

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF061818\
 Data File : VF059170.D
 Acq On : 18 Jun 2018 12:42
 Operator : VA/AP
 Sample : VF0618SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0618SBS01

Quant Time: Jun 19 02:53:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	285936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	449068	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	438149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	266003	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	190632	54.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.94%	
35) Dibromofluoromethane	4.29	113	172157	54.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.28%	
50) Toluene-d8	7.70	98	456699	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
62) 4-Bromofluorobenzene	11.50	95	230182	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	61512	19.007	ug/l	93
3) Chloromethane	1.09	50	43640	17.408	ug/l	92
4) Vinyl Chloride	1.14	62	36451	16.117	ug/l	97
5) Bromomethane	1.34	94	23458	17.801	ug/l	96
6) Chloroethane	1.43	64	17442	18.587	ug/l	99
7) Trichlorofluoromethane	1.49	101	23981	6.821	ug/l	97
8) Diethyl Ether	1.71	74	18646	21.081	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.89	101	35978	16.058	ug/l	95
10) Methyl Iodide	1.96	142	49186	12.546	ug/l	95
11) Tert butyl alcohol	2.68	59	23218	104.494	ug/l #	92
12) 1,1-Dichloroethene	1.85	96	34286	18.198	ug/l	97
13) Acrolein	2.09	56	16593	86.279	ug/l	93
14) Allyl chloride	2.19	41	72694	19.658	ug/l	100
15) Acrylonitrile	3.07	53	47241	107.051	ug/l	96
16) Acetone	2.34	43	104861	126.648	ug/l #	89
17) Carbon Disulfide	1.87	76	86373	16.328	ug/l #	94
18) Methyl Acetate	2.53	43	45460	31.939	ug/l	100
19) Methyl tert-butyl Ether	2.53	73	142655	24.390	ug/l	96
20) Methylene Chloride	2.28	84	31222	15.749	ug/l	94
21) trans-1,2-Dichloroethene	2.41	96	41076	19.879	ug/l	86
22) Diisopropyl ether	2.92	45	155842	21.439	ug/l	95
23) Vinyl Acetate	3.32	43	539353	112.532	ug/l	97
24) 1,1-Dichloroethane	3.00	63	94536	21.451	ug/l	99
25) 2-Butanone	4.51	43	137536	107.145	ug/l	95
26) 2,2-Dichloropropane	3.75	77	70172	21.948	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	62094	19.526	ug/l	86
28) Bromochloromethane	3.88	49	46662	23.524	ug/l #	90
29) Tetrahydrofuran	4.24	42	64068	113.273	ug/l	96
30) Chloroform	4.03	83	139520	22.131	ug/l	95
31) Cyclohexane	3.85	56	69011	17.926	ug/l	99
32) 1,1,1-Trichloroethane	4.27	97	103315	21.951	ug/l	99
36) 1,1-Dichloropropene	4.46	75	89880	20.649	ug/l	95
37) Ethyl Acetate	4.28	43	61772	22.968	ug/l	97
38) Carbon Tetrachloride	4.15	117	115671	24.520	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	86117	19.409	ug/l	96
40) Benzene	4.80	78	200685	19.863	ug/l	97
41) Methacrylonitrile	4.92	41	30440	23.037	ug/l #	91
42) 1,2-Dichloroethane	5.11	62	105379	23.256	ug/l	100
43) Isopropyl Acetate	7.11	43	75781	21.039	ug/l #	97
44) Trichloroethene	5.67	130	68539	21.711	ug/l	96
45) 1,2-Dichloropropane	6.40	63	58264	20.001	ug/l	96
46) Dibromomethane	6.25	93	46421	21.179	ug/l	96
47) Bromodichloromethane	6.54	83	109243	21.909	ug/l	97
48) Methyl methacrylate	6.87	41	50546	22.764	ug/l	96
49) 1,4-Dioxane	6.86	88	4817	284.783	ug/l #	73
51) 4-Methyl-2-Pentanone	8.40	43	284442	115.216	ug/l	98
52) Toluene	7.77	92	140559	19.315	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	110892	22.964	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	118044	21.280	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	56884	21.571	ug/l	97
56) Ethyl methacrylate	8.75	69	68519	20.614	ug/l	86
57) 1,3-Dichloropropane	8.99	76	97928	21.709	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	25251	106.241	ug/l	100
59) 2-Hexanone	9.62	43	216993	111.120	ug/l	92
60) Dibromochloromethane	8.85	129	87259	23.027	ug/l	98
61) 1,2-Dibromoethane	9.13	107	64460	21.037	ug/l	94
64) Tetrachloroethene	8.30	164	68586	21.342	ug/l	97
65) Chlorobenzene	9.94	112	183613	21.163	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	78976	22.883	ug/l	94
67) Ethyl Benzene	10.03	91	317794	21.080	ug/l	98
68) m/p-Xylenes	10.26	106	238169	42.196	ug/l	89
69) o-Xylene	10.82	106	129268	21.191	ug/l	95
70) Styrene	10.89	104	188950	20.472	ug/l	97
71) Bromoform	10.88	173	55084	23.501	ug/l #	94
73) Isopropylbenzene	11.22	105	376035	20.418	ug/l	100
74) N-amyl acetate	11.45	43	137728	20.936	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	85831	19.658	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	65628	20.352	ug/l	99
77) Bromobenzene	11.59	156	95532	20.611	ug/l	79
78) n-propylbenzene	11.68	91	425242	19.508	ug/l	97
79) 2-Chlorotoluene	11.81	91	259989	20.189	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	322186	21.137	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	41208	19.710	ug/l	96
82) 4-Chlorotoluene	11.99	91	280919	20.490	ug/l	99
83) tert-Butylbenzene	12.21	119	319996	21.143	ug/l	94
84) 1,2,4-Trimethylbenzene	12.28	105	329642	20.872	ug/l	92
85) sec-Butylbenzene	12.38	105	417939	20.322	ug/l	100
86) p-Isopropyltoluene	12.53	119	368515	21.817	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	186167	21.755	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	175266	21.254	ug/l	97
89) n-Butylbenzene	12.91	91	352508	18.183	ug/l	94
90) Hexachloroethane	12.99	117	86234	20.731	ug/l	77
91) 1,2-Dichlorobenzene	13.01	146	169549	20.567	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	18073	21.102	ug/l	76

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QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration

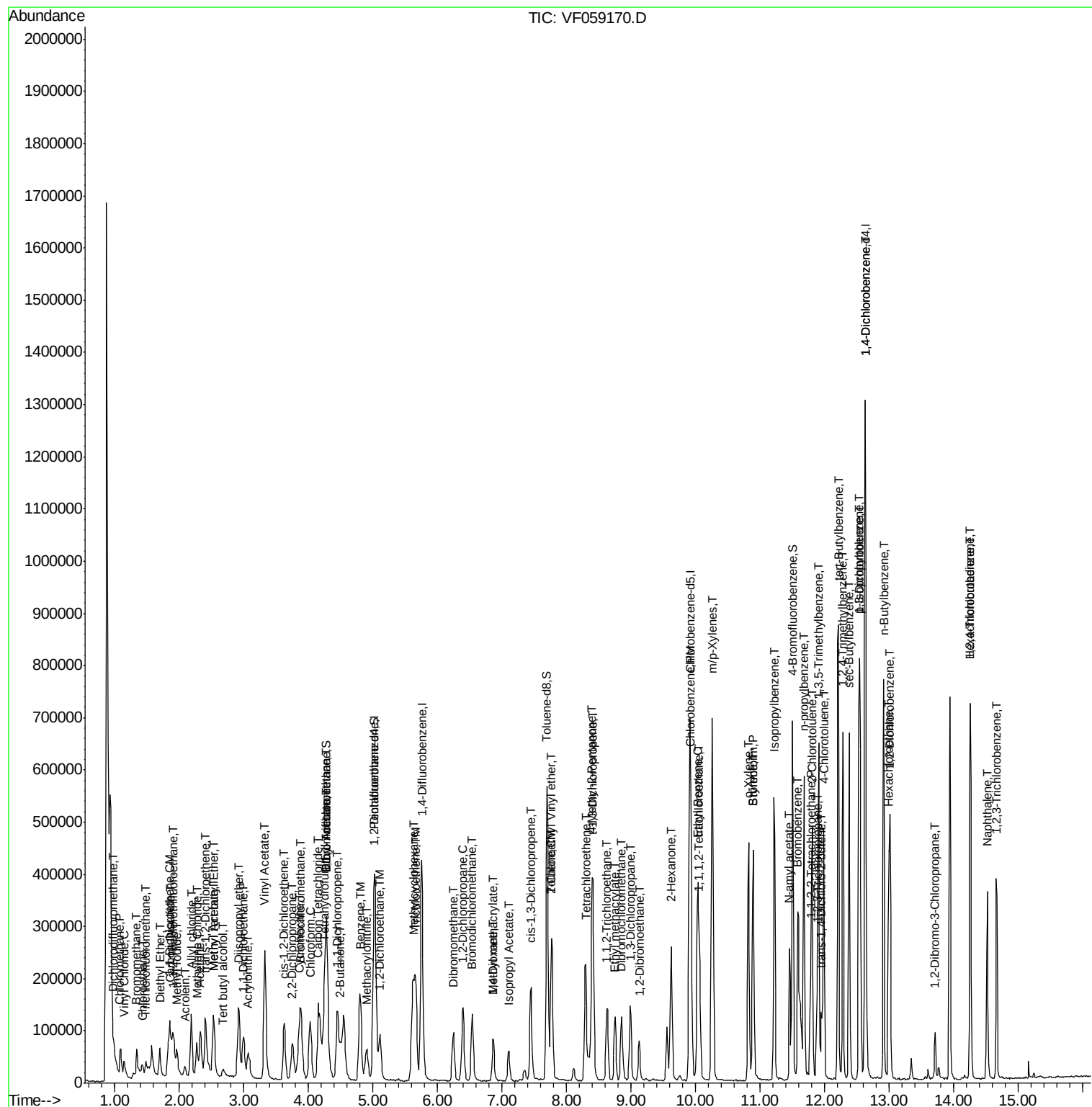
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	127562	22.123	ug/l	93
94) Hexachlorobutadiene	14.25	225	70846	21.233	ug/l	95
95) Naphthalene	14.52	128	247455	20.092	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	114569	21.502	ug/l	98

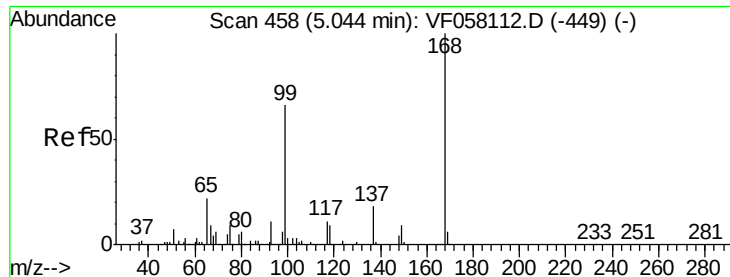
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

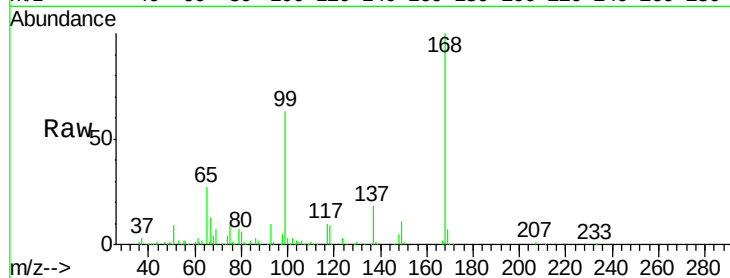
VF0618SBS01

Tgt Ion:168 Resp: 285936

Ion Ratio Lower Upper

168 100

99 62.7 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

5.04

100000

80000

60000

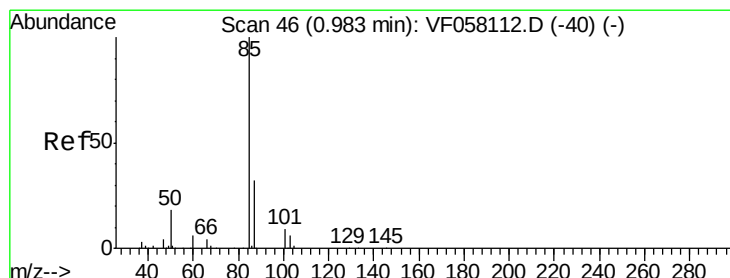
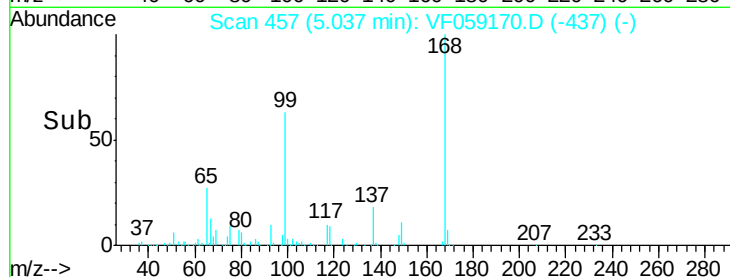
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 19.007 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059170.D

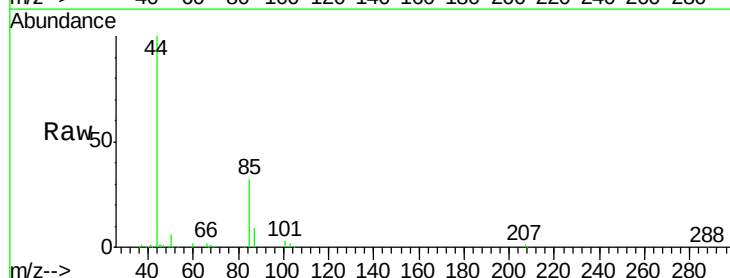
Acq: 18 Jun 2018 12:42

Tgt Ion: 85 Resp: 61512

Ion Ratio Lower Upper

85 100

87 28.6 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

15000

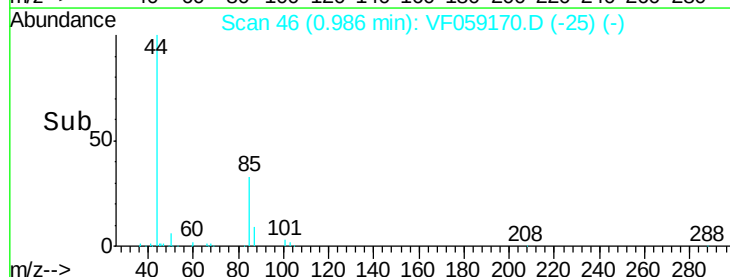
10000

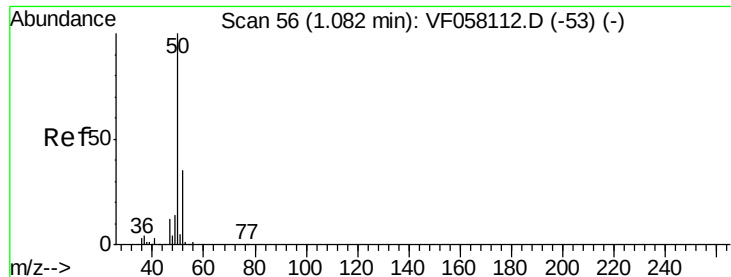
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 17.408 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

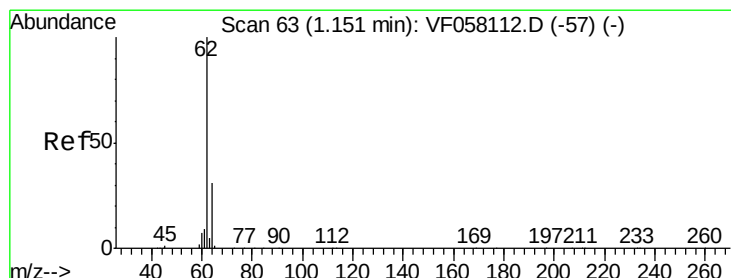
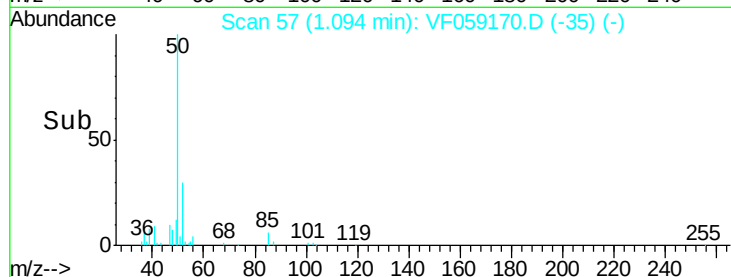
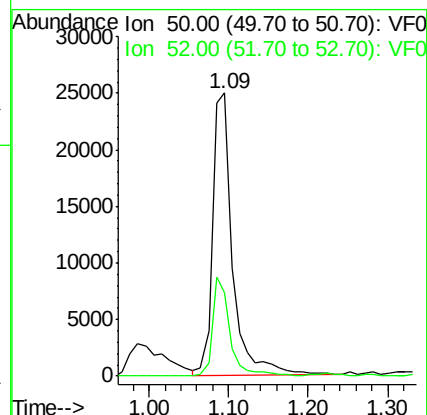
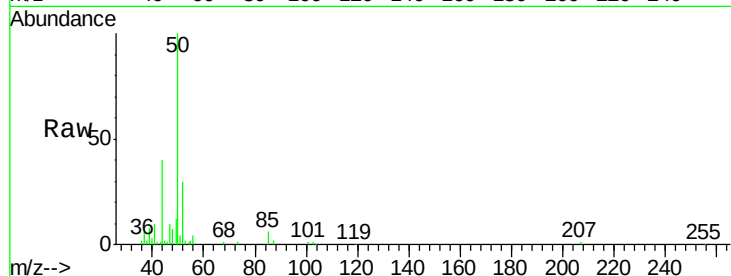
VF0618SBS01

Tgt Ion: 50 Resp: 43640

Ion Ratio Lower Upper

50 100

52 29.7 27.3 40.9



#4

Vinyl Chloride

Concen: 16.117 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059170.D

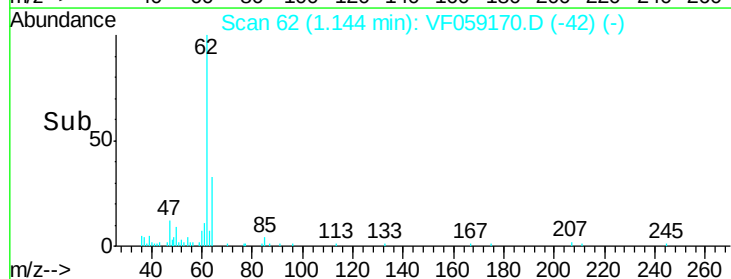
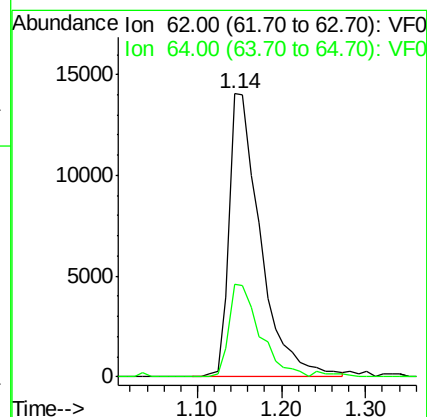
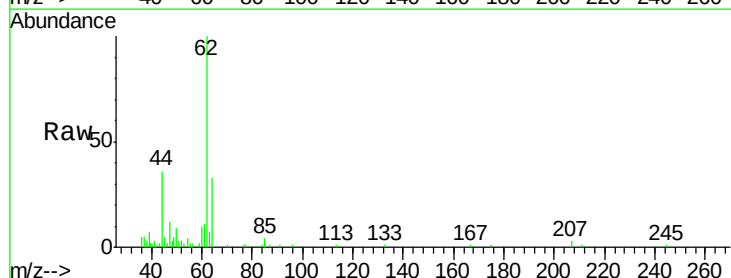
Acq: 18 Jun 2018 12:42

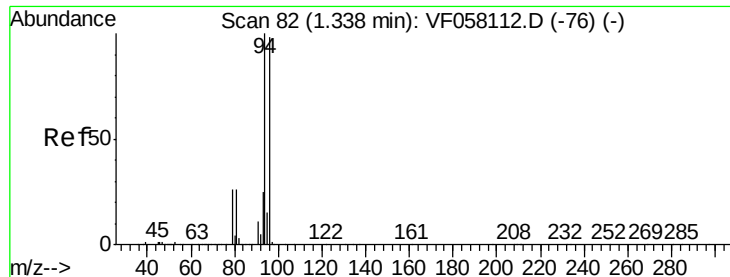
Tgt Ion: 62 Resp: 36451

Ion Ratio Lower Upper

62 100

64 32.7 25.0 37.6





#5

Bromomethane

Concen: 17.801 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

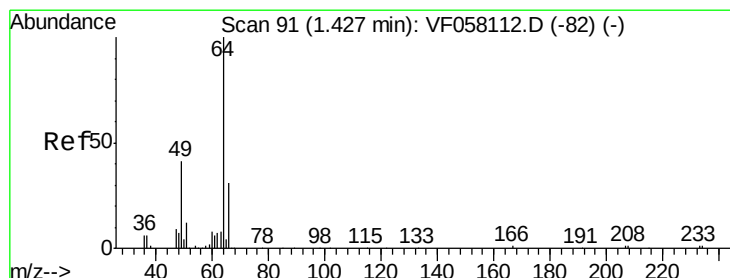
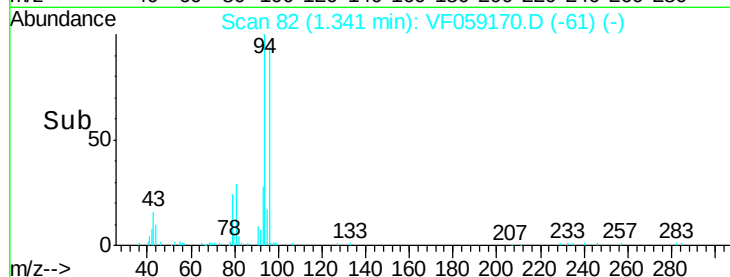
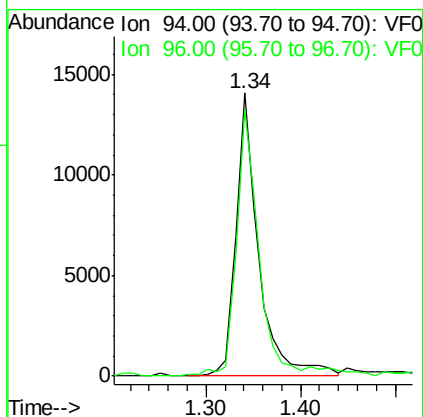
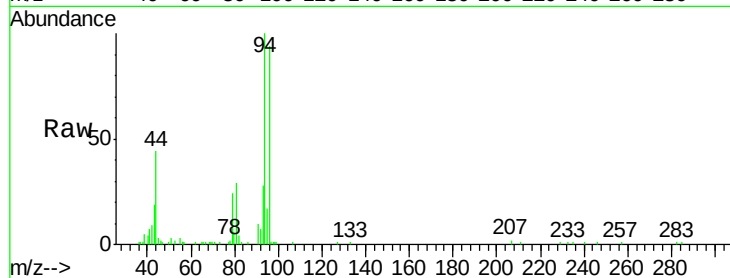
VF0618SBS01

Tgt Ion: 94 Resp: 23458

Ion Ratio Lower Upper

94 100

96 94.1 78.6 117.8



#6

Chloroethane

Concen: 18.587 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059170.D

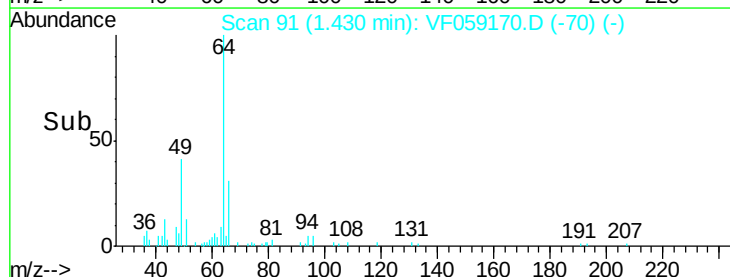
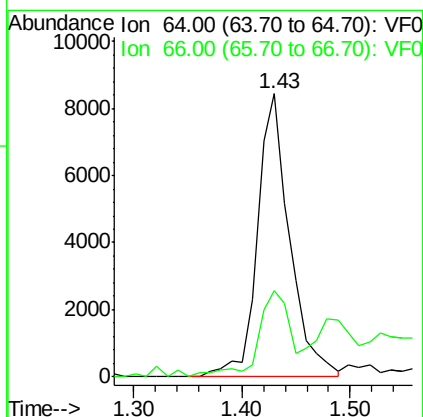
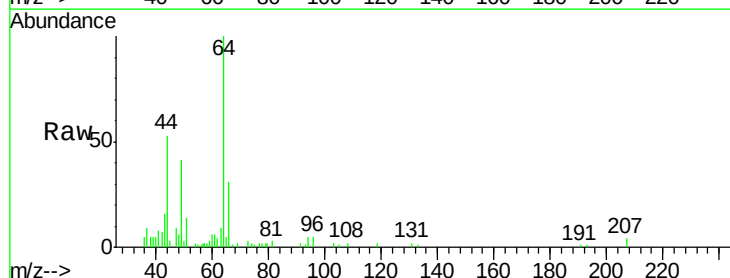
Acq: 18 Jun 2018 12:42

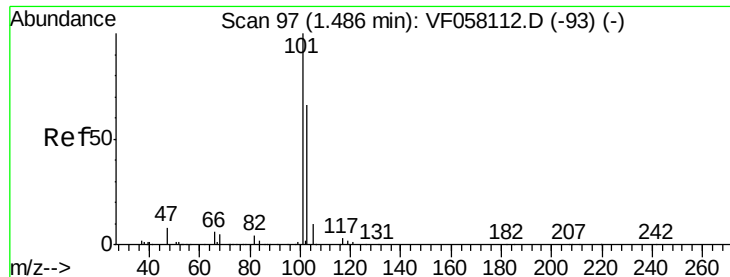
Tgt Ion: 64 Resp: 17442

Ion Ratio Lower Upper

64 100

66 30.6 24.9 37.3





#7

Trichlorofluoromethane

Concen: 6.821 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.00 min

Lab File: VF059170.D

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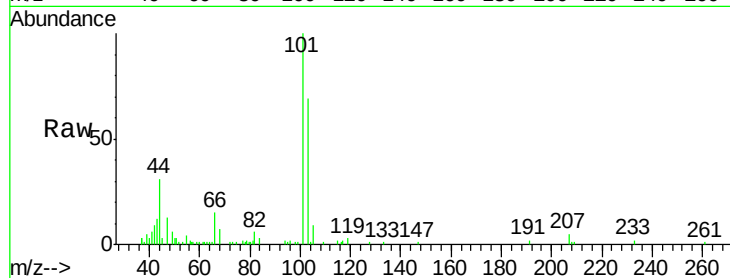
VF0618SBS01

Tgt Ion:101 Resp: 23981

Ion Ratio Lower Upper

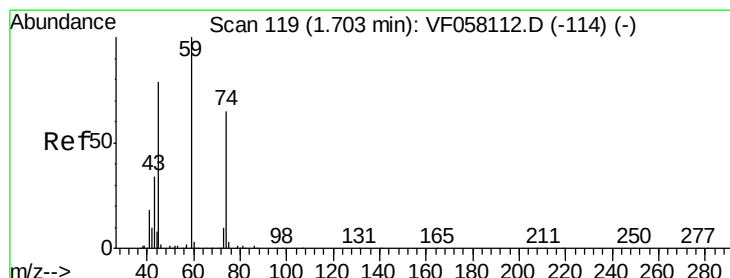
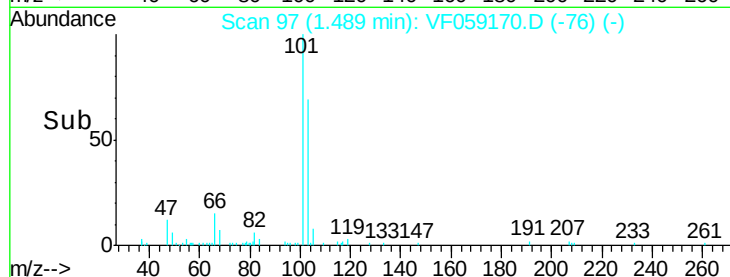
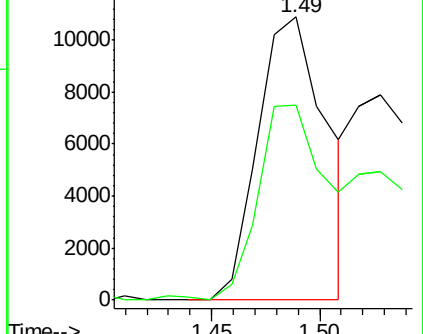
101 100

103 68.9 53.4 80.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 21.081 ug/l

RT: 1.71 min Scan# 119

Delta R.T. 0.00 min

Lab File: VF059170.D

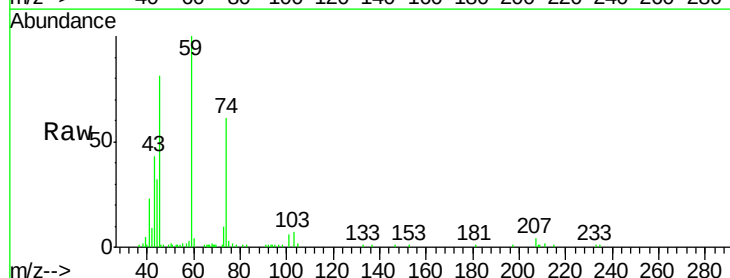
Acq: 18 Jun 2018 12:42

Tgt Ion: 74 Resp: 18646

Ion Ratio Lower Upper

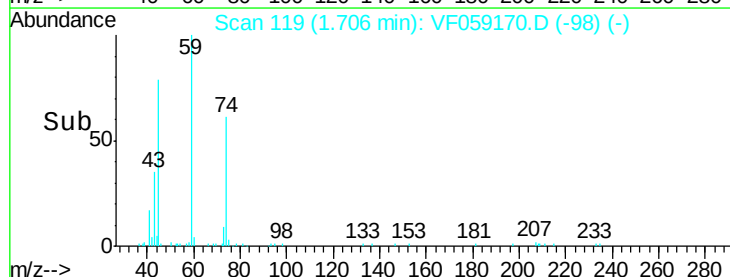
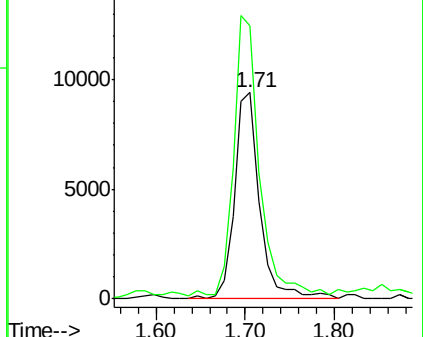
74 100

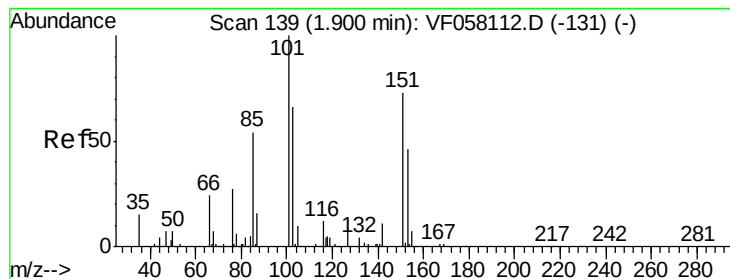
45 132.4 61.5 184.4



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: 16.058 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF059170.D

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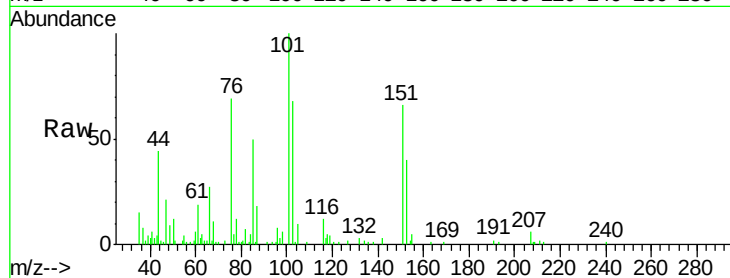
Tgt Ion:101 Resp: 35978

Ion Ratio Lower Upper

101 100

85 50.0 42.2 63.4

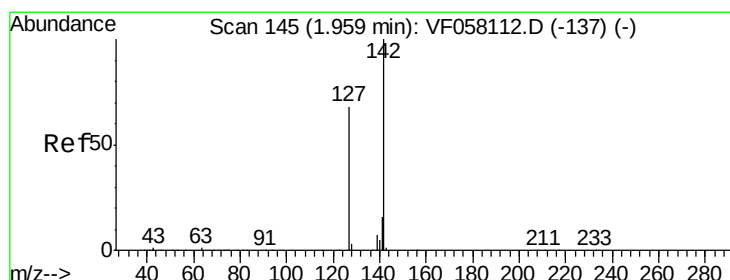
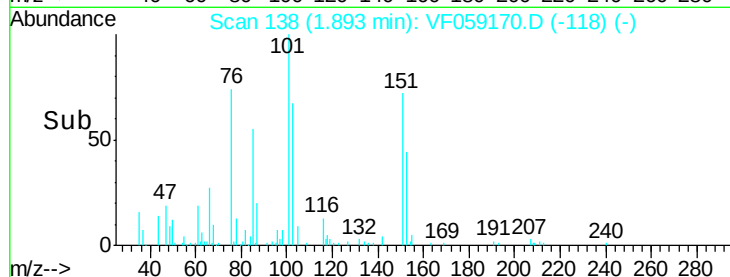
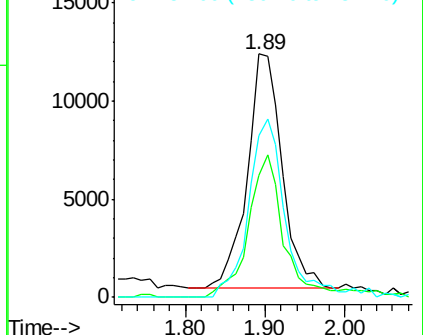
151 66.2 56.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 12.546 ug/l

