

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070618\
 Data File : VF059451.D
 Acq On : 6 Jul 2018 16:00
 Operator : VA/AP
 Sample : VF0706SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBS01

Quant Time: Jul 07 01:49:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	250158	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	385658	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	392523	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	238542	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	155526	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	
35) Dibromofluoromethane	4.27	113	141873	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
50) Toluene-d8	7.68	98	310758	44.54	ug/l	-0.02
Spiked Amount			Recovery	=	89.08%	
62) 4-Bromofluorobenzene	11.49	95	191797	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	53018	23.197	ug/l	90
3) Chloromethane	1.07	50	29030	18.906	ug/l	97
4) Vinyl Chloride	1.14	62	32842	21.730	ug/l	93
5) Bromomethane	1.33	94	20758	21.803	ug/l	91
6) Chloroethane	1.42	64	16935	22.247	ug/l #	87
7) Trichlorofluoromethane	1.48	101	19730	6.601	ug/l	93
8) Diethyl Ether	1.70	74	16077	20.979	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.88	101	39162	22.448	ug/l	86
10) Methyl Iodide	1.95	142	71198	22.380	ug/l	99
11) Tert butyl alcohol	2.67	59	24877	115.618	ug/l #	91
12) 1,1-Dichloroethene	1.84	96	34985	23.721	ug/l	87
13) Acrolein	2.08	56	9005	74.173	ug/l	90
14) Allyl chloride	2.17	41	62436	22.552	ug/l	88
15) Acrylonitrile	3.06	53	39233	103.543	ug/l	95
16) Acetone	2.33	43	102583	121.860	ug/l	99
17) Carbon Disulfide	1.86	76	70688	20.376	ug/l	99
18) Methyl Acetate	2.43	43	36953	24.744	ug/l	97
19) Methyl tert-butyl Ether	2.52	73	124707	22.669	ug/l	97
20) Methylene Chloride	2.27	84	22876	6.139	ug/l	97
21) trans-1,2-Dichloroethene	2.40	96	35483	22.554	ug/l	93
22) Diisopropyl ether	2.91	45	143934	23.478	ug/l	96
23) Vinyl Acetate	3.31	43	471016	120.638	ug/l	99
24) 1,1-Dichloroethane	2.99	63	92278	24.277	ug/l	98
25) 2-Butanone	4.50	43	119383	120.683	ug/l	100
26) 2,2-Dichloropropane	3.74	77	61621	23.504	ug/l	99
27) cis-1,2-Dichloroethene	3.61	96	50129	20.986	ug/l	97
28) Bromochloromethane	3.86	49	41235	26.231	ug/l	92
29) Tetrahydrofuran	4.24	42	47245	108.643	ug/l	98
30) Chloroform	4.01	83	131058	23.817	ug/l	98
31) Cyclohexane	3.84	56	50687	20.356	ug/l	93
32) 1,1,1-Trichloroethane	4.25	97	95688	23.763	ug/l	99
36) 1,1-Dichloropropene	4.44	75	74896	22.231	ug/l	97
37) Ethyl Acetate	4.26	43	56424	25.454	ug/l #	77
38) Carbon Tetrachloride	4.14	117	103010	24.228	ug/l	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070618\
 Data File : VF059451.D
 Acq On : 6 Jul 2018 16:00
 Operator : VA/AP
 Sample : VF0706SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBS01

Quant Time: Jul 07 01:49:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.60	83	62780	21.029	ug/l #	88
40) Benzene	4.78	78	160456	21.480	ug/l	93
41) Methacrylonitrile	4.90	41	27607	24.022	ug/l #	90
42) 1,2-Dichloroethane	5.10	62	99300	22.750	ug/l	95
43) Isopropyl Acetate	7.09	43	58252	20.758	ug/l	92
44) Trichloroethene	5.65	130	55780	21.768	ug/l	97
45) 1,2-Dichloropropane	6.38	63	46409	21.745	ug/l	92
46) Dibromomethane	6.23	93	41459	22.382	ug/l	94
47) Bromodichloromethane	6.53	83	103636	23.112	ug/l	94
48) Methyl methacrylate	6.85	41	38340	20.385	ug/l	97
49) 1,4-Dioxane	6.84	88	4623	436.714	ug/l #	65
51) 4-Methyl-2-Pentanone	8.38	43	231719	111.457	ug/l	97
52) Toluene	7.76	92	117627	21.044	ug/l	98
53) t-1,3-Dichloropropene	8.40	75	94094	23.021	ug/l	98
54) cis-1,3-Dichloropropene	7.43	75	96454	21.726	ug/l	96
55) 1,1,2-Trichloroethane	8.62	97	47525	21.899	ug/l	92
56) Ethyl methacrylate	8.73	69	53900	20.049	ug/l	89
57) 1,3-Dichloropropane	8.98	76	78981	21.220	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.76	63	23712	117.602	ug/l	100
59) 2-Hexanone	9.61	43	196732	116.967	ug/l	97
60) Dibromochloromethane	8.84	129	78088	23.307	ug/l	93
61) 1,2-Dibromoethane	9.11	107	56713	21.548	ug/l	98
64) Tetrachloroethene	8.28	164	57377	22.538	ug/l	95
65) Chlorobenzene	9.92	112	156142	21.467	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.04	131	71825	22.832	ug/l	88
67) Ethyl Benzene	10.02	91	277280	22.472	ug/l	94
68) m/p-Xylenes	10.24	106	197585	44.989	ug/l	86
69) o-Xylene	10.81	106	107086	21.800	ug/l	96
70) Styrene	10.88	104	165463	22.112	ug/l	98
71) Bromoform	10.87	173	48531	22.508	ug/l	99
73) Isopropylbenzene	11.21	105	330721	23.798	ug/l	98
74) N-amyl acetate	11.44	43	112402	22.289	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	76860	21.899	ug/l	95
76) 1,2,3-Trichloropropane	11.87	75	60430	22.825	ug/l	94
77) Bromobenzene	11.58	156	88525	22.960	ug/l	82
78) n-propylbenzene	11.67	91	378416	22.674	ug/l	97
79) 2-Chlorotoluene	11.80	91	227156	22.278	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	283696	23.305	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	34898	22.147	ug/l	97
82) 4-Chlorotoluene	11.98	91	252073	23.080	ug/l	93
83) tert-Butylbenzene	12.20	119	294728	24.207	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	296347	23.115	ug/l	98
85) sec-Butylbenzene	12.37	105	365765	22.664	ug/l	98
86) p-Isopropyltoluene	12.53	119	318336	23.504	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	163856	23.283	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	157721	22.906	ug/l	95
89) n-Butylbenzene	12.90	91	333626	24.266	ug/l	98
90) Hexachloroethane	12.98	117	80223	23.766	ug/l	94
91) 1,2-Dichlorobenzene	13.00	146	164989	23.572	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	17611	22.636	ug/l	66

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF070618\
Data File : VF059451.D
Acq On : 6 Jul 2018 16:00
Operator : VA/AP
Sample : VF0706SBS01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

Quant Time: Jul 07 01:49:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration

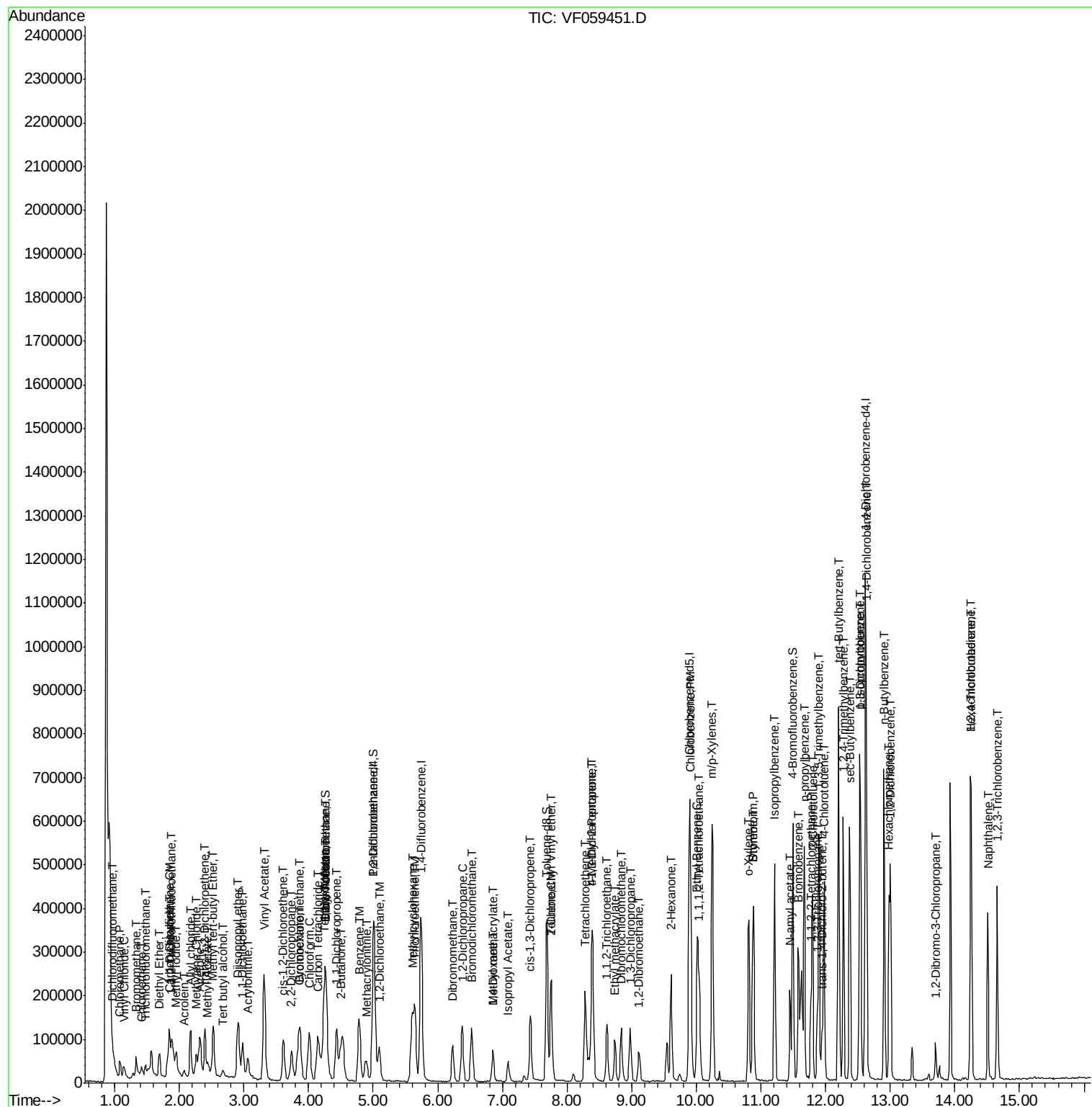
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	123872	23.934	ug/l	98
94) Hexachlorobutadiene	14.24	225	70267	24.306	ug/l	93
95) Naphthalene	14.51	128	259714	23.984	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	124153	25.322	ug/l	98

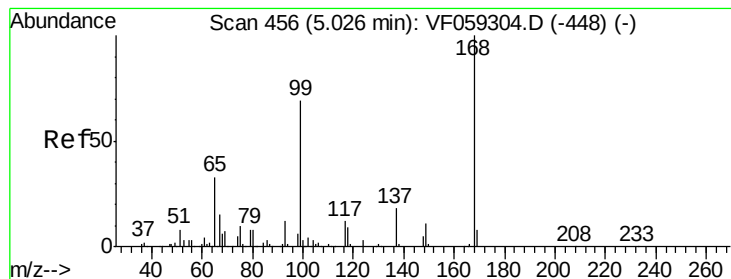
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF070618\
 Data File : VF059451.D
 Acq On : 6 Jul 2018 16:00
 Operator : VA/AP
 Sample : VF0706SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBS01

Quant Time: Jul 07 01:49:26 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

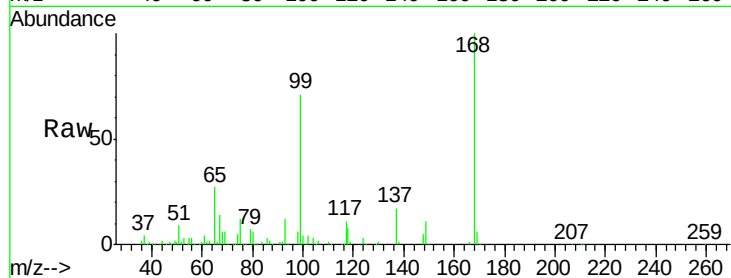
VF0706SBS01

Tot Ion:168 Resp: 250158

Ion Ratio Lower Upper

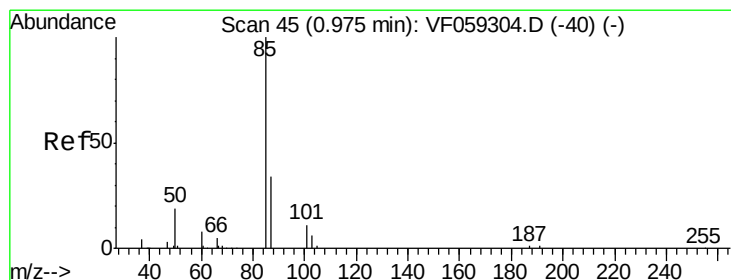
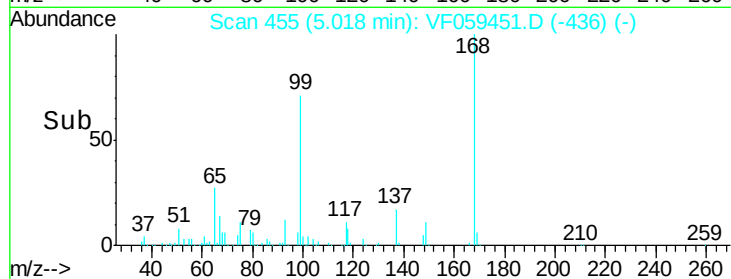
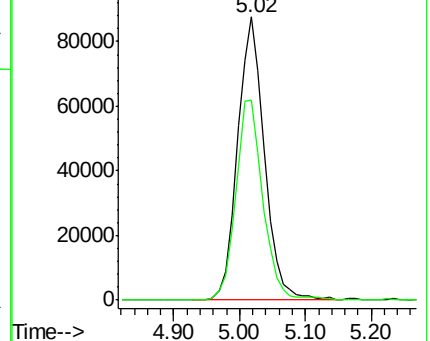
168 100

