

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112618\
 Data File : VF060830.D
 Acq On : 26 Nov 2018 18:59
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: Nov 27 00:37:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 00:28:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	189346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.63	114	306713	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.81	117	294102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	152348	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.88	65	157253	71.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.40%	
35) Dibromofluoromethane	4.15	113	164362	69.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	138.68%	
50) Toluene-d8	7.59	98	503288	72.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.20%	
62) 4-Bromofluorobenzene	11.44	95	219246	68.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	193511	59.204	ug/l	98
3) Chloromethane	1.11	50	120556	60.079	ug/l	97
4) Vinyl Chloride	1.15	62	115274	63.169	ug/l	96
5) Bromomethane	1.35	94	79713	67.457	ug/l	99
6) Chloroethane	1.40	64	52543	73.575	ug/l	93
7) Trichlorofluoromethane	1.50	101	185737	46.257	ug/l	95
8) Diethyl Ether	1.64	74	36162	68.938	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.84	101	126446	65.623	ug/l	92
10) Methyl Iodide	1.93	142	155849	50.771	ug/l	95
11) Tert butyl alcohol	2.59	59	34518	356.492	ug/l	96
12) 1,1-Dichloroethene	1.81	96	99859	65.093	ug/l	99
13) Acrolein	2.02	56	28659	313.035	ug/l	96
14) Allyl chloride	2.12	41	122882	46.016	ug/l	93
15) Acrylonitrile	2.96	53	67240	325.066	ug/l	97
16) Acetone	2.25	43	137679	311.062	ug/l	96
17) Carbon Disulfide	1.84	76	199247	44.251	ug/l	97
18) Methyl Acetate	2.36	43	50086	67.749	ug/l	99
19) Methyl tert-butyl Ether	2.45	73	231283	63.901	ug/l	98
20) Methylene Chloride	2.27	84	61794	36.262	ug/l	87
21) trans-1,2-Dichloroethene	2.32	96	80040	51.230	ug/l	92
22) Diisopropyl ether	2.83	45	360289	69.757	ug/l	100
23) Vinyl Acetate	3.21	43	889222	369.873	ug/l	97
24) 1,1-Dichloroethane	2.89	63	213071	67.479	ug/l	99
25) 2-Butanone	4.36	43	239424	320.689	ug/l	99
26) 2,2-Dichloropropane	3.62	77	131555	54.776	ug/l	99
27) cis-1,2-Dichloroethene	3.51	96	162528	61.226	ug/l	96
28) Bromochloromethane	3.75	49	100471	63.040	ug/l	95
29) Tetrahydrofuran	4.11	42	101295	328.364	ug/l	94
30) Chloroform	3.89	83	306599	62.061	ug/l	96
31) Cyclohexane	3.72	56	136931	37.009	ug/l	# 94
32) 1,1,1-Trichloroethane	4.13	97	185733	47.892	ug/l	96
36) 1,1-Dichloropropene	4.32	75	227569	64.302	ug/l	96
37) Ethyl Acetate	4.15	43	95506	71.516	ug/l	98
38) Carbon Tetrachloride	4.02	117	190444	55.330	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	216583	53.685	ug/l	97
40) Benzene	4.67	78	507138	64.448	ug/l	98
41) Methacrylonitrile	4.78	41	52764	65.980	ug/l	94
42) 1,2-Dichloroethane	4.98	62	188521	67.940	ug/l	97
43) Isopropyl Acetate	6.99	43	125636	70.515	ug/l #	98
44) Trichloroethene	5.54	130	162802	64.798	ug/l	94
45) 1,2-Dichloropropane	6.27	63	140938	67.620	ug/l	94
46) Dibromomethane	6.12	93	95259	69.747	ug/l	95
47) Bromodichloromethane	6.42	83	251088	72.110	ug/l	98
48) Methyl methacrylate	6.75	41	88148	73.946	ug/l	92
49) 1,4-Dioxane	6.74	88	14643	1346.029	ug/l	87
51) 4-Methyl-2-Pentanone	8.29	43	438465	343.852	ug/l	100
52) Toluene	7.66	92	349841	66.229	ug/l	99
53) t-1,3-Dichloropropene	8.31	75	194258	68.808	ug/l	99
54) cis-1,3-Dichloropropene	7.33	75	247263	66.993	ug/l	98
55) 1,1,2-Trichloroethane	8.53	97	104743	68.759	ug/l	95
56) Ethyl methacrylate	8.66	69	123167	70.419	ug/l	97
57) 1,3-Dichloropropane	8.89	76	193460	72.021	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.33	63	66717	419.740	ug/l	99
59) 2-Hexanone	9.52	43	301132	334.284	ug/l	100
60) Dibromochloromethane	8.75	129	161635	73.383	ug/l	98
61) 1,2-Dibromoethane	9.02	107	116153	72.249	ug/l	91
64) Tetrachloroethene	8.19	164	155189	68.702	ug/l	96
65) Chlorobenzene	9.83	112	378518	64.144	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.97	131	166000	65.695	ug/l	96
67) Ethyl Benzene	9.94	91	736058	66.599	ug/l	96
68) m/p-Xylenes	10.16	106	512844	130.303	ug/l	99
69) o-Xylene	10.75	106	284337	64.502	ug/l	96
70) Styrene	10.82	104	371885	61.789	ug/l	96
71) Bromoform	10.81	173	86145	75.034	ug/l	93
73) Isopropylbenzene	11.15	105	802665	65.746	ug/l	97
74) N-amyl acetate	11.40	43	191817	68.089	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.72	83	136609	67.906	ug/l	100
76) 1,2,3-Trichloropropane	11.82	75	97650	64.598	ug/l	96
77) Bromobenzene	11.53	156	175854	67.969	ug/l	90
78) n-propylbenzene	11.62	91	924379	64.081	ug/l	94
79) 2-Chlorotoluene	11.74	91	525874	63.431	ug/l	99
80) 1,3,5-Trimethylbenzene	11.85	105	639525	65.687	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.89	75	66811	91.147	ug/l	97
82) 4-Chlorotoluene	11.92	91	562007	65.973	ug/l	99
83) tert-Butylbenzene	12.16	119	639897	62.835	ug/l	97
84) 1,2,4-Trimethylbenzene	12.23	105	626967	62.147	ug/l	99
85) sec-Butylbenzene	12.34	105	886908	63.677	ug/l	95
86) p-Isopropyltoluene	12.48	119	748030	64.695	ug/l	98
87) 1,3-Dichlorobenzene	12.50	146	324270	63.873	ug/l	99
88) 1,4-Dichlorobenzene	12.59	146	331155	68.086	ug/l	98
89) n-Butylbenzene	12.87	91	739423	61.697	ug/l	97
90) Hexachloroethane	12.94	117	186072	65.689	ug/l	96
91) 1,2-Dichlorobenzene	12.97	146	313498	65.136	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.67	75	28179	74.581	ug/l	93

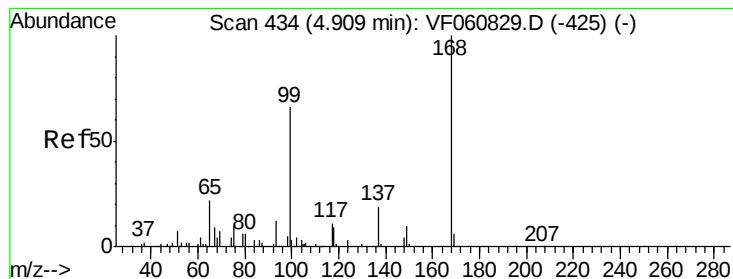
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF112618\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	221455	65.004	ug/l	98
94) Hexachlorobutadiene	14.21	225	149663	67.714	ug/l	98
95) Naphthalene	14.48	128	462676	74.248	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	214946	68.868	ug/l	97

(#) = 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: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

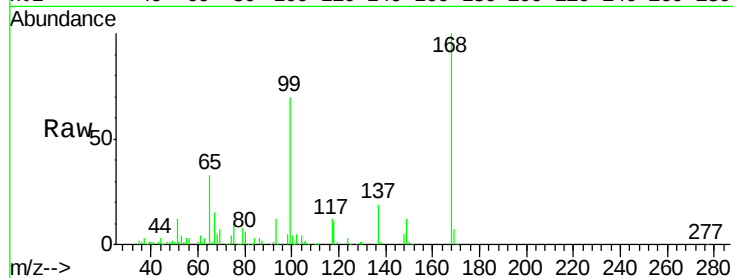
VSTDIC075

Tgt Ion:168 Resp: 189346

Ion Ratio Lower Upper

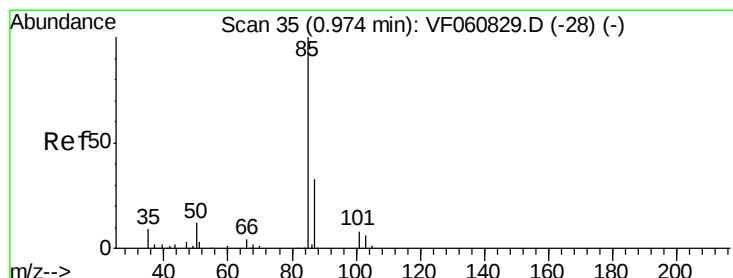
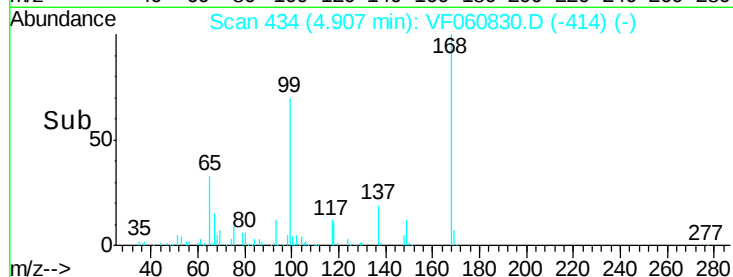
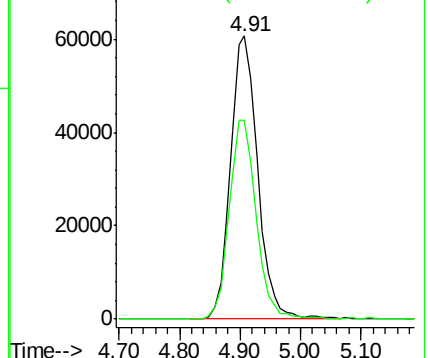
168 100

99 70.4 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 59.204 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060830.D

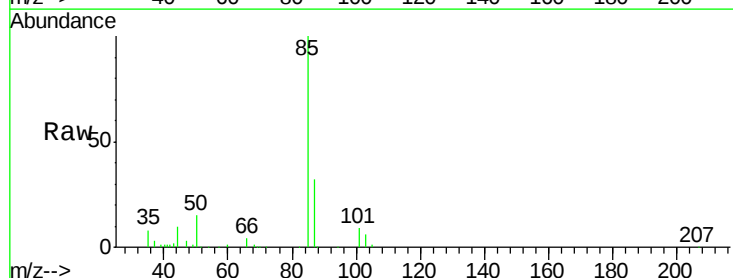
Acq: 26 Nov 2018 18:59

Tgt Ion: 85 Resp: 193511

Ion Ratio Lower Upper

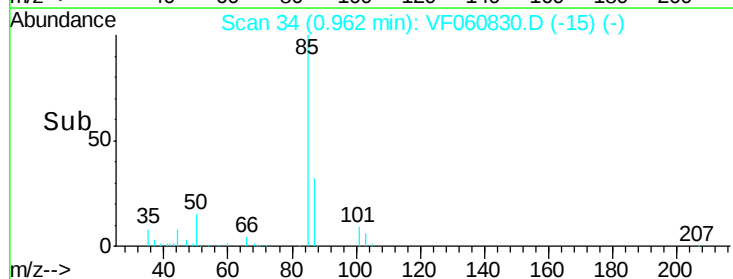
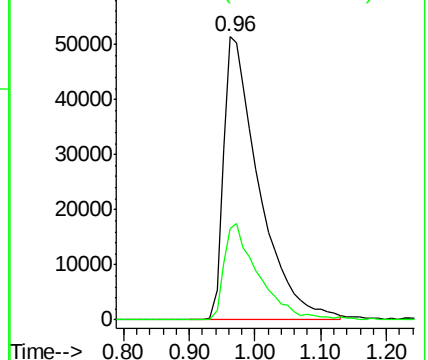
85 100

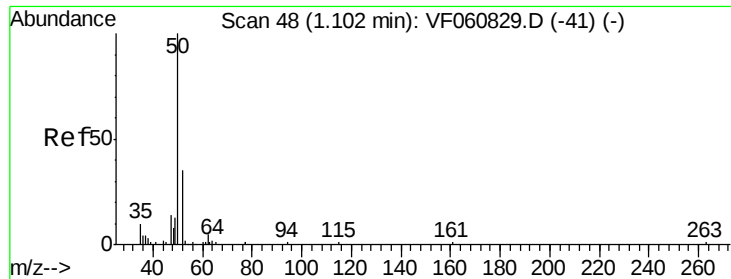
87 32.2 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 60.079 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

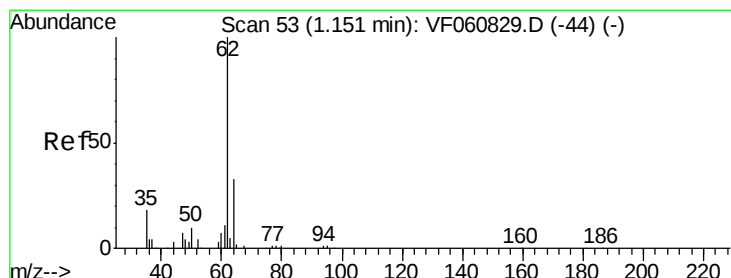
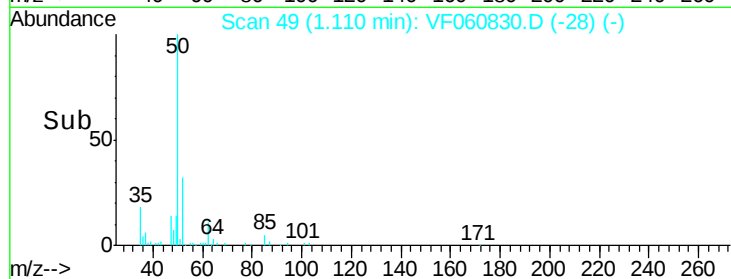
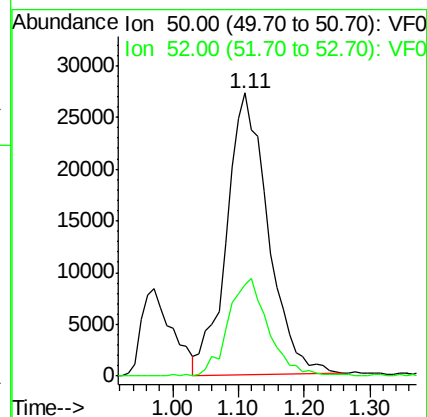
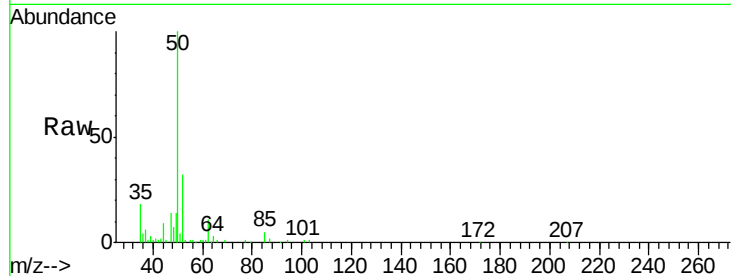
VSTDIC075

Tgt Ion: 50 Resp: 120556

Ion Ratio Lower Upper

50 100

52 32.2 27.0 40.4



#4

Vinyl Chloride

Concen: 63.169 ug/l

RT: 1.15 min Scan# 53

Delta R.T. -0.00 min

Lab File: VF060830.D

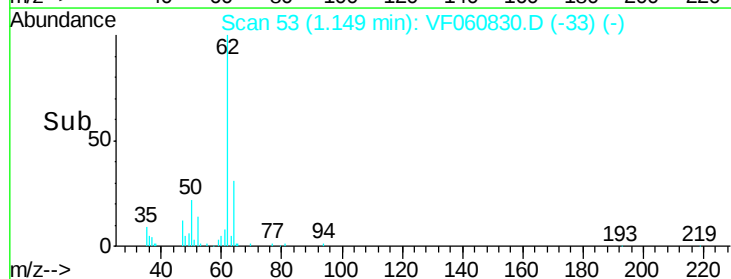
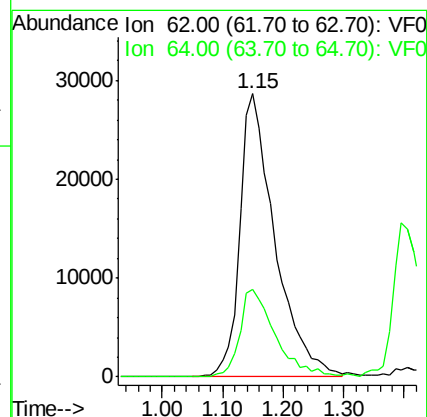
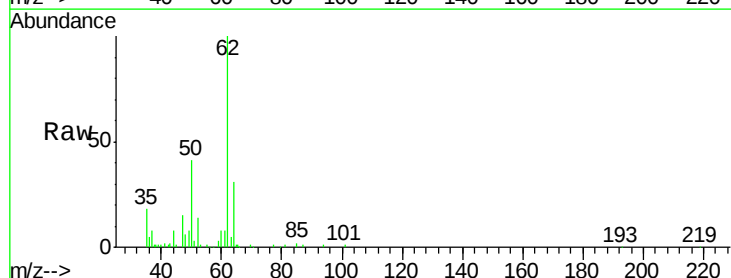
Acq: 26 Nov 2018 18:59

Tgt Ion: 62 Resp: 115274

Ion Ratio Lower Upper

62 100

64 30.7 26.4 39.6





#5

Bromomethane

Concen: 67.457 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

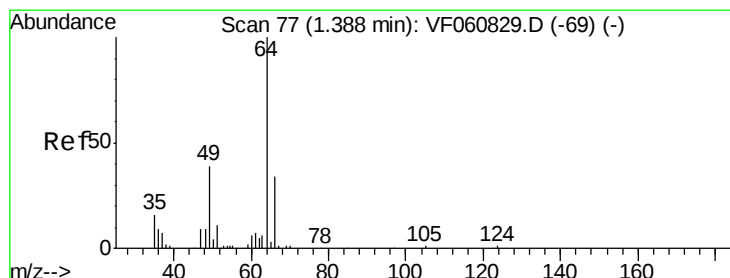
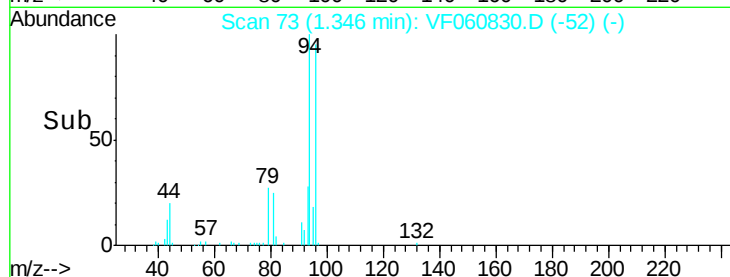
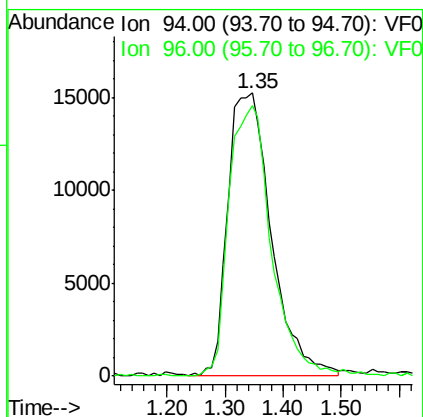
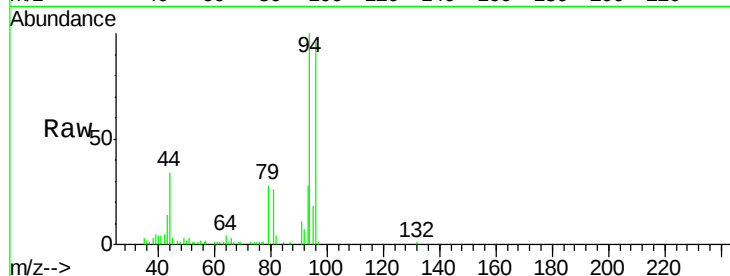
VSTDIC075

Tgt Ion: 94 Resp: 79713

Ion Ratio Lower Upper

94 100

96 95.5 75.9 113.9



#6

Chloroethane

Concen: 73.575 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF060830.D

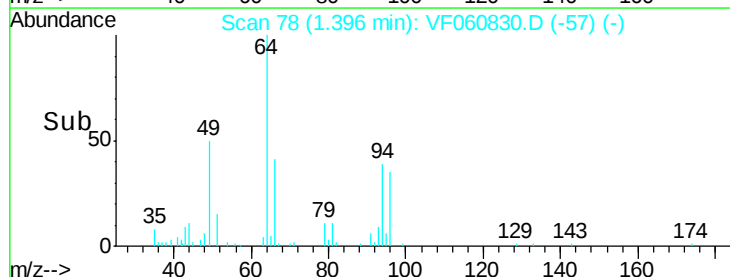
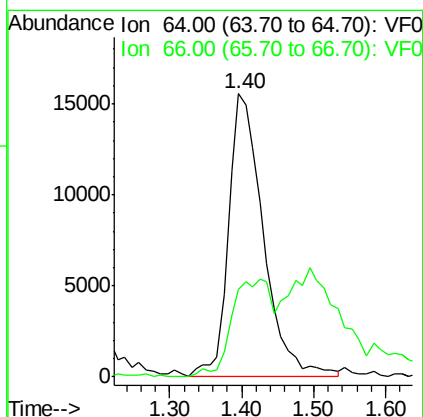
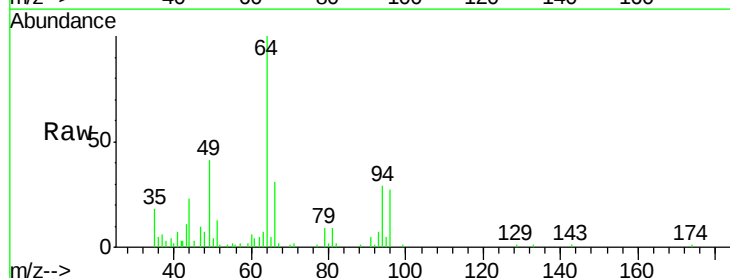
Acq: 26 Nov 2018 18:59

Tgt Ion: 64 Resp: 52543

Ion Ratio Lower Upper

64 100

66 31.1 28.1 42.1





#7

Trichlorofluoromethane

Concen: 46.257 ug/l

RT: 1.50 min Scan# 89

Delta R.T. 0.01 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

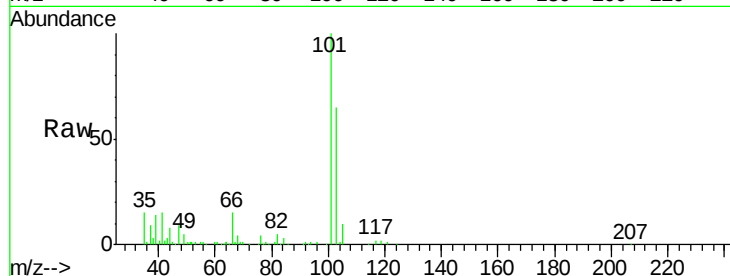
VSTDIC075

Tgt Ion:101 Resp: 185737

Ion Ratio Lower Upper

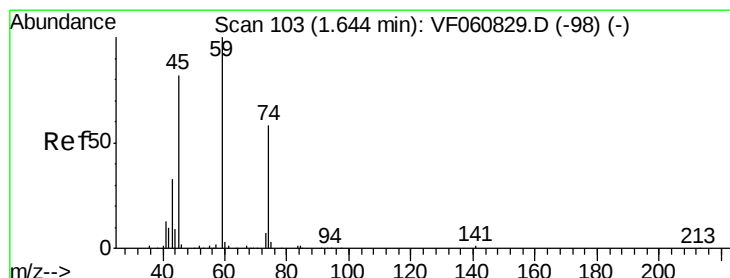
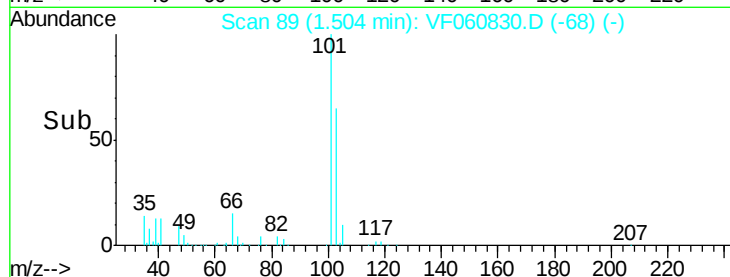
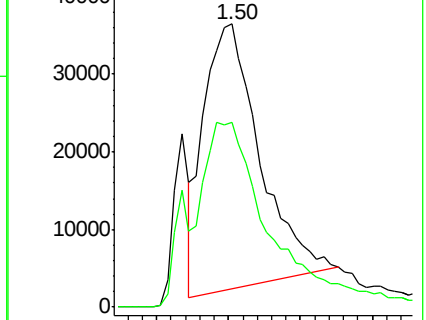
101 100

103 65.5 55.4 83.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 68.938 ug/l

RT: 1.64 min Scan# 103

Delta R.T. -0.00 min

Lab File: VF060830.D

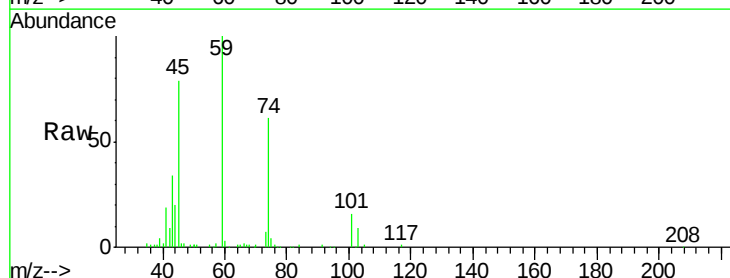
Acq: 26 Nov 2018 18:59

Tgt Ion: 74 Resp: 36162

Ion Ratio Lower Upper

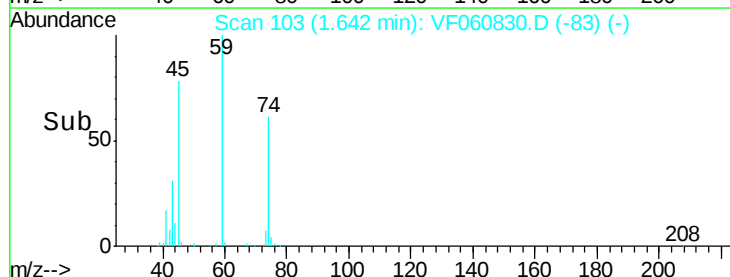
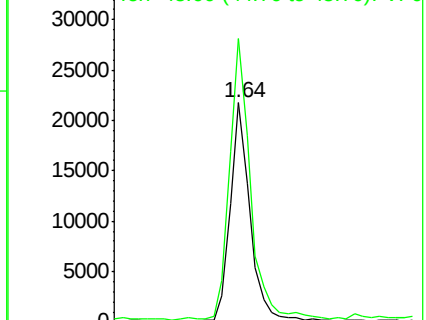
74 100

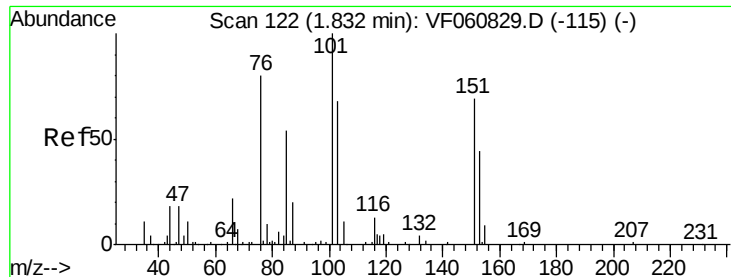
45 129.2 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 65.623 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.01 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

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ClientSampleId :

VSTDIC075

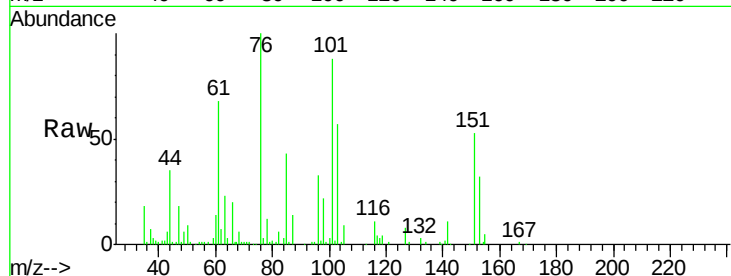
Tgt Ion:101 Resp: 126446

Ion Ratio Lower Upper

101 100

85 49.3 42.8 64.2

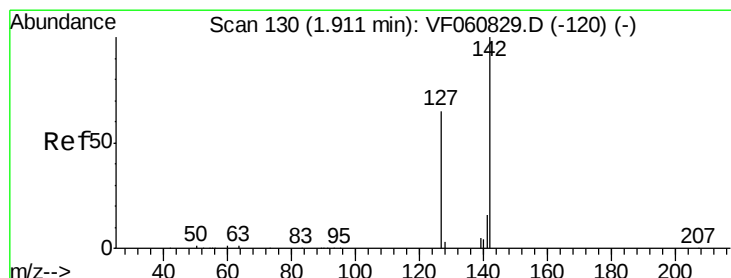
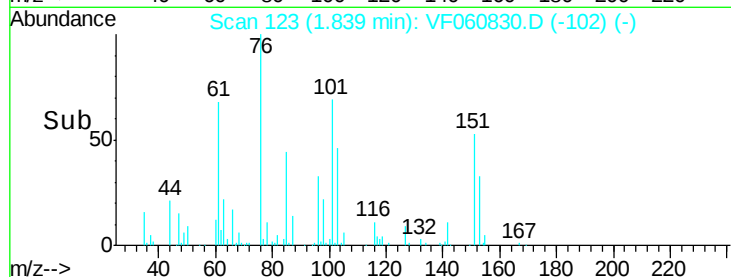
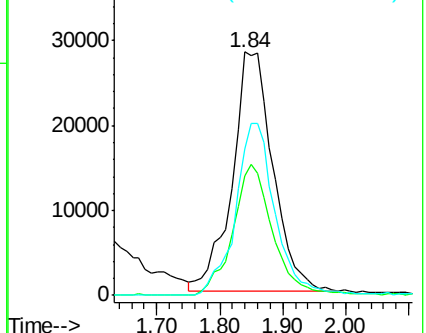
151 60.1 54.4 81.6



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: 50.771 ug/l

RT: 1.93 min Scan# 132

Delta R.T. 0.02 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

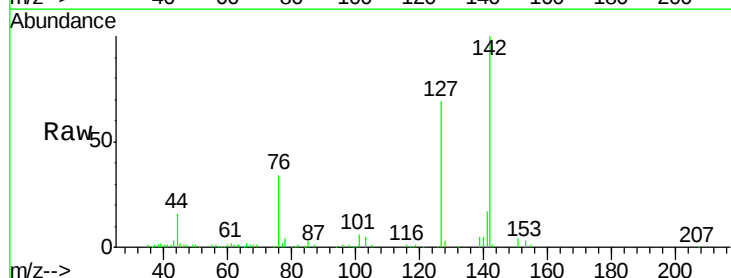
Tgt Ion:142 Resp: 155849

Ion Ratio Lower Upper

142 100

127 69.3 51.9 77.9

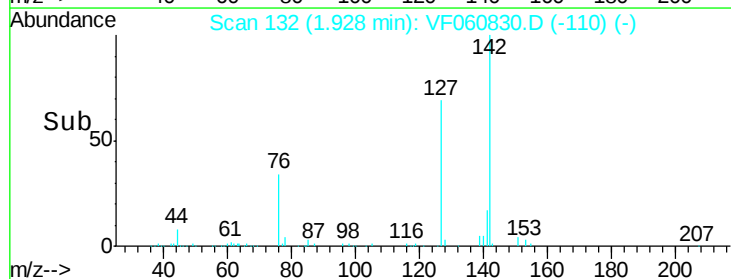
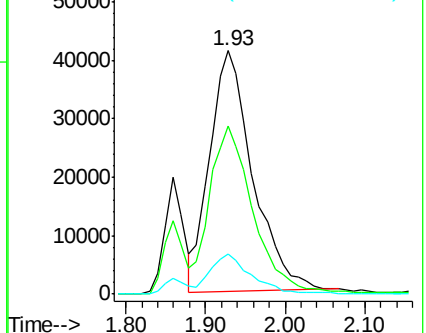
141 16.6 12.7 19.1