RT: 1.96 min Scan# 145

Delta R.T. 0.00 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

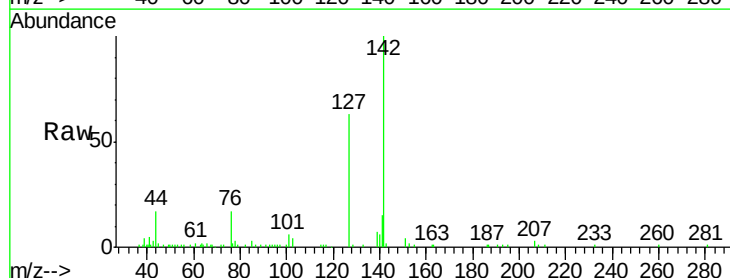
Tgt Ion:142 Resp: 49186

Ion Ratio Lower Upper

142 100

127 63.3 54.1 81.1

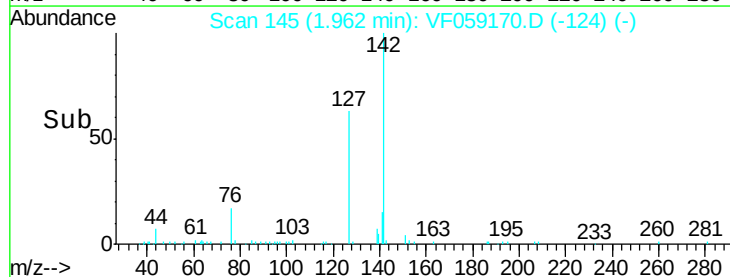
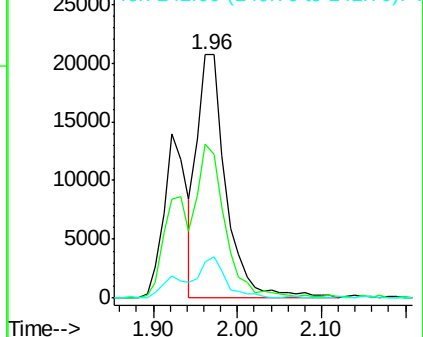
141 14.9 13.0 19.4

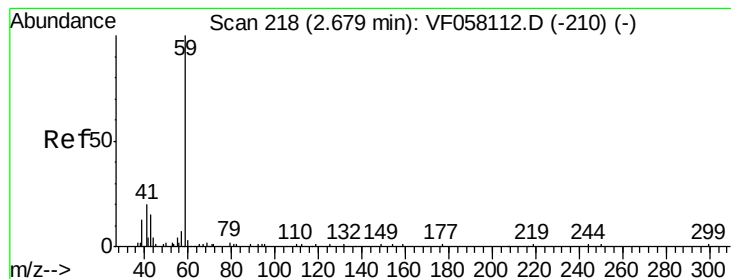


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



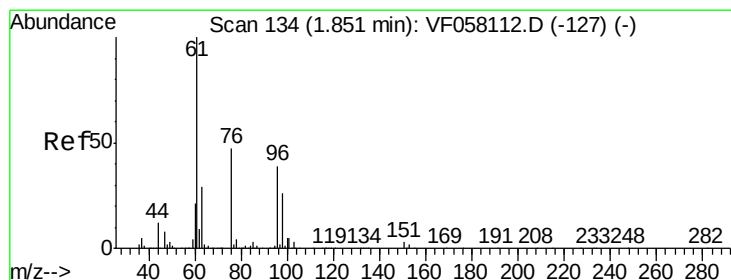
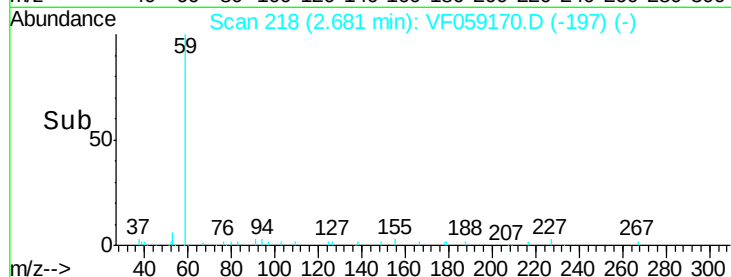
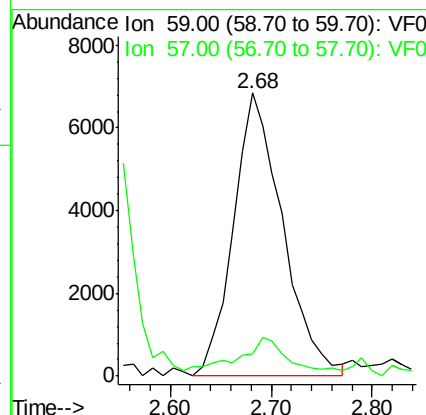
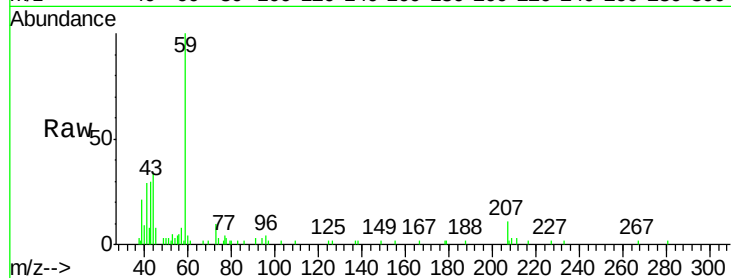


#11

Tert butyl alcohol
 Concen: 104.494 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. 0.00 min
 Lab File: VF059170.D
 Acq: 18 Jun 2018 12:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0618SBS01

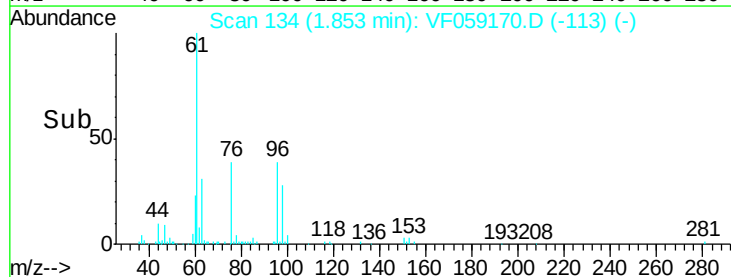
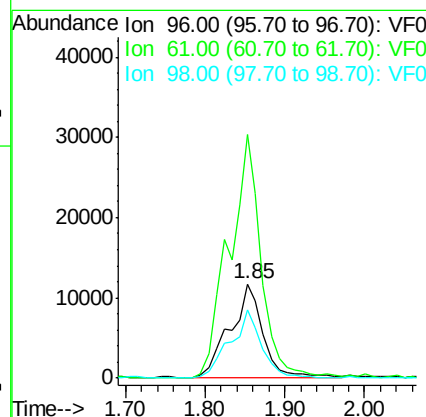
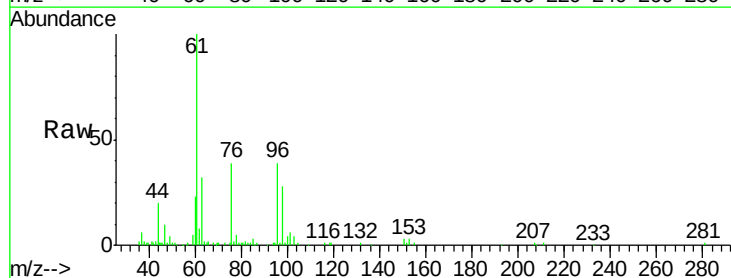
Tgt Ion: 59 Resp: 23218
 Ion Ratio Lower Upper
 59 100
 57 7.8 8.7 13.1#

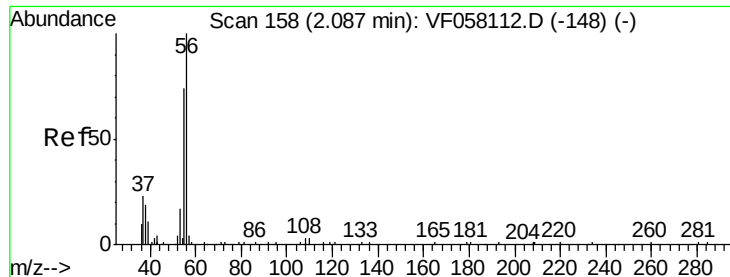


#12

1,1-Dichloroethene
 Concen: 18.198 ug/l
 RT: 1.85 min Scan# 134
 Delta R.T. 0.00 min
 Lab File: VF059170.D
 Acq: 18 Jun 2018 12:42

Tgt Ion: 96 Resp: 34286
 Ion Ratio Lower Upper
 96 100
 61 248.8 203.0 304.4
 98 69.7 52.7 79.1





#13

Acrolein

Concen: 86.279 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

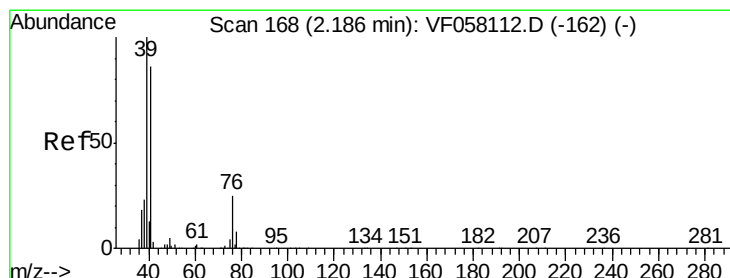
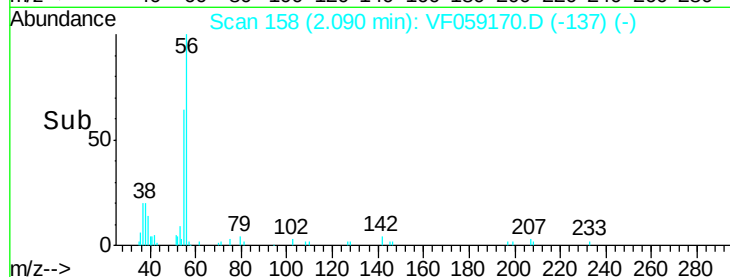
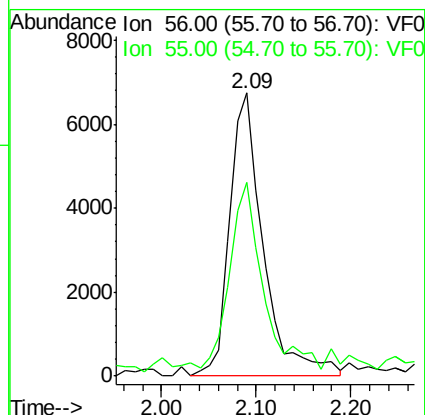
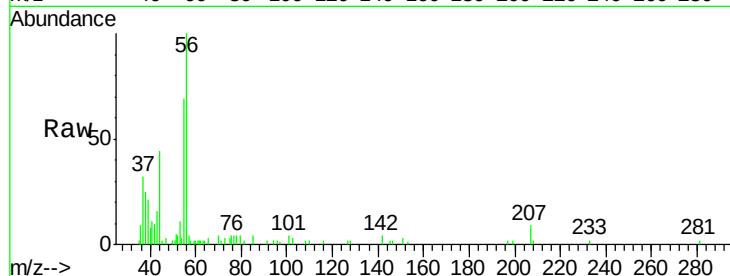
VF0618SBS01

Tgt Ion: 56 Resp: 16593

Ion Ratio Lower Upper

56 100

55 68.6 60.0 90.0



#14

Allyl chloride

Concen: 19.658 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

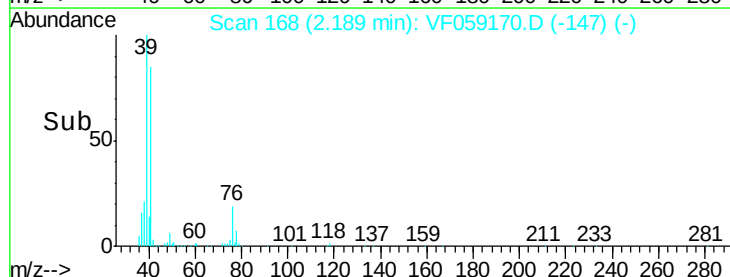
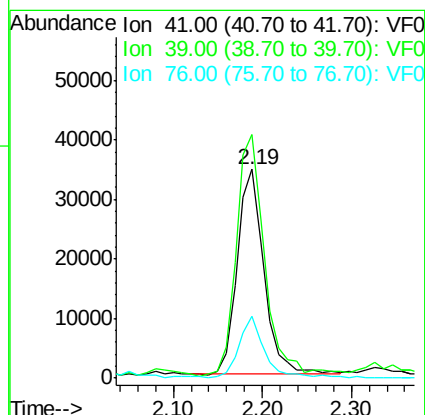
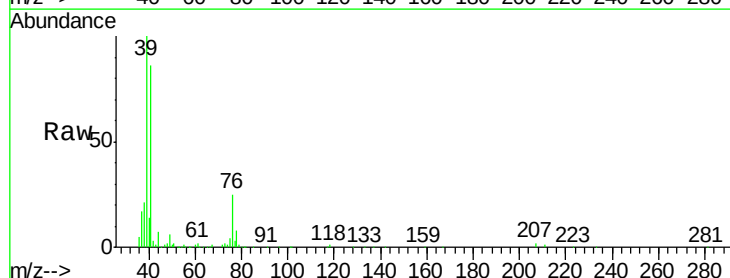
Tgt Ion: 41 Resp: 72694

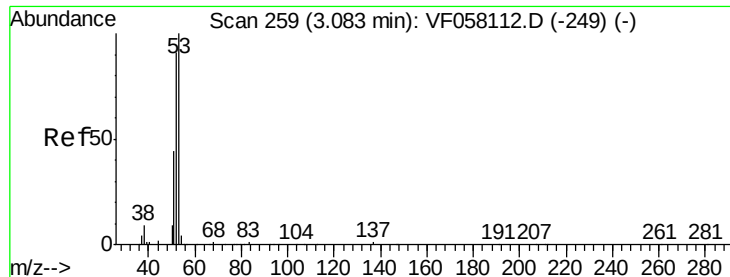
Ion Ratio Lower Upper

41 100

39 116.8 93.5 140.3

76 29.4 23.9 35.9





#15

Acrylonitrile

Concen: 107.051 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

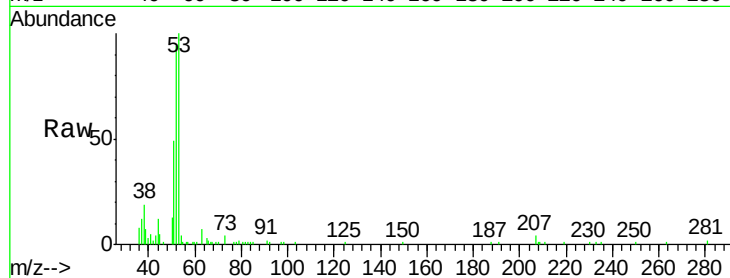
Tgt Ion: 53 Resp: 47241

Ion Ratio Lower Upper

53 100

52 94.4 73.2 109.8

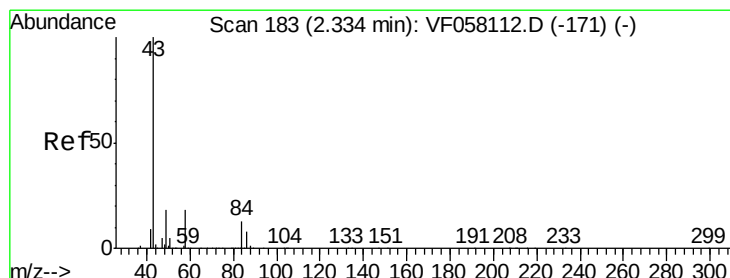
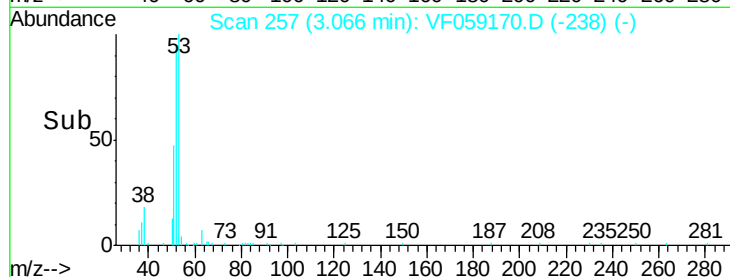
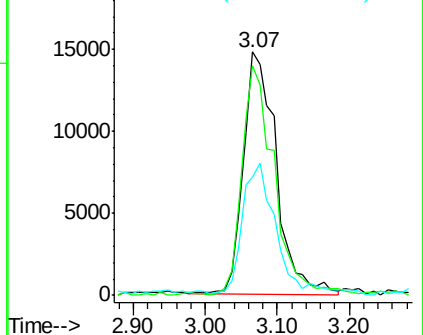
51 48.5 35.6 53.4



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: 126.648 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059170.D

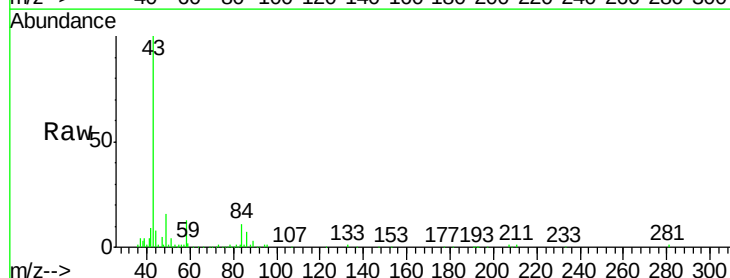
Acq: 18 Jun 2018 12:42

Tgt Ion: 43 Resp: 104861

Ion Ratio Lower Upper

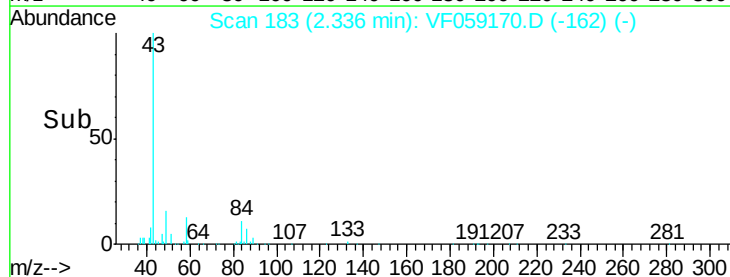
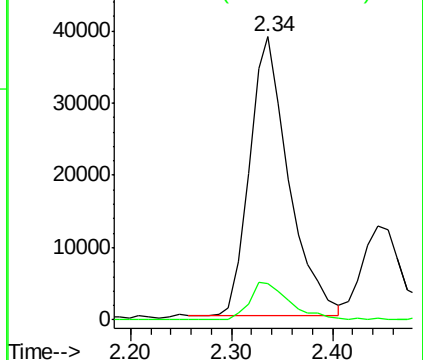
43 100

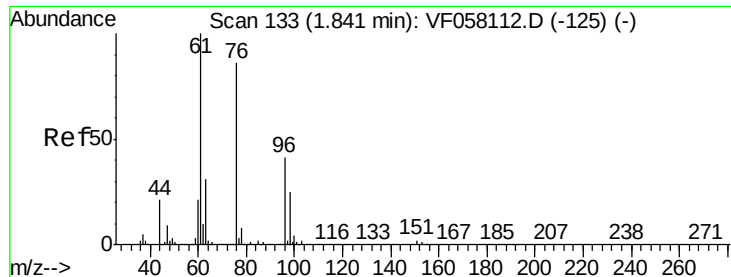
58 13.0 14.4 21.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 16.328 ug/l

RT: 1.87 min Scan# 136

Delta R.T. 0.03 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

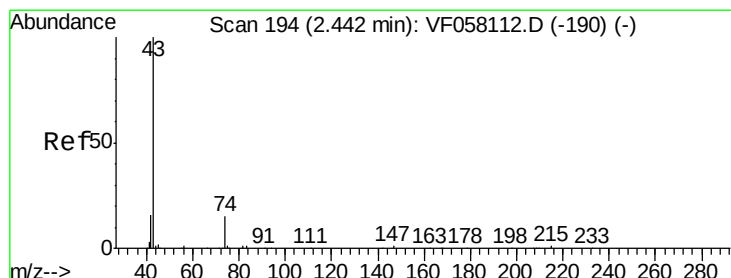
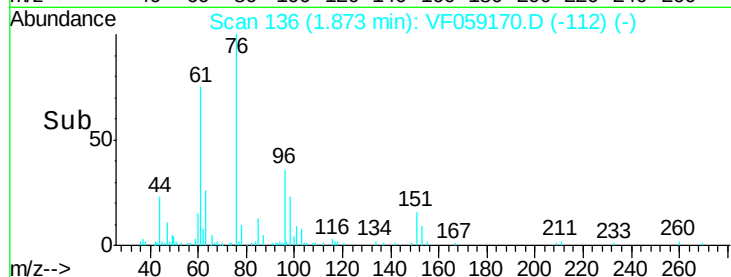
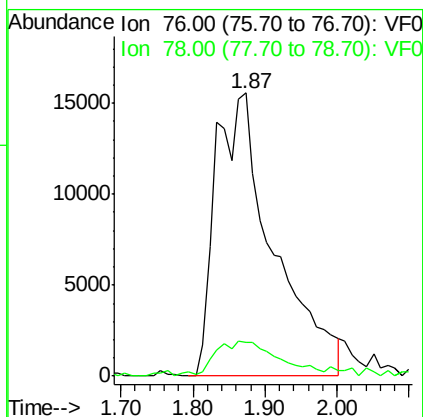
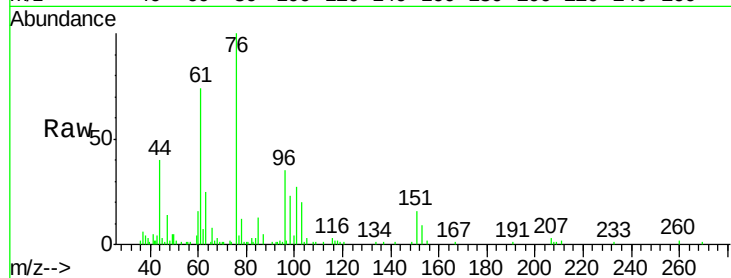
VF0618SBS01

Tgt Ion: 76 Resp: 86373

Ion Ratio Lower Upper

76 100

78 11.9 7.8 11.8#



#18

Methyl Acetate

Concen: 31.939 ug/l

RT: 2.53 min Scan# 203

Delta R.T. 0.09 min

Lab File: VF059170.D

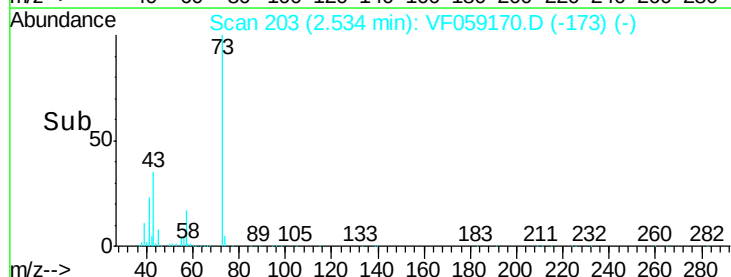
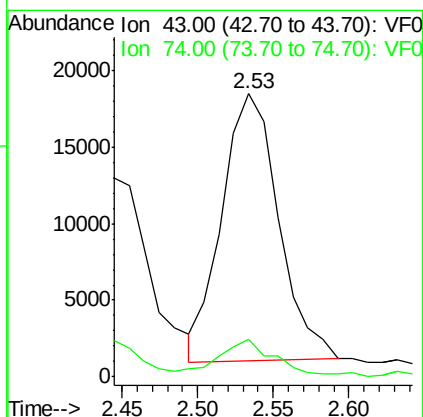
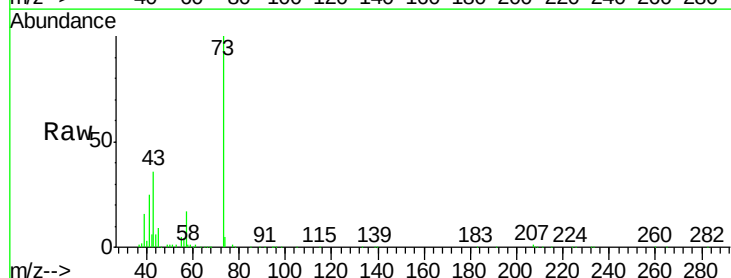
Acq: 18 Jun 2018 12:42

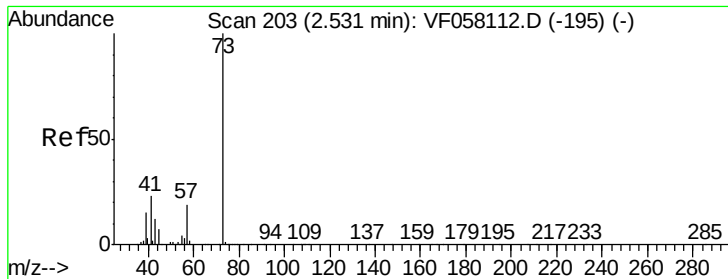
Tgt Ion: 43 Resp: 45460

Ion Ratio Lower Upper

43 100

74 13.5 10.9 16.3



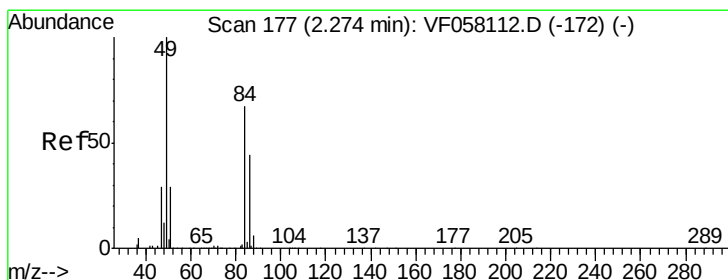
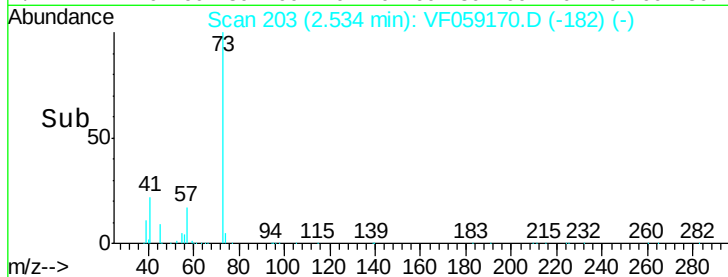
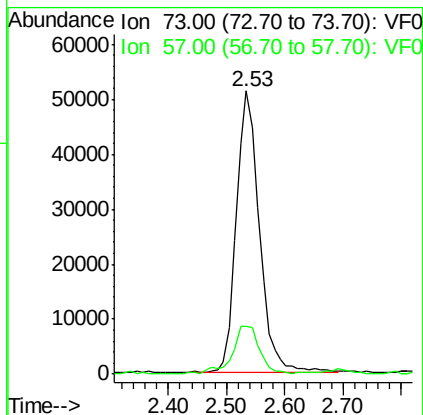
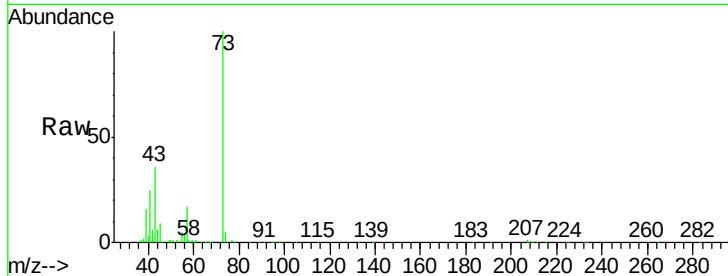


#19

Methyl tert-butyl Ether
 Concen: 24.390 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.00 min
 Lab File: VF059170.D
 Acq: 18 Jun 2018 12:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0618SBS01

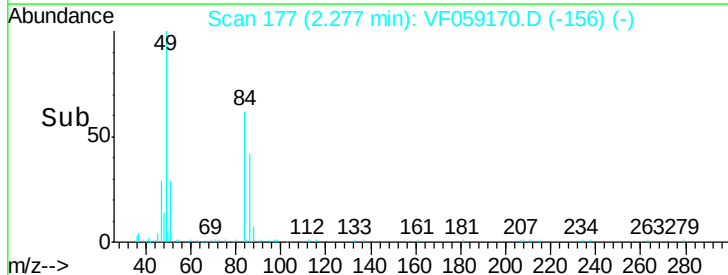
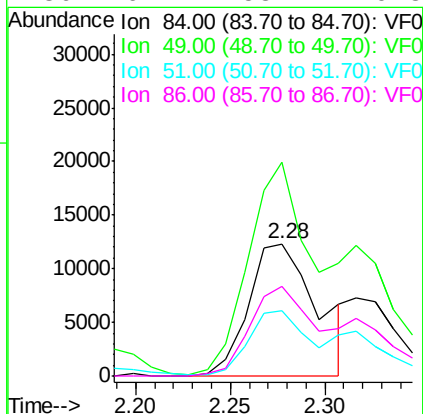
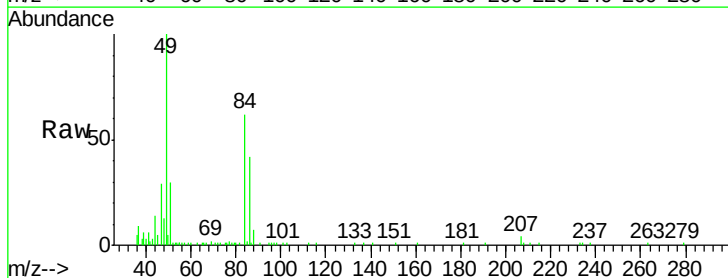
Tgt Ion: 73 Resp: 142655
 Ion Ratio Lower Upper
 73 100
 57 16.8 15.0 22.4

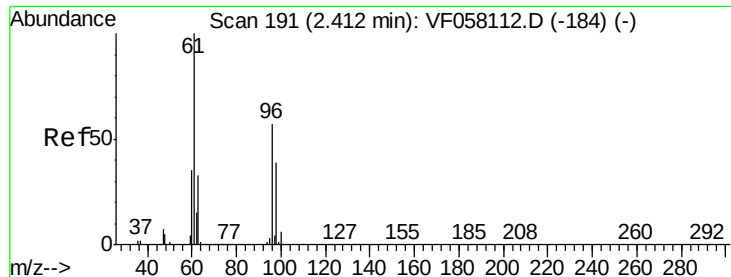


#20

Methylene Chloride
 Concen: 15.749 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF059170.D
 Acq: 18 Jun 2018 12:42

Tgt Ion: 84 Resp: 31222
 Ion Ratio Lower Upper
 84 100
 49 161.3 121.0 181.4
 51 49.2 35.8 53.6
 86 67.4 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 19.879 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

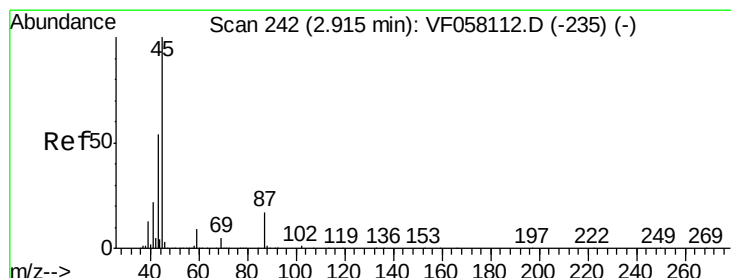
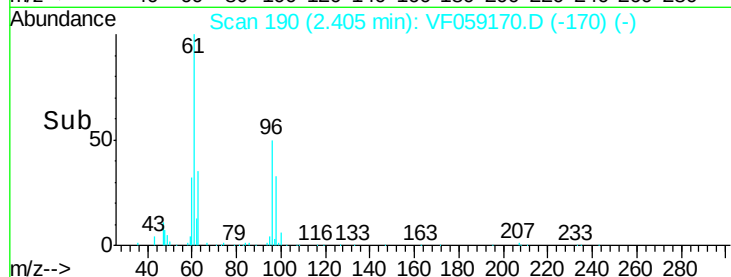
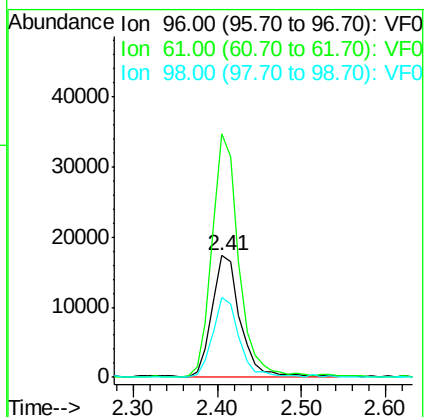
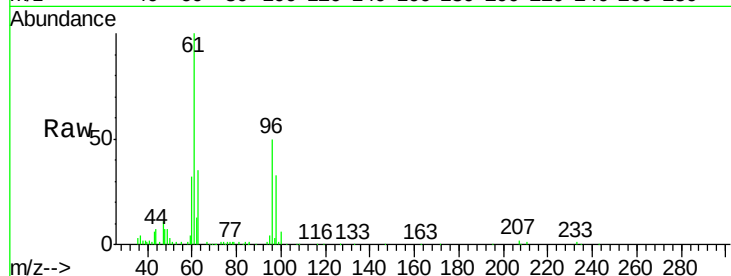
Tgt Ion: 96 Resp: 41076