99 70.5 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 23.197 ug/l

RT: 0.98 min Scan# 45

Delta R.T. 0.00 min

Lab File: VF059451.D

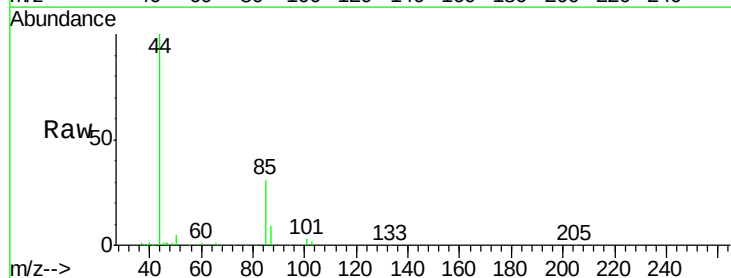
Acq: 6 Jul 2018 16:00

Tgt Ion: 85 Resp: 53018

Ion Ratio Lower Upper

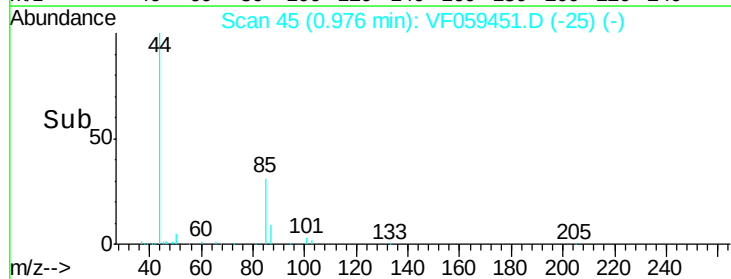
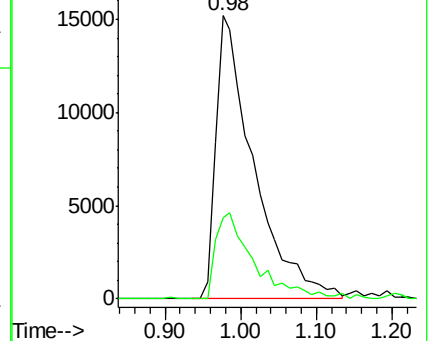
85 100

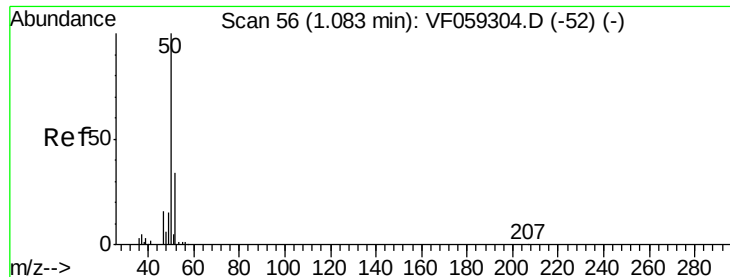
87 28.4 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 18.906 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

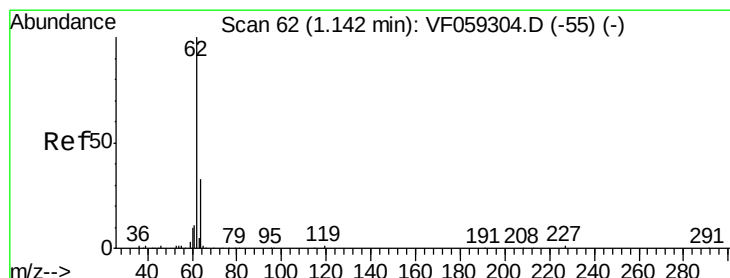
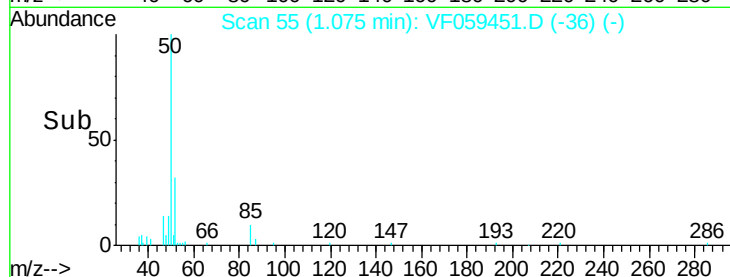
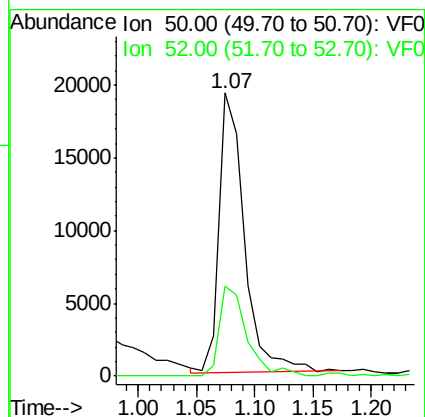
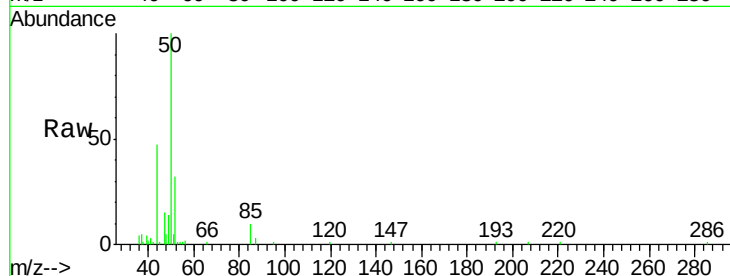
VF0706SBS01

Tot Ion: 50 Resp: 29030

Ion Ratio Lower Upper

50 100

52 31.7 26.7 40.1



#4

Vinyl Chloride

Concen: 21.730 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF059451.D

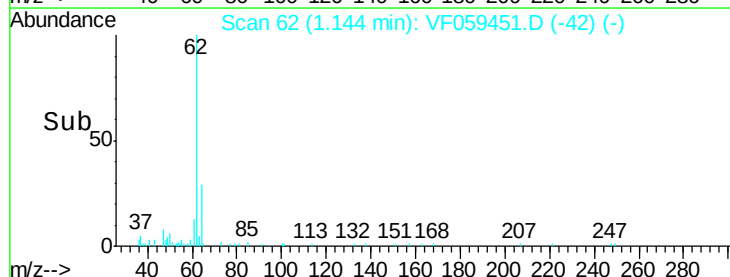
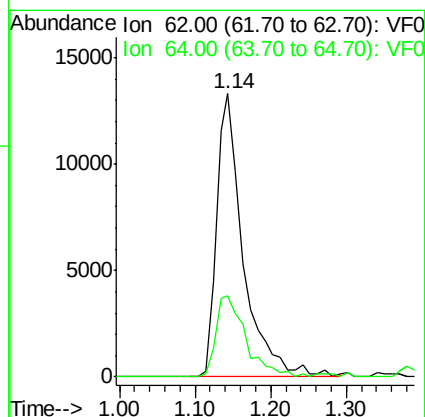
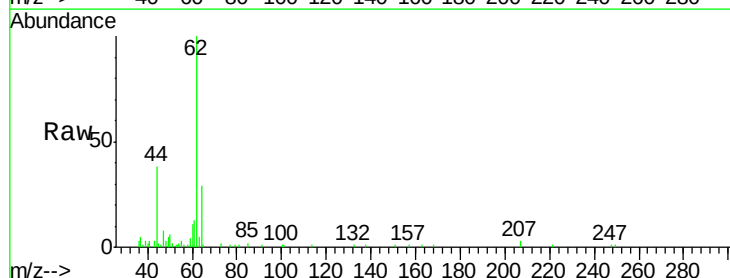
Acq: 6 Jul 2018 16:00

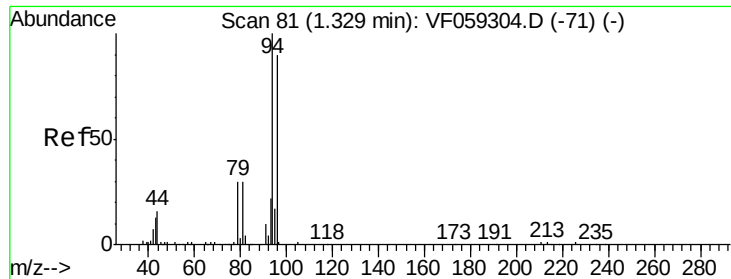
Tgt Ion: 62 Resp: 32842

Ion Ratio Lower Upper

62 100

64 28.8 26.3 39.5





#5

Bromomethane

Concen: 21.803 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

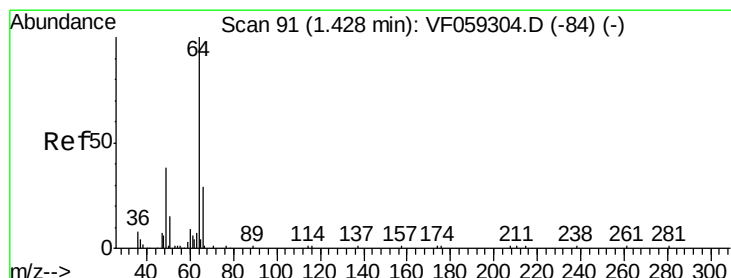
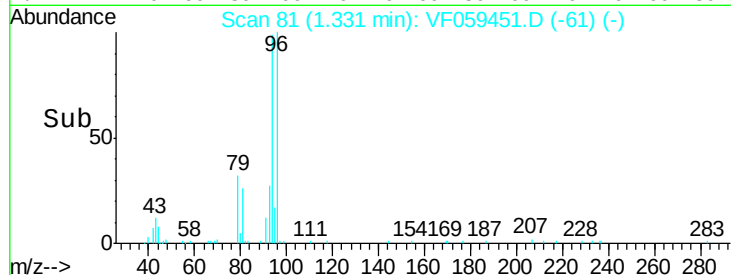
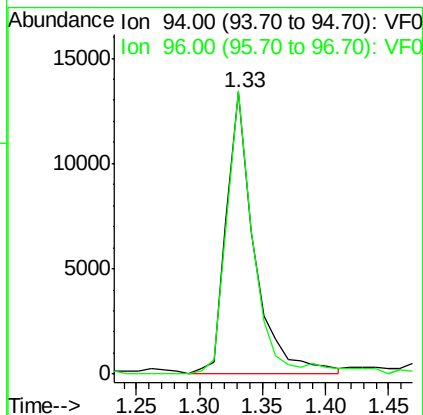
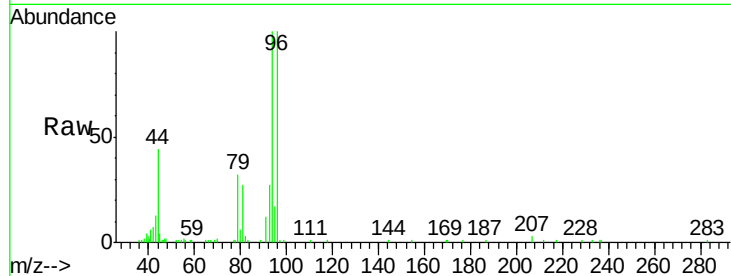
VF0706SBS01

Tot Ion: 94 Resp: 20758

Ion Ratio Lower Upper

94 100

96 100.4 73.4 110.0



#6

Chloroethane

Concen: 22.247 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059451.D

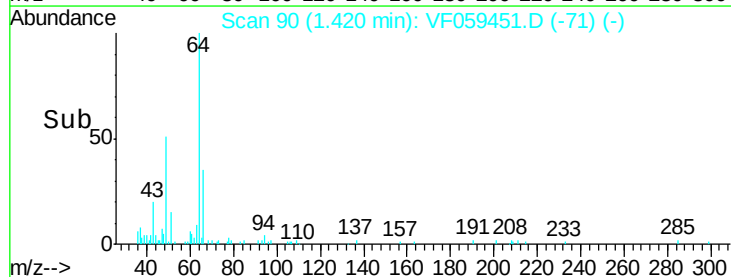
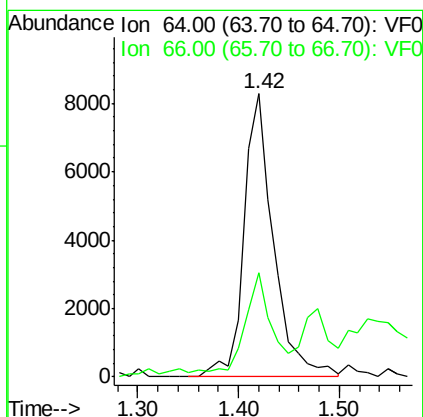
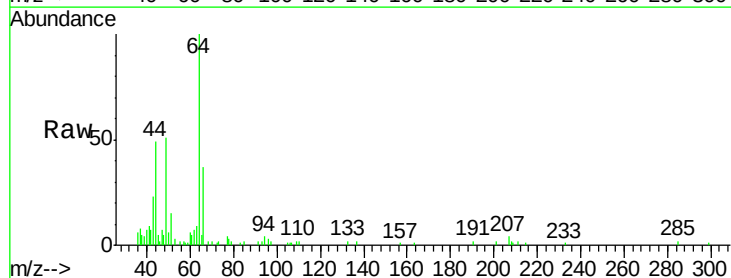
Acq: 6 Jul 2018 16:00