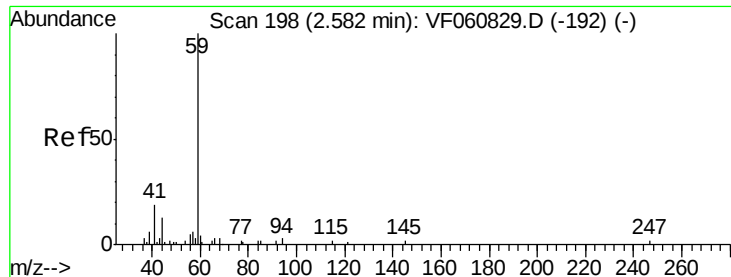


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



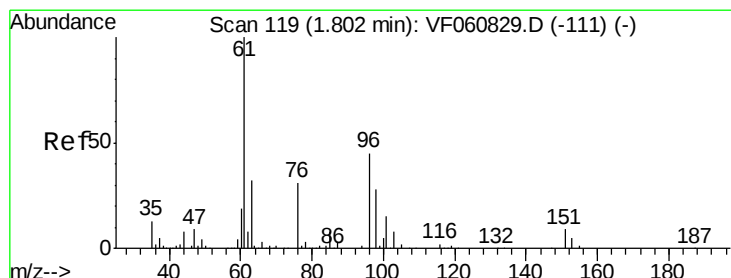
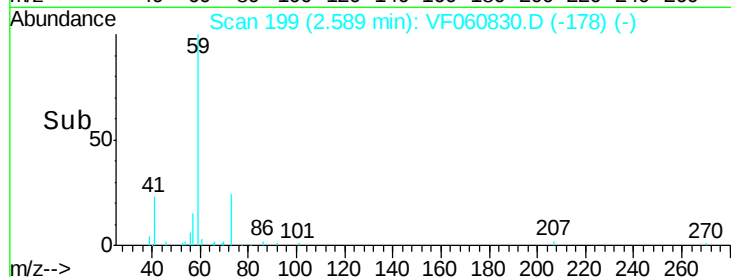
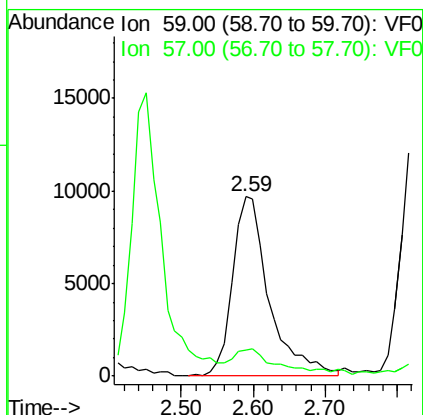
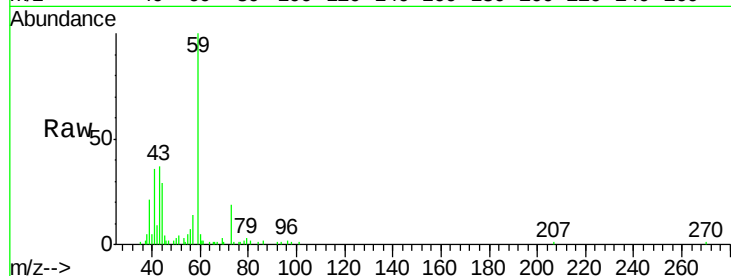


#11

Tert butyl alcohol
Concen: 356.492 ug/l
RT: 2.59 min Scan# 199
Delta R.T. 0.01 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

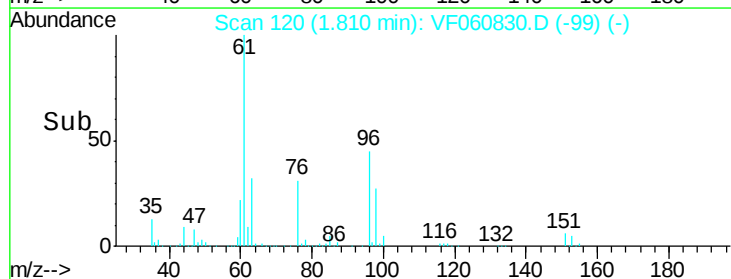
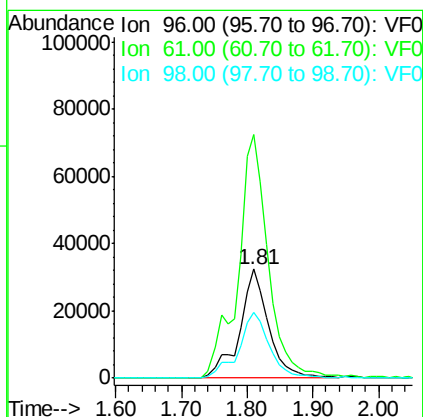
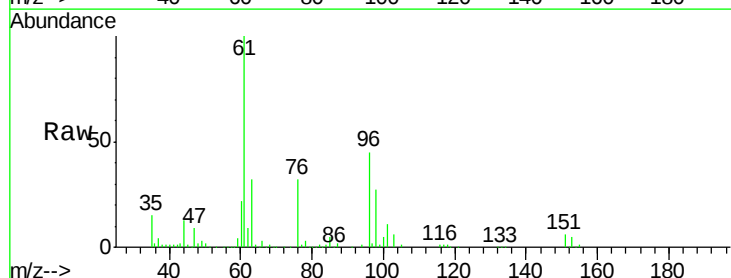
Tgt Ion: 59 Resp: 34518
Ion Ratio Lower Upper
59 100
57 14.3 12.7 19.1

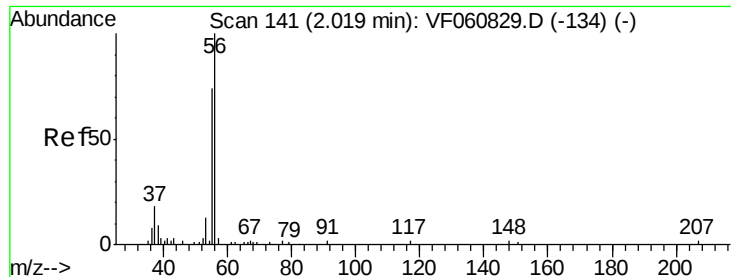


#12

1,1-Dichloroethene
Concen: 65.093 ug/l
RT: 1.81 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion: 96 Resp: 99859
Ion Ratio Lower Upper
96 100
61 223.6 177.3 265.9
98 60.1 49.6 74.4





#13

Acrolein

Concen: 313.035 ug/l

RT: 2.02 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

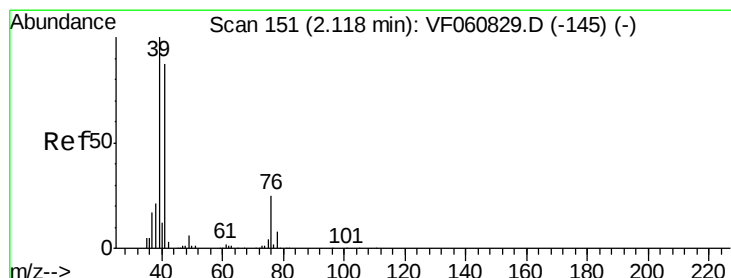
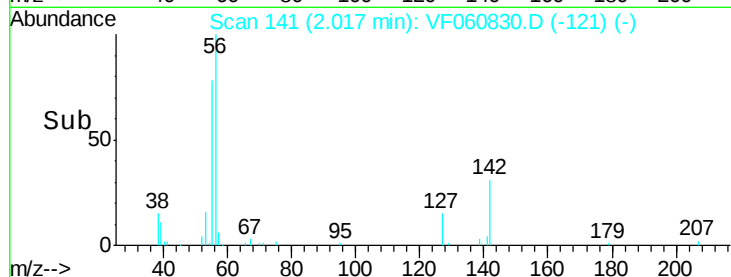
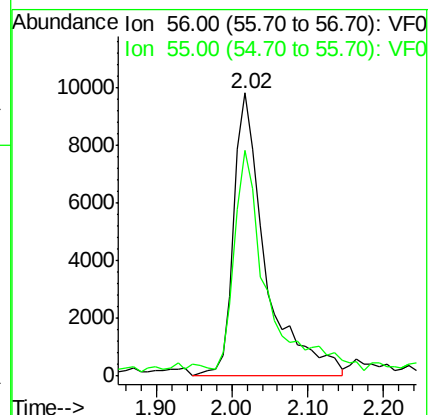
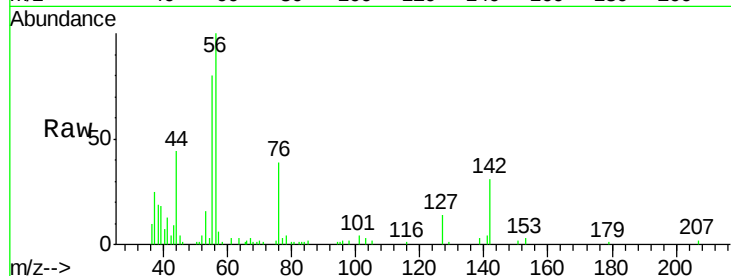
VSTDIC075

Tgt Ion: 56 Resp: 28659

Ion Ratio Lower Upper

56 100

55 79.8 61.2 91.8



#14

Allyl chloride

Concen: 46.016 ug/l

RT: 2.12 min Scan# 151

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

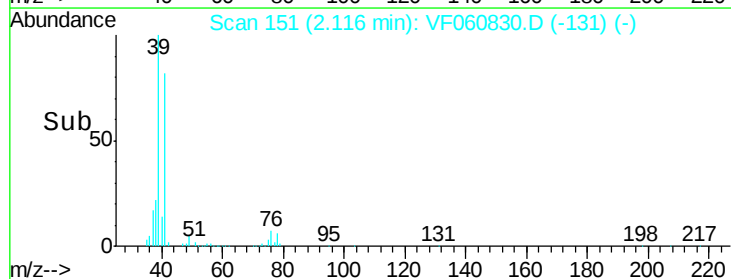
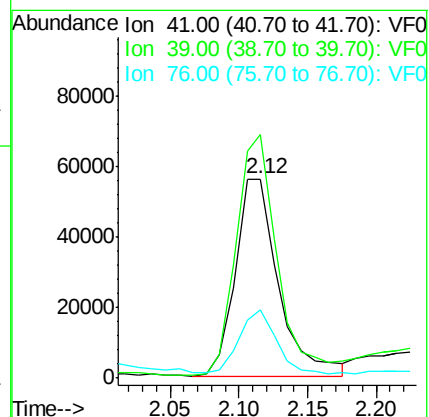
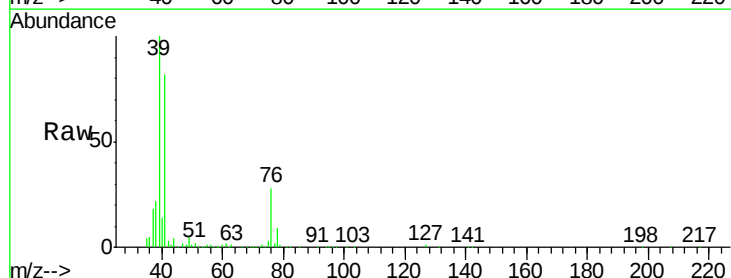
Tgt Ion: 41 Resp: 122882

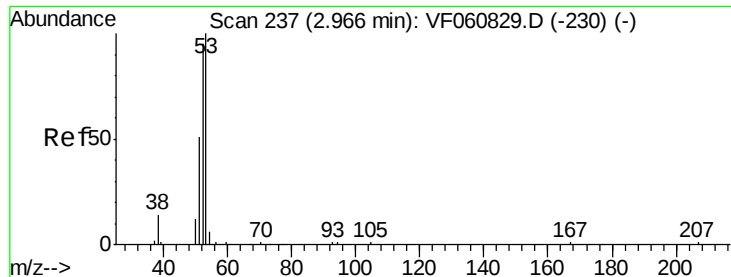
Ion Ratio Lower Upper

41 100

39 122.1 91.7 137.5

76 34.5 23.5 35.3





#15

Acrylonitrile

Concen: 325.066 ug/l

RT: 2.96 min Scan# 237

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

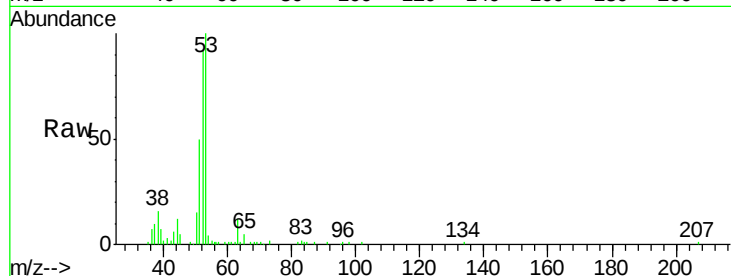
Tgt Ion: 53 Resp: 67240

Ion Ratio Lower Upper

53 100

52 92.2 76.5 114.7

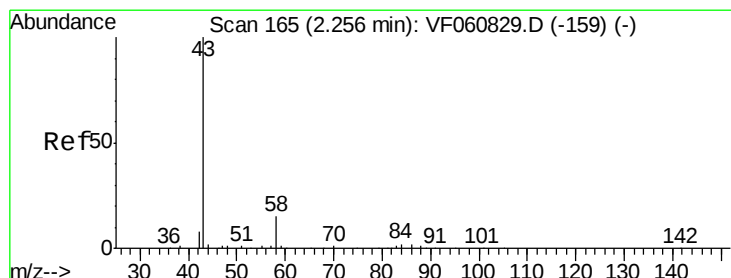
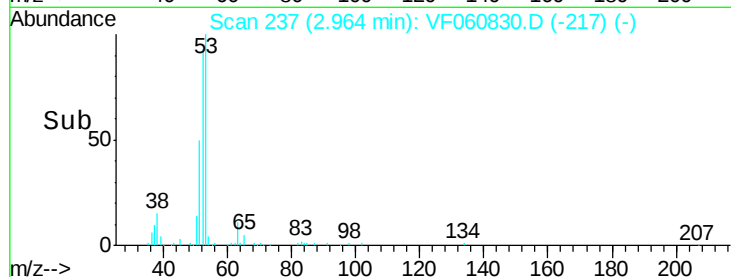
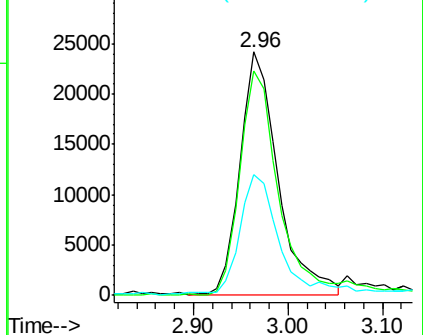
51 49.8 40.7 61.1



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: 311.062 ug/l

RT: 2.25 min Scan# 165

Delta R.T. -0.00 min

Lab File: VF060830.D

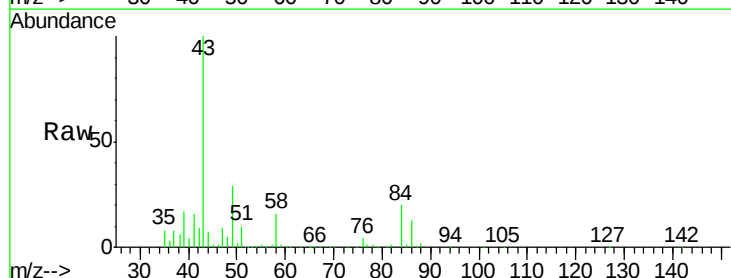
Acq: 26 Nov 2018 18:59

Tgt Ion: 43 Resp: 137679

Ion Ratio Lower Upper

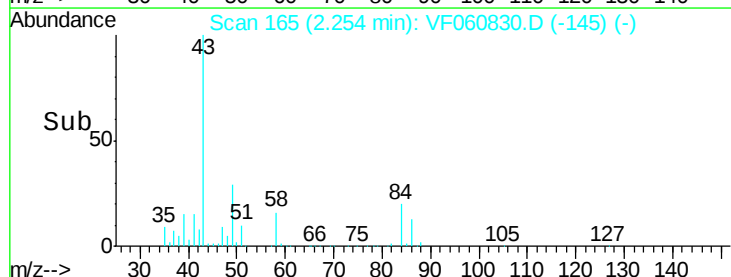
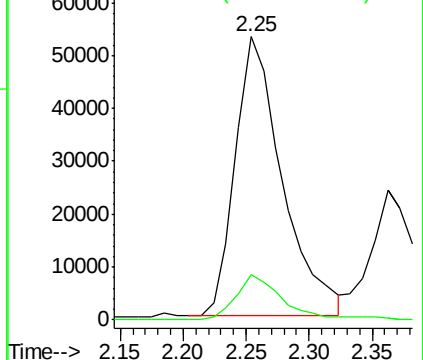
43 100

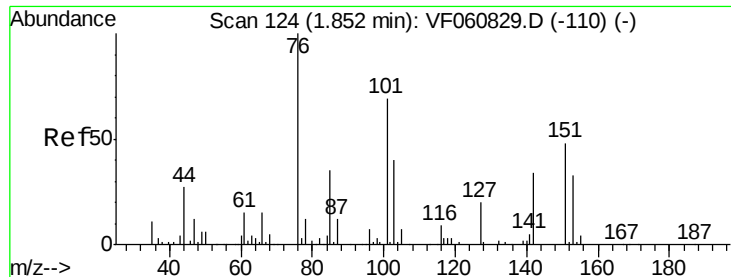
58 15.8 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

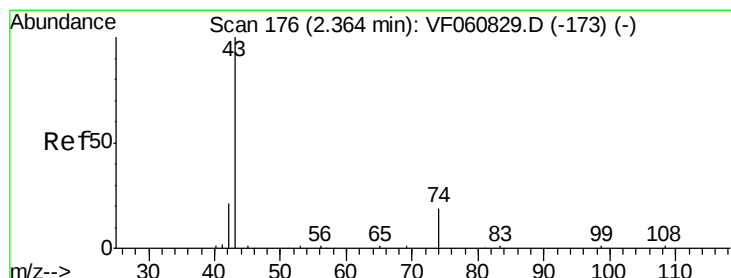
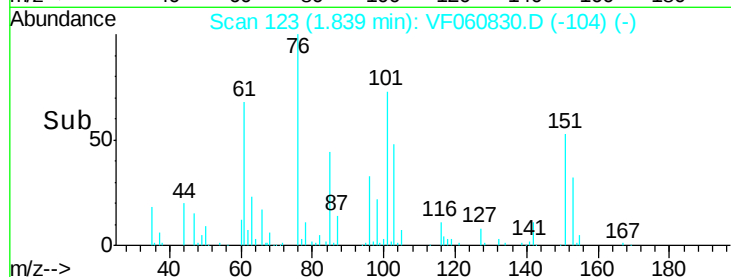
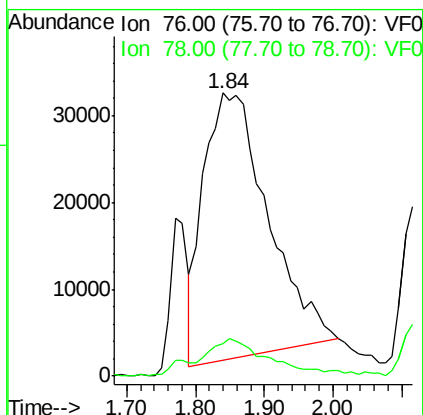
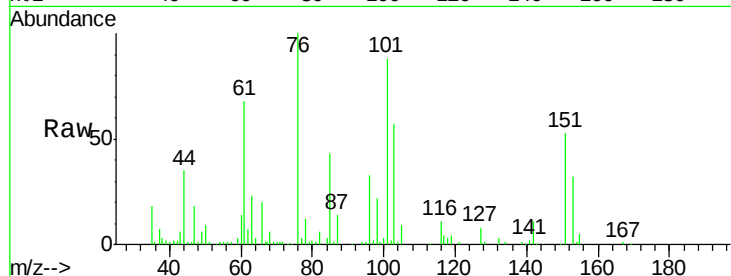




#17
Carbon Disulfide
Concen: 44.251 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

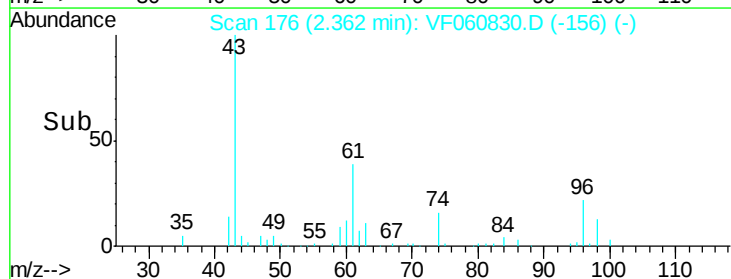
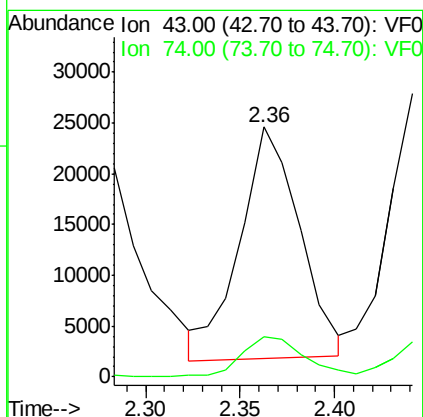
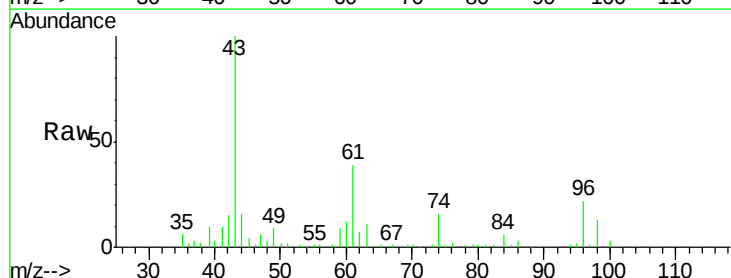
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

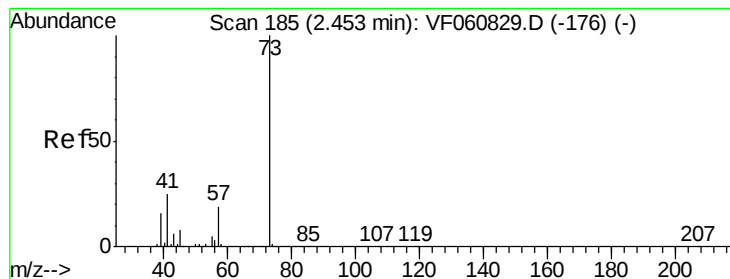
Tgt Ion: 76 Resp: 199247
Ion Ratio Lower Upper
76 100
78 11.7 10.2 15.2



#18
Methyl Acetate
Concen: 67.749 ug/l
RT: 2.36 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion: 43 Resp: 50086
Ion Ratio Lower Upper
43 100
74 16.3 13.3 19.9



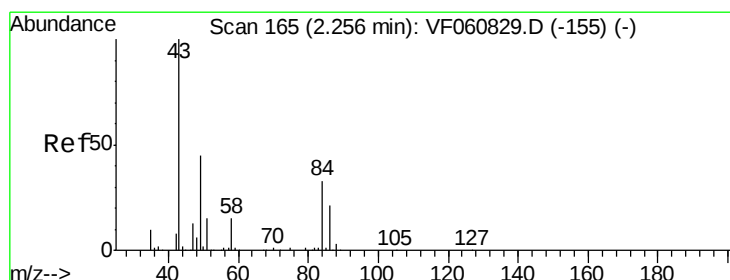
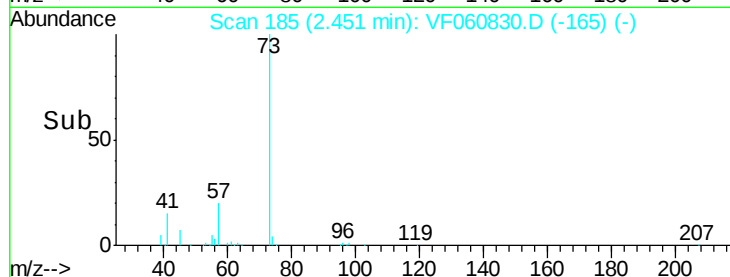
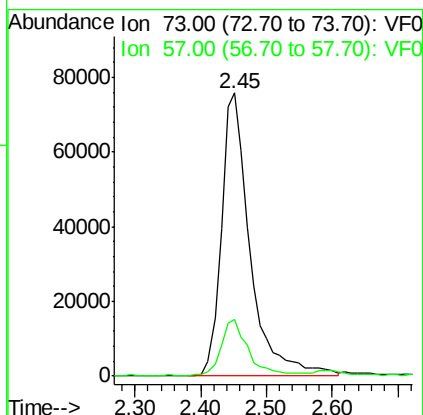
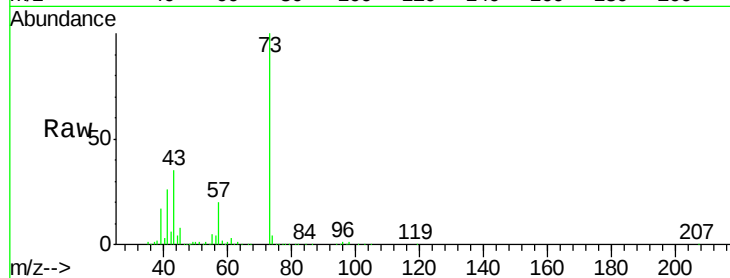


#19

Methyl tert-butyl Ether
Concen: 63.901 ug/l
RT: 2.45 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

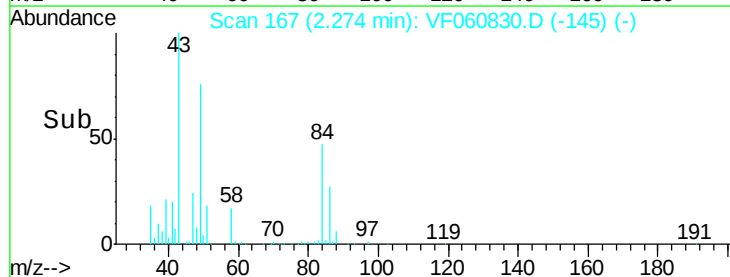
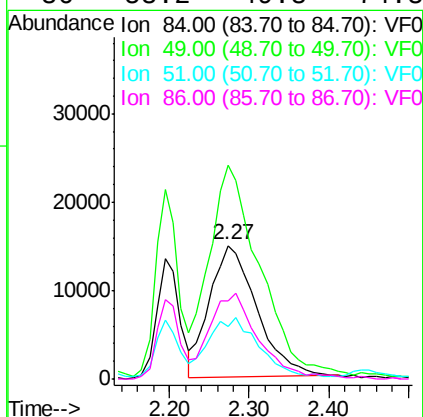
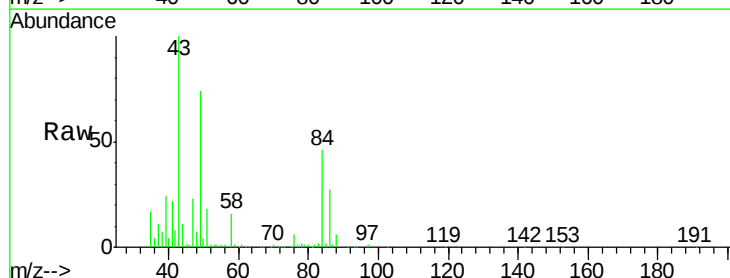
Tgt Ion: 73 Resp: 231283
Ion Ratio Lower Upper
73 100
57 20.2 15.3 22.9

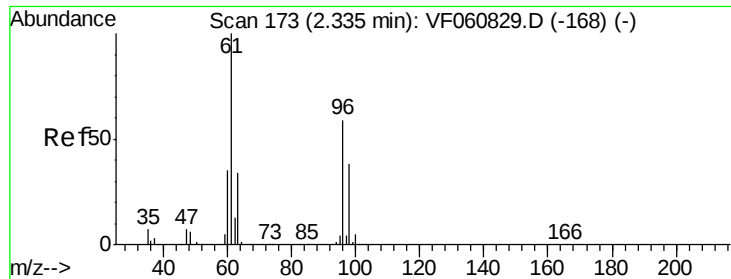


#20

Methylene Chloride
Concen: 36.262 ug/l
RT: 2.27 min Scan# 167
Delta R.T. 0.02 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion: 84 Resp: 61794
Ion Ratio Lower Upper
84 100
49 160.4 111.3 166.9
51 39.8 38.0 57.0
86 58.2 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 51.230 ug/l

RT: 2.32 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

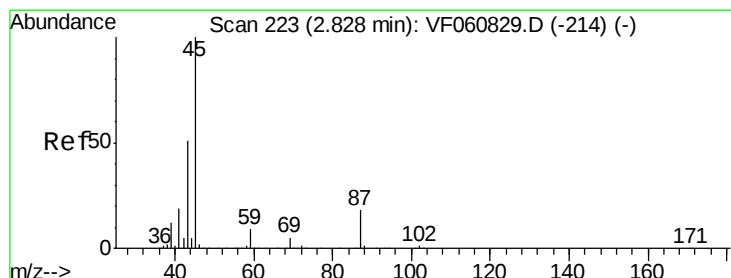
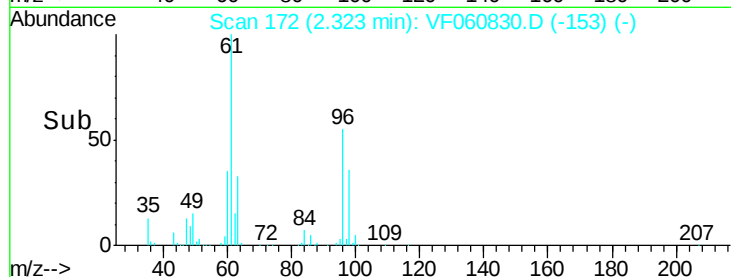
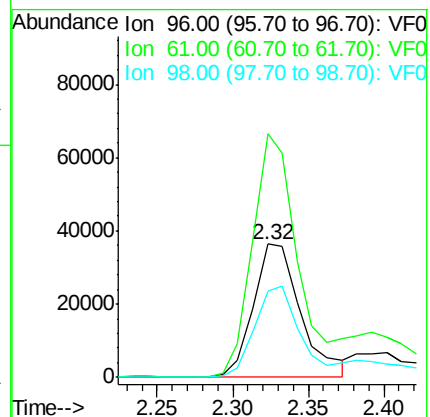
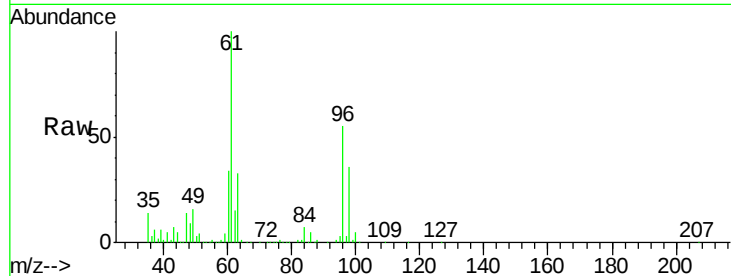
Tgt Ion: 96 Resp: 80040

Ion Ratio Lower Upper

96 100

61 183.1 134.5 201.7

98 65.0 51.6 77.4



#22

Diisopropyl ether

Concen: 69.757 ug/l

RT: 2.83 min Scan# 223

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Tgt Ion: 45 Resp: 360289

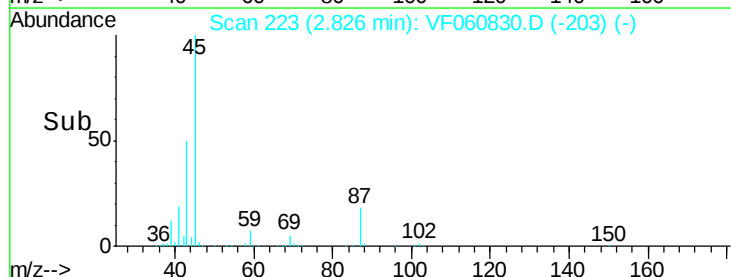
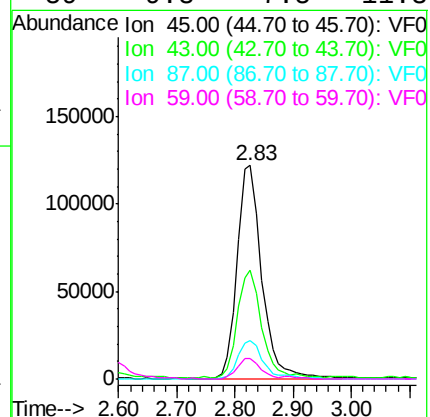
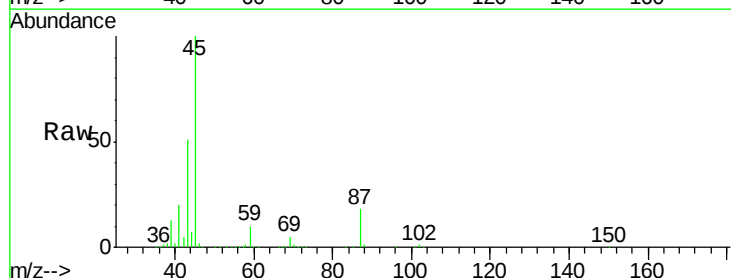
Ion Ratio Lower Upper

