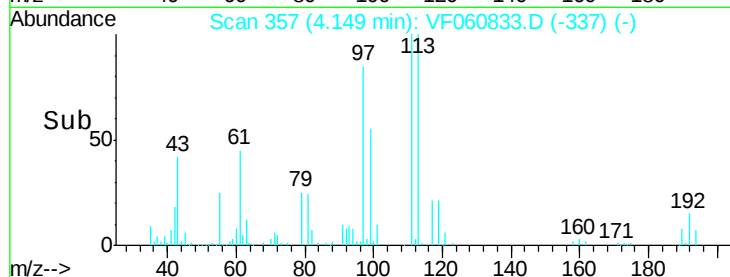
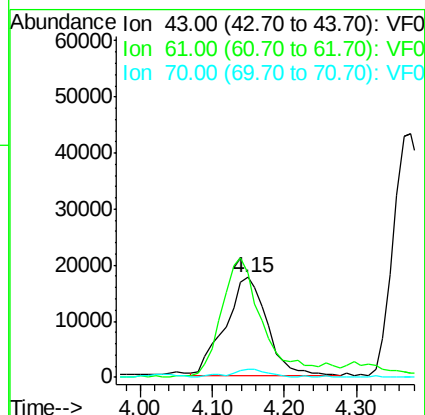
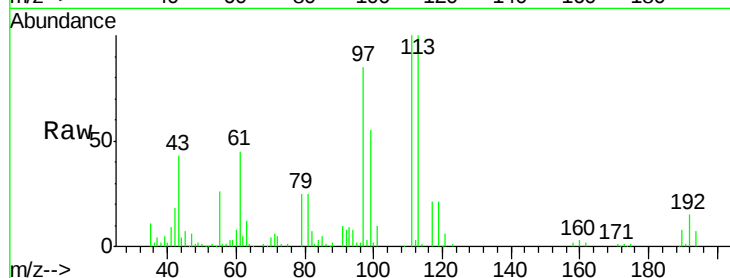
Tgt Ion: 43 Resp: 69792

Ion Ratio Lower Upper

43 100

61 104.3 68.6 103.0#

70 8.5 9.0 13.4#



#38

Carbon Tetrachloride

Concen: 48.129 ug/l

RT: 4.03 min Scan# 345

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

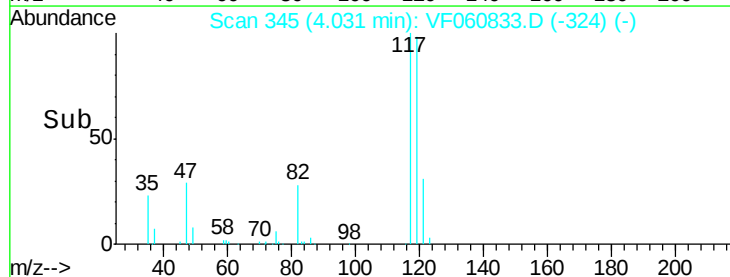
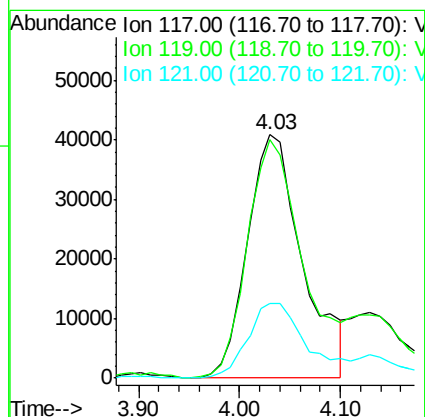
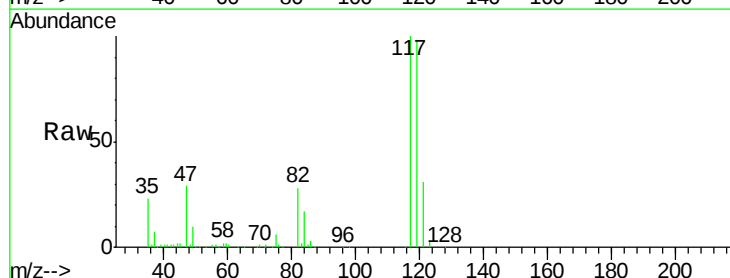
Tgt Ion: 117 Resp: 154453

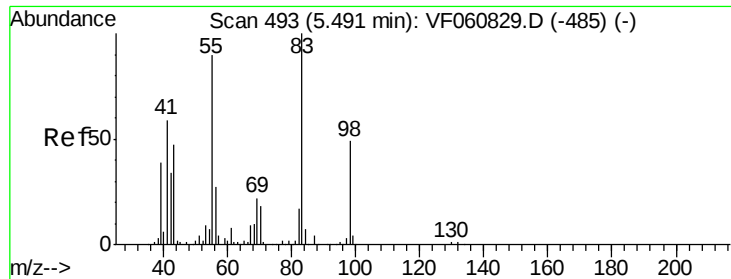
Ion Ratio Lower Upper

117 100

119 98.2 74.4 111.6

121 30.8 23.5 35.3

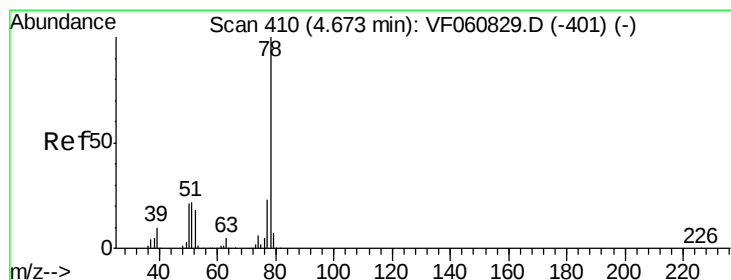
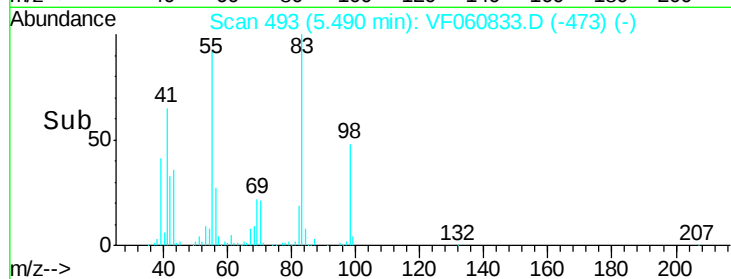
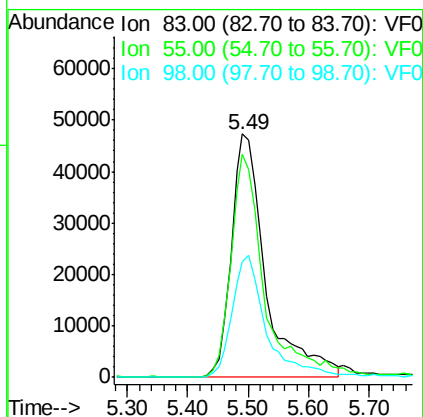
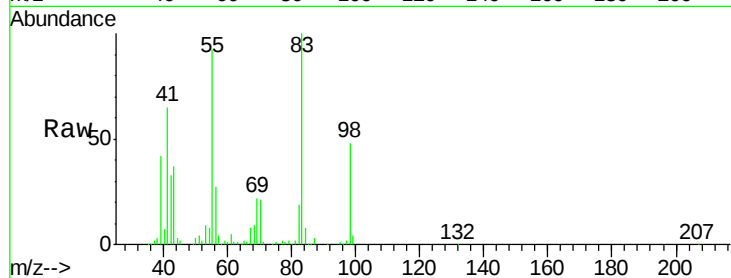




#39
Methylcyclohexane
Concen: 49.216 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

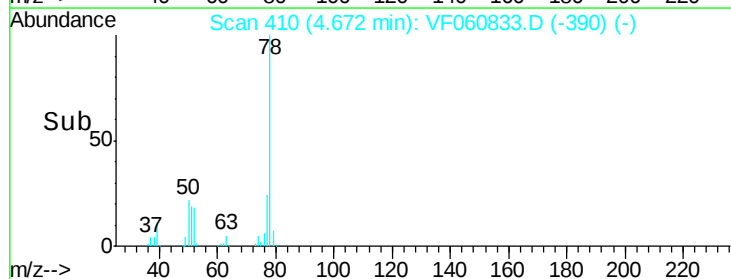
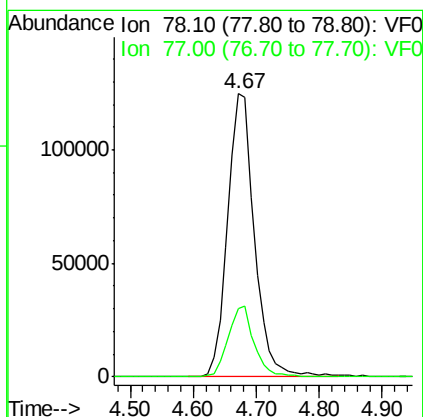
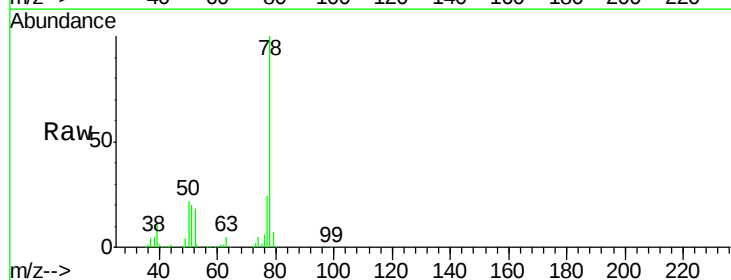
Instrument :
MSVOA_F
ClientSampleId :
ICVVF112618

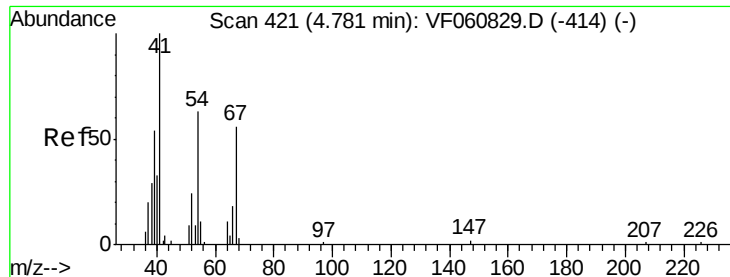
Tgt Ion: 83 Resp: 187398
Ion Ratio Lower Upper
83 100
55 91.9 72.1 108.1
98 47.7 39.1 58.7



#40
Benzene
Concen: 45.711 ug/l
RT: 4.67 min Scan# 410
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Tgt Ion: 78 Resp: 366914
Ion Ratio Lower Upper
78 100
77 24.3 18.7 28.1





#41

Methacrylonitrile

Concen: 55.519 ug/l

RT: 4.78 min Scan# 421

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

Tgt Ion: 41 Resp: 42115

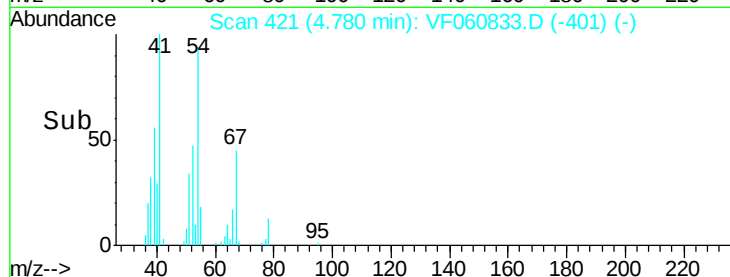
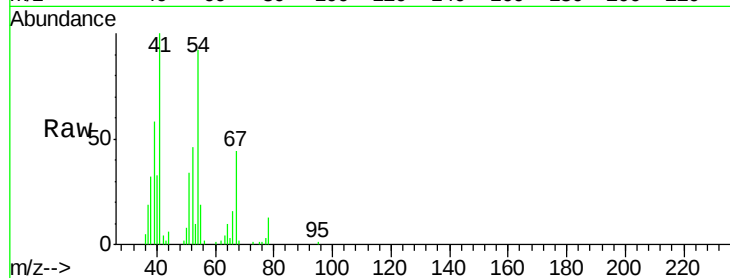
Ion Ratio Lower Upper

41 100

39 57.9 53.0 79.6

67 43.8 43.8 65.6#

52 46.3 37.8 56.8

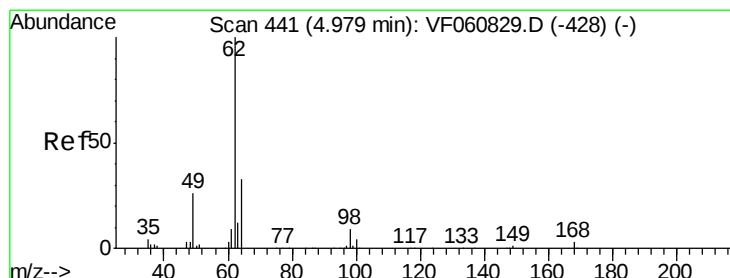
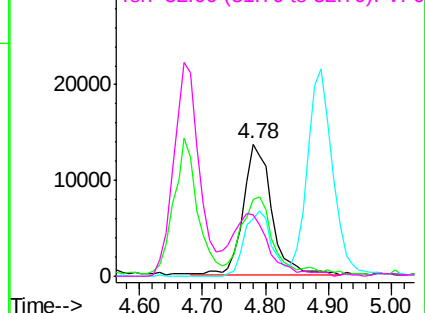


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 47.430 ug/l

RT: 4.99 min Scan# 442

Delta R.T. 0.01 min

Lab File: VF060833.D

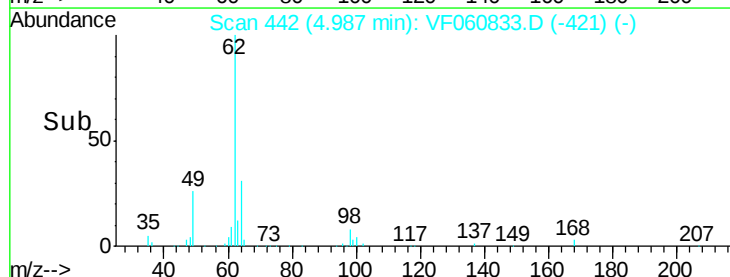
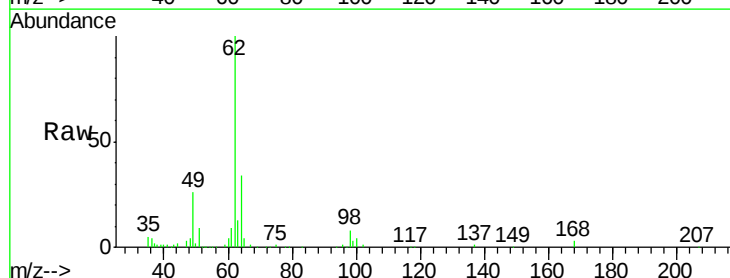
Acq: 26 Nov 2018 20:26

Tgt Ion: 62 Resp: 138990

Ion Ratio Lower Upper

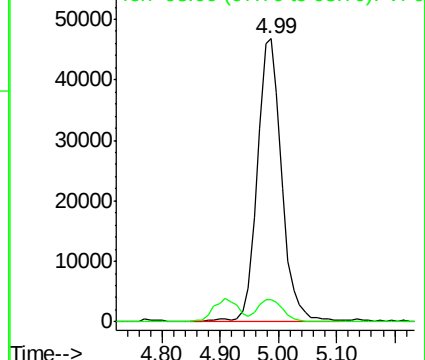
62 100

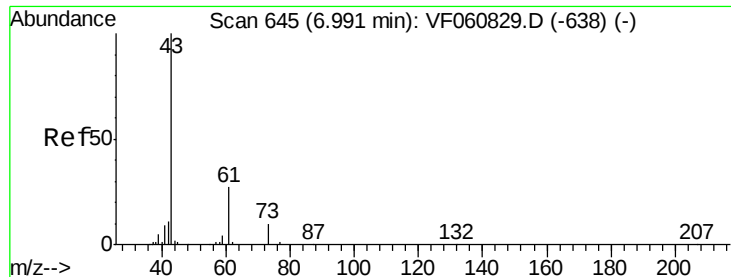
98 8.1 0.0 17.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



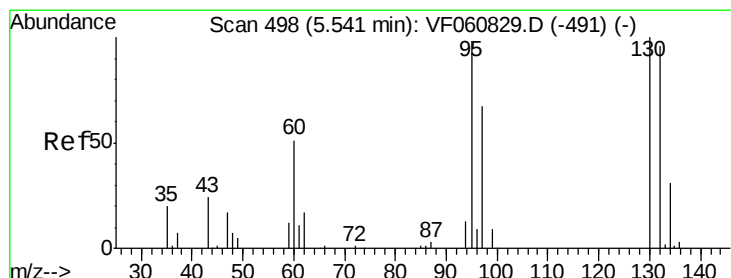
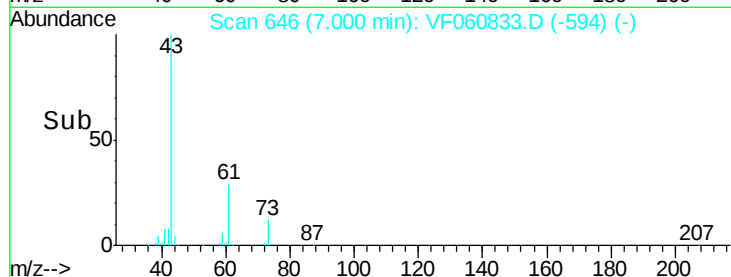
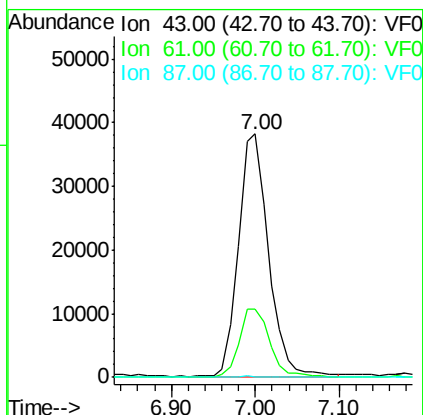
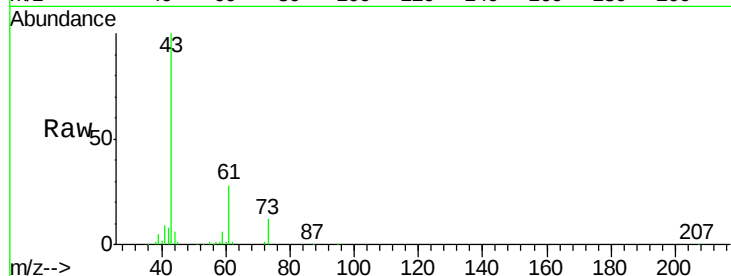


#43

Isopropyl Acetate
 Concen: 52.345 ug/l
 RT: 7.00 min Scan# 646
 Delta R.T. 0.01 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF112618