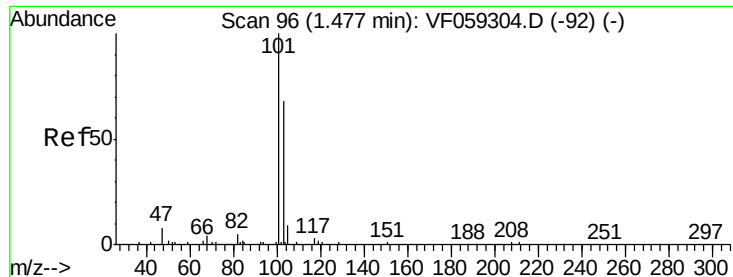
Tgt Ion: 64 Resp: 16935

Ion Ratio Lower Upper

64 100

66 36.7 23.9 35.9#





#7

Trichlorofluoromethane

Concen: 6.601 ug/l

RT: 1.48 min Scan# 96

Delta R.T. 0.00 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

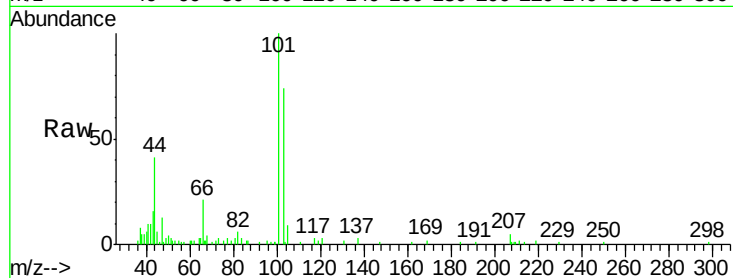
VF0706SBS01

Tot Ion:101 Resp: 19730

Ion Ratio Lower Upper

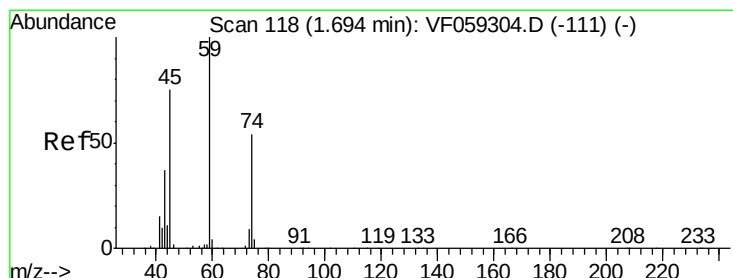
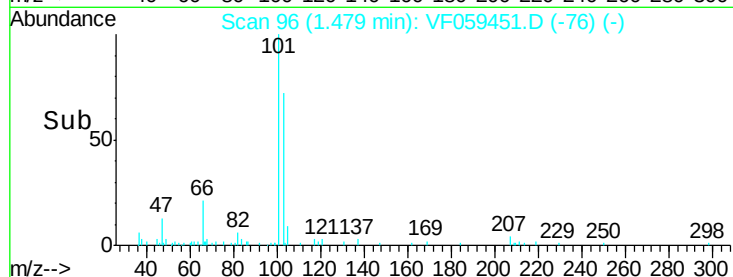
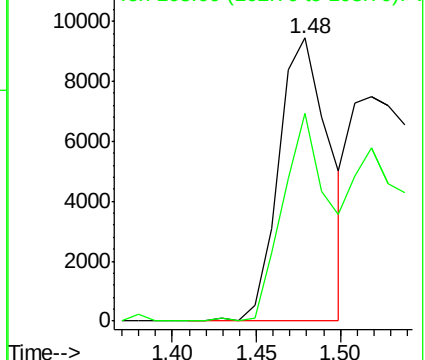
101 100

103 73.6 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 20.979 ug/l

RT: 1.70 min Scan# 118

Delta R.T. 0.00 min

Lab File: VF059451.D

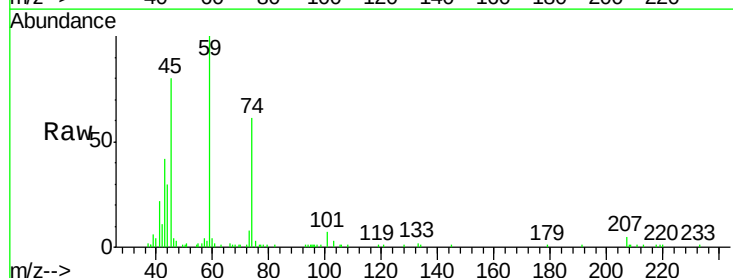
Acq: 6 Jul 2018 16:00

Tgt Ion: 74 Resp: 16077

Ion Ratio Lower Upper

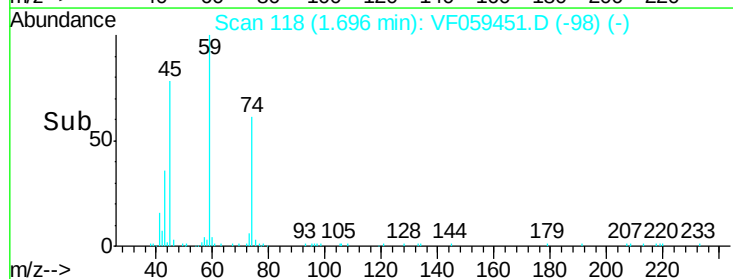
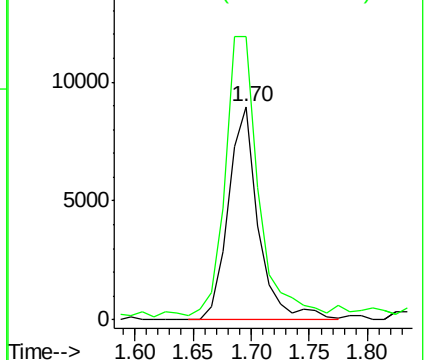
74 100

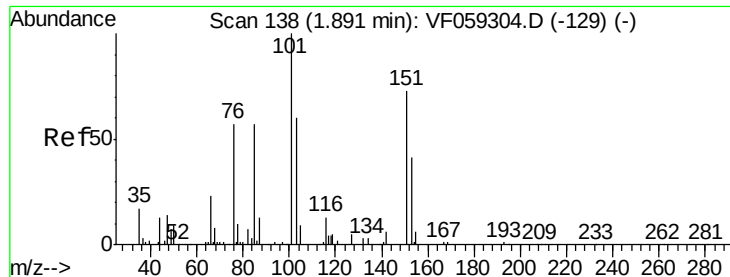
45 132.5 70.0 210.0



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: 22.448 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

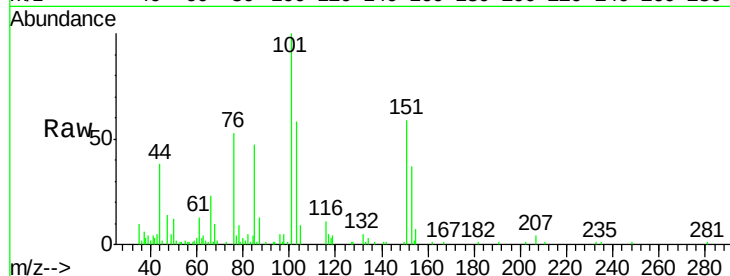
Tot Ion:101 Resp: 39162

Ion Ratio Lower Upper

101 100

85 47.1 44.5 66.7

151 58.6 56.8 85.2



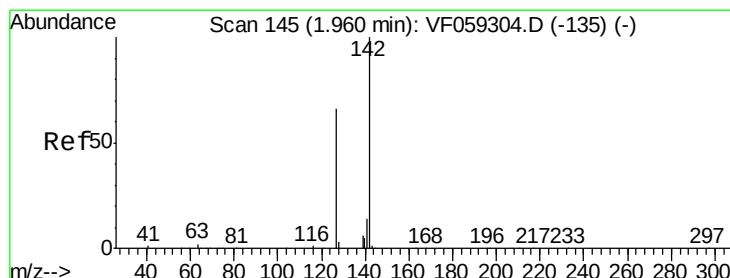
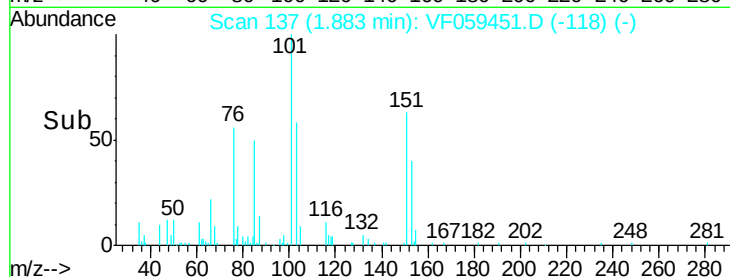
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V

1.88

Time-->



#10

Methyl Iodide

Concen: 22.380 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

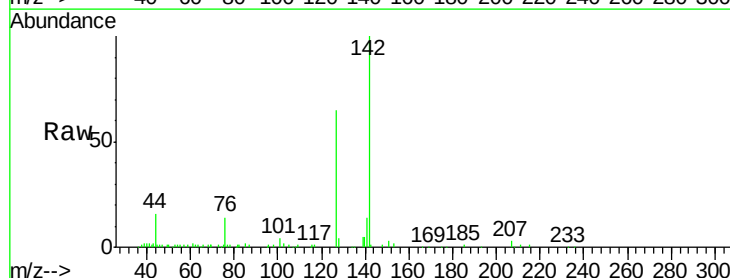
Tgt Ion:142 Resp: 71198

Ion Ratio Lower Upper

142 100

127 64.7 52.5 78.7

141 14.3 11.5 17.3



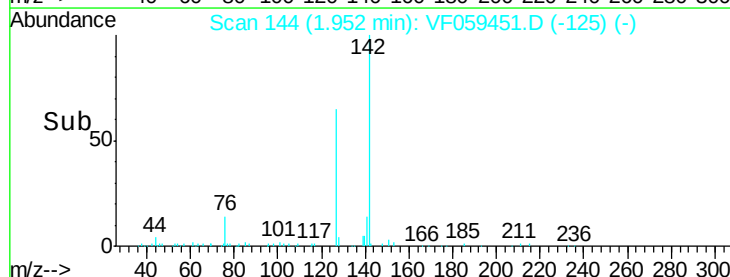
Abundance Ion 142.00 (141.70 to 142.70): V

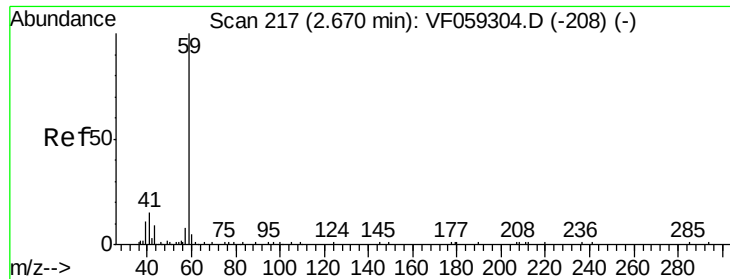
Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

1.95

Time-->



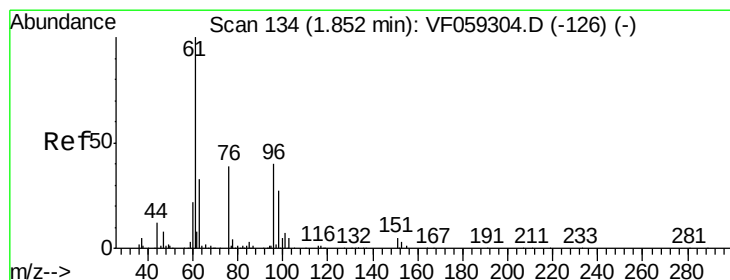
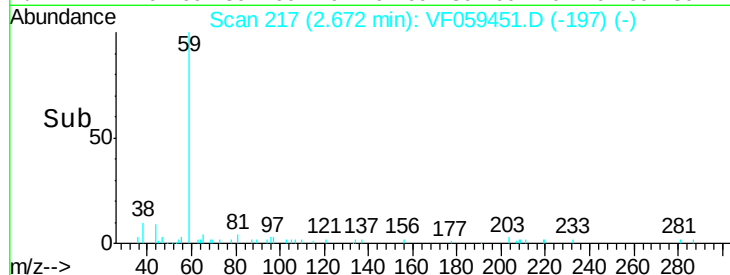
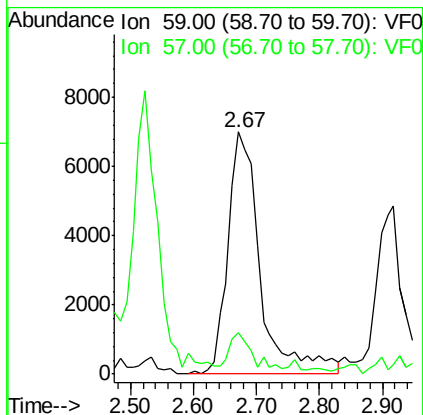
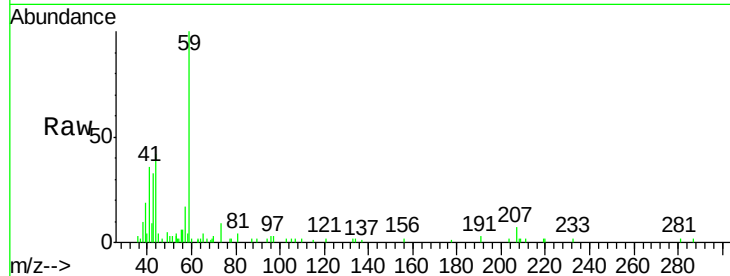


#11

Tert butyl alcohol
 Concen: 115.618 ug/l
 RT: 2.67 min Scan# 217
 Delta R.T. 0.00 min
 Lab File: VF059451.D
 Acq: 6 Jul 2018 16:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBS01

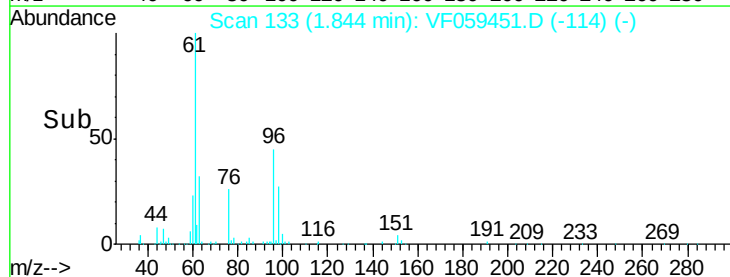
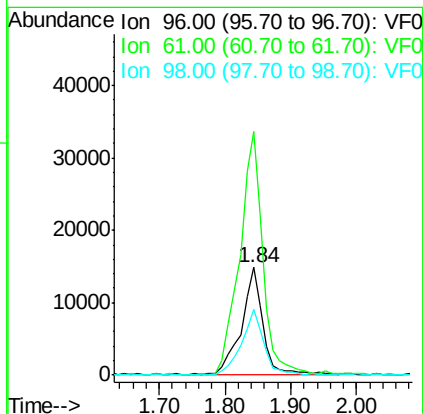
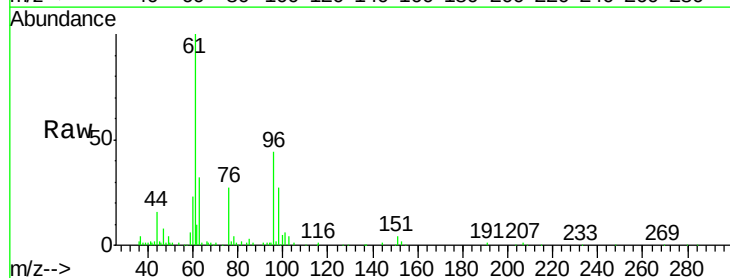
Tot Ion: 59 Resp: 24877
 Ion Ratio Lower Upper
 59 100
 57 17.2 11.0 16.4#