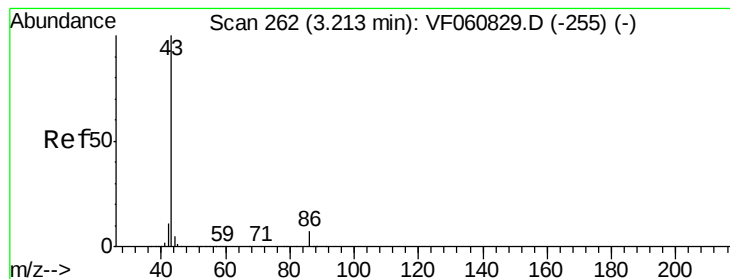
45 100

43 51.2 41.0 61.6

87 18.2 14.6 22.0

59 9.8 7.5 11.3





#23

Vinyl Acetate

Concen: 369.873 ug/l

RT: 3.21 min Scan# 262

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

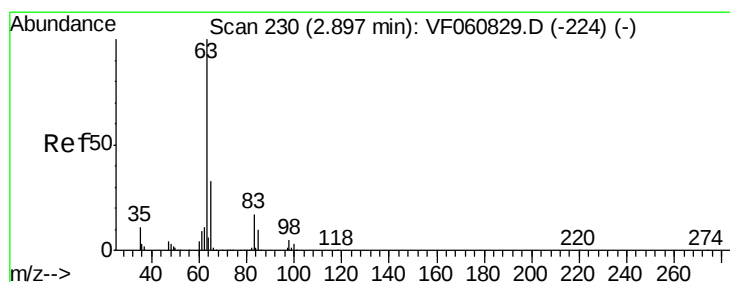
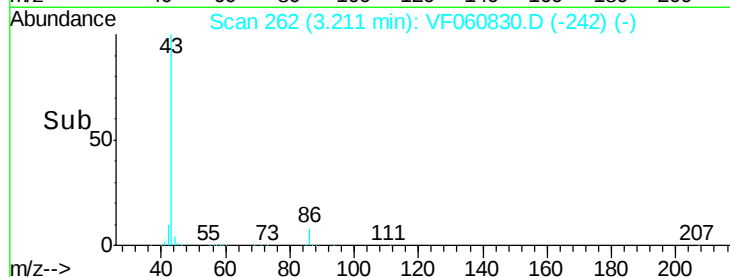
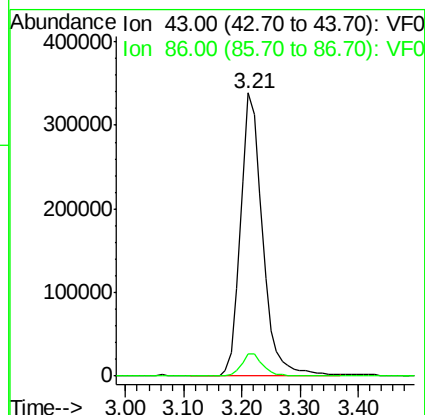
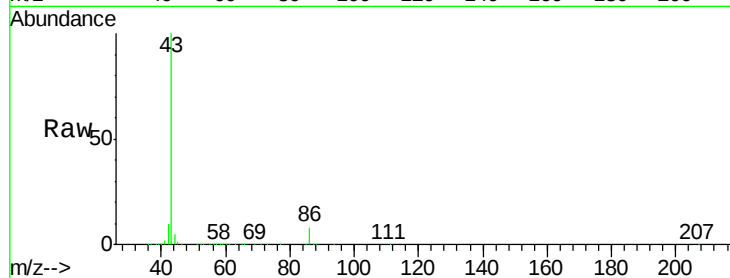
VSTDIC075

Tgt Ion: 43 Resp: 889222

Ion Ratio Lower Upper

43 100

86 7.8 5.4 8.0



#24

1,1-Dichloroethane

Concen: 67.479 ug/l

RT: 2.89 min Scan# 230

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

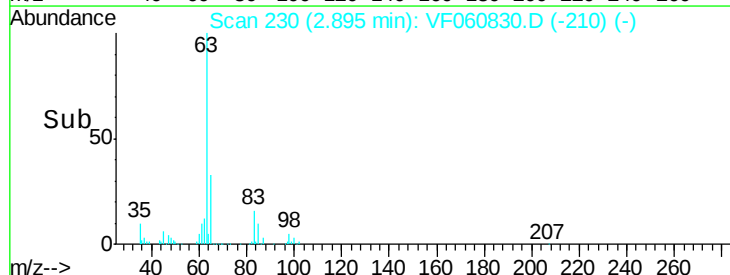
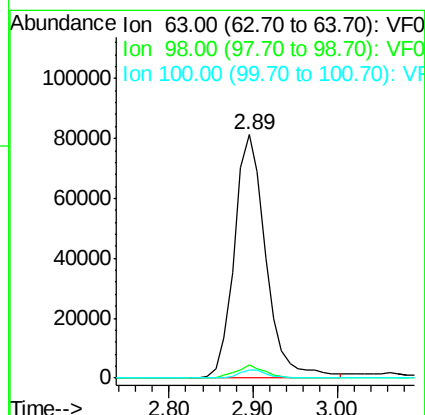
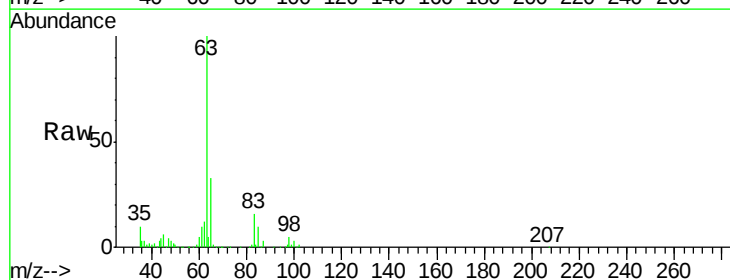
Tgt Ion: 63 Resp: 213071

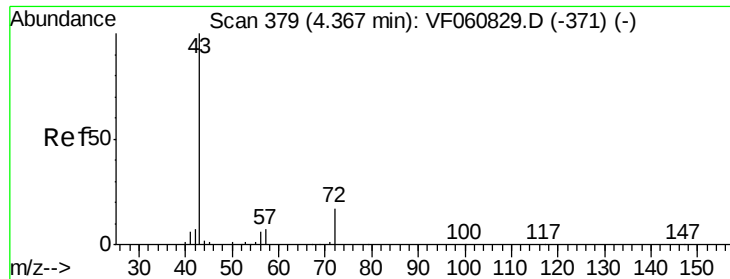
Ion Ratio Lower Upper

63 100

98 5.2 2.7 8.1

100 3.2 1.5 4.5





#25

2-Butanone

Concen: 320.689 ug/l

RT: 4.36 min Scan# 379

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

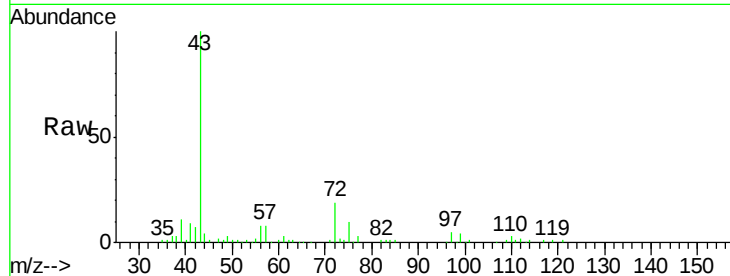
VSTDIC075

Tgt Ion: 43 Resp: 239424

Ion Ratio Lower Upper

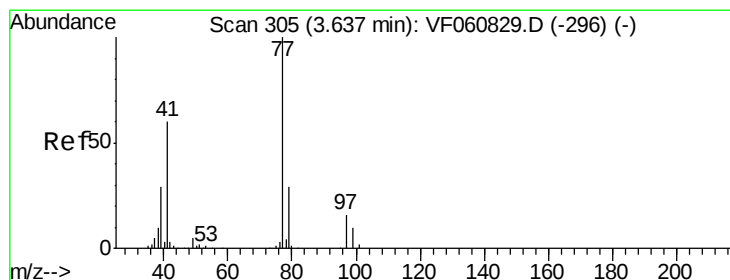
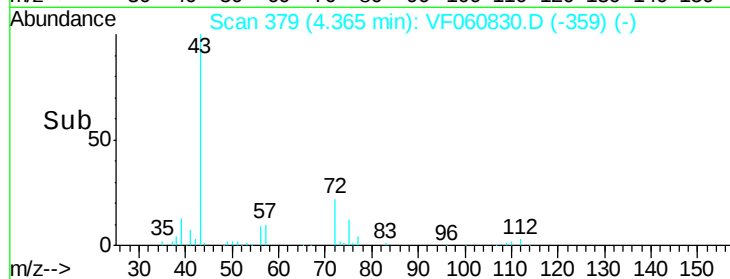
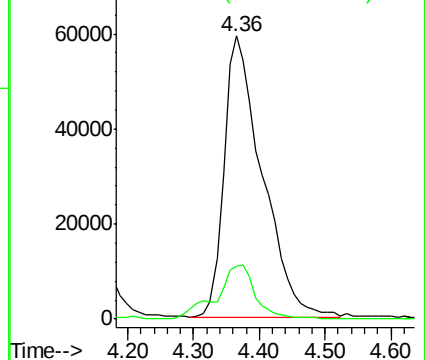
43 100

72 18.9 15.4 23.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 54.776 ug/l

RT: 3.62 min Scan# 304

Delta R.T. -0.01 min

Lab File: VF060830.D

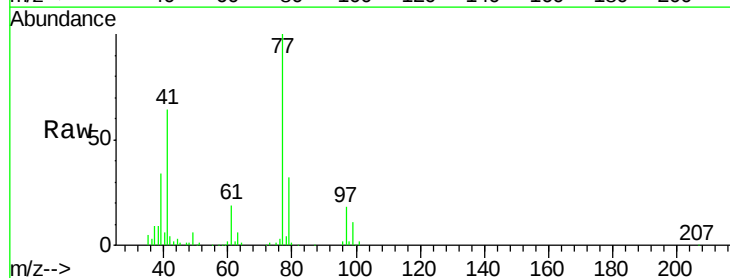
Acq: 26 Nov 2018 18:59

Tgt Ion: 77 Resp: 131555

Ion Ratio Lower Upper

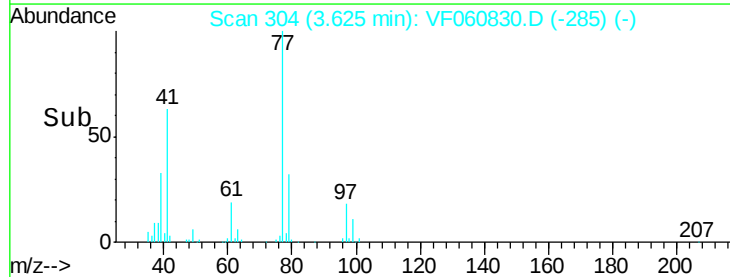
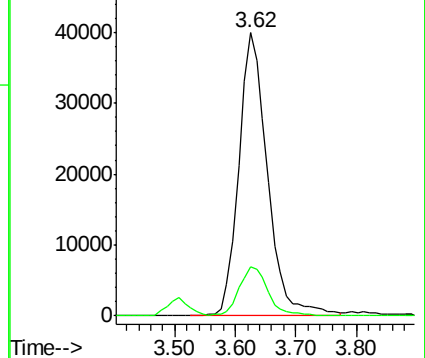
77 100

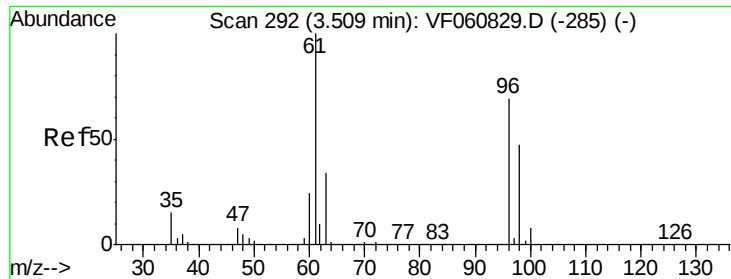
97 17.6 8.6 25.8



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



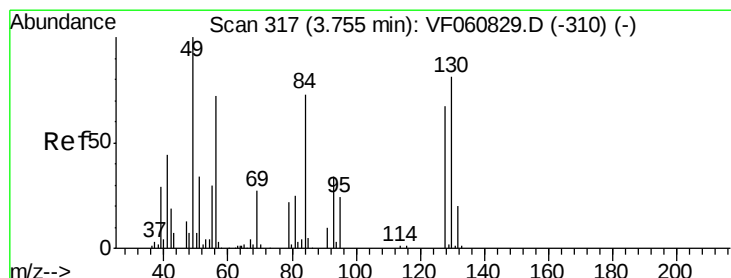
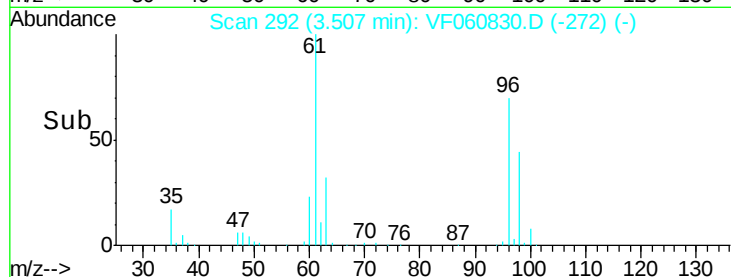
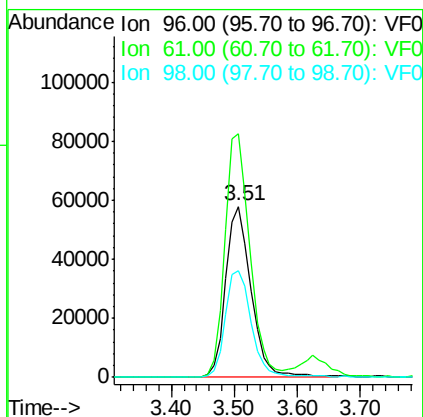
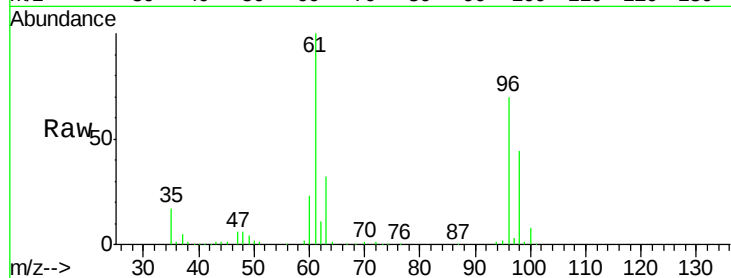


#27

cis-1,2-Dichloroethene
Concen: 61.226 ug/l
RT: 3.51 min Scan# 292
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

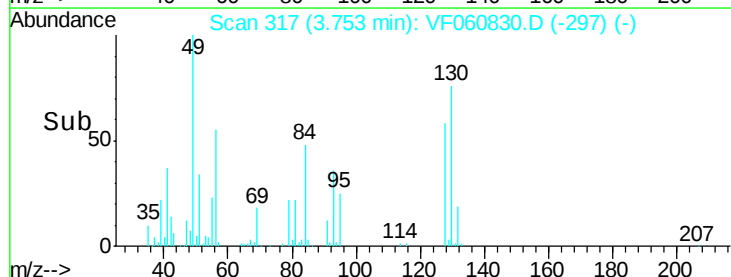
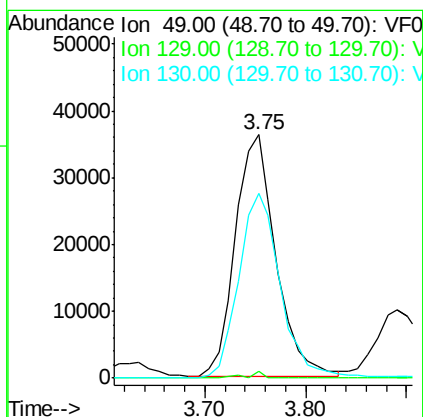
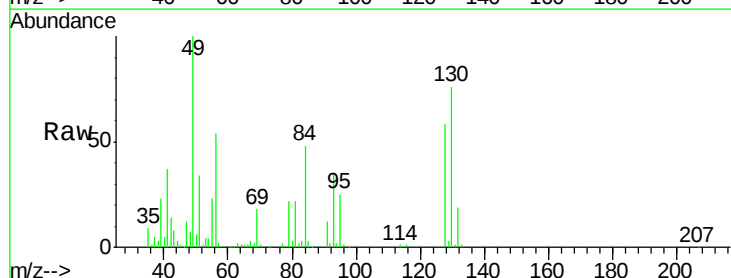
Tgt Ion: 96 Resp: 162528
Ion Ratio Lower Upper
96 100
61 142.3 0.0 290.6
98 62.4 0.0 137.8

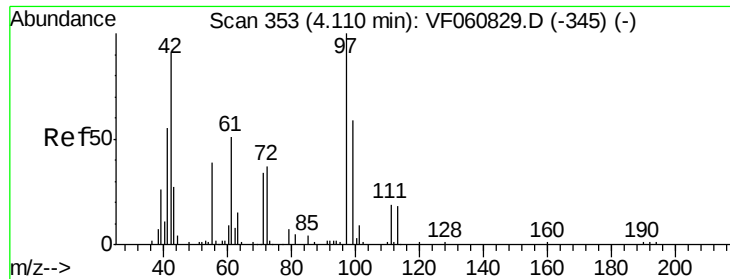


#28

Bromochloromethane
Concen: 63.040 ug/l
RT: 3.75 min Scan# 317
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion: 49 Resp: 100471
Ion Ratio Lower Upper
49 100
129 2.7 0.0 4.4
130 75.8 64.2 96.4





#29

Tetrahydrofuran

Concen: 328.364 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

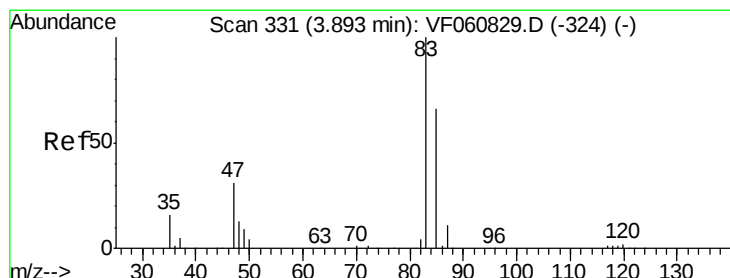
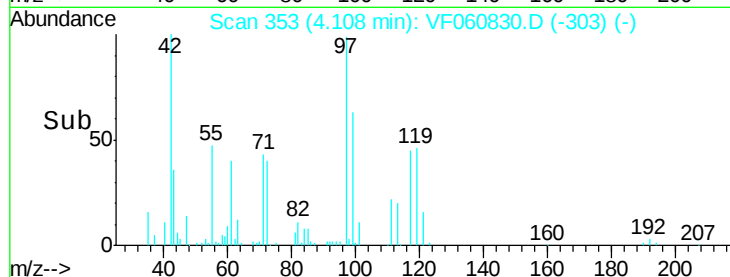
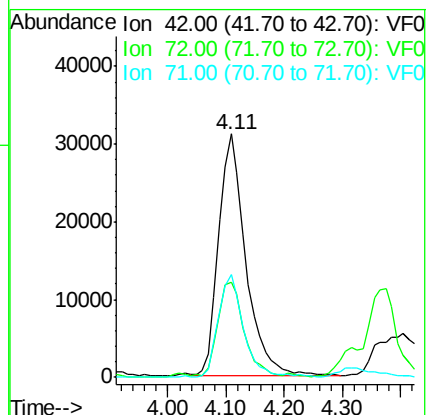
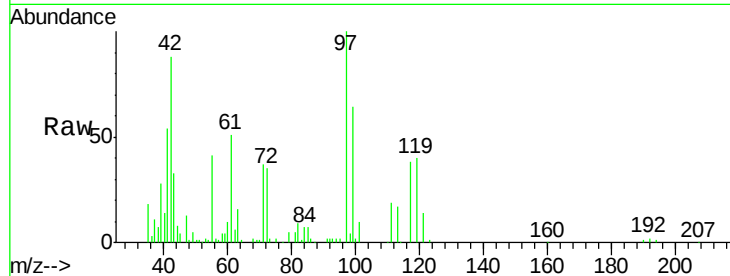
Tgt Ion: 42 Resp: 101295

Ion Ratio Lower Upper

42 100

72 36.5 31.9 47.9

71 39.5 28.7 43.1



#30

Chloroform

Concen: 62.061 ug/l

RT: 3.89 min Scan# 331

Delta R.T. -0.00 min

Lab File: VF060830.D

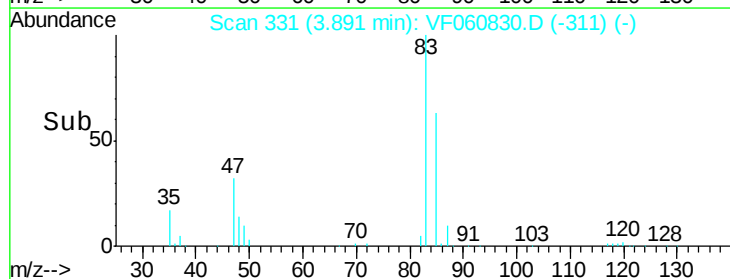
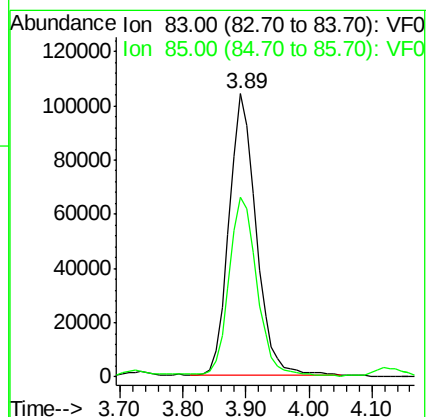
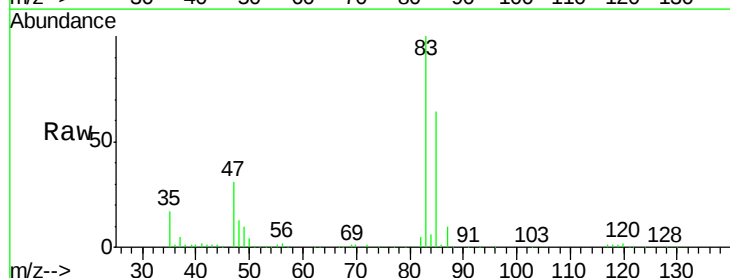
Acq: 26 Nov 2018 18:59

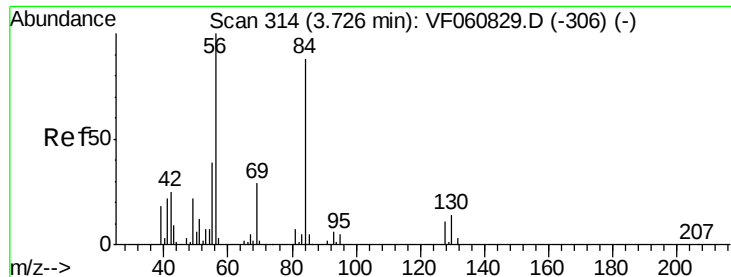
Tgt Ion: 83 Resp: 306599

Ion Ratio Lower Upper

83 100

85 63.6 53.4 80.2

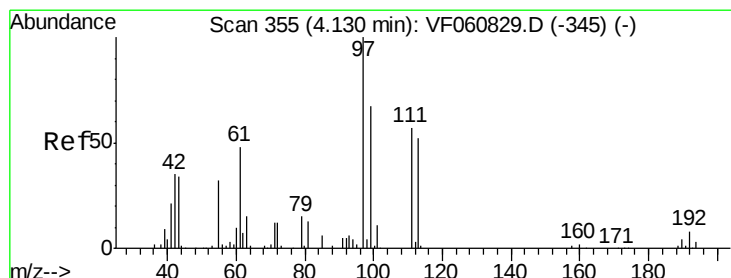
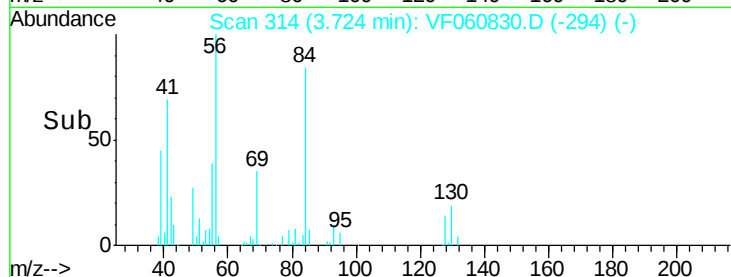
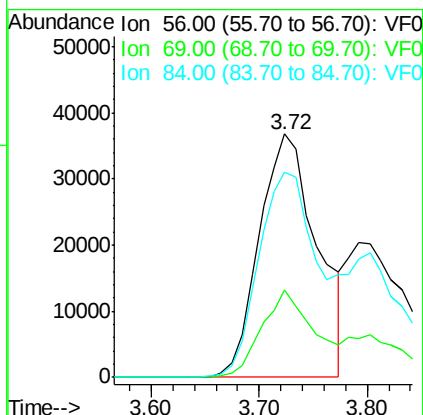
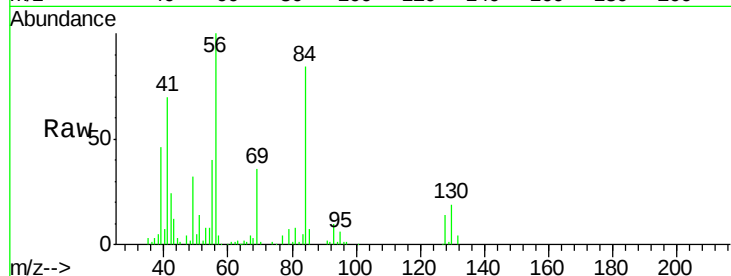




#31
Cyclohexane
Concen: 37.009 ug/l
RT: 3.72 min Scan# 314
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

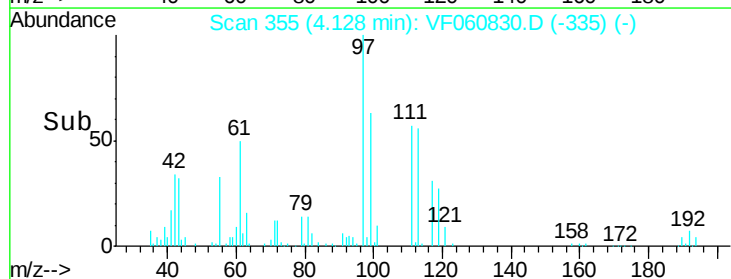
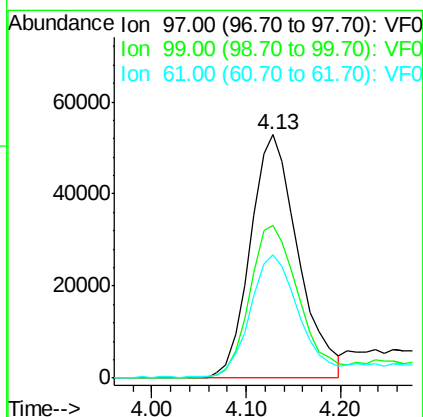
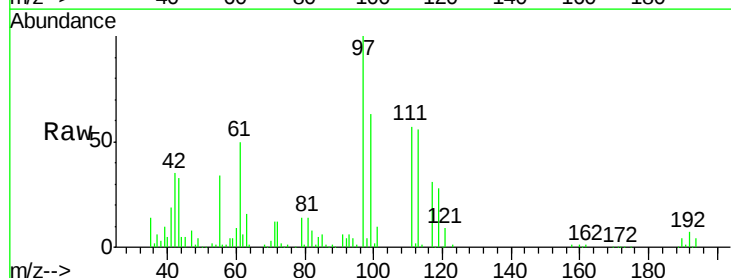
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

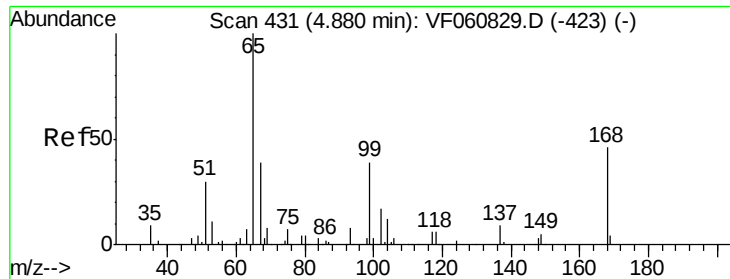
Tgt Ion: 56 Resp: 136931
Ion Ratio Lower Upper
56 100
69 35.7 23.0 34.4#
84 84.4 70.4 105.6



#32
1,1,1-Trichloroethane
Concen: 47.892 ug/l
RT: 4.13 min Scan# 355
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion: 97 Resp: 185733
Ion Ratio Lower Upper
97 100
99 63.0 53.5 80.3
61 50.5 38.6 58.0





#33

1,2-Dichloroethane-d4

Concen: 71.696 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

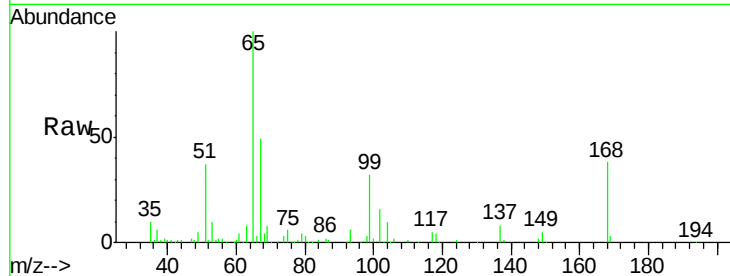
VSTDIC075

Tgt Ion: 65 Resp: 157253

Ion Ratio Lower Upper

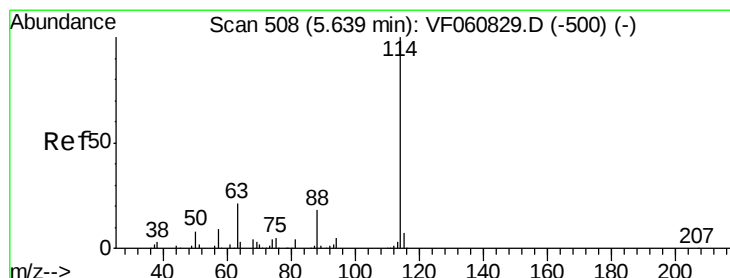
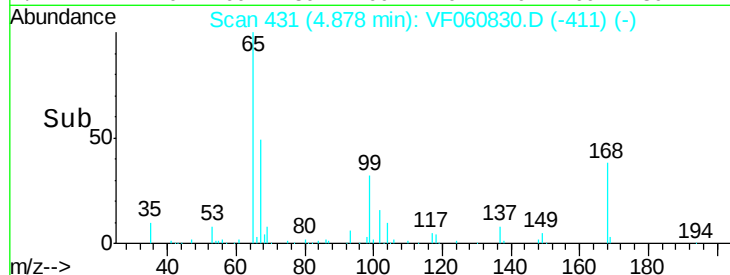
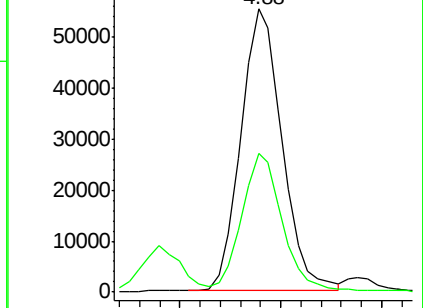
65 100

67 49.0 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 507

Delta R.T. -0.01 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

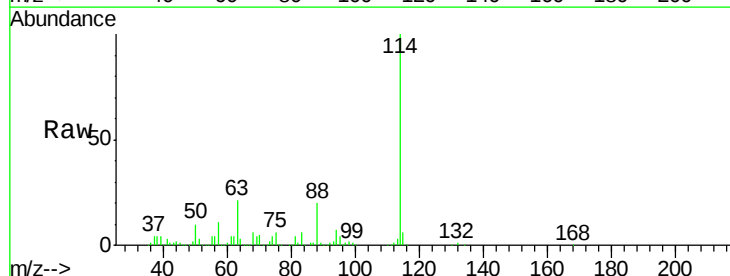
Tgt Ion: 114 Resp: 306713

Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.6

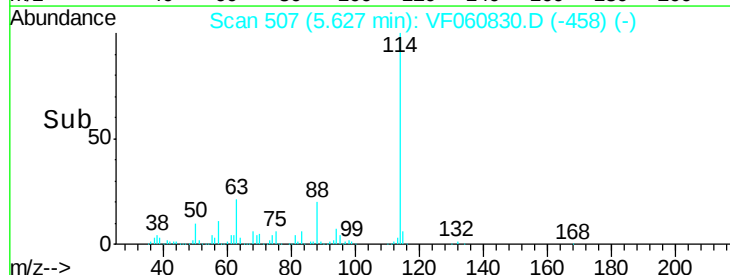
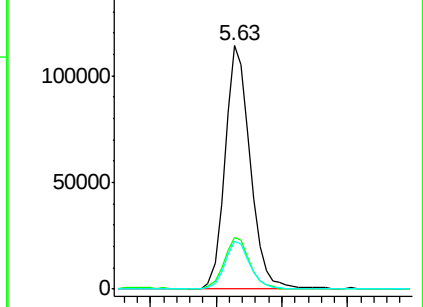
88 19.6 0.0 36.6