Ion Ratio Lower Upper

96 100

61 200.0 139.4 209.2

98 65.9 54.0 81.0



#22

Diisopropyl ether

Concen: 21.439 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.00 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Tgt Ion: 45 Resp: 155842

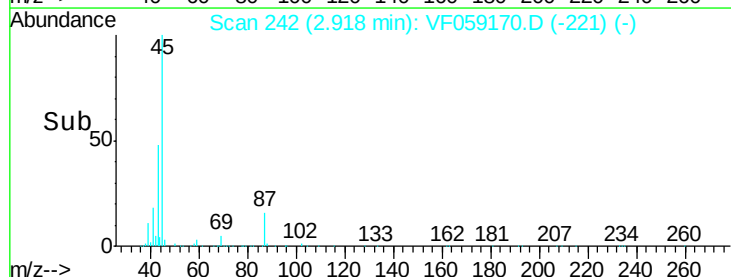
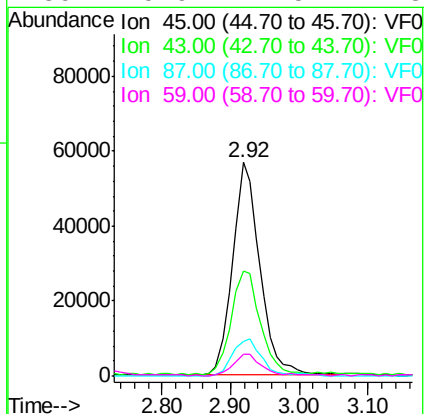
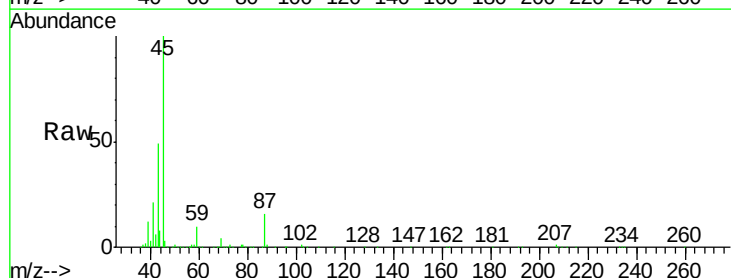
Ion Ratio Lower Upper

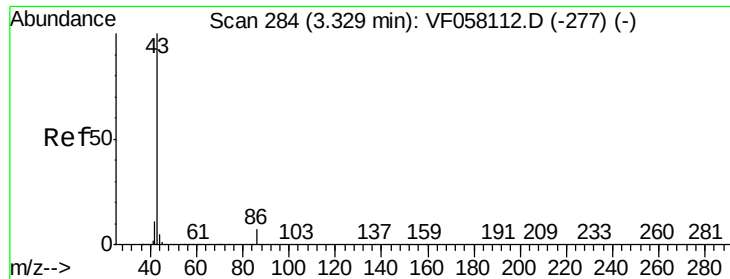
45 100

43 49.2 43.2 64.8

87 16.3 13.8 20.6

59 9.9 7.5 11.3





#23

Vinyl Acetate

Concen: 112.532 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

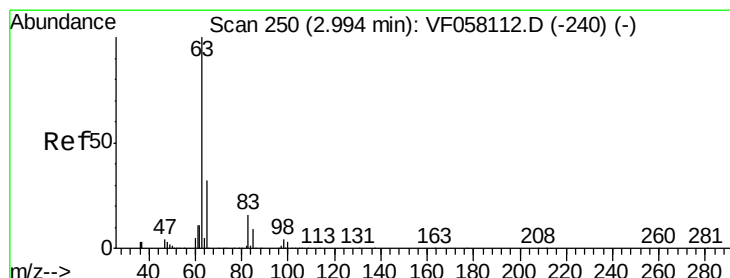
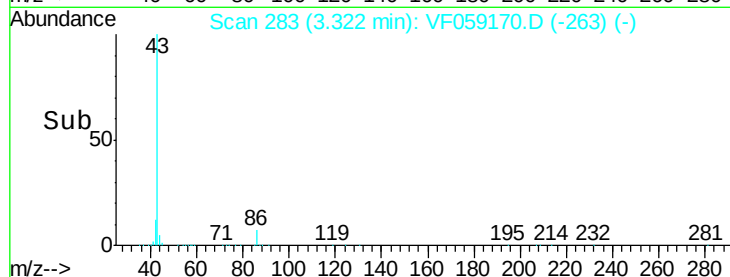
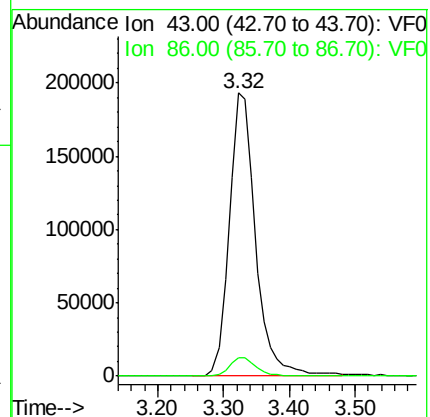
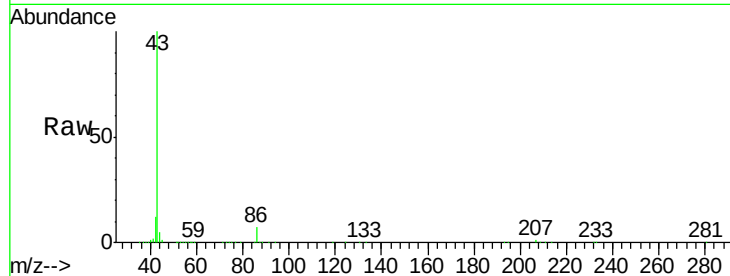
VF0618SBS01

Tgt Ion: 43 Resp: 539353

Ion Ratio Lower Upper

43 100

86 6.6 6.0 9.0



#24

1,1-Dichloroethane

Concen: 21.451 ug/l

RT: 3.00 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

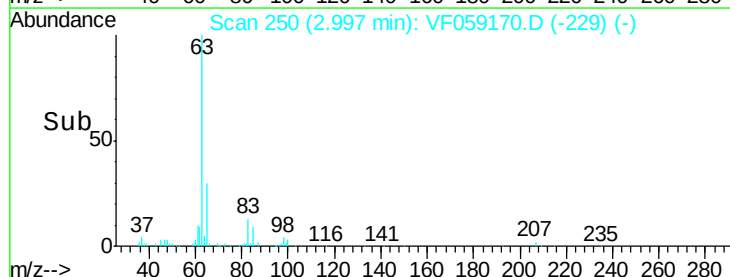
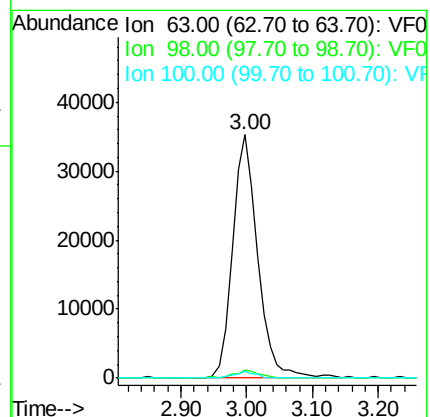
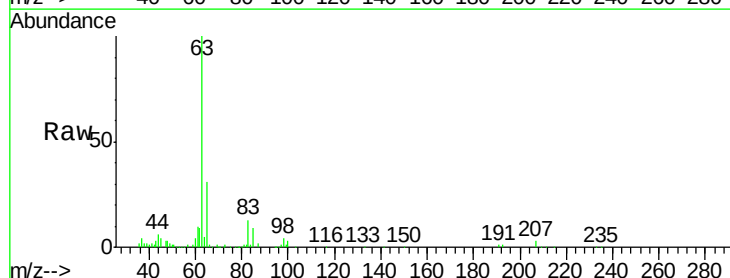
Tgt Ion: 63 Resp: 94536

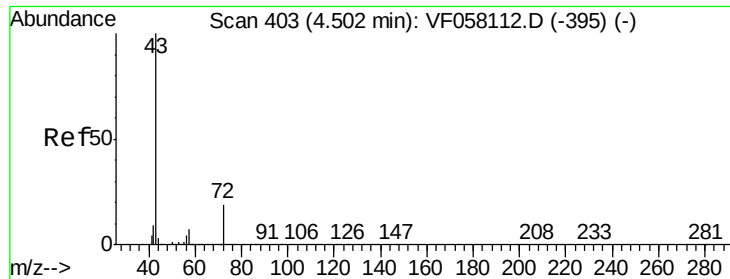
Ion Ratio Lower Upper

63 100

98 3.6 2.0 6.0

100 2.8 1.4 4.0





#25

2-Butanone

Concen: 107.145 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

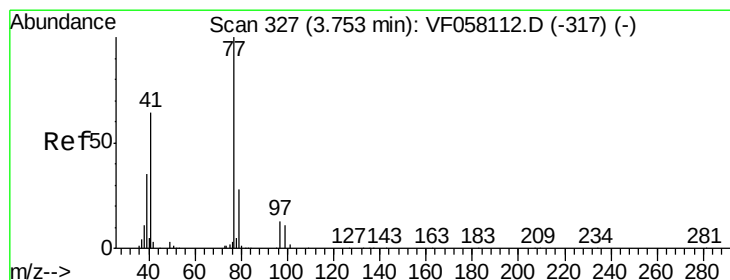
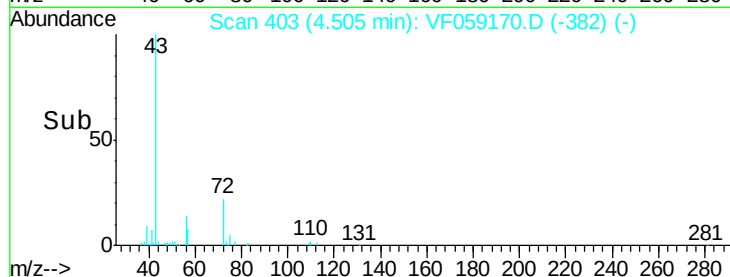
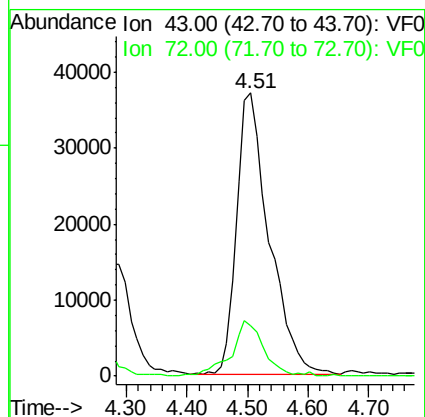
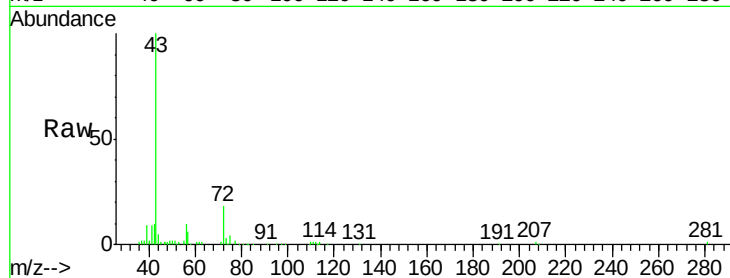
VF0618SBS01

Tgt Ion: 43 Resp: 137536

Ion Ratio Lower Upper

43 100

72 17.8 16.1 24.1



#26

2,2-Dichloropropane

Concen: 21.948 ug/l

RT: 3.75 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF059170.D

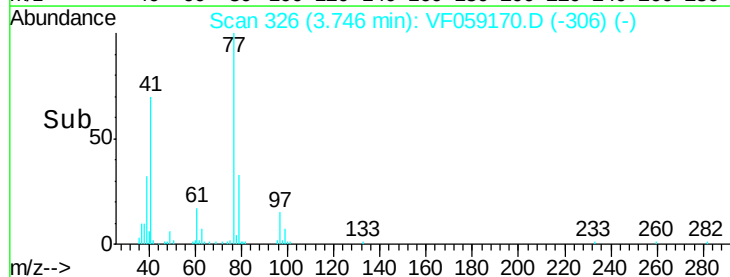
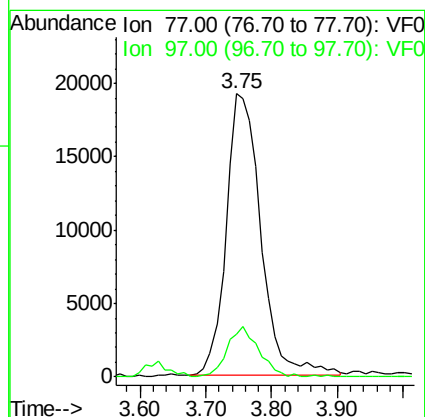
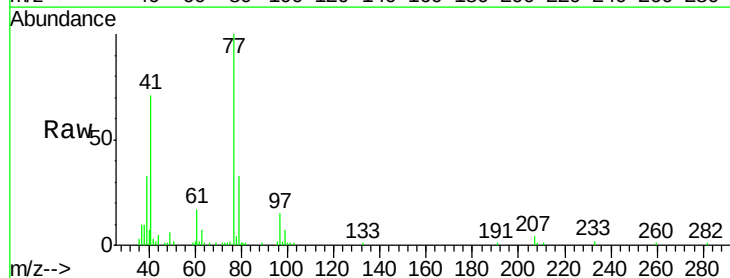
Acq: 18 Jun 2018 12:42

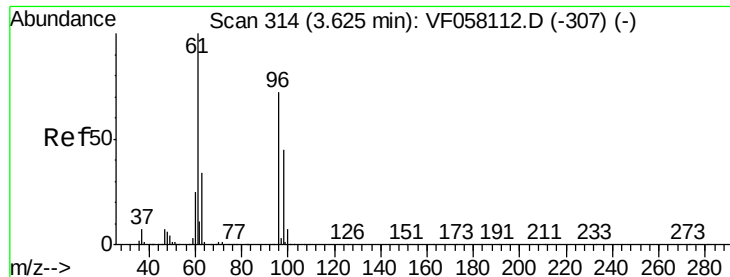
Tgt Ion: 77 Resp: 70172

Ion Ratio Lower Upper

77 100

97 14.9 7.2 21.6



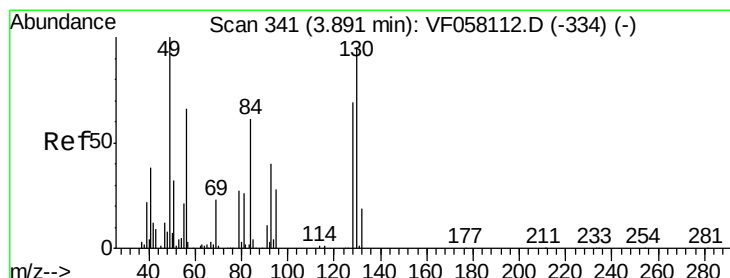
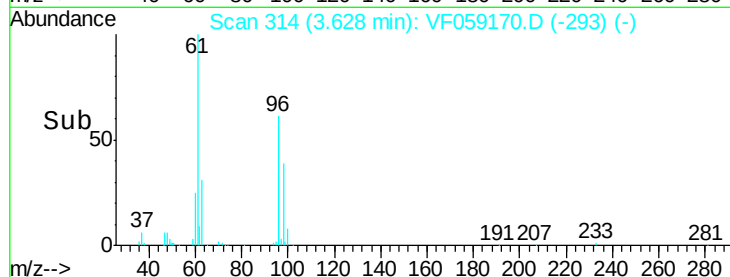
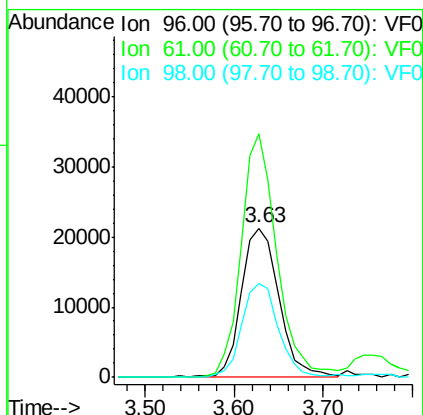
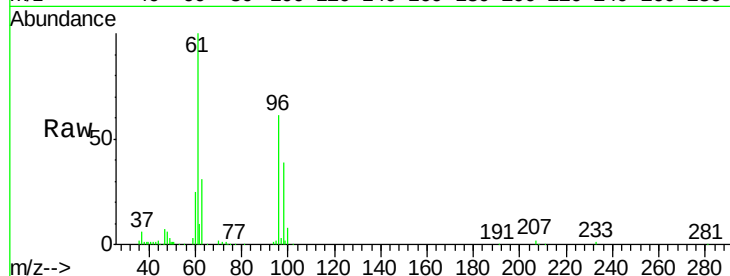


#27

cis-1,2-Dichloroethene
 Concen: 19.526 ug/l
 RT: 3.63 min Scan# 314
 Delta R.T. 0.00 min
 Lab File: VF059170.D
 Acq: 18 Jun 2018 12:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0618SBS01

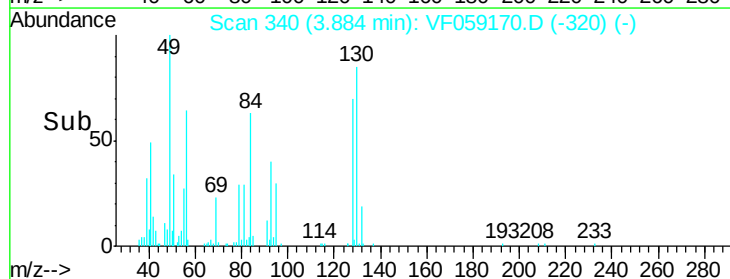
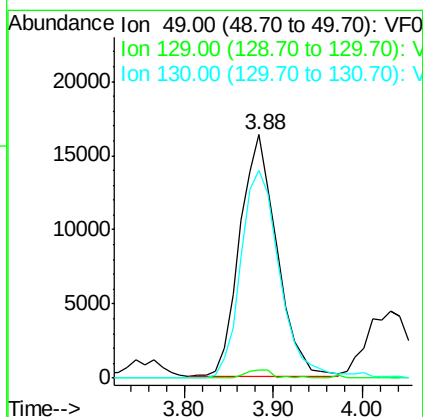
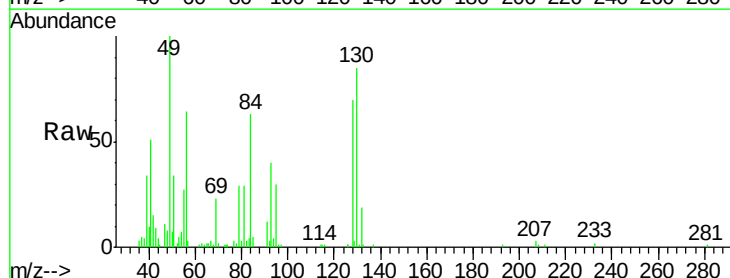
Tgt Ion: 96 Resp: 62094
 Ion Ratio Lower Upper
 96 100
 61 163.5 0.0 278.6
 98 63.1 0.0 125.2

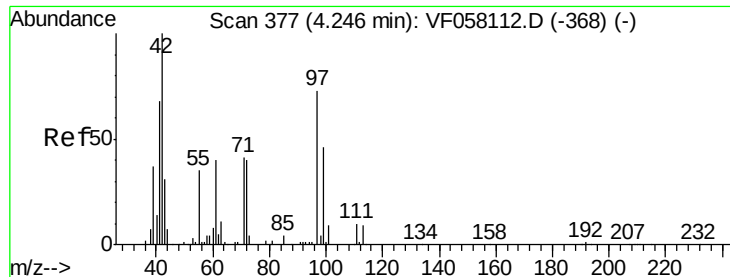


#28

Bromochloromethane
 Concen: 23.524 ug/l
 RT: 3.88 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VF059170.D
 Acq: 18 Jun 2018 12:42

Tgt Ion: 49 Resp: 46662
 Ion Ratio Lower Upper
 49 100
 129 3.4 0.0 0.0#
 130 85.2 75.8 113.8





#29

Tetrahydrofuran

Concen: 113.273 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

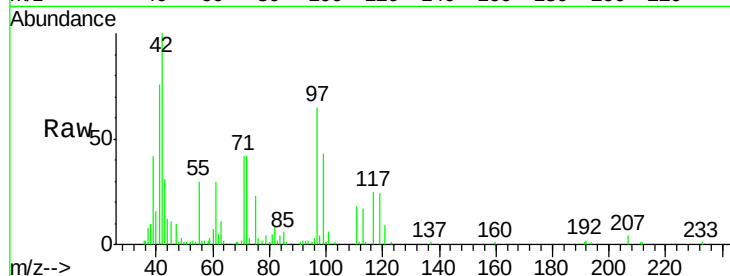
Tgt Ion: 42 Resp: 64068

Ion Ratio Lower Upper

42 100

72 35.7 30.5 45.7

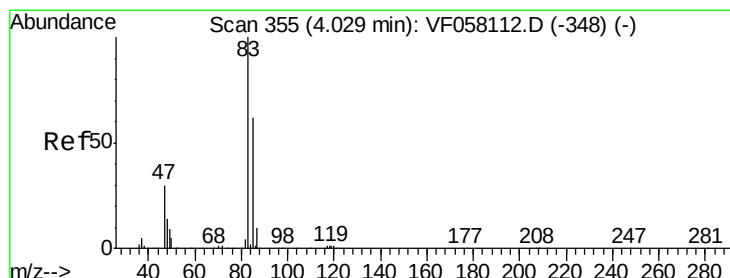
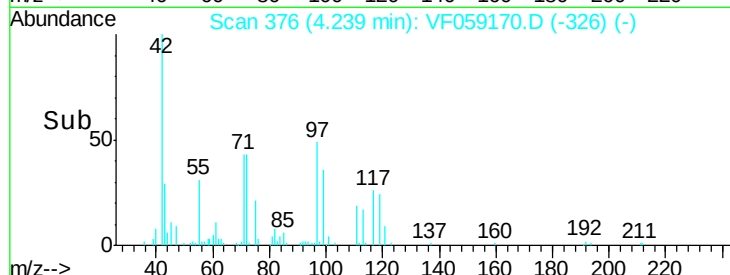
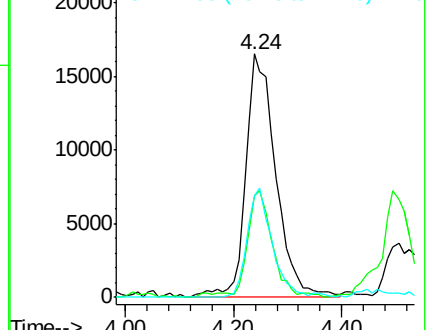
71 36.7 31.5 47.3



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 22.131 ug/l

RT: 4.03 min Scan# 355

Delta R.T. 0.00 min

Lab File: VF059170.D

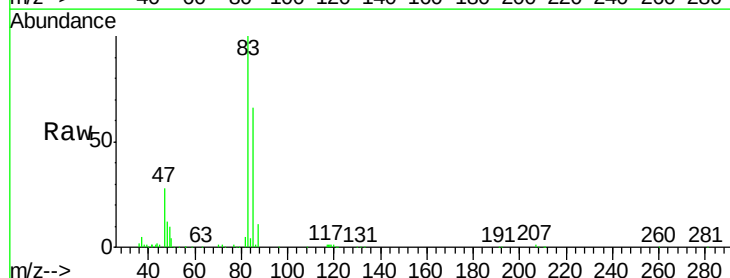
Acq: 18 Jun 2018 12:42

Tgt Ion: 83 Resp: 139520

Ion Ratio Lower Upper

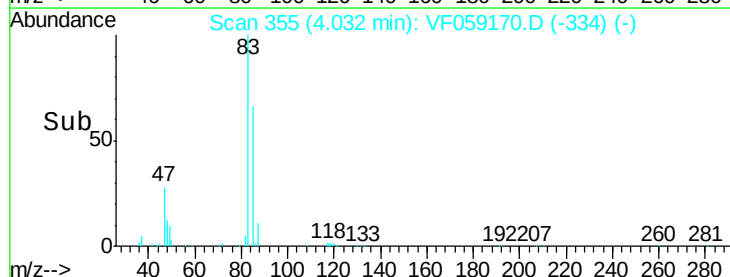
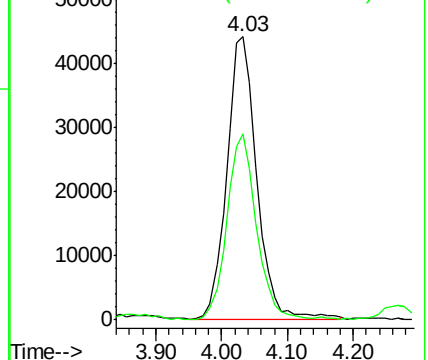
83 100

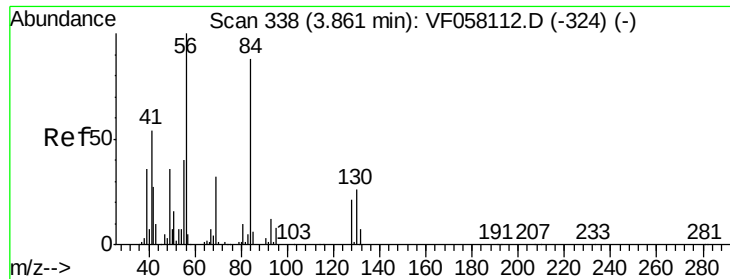
85 65.7 49.5 74.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

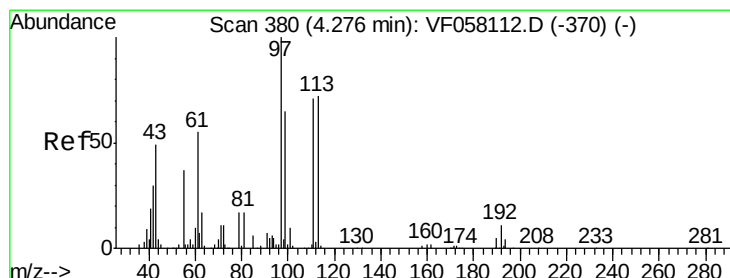
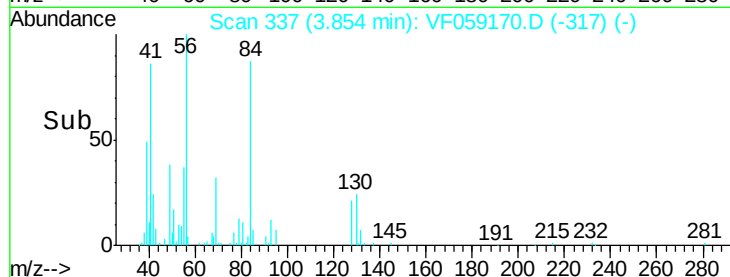
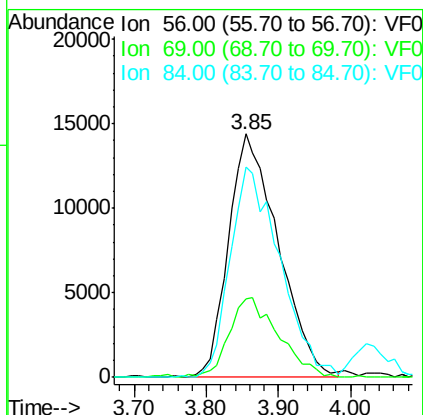
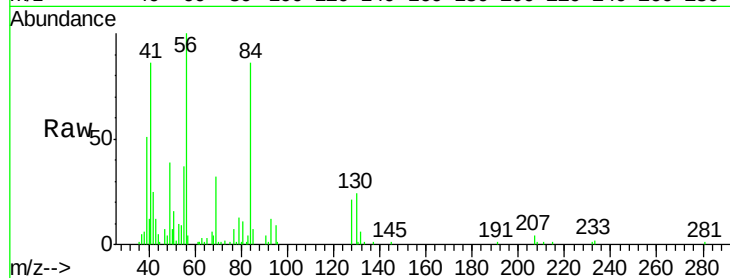




#31
Cyclohexane
Concen: 17.926 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF059170.D
Acq: 18 Jun 2018 12:42

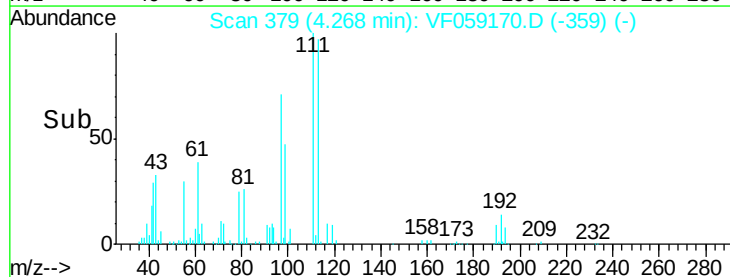
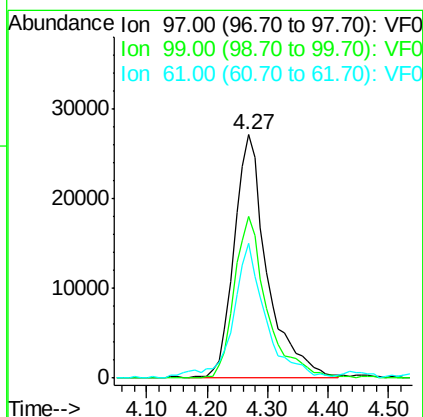
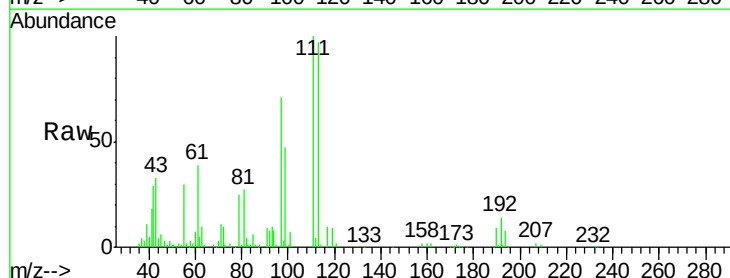
Instrument :
MSVOA_F
ClientSampleId :
VF0618SBS01

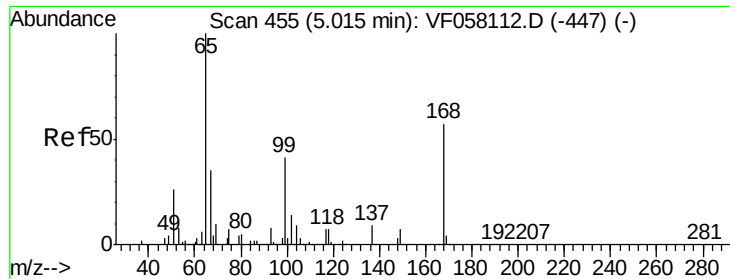
Tgt Ion: 56 Resp: 69011
Ion Ratio Lower Upper
56 100
69 32.5 25.9 38.9
84 86.2 70.3 105.5



#32
1,1,1-Trichloroethane
Concen: 21.951 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059170.D
Acq: 18 Jun 2018 12:42

Tgt Ion: 97 Resp: 103315
Ion Ratio Lower Upper
97 100
99 66.6 52.0 78.0
61 55.6 44.3 66.5

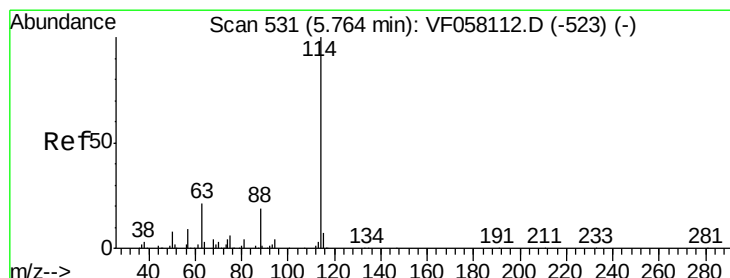
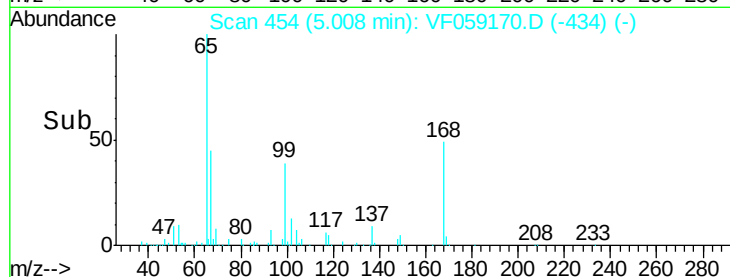
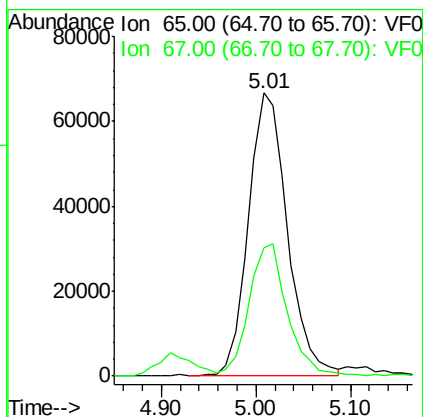
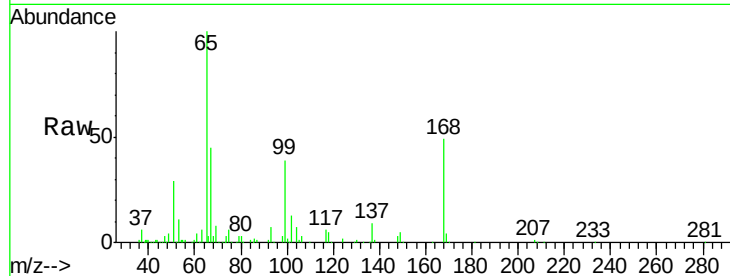