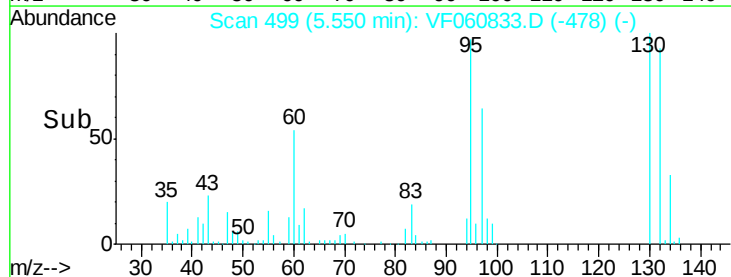
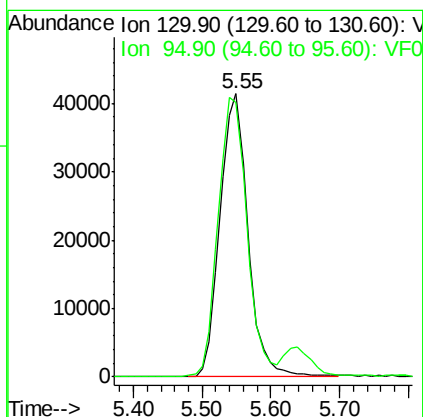
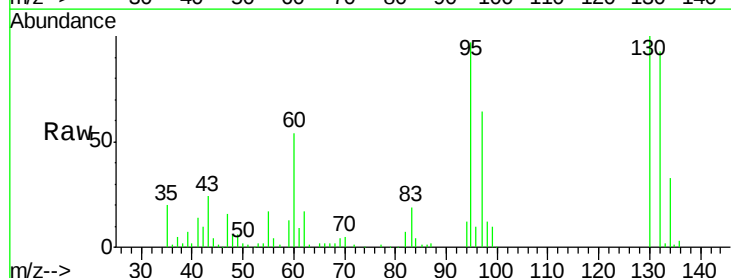
Tgt Ion: 43 Resp: 95127
 Ion Ratio Lower Upper
 43 100
 61 28.1 21.4 32.0
 87 0.3 0.2 0.4

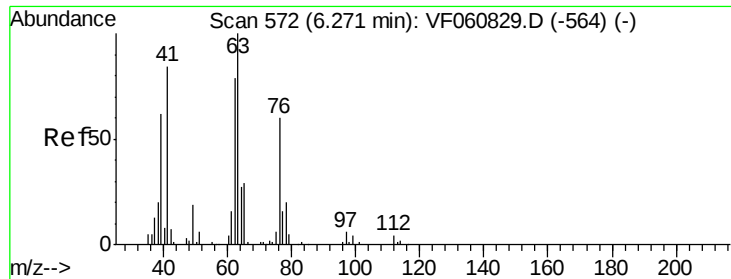


#44

Trichloroethene
 Concen: 44.542 ug/l
 RT: 5.55 min Scan# 499
 Delta R.T. 0.01 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

Tgt Ion: 130 Resp: 116902
 Ion Ratio Lower Upper
 130 100
 95 97.0 0.0 195.6





#45

1,2-Dichloropropane

Concen: 51.964 ug/l

RT: 6.28 min Scan# 573

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

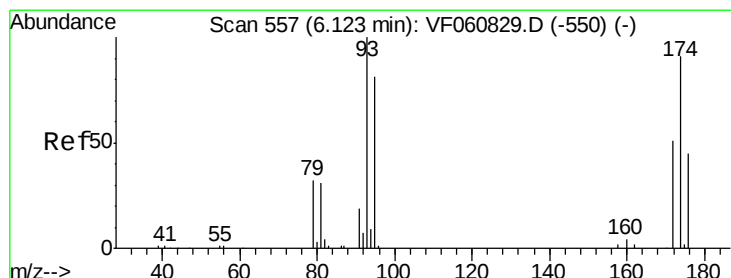
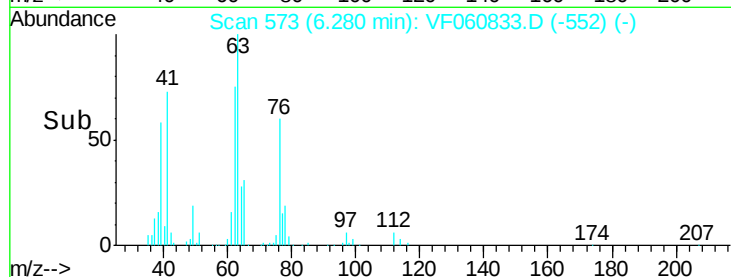
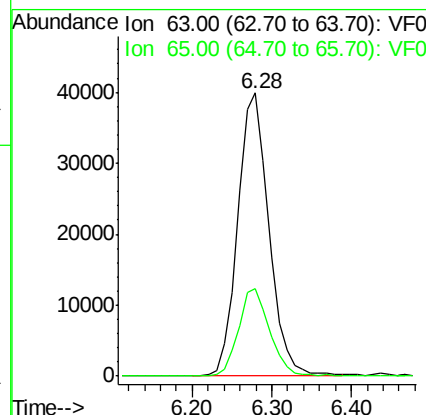
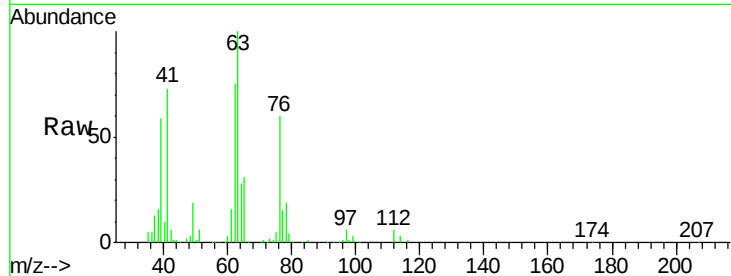
ICVVF112618

Tgt Ion: 63 Resp: 108328

Ion Ratio Lower Upper

63 100

65 30.8 23.2 34.8



#46

Dibromomethane

Concen: 50.470 ug/l

RT: 6.13 min Scan# 558

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

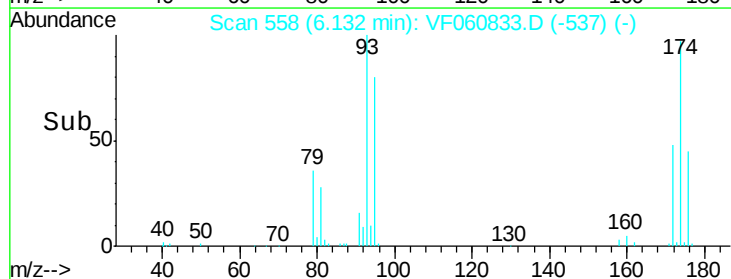
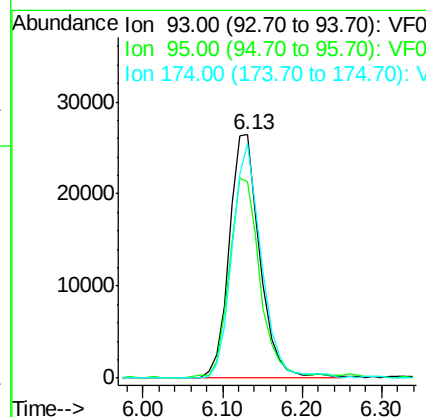
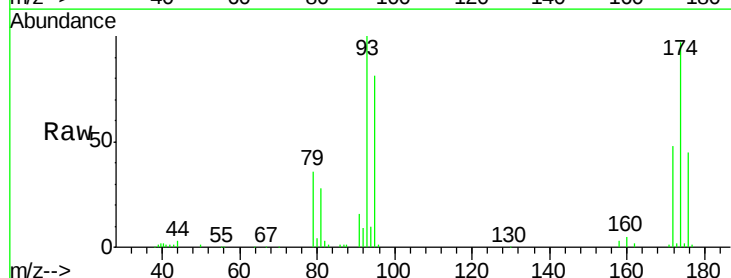
Tgt Ion: 93 Resp: 71374

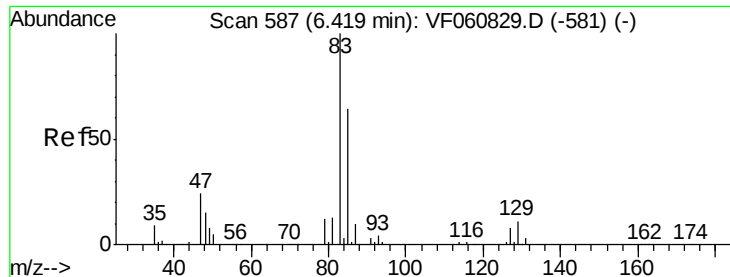
Ion Ratio Lower Upper

93 100

95 80.7 64.7 97.1

174 98.4 73.0 109.6





#47

Bromodichloromethane

Concen: 48.891 ug/l

RT: 6.43 min Scan# 588

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

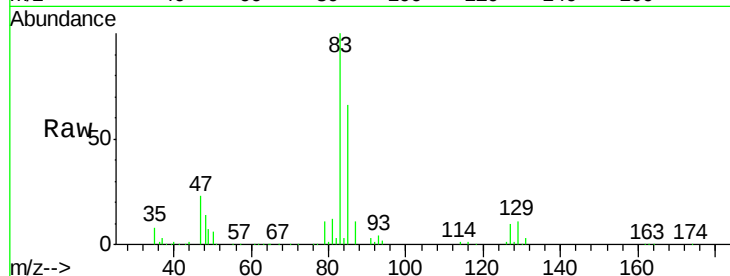
Tgt Ion: 83 Resp: 183636

Ion Ratio Lower Upper

83 100

85 66.3 51.1 76.7

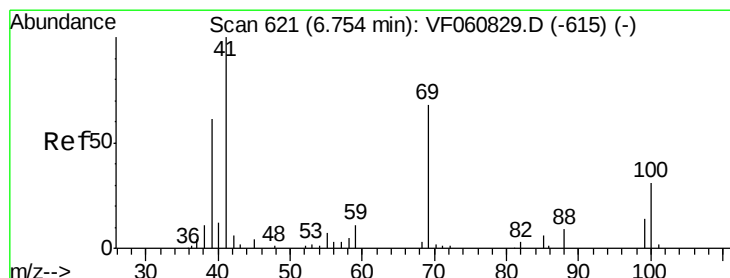
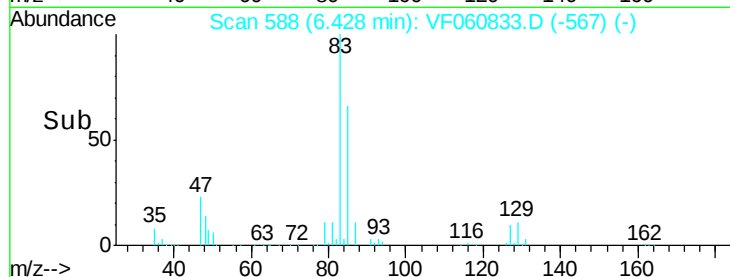
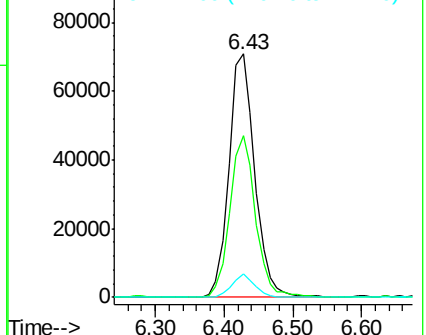
127 9.5 6.8 10.2



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: 50.711 ug/l

RT: 6.75 min Scan# 621

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

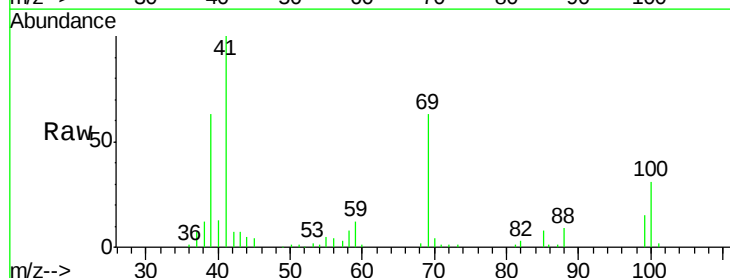
Tgt Ion: 41 Resp: 67775

Ion Ratio Lower Upper

41 100

69 63.0 53.9 80.9

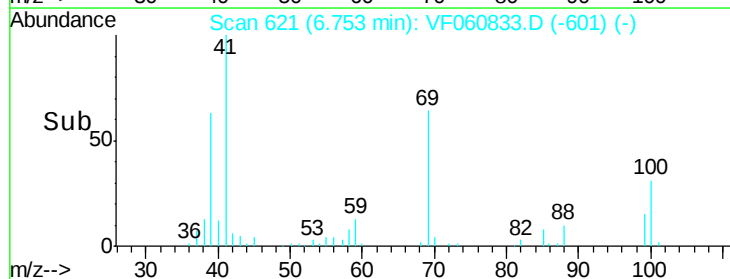
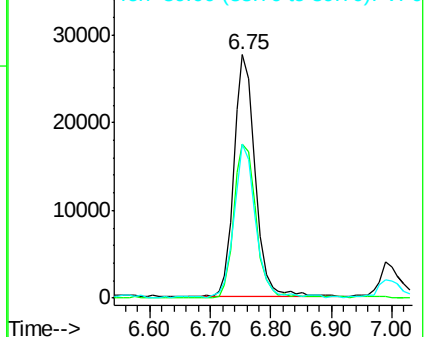
39 63.1 49.0 73.6

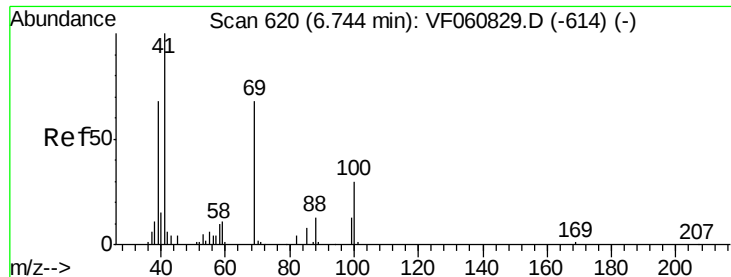


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

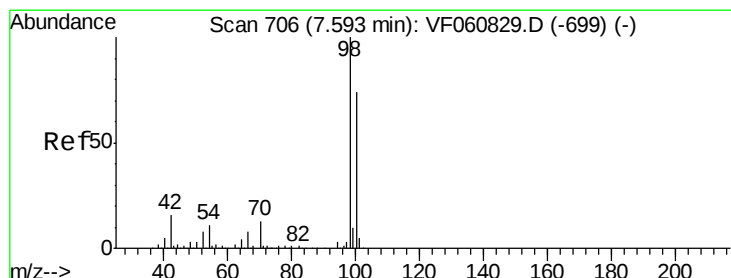
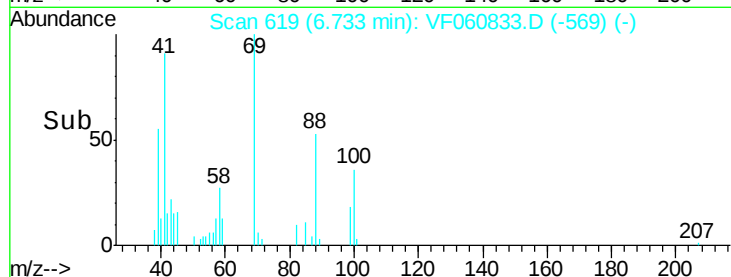
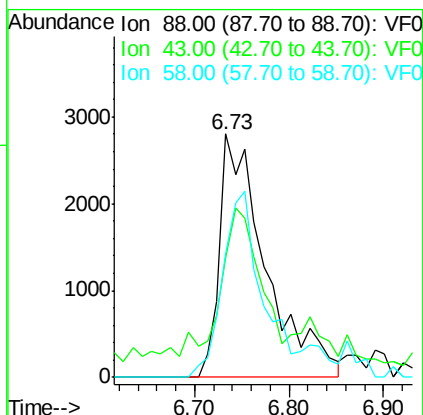
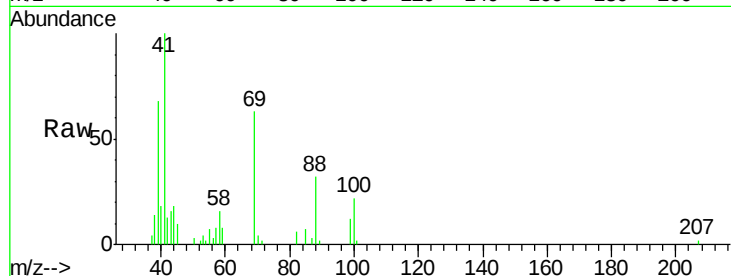




#49
1,4-Dioxane
Concen: 970.620 ug/l
RT: 6.73 min Scan# 619
Delta R.T. -0.01 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

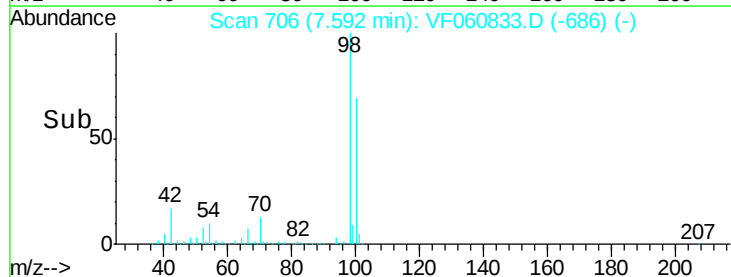
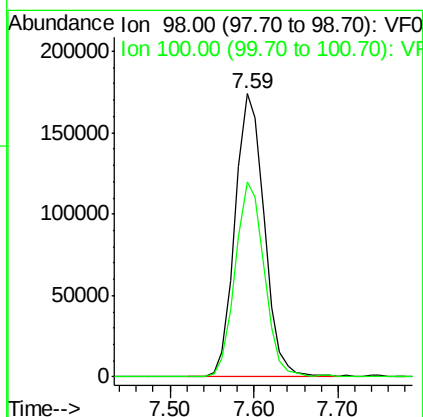
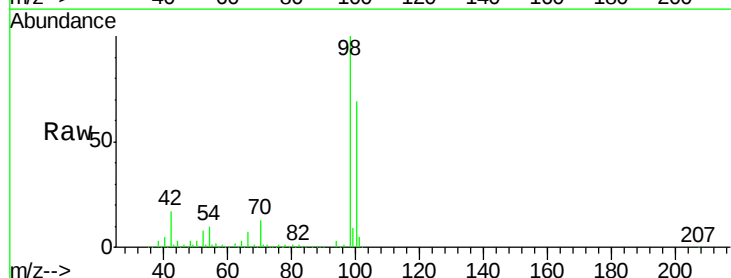
Instrument :
MSVOA_F
ClientSampleId :
ICVVF112618

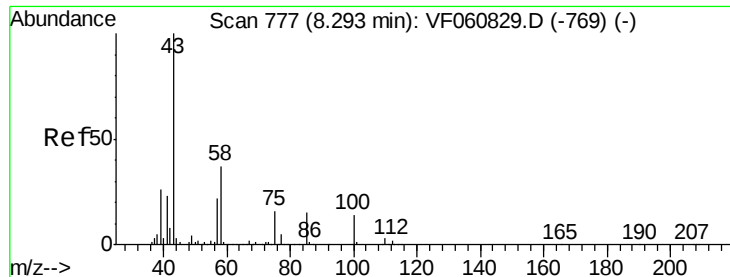
Tgt Ion: 88 Resp: 9494
Ion Ratio Lower Upper
88 100
43 49.1 42.0 63.0
58 50.4 61.8 92.8#



#50
Toluene-d8
Concen: 55.052 ug/l
RT: 7.59 min Scan# 706
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Tgt Ion: 98 Resp: 421426
Ion Ratio Lower Upper
98 100
100 69.0 59.3 88.9