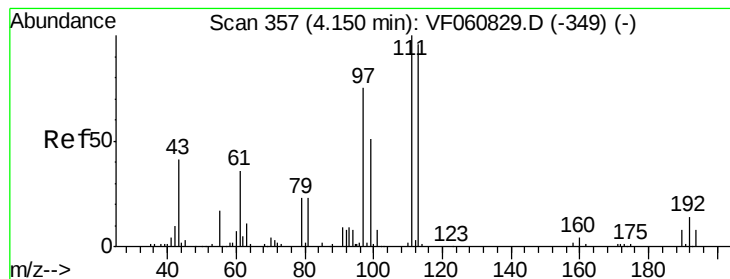


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 69.344 ug/l

RT: 4.15 min Scan# 357

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

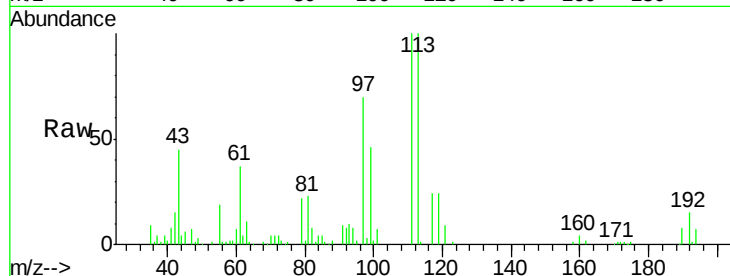
Tgt Ion: 113 Resp: 164362

Ion Ratio Lower Upper

113 100

111 99.9 83.0 124.6

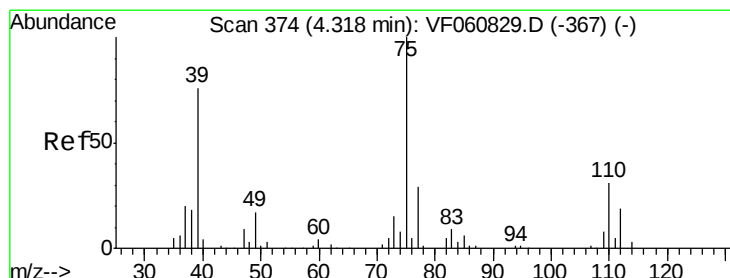
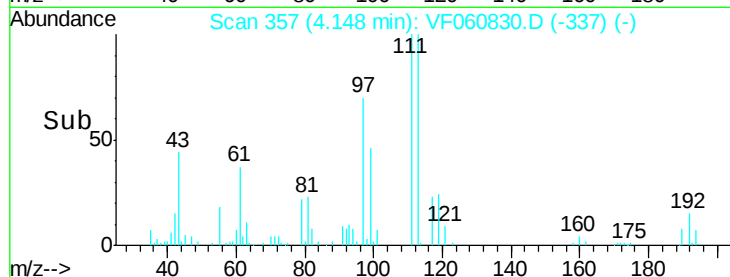
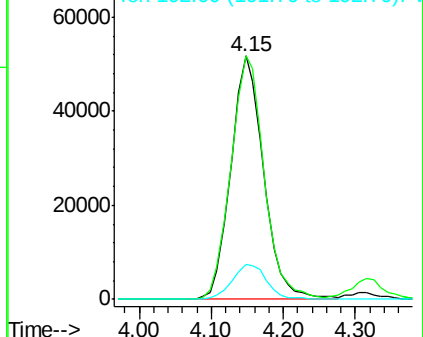
192 15.3 12.3 18.5



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: 64.302 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

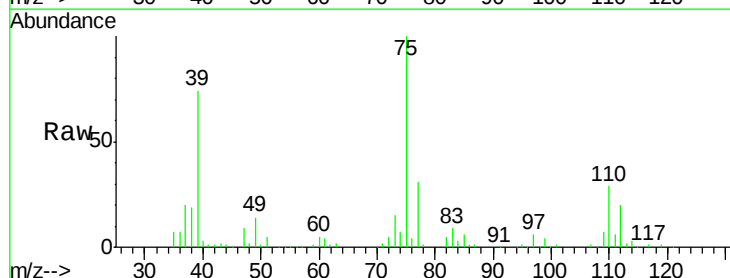
Tgt Ion: 75 Resp: 227569

Ion Ratio Lower Upper

75 100

110 28.8 15.6 46.8

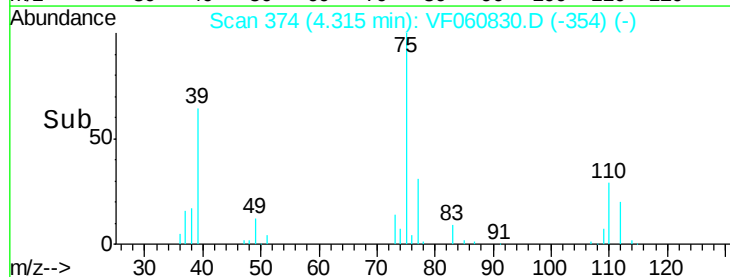
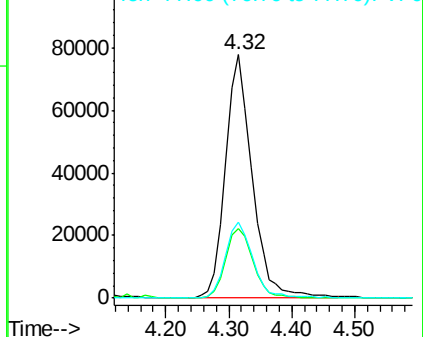
77 31.2 23.4 35.0

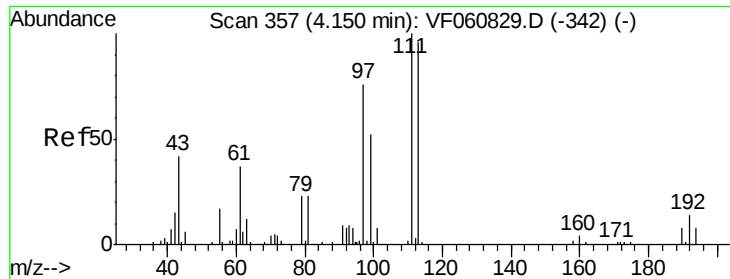


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

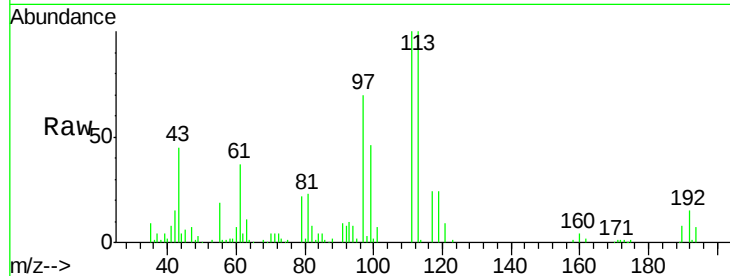




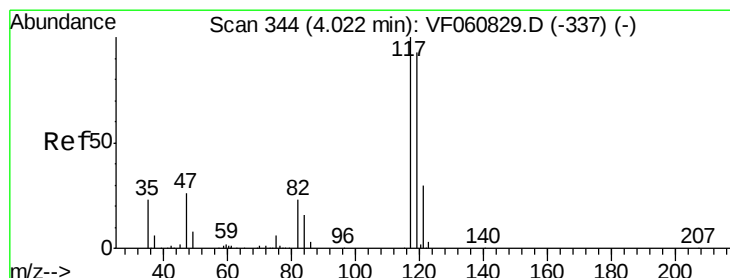
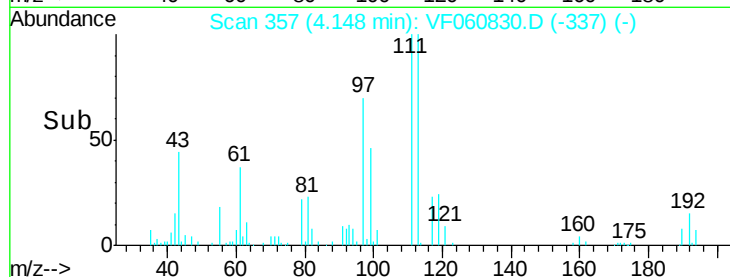
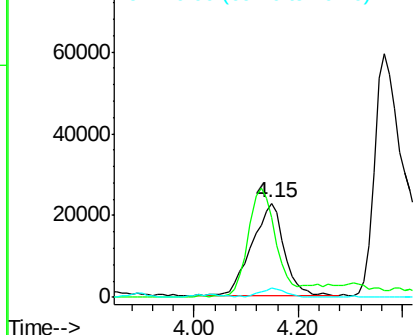
#37
Ethyl Acetate
Concen: 71.516 ug/l
RT: 4.15 min Scan# 357
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion: 43 Resp: 95506
Ion Ratio Lower Upper
43 100
61 83.9 68.6 103.0
70 9.4 9.0 13.4

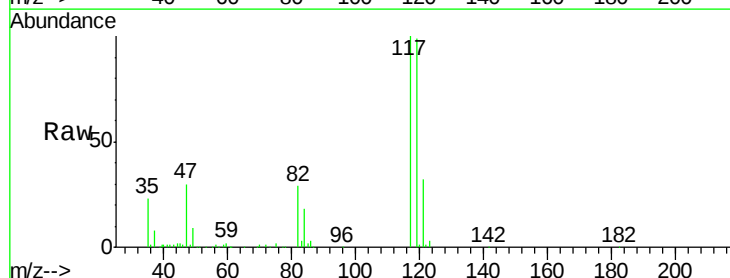


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

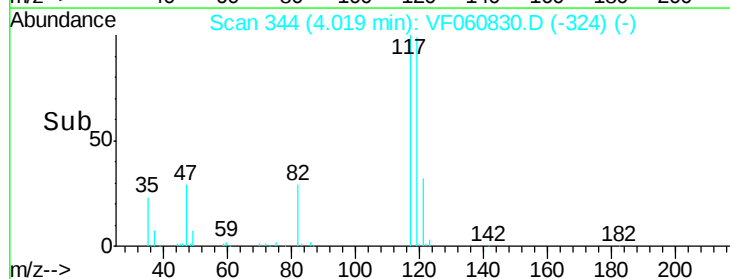
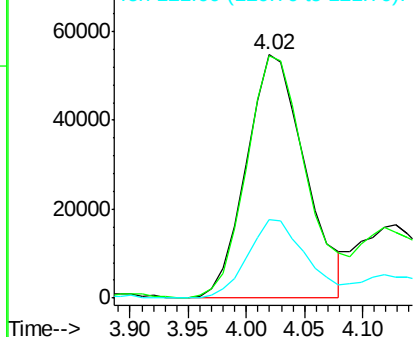


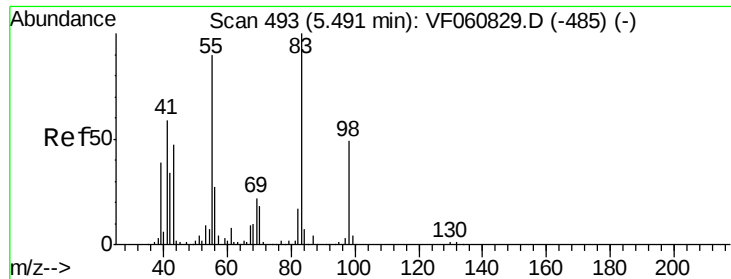
#38
Carbon Tetrachloride
Concen: 55.330 ug/l
RT: 4.02 min Scan# 344
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion: 117 Resp: 190444
Ion Ratio Lower Upper
117 100
119 99.3 74.4 111.6
121 32.9 23.5 35.3



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

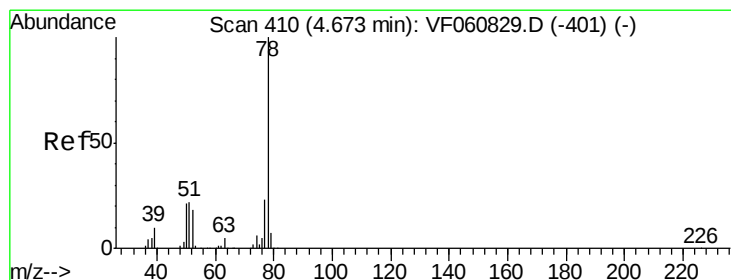
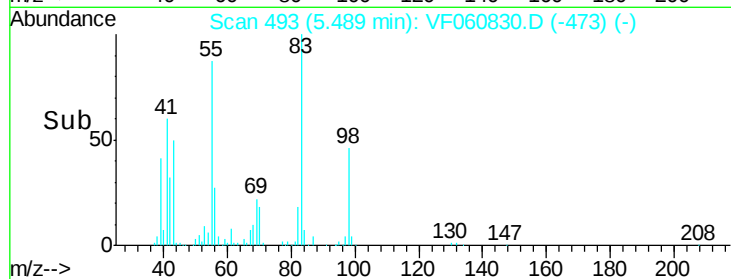
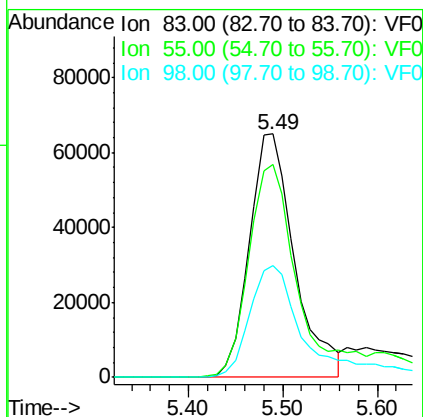
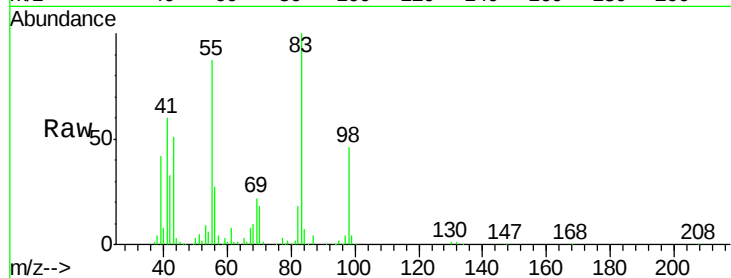




#39
Methylcyclohexane
Concen: 53.685 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

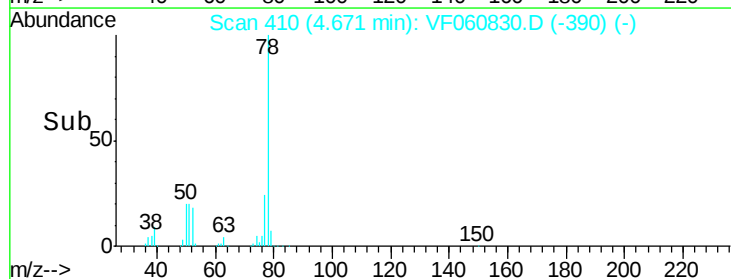
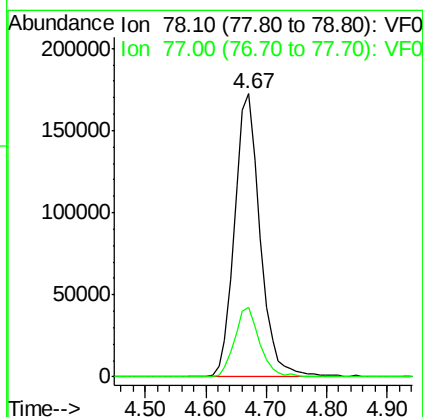
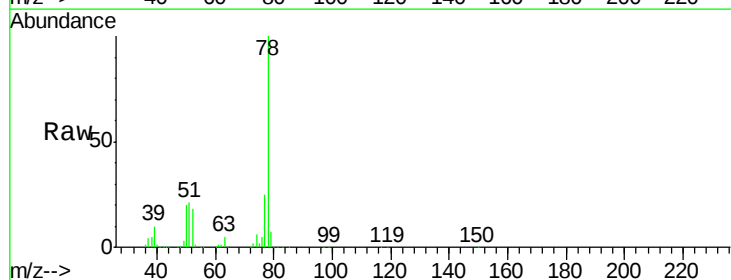
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

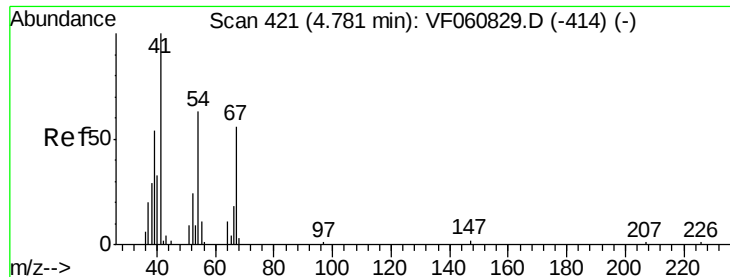
Tgt Ion: 83 Resp: 216583
Ion Ratio Lower Upper
83 100
55 87.3 72.1 108.1
98 46.0 39.1 58.7



#40
Benzene
Concen: 64.448 ug/l
RT: 4.67 min Scan# 410
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion: 78 Resp: 507138
Ion Ratio Lower Upper
78 100
77 24.6 18.7 28.1

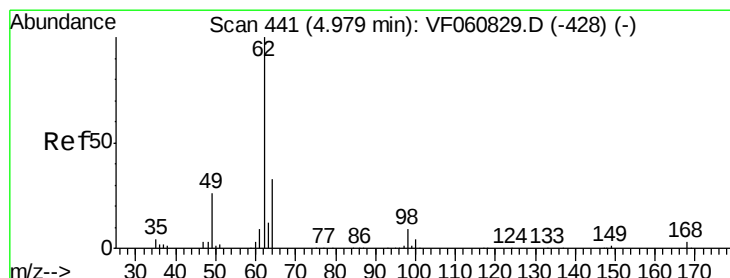
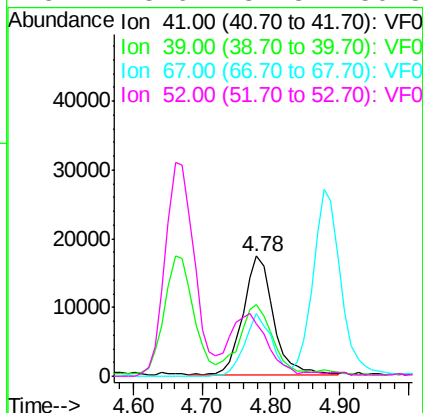
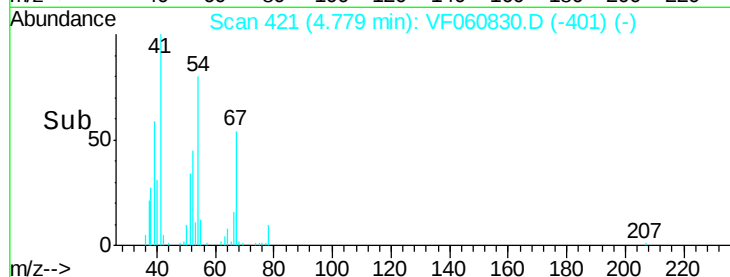
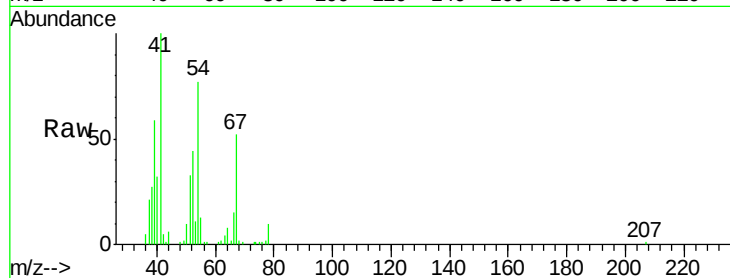




#41
Methacrylonitrile
Concen: 65.980 ug/l
RT: 4.78 min Scan# 421
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

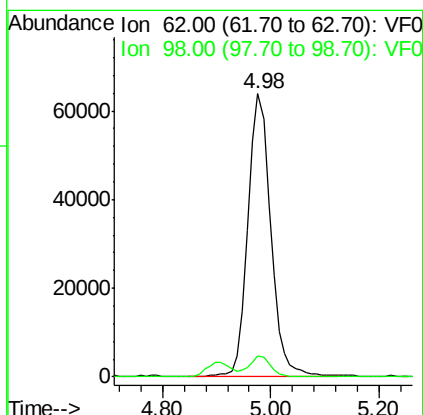
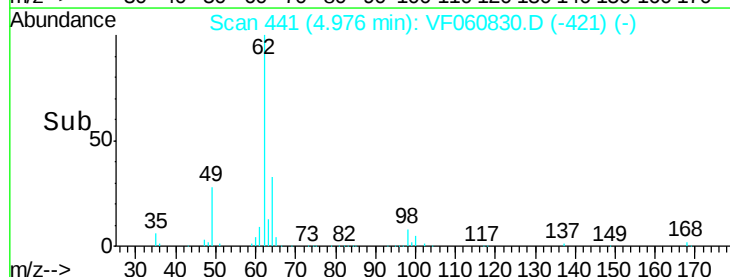
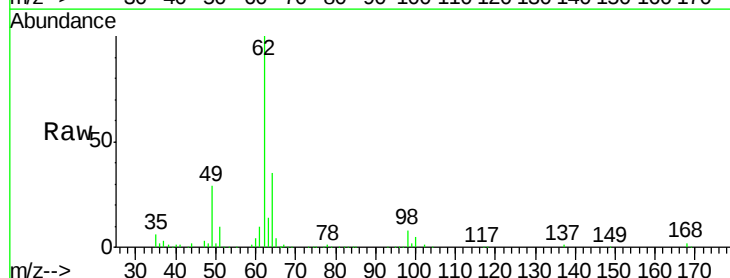
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

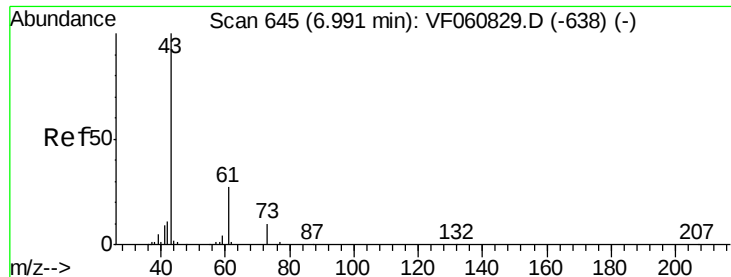
Tgt Ion:	41	Resp:	52764
Ion	Ratio	Lower	Upper
41	100		
39	59.3	53.0	79.6
67	51.9	43.8	65.6
52	43.6	37.8	56.8



#42
1,2-Dichloroethane
Concen: 67.940 ug/l
RT: 4.98 min Scan# 441
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion:	62	Resp:	188521
Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	17.2





#43

Isopropyl Acetate

Concen: 70.515 ug/l

RT: 6.99 min Scan# 645

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

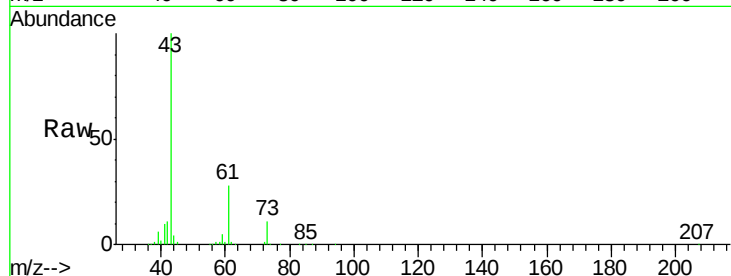
Tgt Ion: 43 Resp: 125636

Ion Ratio Lower Upper

43 100

61 27.9 21.4 32.0

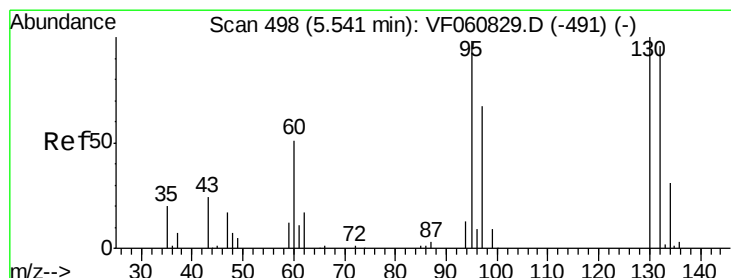
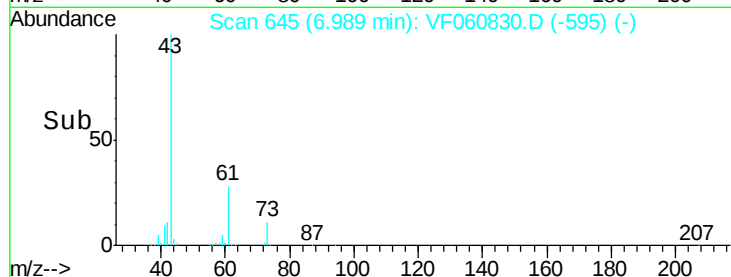
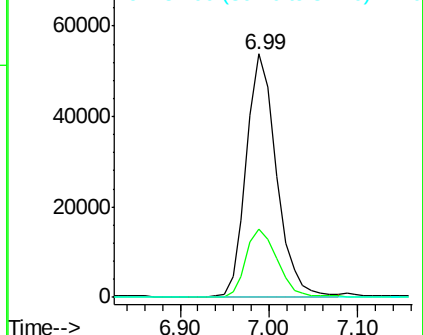
87 0.2 0.2 0.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 64.798 ug/l

RT: 5.54 min Scan# 498

Delta R.T. -0.00 min

Lab File: VF060830.D

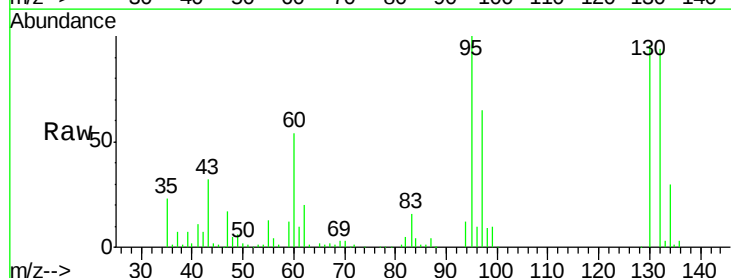
Acq: 26 Nov 2018 18:59

Tgt Ion: 130 Resp: 162802

Ion Ratio Lower Upper

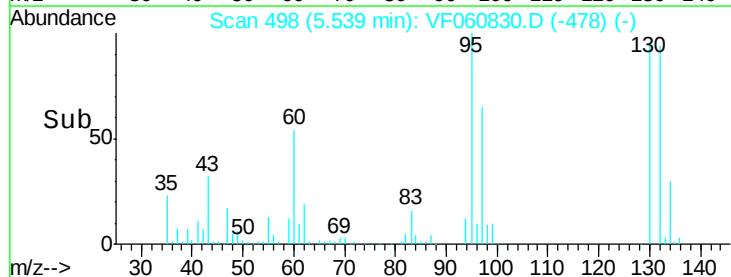
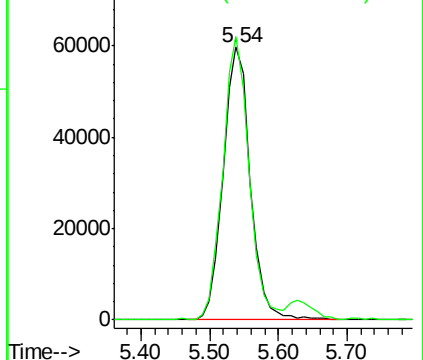
130 100

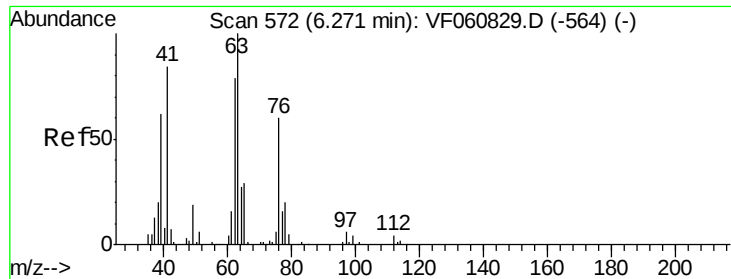
95 103.7 0.0 195.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 67.620 ug/l

RT: 6.27 min Scan# 572

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

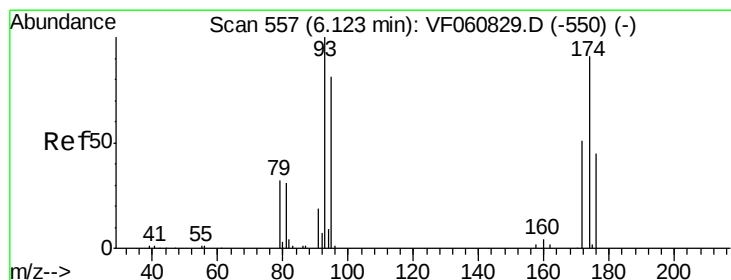
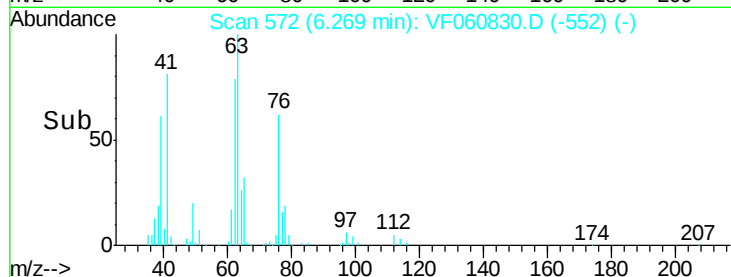
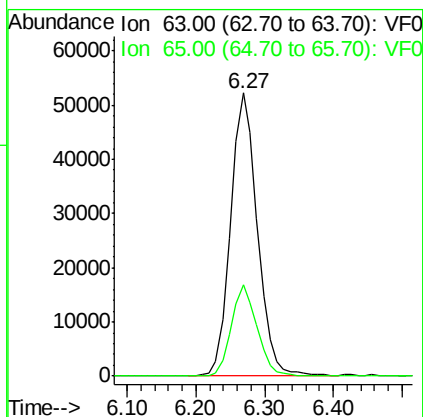
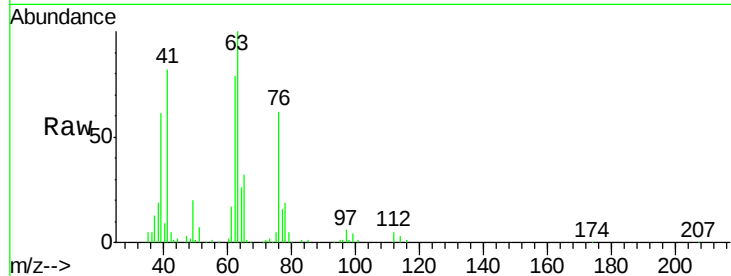
VSTDIC075

Tgt Ion: 63 Resp: 140938

Ion Ratio Lower Upper

63 100

65 32.3 23.2 34.8



#46

Dibromomethane

Concen: 69.747 ug/l

RT: 6.12 min Scan# 557

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

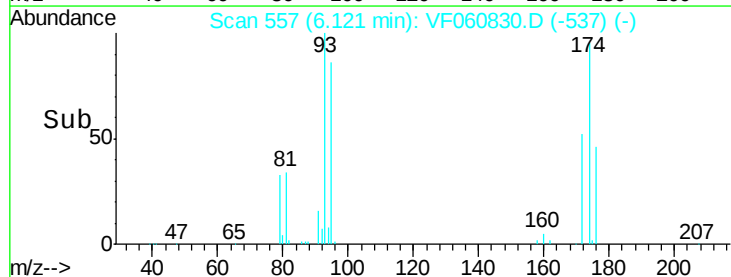
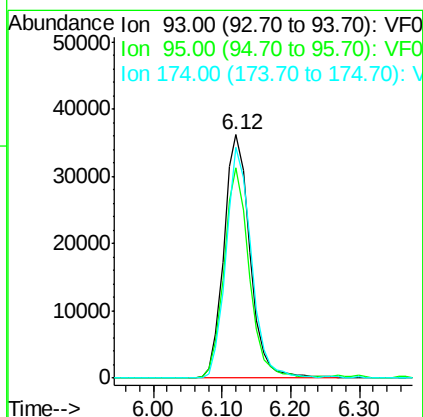
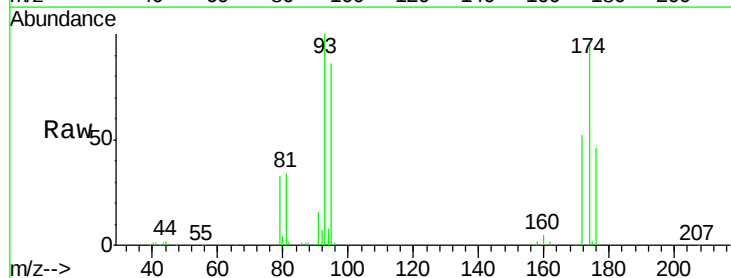
Tgt Ion: 93 Resp: 95259