#33
 1,2-Dichloroethane-d4
 Concen: 54.972 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: VF059170.D
 Acq: 18 Jun 2018 12:42

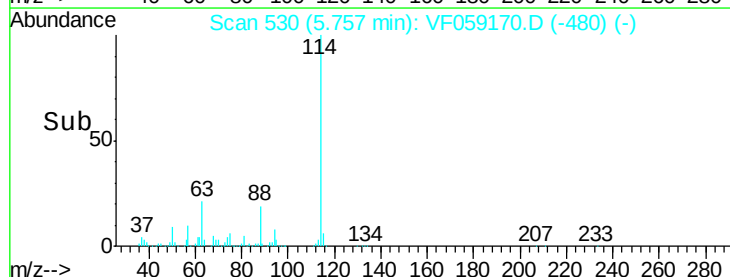
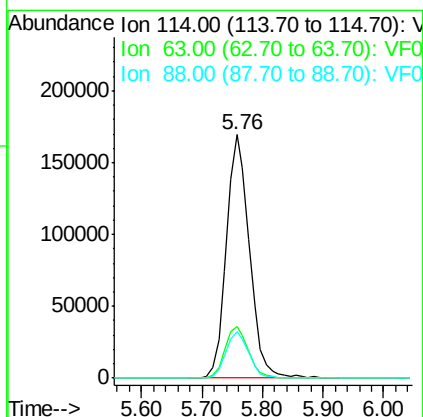
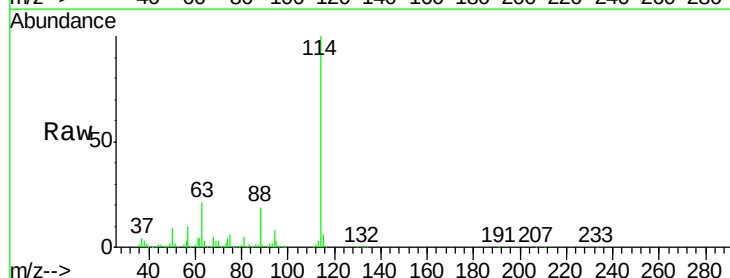
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0618SBS01

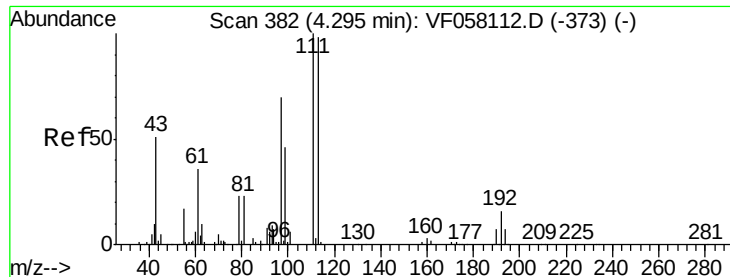
Tgt Ion: 65 Resp: 190632
 Ion Ratio Lower Upper
 65 100
 67 45.2 0.0 97.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059170.D
 Acq: 18 Jun 2018 12:42

Tgt Ion: 114 Resp: 449068
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 41.6
 88 19.3 0.0 38.8





#35

Dibromofluoromethane

Concen: 54.636 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

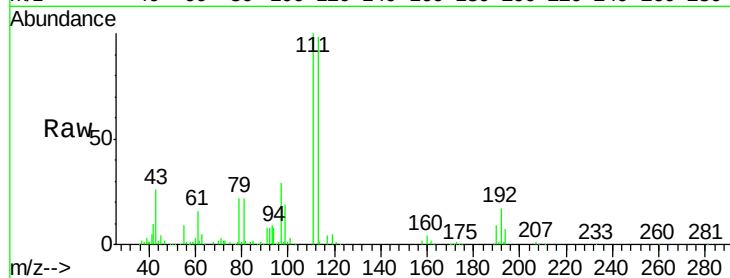
Tgt Ion: 113 Resp: 172157

Ion Ratio Lower Upper

113 100

111 102.4 81.3 121.9

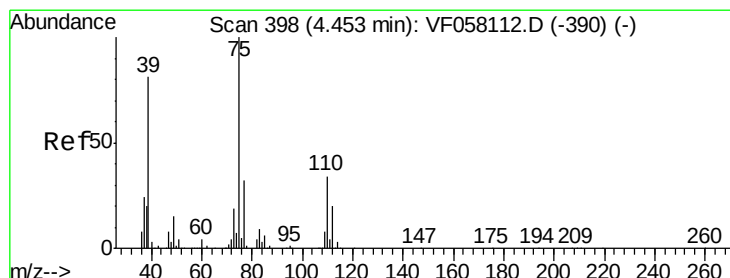
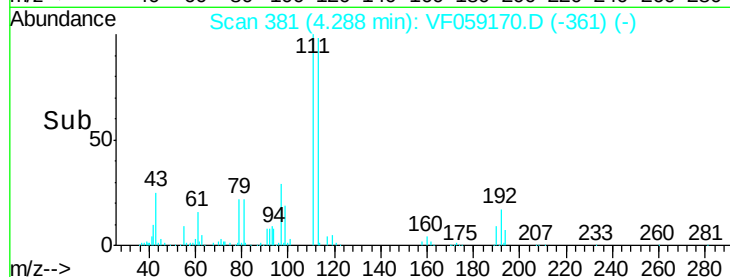
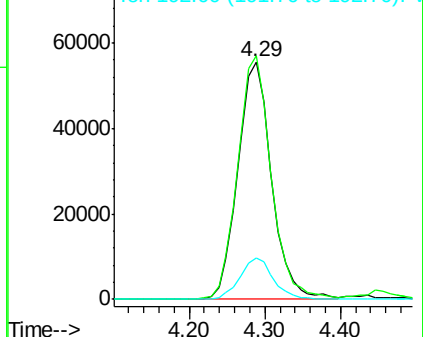
192 17.2 12.7 19.1



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.649 ug/l

RT: 4.46 min Scan# 398

Delta R.T. 0.00 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

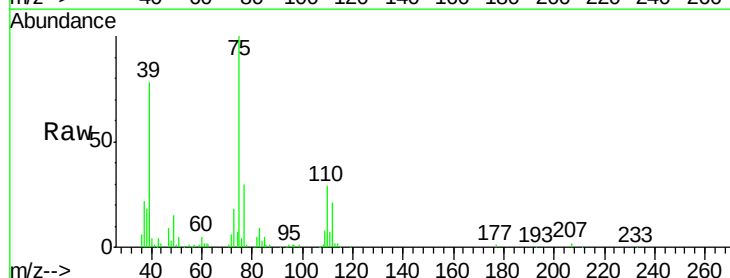
Tgt Ion: 75 Resp: 89880

Ion Ratio Lower Upper

75 100

110 29.3 17.0 50.9

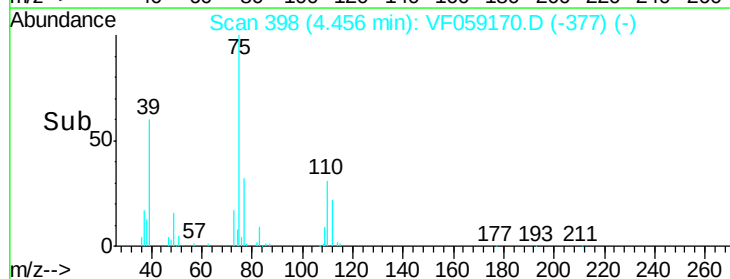
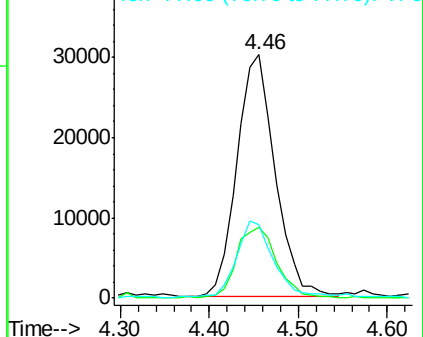
77 30.3 25.3 37.9

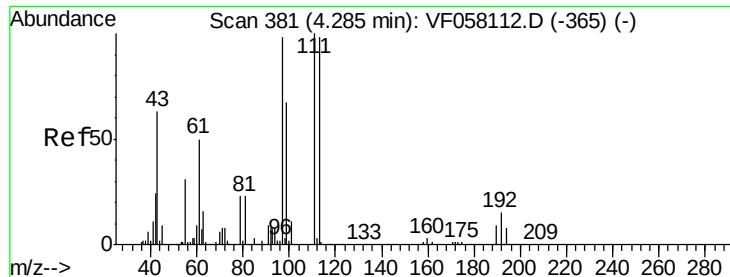


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 22.968 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

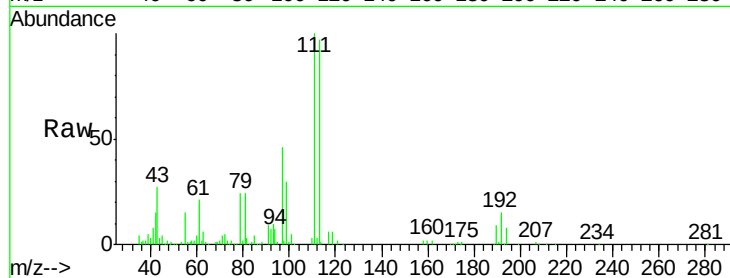
Tgt Ion: 43 Resp: 61772

Ion Ratio Lower Upper

43 100

61 76.1 63.0 94.4

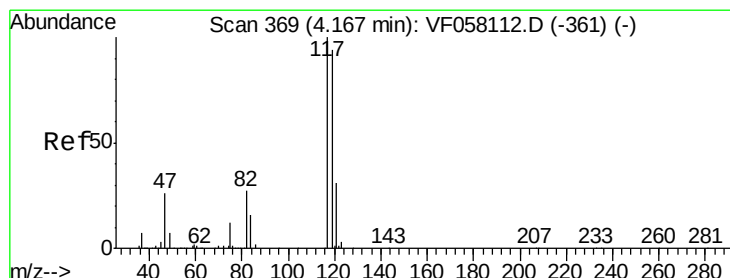
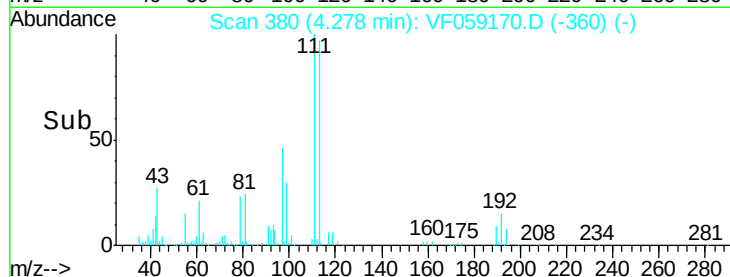
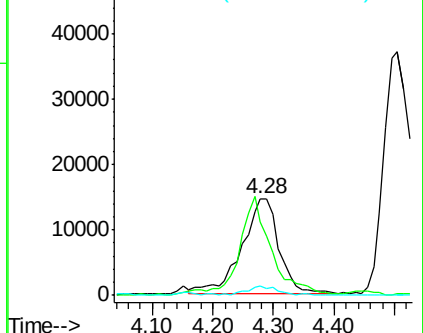
70 9.1 7.5 11.3



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: 24.520 ug/l

RT: 4.15 min Scan# 367

Delta R.T. -0.02 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

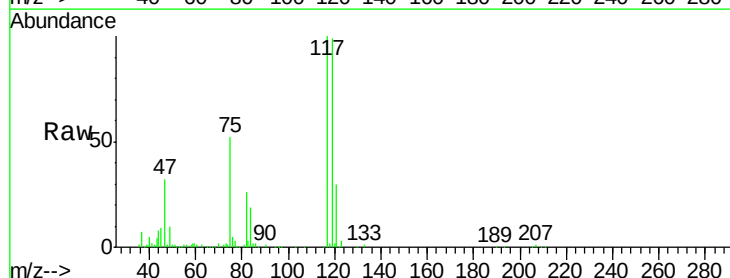
Tgt Ion: 117 Resp: 115671

Ion Ratio Lower Upper

117 100

119 98.9 75.7 113.5

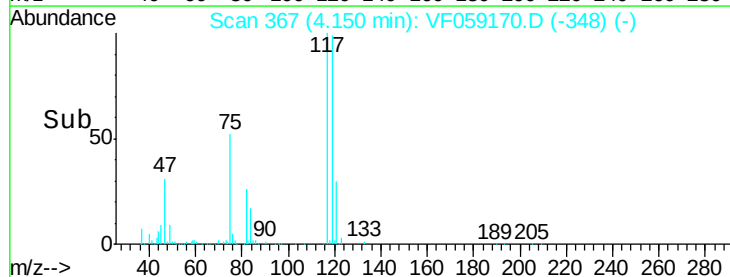
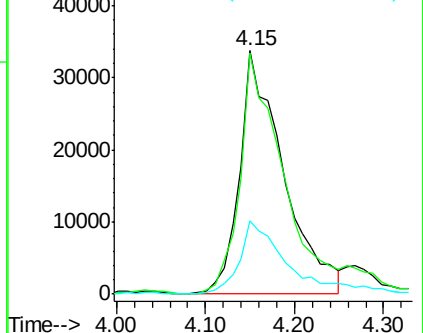
121 30.2 24.8 37.2

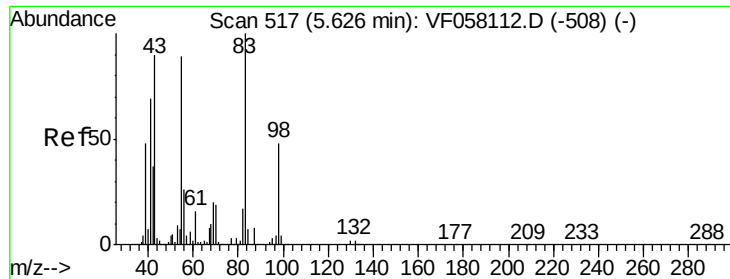


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

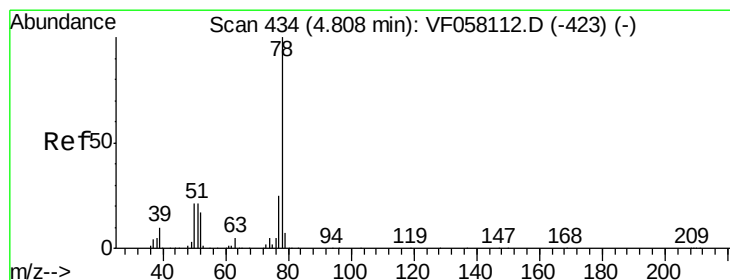
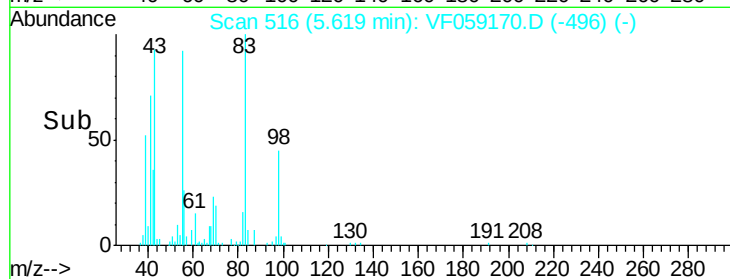
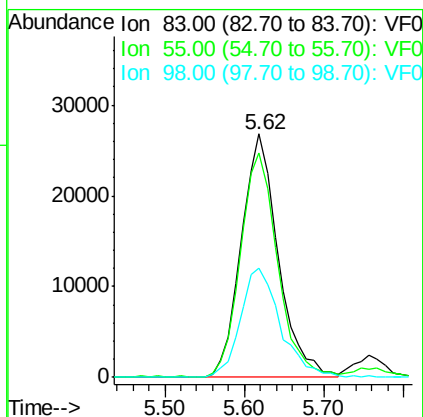
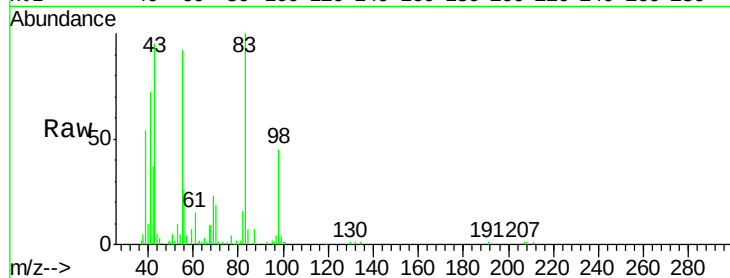




#39
Methylcyclohexane
Concen: 19.409 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.01 min
Lab File: VF059170.D
Acq: 18 Jun 2018 12:42

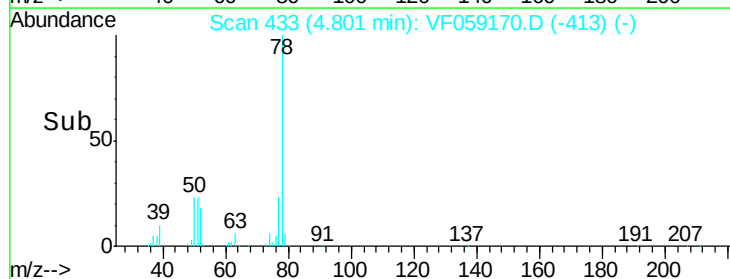
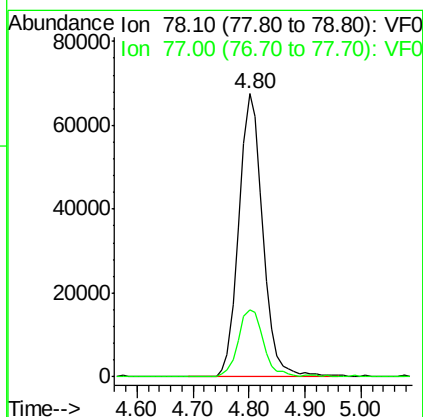
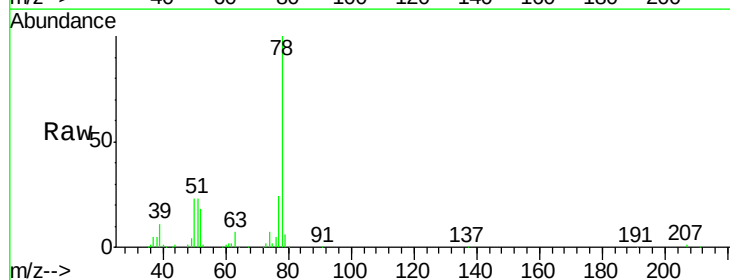
Instrument :
MSVOA_F
ClientSampleId :
VF0618SBS01

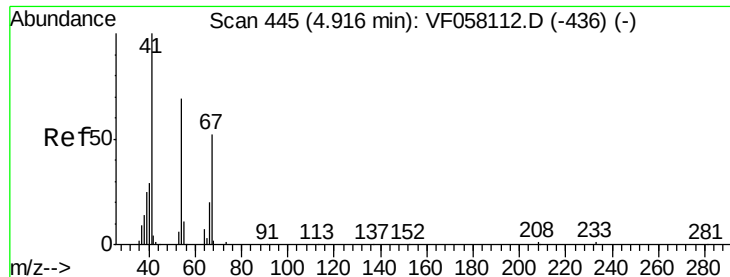
Tgt Ion: 83 Resp: 86117
Ion Ratio Lower Upper
83 100
55 92.1 71.0 106.4
98 44.8 38.1 57.1



#40
Benzene
Concen: 19.863 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059170.D
Acq: 18 Jun 2018 12:42

Tgt Ion: 78 Resp: 200685
Ion Ratio Lower Upper
78 100
77 23.6 20.2 30.2

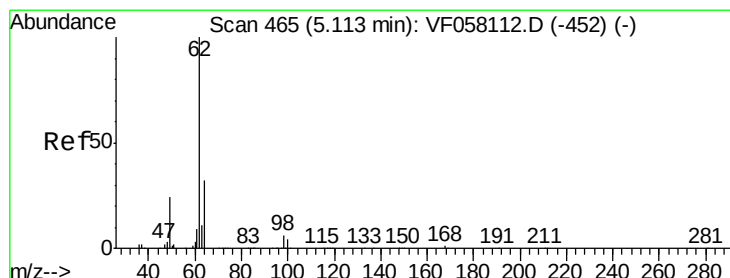
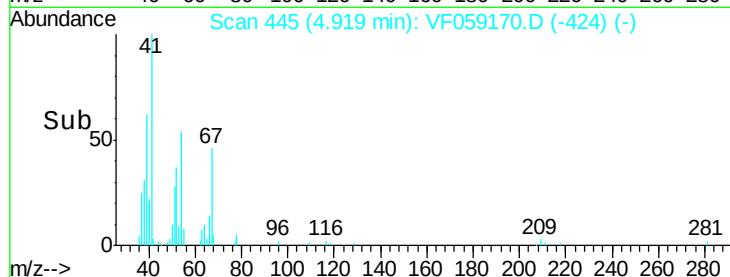
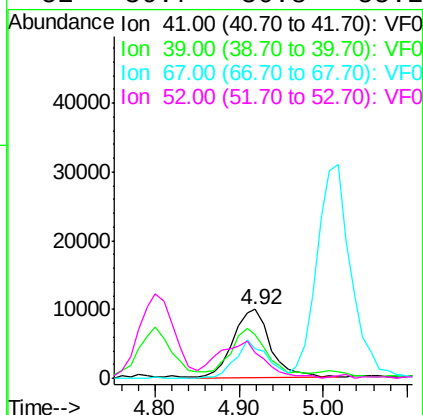
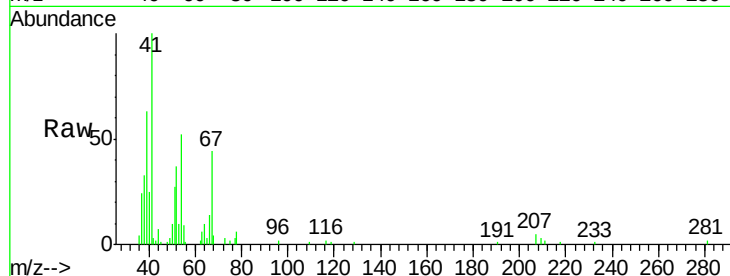




#41
Methacrylonitrile
Concen: 23.037 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059170.D
Acq: 18 Jun 2018 12:42

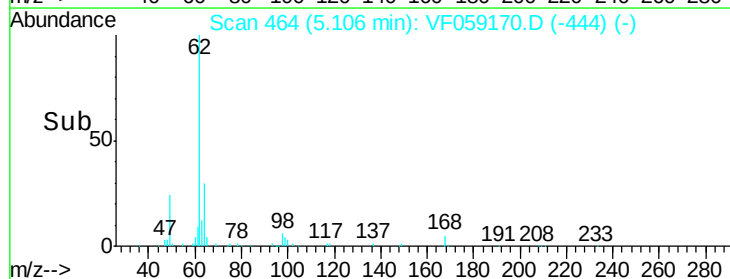
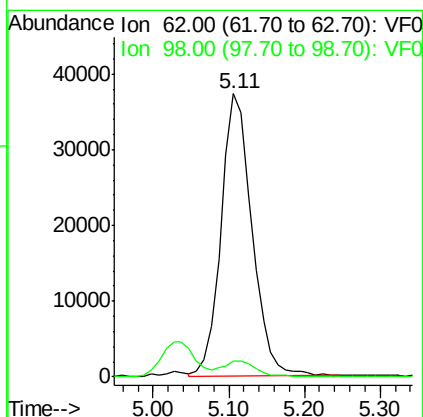
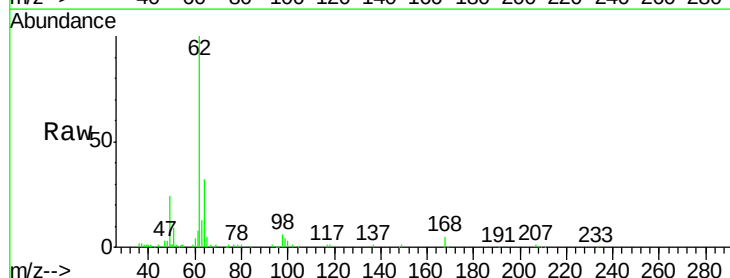
Instrument :
MSVOA_F
ClientSampleId :
VF0618SBS01

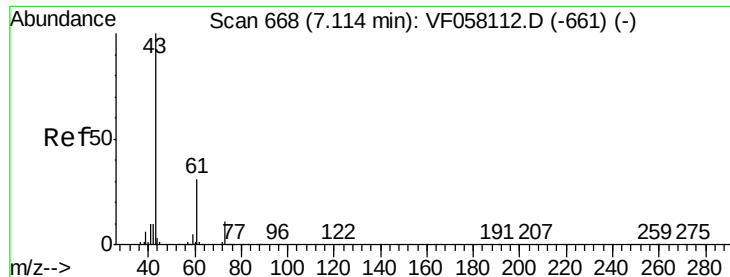
Tgt Ion:	41	Resp:	30440
Ion	Ratio	Lower	Upper
41	100		
39	62.7	53.0	79.4
67	43.8	41.0	61.6
52	36.7	36.8	55.2#



#42
1,2-Dichloroethane
Concen: 23.256 ug/l
RT: 5.11 min Scan# 464
Delta R.T. -0.01 min
Lab File: VF059170.D
Acq: 18 Jun 2018 12:42

Tgt Ion:	62	Resp:	105379
Ion	Ratio	Lower	Upper
62	100		
98	5.8	0.0	11.8





#43

Isopropyl Acetate

Concen: 21.039 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

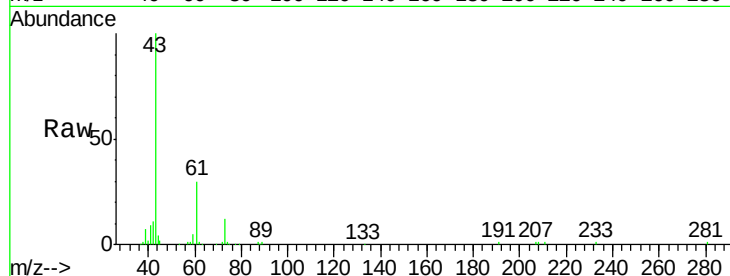
Tgt Ion: 43 Resp: 75781

Ion Ratio Lower Upper

43 100

61 30.0 25.1 37.7

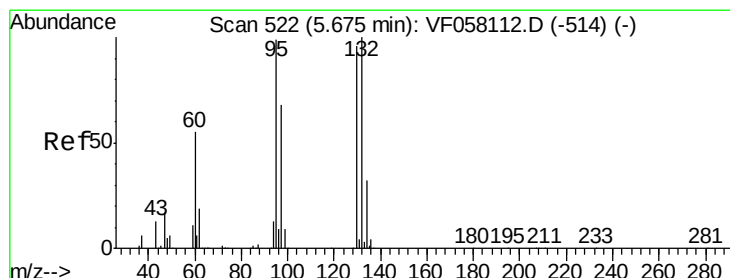
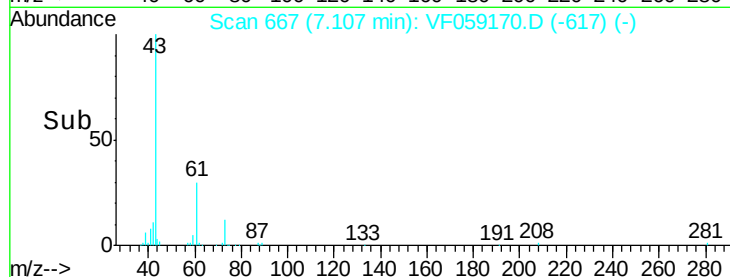
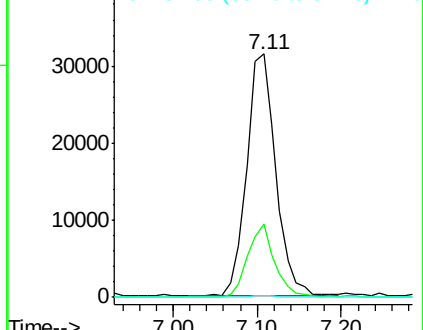
87 0.5 0.2 0.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 21.711 ug/l

RT: 5.67 min Scan# 521

Delta R.T. -0.01 min

Lab File: VF059170.D

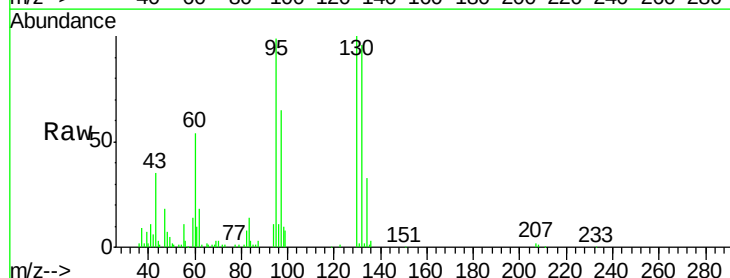
Acq: 18 Jun 2018 12:42

Tgt Ion: 130 Resp: 68539

Ion Ratio Lower Upper

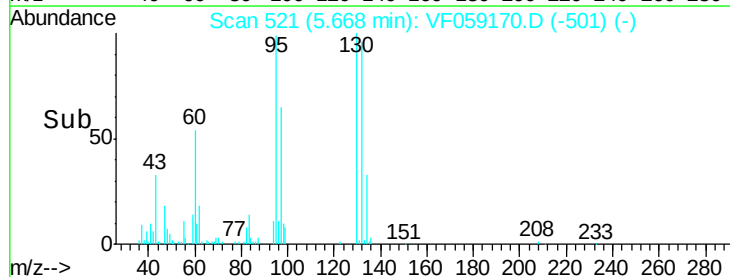
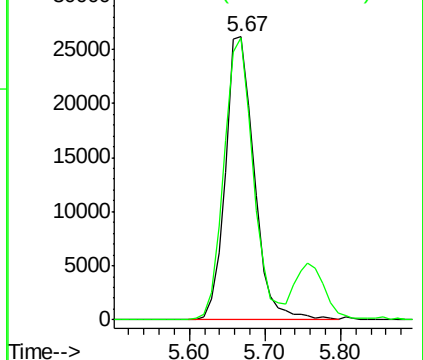
130 100

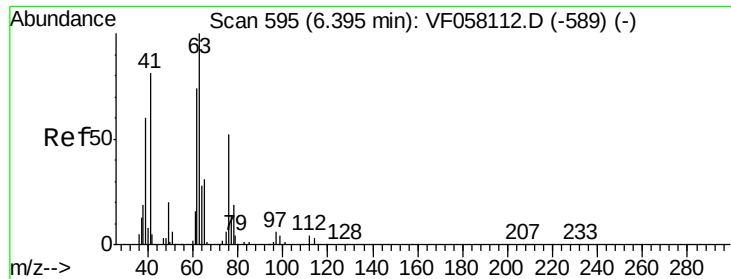
95 99.5 0.0 206.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

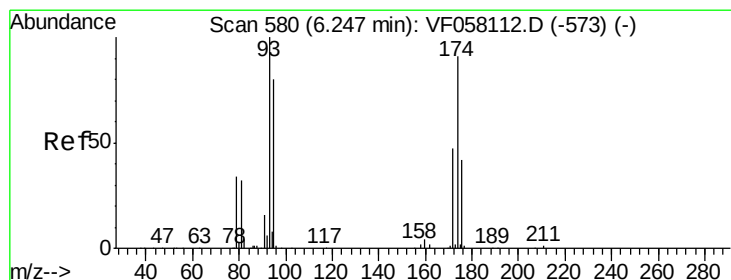
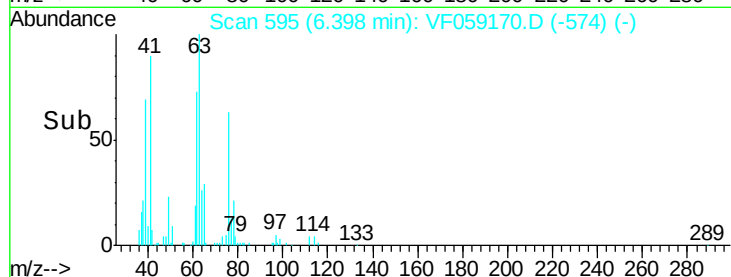
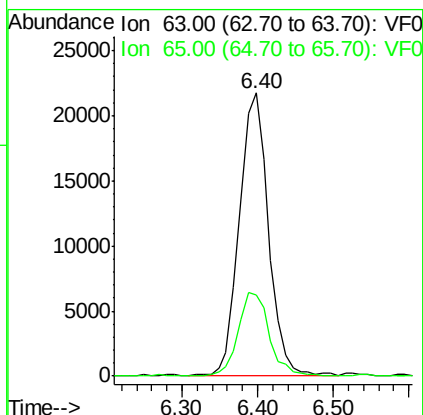
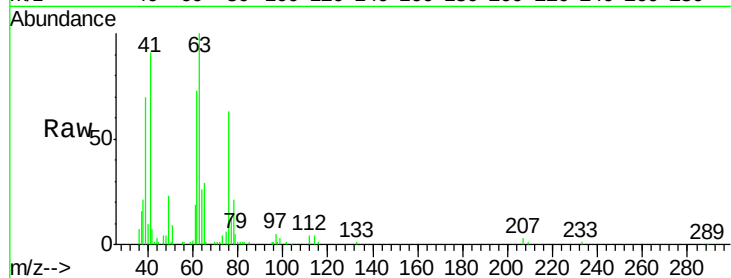




#45
 1,2-Dichloropropane
 Concen: 20.001 ug/l
 RT: 6.40 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VF059170.D
 Acq: 18 Jun 2018 12:42