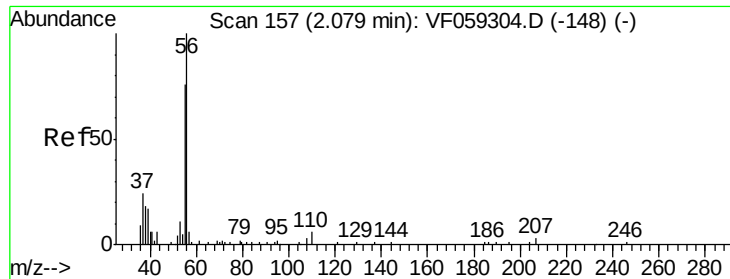


#12

1,1-Dichloroethene
 Concen: 23.721 ug/l
 RT: 1.84 min Scan# 133
 Delta R.T. -0.01 min
 Lab File: VF059451.D
 Acq: 6 Jul 2018 16:00

Tgt Ion: 96 Resp: 34985
 Ion Ratio Lower Upper
 96 100
 61 226.2 201.1 301.7
 98 61.2 53.9 80.9





#13

Acrolein

Concen: 74.173 ug/l

RT: 2.08 min Scan# 157

Delta R.T. 0.00 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

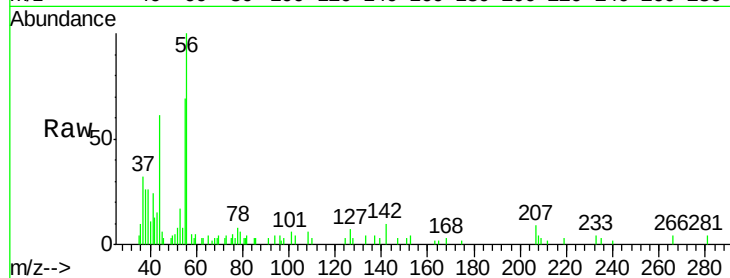
VF0706SBS01

Tot Ion: 56 Resp: 9005

Ion Ratio Lower Upper

56 100

55 69.3 62.4 93.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.08

5000

4000

3000

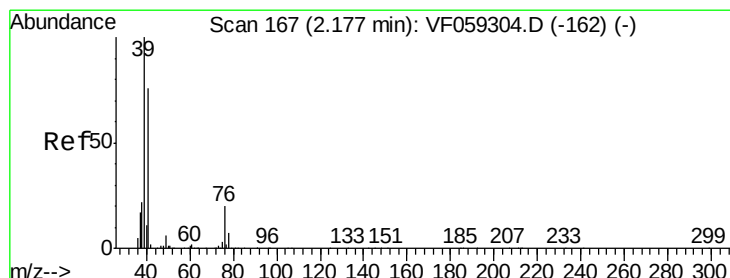
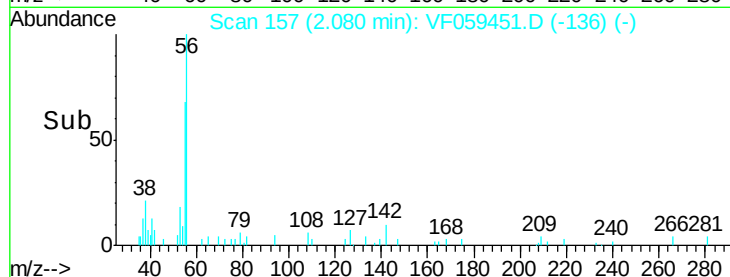
2000

1000

0

Time-->

2.00 2.05 2.10 2.15



#14

Allyl chloride

Concen: 22.552 ug/l

RT: 2.17 min Scan# 166

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

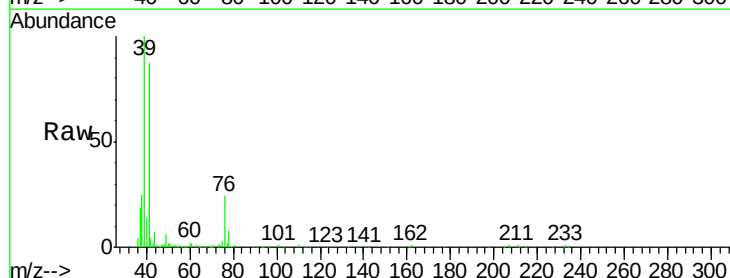
Tgt Ion: 41 Resp: 62436

Ion Ratio Lower Upper

41 100

39 114.8 105.6 158.4

76 27.9 21.6 32.4



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

50000

40000

30000

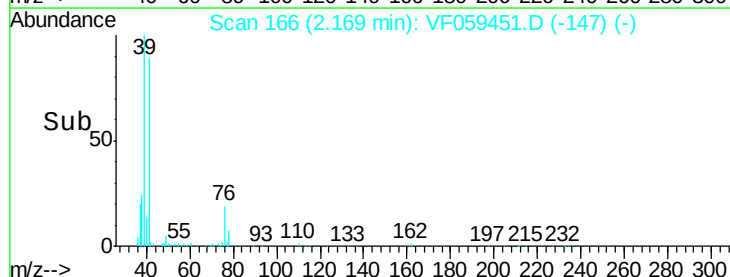
20000

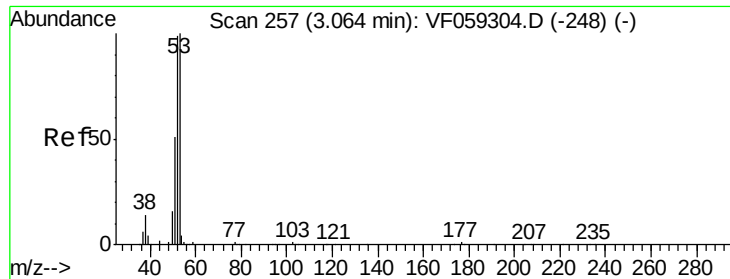
10000

0

Time-->

2.10 2.15 2.20 2.25





#15

Acrylonitrile

Concen: 103.543 ug/l

RT: 3.06 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

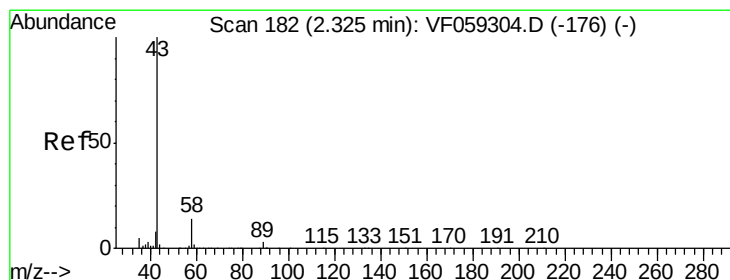
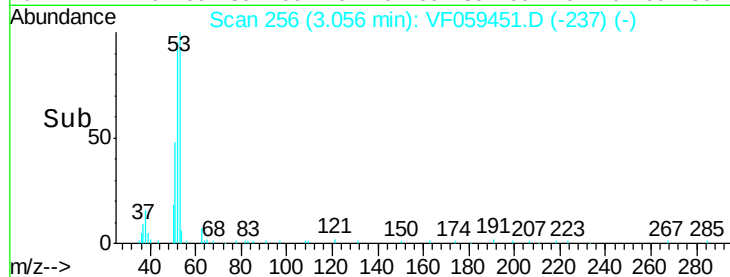
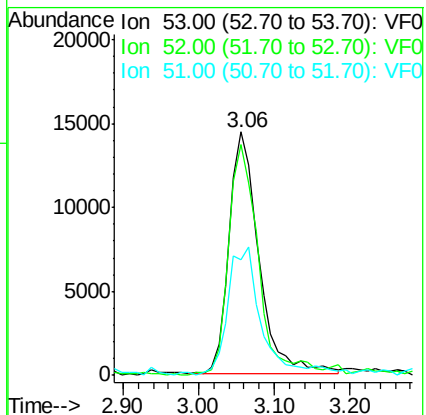
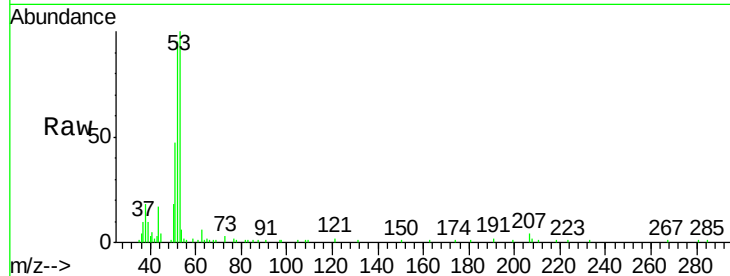
Tot Ion: 53 Resp: 39233

Ion Ratio Lower Upper

53 100

52 94.6 79.2 118.8

51 47.3 40.9 61.3



#16

Acetone

Concen: 121.860 ug/l

RT: 2.33 min Scan# 182

Delta R.T. 0.00 min

Lab File: VF059451.D

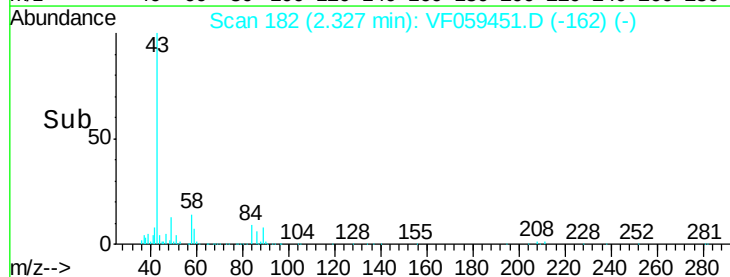
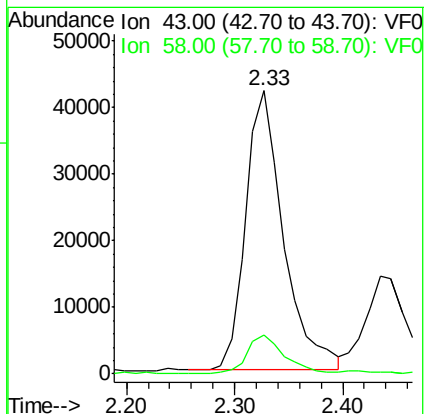
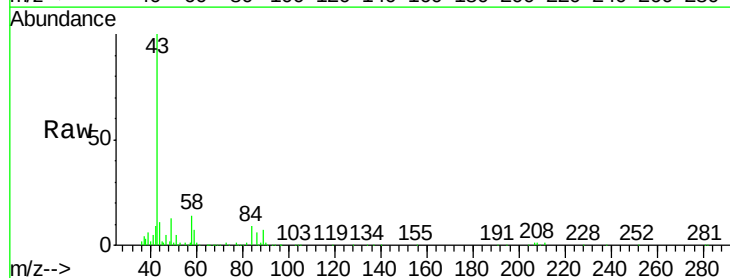
Acq: 6 Jul 2018 16:00

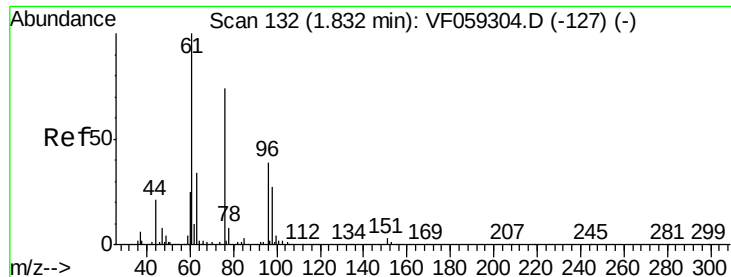
Tgt Ion: 43 Resp: 102583

Ion Ratio Lower Upper

43 100

58 13.7 11.4 17.0





#17

Carbon Disulfide

Concen: 20.376 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.03 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

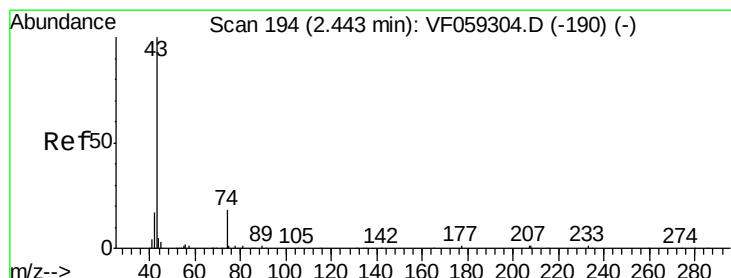
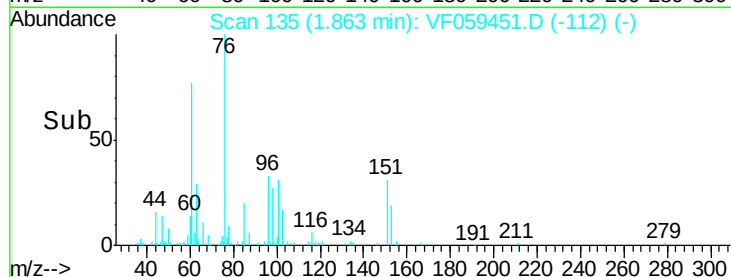
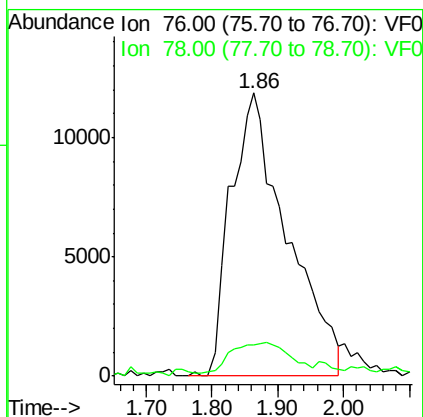
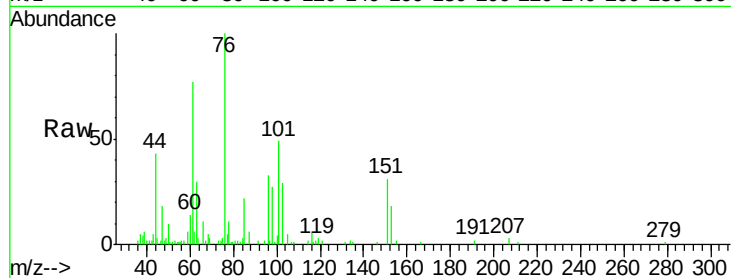
VF0706SBS01