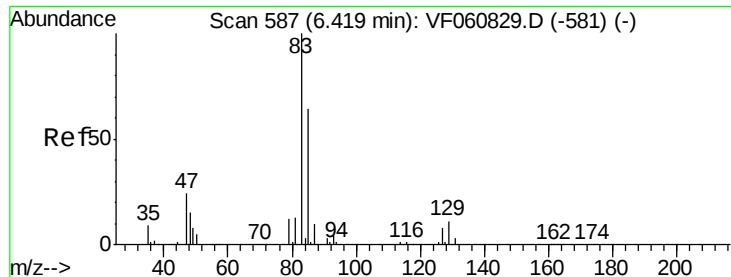
Ion Ratio Lower Upper

93 100

95 86.2 64.7 97.1

174 94.7 73.0 109.6





#47

Bromodichloromethane

Concen: 72.110 ug/l

RT: 6.42 min Scan# 587

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

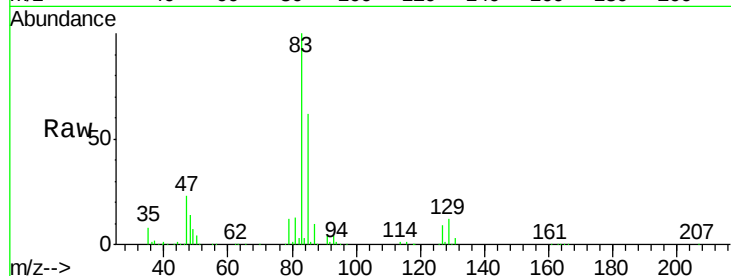
Tgt Ion: 83 Resp: 251088

Ion Ratio Lower Upper

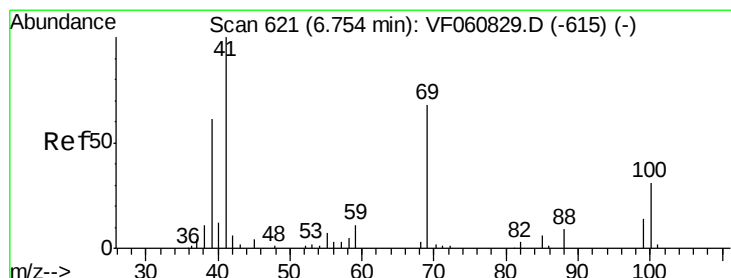
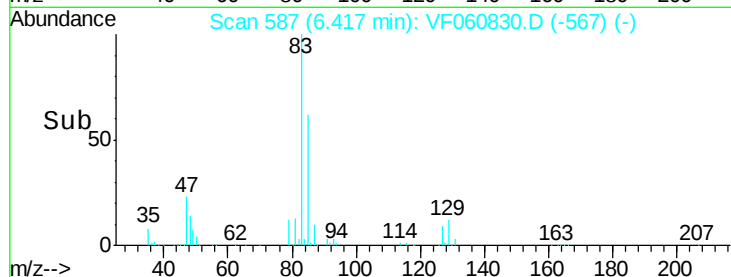
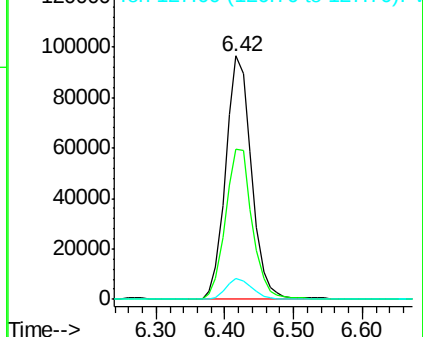
83 100

85 61.8 51.1 76.7

127 8.6 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: 73.946 ug/l

RT: 6.75 min Scan# 621

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

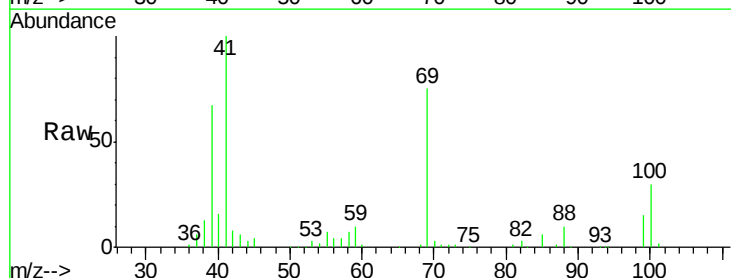
Tgt Ion: 41 Resp: 88148

Ion Ratio Lower Upper

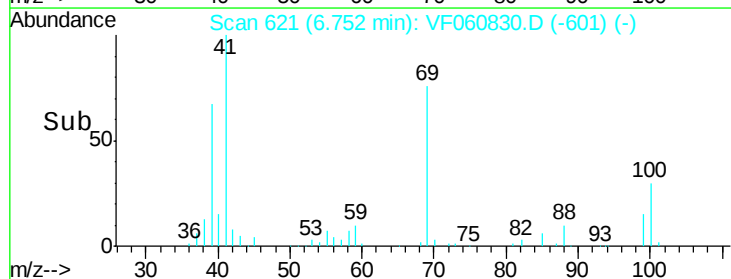
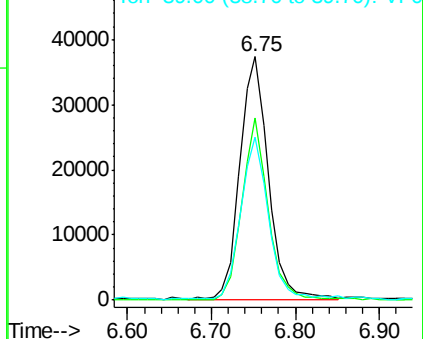
41 100

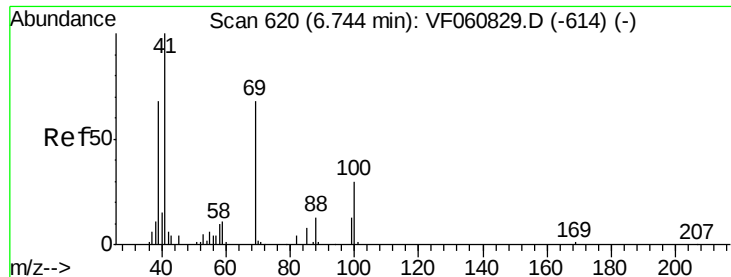
69 74.8 53.9 80.9

39 67.0 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: 1346.029 ug/l

RT: 6.74 min Scan# 620

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

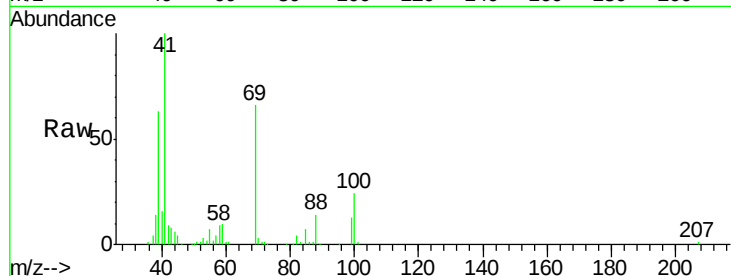
Tgt Ion: 88 Resp: 14643

Ion Ratio Lower Upper

88 100

43 58.0 42.0 63.0

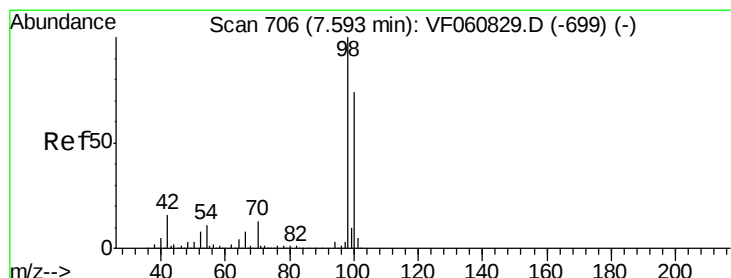
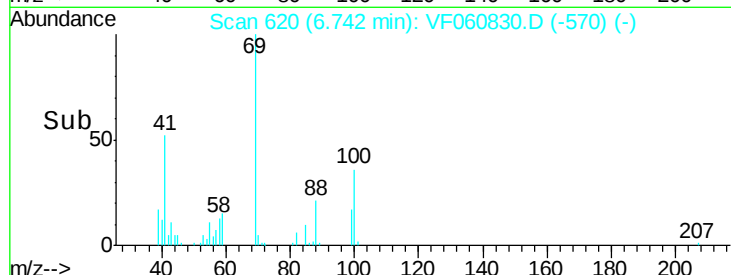
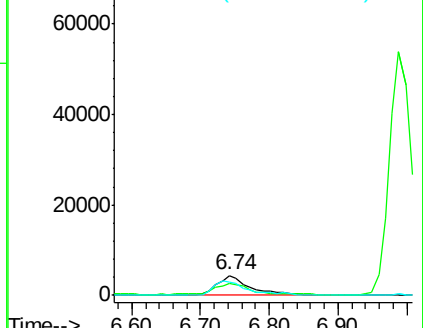
58 63.6 61.8 92.8



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 72.599 ug/l

RT: 7.59 min Scan# 706

Delta R.T. -0.00 min

Lab File: VF060830.D

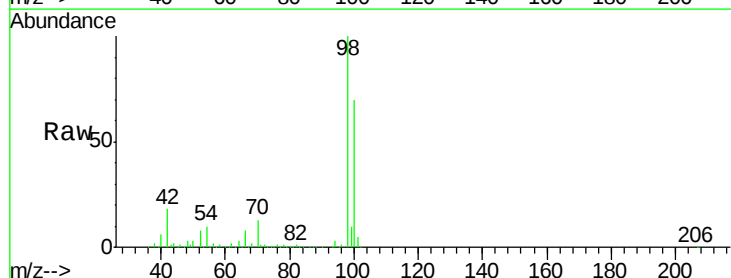
Acq: 26 Nov 2018 18:59

Tgt Ion: 98 Resp: 503288

Ion Ratio Lower Upper

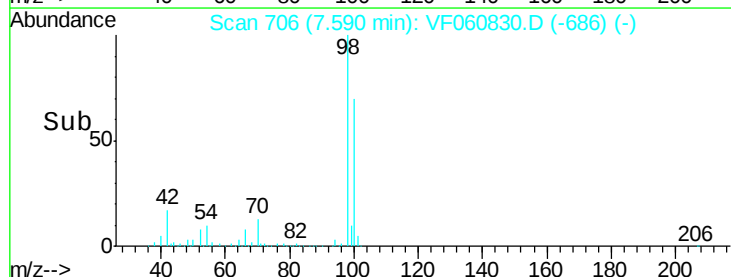
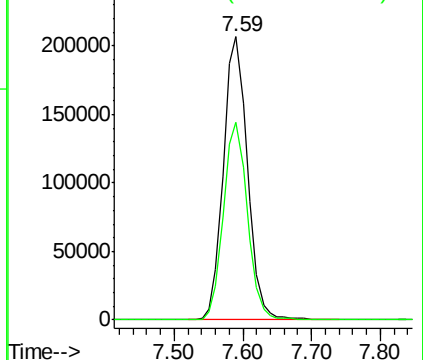
98 100

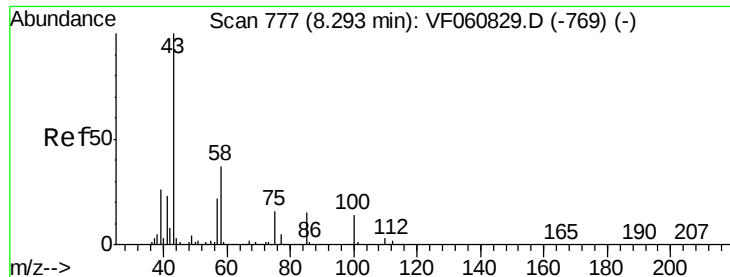
100 69.7 59.3 88.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 343.852 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

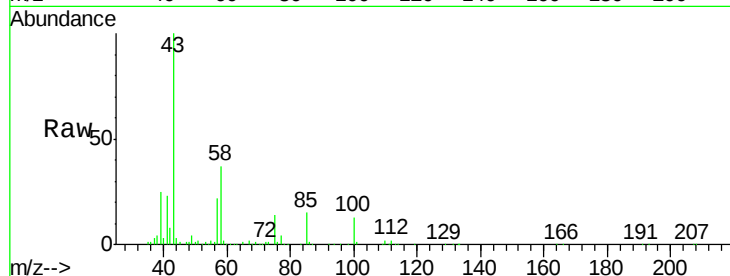
VSTDIC075

Tgt Ion: 43 Resp: 438465

Ion Ratio Lower Upper

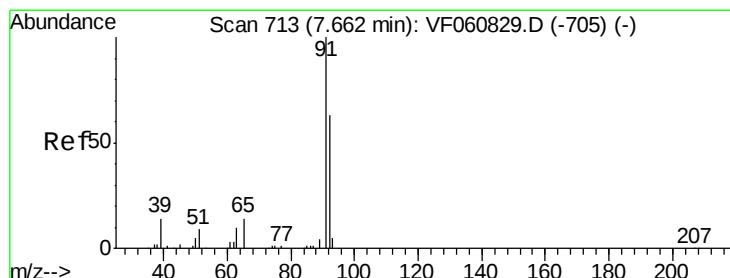
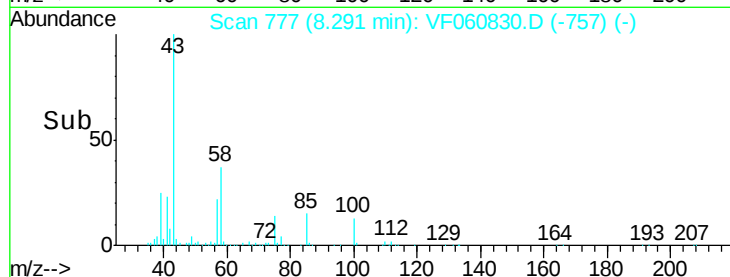
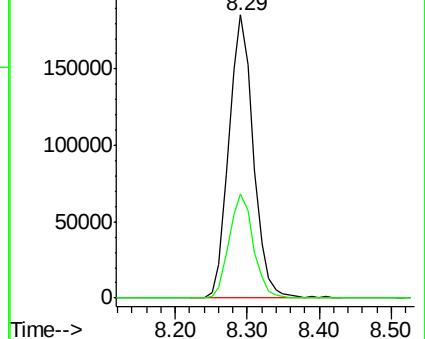
43 100

58 36.9 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 66.229 ug/l

RT: 7.66 min Scan# 713

Delta R.T. -0.00 min

Lab File: VF060830.D

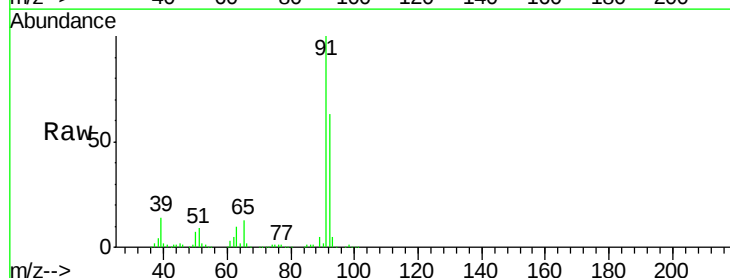
Acq: 26 Nov 2018 18:59

Tgt Ion: 92 Resp: 349841

Ion Ratio Lower Upper

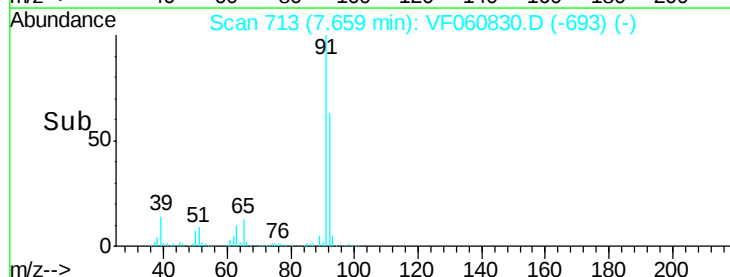
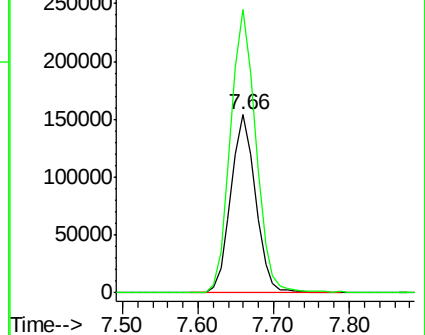
92 100

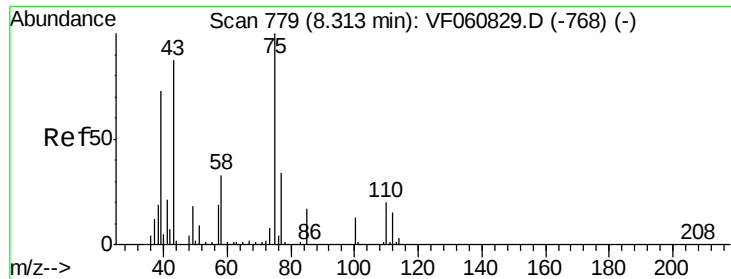
91 158.9 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 68.808 ug/l

RT: 8.31 min Scan# 779

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

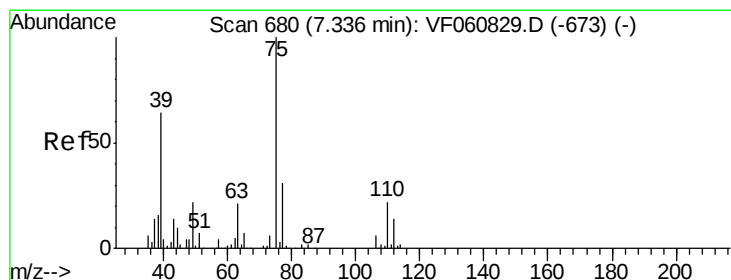
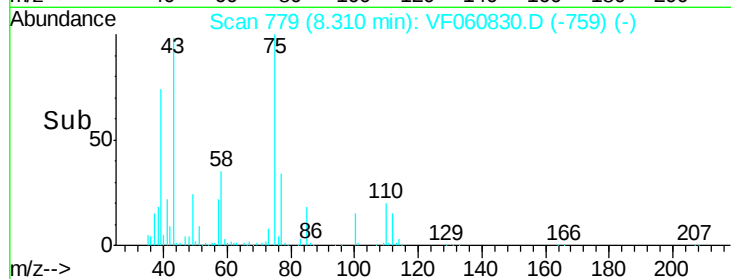
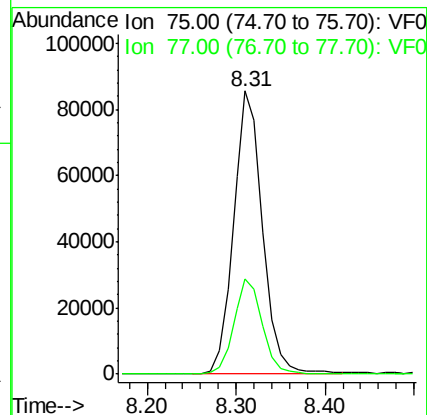
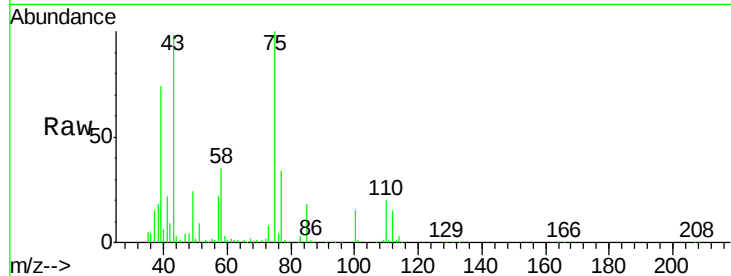
VSTDIC075

Tgt Ion: 75 Resp: 194258

Ion Ratio Lower Upper

75 100

77 33.5 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 66.993 ug/l

RT: 7.33 min Scan# 680

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

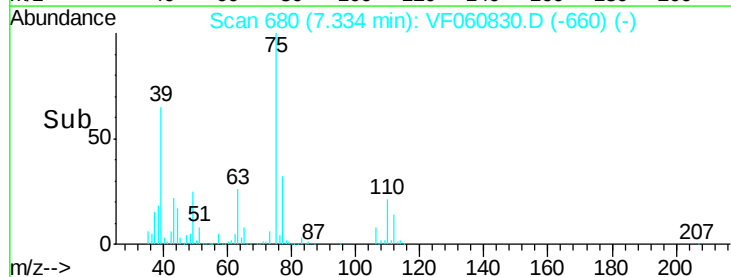
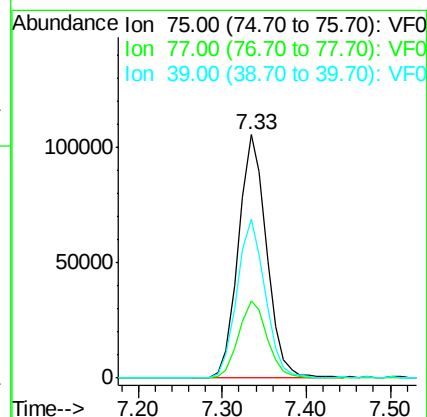
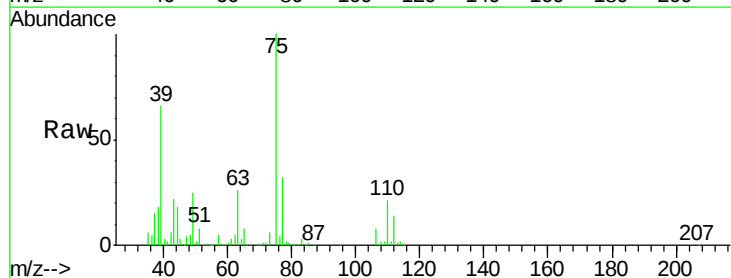
Tgt Ion: 75 Resp: 247263

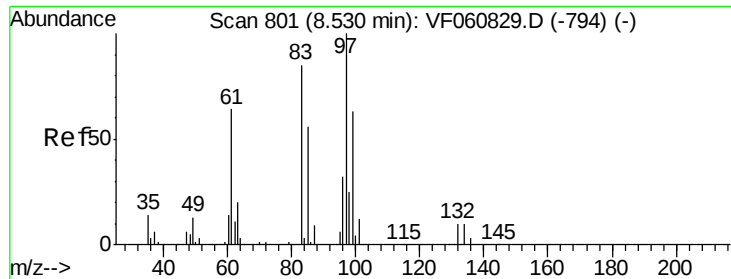
Ion Ratio Lower Upper

75 100

77 31.7 25.0 37.6

39 65.6 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 68.759 ug/l

RT: 8.53 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 97 Resp: 104743

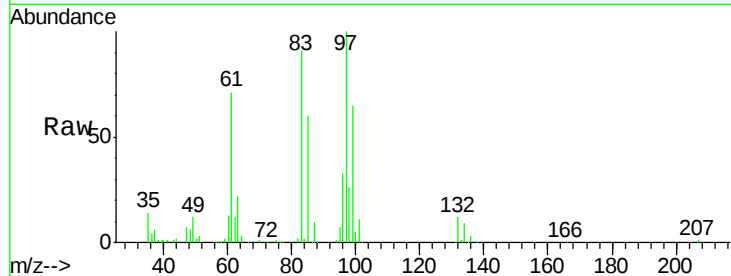
Ion Ratio Lower Upper

97 100

83 90.8 67.8 101.6

85 59.5 45.0 67.6

99 65.4 50.5 75.7

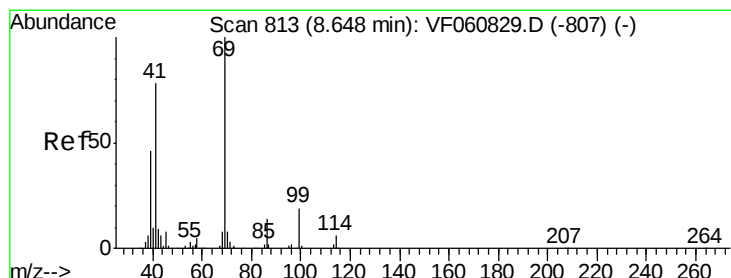
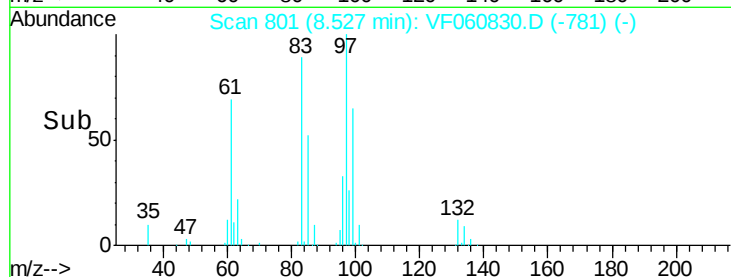
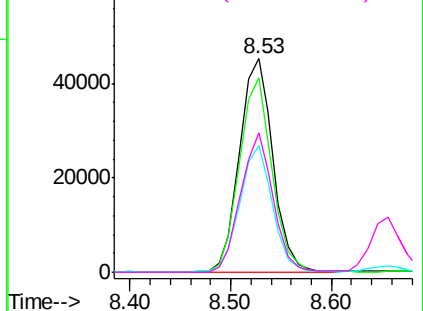


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 70.419 ug/l

RT: 8.66 min Scan# 814

Delta R.T. 0.01 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

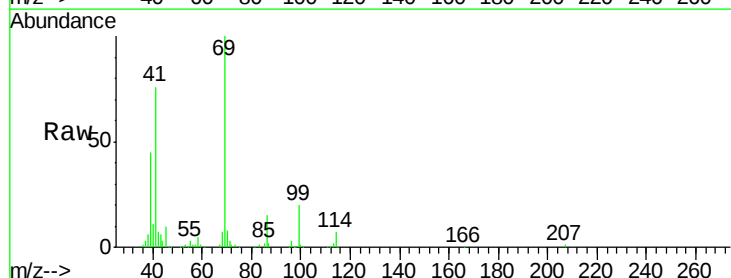
Tgt Ion: 69 Resp: 123167

Ion Ratio Lower Upper

69 100

41 76.0 62.6 94.0

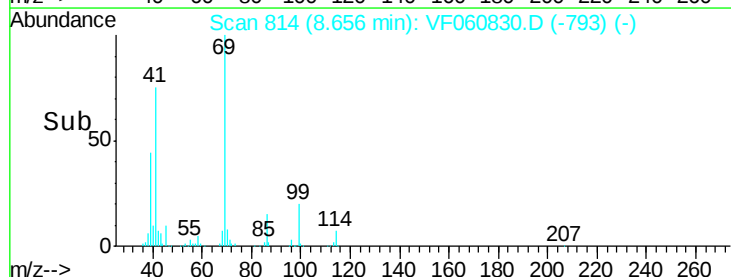
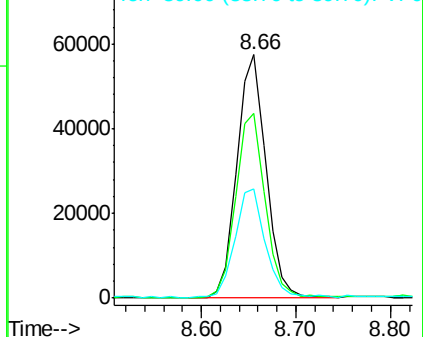
39 44.7 37.8 56.6

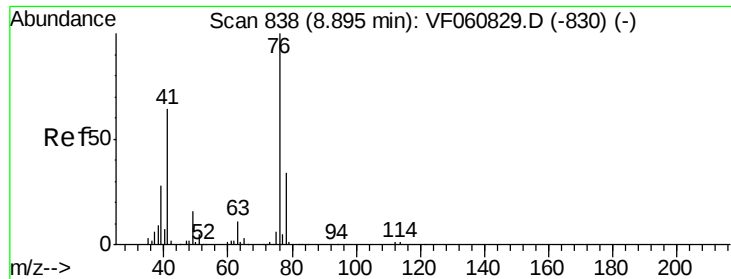


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 72.021 ug/l

RT: 8.89 min Scan# 838

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

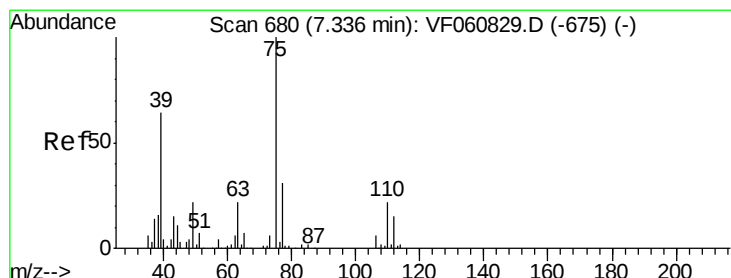
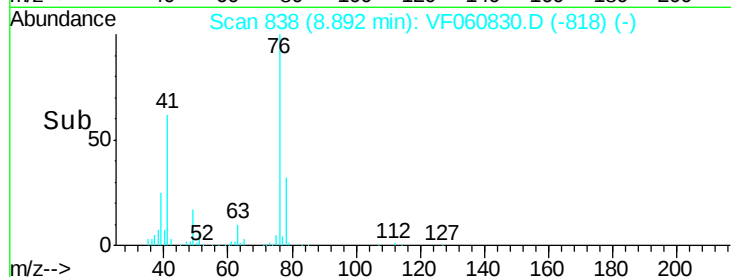
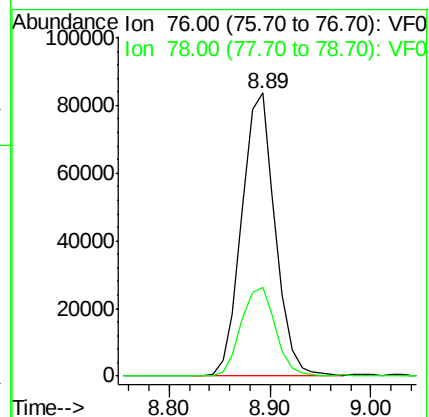
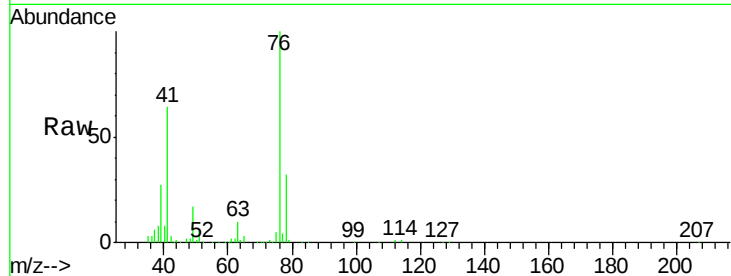
VSTDIC075

Tgt Ion: 76 Resp: 193460

Ion Ratio Lower Upper

76 100

78 31.6 27.0 40.4



#58

2-Chloroethyl Vinyl ether

Concen: 419.740 ug/l

RT: 7.33 min Scan# 680

Delta R.T. -0.00 min

Lab File: VF060830.D

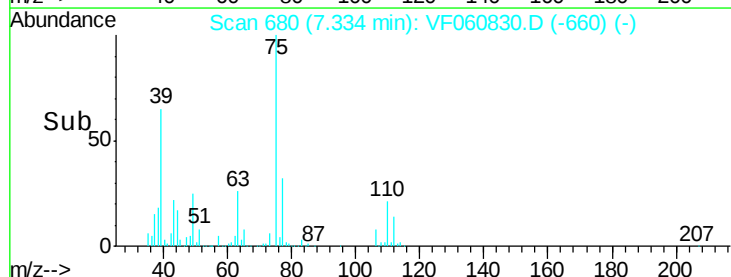
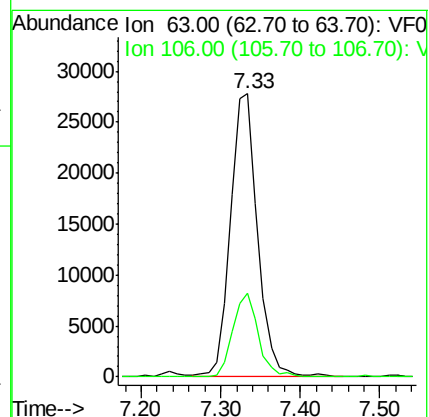
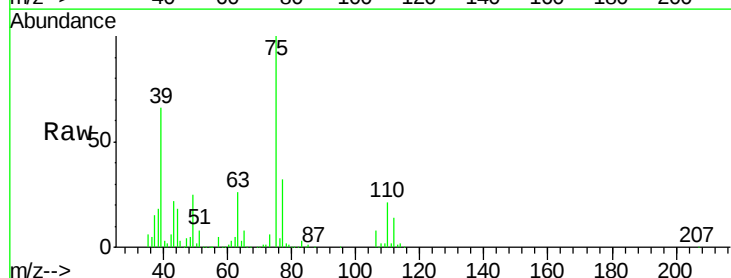
Acq: 26 Nov 2018 18:59