#51

4-Methyl-2-Pentanone

Concen: 241.712 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

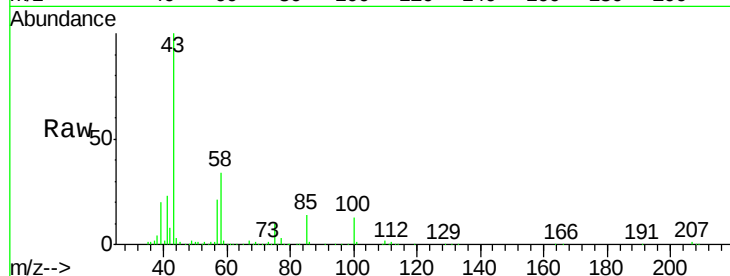
ICVVF112618

Tgt Ion: 43 Resp: 329108

Ion Ratio Lower Upper

43 100

58 34.2 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.29

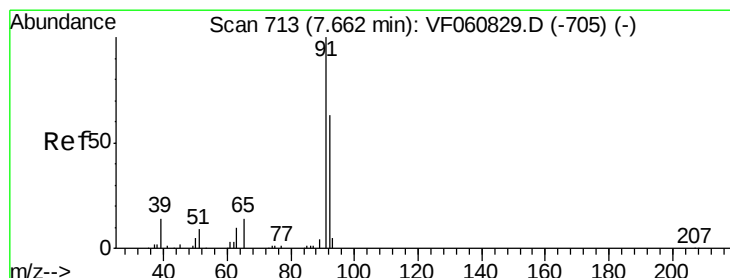
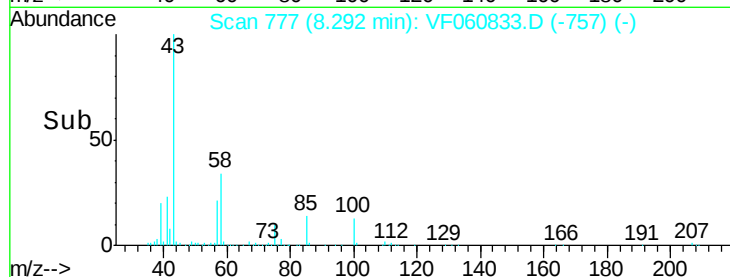
150000

100000

50000

0

Time--> 8.10 8.20 8.30 8.40



#52

Toluene

Concen: 46.525 ug/l

RT: 7.67 min Scan# 714

Delta R.T. 0.01 min

Lab File: VF060833.D

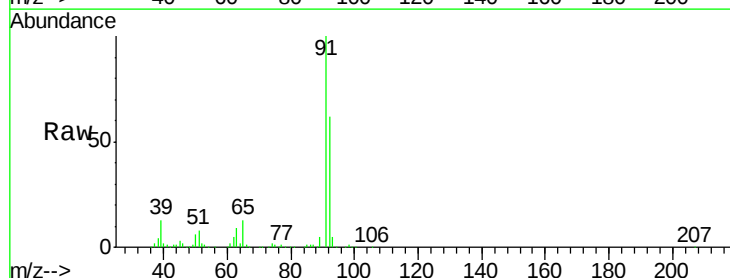
Acq: 26 Nov 2018 20:26

Tgt Ion: 92 Resp: 262314

Ion Ratio Lower Upper

92 100

91 160.5 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.67

200000

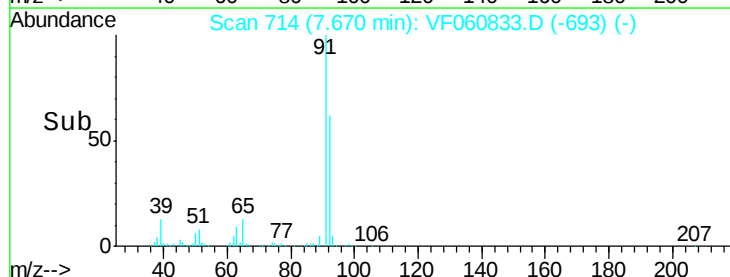
150000

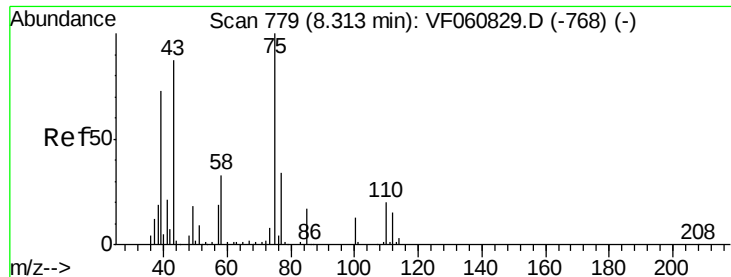
100000

50000

0

Time--> 7.50 7.60 7.70 7.80

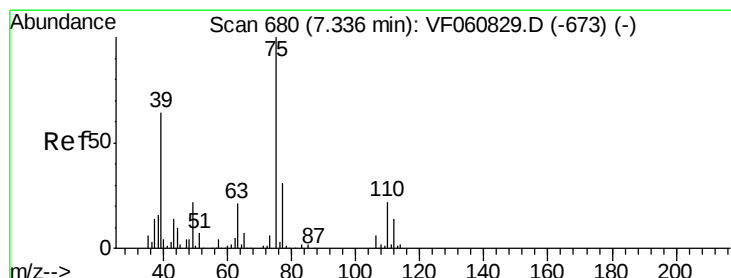
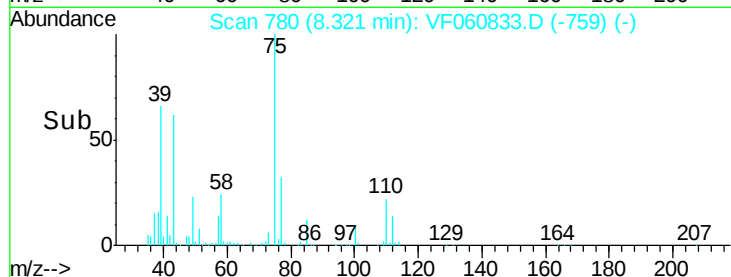
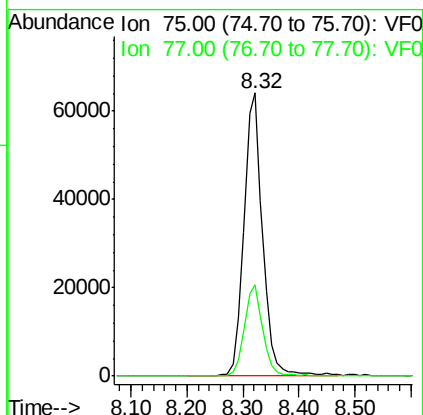
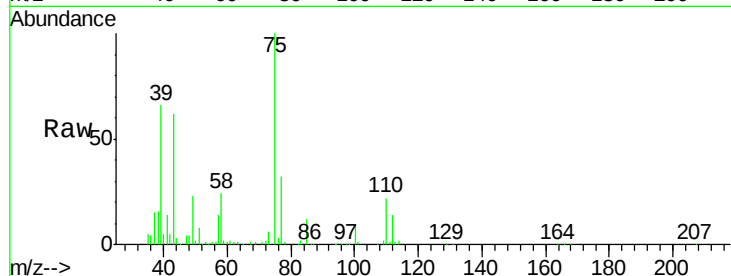




#53
 t-1,3-Dichloropropene
 Concen: 48.539 ug/l
 RT: 8.32 min Scan# 780
 Delta R.T. 0.01 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

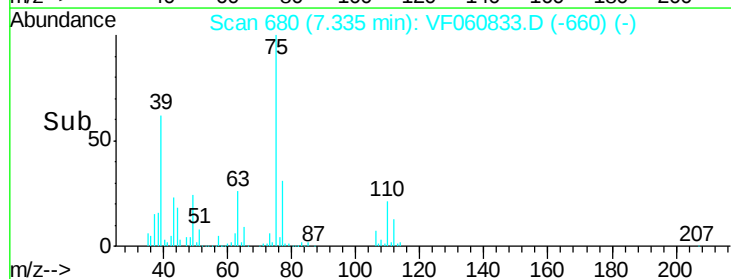
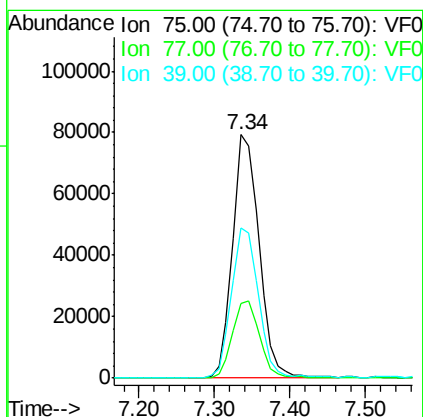
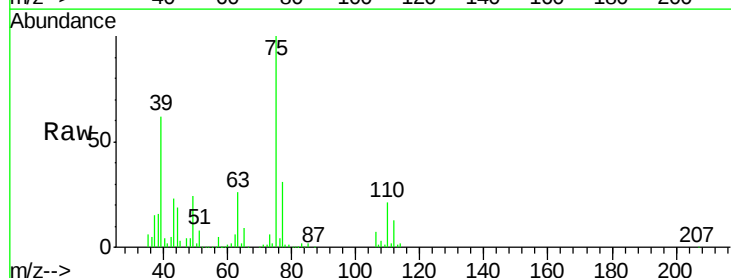
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF112618

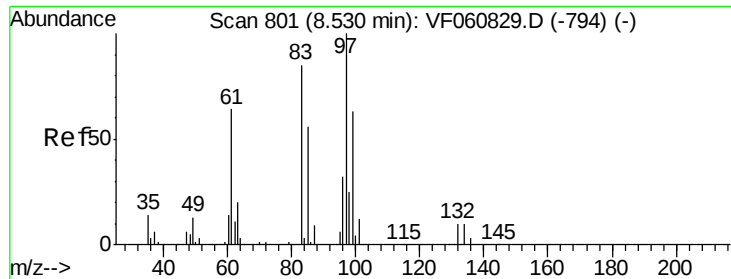
Tgt Ion: 75 Resp: 148297
 Ion Ratio Lower Upper
 75 100
 77 32.2 27.4 41.2



#54
 cis-1,3-Dichloropropene
 Concen: 50.849 ug/l
 RT: 7.34 min Scan# 680
 Delta R.T. -0.00 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

Tgt Ion: 75 Resp: 192327
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.0 37.6
 39 61.8 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 50.316 ug/l

RT: 8.53 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

Tgt Ion: 97 Resp: 82663

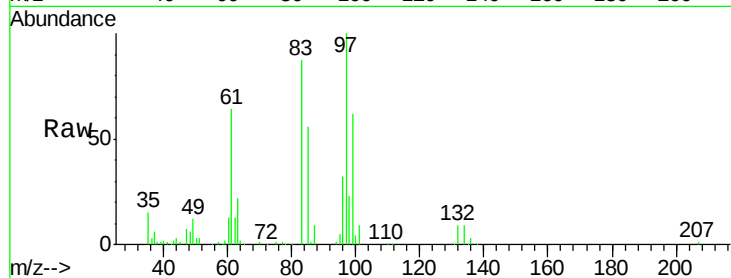
Ion Ratio Lower Upper

97 100

83 87.5 67.8 101.6

85 56.0 45.0 67.6

99 61.8 50.5 75.7

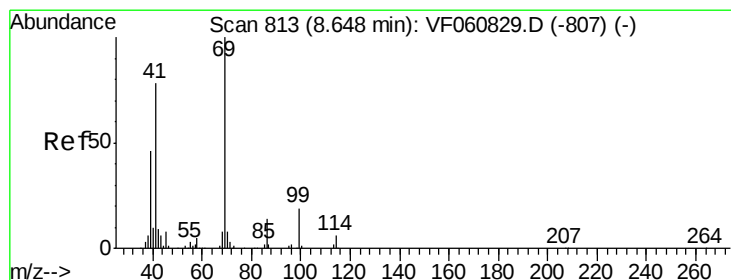
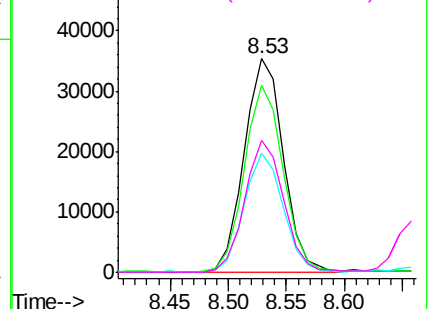
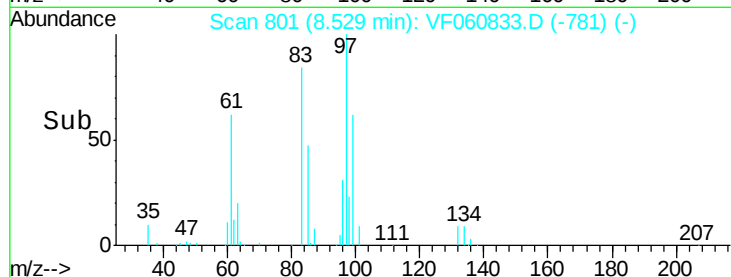


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 50.768 ug/l

RT: 8.66 min Scan# 814

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

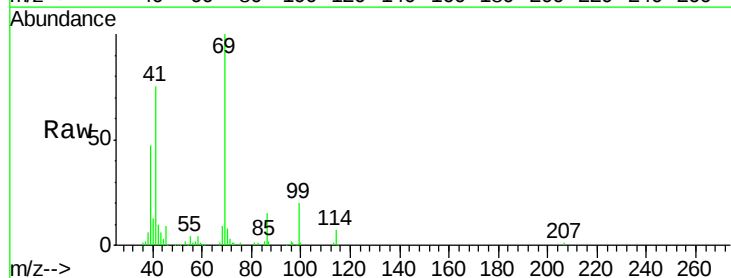
Tgt Ion: 69 Resp: 92654

Ion Ratio Lower Upper

69 100

41 75.3 62.6 94.0

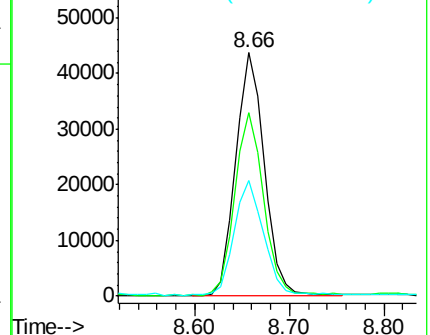
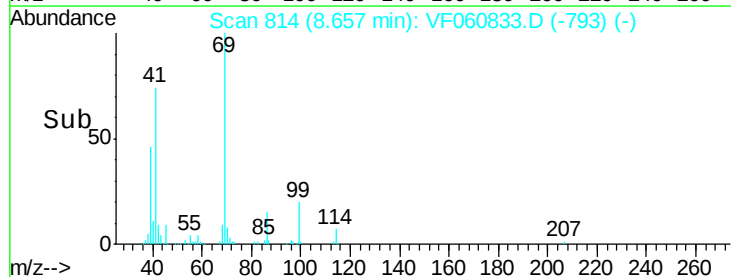
39 47.3 37.8 56.6

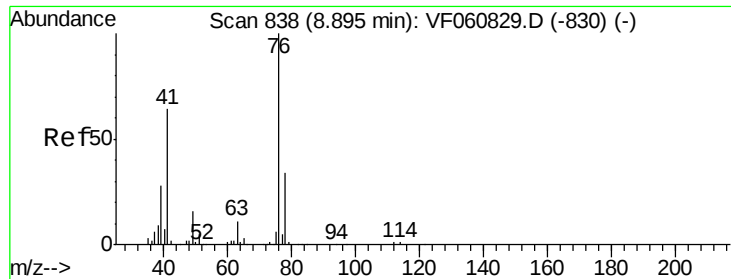


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 49.969 ug/l

RT: 8.89 min Scan# 838

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

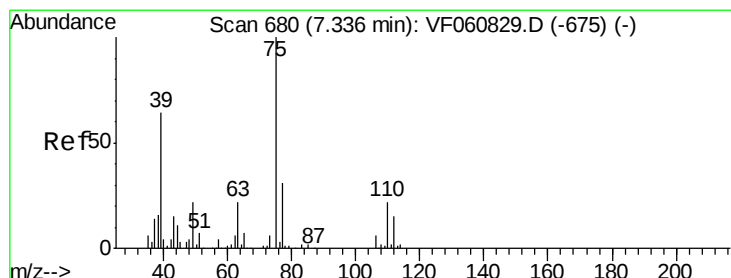
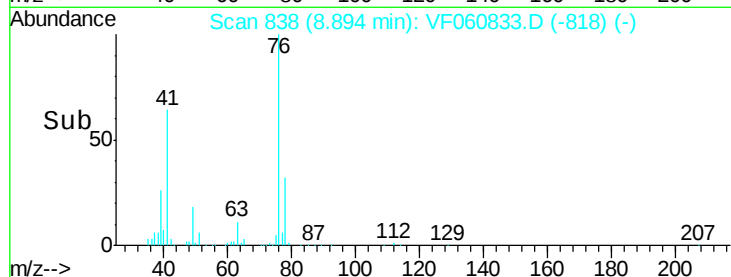
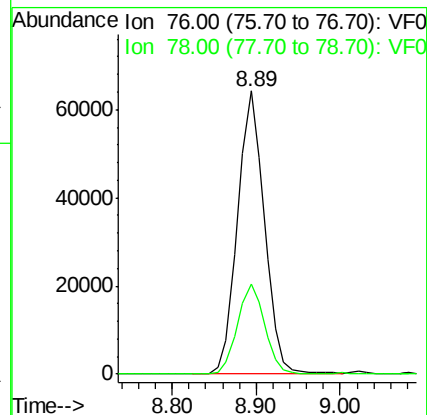
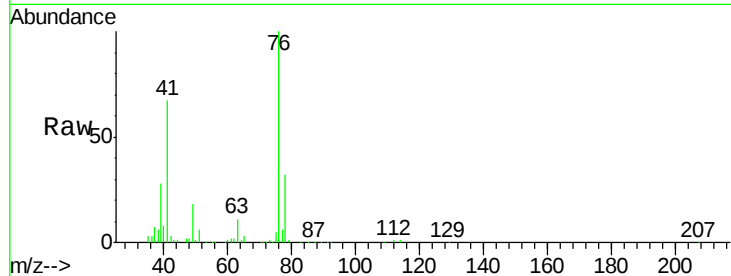
ICVVF112618

Tgt Ion: 76 Resp: 143627

Ion Ratio Lower Upper

76 100

78 32.0 27.0 40.4



#58

2-Chloroethyl Vinyl ether

Concen: 247.965 ug/l

RT: 7.34 min Scan# 680

Delta R.T. -0.00 min

Lab File: VF060833.D

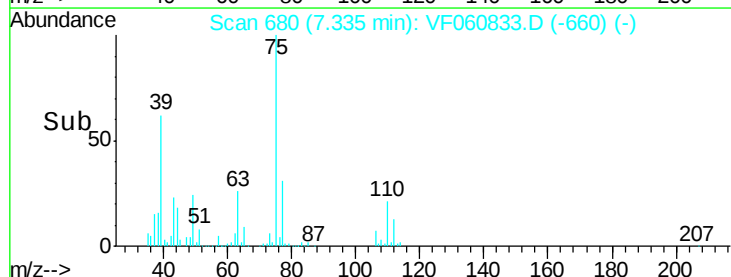
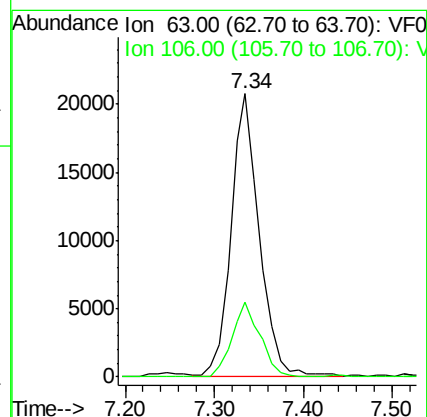
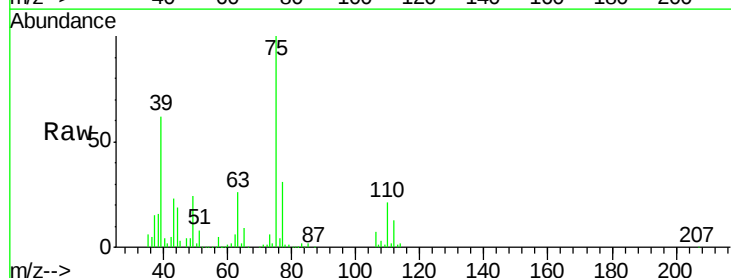
Acq: 26 Nov 2018 20:26