Tot Ion: 76 Resp: 70688

Ion Ratio Lower Upper

76 100

78 10.9 8.9 13.3



#18

Methyl Acetate

Concen: 24.744 ug/l

RT: 2.43 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF059451.D

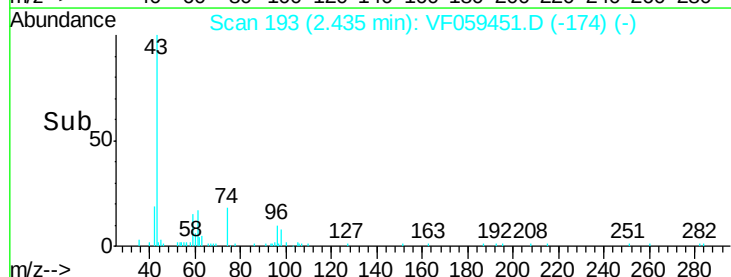
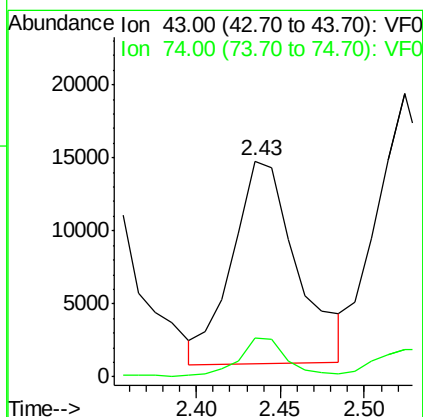
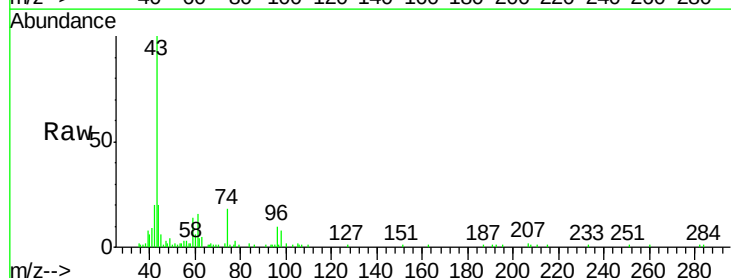
Acq: 6 Jul 2018 16:00

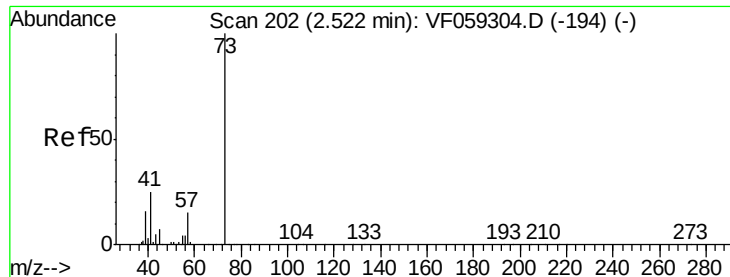
Tgt Ion: 43 Resp: 36953

Ion Ratio Lower Upper

43 100

74 17.7 13.3 19.9



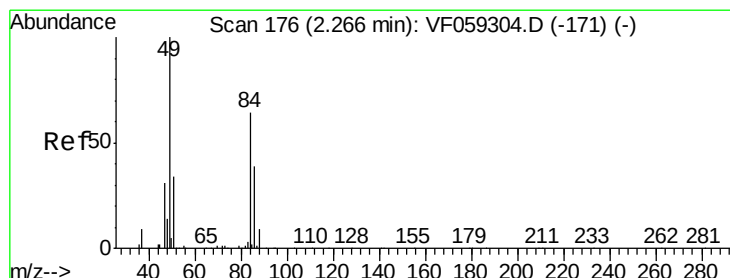
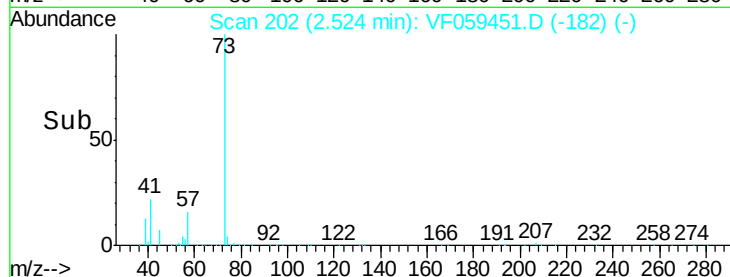
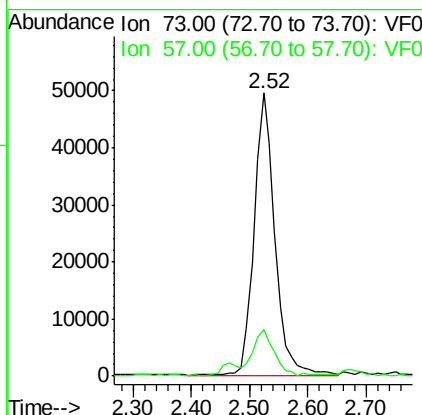
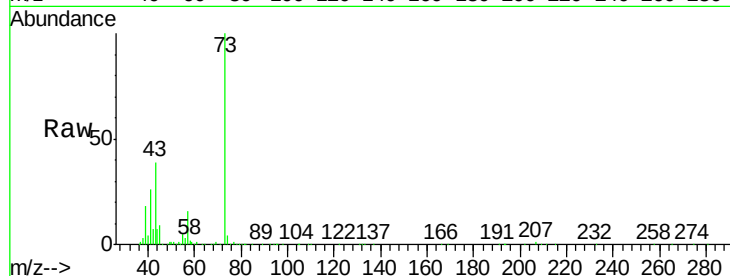


#19

Methyl tert-butyl Ether
 Concen: 22.669 ug/l
 RT: 2.52 min Scan# 202
 Delta R.T. 0.00 min
 Lab File: VF059451.D
 Acq: 6 Jul 2018 16:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBS01

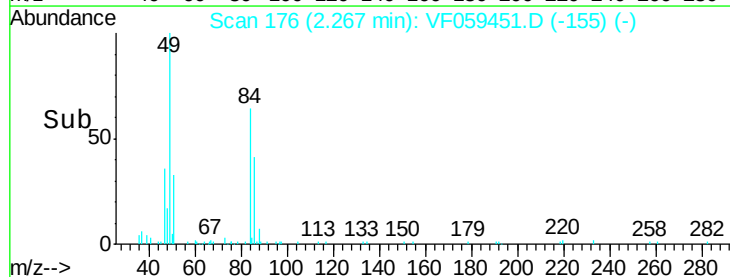
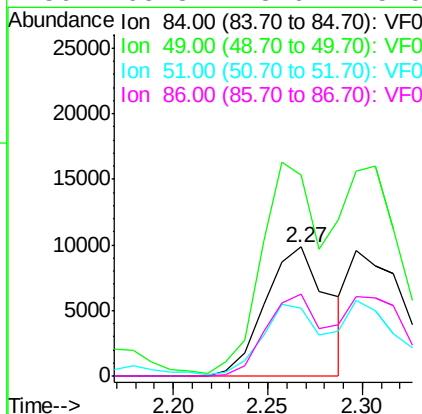
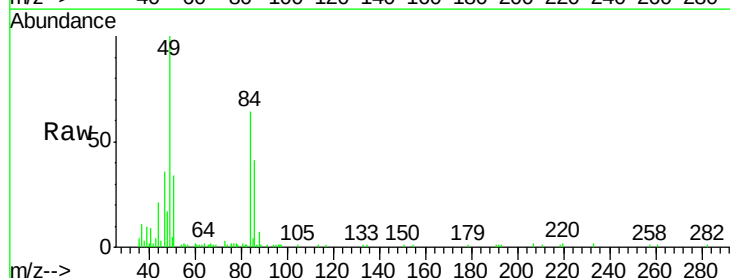
Tot Ion: 73 Resp: 124707
 Ion Ratio Lower Upper
 73 100
 57 16.5 12.3 18.5

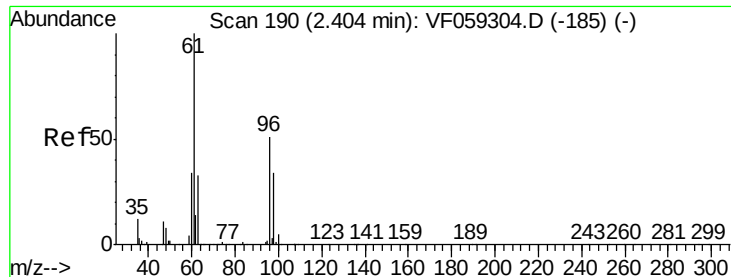


#20

Methylene Chloride
 Concen: 6.139 ug/l
 RT: 2.27 min Scan# 176
 Delta R.T. 0.00 min
 Lab File: VF059451.D
 Acq: 6 Jul 2018 16:00

Tgt Ion: 84 Resp: 22876
 Ion Ratio Lower Upper
 84 100
 49 155.9 126.5 189.7
 51 52.3 42.9 64.3
 86 65.8 48.6 73.0





#21

trans-1,2-Dichloroethene

Concen: 22.554 ug/l

RT: 2.40 min Scan# 189

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

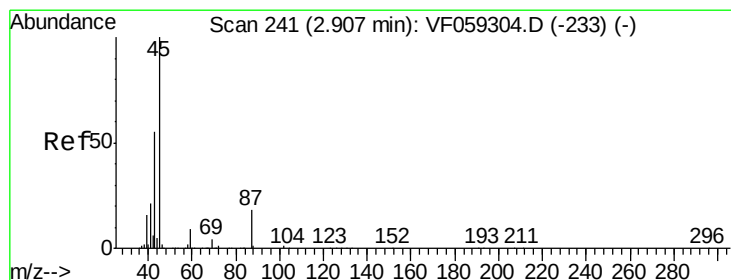
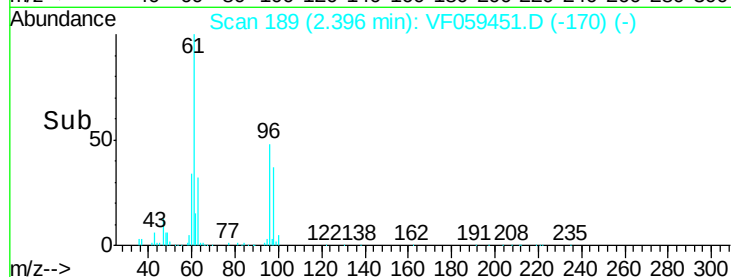
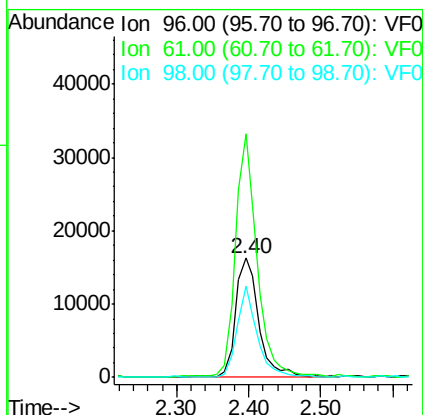
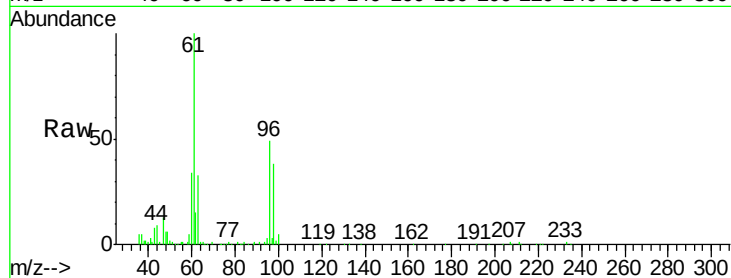
Tot Ion: 96 Resp: 35483

Ion Ratio Lower Upper

96 100

61 204.8 157.4 236.2

98 77.1 53.7 80.5



#22

Diisopropyl ether

Concen: 23.478 ug/l

RT: 2.91 min Scan# 241

Delta R.T. 0.00 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Tgt Ion: 45 Resp: 143934

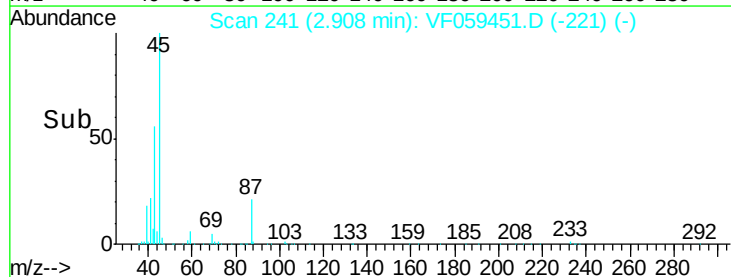
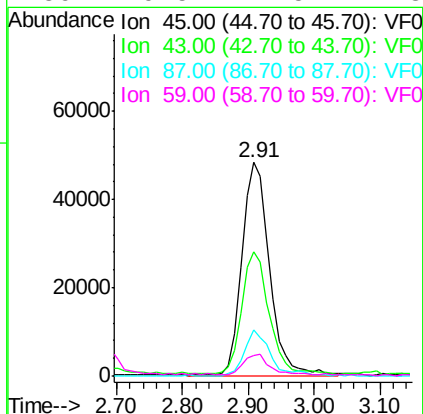
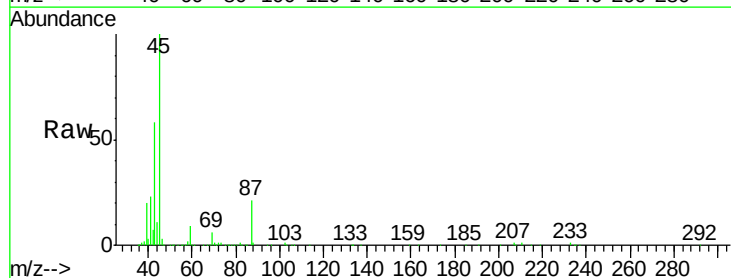
Ion Ratio Lower Upper