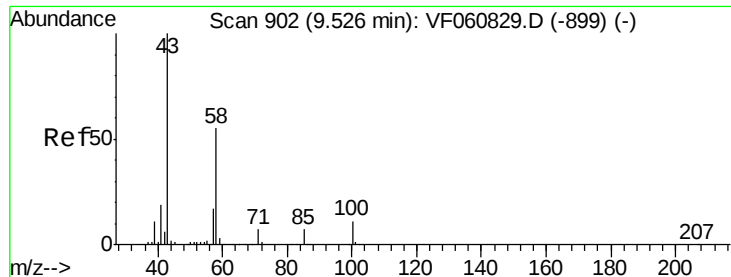
Tgt Ion: 63 Resp: 66717

Ion Ratio Lower Upper

63 100

106 29.5 23.0 34.6

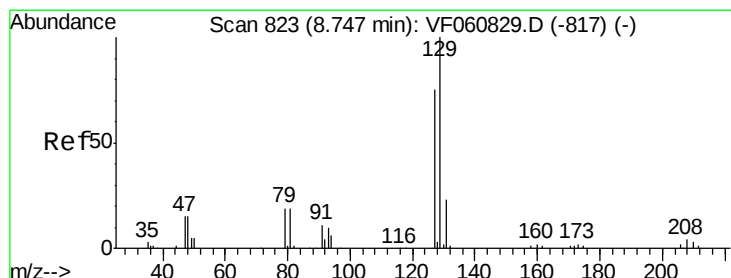
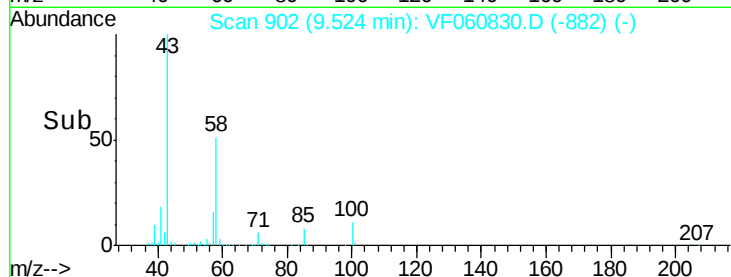
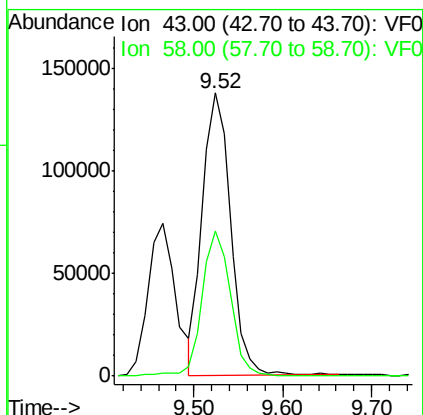
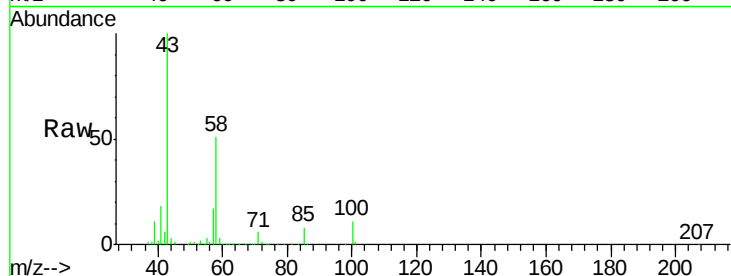




#59
2-Hexanone
Concen: 334.284 ug/l
RT: 9.52 min Scan# 902
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

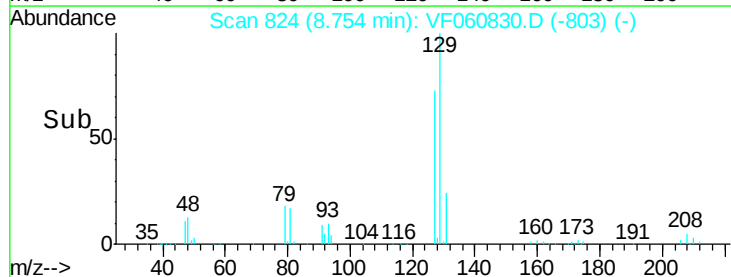
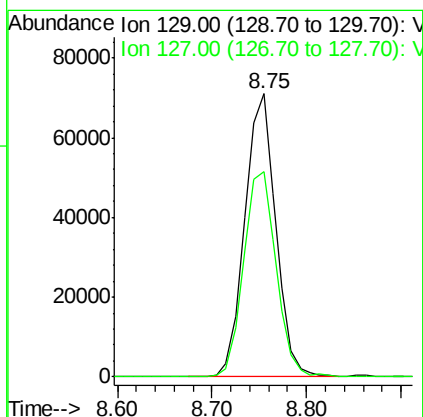
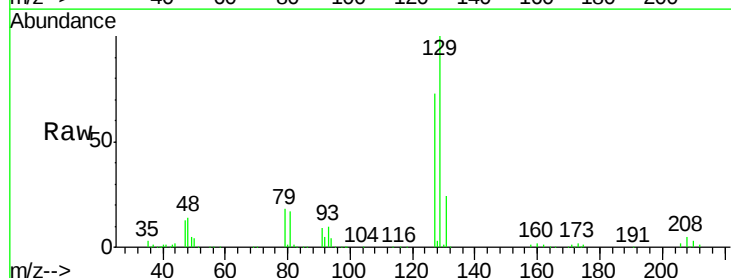
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

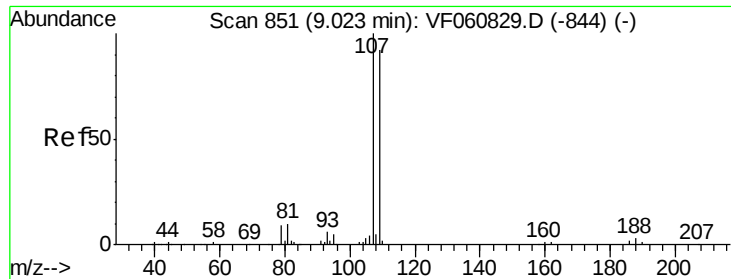
Tgt Ion: 43 Resp: 301132
Ion Ratio Lower Upper
43 100
58 51.3 25.6 76.6



#60
Dibromochloromethane
Concen: 73.383 ug/l
RT: 8.75 min Scan# 824
Delta R.T. 0.01 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion: 129 Resp: 161635
Ion Ratio Lower Upper
129 100
127 72.6 37.3 111.9





#61

1,2-Dibromoethane

Concen: 72.249 ug/l

RT: 9.02 min Scan# 851

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

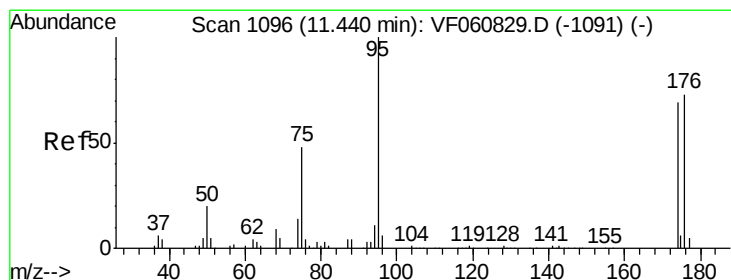
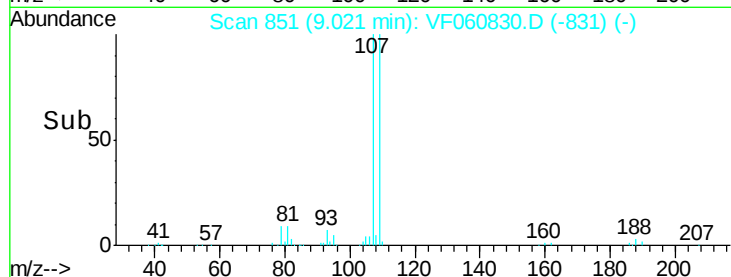
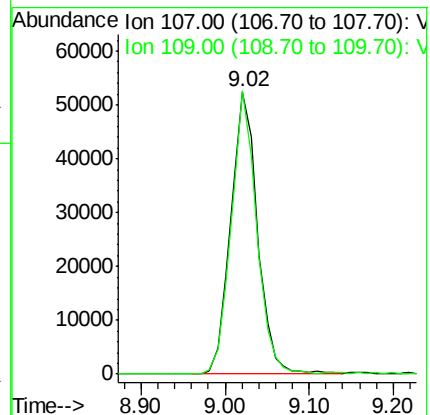
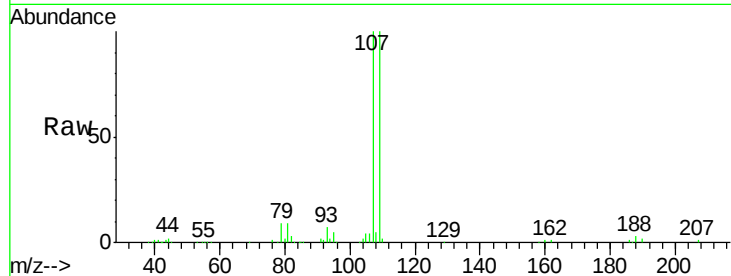
VSTDIC075

Tgt Ion: 107 Resp: 116153

Ion Ratio Lower Upper

107 100

109 100.1 73.6 110.4



#62

4-Bromofluorobenzene

Concen: 68.291 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

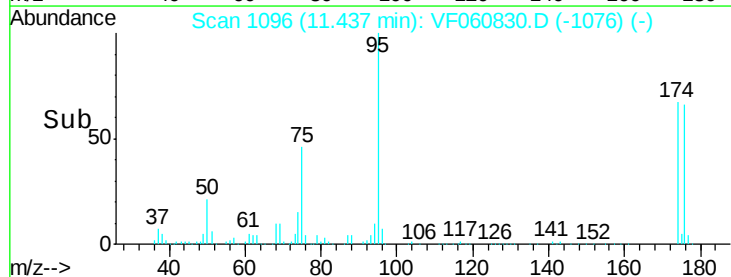
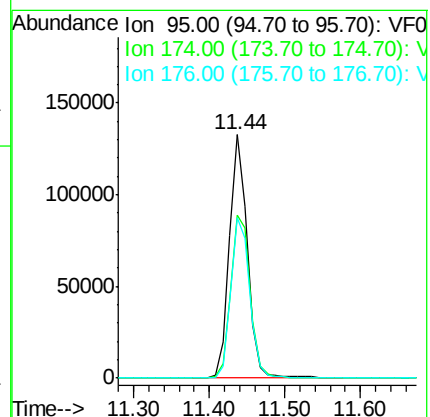
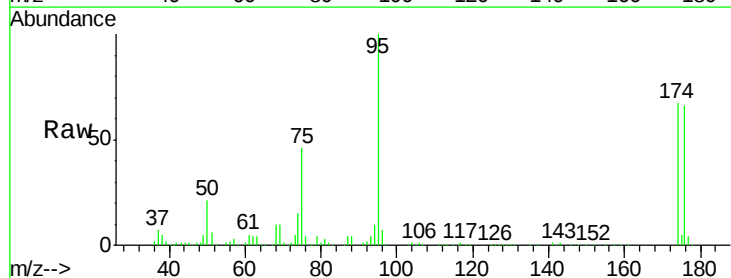
Tgt Ion: 95 Resp: 219246

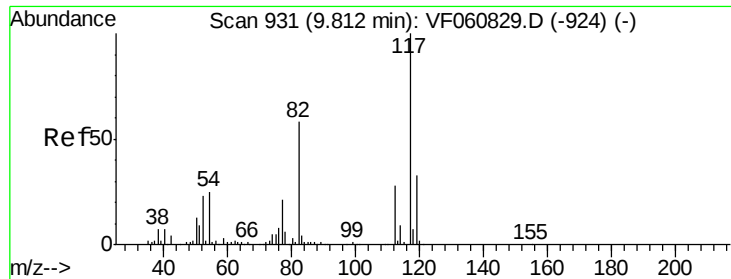
Ion Ratio Lower Upper

95 100

174 66.9 0.0 138.2

176 66.2 0.0 146.2

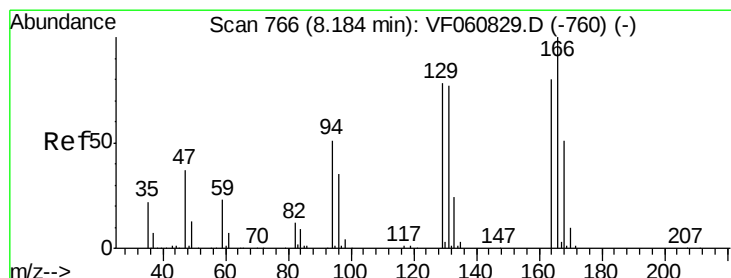
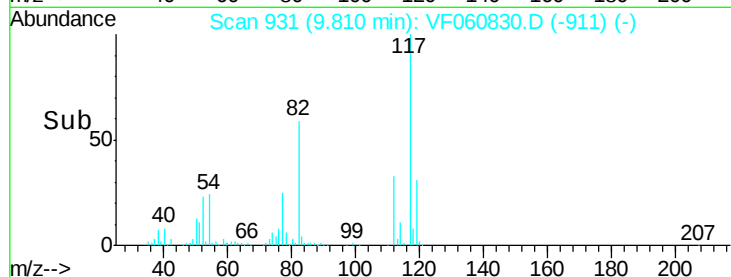
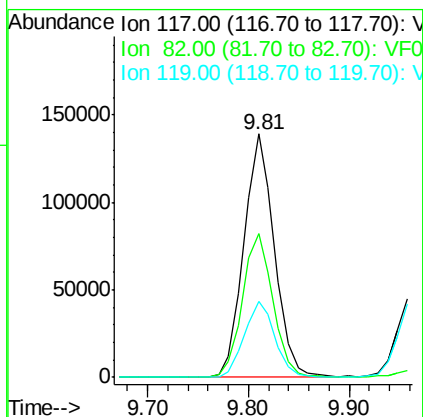
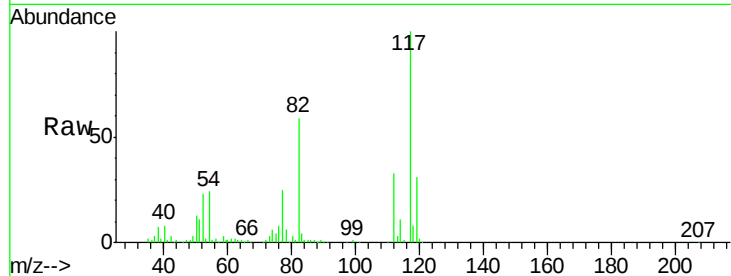




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.81 min Scan# 931
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

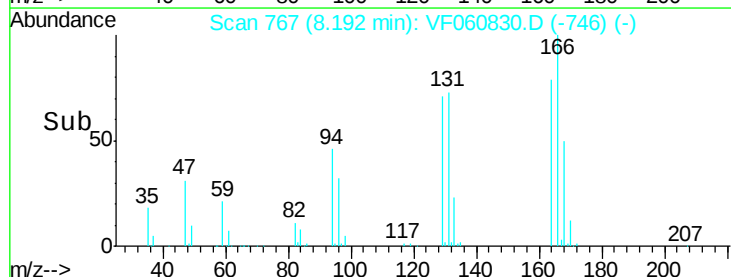
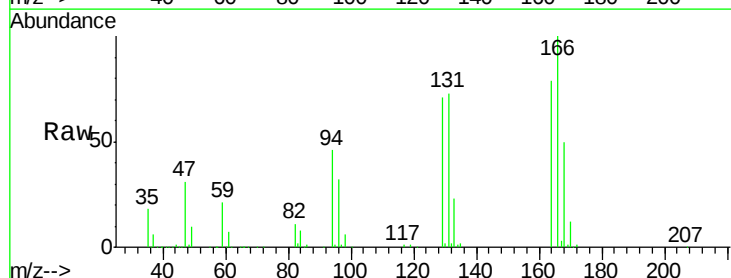
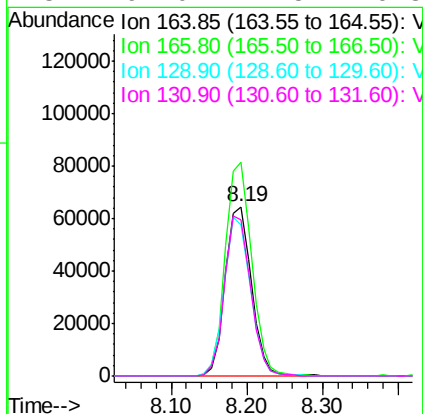
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion:117 Resp: 294102
Ion Ratio Lower Upper
117 100
82 59.3 46.6 69.8
119 31.0 26.4 39.6



#64
Tetrachloroethene
Concen: 68.702 ug/l
RT: 8.19 min Scan# 767
Delta R.T. 0.01 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion:164 Resp: 155189
Ion Ratio Lower Upper
164 100
166 126.3 100.3 150.5
129 89.3 77.9 116.9
131 92.0 77.5 116.3

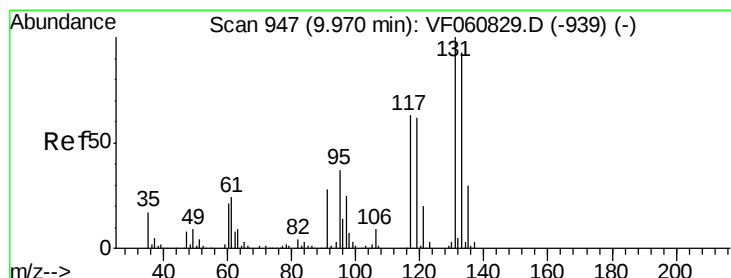
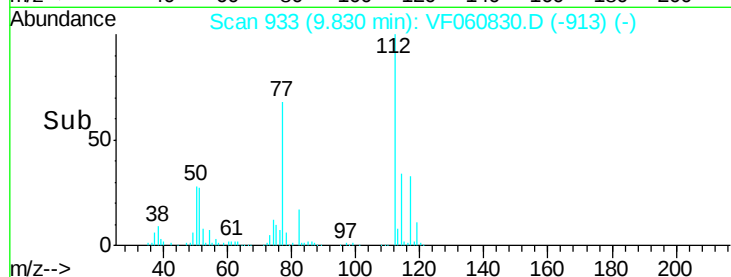
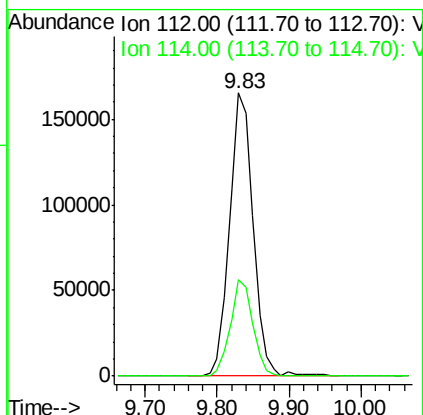
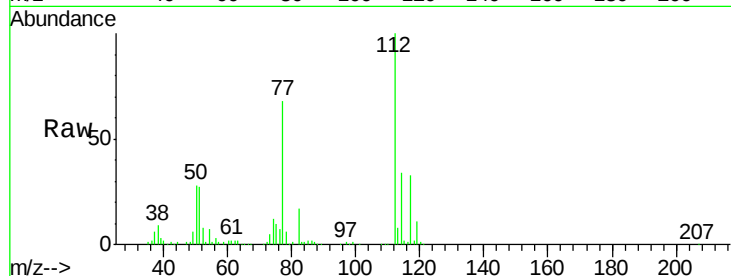




#65
Chlorobenzene
Concen: 64.144 ug/l
RT: 9.83 min Scan# 933
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

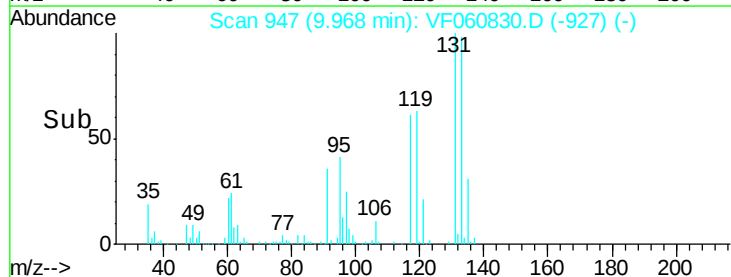
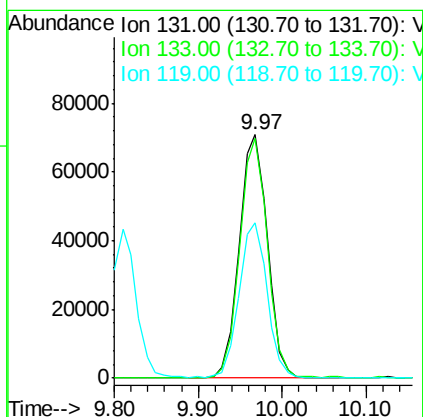
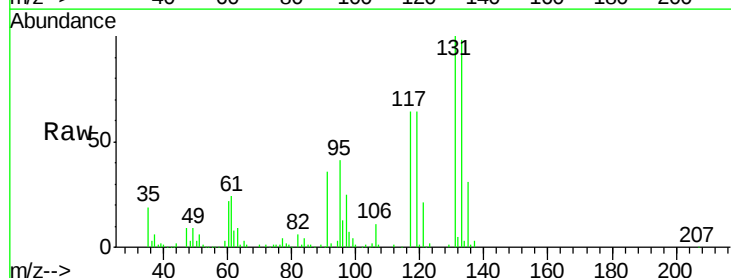
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion:112 Resp: 378518
Ion Ratio Lower Upper
112 100
114 34.1 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 65.695 ug/l
RT: 9.97 min Scan# 947
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion:131 Resp: 166000
Ion Ratio Lower Upper
131 100
133 98.3 46.5 139.3
119 63.7 31.1 93.3

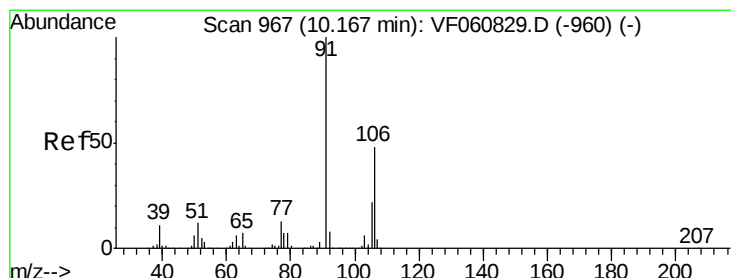
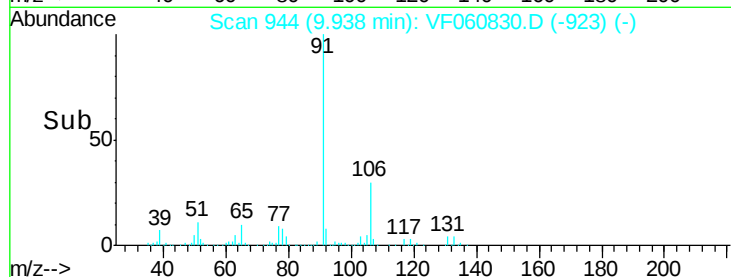
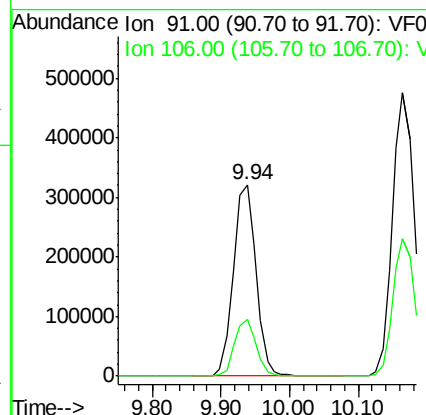
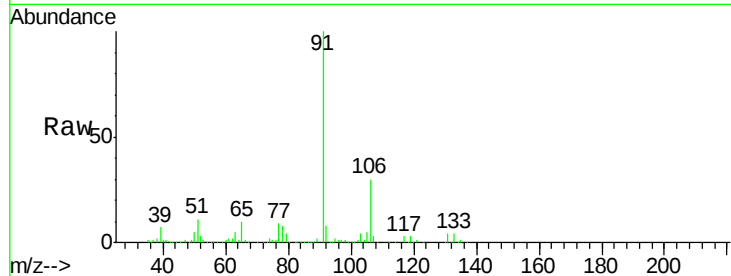




#67
Ethyl Benzene
Concen: 66.599 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.01 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

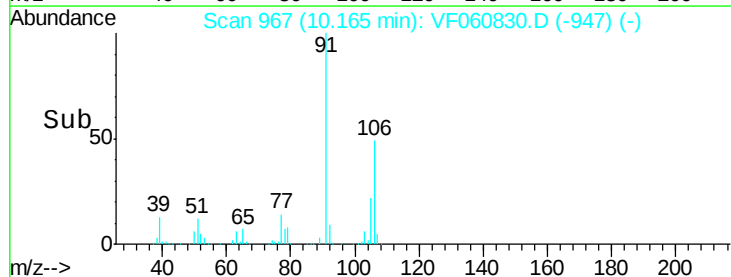
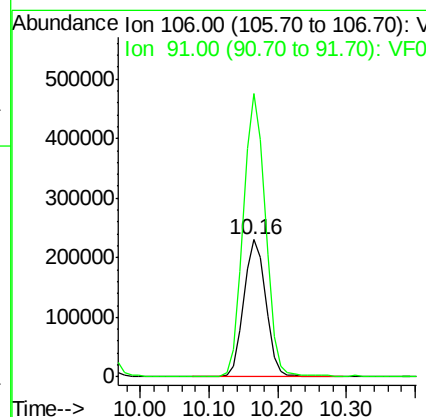
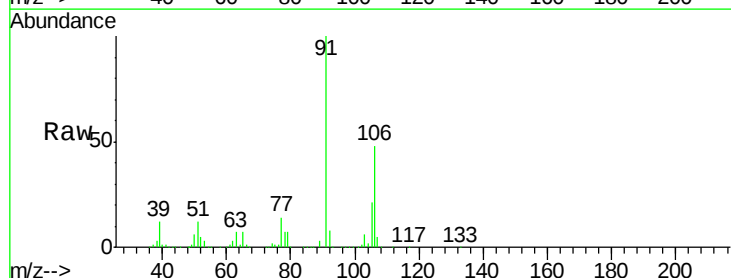
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

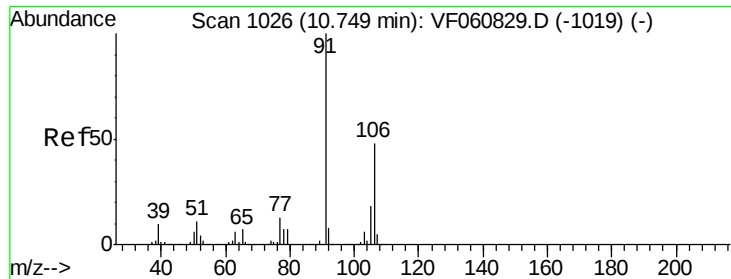
Tgt Ion: 91 Resp: 736058
Ion Ratio Lower Upper
91 100
106 29.9 22.2 33.2



#68
m/p-Xylenes
Concen: 130.303 ug/l
RT: 10.16 min Scan# 967
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion: 106 Resp: 512844
Ion Ratio Lower Upper
106 100
91 206.5 166.7 250.1

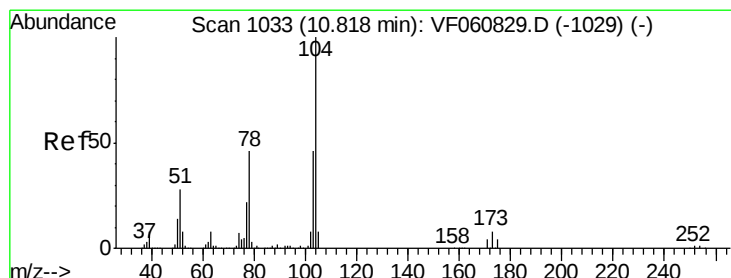
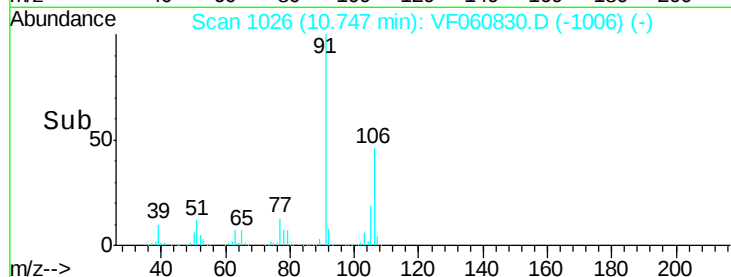
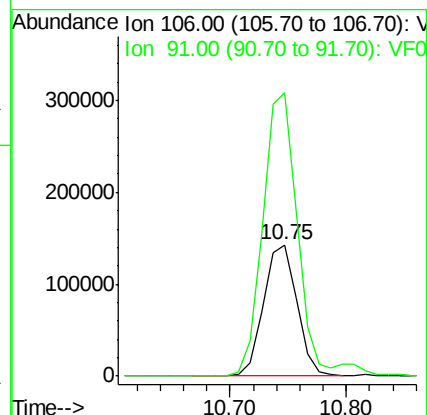
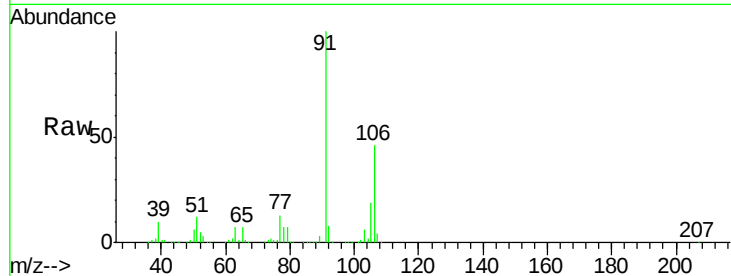




#69
o-Xylene
Concen: 64.502 ug/l
RT: 10.75 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

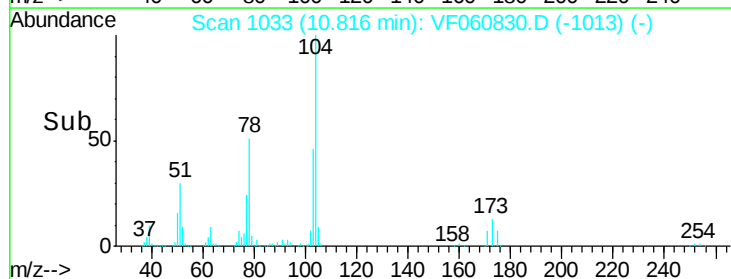
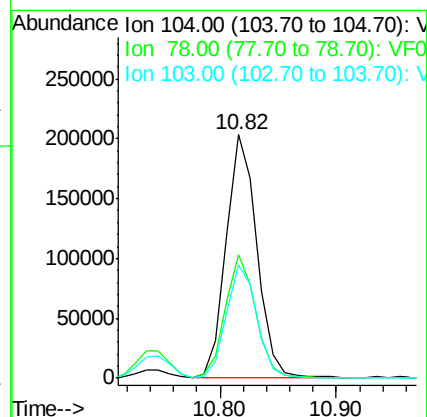
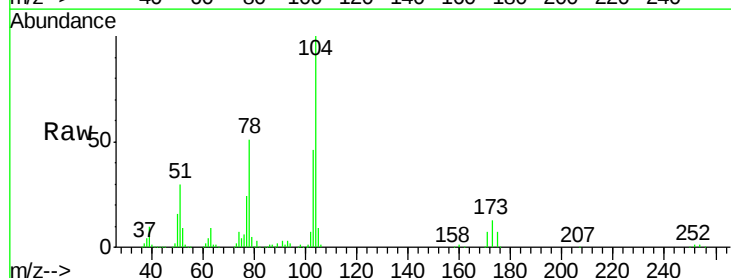
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion:106 Resp: 284337
Ion Ratio Lower Upper
106 100
91 215.7 104.8 314.6



#70
Styrene
Concen: 61.789 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion:104 Resp: 371885
Ion Ratio Lower Upper
104 100
78 50.9 37.3 55.9
103 46.4 36.8 55.2





#71

Bromoform

Concen: 75.034 ug/l

RT: 10.81 min Scan# 1032

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

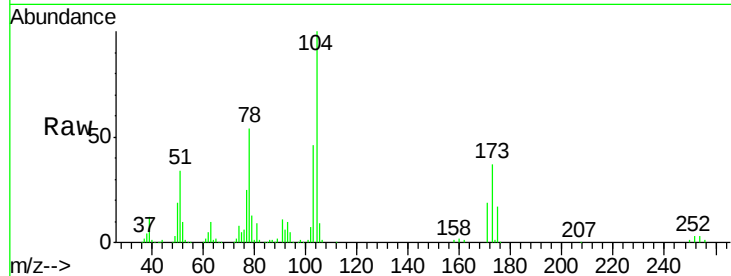
Tgt Ion:173 Resp: 86145

Ion Ratio Lower Upper

173 100

175 45.3 25.5 76.5

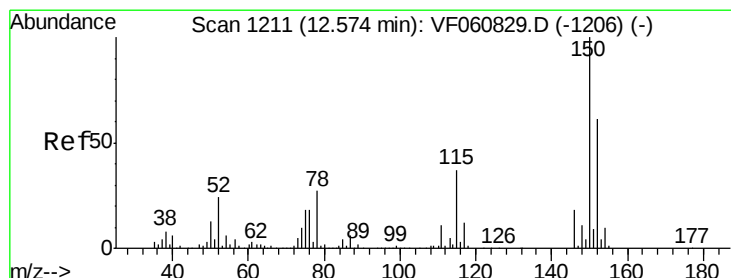
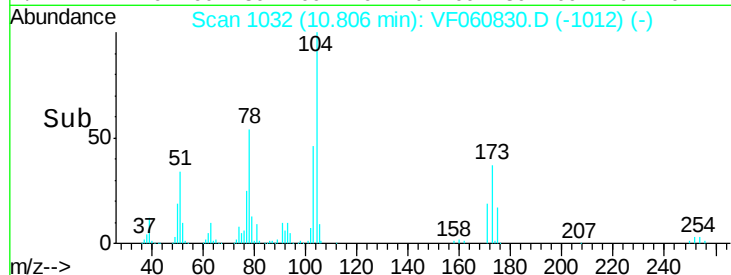
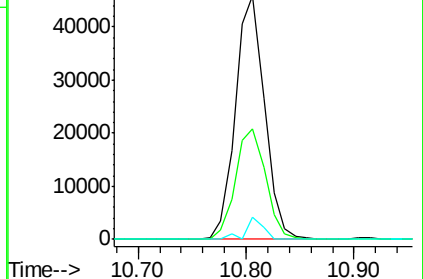
254 8.9 7.5 11.3