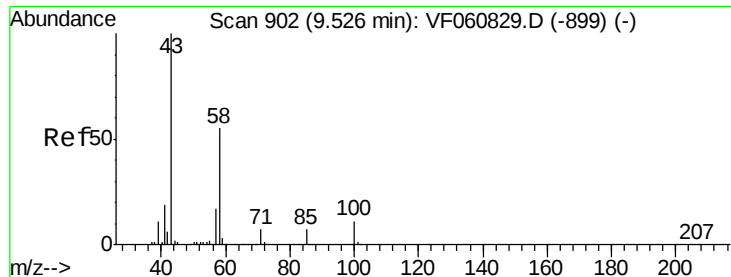
Tgt Ion: 63 Resp: 46289

Ion Ratio Lower Upper

63 100

106 26.5 23.0 34.6

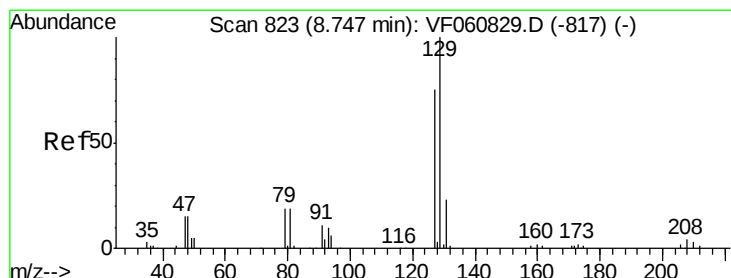
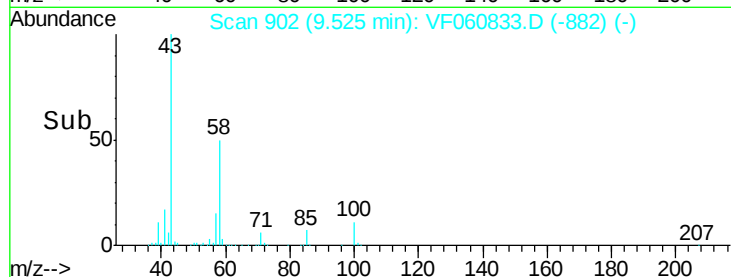
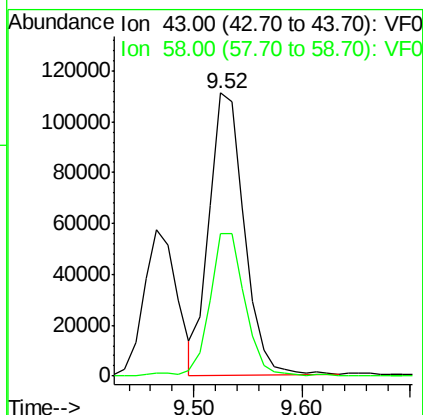
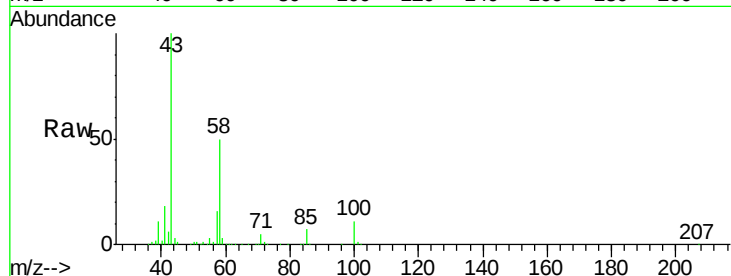




#59
2-Hexanone
Concen: 259.647 ug/l
RT: 9.52 min Scan# 902
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

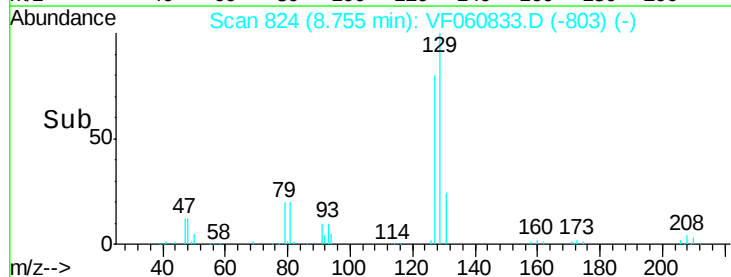
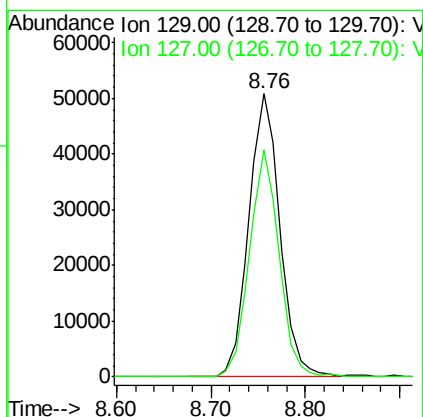
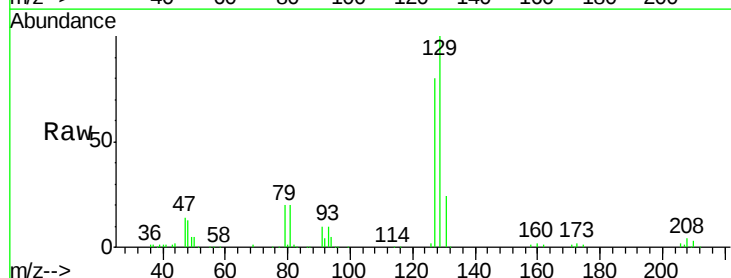
Instrument :
MSVOA_F
ClientSampleId :
ICVVF112618

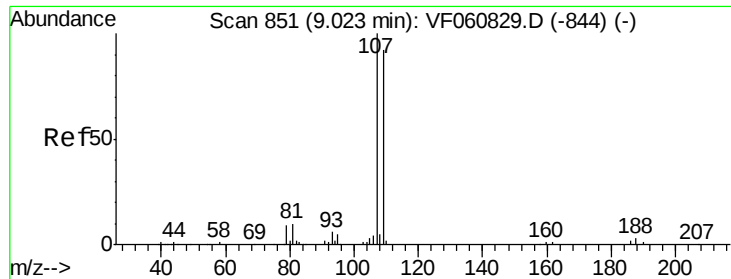
Tgt Ion: 43 Resp: 248022
Ion Ratio Lower Upper
43 100
58 50.4 25.6 76.6



#60
Dibromochloromethane
Concen: 47.470 ug/l
RT: 8.76 min Scan# 824
Delta R.T. 0.01 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Tgt Ion: 129 Resp: 116199
Ion Ratio Lower Upper
129 100
127 80.4 37.3 111.9





#61

1,2-Dibromoethane

Concen: 51.246 ug/l

RT: 9.02 min Scan# 851

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

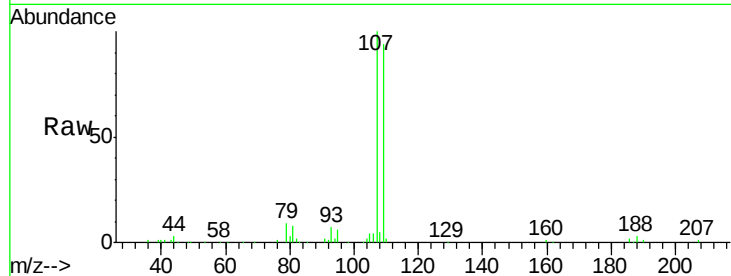
ICVVF112618

Tgt Ion: 107 Resp: 90951

Ion Ratio Lower Upper

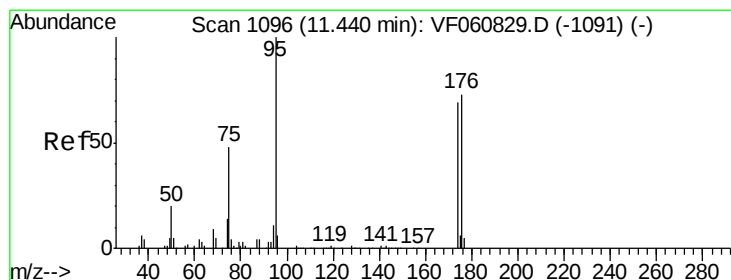
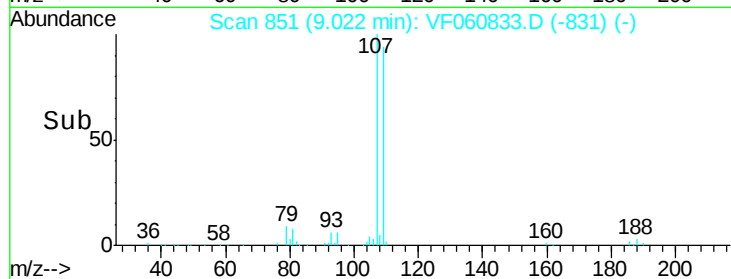
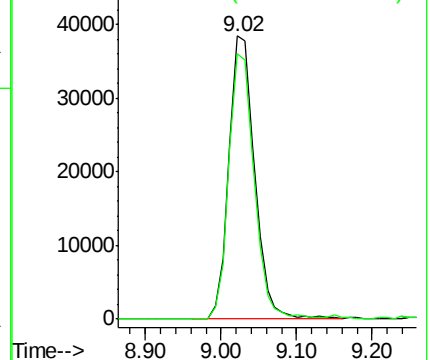
107 100

109 93.6 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: 54.025 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

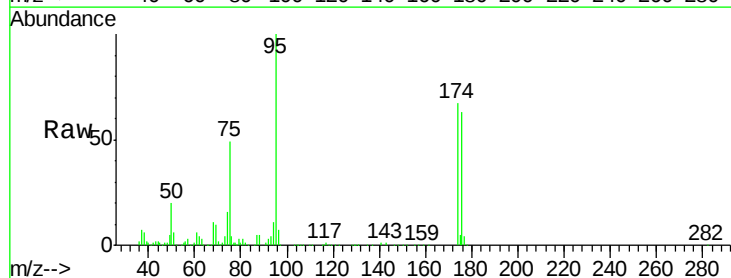
Tgt Ion: 95 Resp: 187959

Ion Ratio Lower Upper

95 100

174 66.7 0.0 138.2

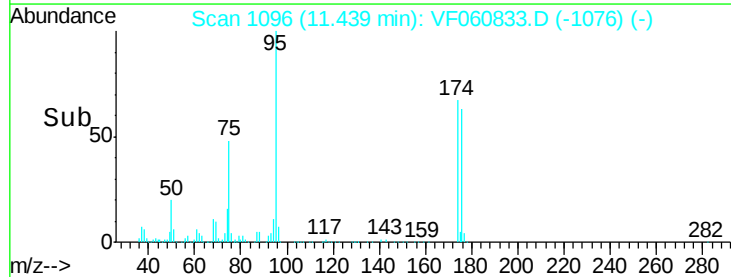
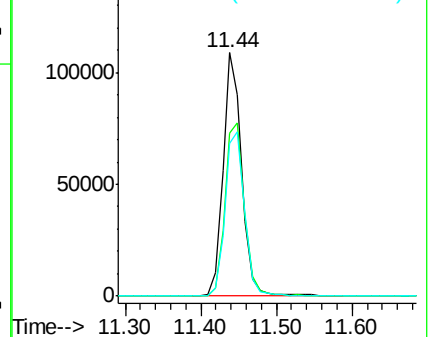
176 63.0 0.0 146.2

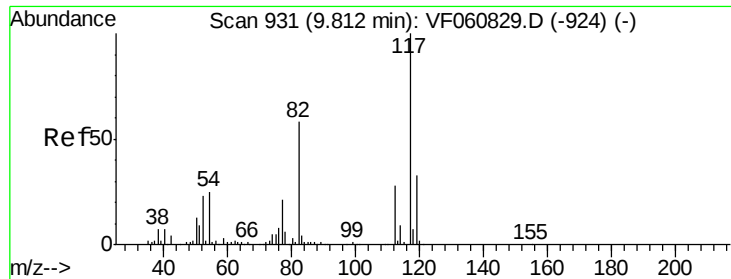


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

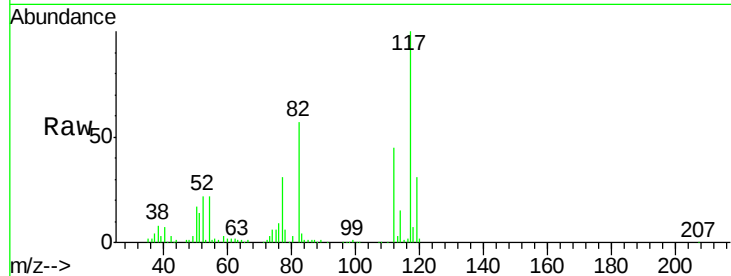




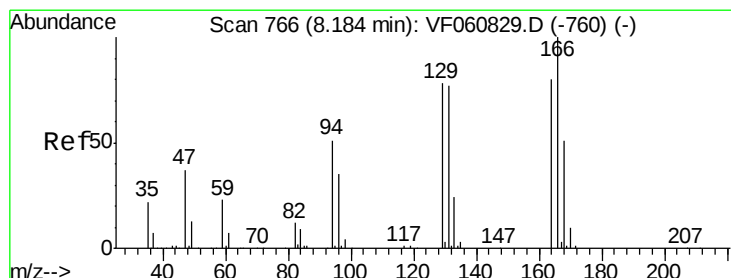
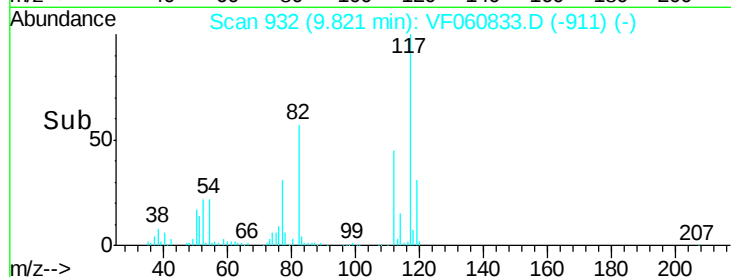
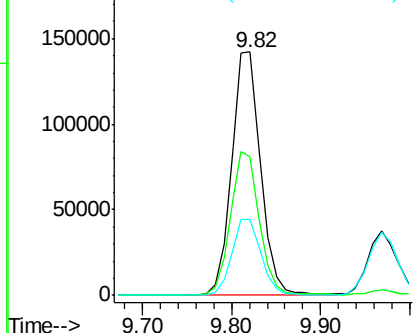
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.82 min Scan# 932
Delta R.T. 0.01 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF112618

Tgt Ion:117 Resp: 325604
Ion Ratio Lower Upper
117 100
82 56.7 46.6 69.8
119 31.4 26.4 39.6

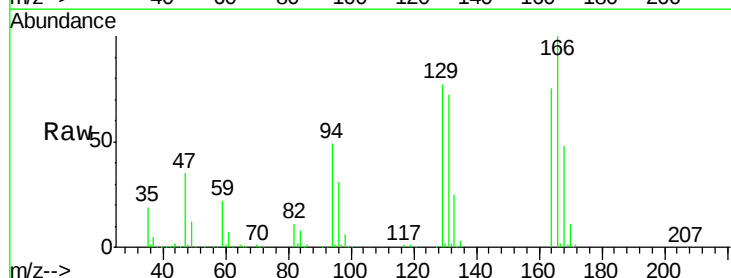


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

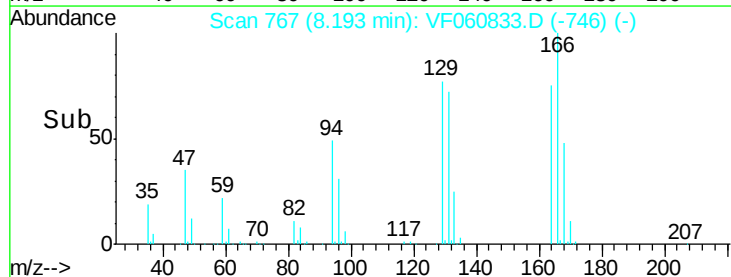
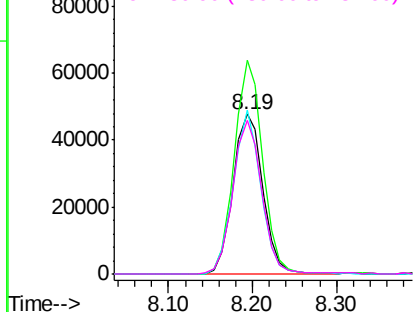


#64
Tetrachloroethene
Concen: 47.299 ug/l
RT: 8.19 min Scan# 767
Delta R.T. 0.01 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Tgt Ion:164 Resp: 117632
Ion Ratio Lower Upper
164 100
166 133.9 100.3 150.5
129 102.8 77.9 116.9
131 96.6 77.5 116.3



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 48.693 ug/l

RT: 9.84 min Scan# 934

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

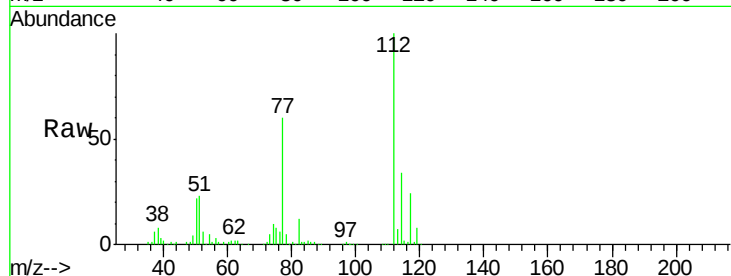
ICVVF112618

Tgt Ion:112 Resp: 308431

Ion Ratio Lower Upper

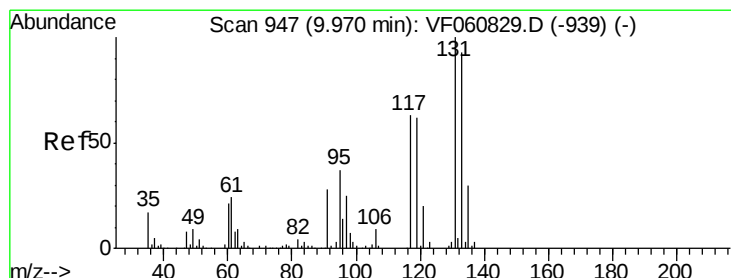
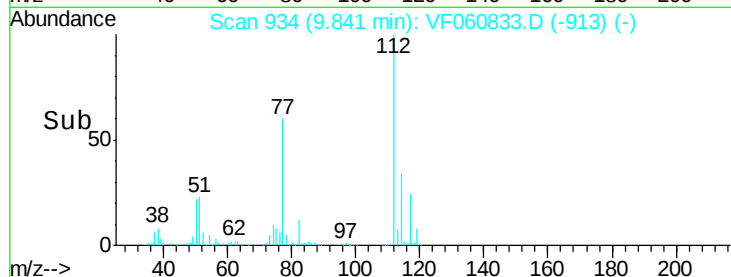
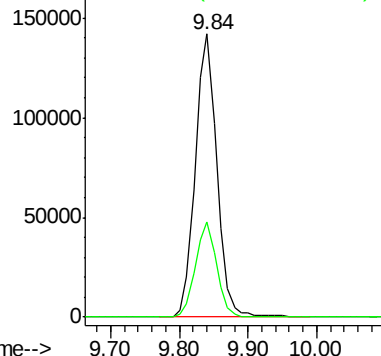
112 100

114 33.7 26.0 39.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 45.706 ug/l