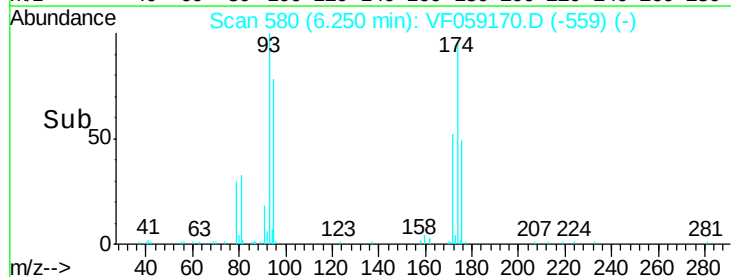
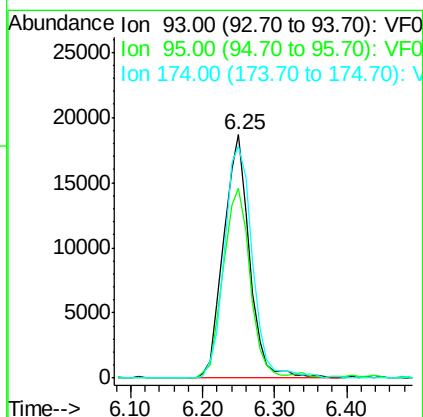
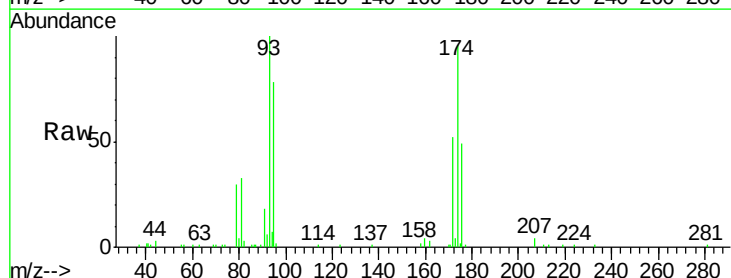
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0618SBS01

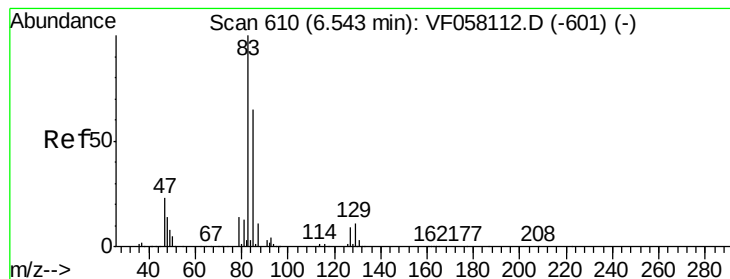
Tgt Ion: 63 Resp: 58264
 Ion Ratio Lower Upper
 63 100
 65 28.8 24.6 37.0



#46
 Dibromomethane
 Concen: 21.179 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VF059170.D
 Acq: 18 Jun 2018 12:42

Tgt Ion: 93 Resp: 46421
 Ion Ratio Lower Upper
 93 100
 95 77.9 64.2 96.4
 174 95.5 72.7 109.1





#47

Bromodichloromethane

Concen: 21.909 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

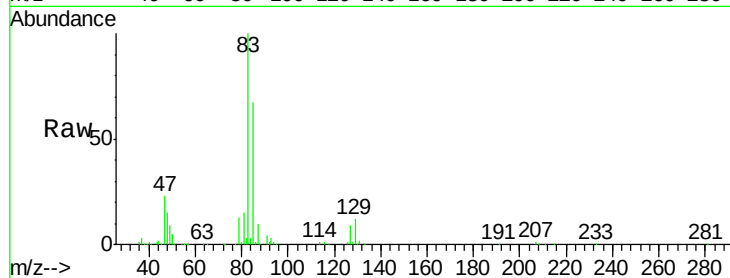
Tgt Ion: 83 Resp: 109243

Ion Ratio Lower Upper

83 100

85 66.8 51.6 77.4

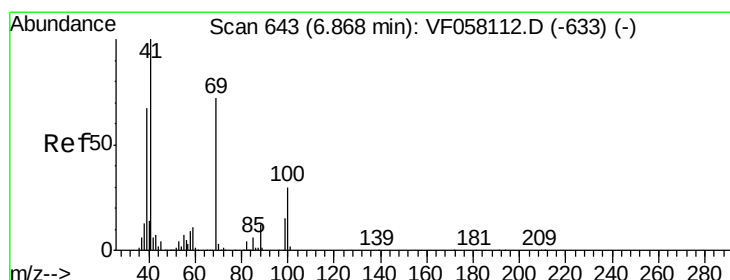
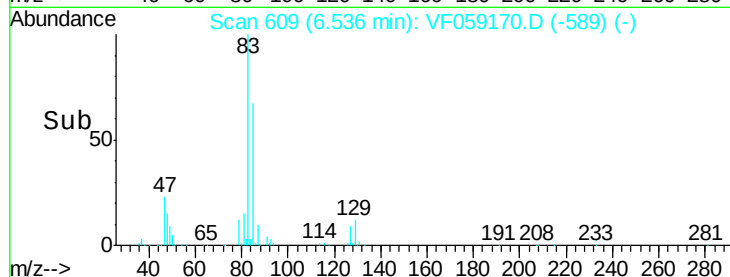
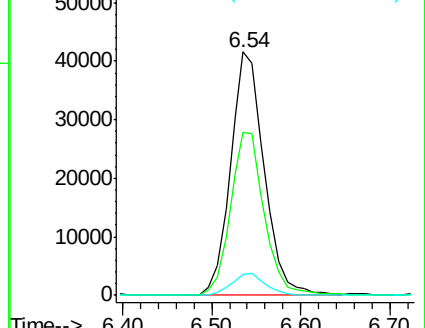
127 8.8 7.2 10.8



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: 22.764 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

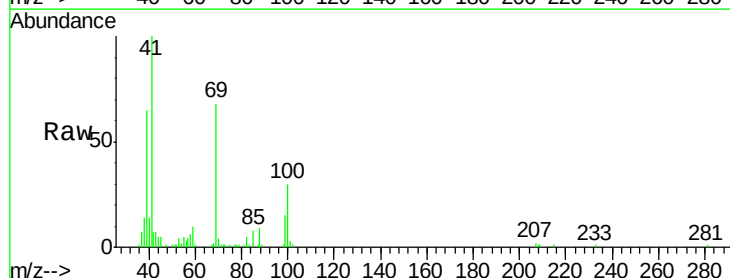
Tgt Ion: 41 Resp: 50546

Ion Ratio Lower Upper

41 100

69 67.9 57.2 85.8

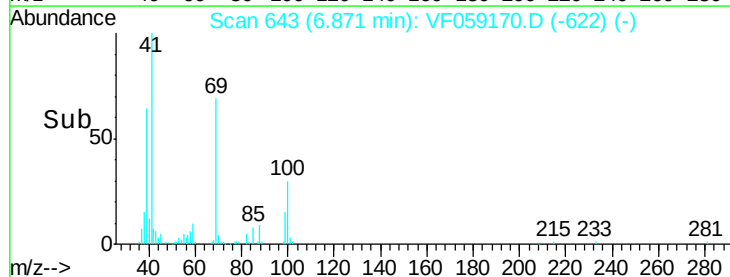
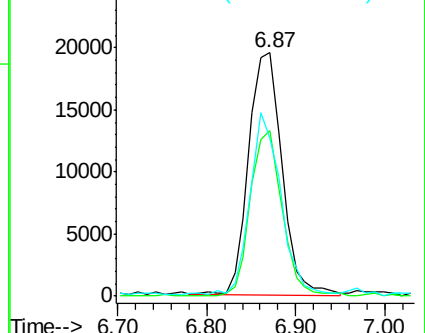
39 64.8 54.3 81.5

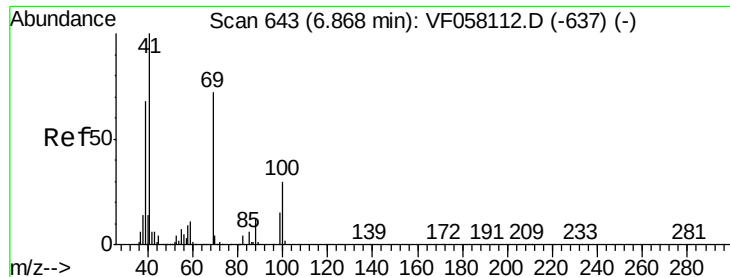


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 284.783 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

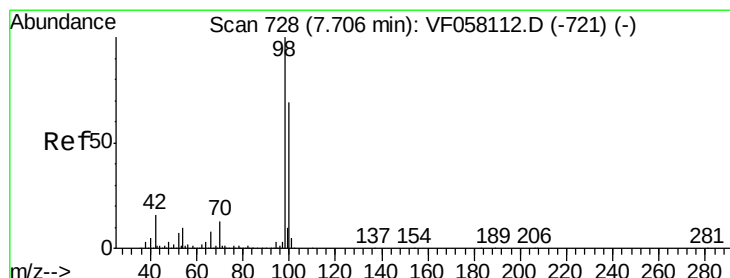
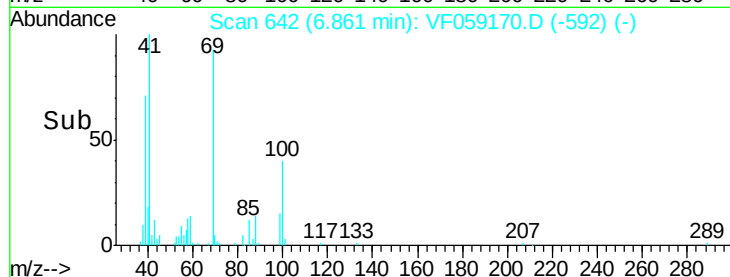
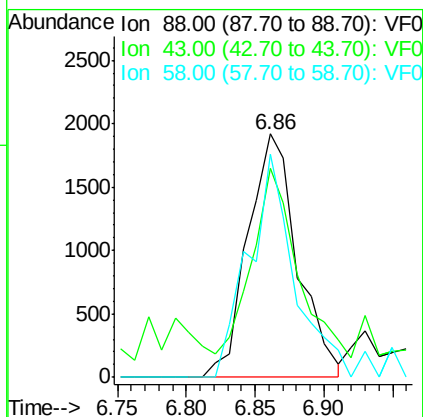
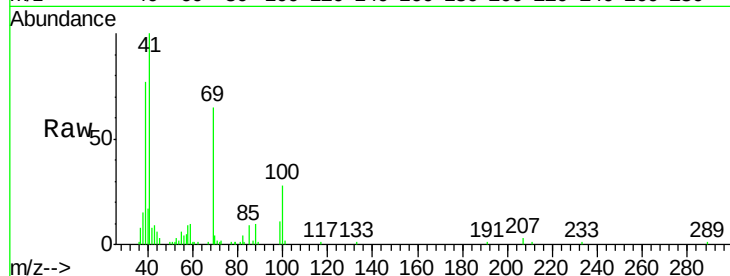
Tgt Ion: 88 Resp: 4817

Ion Ratio Lower Upper

88 100

43 86.0 47.8 71.8#

58 91.6 59.4 89.0#



#50

Toluene-d8

Concen: 49.336 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF059170.D

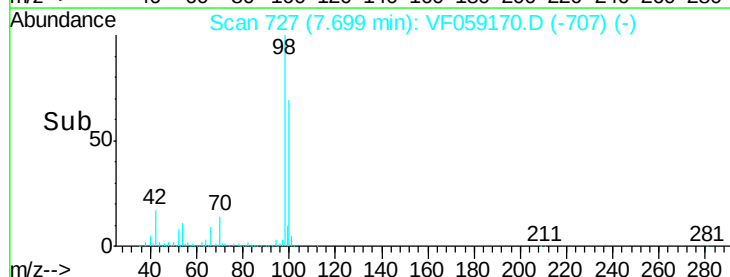
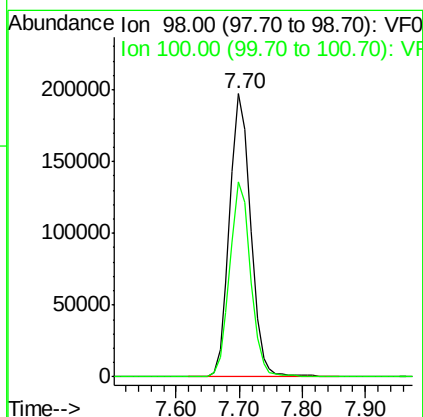
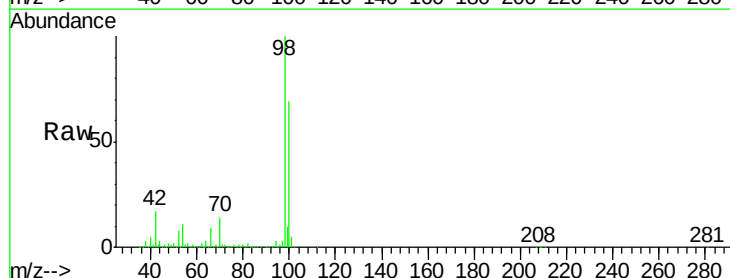
Acq: 18 Jun 2018 12:42

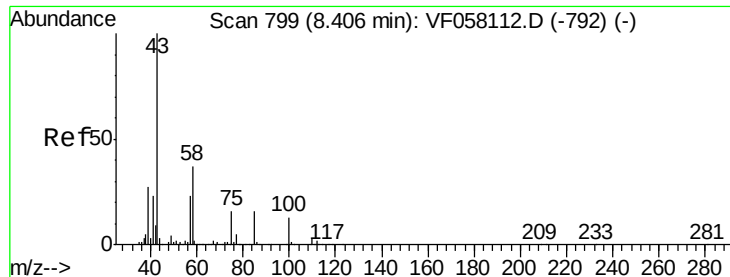
Tgt Ion: 98 Resp: 456699

Ion Ratio Lower Upper

98 100

100 69.1 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 115.216 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

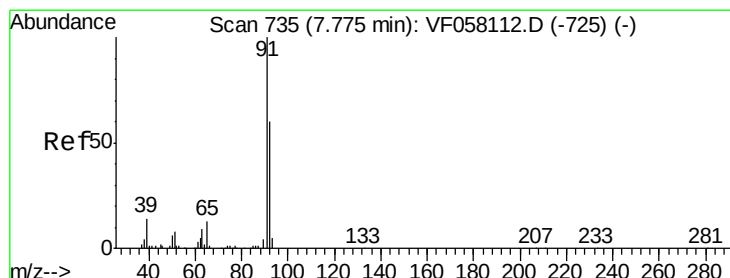
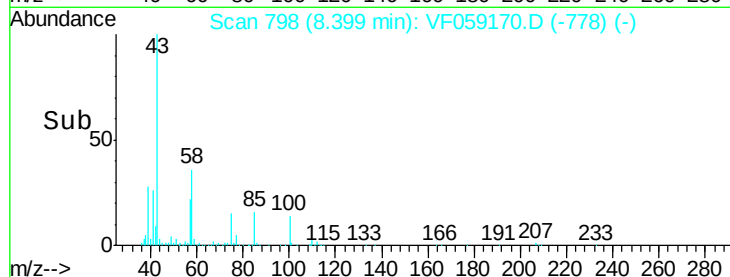
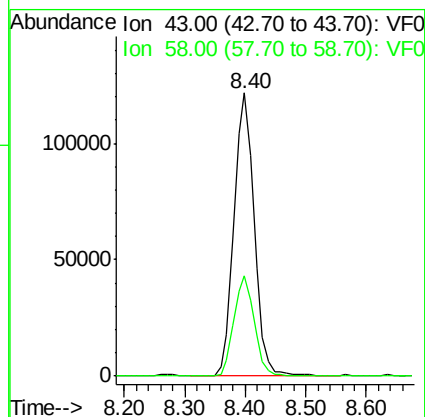
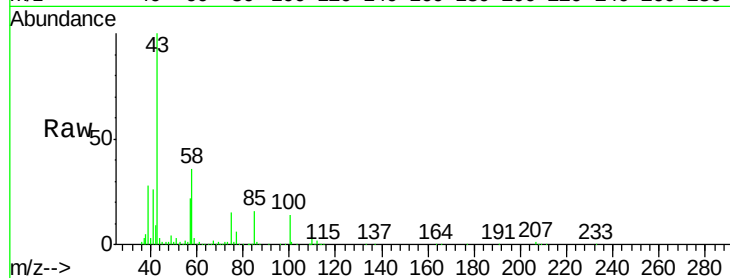
VF0618SBS01

Tgt Ion: 43 Resp: 284442

Ion Ratio Lower Upper

43 100

58 35.5 29.4 44.0



#52

Toluene

Concen: 19.315 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059170.D

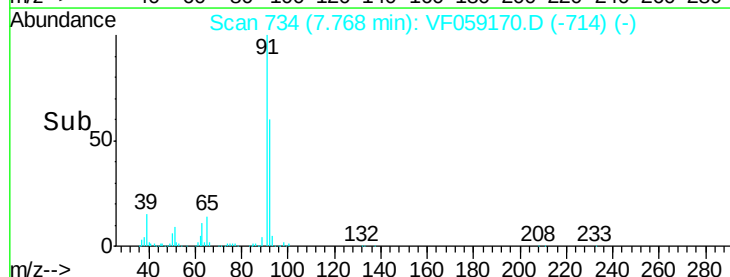
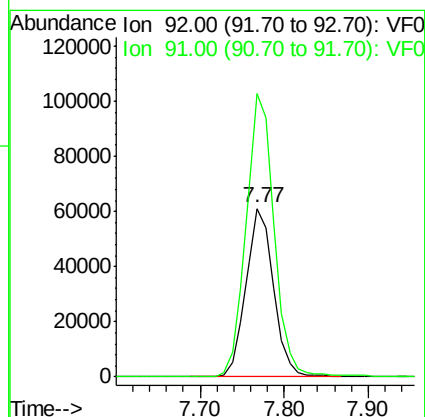
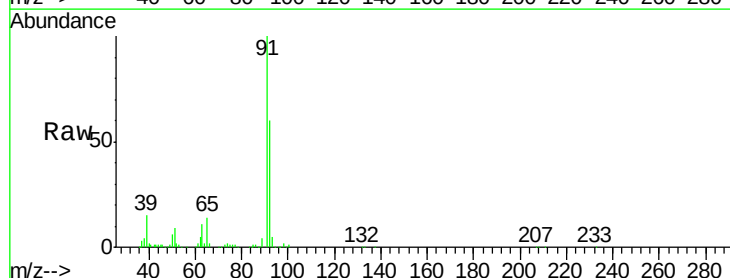
Acq: 18 Jun 2018 12:42

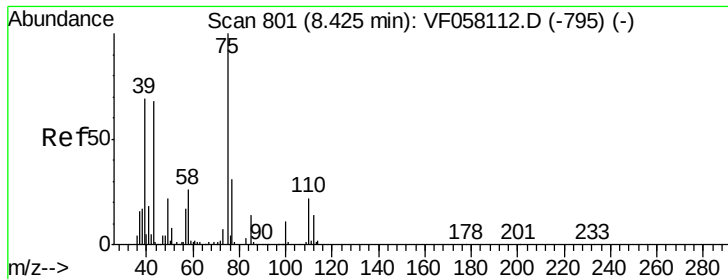
Tgt Ion: 92 Resp: 140559

Ion Ratio Lower Upper

92 100

91 167.8 132.9 199.3





#53

t-1,3-Dichloropropene

Concen: 22.964 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

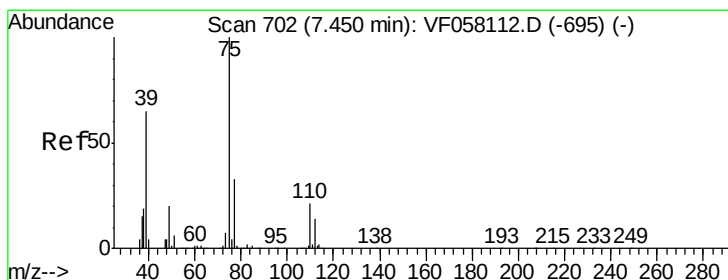
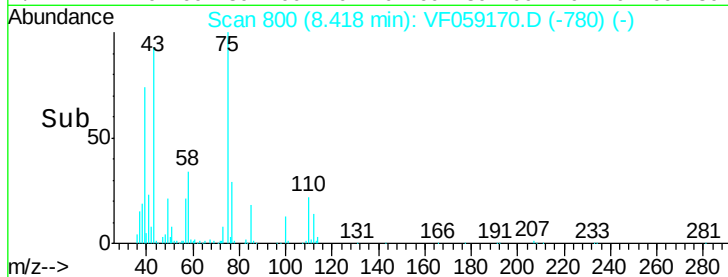
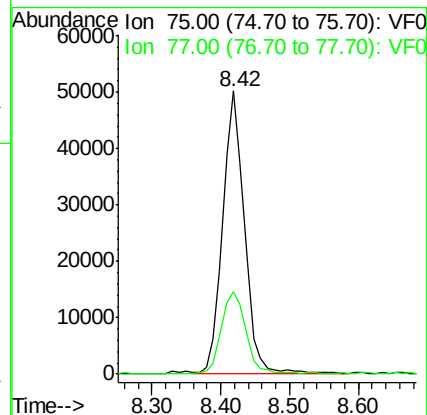
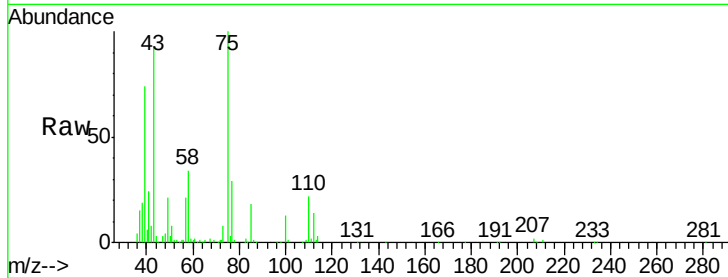
VF0618SBS01

Tgt Ion: 75 Resp: 110892

Ion Ratio Lower Upper

75 100

77 29.3 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 21.280 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

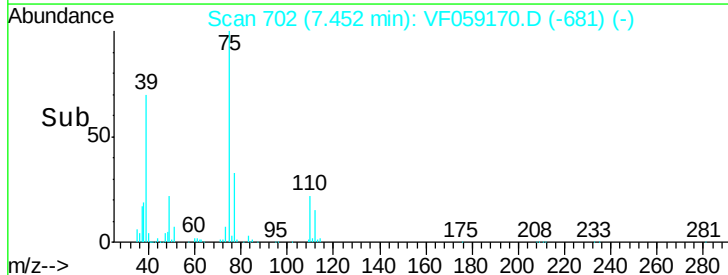
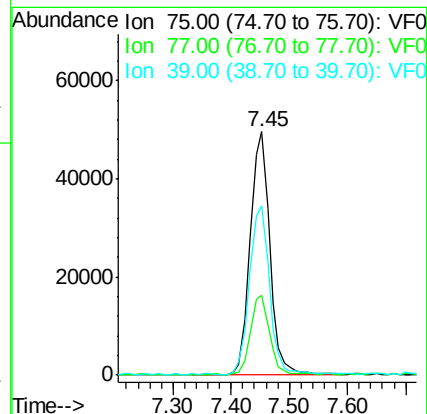
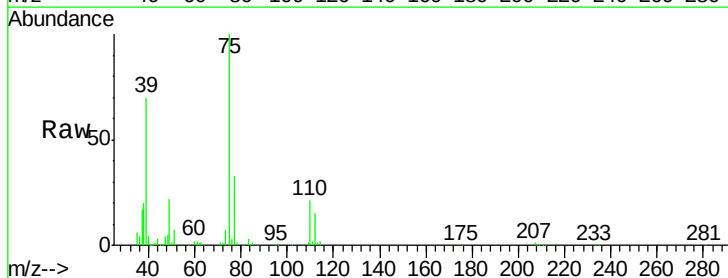
Tgt Ion: 75 Resp: 118044

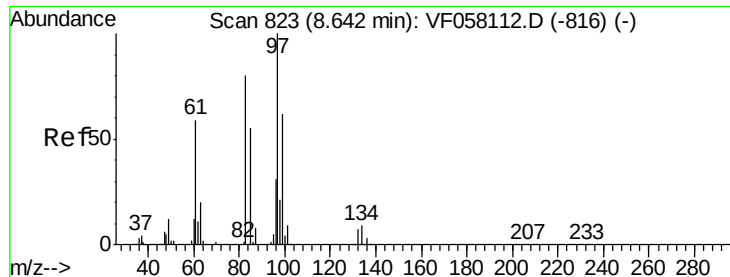
Ion Ratio Lower Upper

75 100

77 33.0 26.3 39.5

39 69.7 52.1 78.1





#55

1,1,2-Trichloroethane

Concen: 21.571 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

Tgt Ion: 97 Resp: 56884

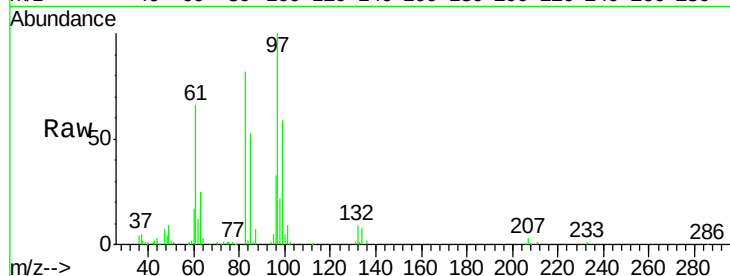
Ion Ratio Lower Upper

97 100

83 82.5 64.3 96.5

85 52.6 43.8 65.8

99 59.0 49.8 74.8

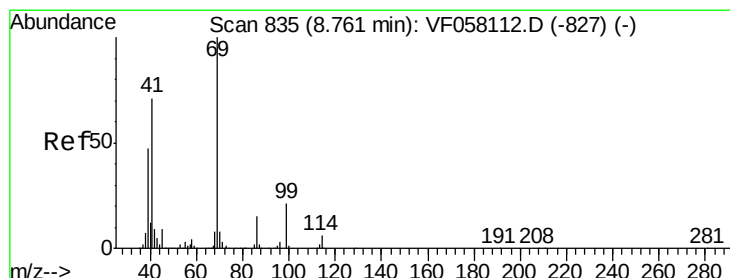
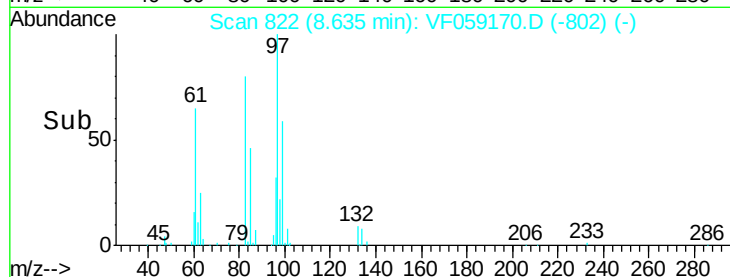
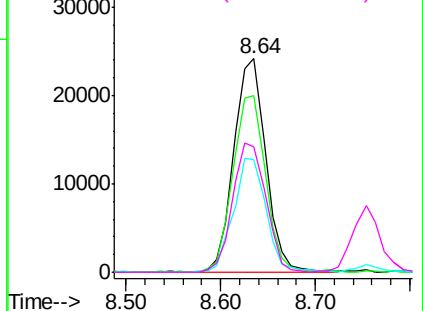


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 20.614 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

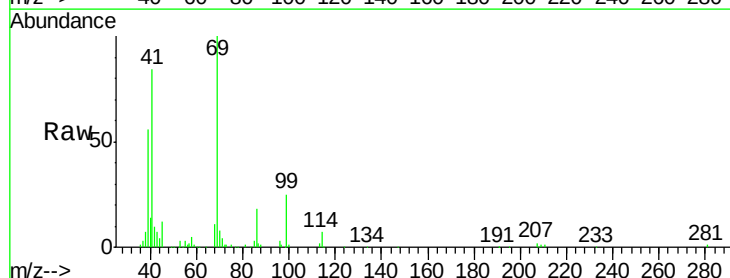
Tgt Ion: 69 Resp: 68519

Ion Ratio Lower Upper

69 100

41 84.0 56.9 85.3

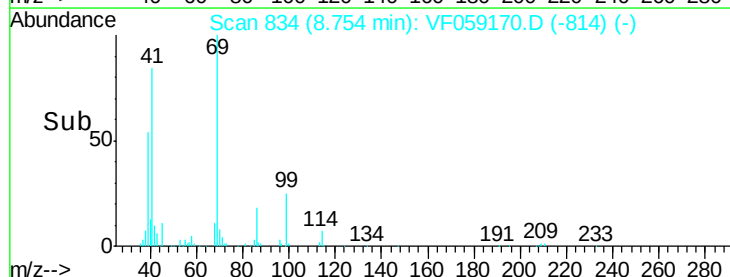
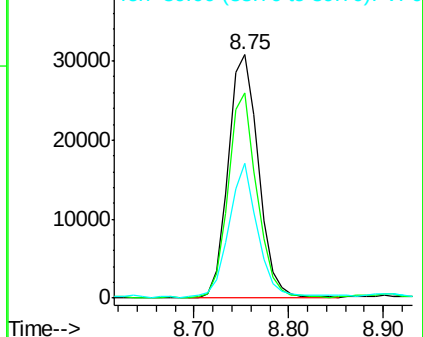
39 55.5 38.0 57.0

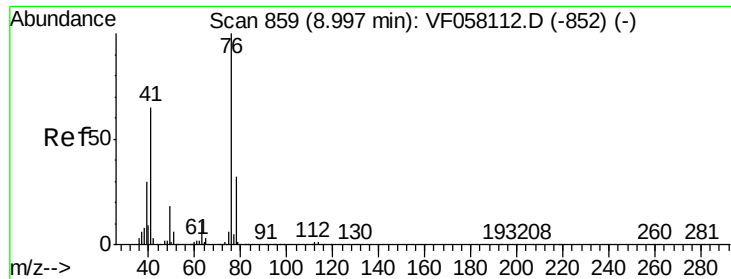


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

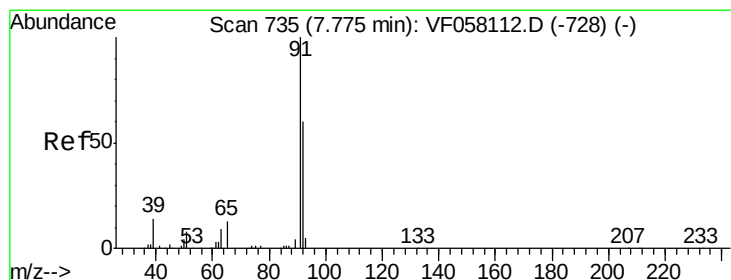
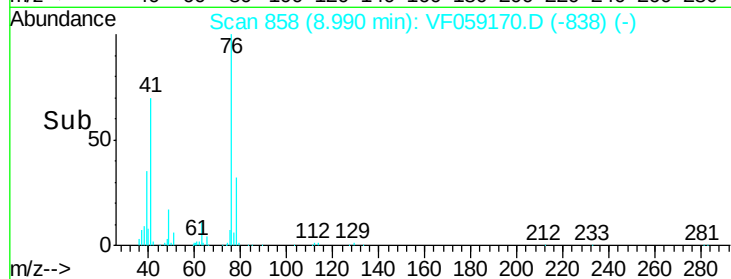
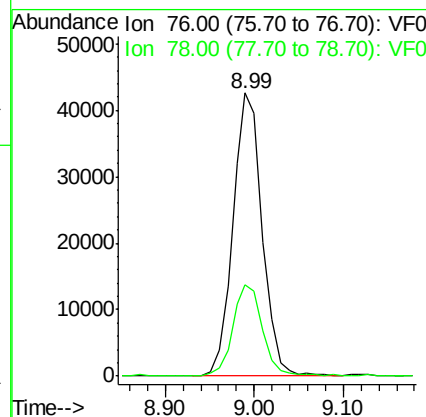
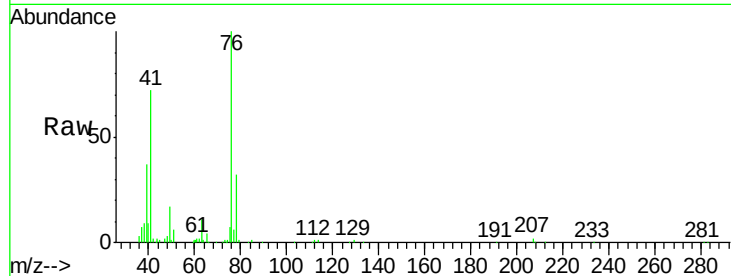




#57
 1,3-Dichloropropane
 Concen: 21.709 ug/l
 RT: 8.99 min Scan# 858
 Delta R.T. -0.01 min
 Lab File: VF059170.D
 Acq: 18 Jun 2018 12:42

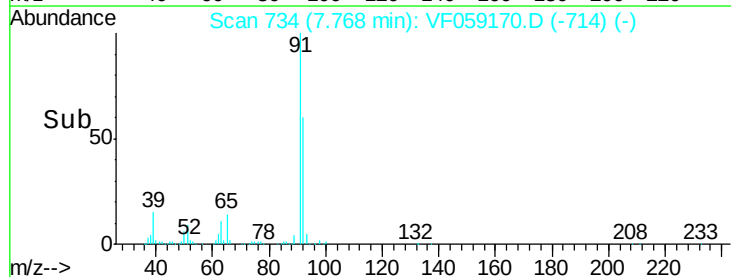
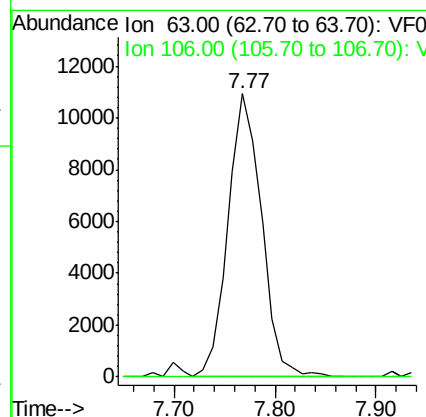
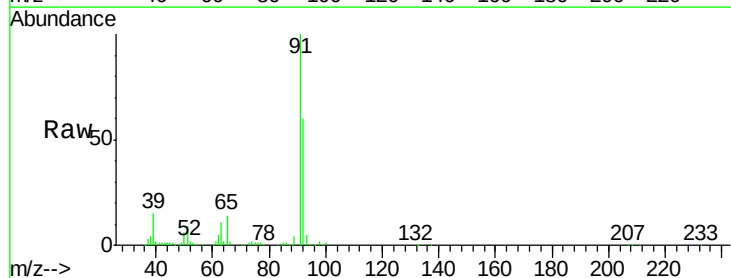
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0618SBS01