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: 12.57 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

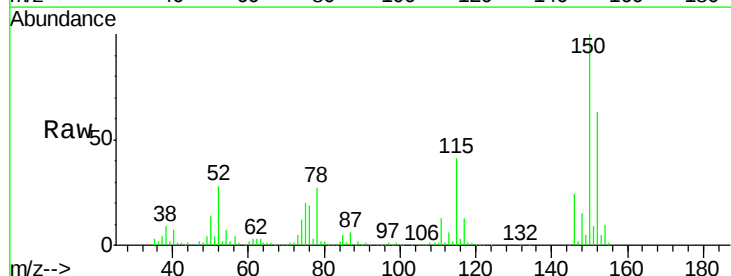
Tgt Ion:152 Resp: 152348

Ion Ratio Lower Upper

152 100

115 64.4 30.1 90.5

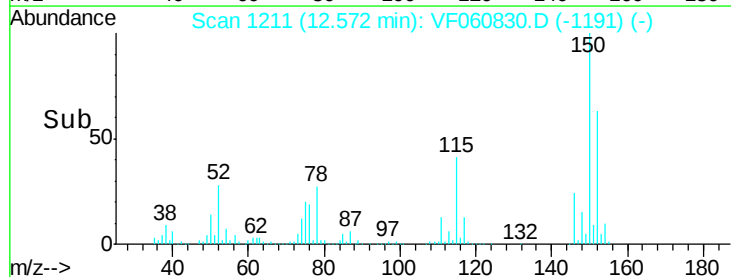
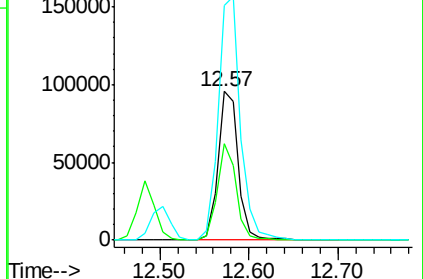
150 157.6 0.0 327.6

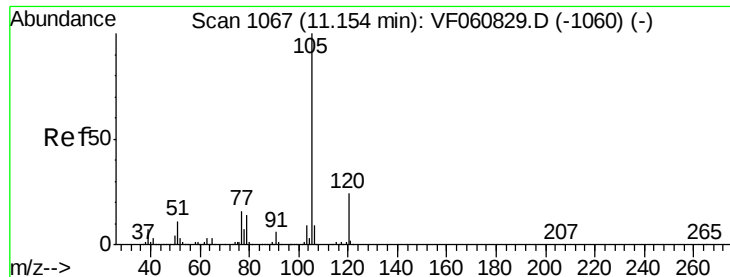


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 65.746 ug/l

RT: 11.15 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

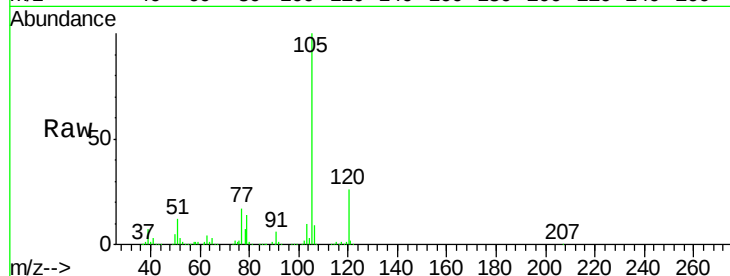
VSTDIC075

Tgt Ion: 105 Resp: 802665

Ion Ratio Lower Upper

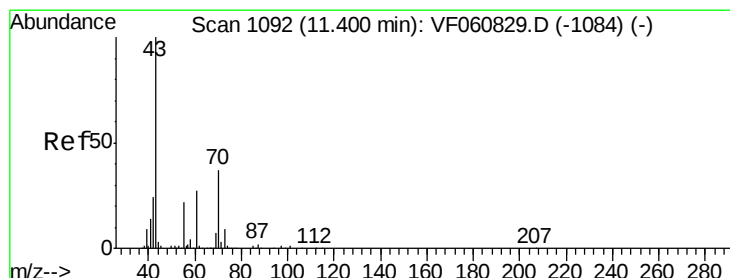
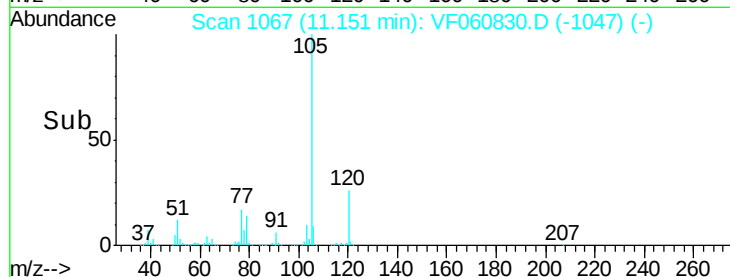
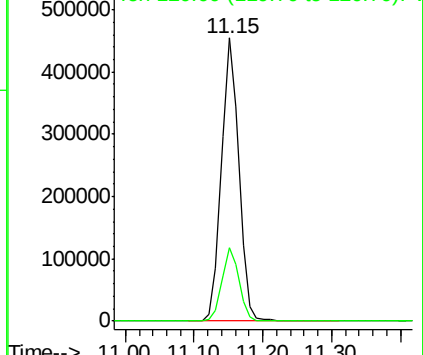
105 100

120 25.9 12.2 36.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 68.089 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Tgt Ion: 43 Resp: 191817

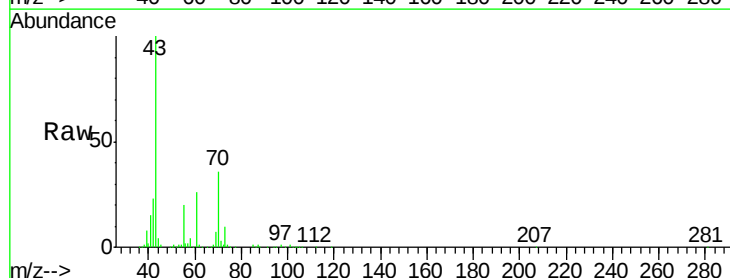
Ion Ratio Lower Upper

43 100

70 35.7 29.6 44.4

55 20.0 17.2 25.8

61 26.1 21.8 32.6

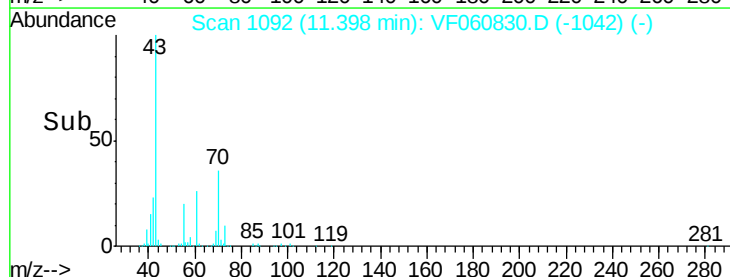
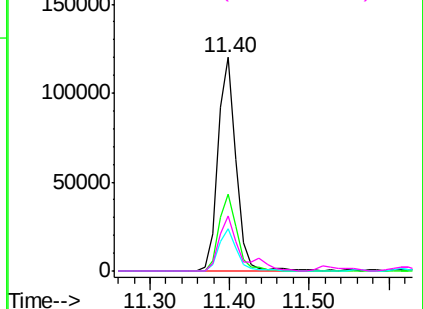


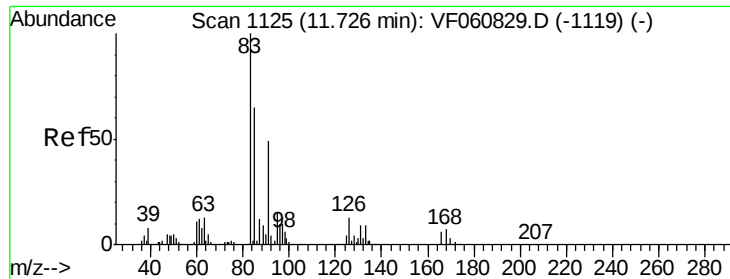
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 67.906 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

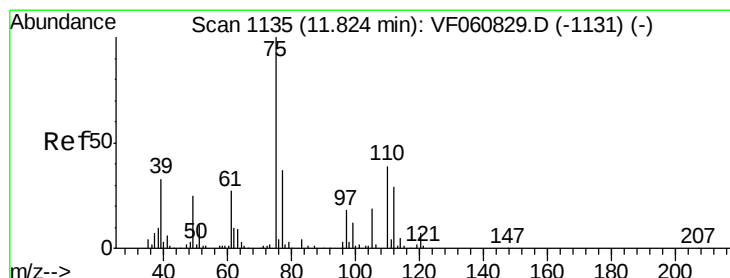
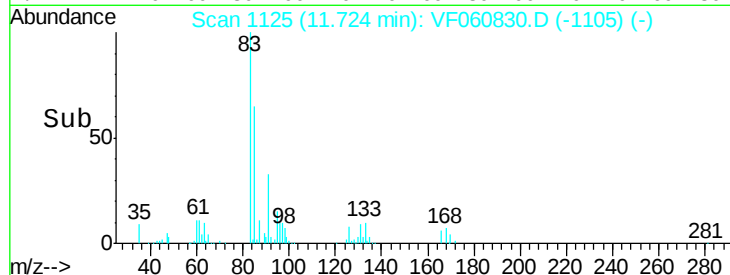
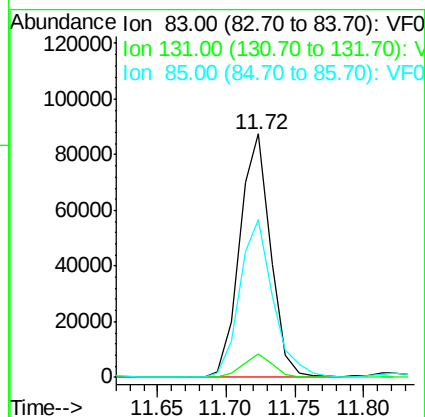
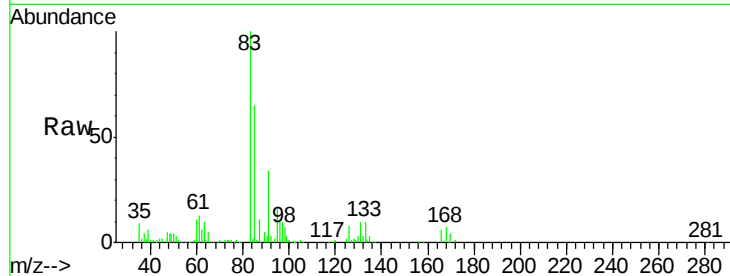
Tgt Ion: 83 Resp: 136609

Ion Ratio Lower Upper

83 100

131 9.6 4.7 14.1

85 65.1 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 64.598 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF060830.D

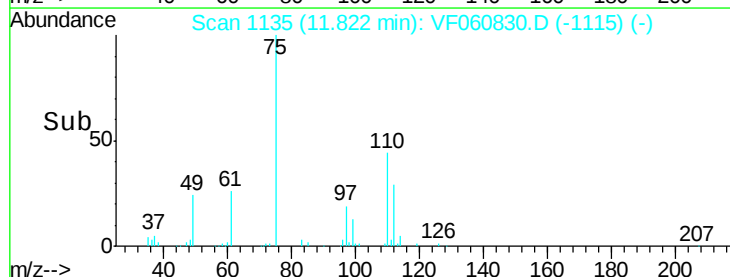
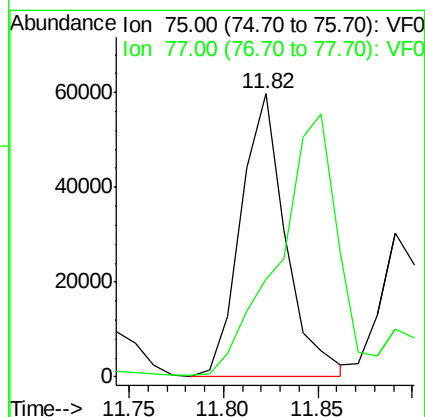
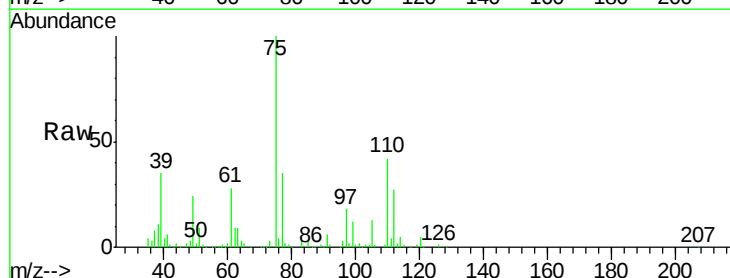
Acq: 26 Nov 2018 18:59

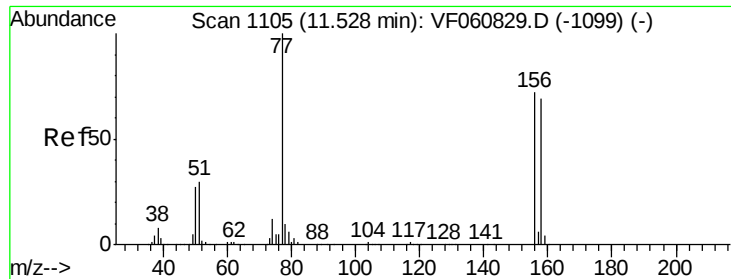
Tgt Ion: 75 Resp: 97650

Ion Ratio Lower Upper

75 100

77 34.6 18.4 55.4





#77

Bromobenzene

Concen: 67.969 ug/l

RT: 11.53 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

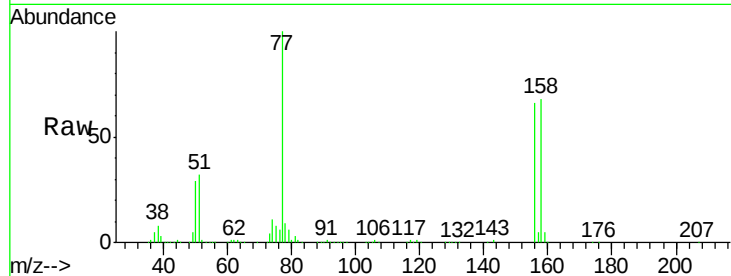
Tgt Ion:156 Resp: 175854

Ion Ratio Lower Upper

156 100

77 152.5 69.7 209.0

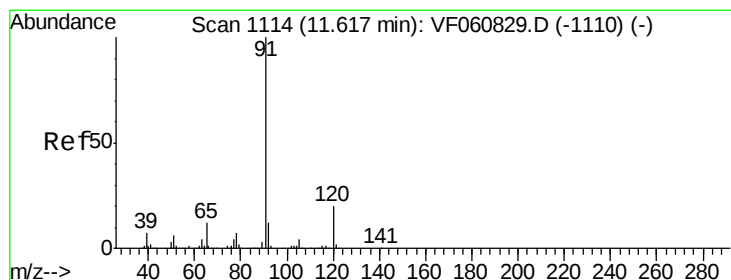
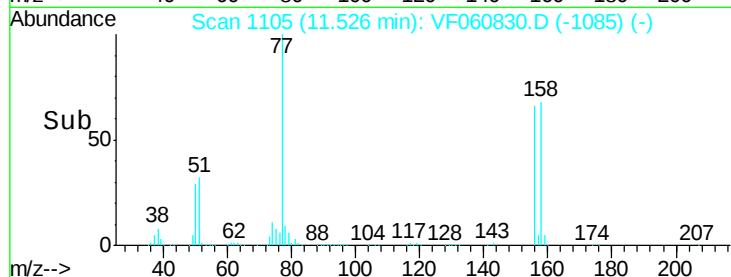
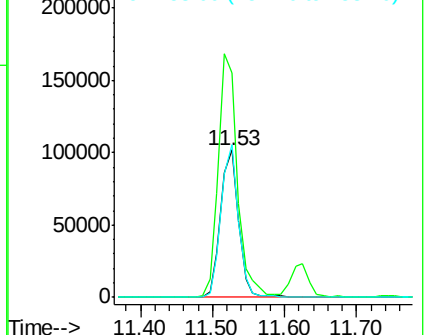
158 103.3 47.8 143.4



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: 64.081 ug/l

RT: 11.62 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VF060830.D

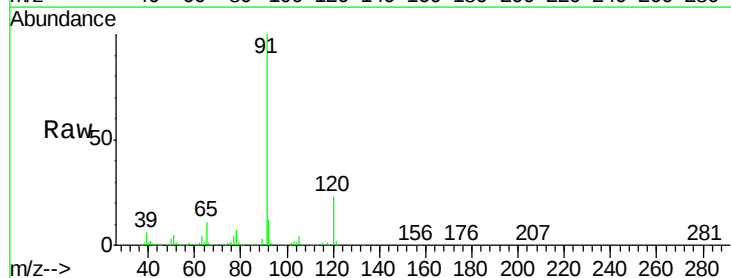
Acq: 26 Nov 2018 18:59

Tgt Ion: 91 Resp: 924379

Ion Ratio Lower Upper

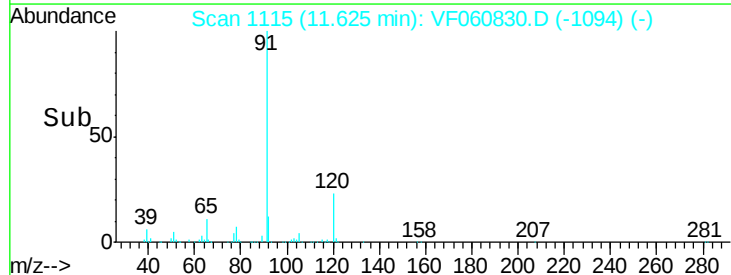
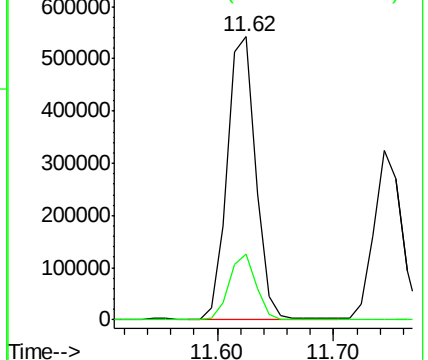
91 100

120 23.1 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: 63.431 ug/l

RT: 11.74 min Scan# 1127

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

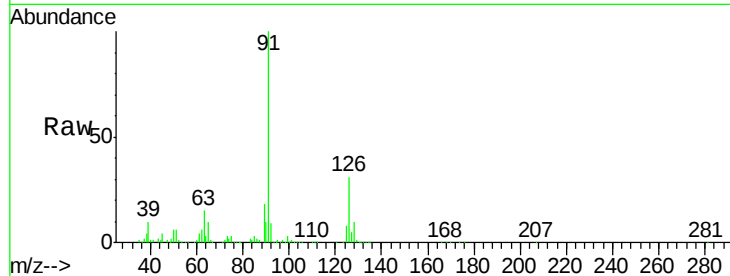
VSTDIC075

Tgt Ion: 91 Resp: 525874

Ion Ratio Lower Upper

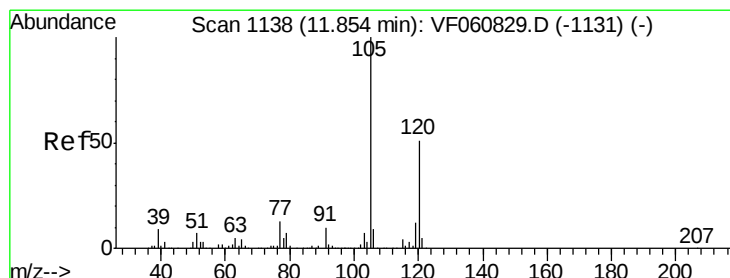
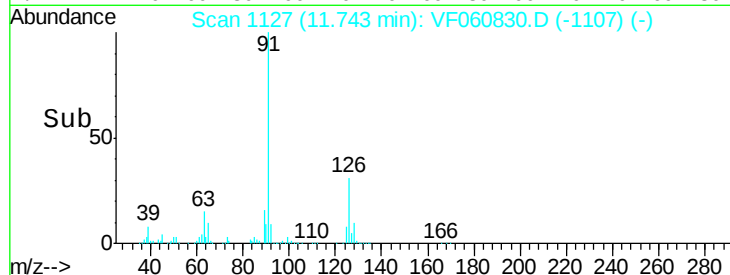
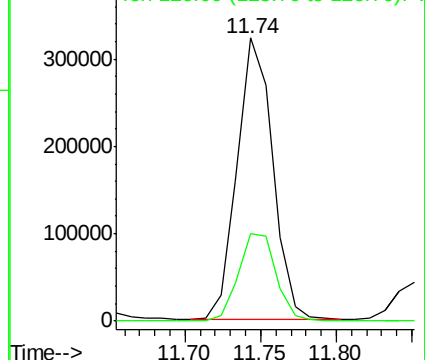
91 100

126 31.1 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 65.687 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VF060830.D

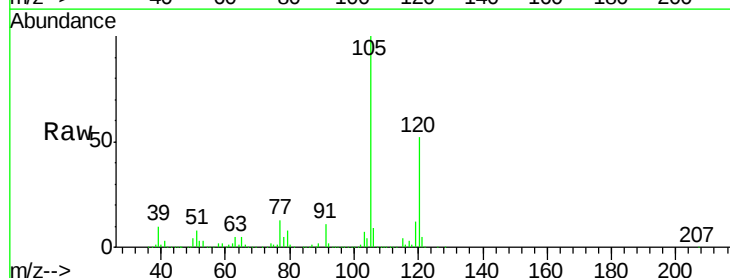
Acq: 26 Nov 2018 18:59

Tgt Ion: 105 Resp: 639525

Ion Ratio Lower Upper

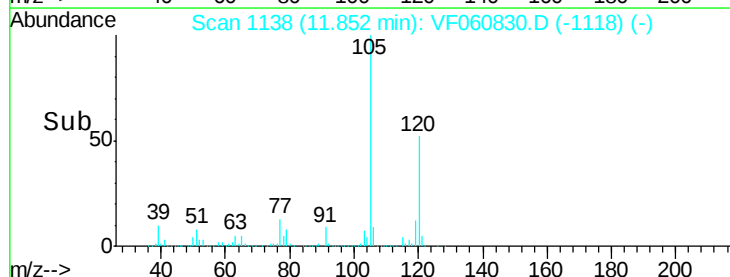
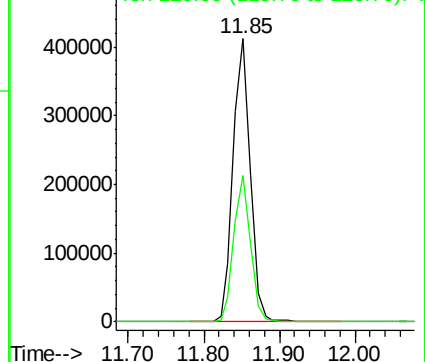
105 100

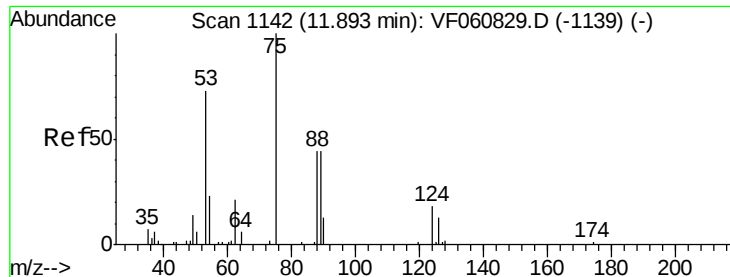
120 51.9 25.8 77.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 91.147 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

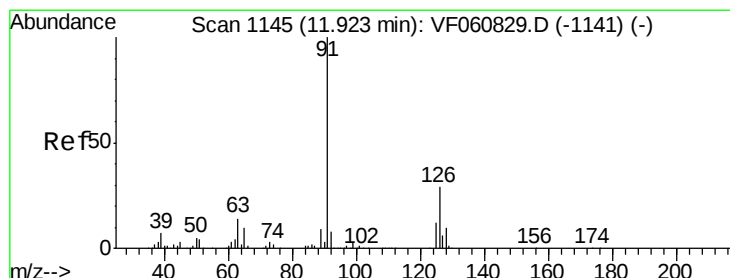
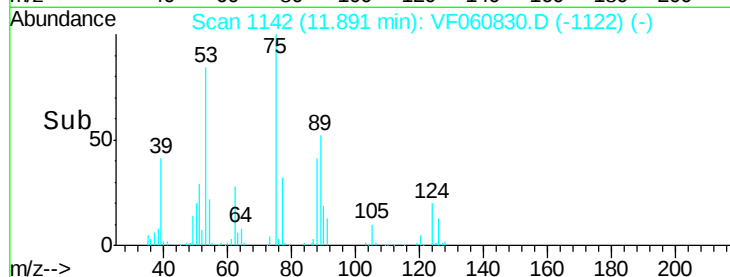
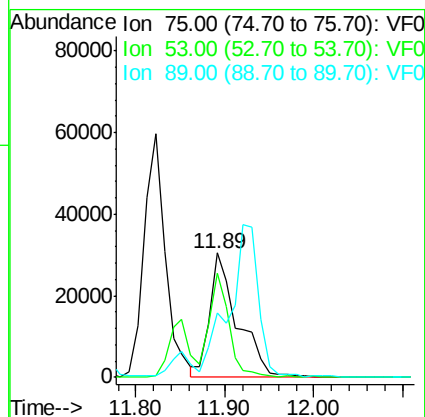
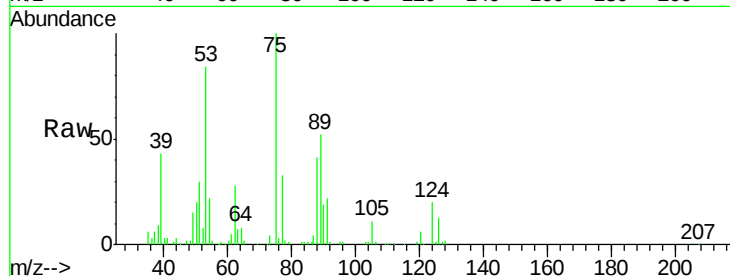
Tgt Ion: 75 Resp: 66811

Ion Ratio Lower Upper

75 100

53 83.8 65.9 98.9

89 52.4 38.8 58.2



#82

4-Chlorotoluene

Concen: 65.973 ug/l

RT: 11.92 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VF060830.D

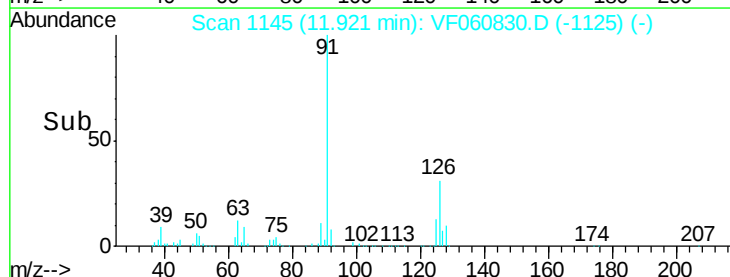
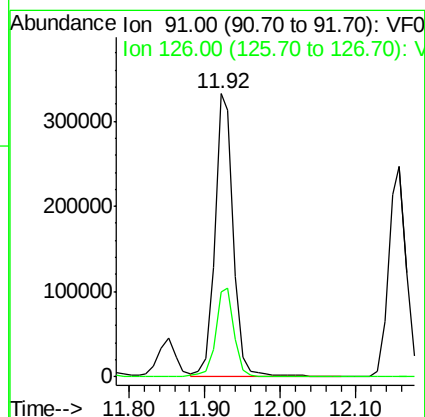
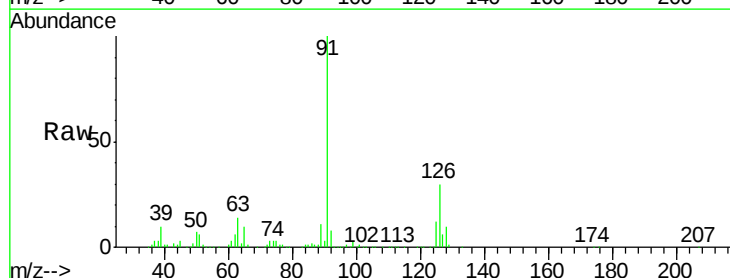
Acq: 26 Nov 2018 18:59

Tgt Ion: 91 Resp: 562007

Ion Ratio Lower Upper

91 100

126 30.1 14.8 44.4

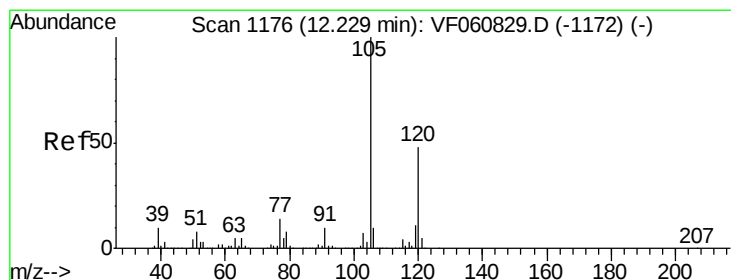
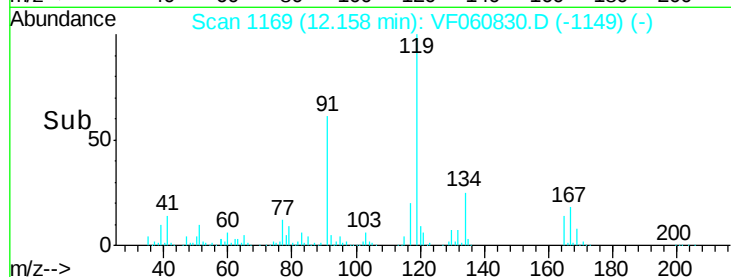
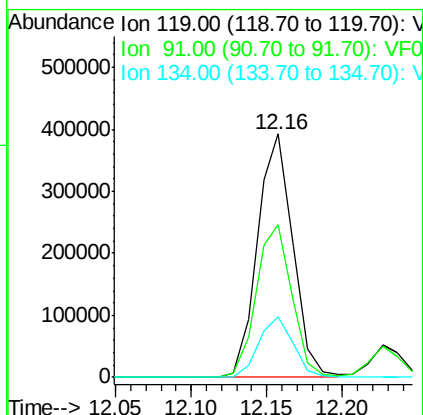
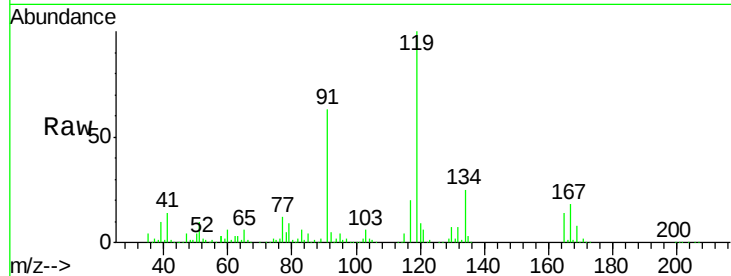




#83
 tert-Butylbenzene
 Concen: 62.835 ug/l
 RT: 12.16 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: VF060830.D
 Acq: 26 Nov 2018 18:59