RT: 9.97 min Scan# 947

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

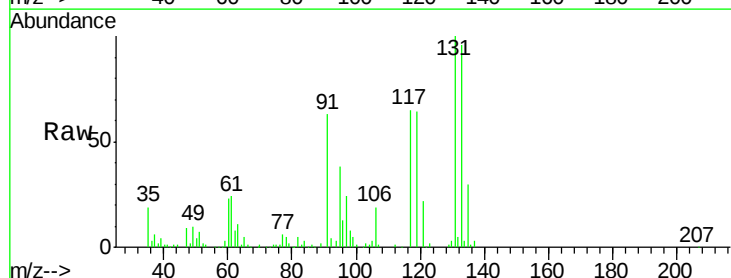
Tgt Ion:131 Resp: 124463

Ion Ratio Lower Upper

131 100

133 96.3 46.5 139.3

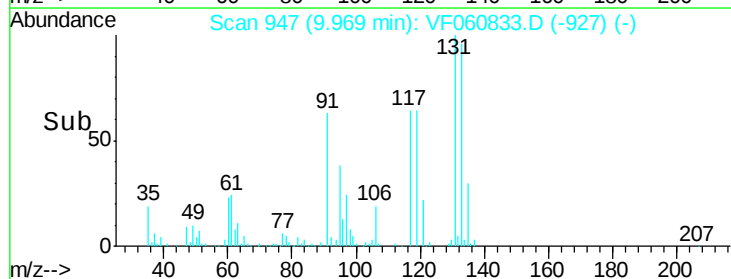
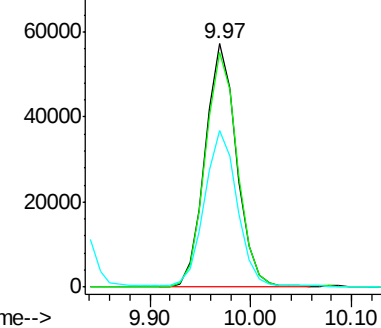
119 64.5 31.1 93.3

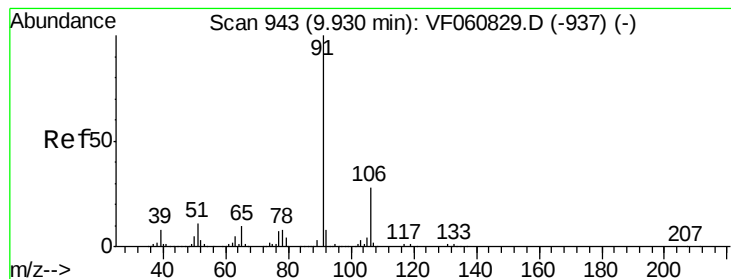


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 48.697 ug/l

RT: 9.94 min Scan# 944

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

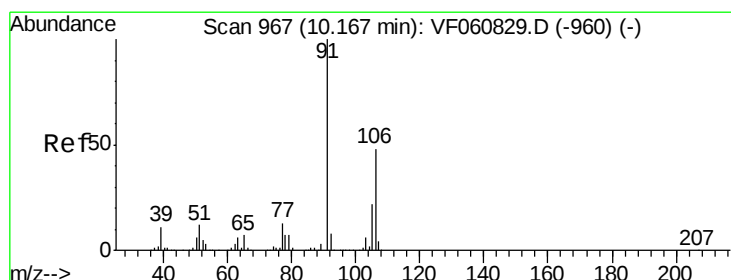
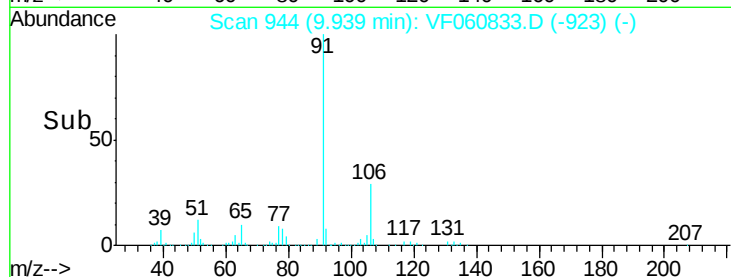
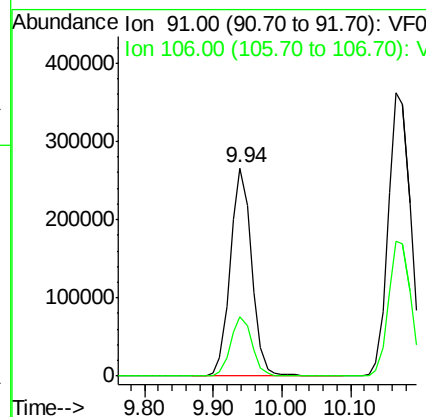
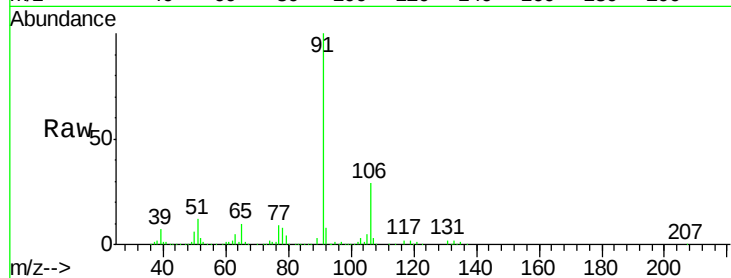
ICVVF112618

Tgt Ion: 91 Resp: 574258

Ion Ratio Lower Upper

91 100

106 28.8 22.2 33.2



#68

m/p-Xylenes

Concen: 91.940 ug/l

RT: 10.17 min Scan# 967

Delta R.T. -0.00 min

Lab File: VF060833.D

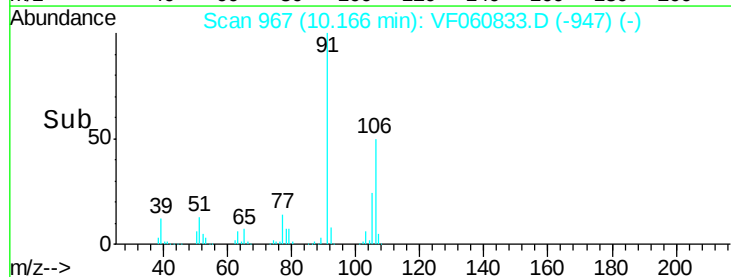
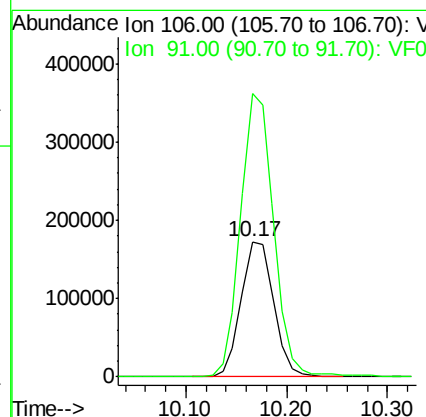
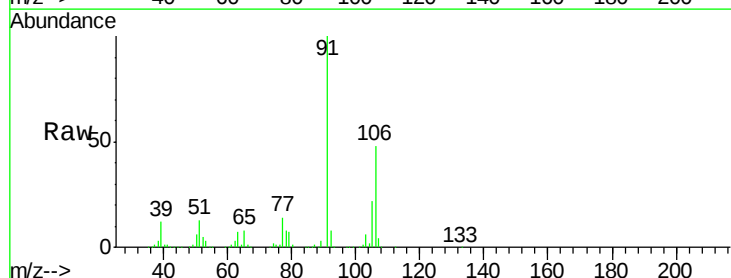
Acq: 26 Nov 2018 20:26

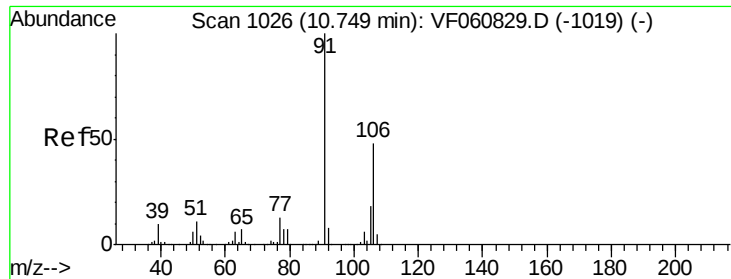
Tgt Ion: 106 Resp: 389944

Ion Ratio Lower Upper

106 100

91 209.2 166.7 250.1

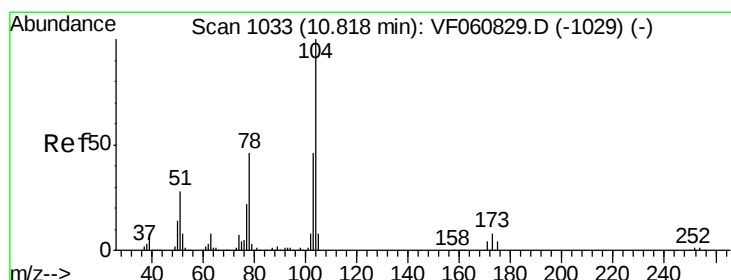
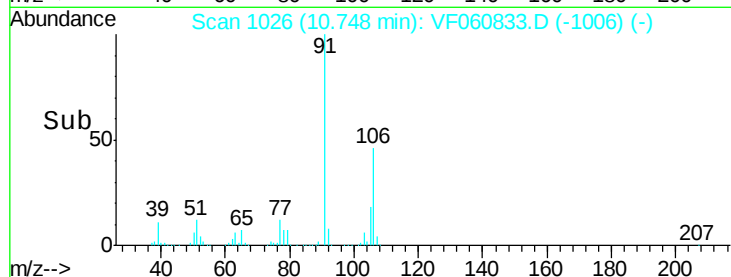
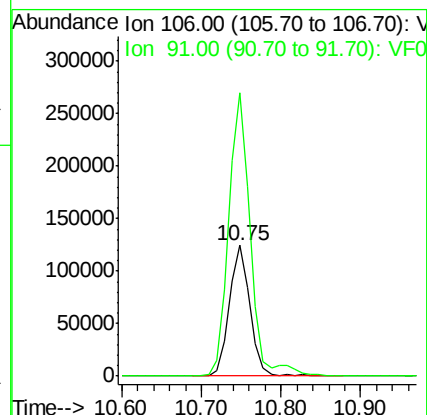
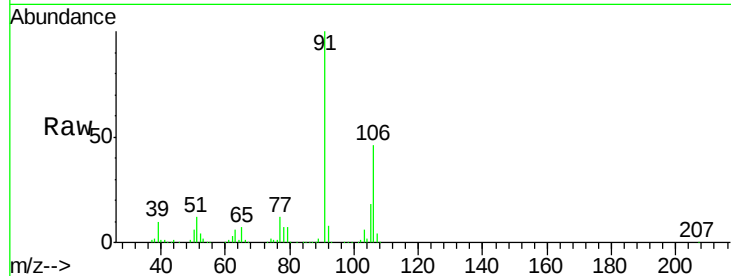




#69
o-Xylene
Concen: 48.960 ug/l
RT: 10.75 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

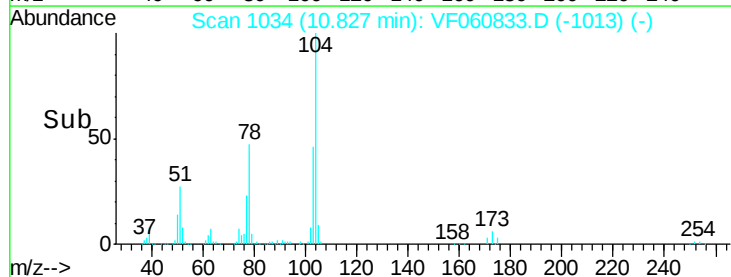
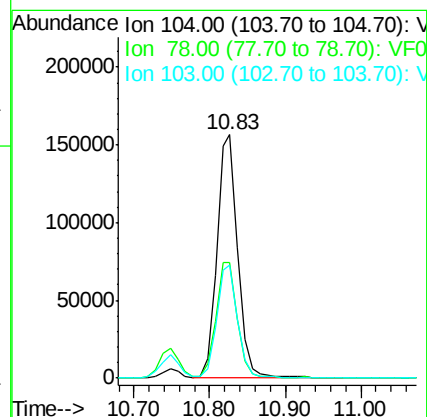
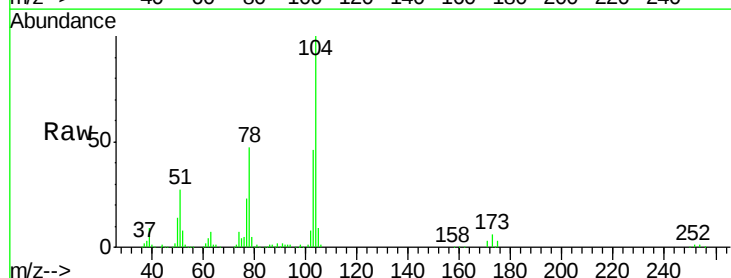
Instrument :
MSVOA_F
ClientSampleId :
ICVVF112618

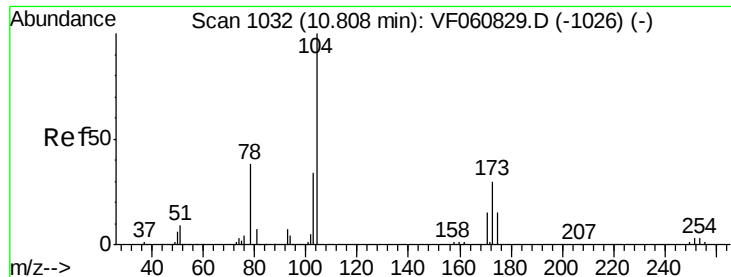
Tgt Ion:106 Resp: 228980
Ion Ratio Lower Upper
106 100
91 216.8 104.8 314.6



#70
Styrene
Concen: 46.590 ug/l
RT: 10.83 min Scan# 1034
Delta R.T. 0.01 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Tgt Ion:104 Resp: 302048
Ion Ratio Lower Upper
104 100
78 47.4 37.3 55.9
103 46.2 36.8 55.2





#71

Bromoform

Concen: 46.922 ug/l

RT: 10.81 min Scan# 1032

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

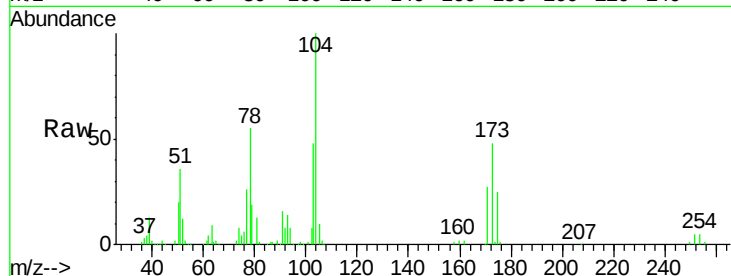
Tgt Ion:173 Resp: 61718

Ion Ratio Lower Upper

173 100

175 51.9 25.5 76.5

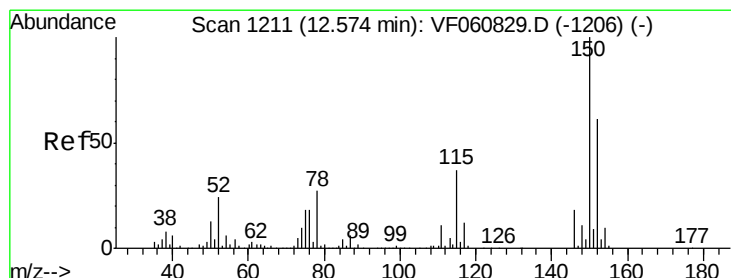
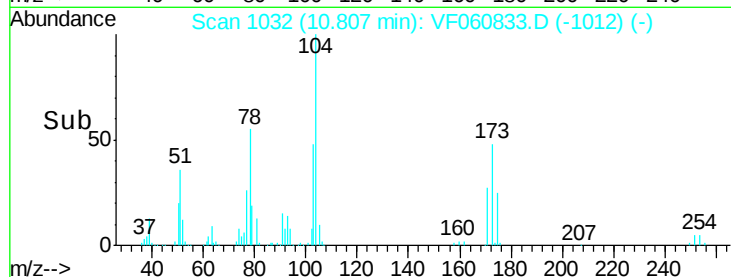
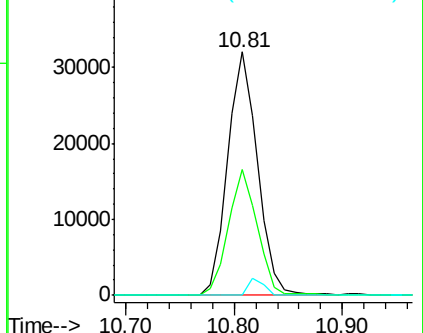
254 0.0 7.5 11.3#



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: 12.58 min Scan# 1212

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

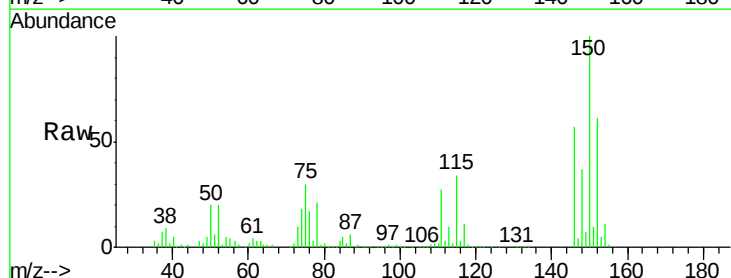
Tgt Ion:152 Resp: 158999

Ion Ratio Lower Upper

152 100

115 55.6 30.1 90.5

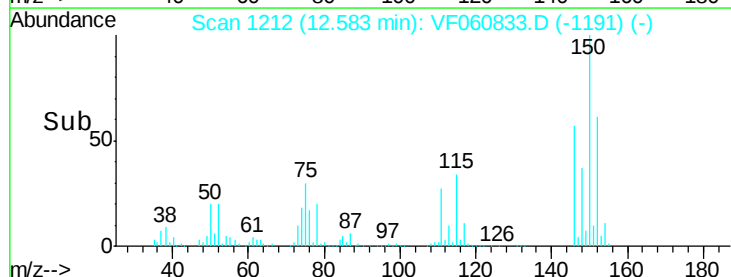
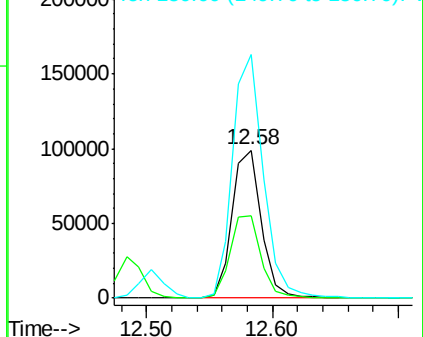
150 164.5 0.0 327.6

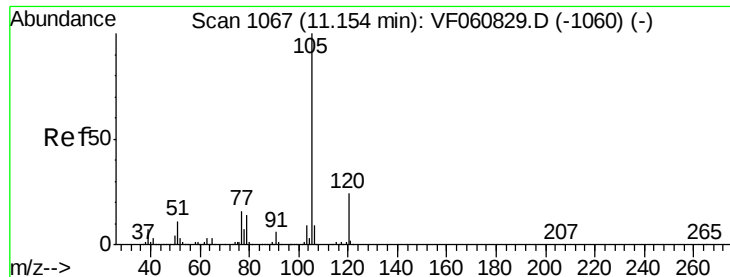


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 50.429 ug/l

RT: 11.15 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

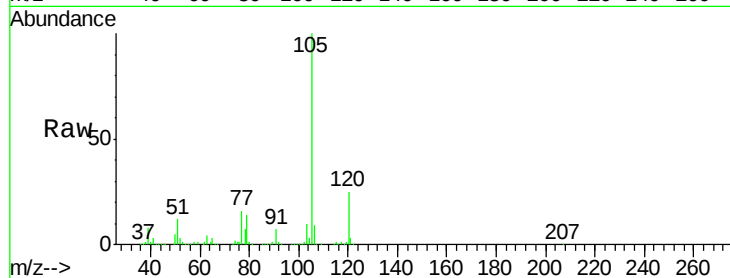
ICVVF112618

Tgt Ion: 105 Resp: 633642

Ion Ratio Lower Upper

105 100

120 25.5 12.2 36.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.15

400000

300000

200000

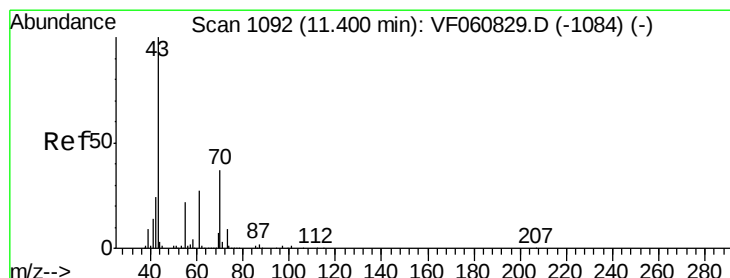
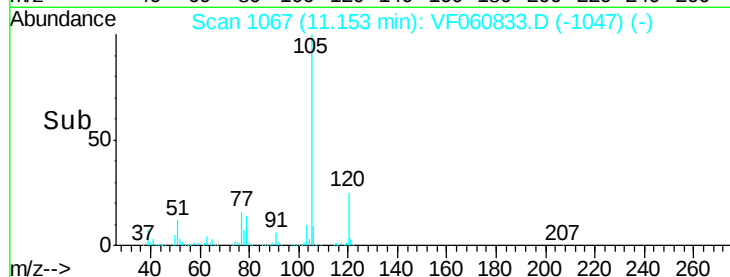
100000