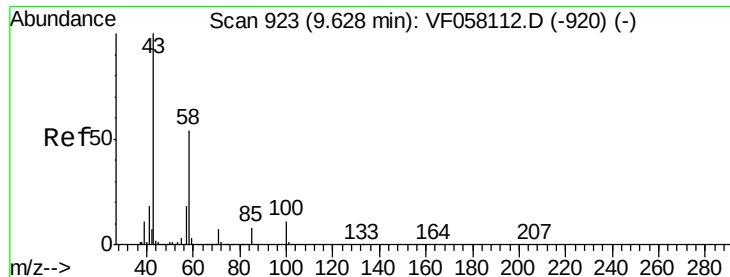
Tgt Ion: 76 Resp: 97928
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.241 ug/l
 RT: 7.77 min Scan# 734
 Delta R.T. -0.01 min
 Lab File: VF059170.D
 Acq: 18 Jun 2018 12:42

Tgt Ion: 63 Resp: 25251
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

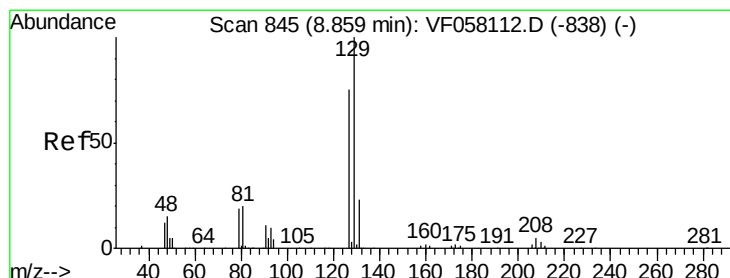
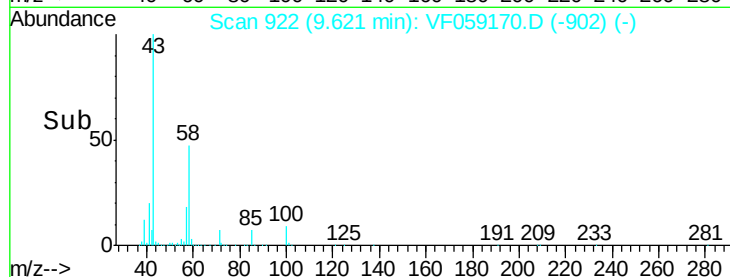
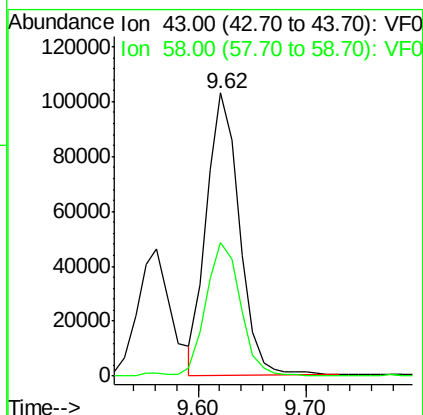
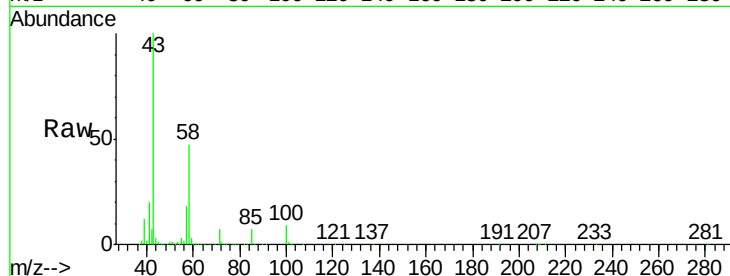




#59
2-Hexanone
Concen: 111.120 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059170.D
Acq: 18 Jun 2018 12:42

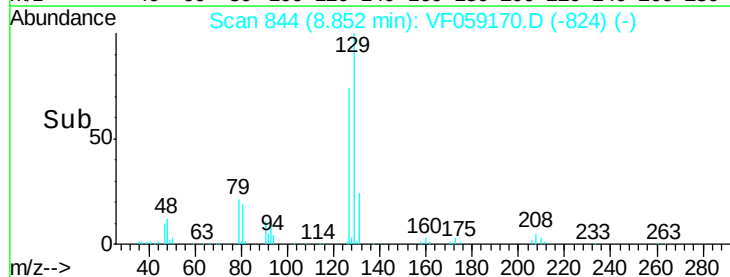
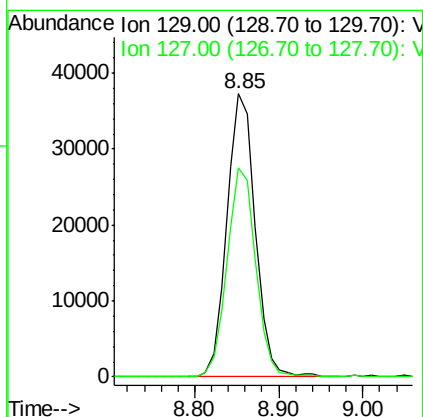
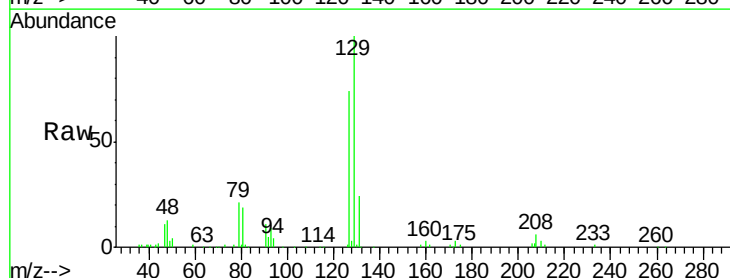
Instrument :
MSVOA_F
ClientSampleId :
VF0618SBS01

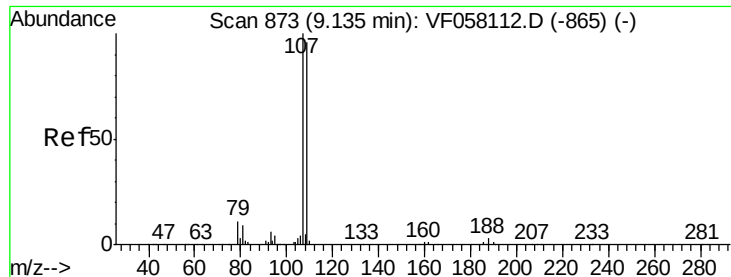
Tgt Ion: 43 Resp: 216993
Ion Ratio Lower Upper
43 100
58 47.1 26.3 78.8



#60
Dibromochloromethane
Concen: 23.027 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.01 min
Lab File: VF059170.D
Acq: 18 Jun 2018 12:42

Tgt Ion: 129 Resp: 87259
Ion Ratio Lower Upper
129 100
127 73.7 37.6 112.9





#61

1,2-Dibromoethane

Concen: 21.037 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

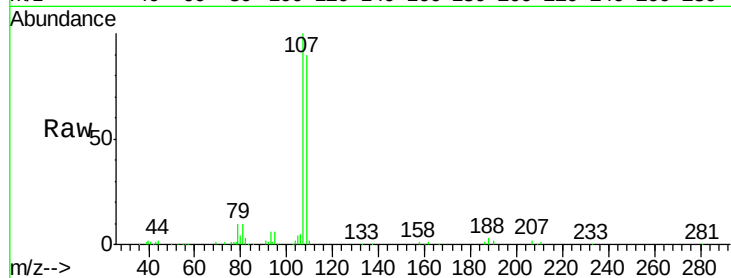
VF0618SBS01

Tgt Ion: 107 Resp: 64460

Ion Ratio Lower Upper

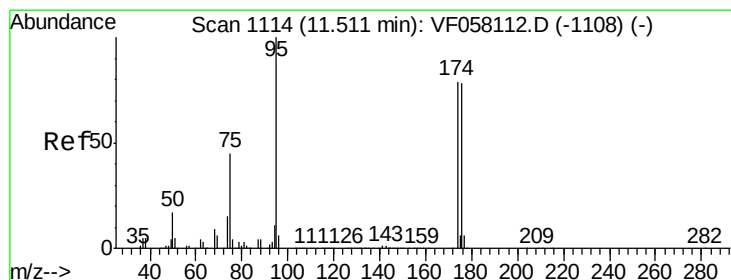
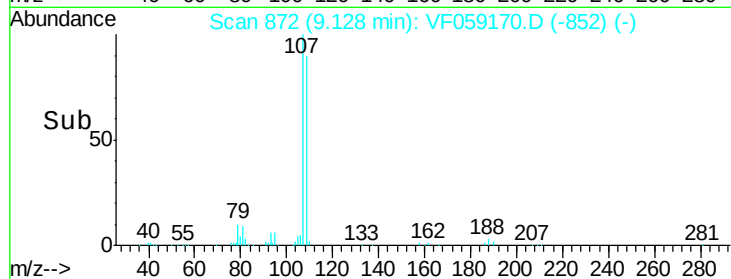
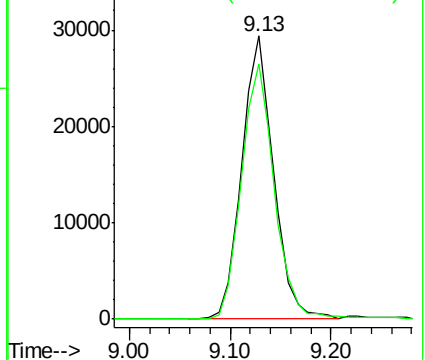
107 100

109 90.1 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.480 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

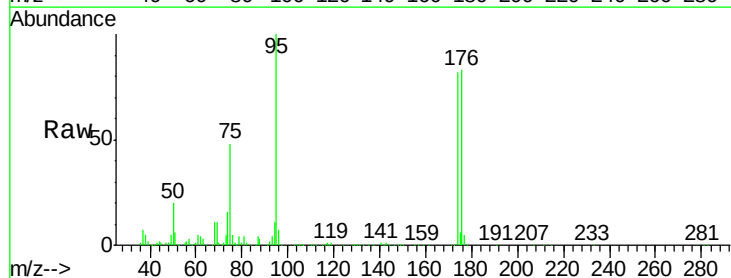
Tgt Ion: 95 Resp: 230182

Ion Ratio Lower Upper

95 100

174 81.9 0.0 157.8

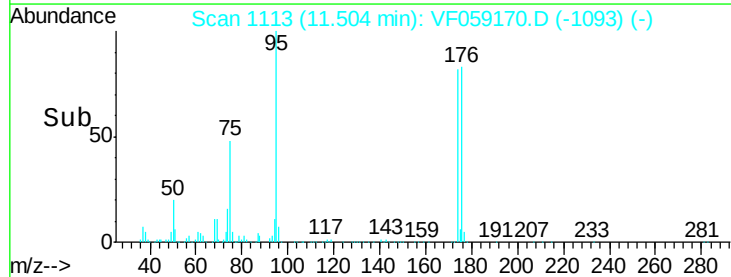
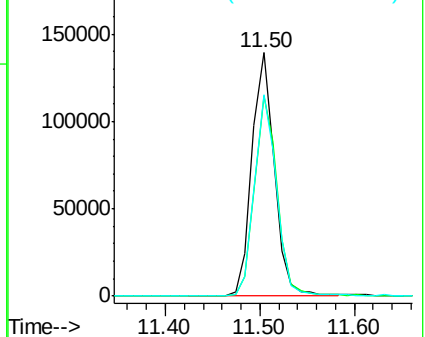
176 82.7 0.0 155.8

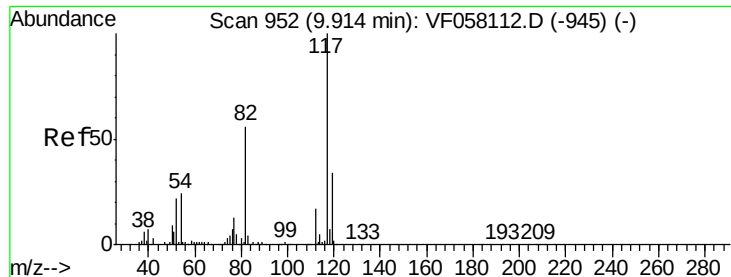


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

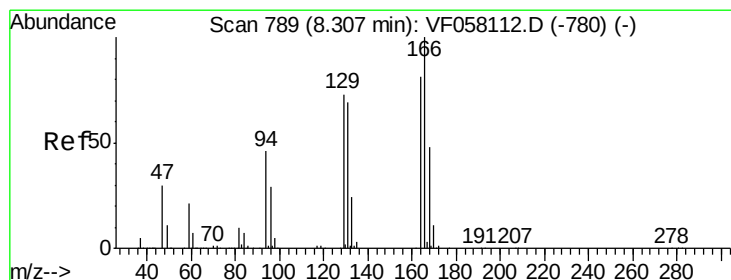
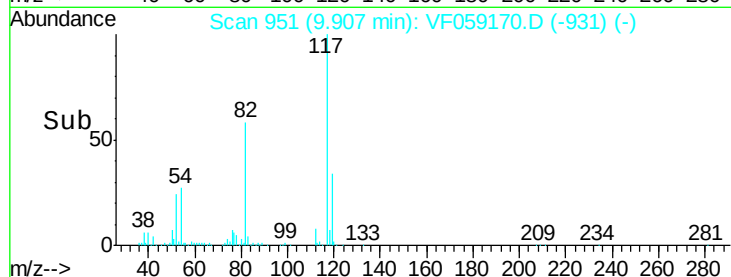
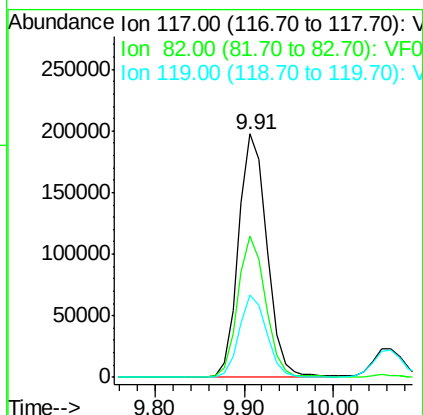
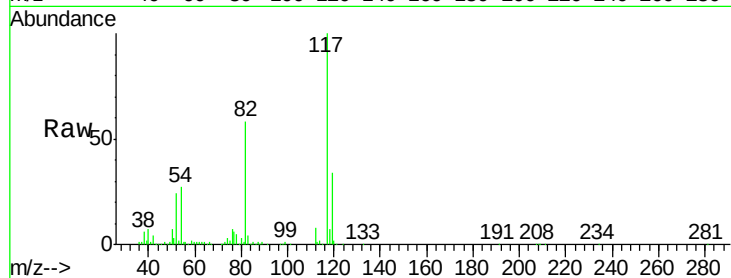




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059170.D
Acq: 18 Jun 2018 12:42

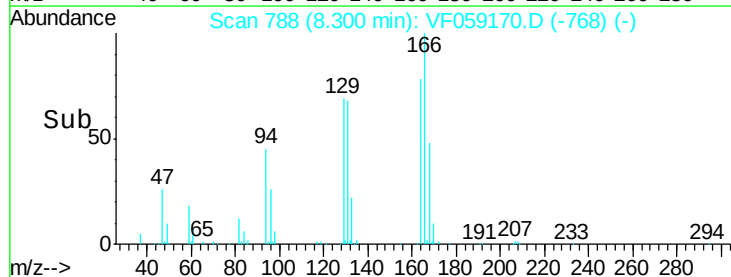
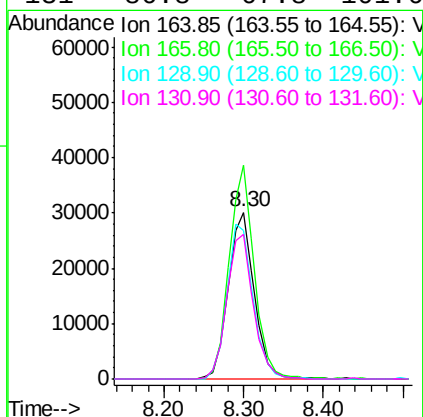
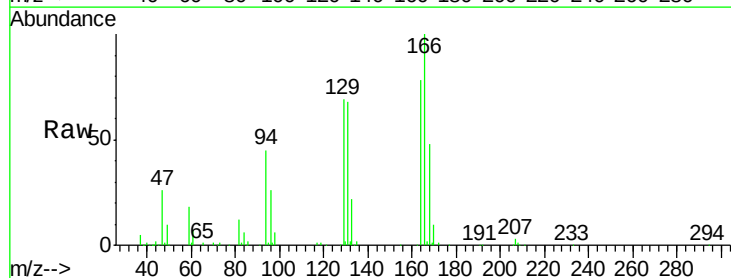
Instrument :
MSVOA_F
ClientSampleId :
VF0618SBS01

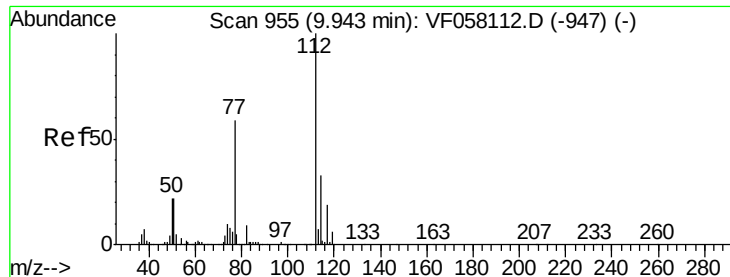
Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.8	45.2	67.8
119	33.8	27.5	41.3



#64
Tetrachloroethene
Concen: 21.342 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059170.D
Acq: 18 Jun 2018 12:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	98.2	147.4
129	88.9	71.6	107.4
131	86.8	67.8	101.6





#65

Chlorobenzene

Concen: 21.163 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

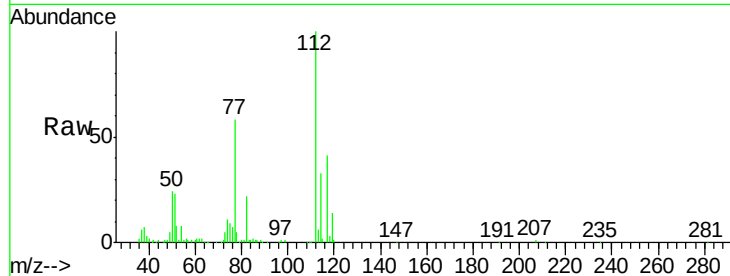
VF0618SBS01

Tgt Ion:112 Resp: 183613

Ion Ratio Lower Upper

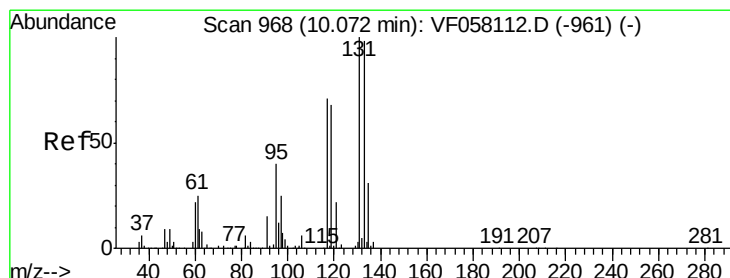
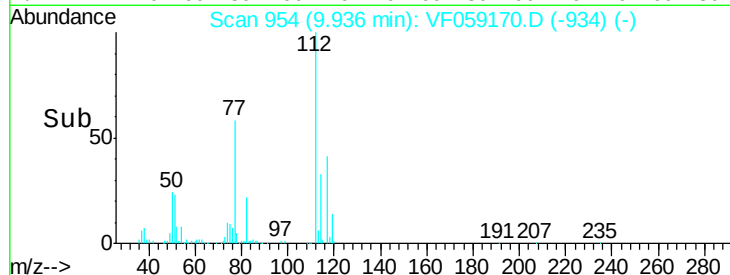
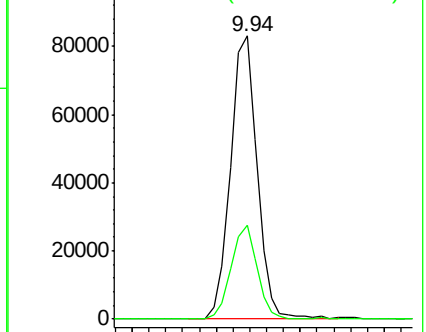
112 100

114 33.1 26.2 39.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.883 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

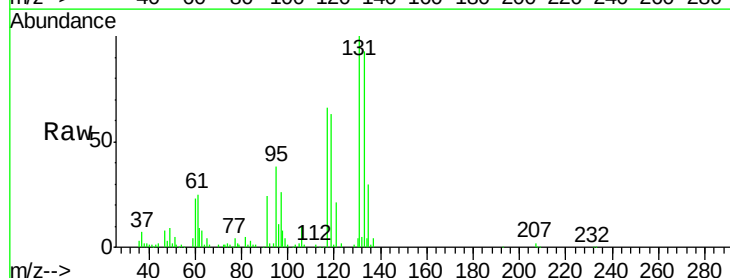
Tgt Ion:131 Resp: 78976

Ion Ratio Lower Upper

131 100

133 93.5 49.1 147.4

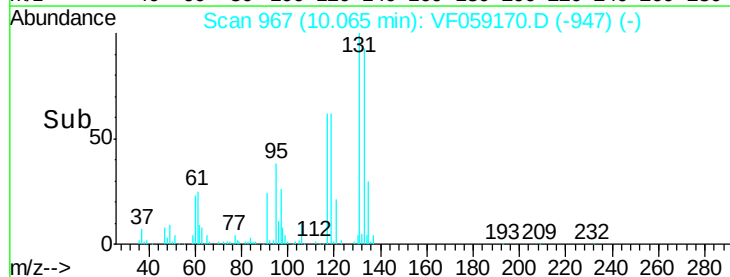
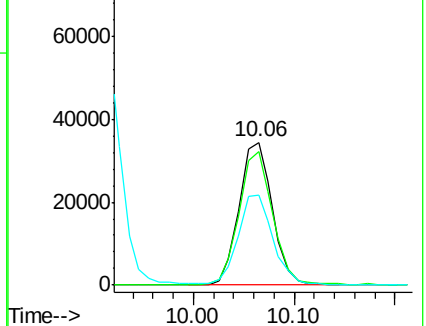
119 63.0 34.3 102.8

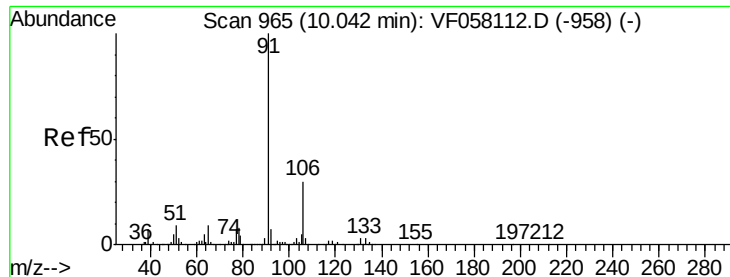


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 21.080 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

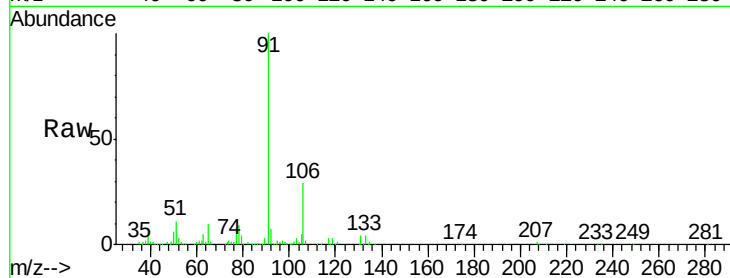
VF0618SBS01

Tgt Ion: 91 Resp: 317794

Ion Ratio Lower Upper

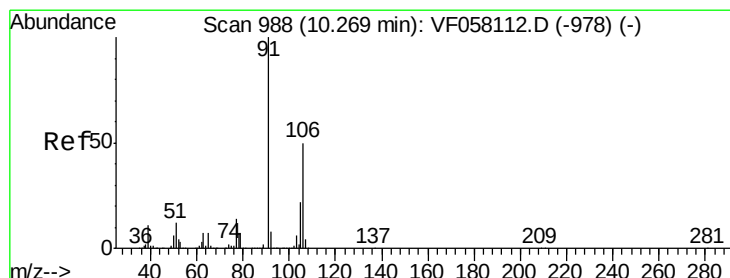
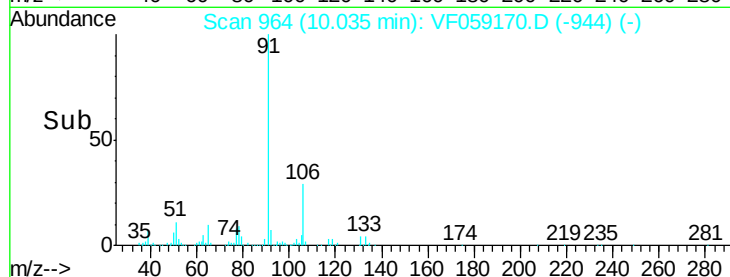
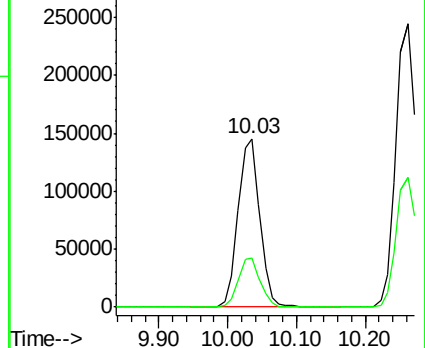
91 100

106 29.1 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 42.196 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059170.D

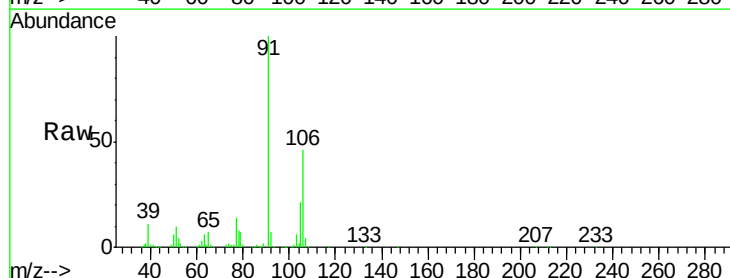
Acq: 18 Jun 2018 12:42

Tgt Ion: 106 Resp: 238169

Ion Ratio Lower Upper

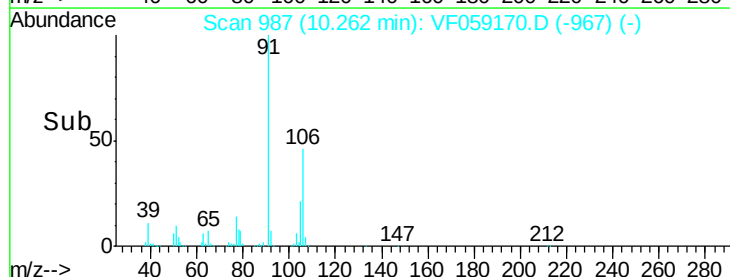
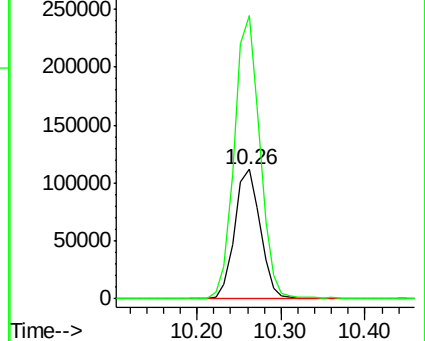
106 100

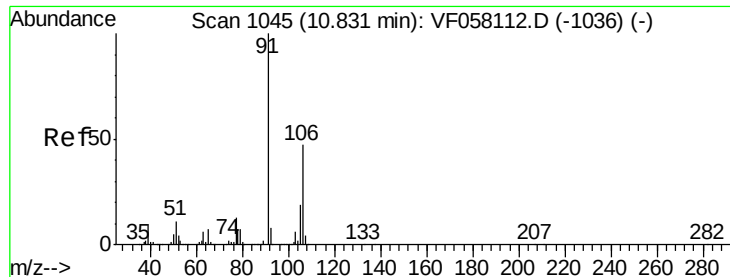
91 218.3 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

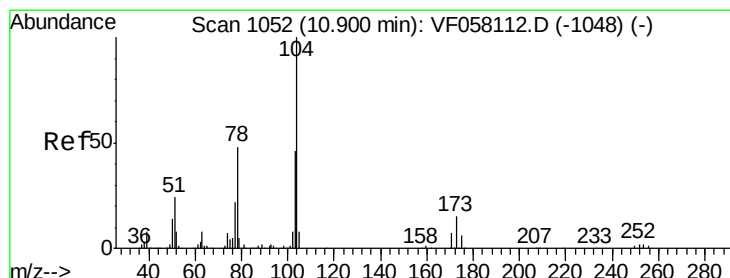
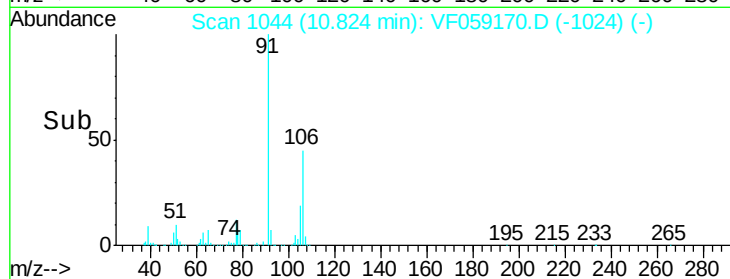
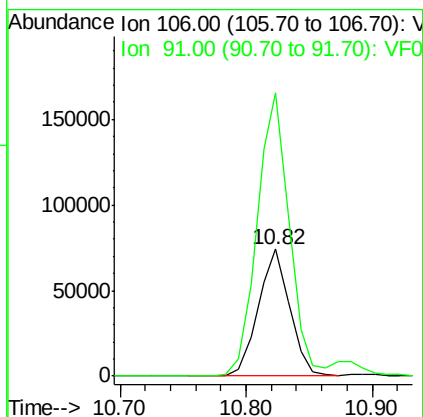
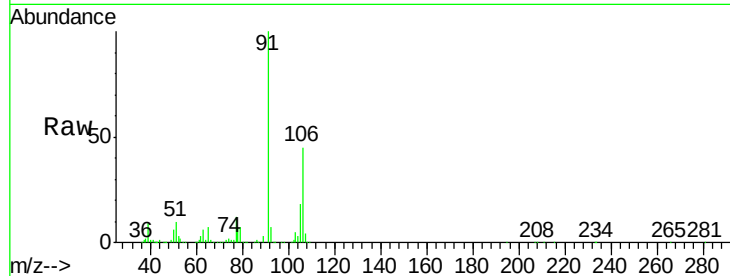




#69
o-Xylene
Concen: 21.191 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059170.D
Acq: 18 Jun 2018 12:42

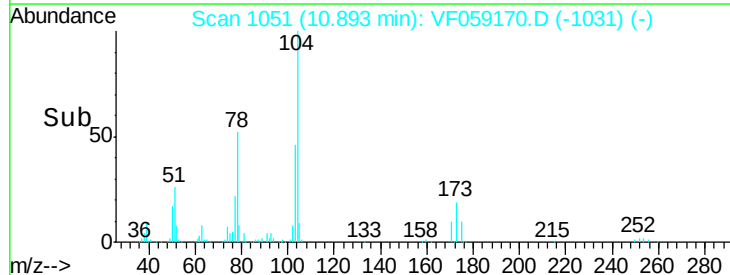
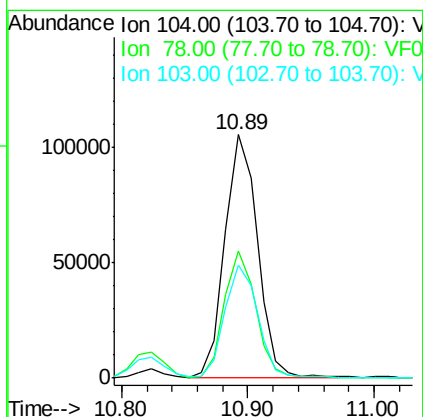
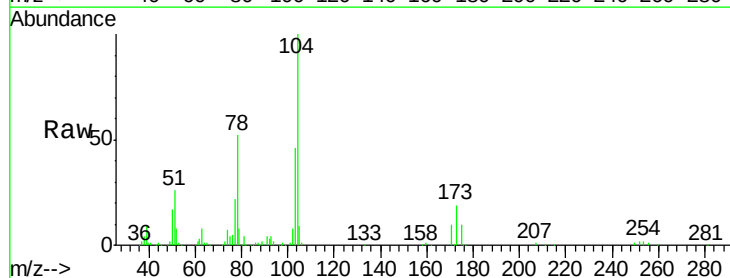
Instrument :
MSVOA_F
ClientSampleId :
VF0618SBS01