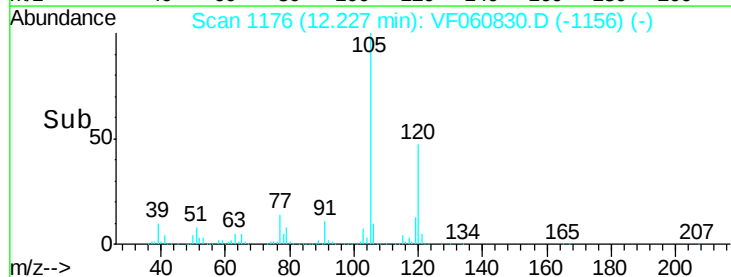
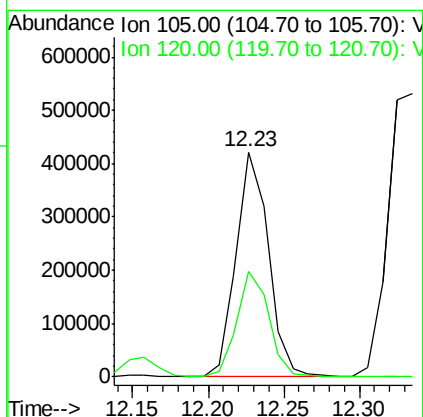
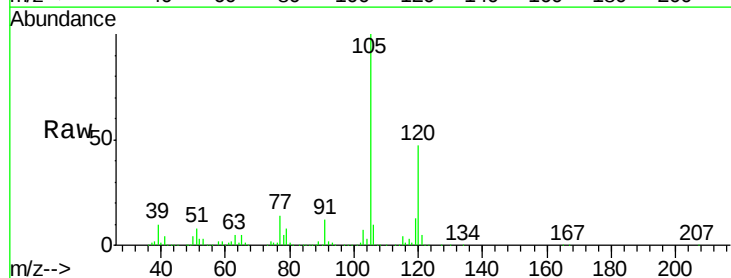
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

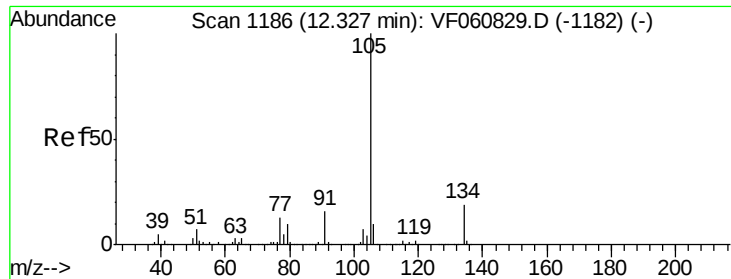
Tgt Ion:119 Resp: 639897
 Ion Ratio Lower Upper
 119 100
 91 62.9 30.1 90.3
 134 24.9 12.6 37.8



#84
 1,2,4-Trimethylbenzene
 Concen: 62.147 ug/l
 RT: 12.23 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VF060830.D
 Acq: 26 Nov 2018 18:59

Tgt Ion:105 Resp: 626967
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.8 71.5

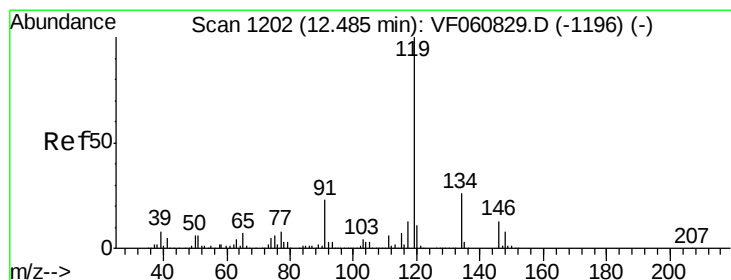
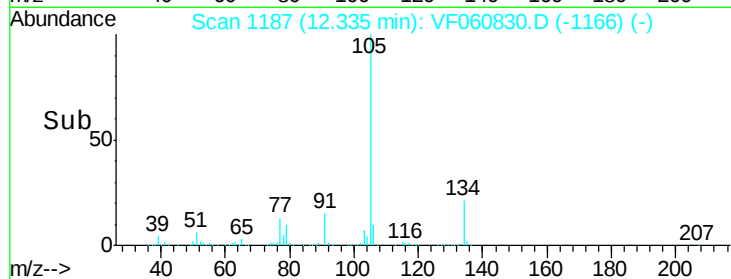
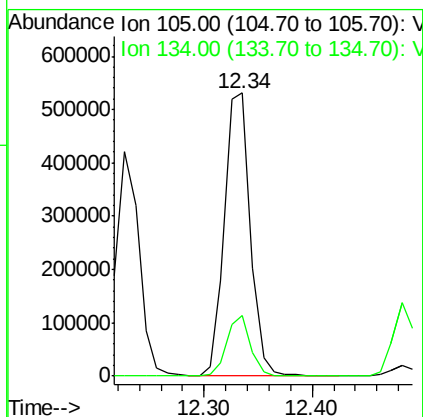
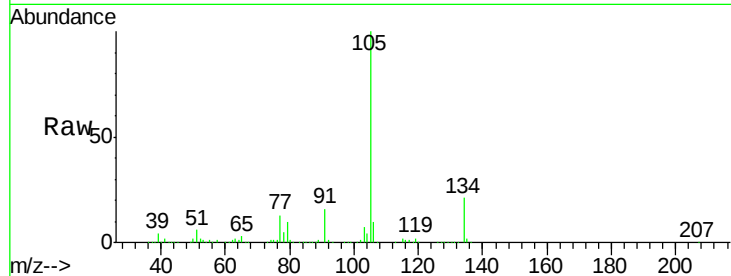




#85
 sec-Butylbenzene
 Concen: 63.677 ug/l
 RT: 12.34 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: VF060830.D
 Acq: 26 Nov 2018 18:59

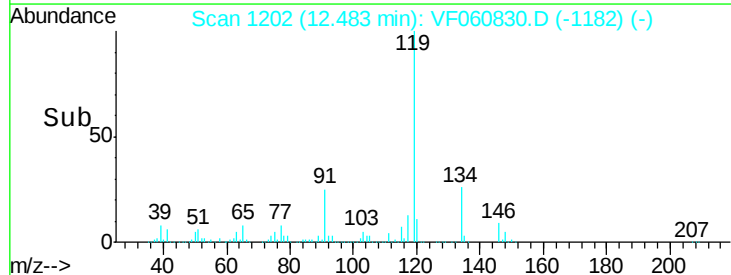
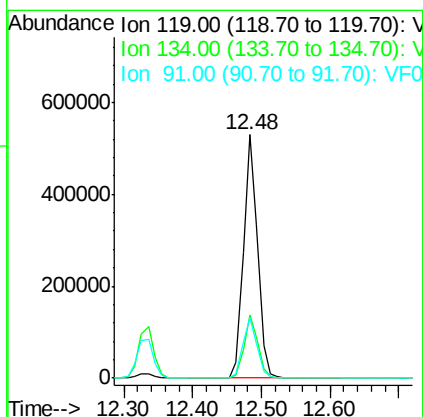
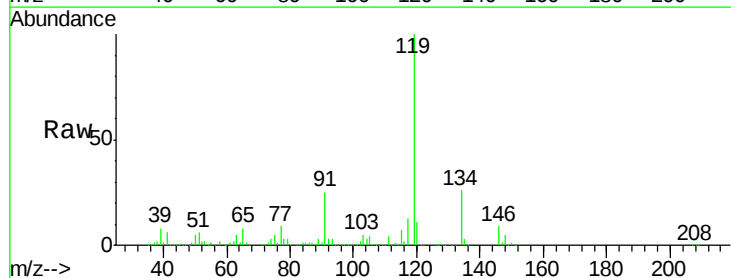
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

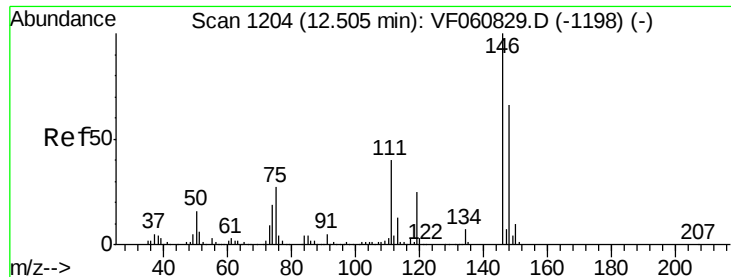
Tgt Ion:105 Resp: 886908
 Ion Ratio Lower Upper
 105 100
 134 21.2 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 64.695 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF060830.D
 Acq: 26 Nov 2018 18:59

Tgt Ion:119 Resp: 748030
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.9 38.6
 91 25.0 11.8 35.3

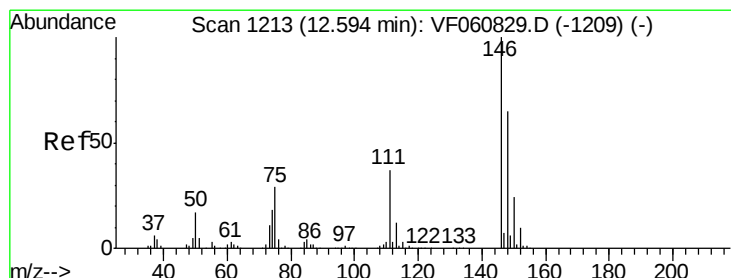
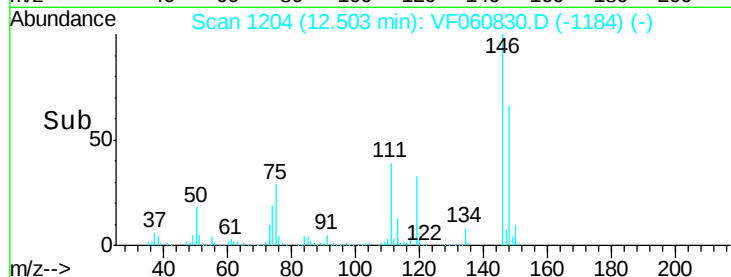
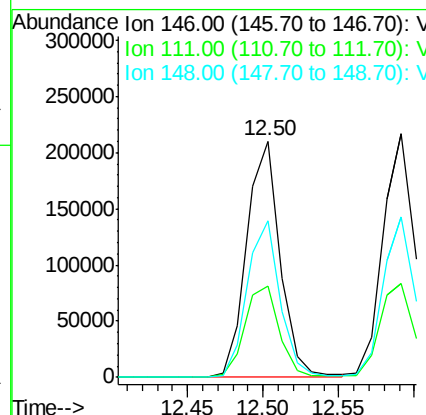
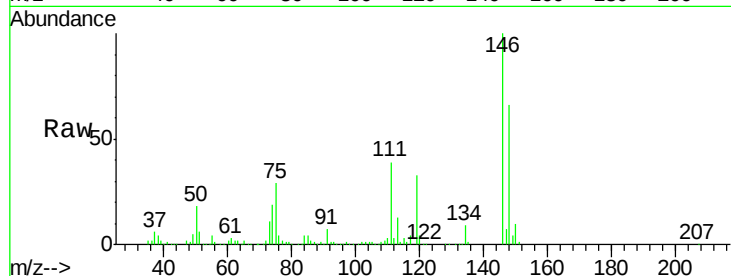




#87
 1,3-Dichlorobenzene
 Concen: 63.873 ug/l
 RT: 12.50 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: VF060830.D
 Acq: 26 Nov 2018 18:59

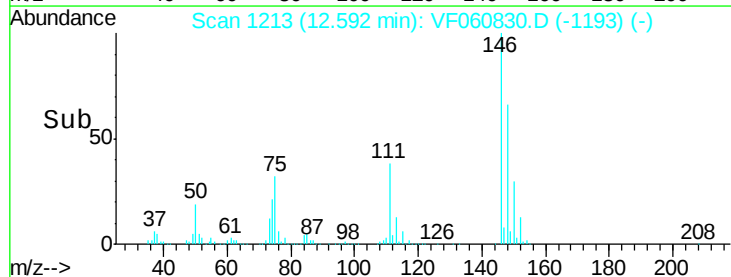
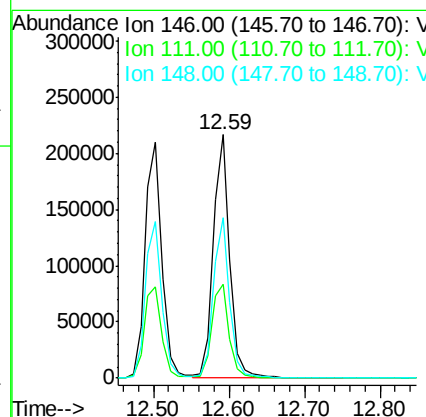
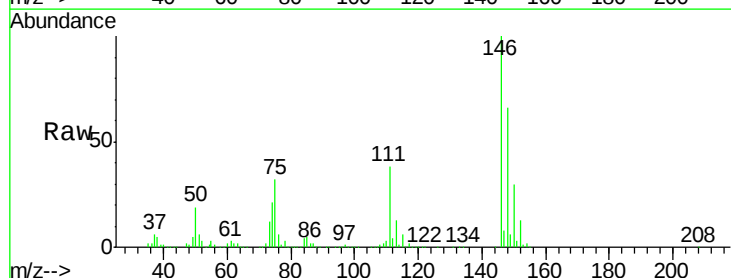
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

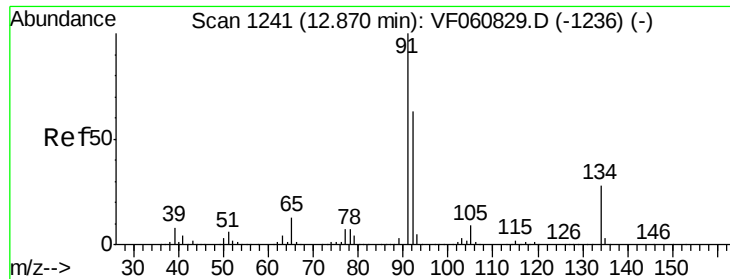
Tgt Ion:146 Resp: 324270
 Ion Ratio Lower Upper
 146 100
 111 38.8 20.0 59.9
 148 66.2 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 68.086 ug/l
 RT: 12.59 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VF060830.D
 Acq: 26 Nov 2018 18:59

Tgt Ion:146 Resp: 331155
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.9 56.7
 148 66.0 32.3 96.9

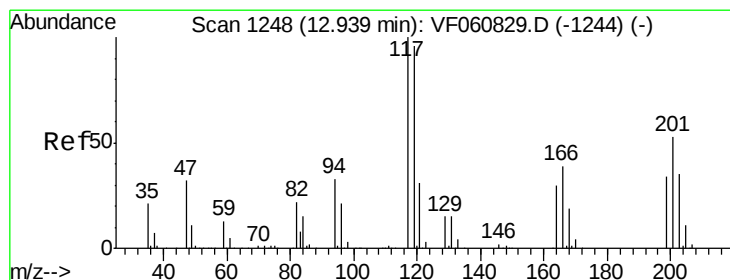
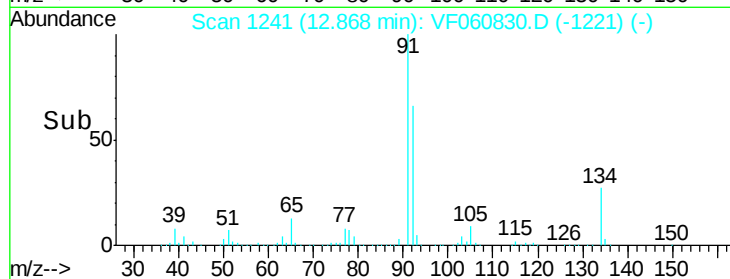
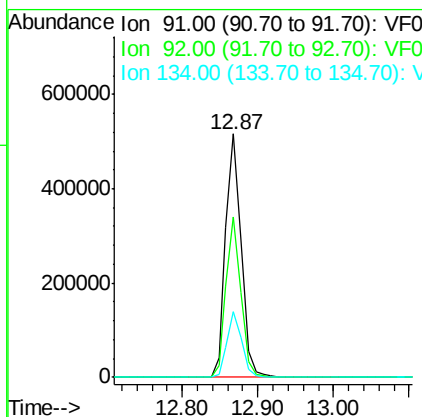
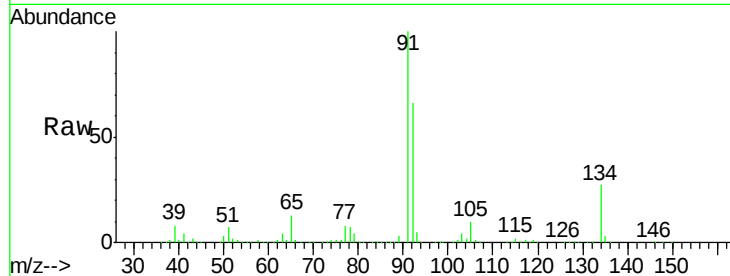




#89
n-Butylbenzene
Concen: 61.697 ug/l
RT: 12.87 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

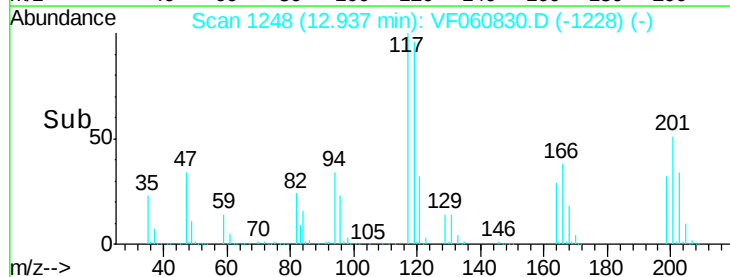
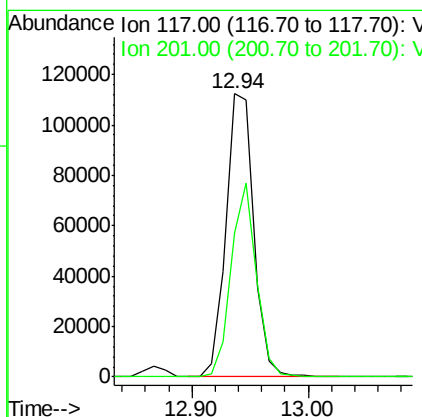
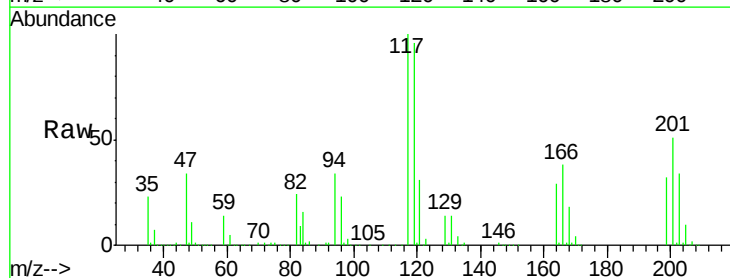
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

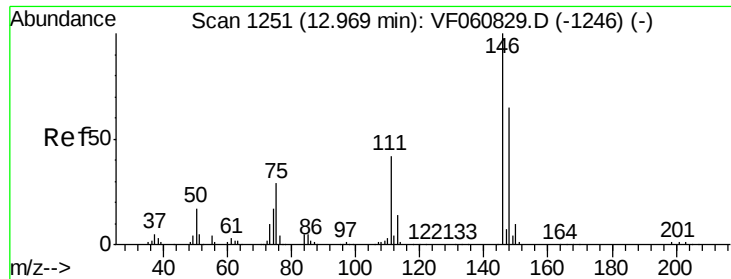
Tgt Ion: 91 Resp: 739423
Ion Ratio Lower Upper
91 100
92 65.8 31.6 94.7
134 27.0 13.8 41.4



#90
Hexachloroethane
Concen: 65.689 ug/l
RT: 12.94 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion: 117 Resp: 186072
Ion Ratio Lower Upper
117 100
201 50.7 26.7 80.1





#91

1,2-Dichlorobenzene

Concen: 65.136 ug/l

RT: 12.97 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

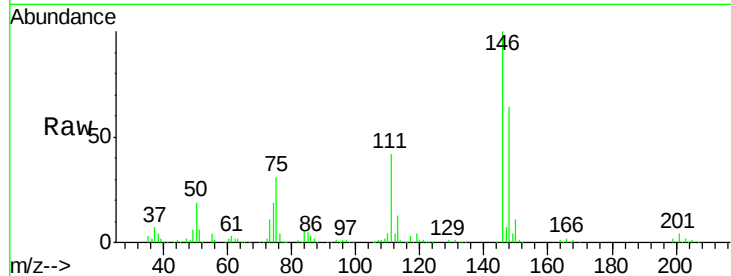
Tgt Ion: 146 Resp: 313498

Ion Ratio Lower Upper

146 100

111 41.7 21.2 63.6

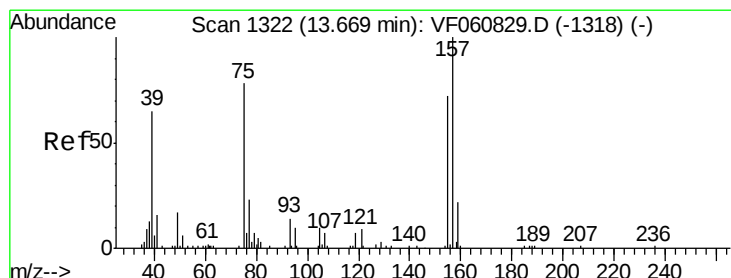
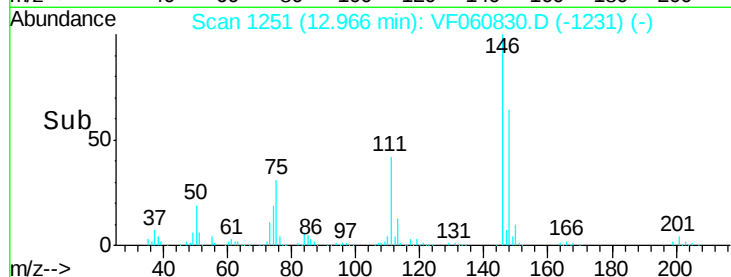
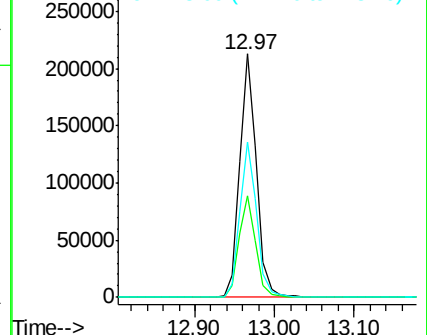
148 64.0 32.5 97.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 74.581 ug/l

RT: 13.67 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

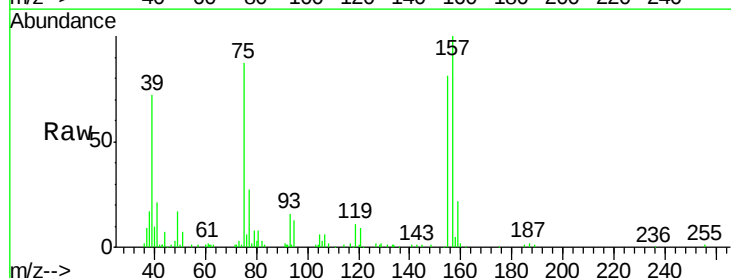
Tgt Ion: 75 Resp: 28179

Ion Ratio Lower Upper

75 100

155 93.2 45.6 136.9

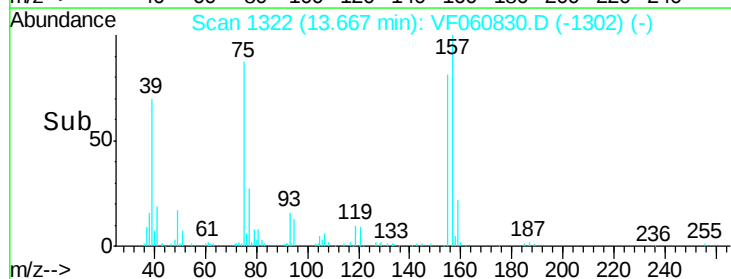
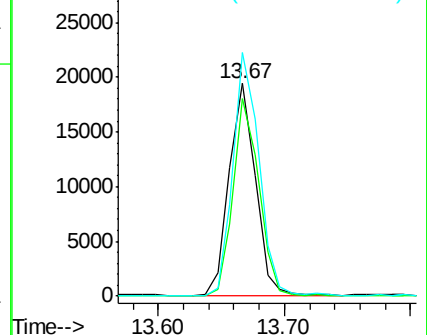
157 114.7 63.8 191.5

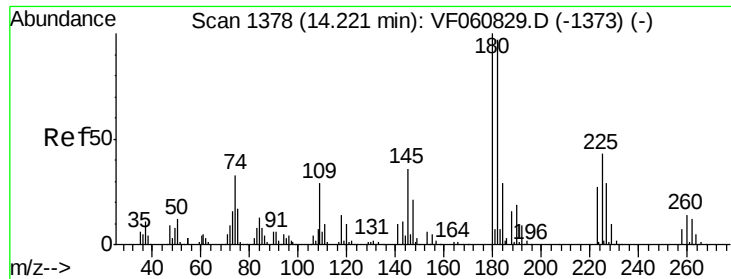


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 65.004 ug/l

RT: 14.22 min Scan# 1378

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

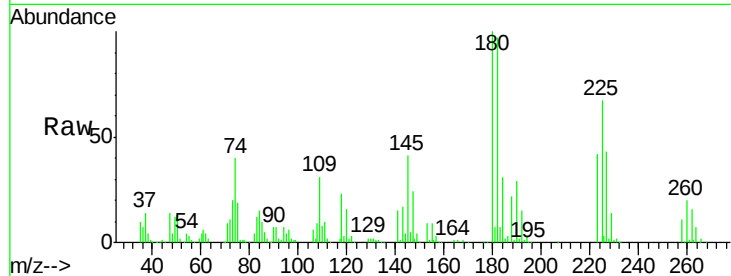
Tgt Ion:180 Resp: 221455

Ion Ratio Lower Upper

180 100

182 96.8 48.5 145.5

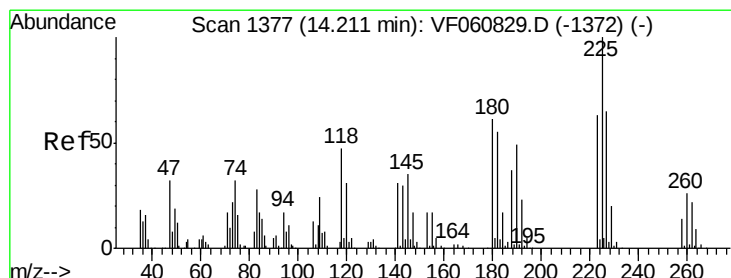
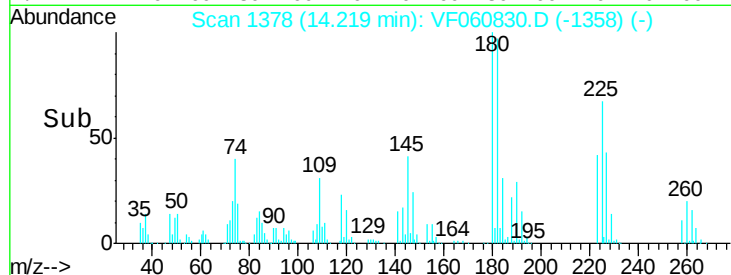
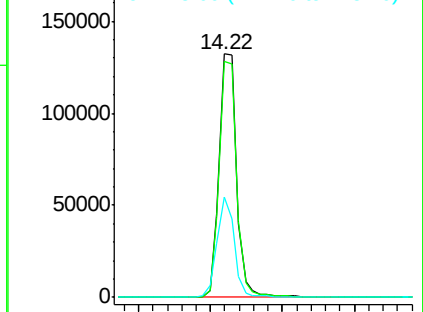
145 41.0 18.1 54.3



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: 67.714 ug/l

RT: 14.21 min Scan# 1377

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

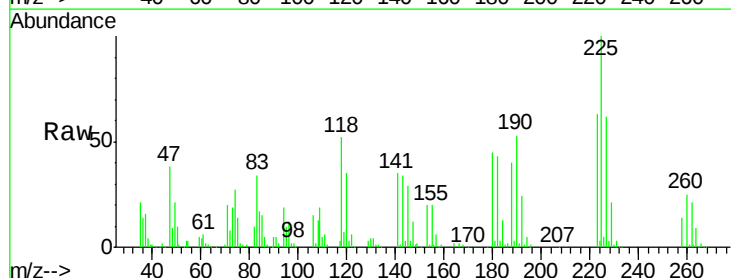
Tgt Ion:225 Resp: 149663

Ion Ratio Lower Upper

225 100

223 62.9 31.4 94.3

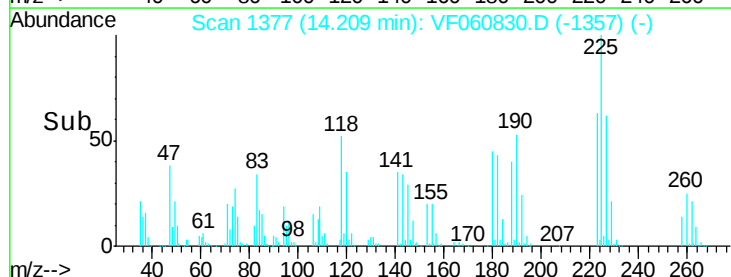
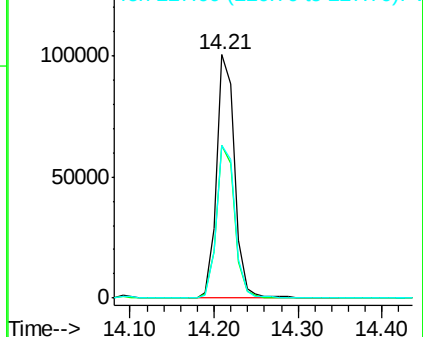
227 62.5 32.5 97.5

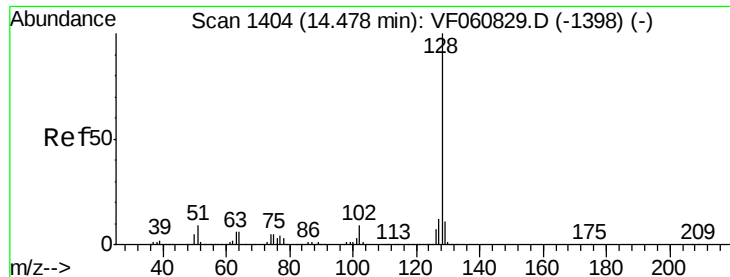


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 74.248 ug/l

RT: 14.48 min Scan# 1404

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

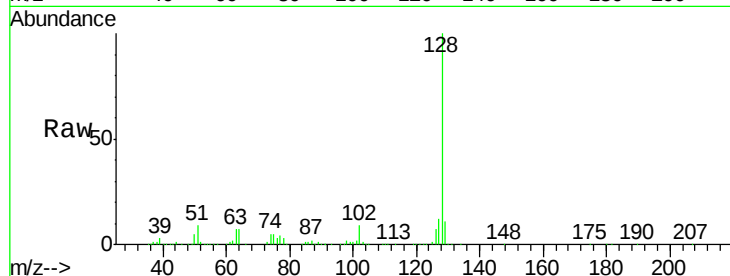
Tgt Ion:128 Resp: 462676

Ion Ratio Lower Upper

128 100

127 12.1 9.9 14.9

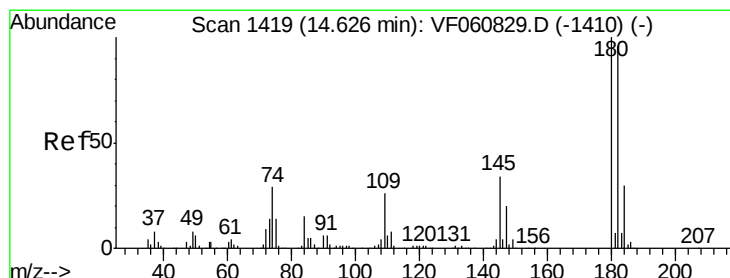
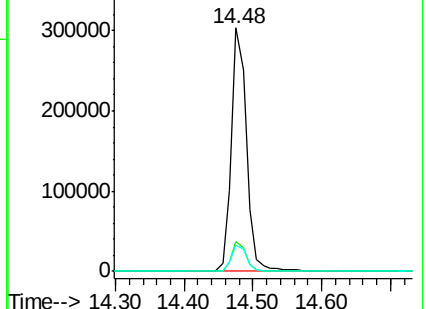
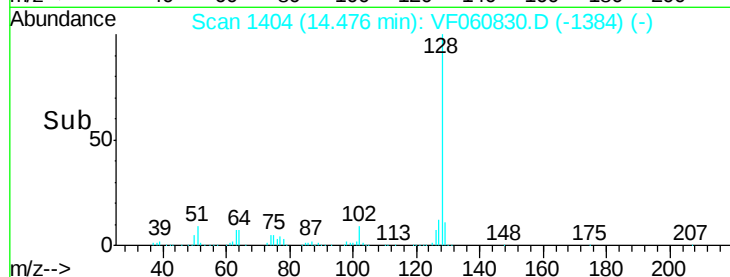
129 10.8 9.1 13.7



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: 68.868 ug/l

RT: 14.62 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

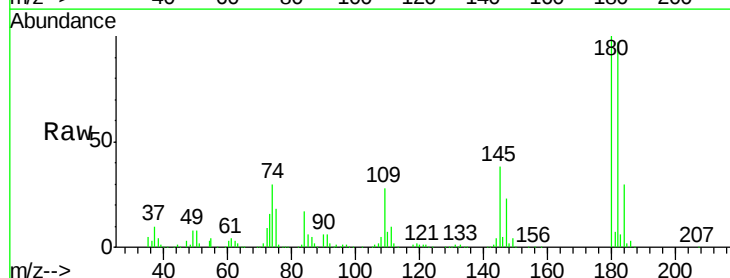
Tgt Ion:180 Resp: 214946

Ion Ratio Lower Upper

180 100

182 97.0 47.9 143.8

145 38.4 17.2 51.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