0

Time-->

11.00

11.20



#74

N-ethyl acetate

Concen: 56.209 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Tgt Ion: 43 Resp: 163088

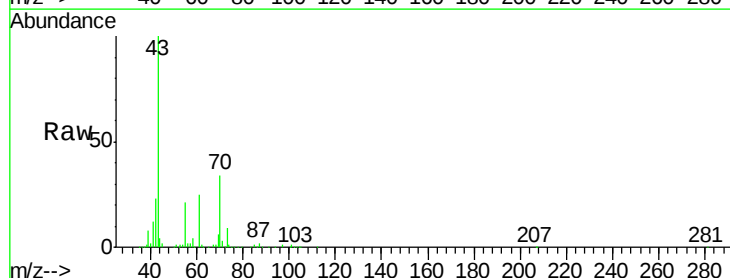
Ion Ratio Lower Upper

43 100

70 34.0 29.6 44.4

55 20.8 17.2 25.8

61 24.8 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

150000

100000

50000

0

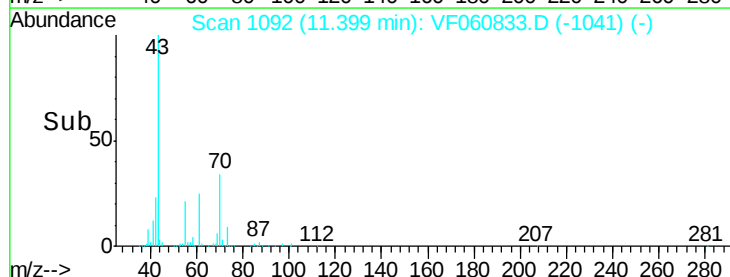
Time-->

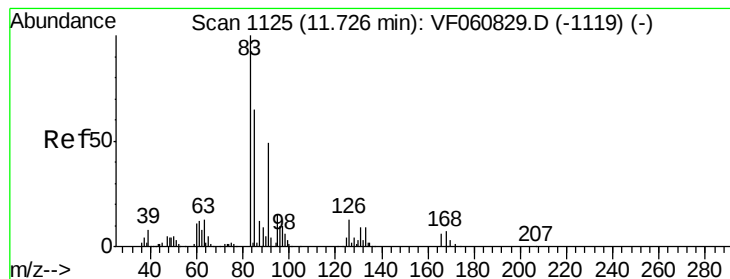
11.30

11.40

11.50

11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 51.979 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

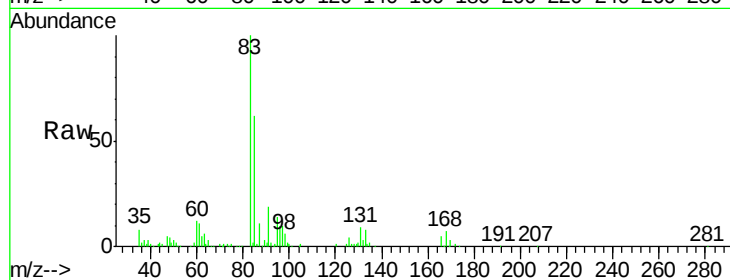
Tgt Ion: 83 Resp: 107489

Ion Ratio Lower Upper

83 100

131 9.0 4.7 14.1

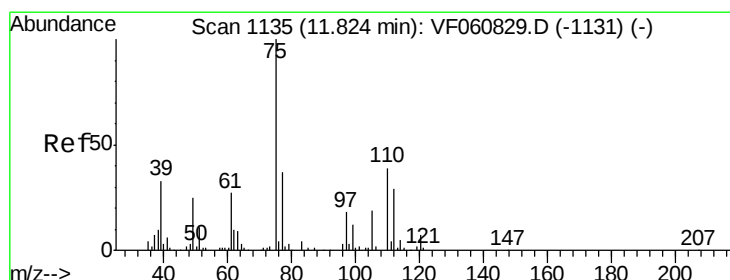
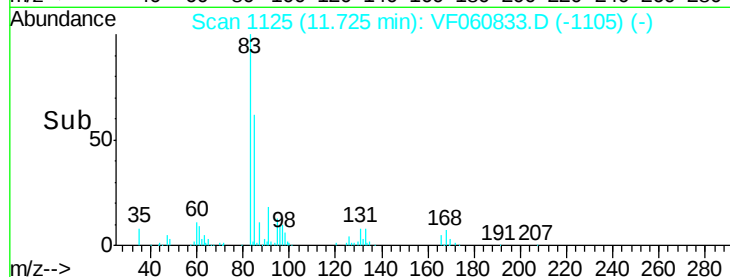
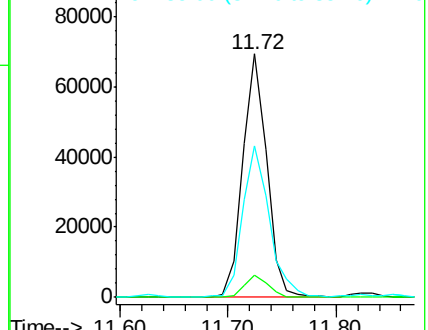
85 61.9 32.6 97.8



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: 51.963 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF060833.D

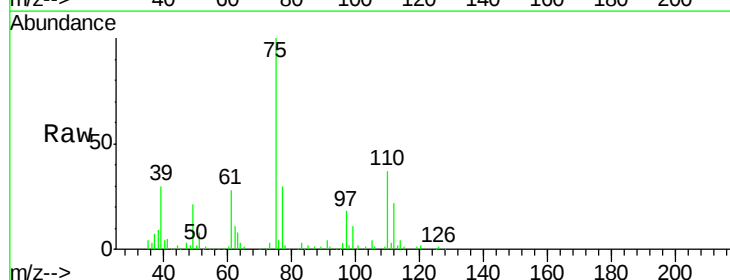
Acq: 26 Nov 2018 20:26

Tgt Ion: 75 Resp: 78106

Ion Ratio Lower Upper

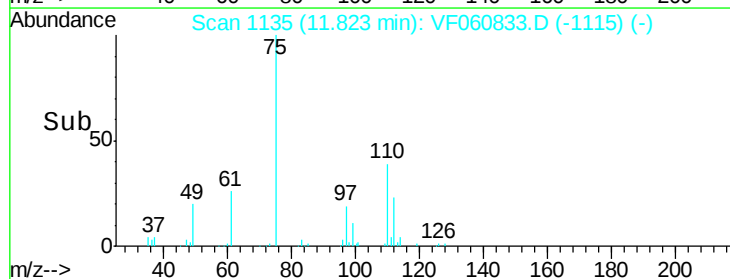
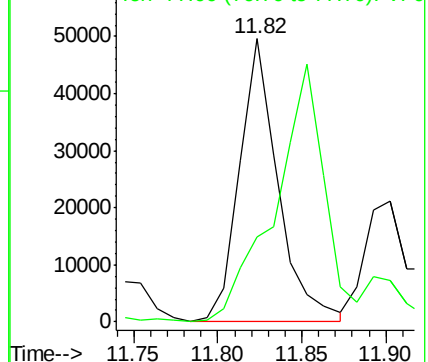
75 100

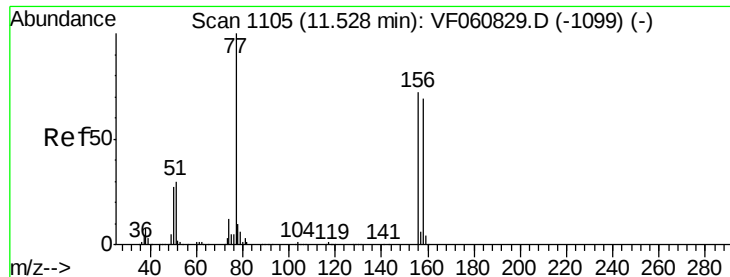
77 30.1 18.4 55.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 49.518 ug/l

RT: 11.53 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

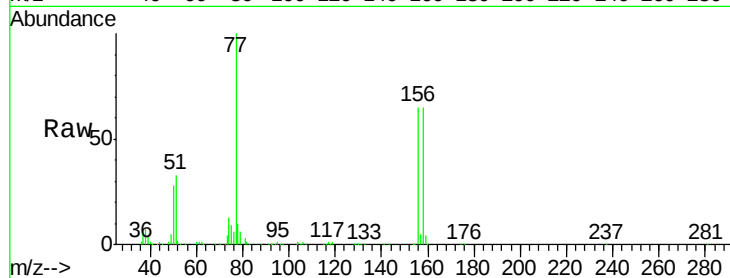
Tgt Ion:156 Resp: 136409

Ion Ratio Lower Upper

156 100

77 154.6 69.7 209.0

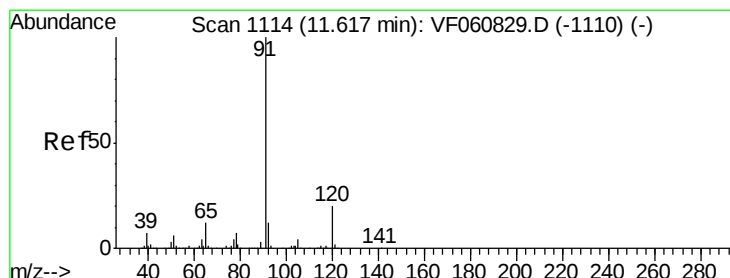
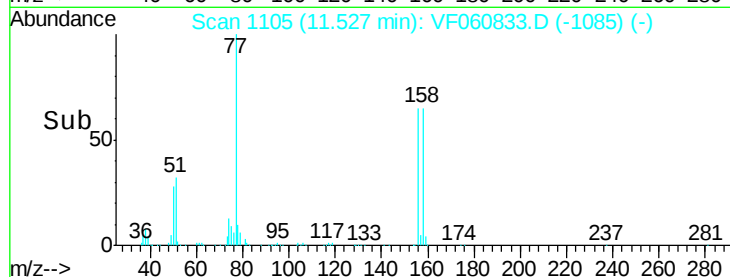
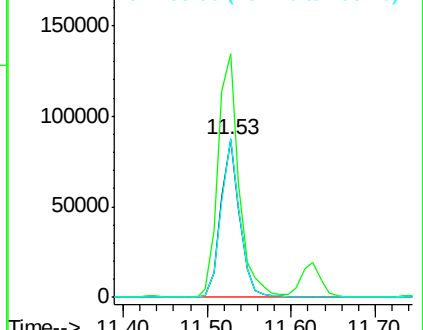
158 100.7 47.8 143.4



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: 50.679 ug/l

RT: 11.63 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VF060833.D

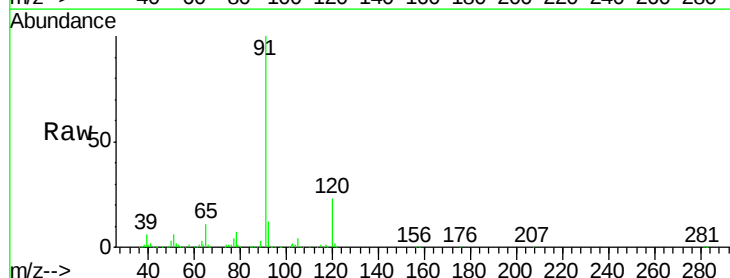
Acq: 26 Nov 2018 20:26

Tgt Ion: 91 Resp: 745715

Ion Ratio Lower Upper

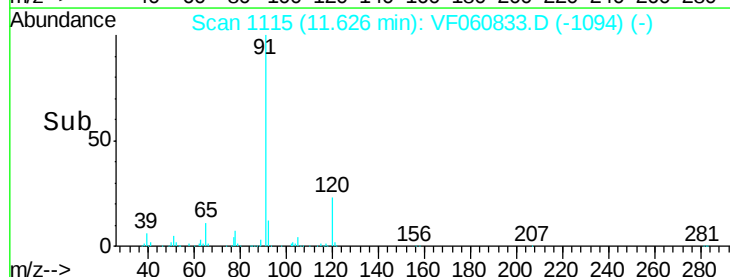
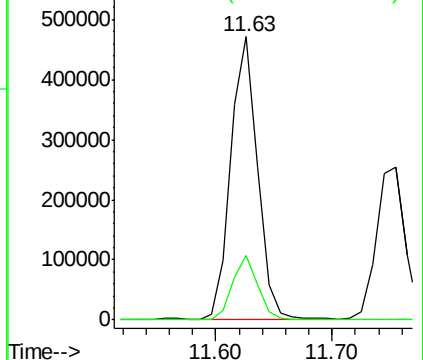
91 100

120 22.7 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

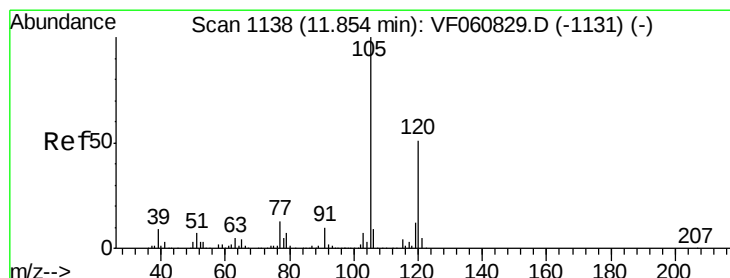
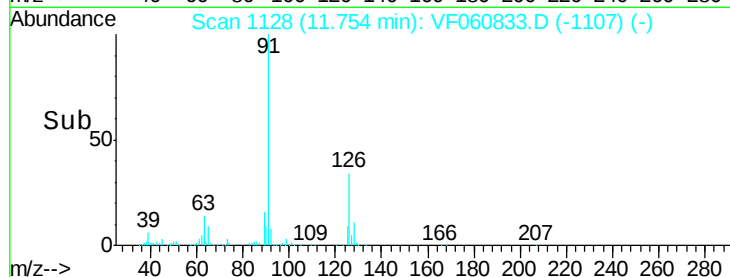
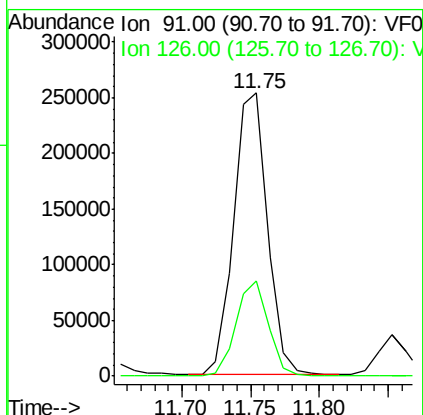
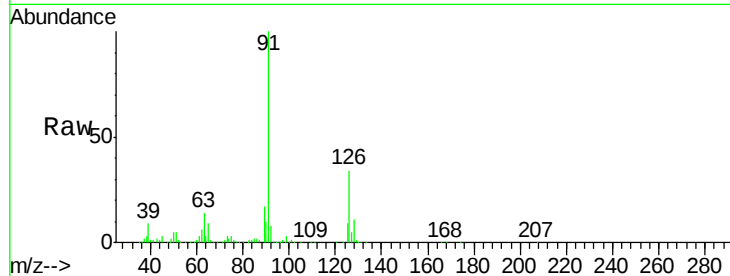




#79
 2-Chlorotoluene
 Concen: 51.044 ug/l
 RT: 11.75 min Scan# 1128
 Delta R.T. 0.01 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

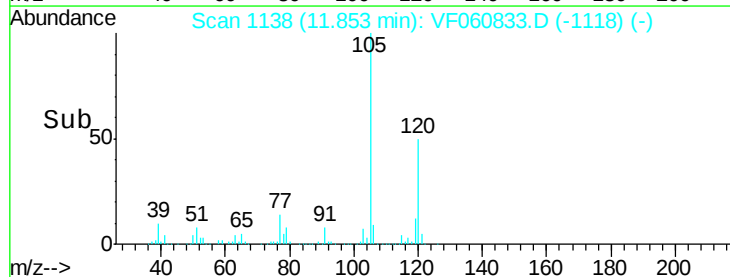
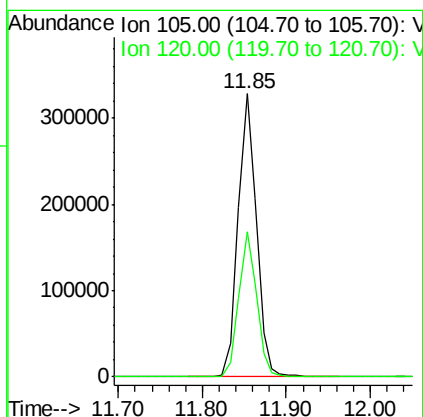
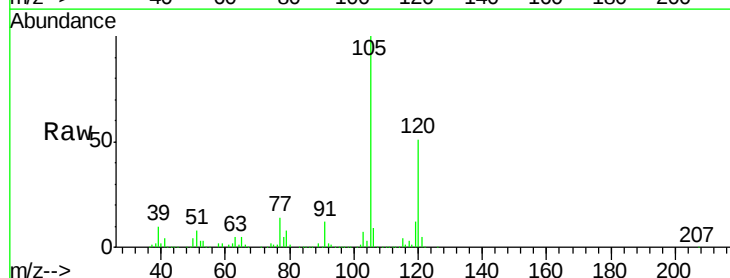
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF112618

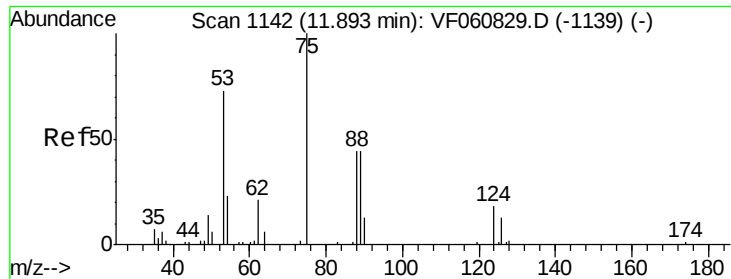
Tgt Ion: 91 Resp: 430667
 Ion Ratio Lower Upper
 91 100
 126 33.9 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 48.872 ug/l
 RT: 11.85 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