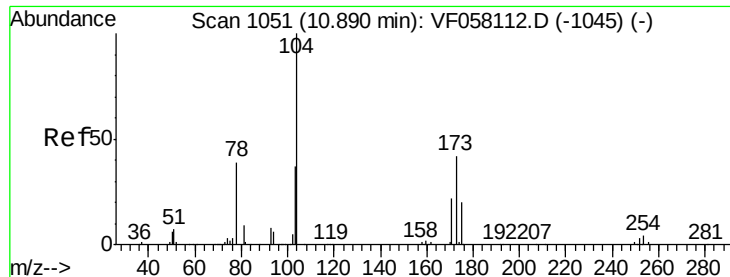
Tgt Ion:106 Resp: 129268
Ion Ratio Lower Upper
106 100
91 222.6 107.0 321.0



#70
Styrene
Concen: 20.472 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF059170.D
Acq: 18 Jun 2018 12:42

Tgt Ion:104 Resp: 188950
Ion Ratio Lower Upper
104 100
78 52.2 38.4 57.6
103 46.2 37.0 55.6





#71

Bromoform

Concen: 23.501 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

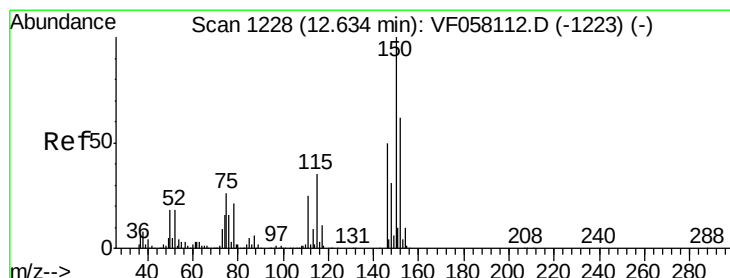
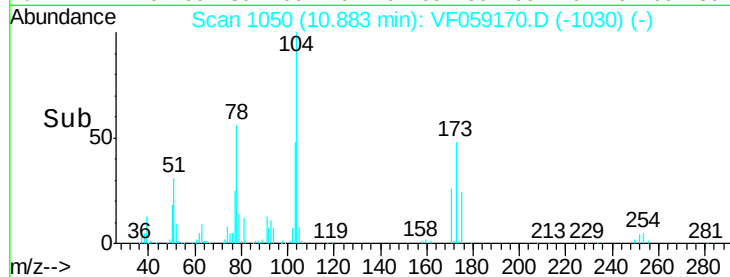
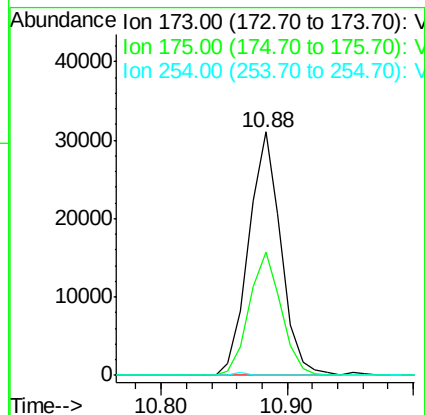
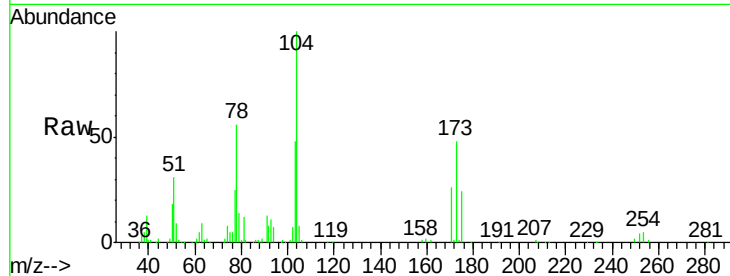
Tgt Ion:173 Resp: 55084

Ion Ratio Lower Upper

173 100

175 50.8 24.6 74.0

254 0.0 7.8 11.8#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

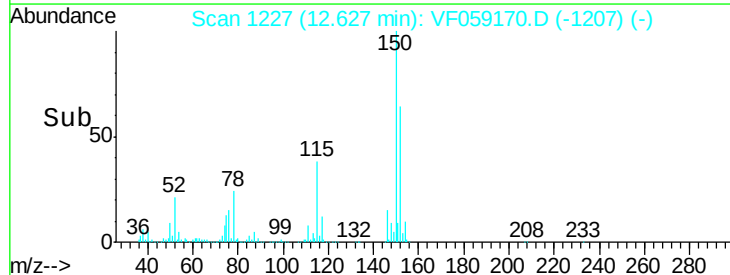
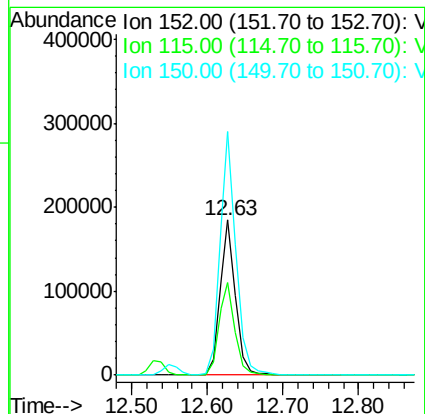
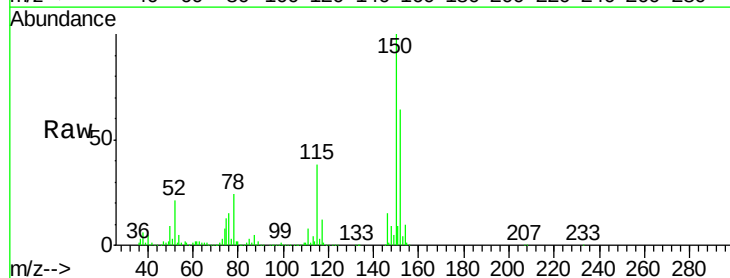
Tgt Ion:152 Resp: 266003

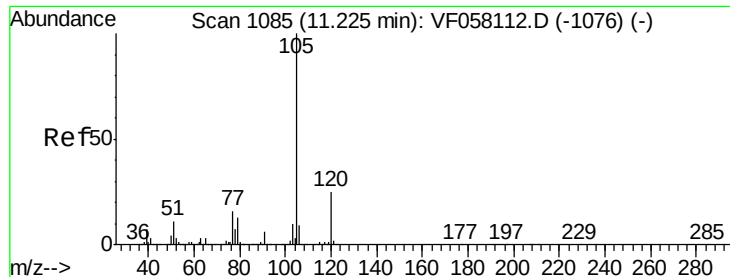
Ion Ratio Lower Upper

152 100

115 59.5 28.5 85.5

150 157.1 0.0 323.8





#73

Isopropylbenzene

Concen: 20.418 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

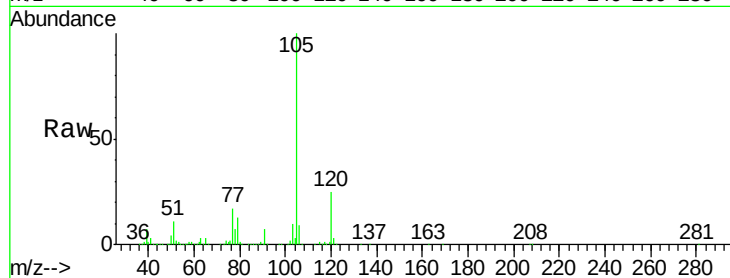
VF0618SBS01

Tgt Ion: 105 Resp: 376035

Ion Ratio Lower Upper

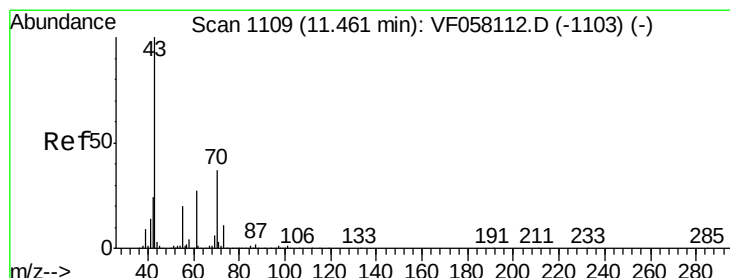
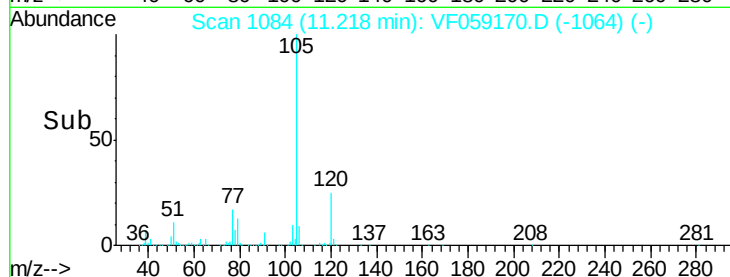
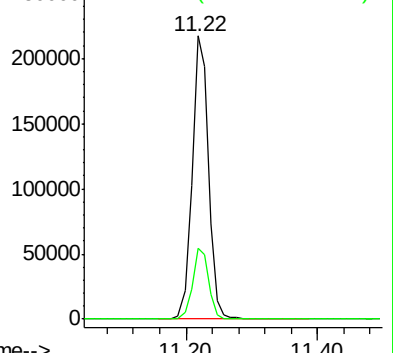
105 100

120 25.2 12.7 38.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.936 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Tgt Ion: 43 Resp: 137728

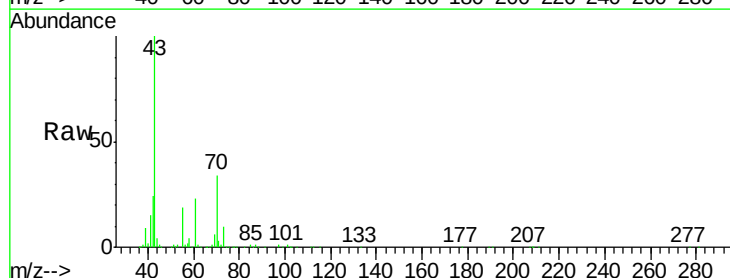
Ion Ratio Lower Upper

43 100

70 34.0 29.2 43.8

55 19.1 15.8 23.6

61 23.4 21.3 31.9

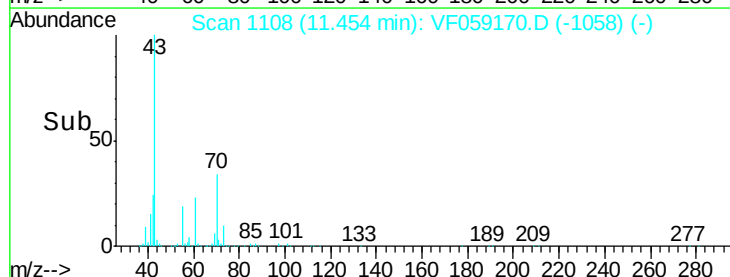
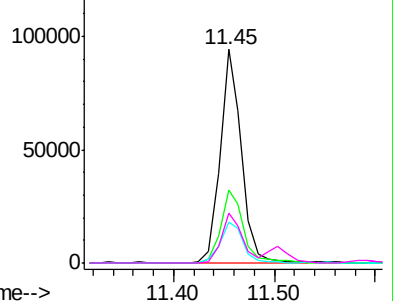


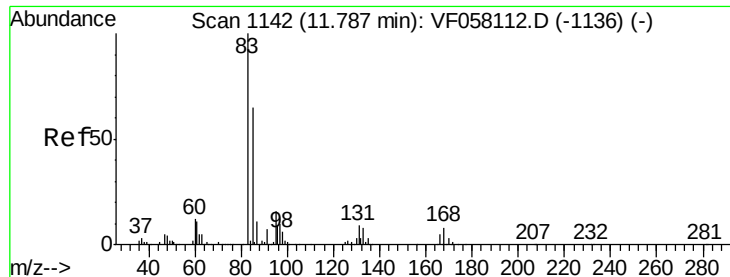
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 19.658 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

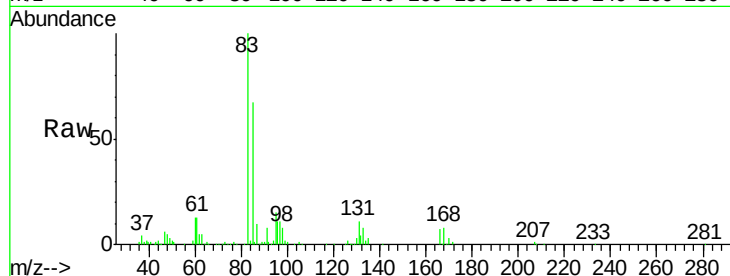
Tgt Ion: 83 Resp: 85831

Ion Ratio Lower Upper

83 100

131 10.7 4.5 13.7

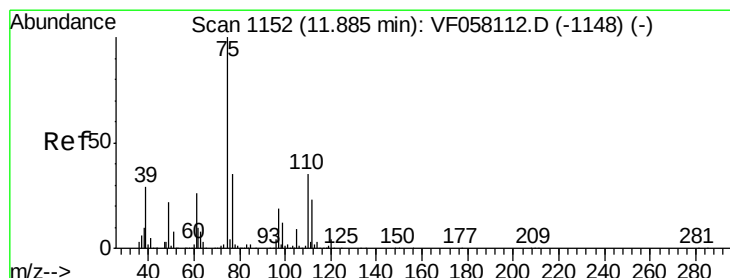
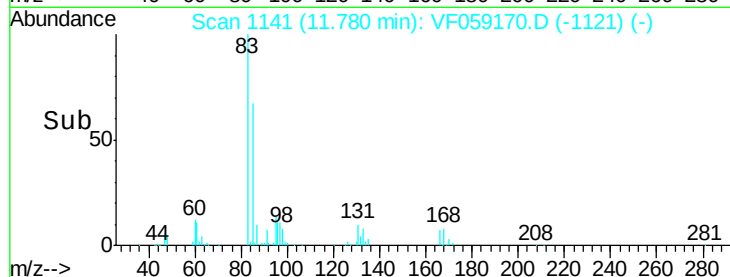
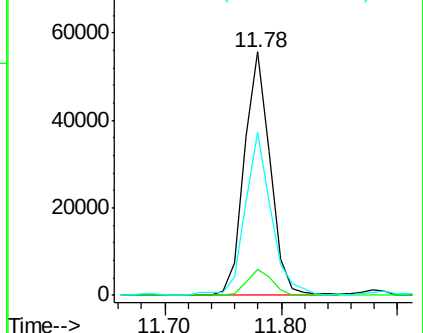
85 66.8 32.8 98.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 20.352 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF059170.D

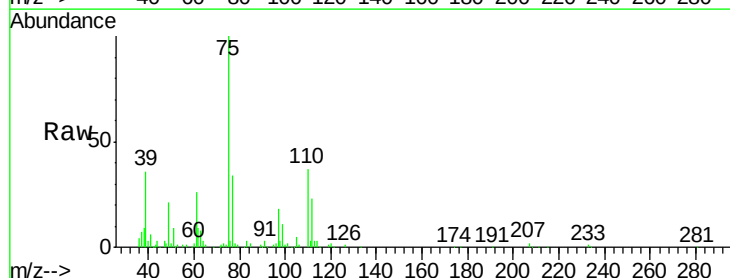
Acq: 18 Jun 2018 12:42

Tgt Ion: 75 Resp: 65628

Ion Ratio Lower Upper

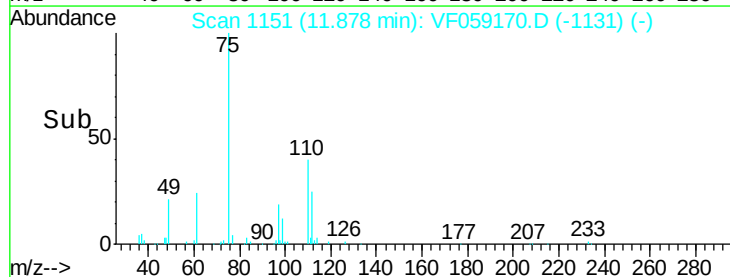
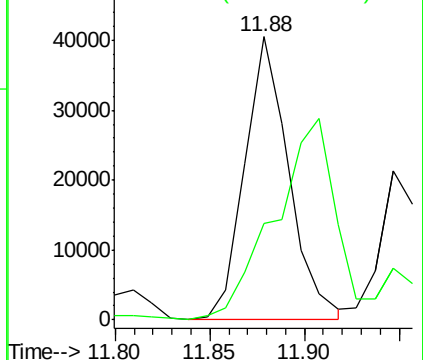
75 100

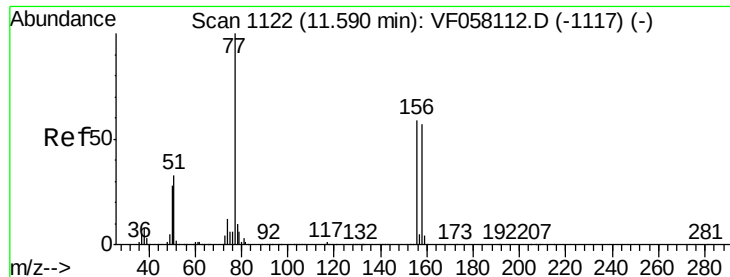
77 34.3 17.5 52.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.611 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

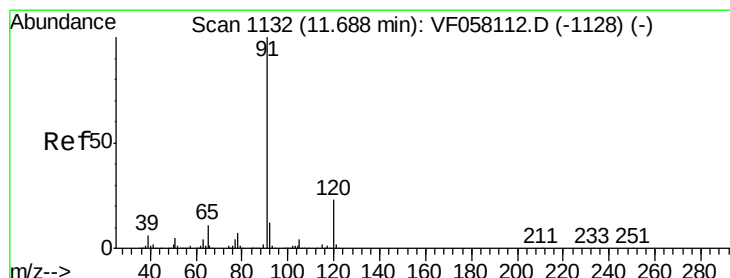
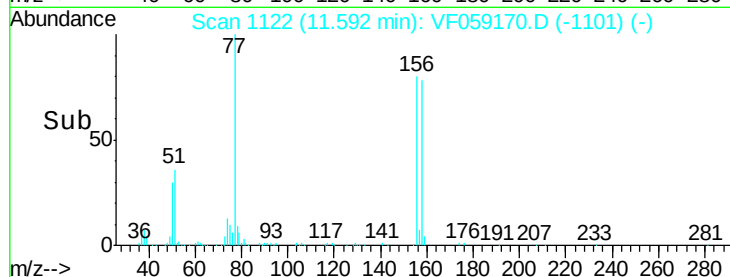
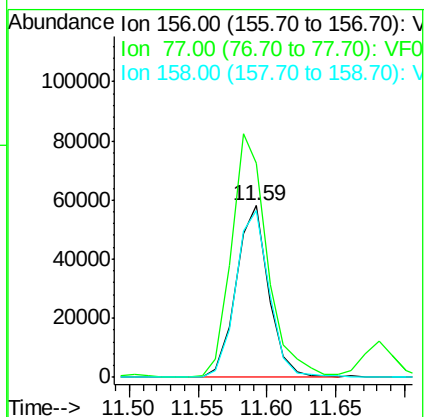
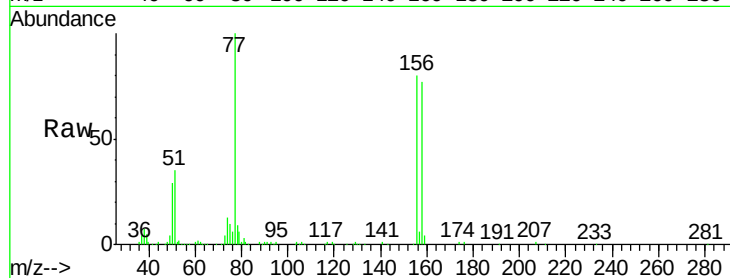
Tgt Ion:156 Resp: 95532

Ion Ratio Lower Upper

156 100

77 125.3 84.8 254.4

158 97.1 47.9 143.7



#78

n-propylbenzene

Concen: 19.508 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF059170.D

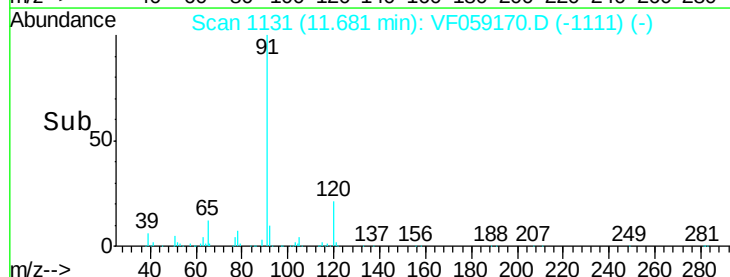
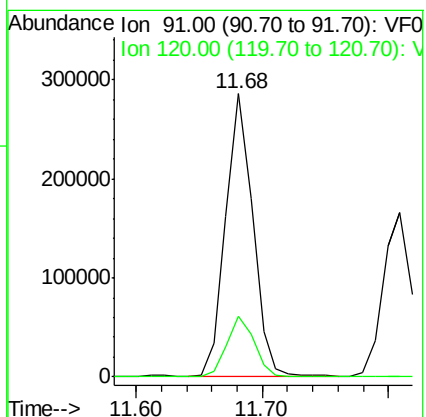
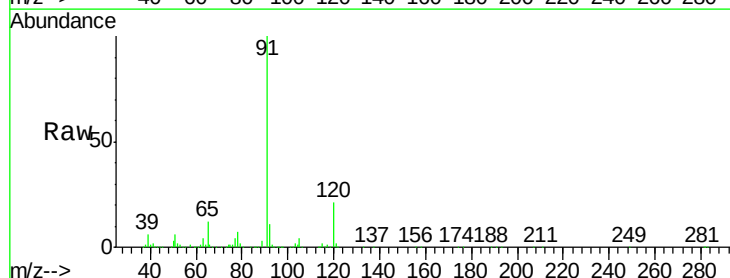
Acq: 18 Jun 2018 12:42

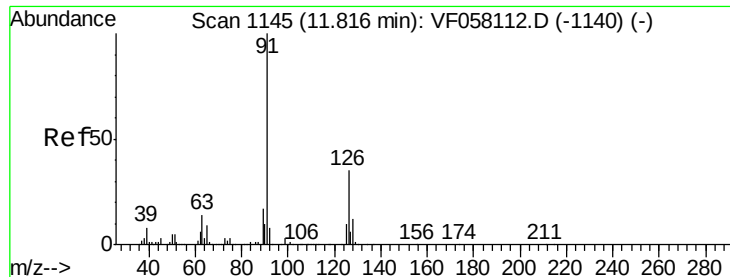
Tgt Ion: 91 Resp: 425242

Ion Ratio Lower Upper

91 100

120 21.4 11.5 34.5





#79

2-Chlorotoluene

Concen: 20.189 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

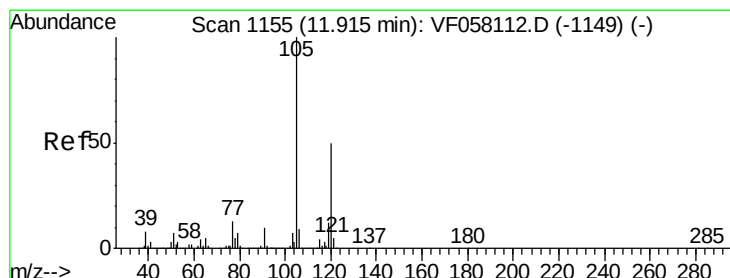
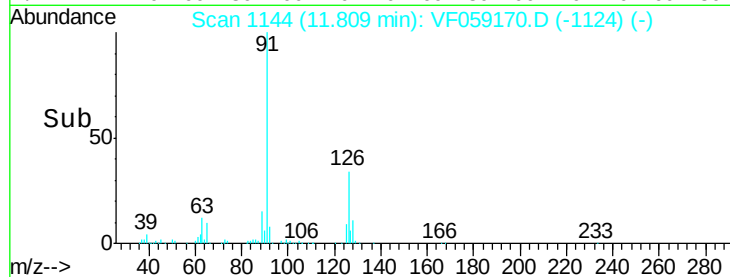
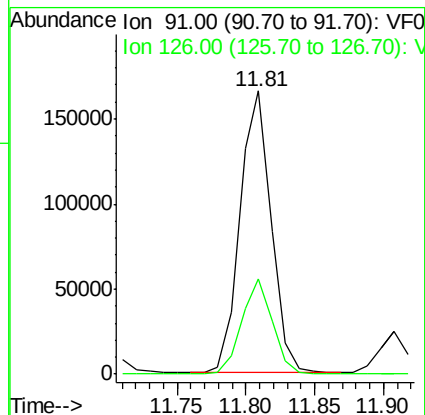
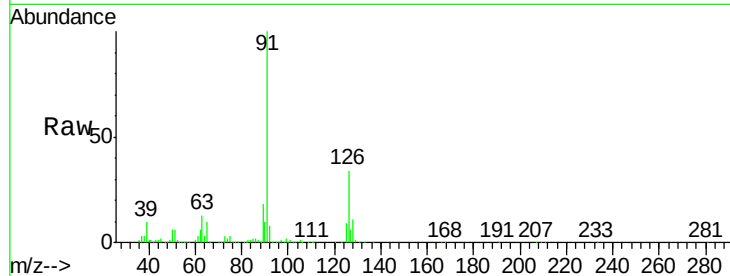
VF0618SBS01

Tgt Ion: 91 Resp: 259989

Ion Ratio Lower Upper

91 100

126 33.6 17.6 52.9



#80

1,3,5-Trimethylbenzene

Concen: 21.137 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059170.D

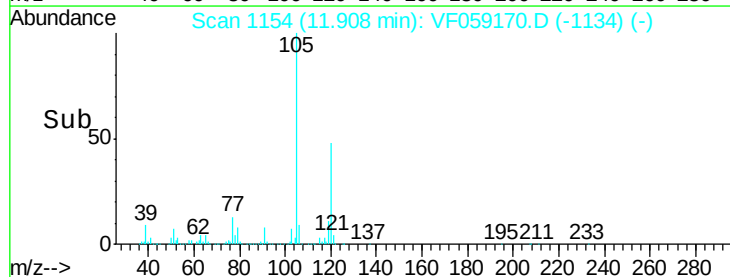
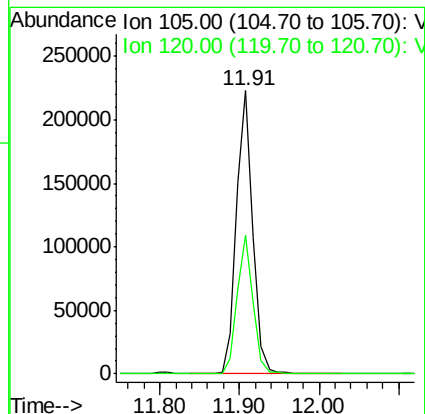
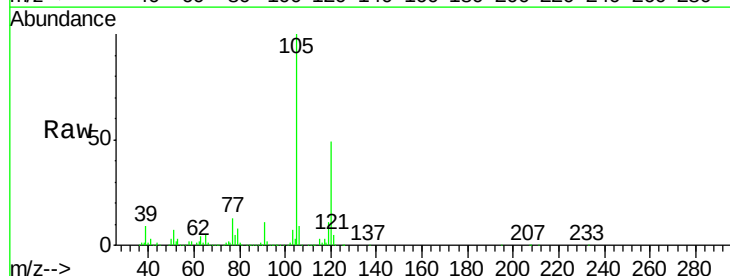
Acq: 18 Jun 2018 12:42

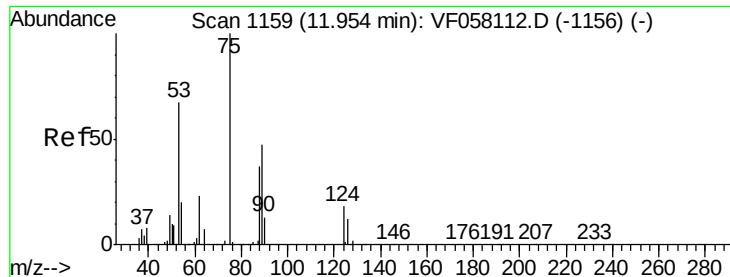
Tgt Ion: 105 Resp: 322186

Ion Ratio Lower Upper

105 100

120 49.1 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.710 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

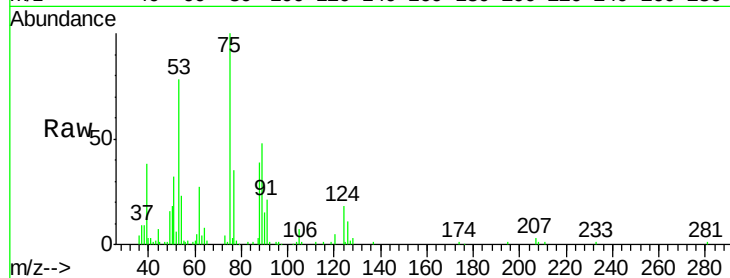
Tgt Ion: 75 Resp: 41208

Ion Ratio Lower Upper

75 100

53 77.9 58.7 88.1

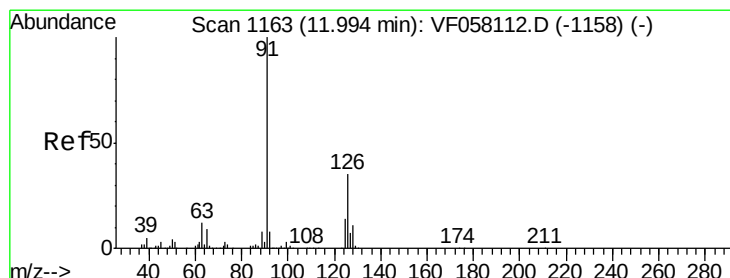
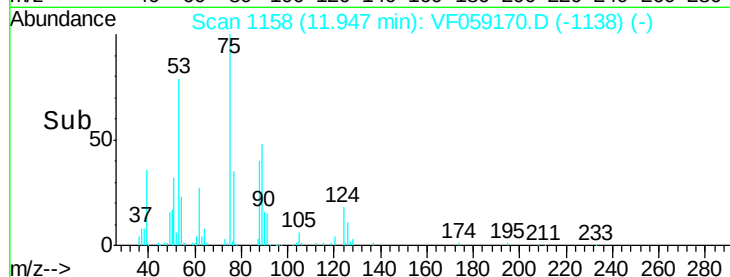
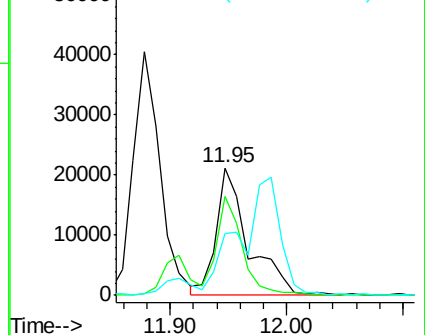
89 48.2 39.8 59.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 20.490 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VF059170.D

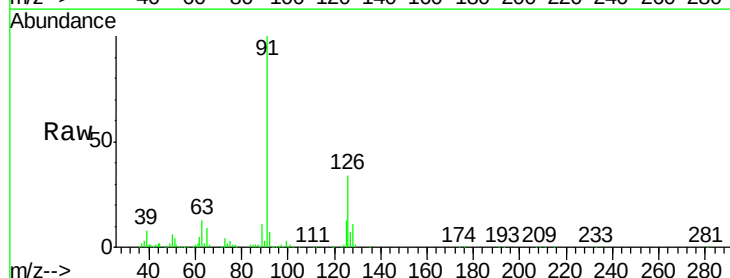
Acq: 18 Jun 2018 12:42

Tgt Ion: 91 Resp: 280919

Ion Ratio Lower Upper

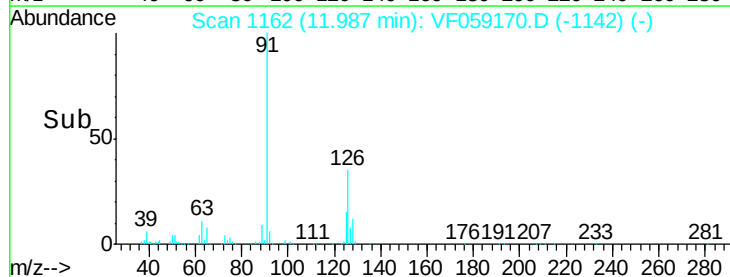
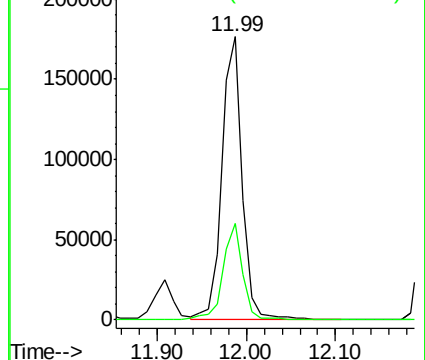
91 100

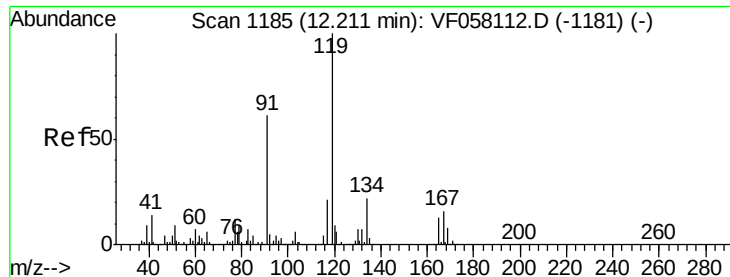
126 34.1 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 21.143 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