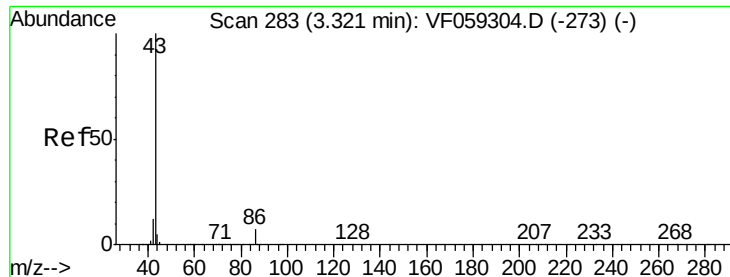
45 100

43 58.3 44.6 66.8

87 21.3 14.3 21.5

59 9.5 7.5 11.3





#23

Vinyl Acetate

Concen: 120.638 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

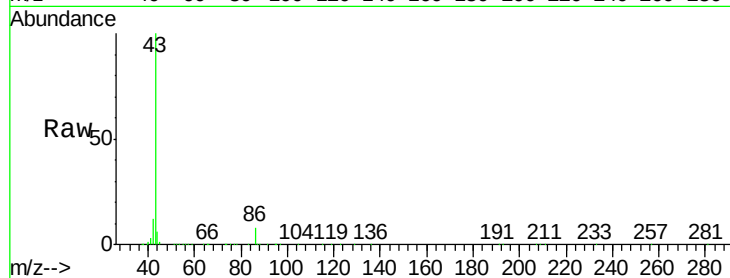
VF0706SBS01

Tot Ion: 43 Resp: 471016

Ion Ratio Lower Upper

43 100

86 7.6 5.8 8.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.31

200000

150000

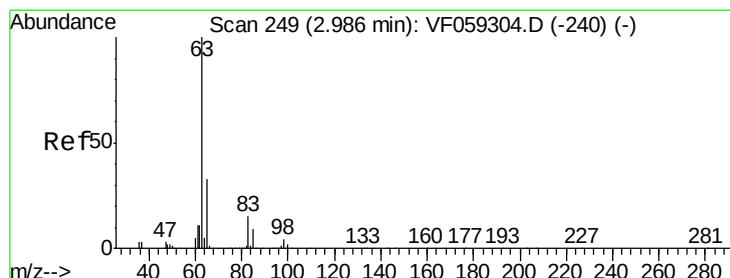
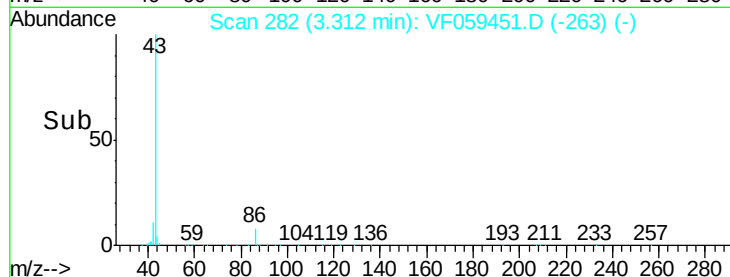
100000

50000

0

Time-->

3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 24.277 ug/l

RT: 2.99 min Scan# 249

Delta R.T. 0.00 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

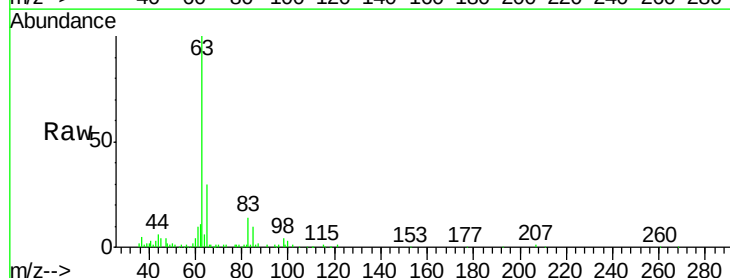
Tgt Ion: 63 Resp: 92278

Ion Ratio Lower Upper

63 100

98 4.7 2.0 6.0

100 3.4 1.3 3.9



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.99

40000

30000

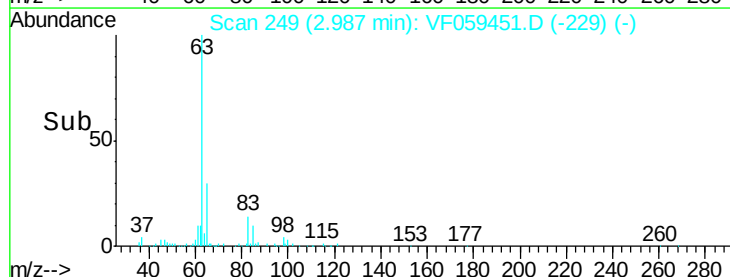
20000

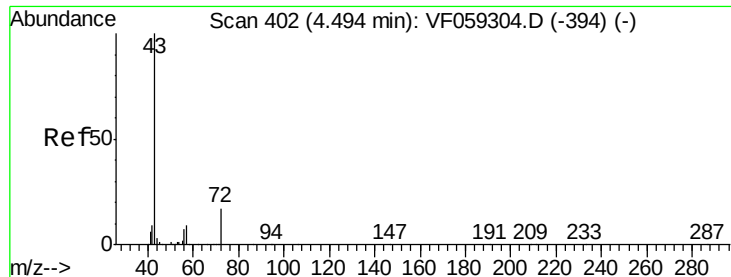
10000

0

Time-->

2.90 3.00 3.10 3.20





#25

2-Butanone

Concen: 120.683 ug/l

RT: 4.50 min Scan# 402

Delta R.T. 0.00 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

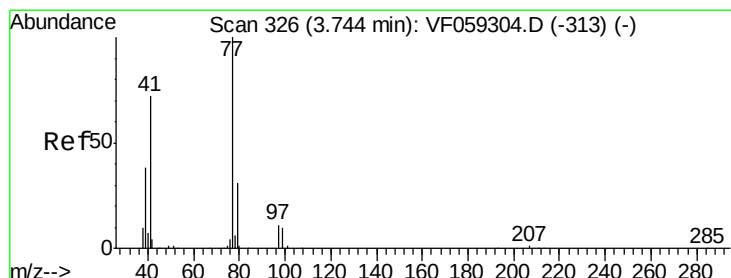
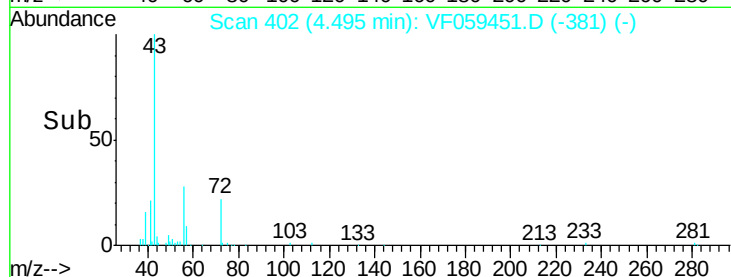
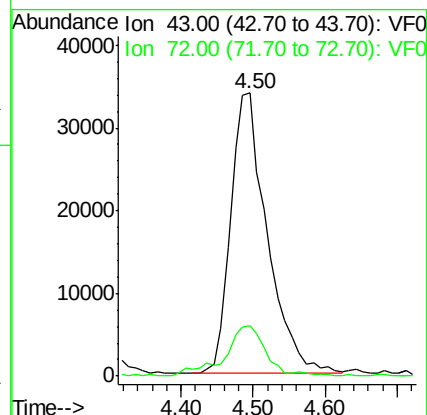
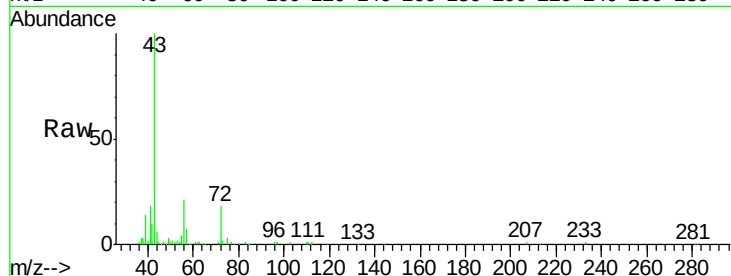
VF0706SBS01

Tot Ion: 43 Resp: 119383

Ion Ratio Lower Upper

43 100

72 18.0 14.4 21.6



#26

2,2-Dichloropropane

Concen: 23.504 ug/l

RT: 3.74 min Scan# 325

Delta R.T. -0.01 min

Lab File: VF059451.D

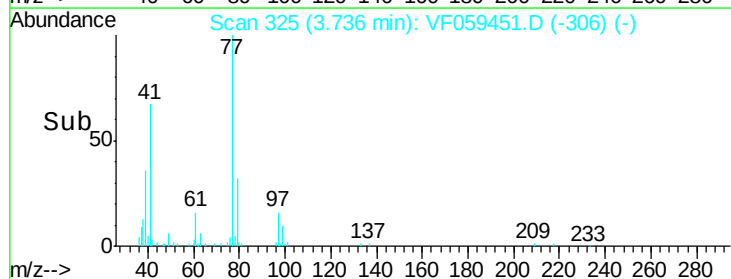
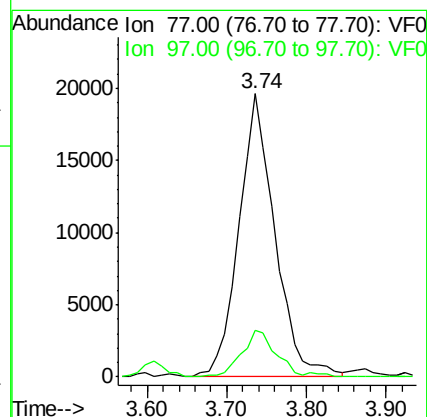
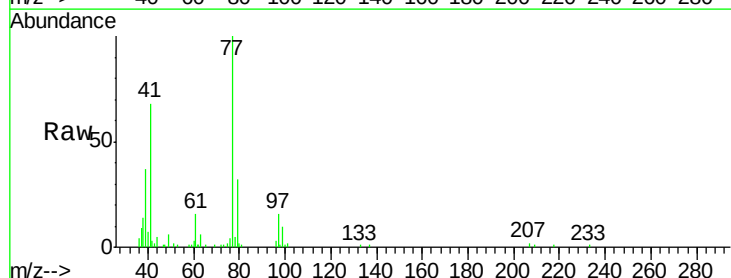
Acq: 6 Jul 2018 16:00

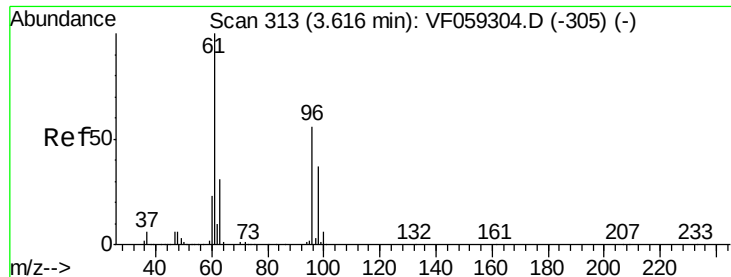
Tgt Ion: 77 Resp: 61621

Ion Ratio Lower Upper

77 100

97 16.4 8.0 23.8



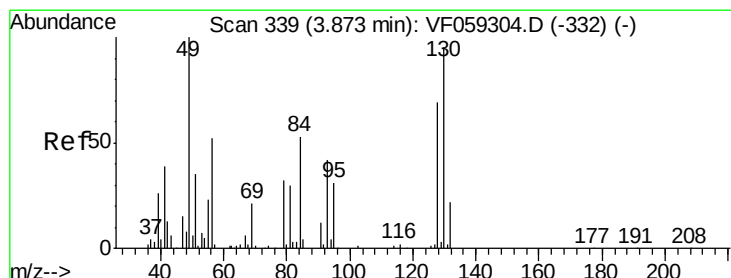
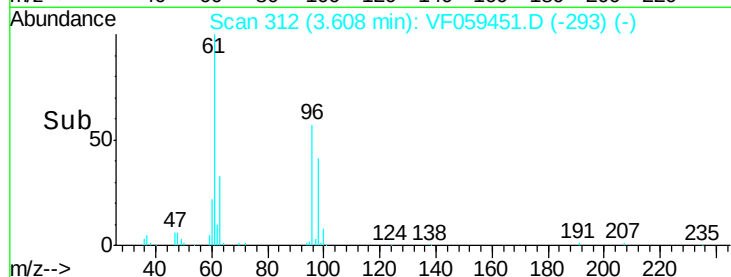
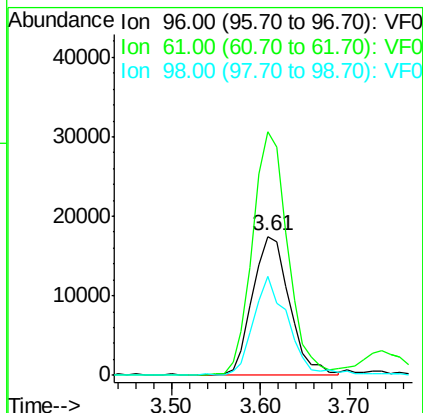
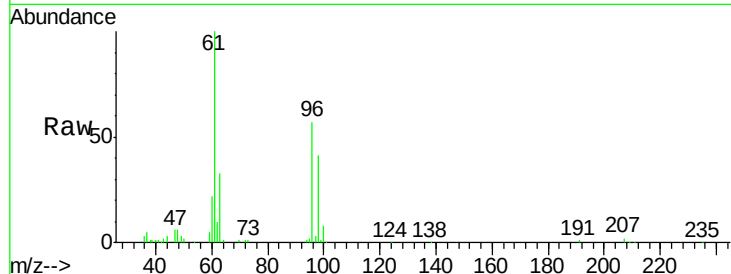


#27

cis-1,2-Dichloroethene
Concen: 20.986 ug/l
RT: 3.61 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