Tgt Ion: 105 Resp: 498511
 Ion Ratio Lower Upper
 105 100
 120 51.2 25.8 77.3

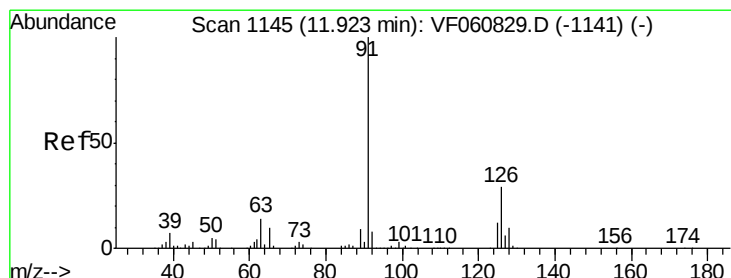
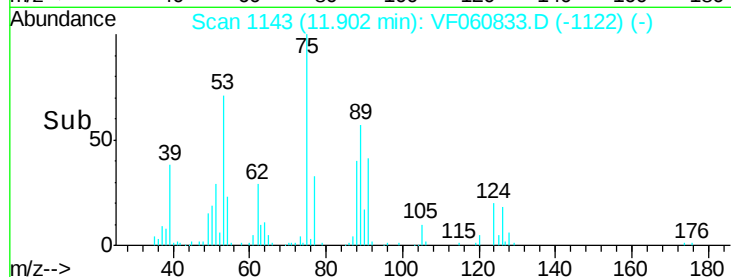
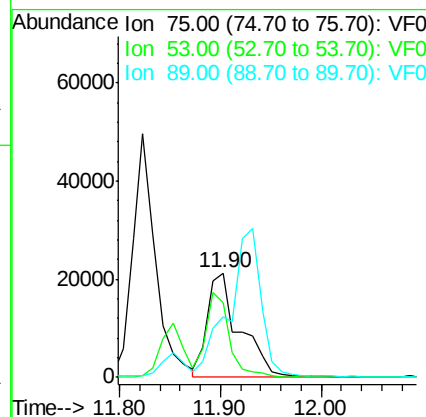
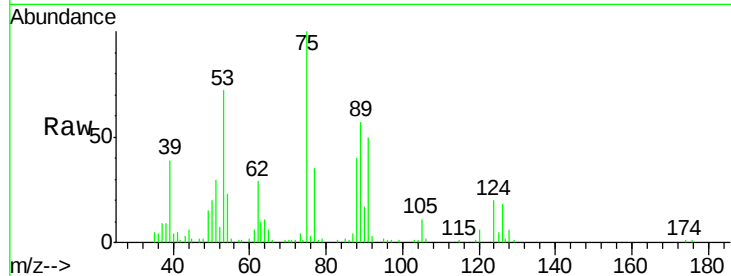




#81
trans-1,4-Dichloro-2-butene
Concen: 65.473 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

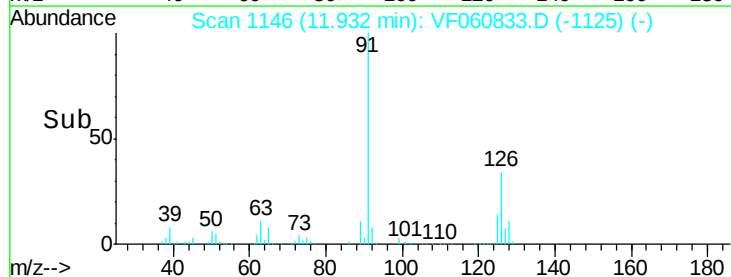
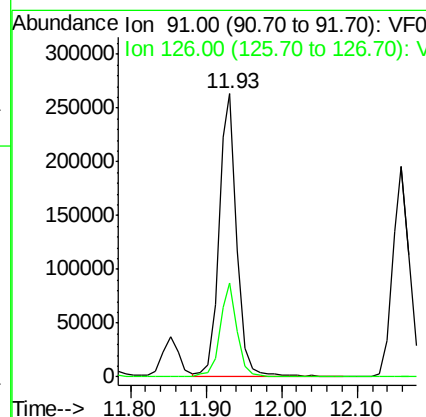
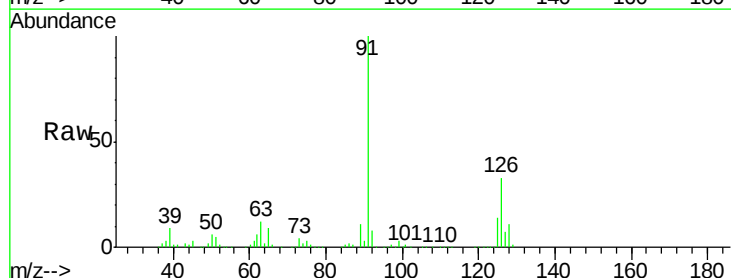
Instrument :
MSVOA_F
ClientSampleId :
ICVVF112618

Tgt Ion: 75 Resp: 48218
Ion Ratio Lower Upper
75 100
53 71.5 65.9 98.9
89 57.4 38.8 58.2



#82
4-Chlorotoluene
Concen: 48.486 ug/l
RT: 11.93 min Scan# 1146
Delta R.T. 0.01 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Tgt Ion: 91 Resp: 430512
Ion Ratio Lower Upper
91 100
126 33.4 14.8 44.4

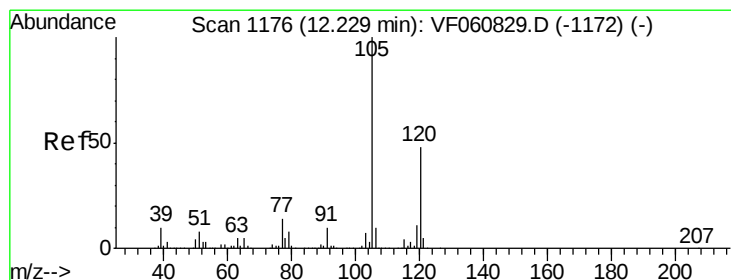
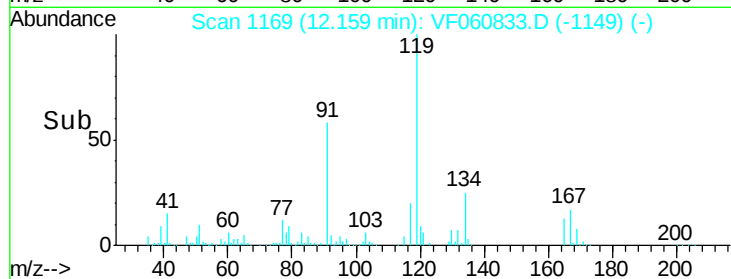
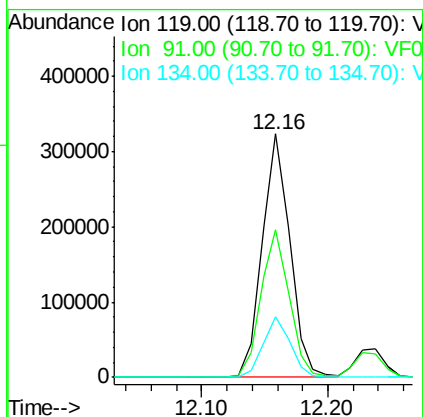
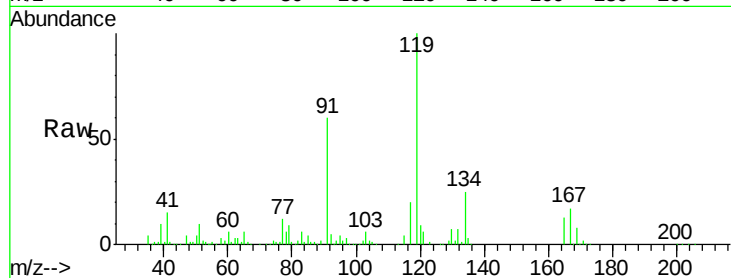




#83
 tert-Butylbenzene
 Concen: 47.925 ug/l
 RT: 12.16 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

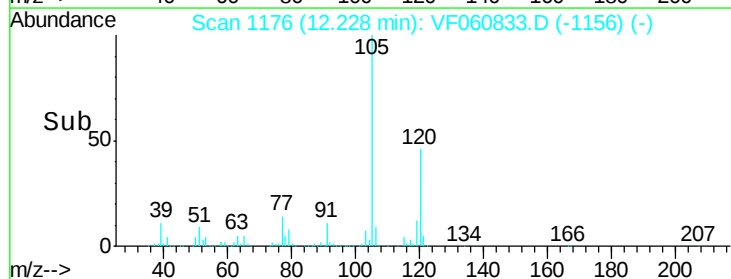
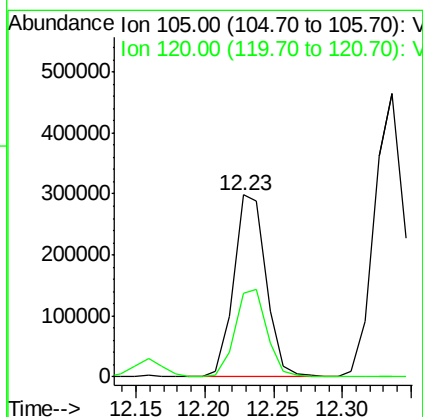
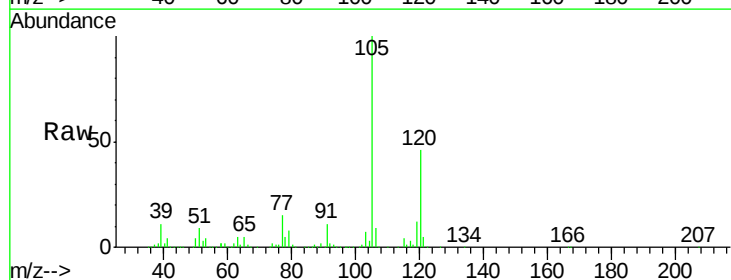
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF112618

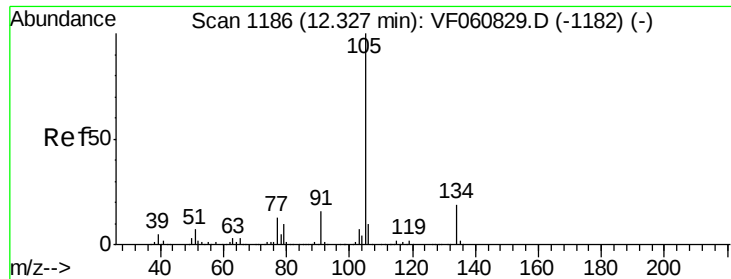
Tgt Ion:119 Resp: 497964
 Ion Ratio Lower Upper
 119 100
 91 60.5 30.1 90.3
 134 24.7 12.6 37.8



#84
 1,2,4-Trimethylbenzene
 Concen: 48.175 ug/l
 RT: 12.23 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

Tgt Ion:105 Resp: 490438
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.8 71.5

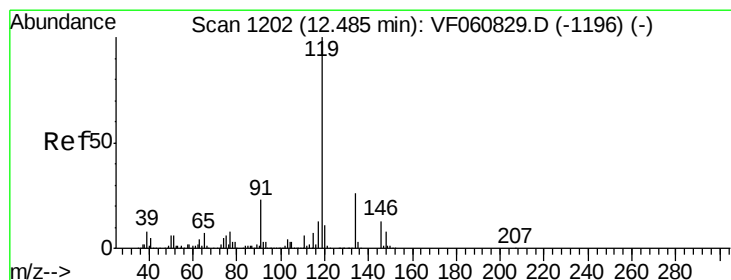
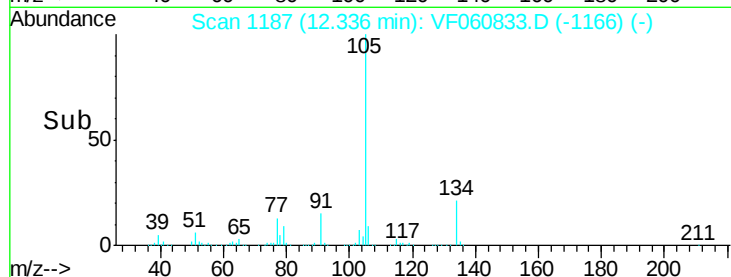
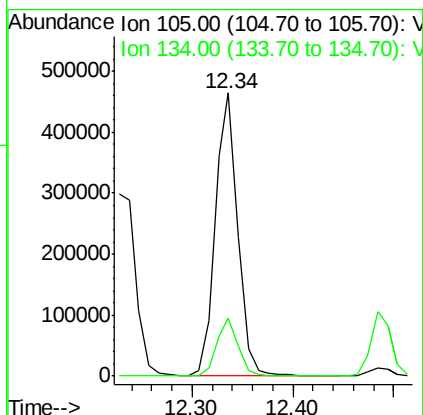
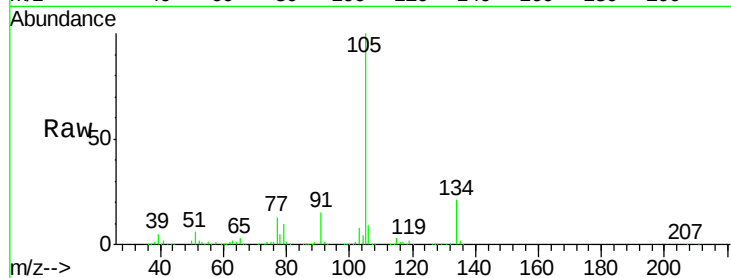




#85
 sec-Butylbenzene
 Concen: 50.272 ug/l
 RT: 12.34 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

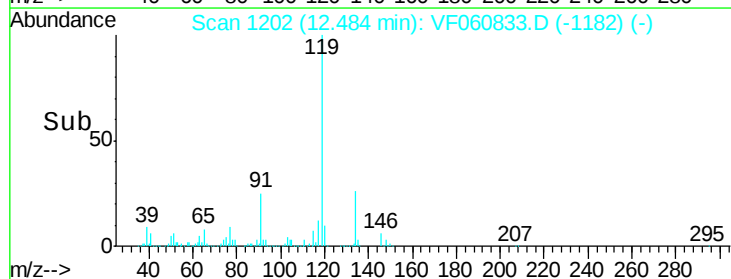
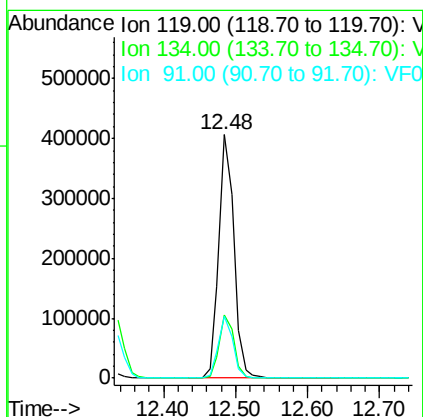
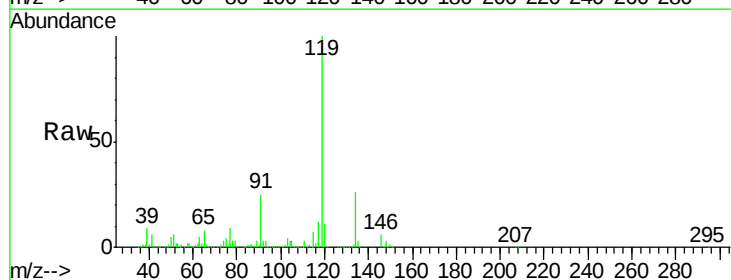
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF112618

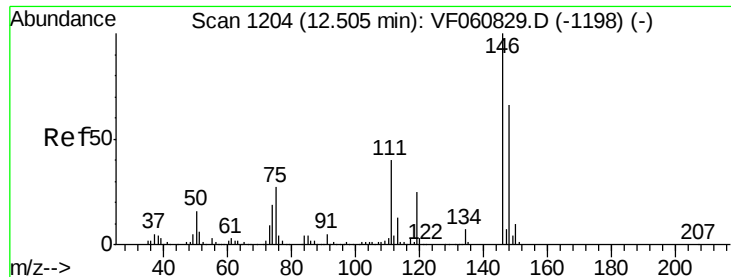
Tgt Ion:105 Resp: 715067
 Ion Ratio Lower Upper
 105 100
 134 20.6 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 48.985 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

Tgt Ion:119 Resp: 584161
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.9 38.6
 91 25.3 11.8 35.3

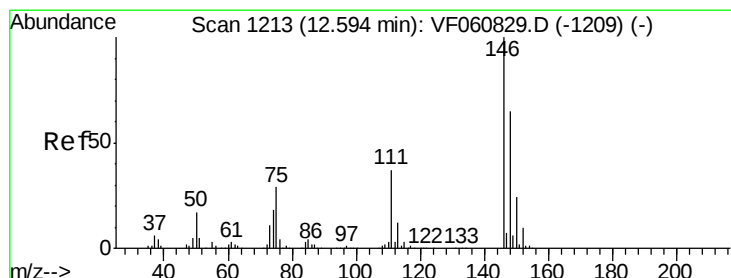
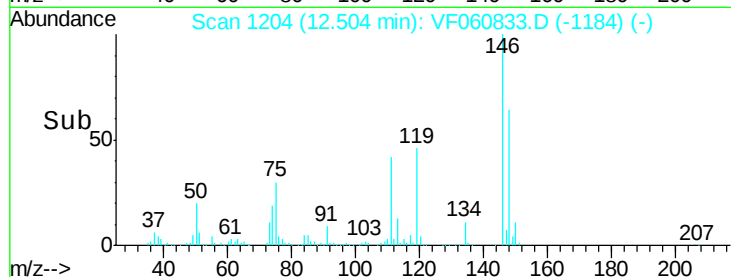
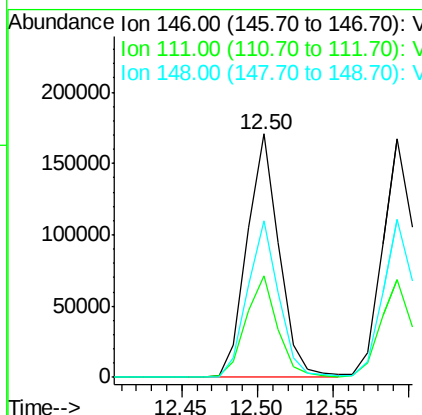
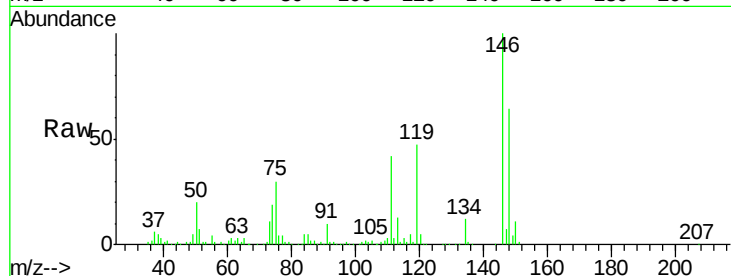




#87
 1,3-Dichlorobenzene
 Concen: 48.355 ug/l
 RT: 12.50 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

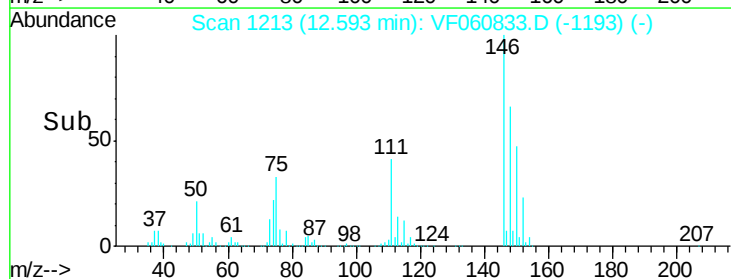
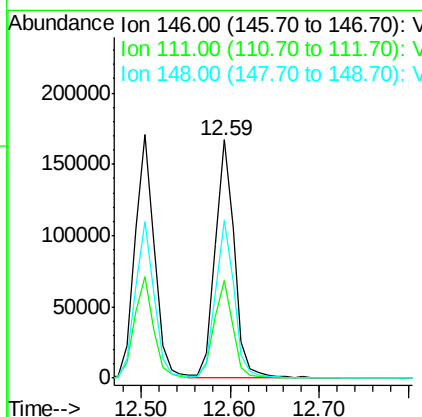
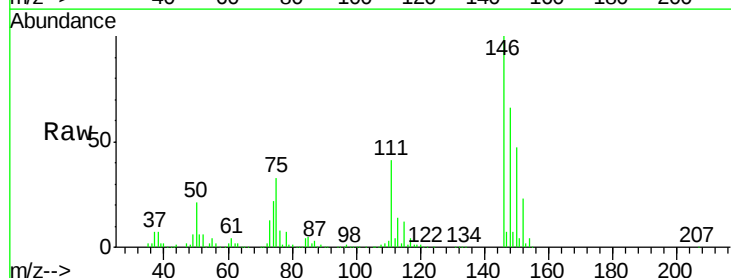
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF112618