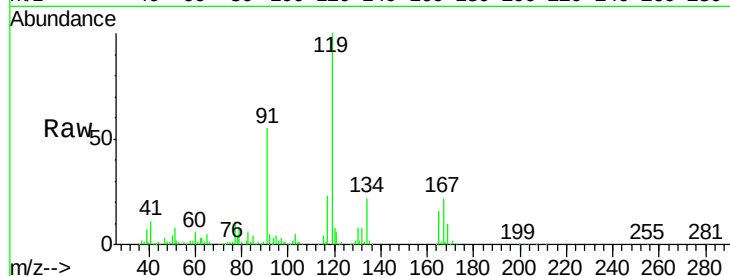
Tgt Ion:119 Resp: 319996

Ion Ratio Lower Upper

119 100

91 55.0 30.4 91.3

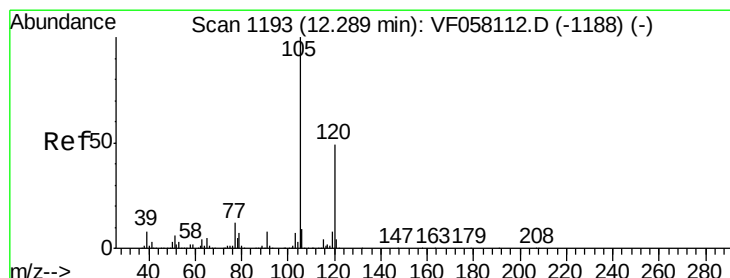
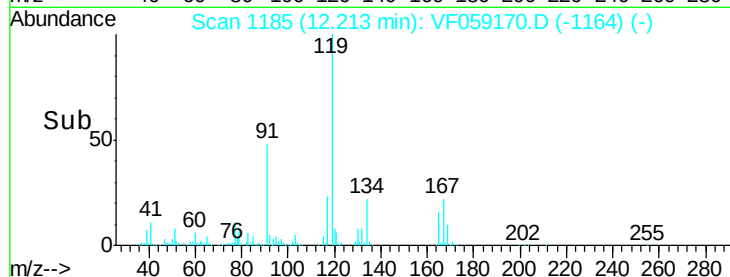
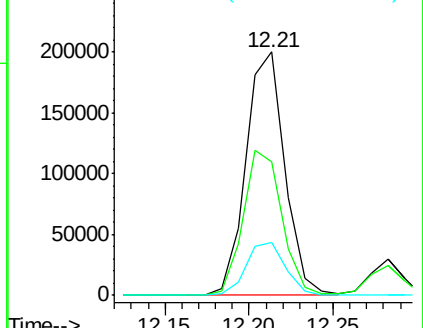
134 21.9 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.872 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF059170.D

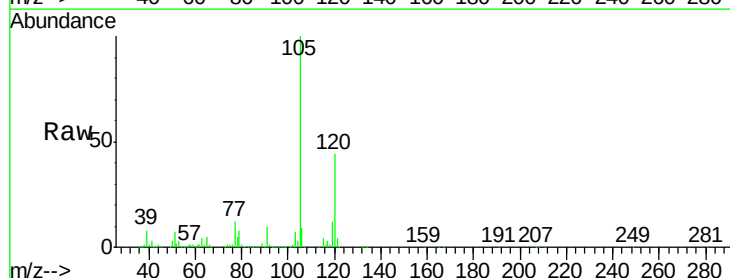
Acq: 18 Jun 2018 12:42

Tgt Ion:105 Resp: 329642

Ion Ratio Lower Upper

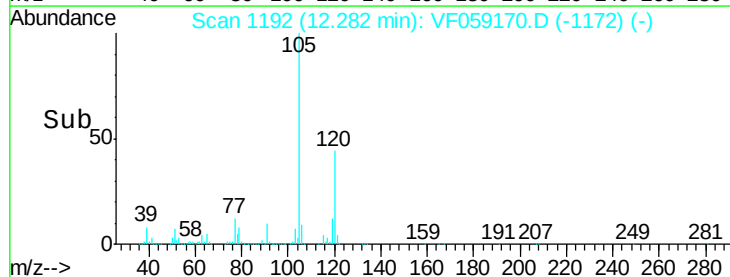
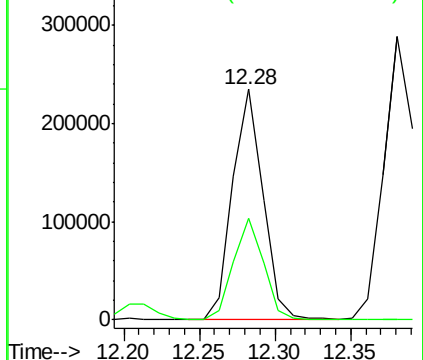
105 100

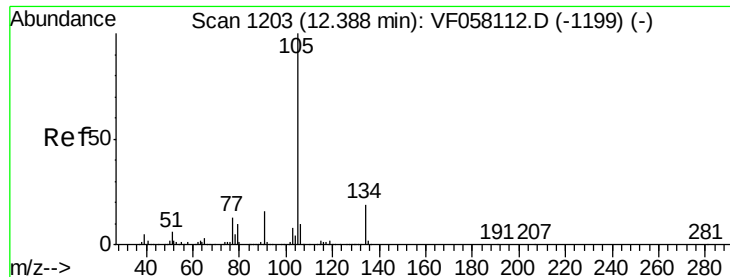
120 44.2 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.322 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

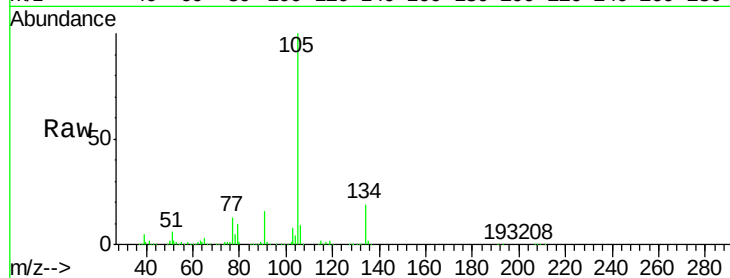
VF0618SBS01

Tgt Ion:105 Resp: 417939

Ion Ratio Lower Upper

105 100

134 19.2 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.38

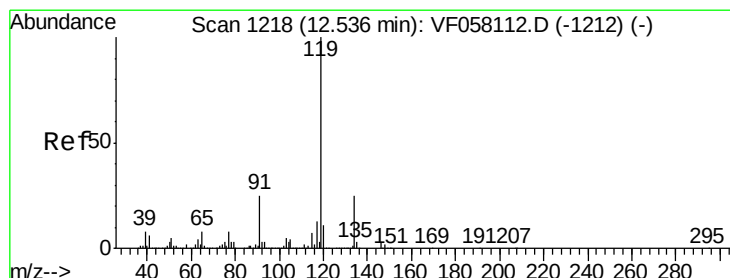
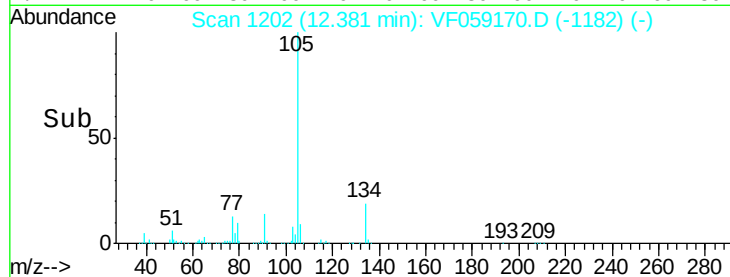
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.817 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

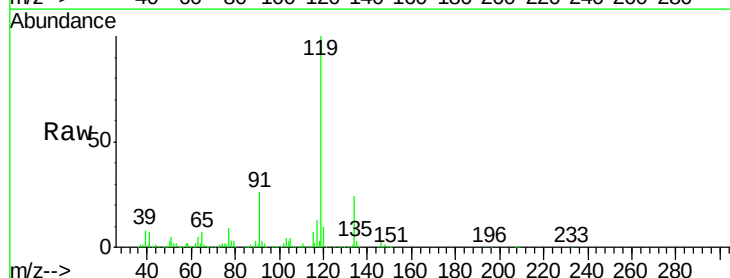
Tgt Ion:119 Resp: 368515

Ion Ratio Lower Upper

119 100

134 23.7 12.7 38.0

91 25.7 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

12.53

300000

250000

200000

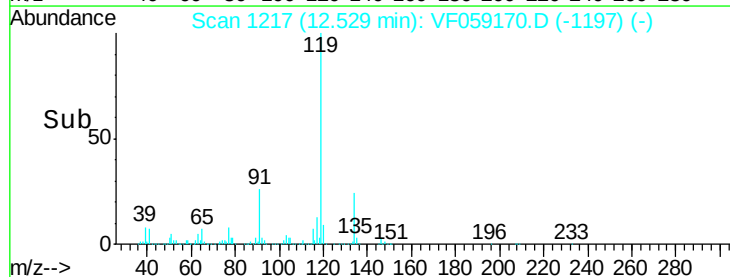
150000

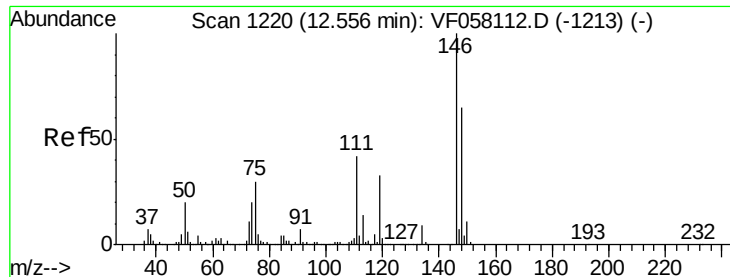
100000

50000

0

Time-->

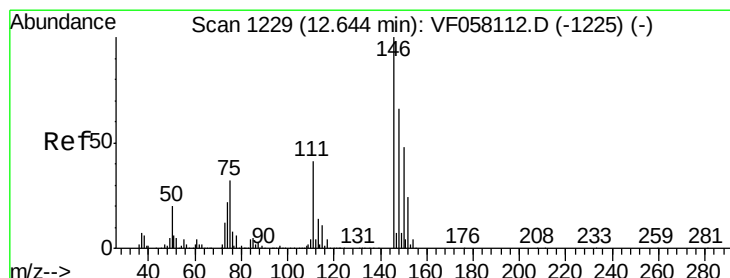
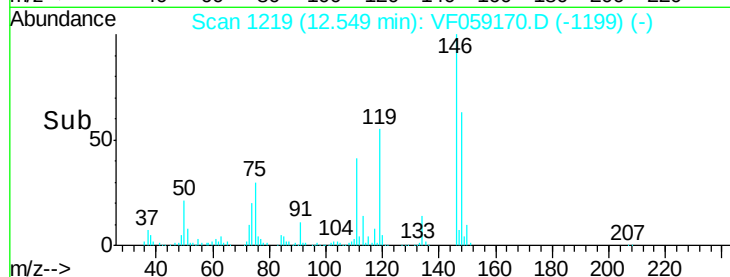
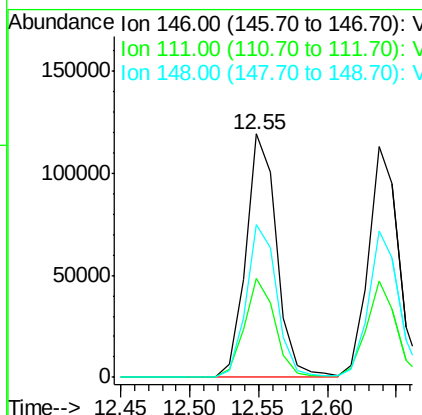
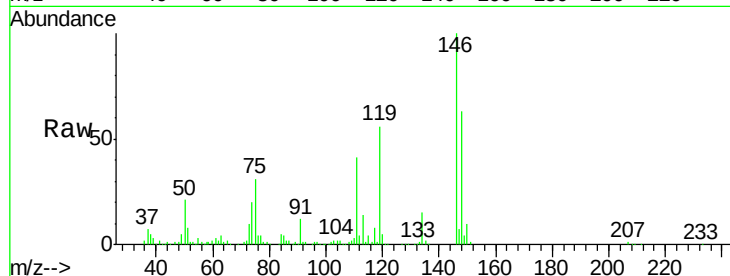




#87
 1,3-Dichlorobenzene
 Concen: 21.755 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF059170.D
 Acq: 18 Jun 2018 12:42

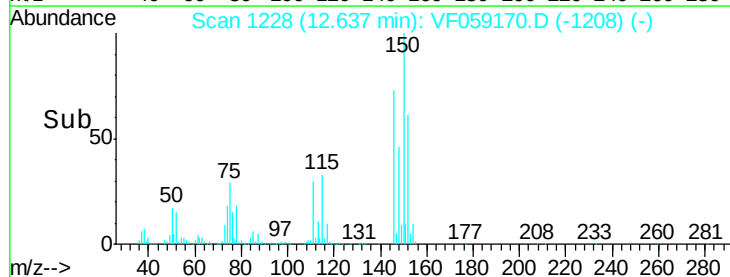
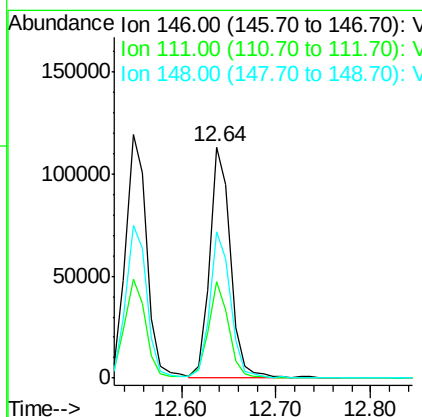
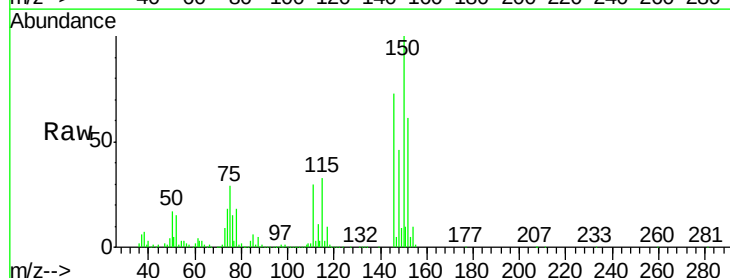
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0618SBS01

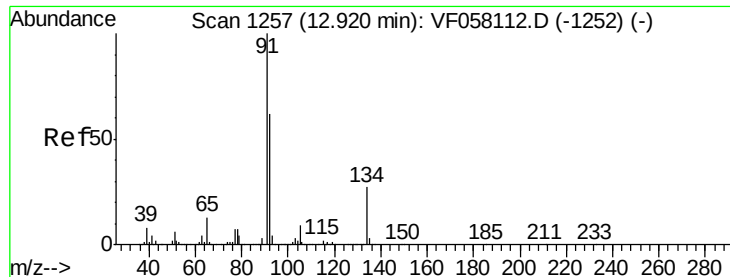
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.8	62.5
148	62.6	32.3	96.9



#88
 1,4-Dichlorobenzene
 Concen: 21.254 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VF059170.D
 Acq: 18 Jun 2018 12:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.4	61.2
148	63.2	33.0	99.0





#89

n-Butylbenzene

Concen: 18.183 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

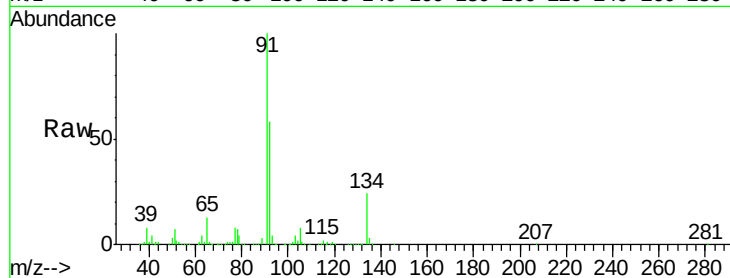
Tgt Ion: 91 Resp: 352508

Ion Ratio Lower Upper

91 100

92 57.5 31.1 93.5

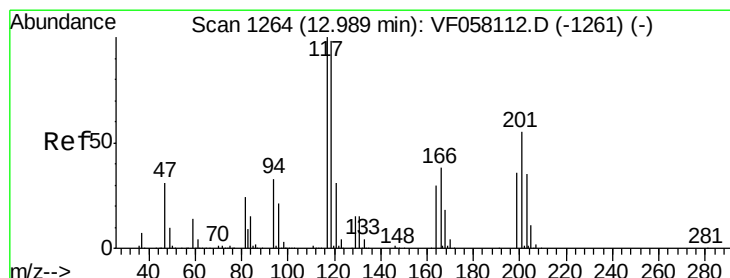
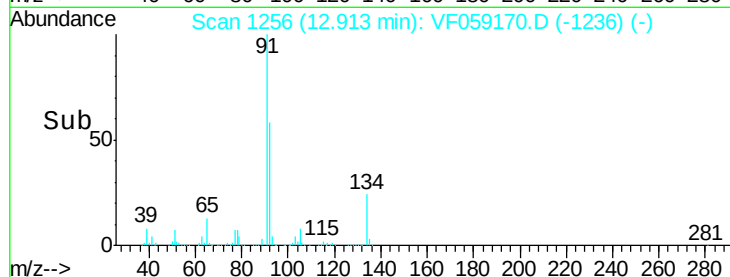
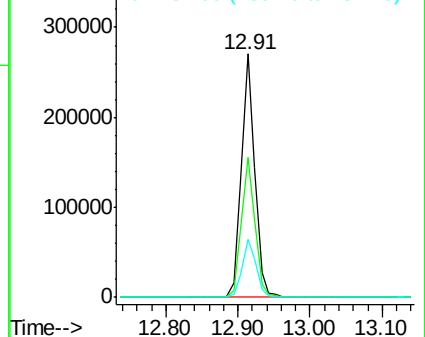
134 24.1 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.731 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF059170.D

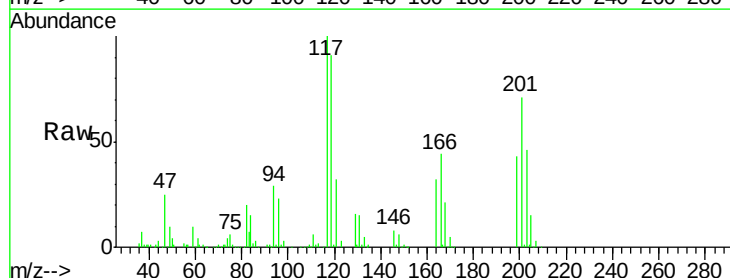
Acq: 18 Jun 2018 12:42

Tgt Ion: 117 Resp: 86234

Ion Ratio Lower Upper

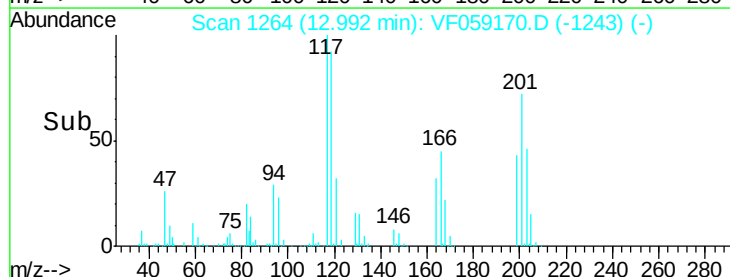
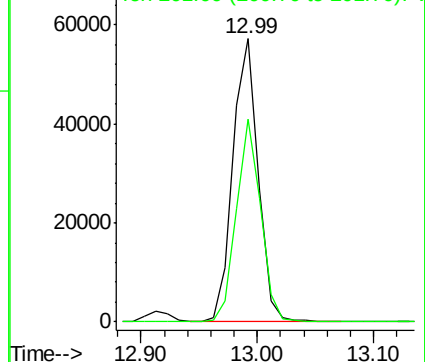
117 100

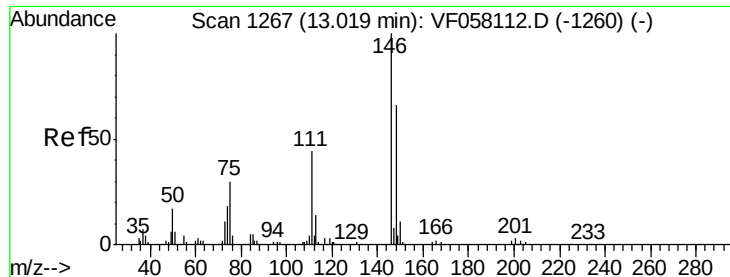
201 71.4 27.5 82.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 20.567 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

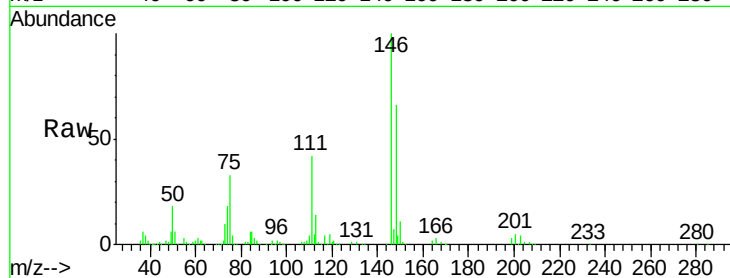
Tgt Ion:146 Resp: 169549

Ion Ratio Lower Upper

146 100

111 41.6 22.0 66.0

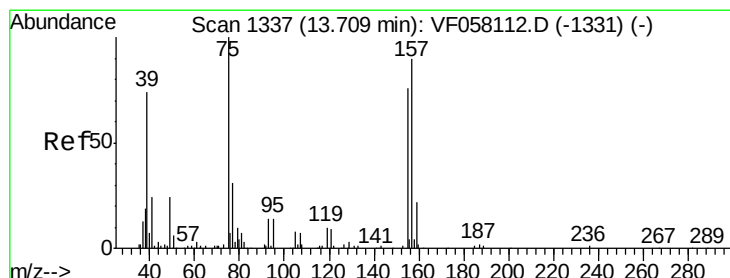
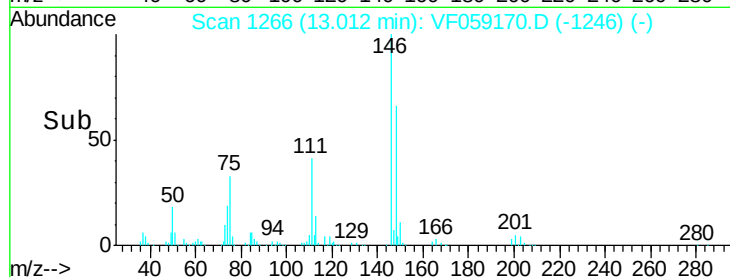
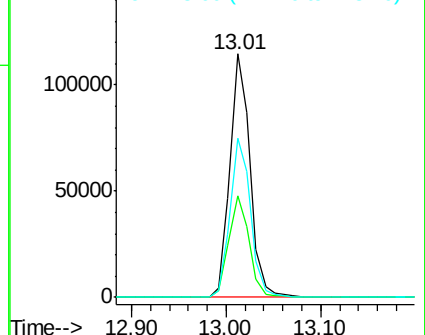
148 65.6 33.1 99.3



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: 21.102 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VF059170.D

Acq: 18 Jun 2018 12:42

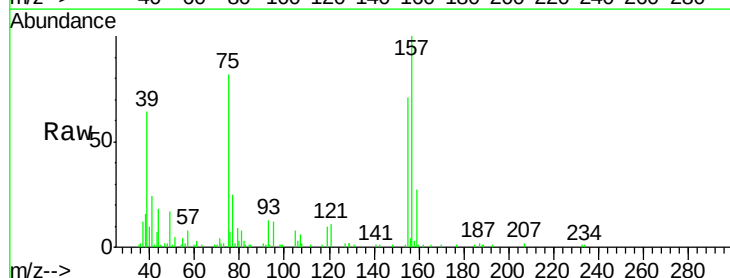
Tgt Ion: 75 Resp: 18073

Ion Ratio Lower Upper

75 100

155 86.9 38.0 114.0

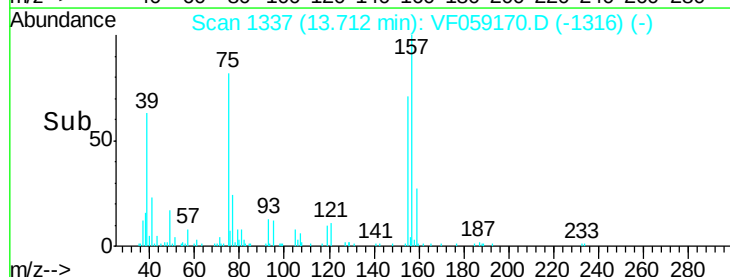
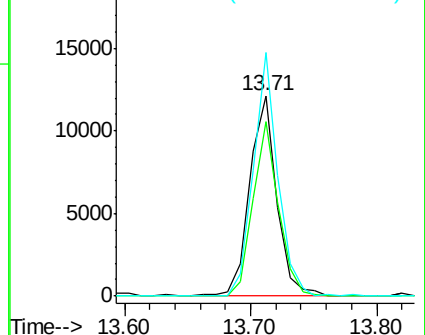
157 121.7 45.1 135.5

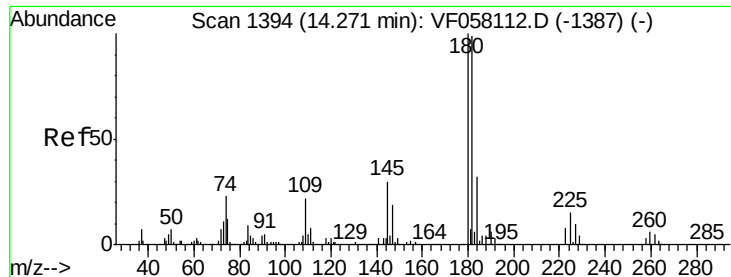


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

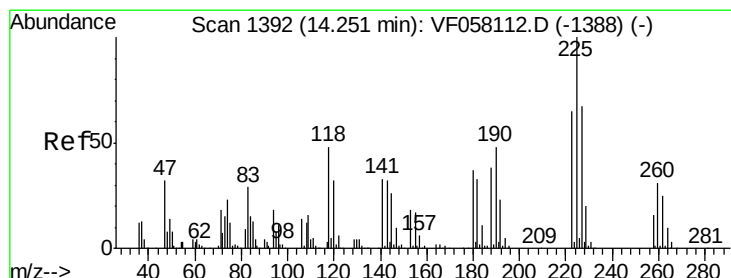
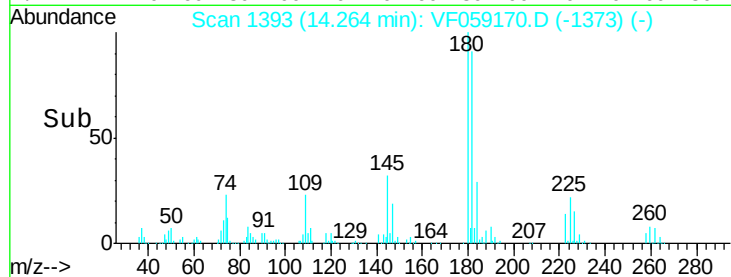
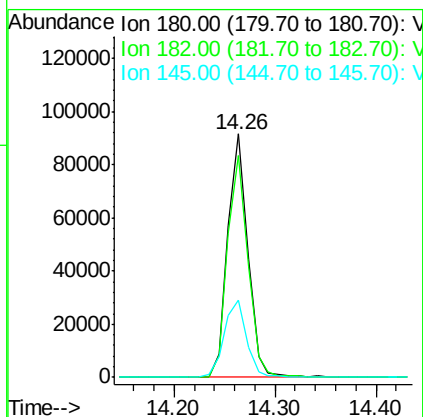
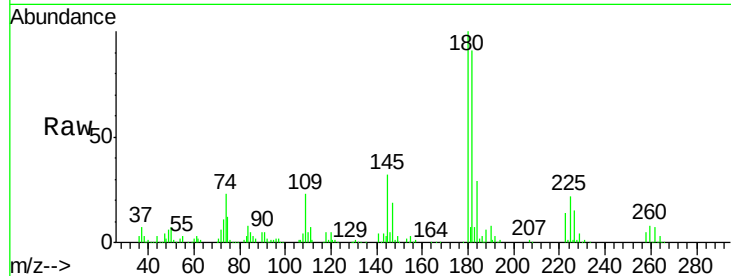




#93
 1,2,4-Trichlorobenzene
 Concen: 22.123 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059170.D
 Acq: 18 Jun 2018 12:42

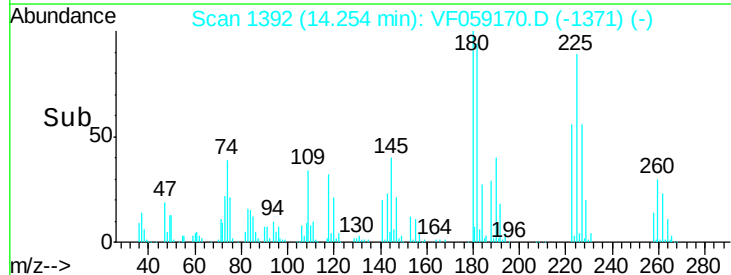
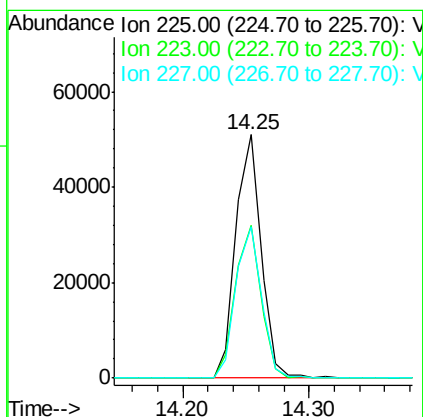
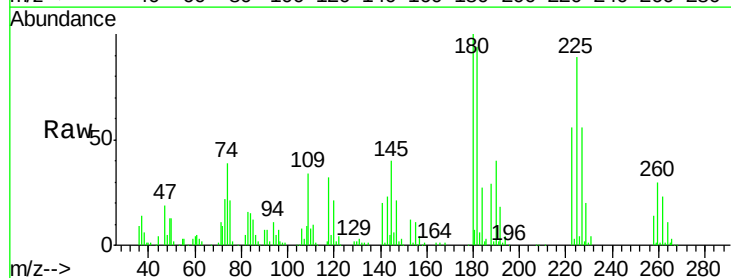
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0618SBS01

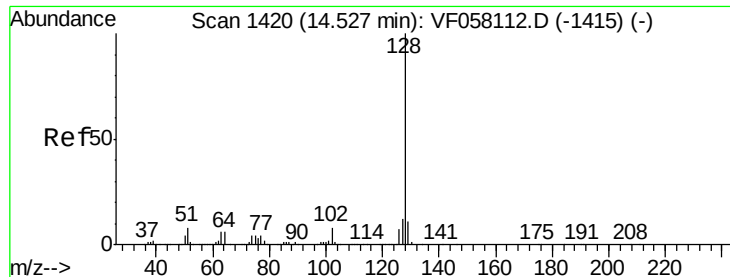
Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.2	49.3	147.9
145	31.8	14.9	44.9



#94
 Hexachlorobutadiene
 Concen: 21.233 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059170.D
 Acq: 18 Jun 2018 12:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.8	98.3
227	62.4	33.3	99.9

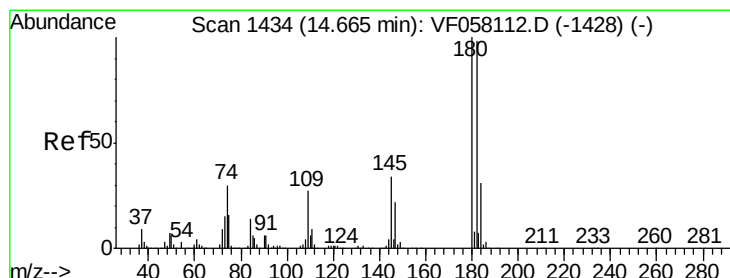
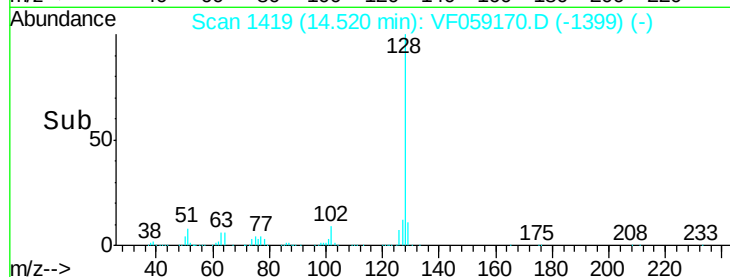
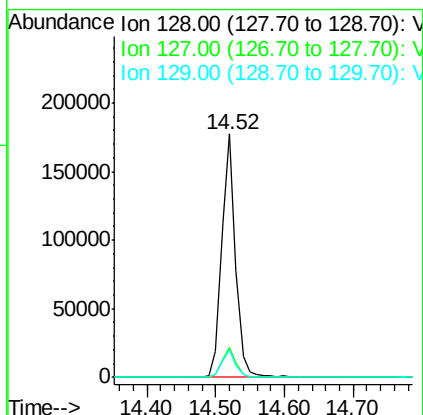
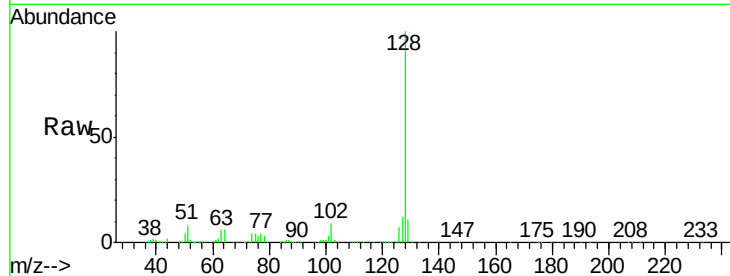




#95
Naphthalene
Concen: 20.092 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059170.D
Acq: 18 Jun 2018 12:42

Instrument :
MSVOA_F
ClientSampleId :
VF0618SBS01

Tgt Ion:128 Resp: 247455
Ion Ratio Lower Upper
128 100
127 12.3 9.9 14.9
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.502 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059170.D
Acq: 18 Jun 2018 12:42

Tgt Ion:180 Resp: 114569
Ion Ratio Lower Upper
180 100
182 96.6 48.9 146.6
145 32.2 17.3 51.7