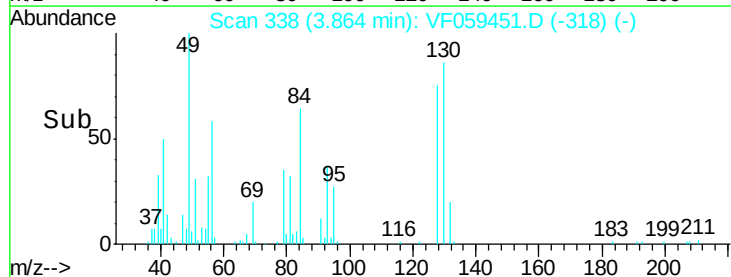
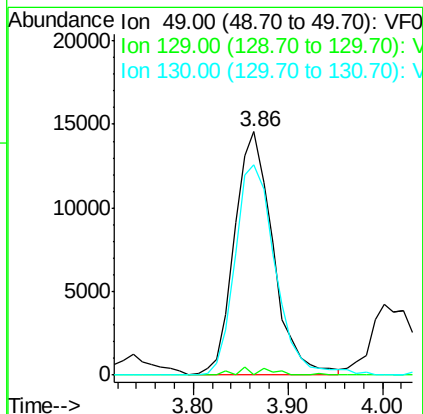
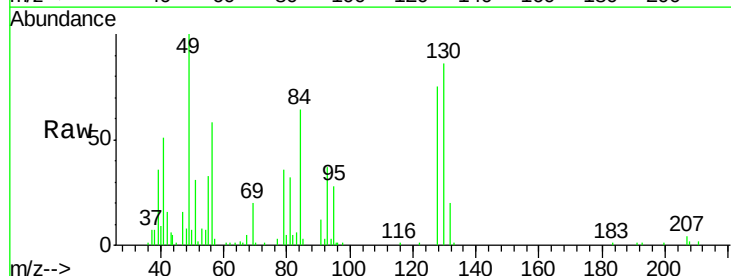
Tot Ion	96	Resp	50129
Ion	Ratio	Lower	Upper
96	100		
61	175.2	0.0	355.4
98	71.6	0.0	131.0

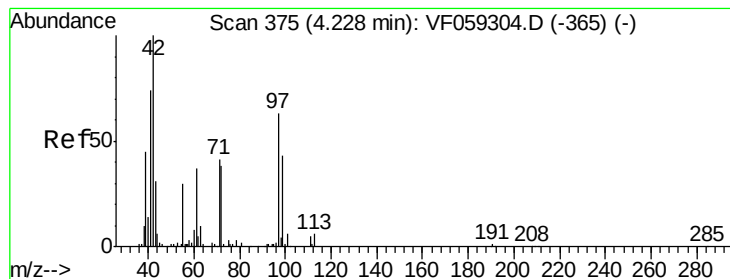


#28

Bromochloromethane
Concen: 26.231 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion	49	Resp	41235
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.4
130	86.2	75.1	112.7





#29

Tetrahydrofuran

Concen: 108.643 ug/l

RT: 4.24 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

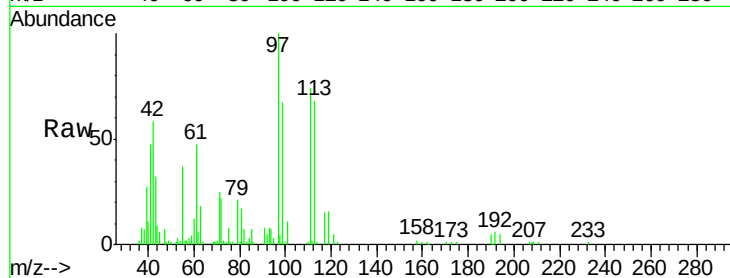
Tot Ion: 42 Resp: 47245

Ion Ratio Lower Upper

42 100

72 36.1 30.5 45.7

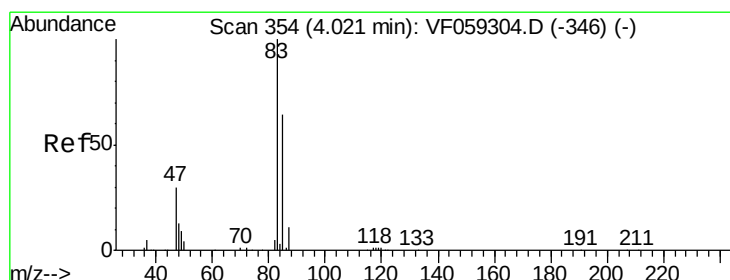
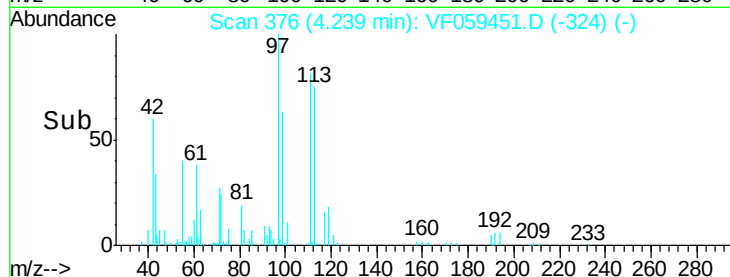
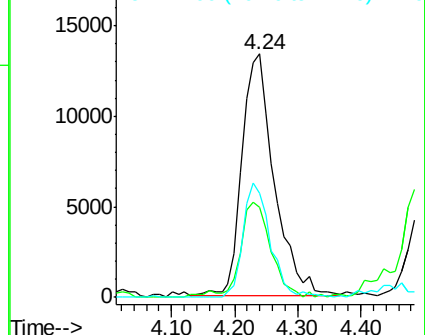
71 40.1 32.5 48.7



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: 23.817 ug/l

RT: 4.01 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF059451.D

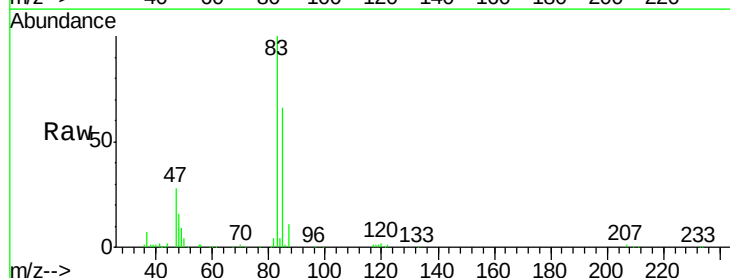
Acq: 6 Jul 2018 16:00

Tgt Ion: 83 Resp: 131058

Ion Ratio Lower Upper

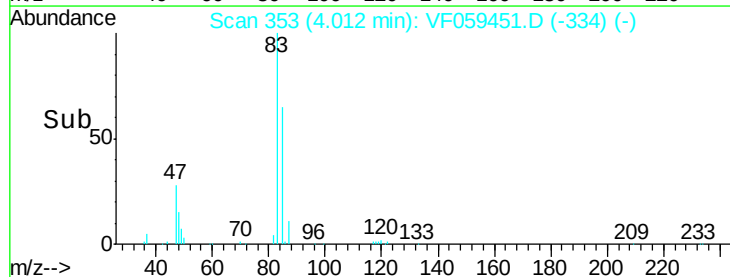
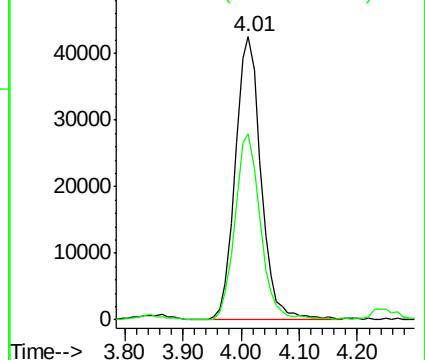
83 100

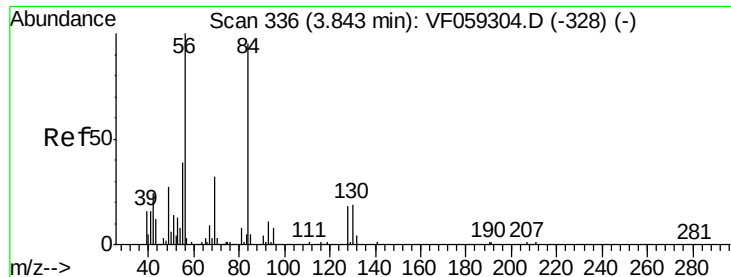
85 65.9 51.3 76.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

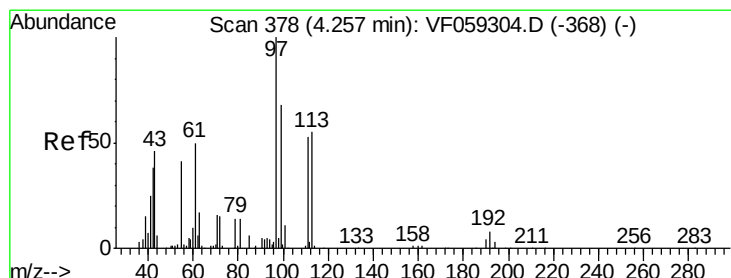
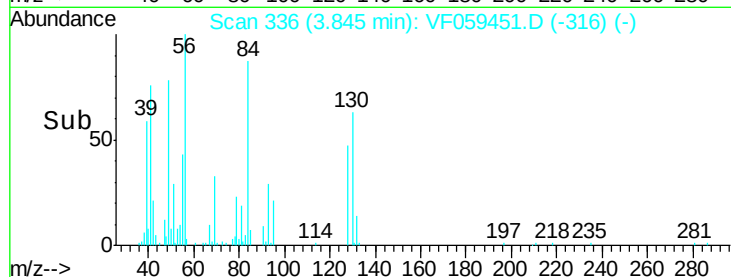
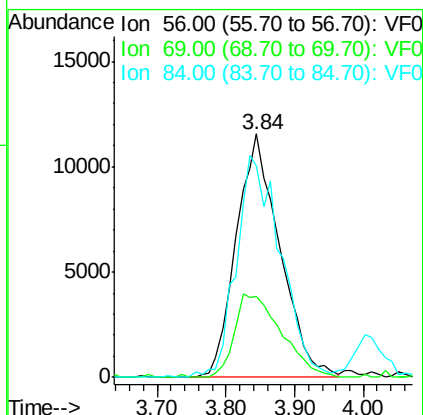
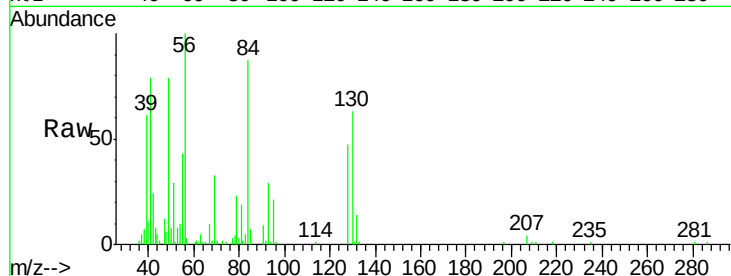




#31
Cyclohexane
Concen: 20.356 ug/l
RT: 3.84 min Scan# 336
Delta R.T. 0.00 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

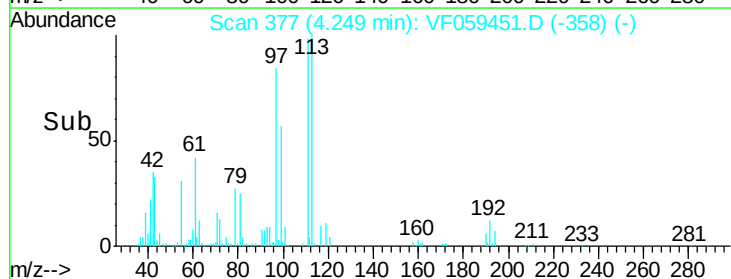
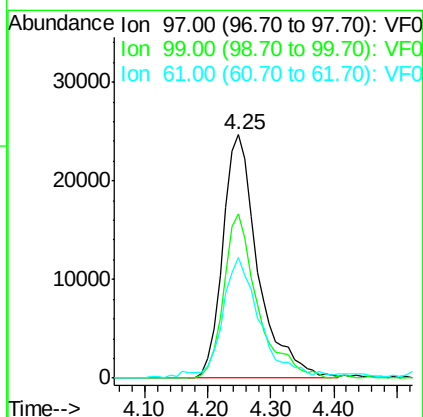
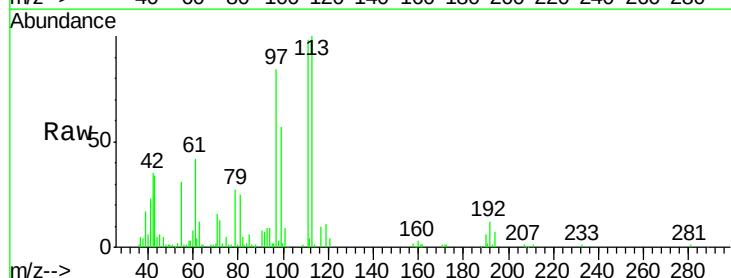
Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

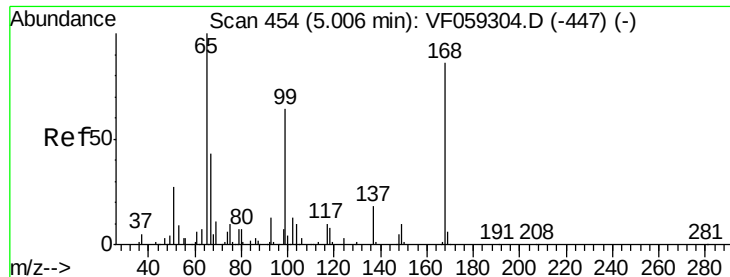
Tot Ion: 56 Resp: 50687
Ion Ratio Lower Upper
56 100
69 33.4 25.8 38.8
84 86.7 75.6 113.4



#32
1,1,1-Trichloroethane
Concen: 23.763 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion: 97 Resp: 95688
Ion Ratio Lower Upper
97 100
99 67.2 54.1 81.1
61 49.8 41.2 61.8