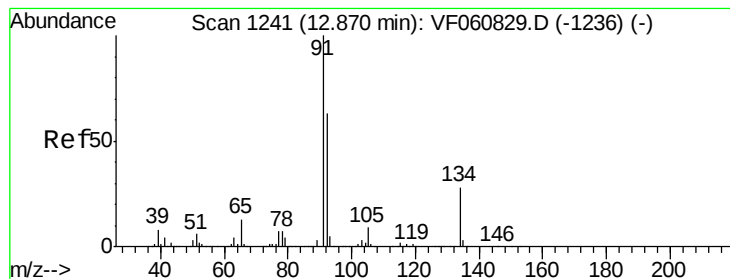
Tgt Ion:146 Resp: 253377
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.0 59.9
 148 64.4 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 49.191 ug/l
 RT: 12.59 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

Tgt Ion:146 Resp: 251190
 Ion Ratio Lower Upper
 146 100
 111 40.7 18.9 56.7
 148 66.0 32.3 96.9





#89

n-Butylbenzene

Concen: 47.106 ug/l

RT: 12.87 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

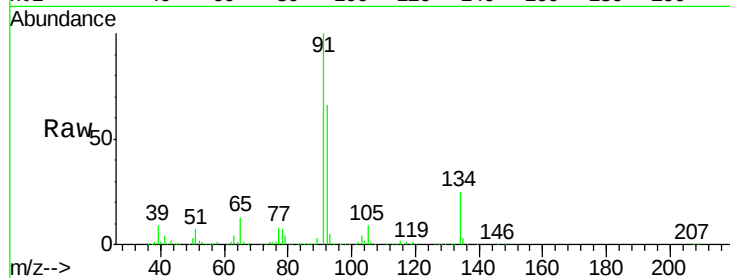
Tgt Ion: 91 Resp: 568017

Ion Ratio Lower Upper

91 100

92 65.9 31.6 94.7

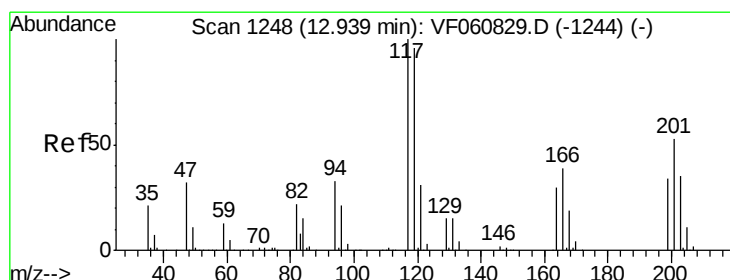
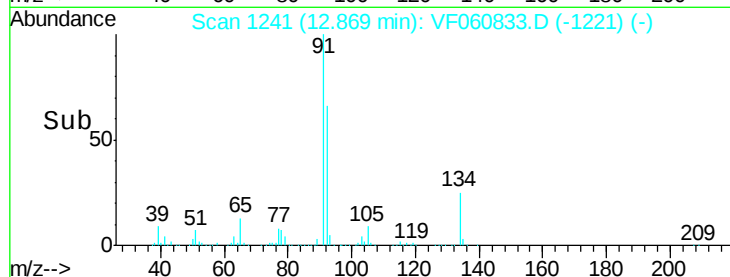
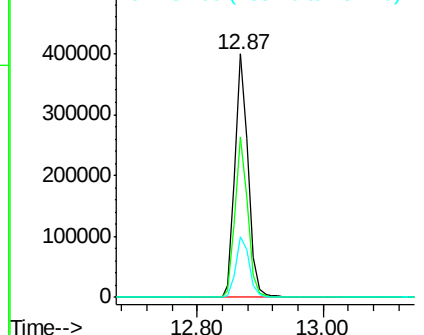
134 24.9 13.8 41.4



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: 50.770 ug/l

RT: 12.95 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VF060833.D

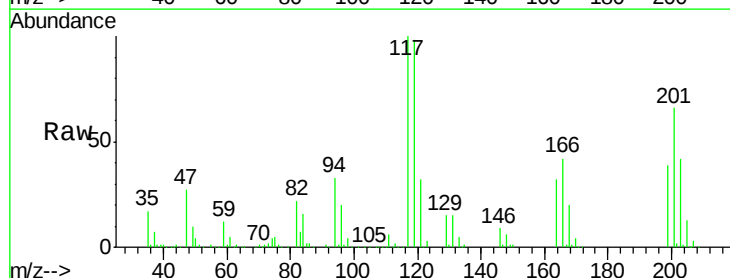
Acq: 26 Nov 2018 20:26

Tgt Ion: 117 Resp: 145792

Ion Ratio Lower Upper

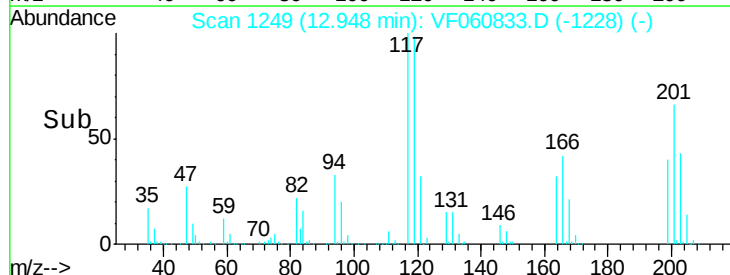
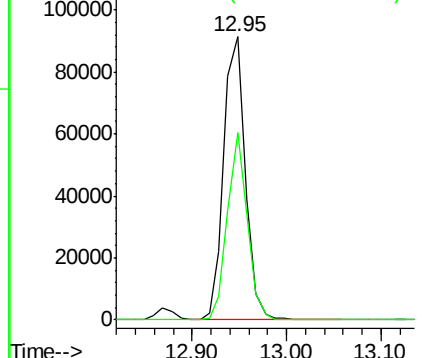
117 100

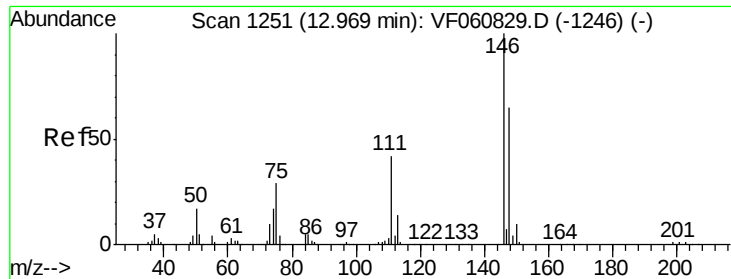
201 66.1 26.7 80.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

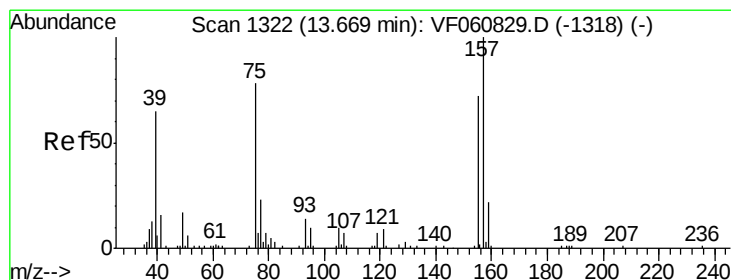
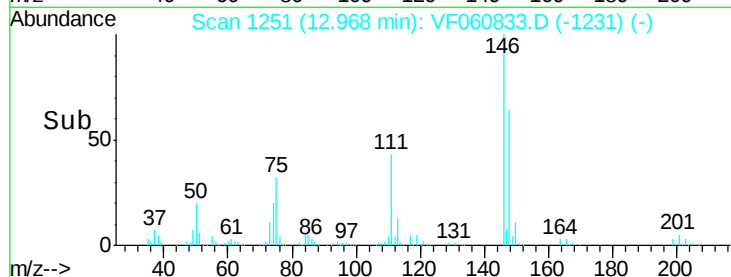
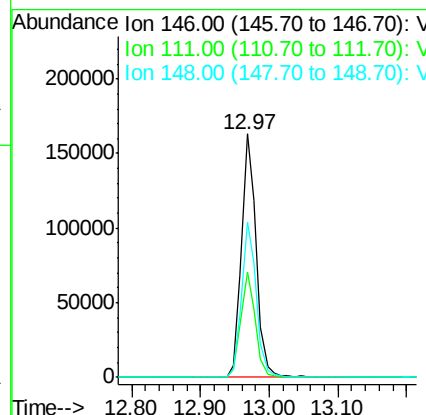
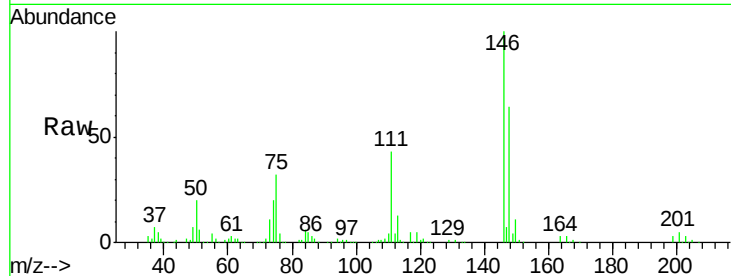




#91
 1,2-Dichlorobenzene
 Concen: 48.528 ug/l
 RT: 12.97 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

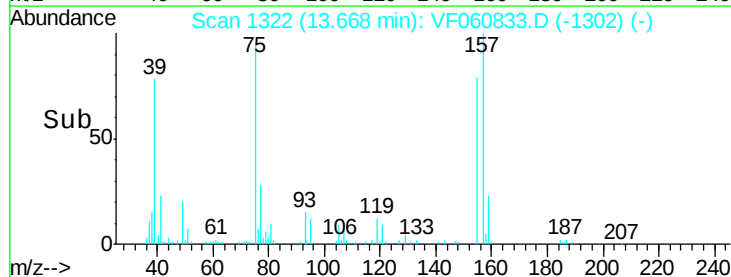
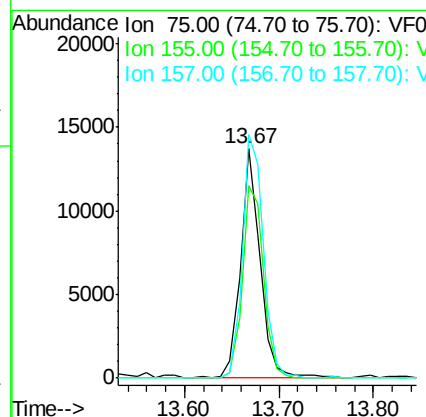
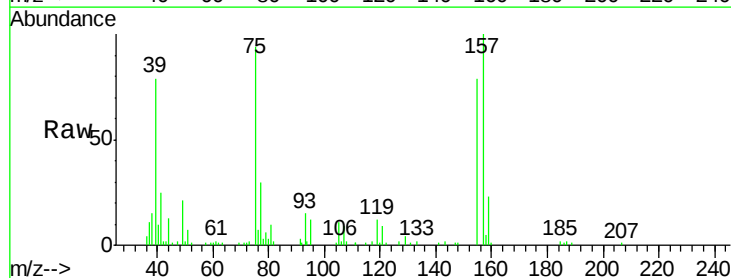
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF112618

Tgt Ion: 146 Resp: 240801
 Ion Ratio Lower Upper
 146 100
 111 43.4 21.2 63.6
 148 63.6 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.561 ug/l
 RT: 13.67 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

Tgt Ion: 75 Resp: 19815
 Ion Ratio Lower Upper
 75 100
 155 84.0 45.6 136.9
 157 106.4 63.8 191.5

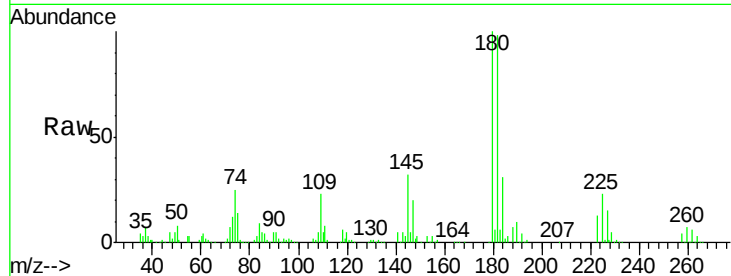




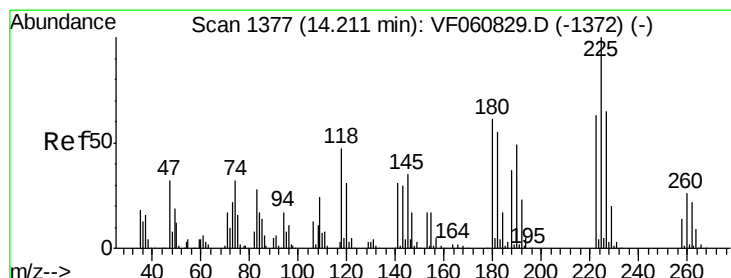
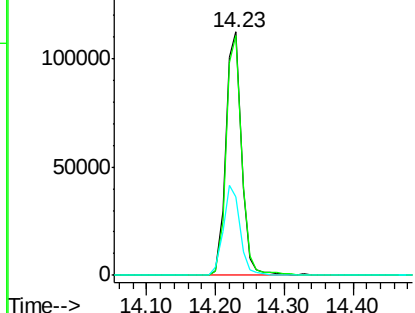
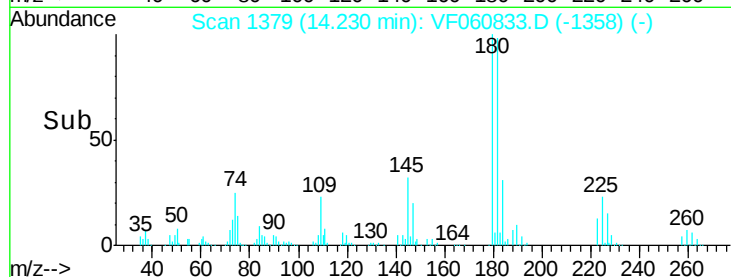
#93
 1,2,4-Trichlorobenzene
 Concen: 51.682 ug/l
 RT: 14.23 min Scan# 1379
 Delta R.T. 0.01 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF112618

Tgt Ion:180 Resp: 179189
 Ion Ratio Lower Upper
 180 100
 182 98.2 48.5 145.5
 145 32.1 18.1 54.3

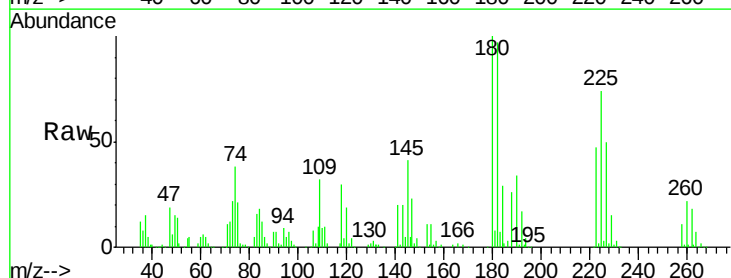


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

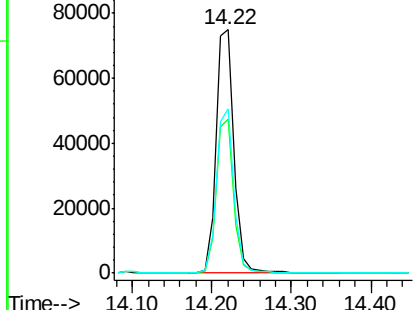
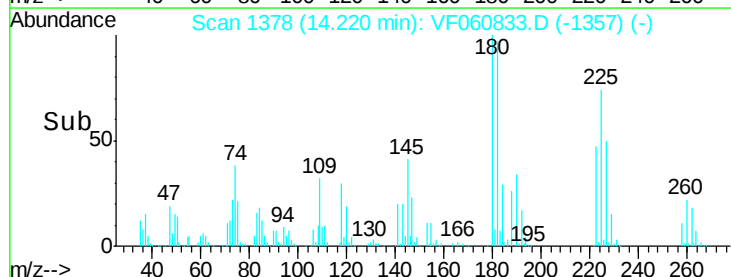


#94
 Hexachlorobutadiene
 Concen: 51.565 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. 0.01 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

Tgt Ion:225 Resp: 119182
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.4 94.3
 227 67.2 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: 55.147 ug/l

RT: 14.49 min Scan# 1405

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

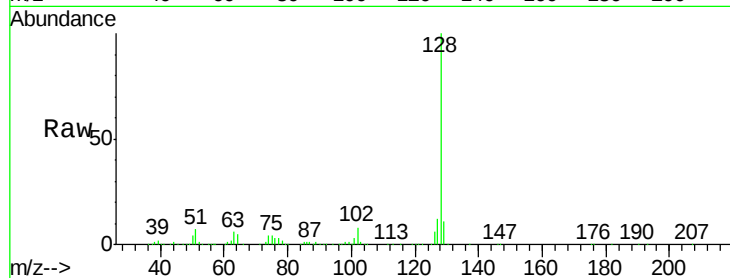
Tgt Ion:128 Resp: 368690

Ion Ratio Lower Upper

128 100

127 11.6 9.9 14.9

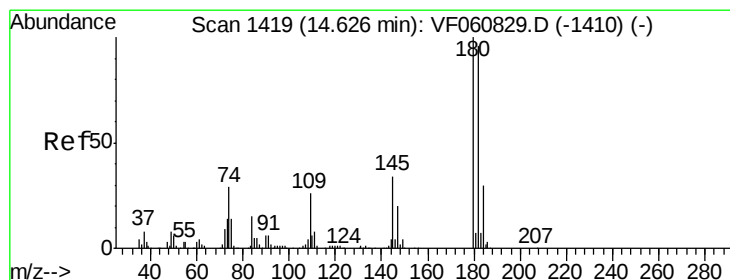
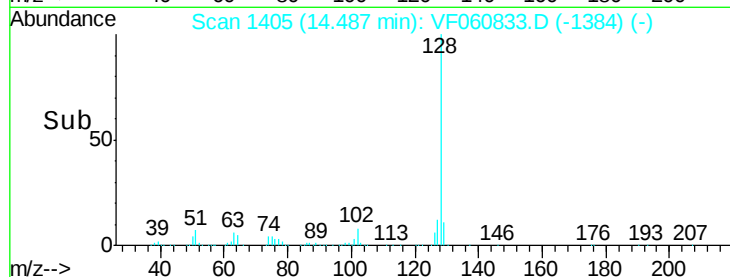
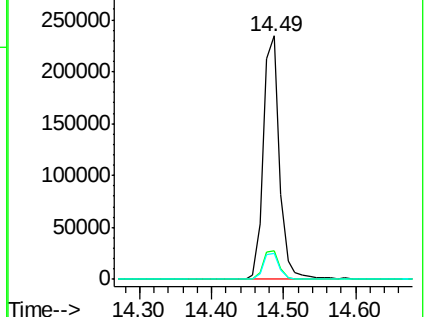
129 10.7 9.1 13.7



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: 53.239 ug/l

RT: 14.62 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

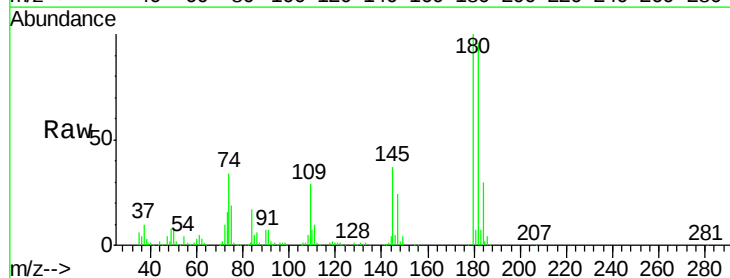
Tgt Ion:180 Resp: 171394

Ion Ratio Lower Upper

180 100

182 96.3 47.9 143.8

145 37.3 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