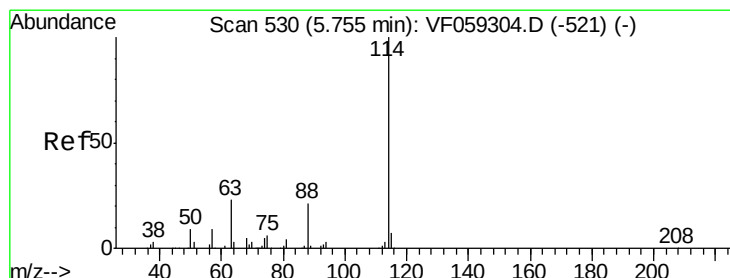
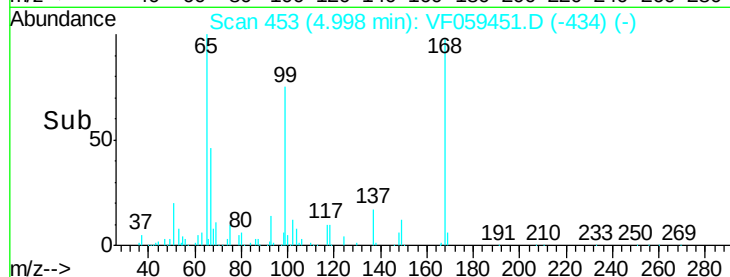
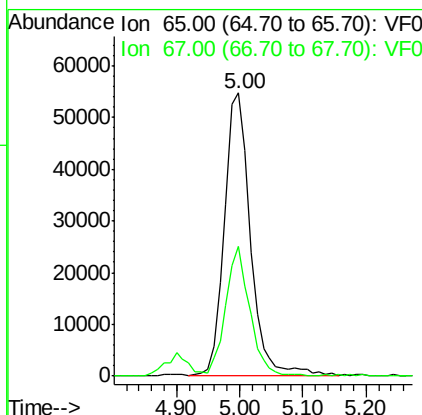
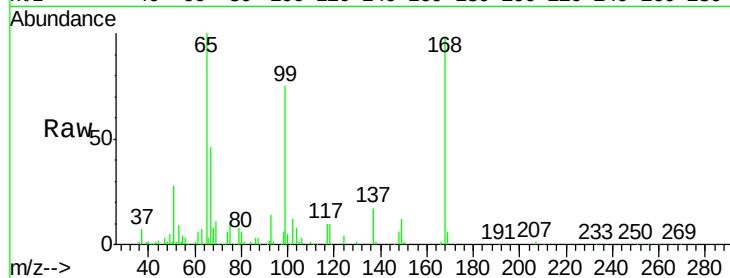




#33
 1,2-Dichloroethane-d4
 Concen: 48.121 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VF059451.D
 Acq: 6 Jul 2018 16:00

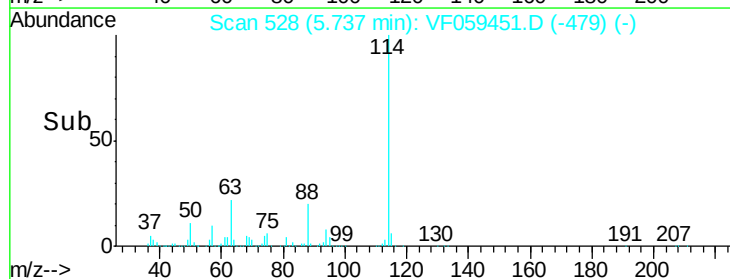
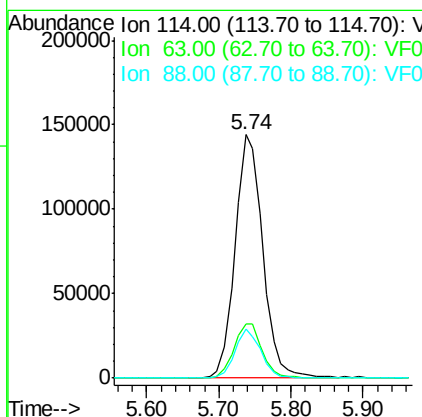
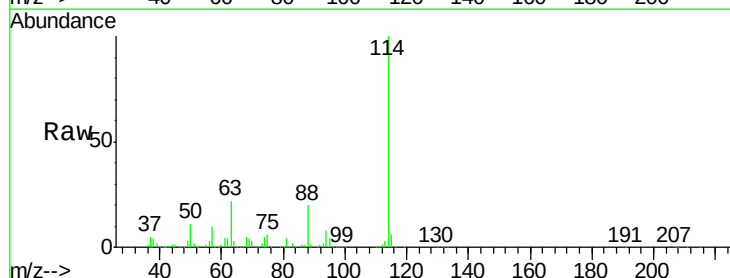
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBS01

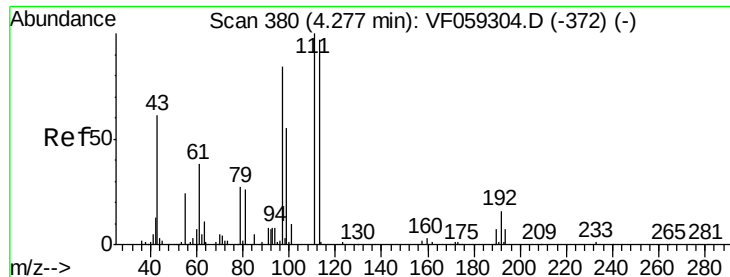
Tot Ion: 65 Resp: 155526
 Ion Ratio Lower Upper
 65 100
 67 46.0 0.0 96.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.74 min Scan# 528
 Delta R.T. -0.02 min
 Lab File: VF059451.D
 Acq: 6 Jul 2018 16:00

Tgt Ion: 114 Resp: 385658
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.8
 88 20.2 0.0 41.2





#35

Dibromofluoromethane

Concen: 50.347 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

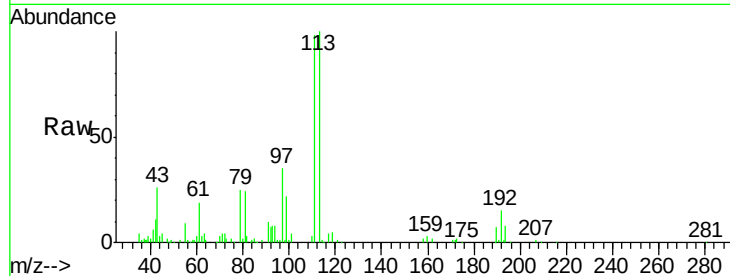
Tot Ion:113 Resp: 141873

Ion Ratio Lower Upper

113 100

111 98.1 82.1 123.1

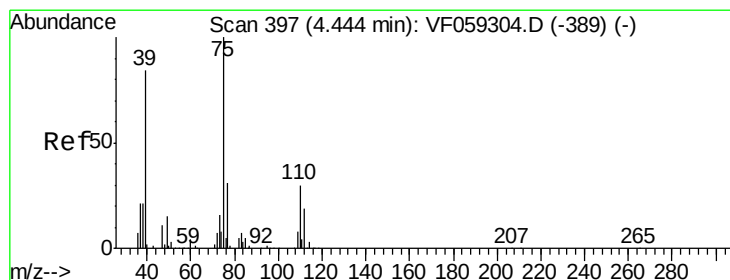
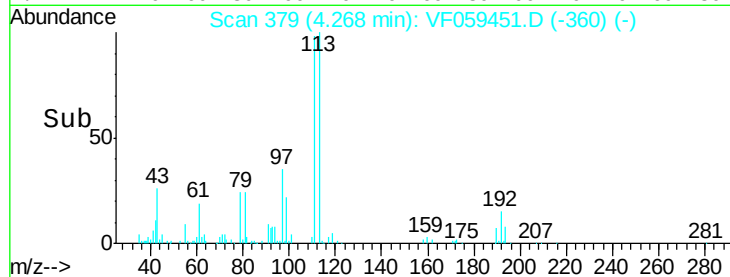
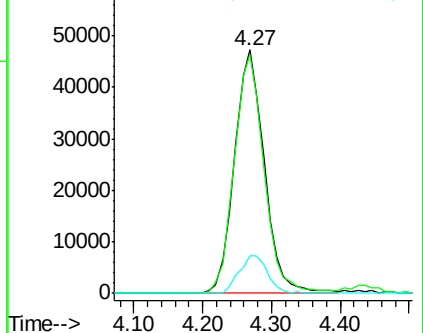
192 15.3 13.0 19.6



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: 22.231 ug/l

RT: 4.44 min Scan# 396

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

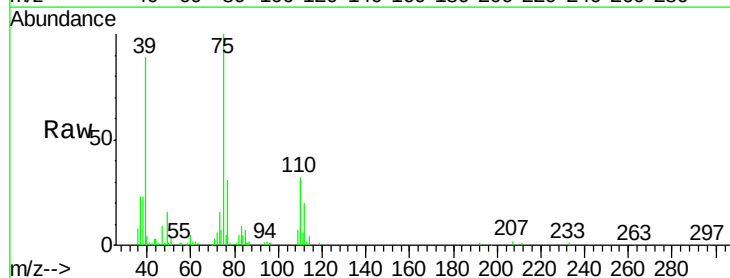
Tgt Ion: 75 Resp: 74896

Ion Ratio Lower Upper

75 100

110 32.1 14.8 44.4

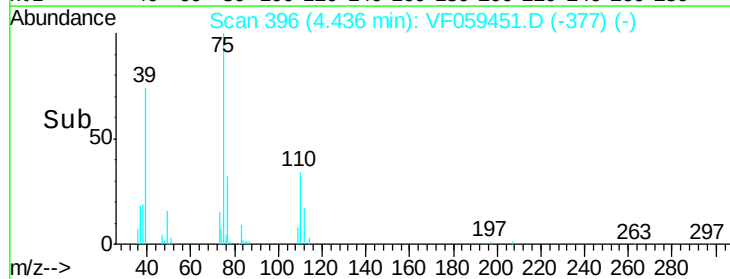
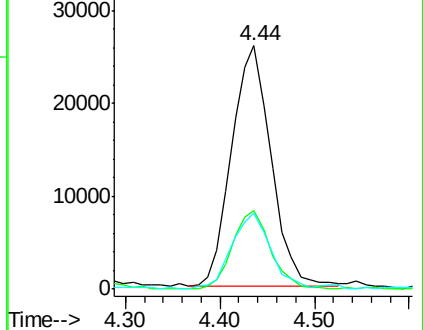
77 31.1 25.2 37.8

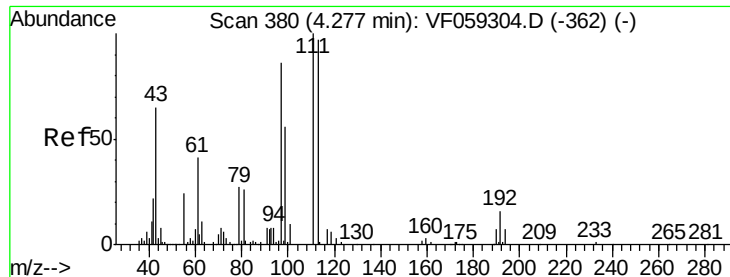


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 25.454 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.02 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

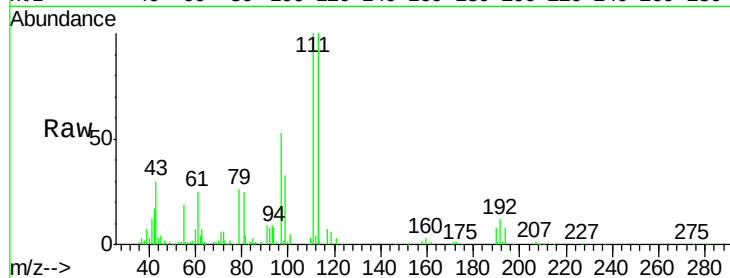
Tot Ion: 43 Resp: 56424

Ion Ratio Lower Upper

43 100

61 82.8 50.1 75.1#

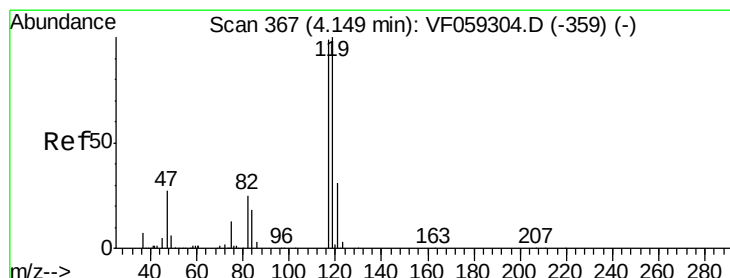
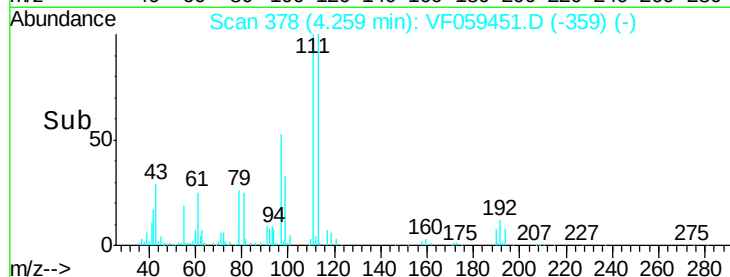
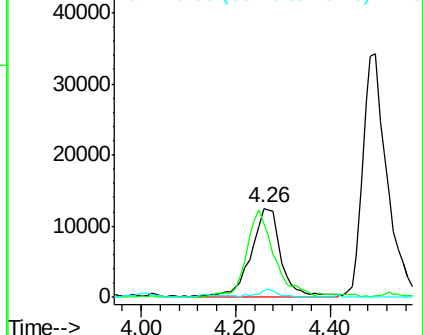
70 8.2 6.2 9.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 24.228 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

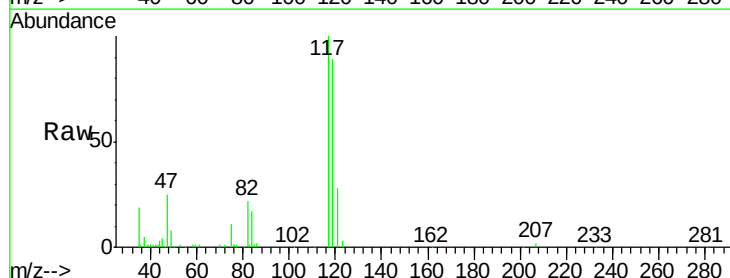
Tgt Ion: 117 Resp: 103010

Ion Ratio Lower Upper

117 100

119 88.9 81.0 121.4

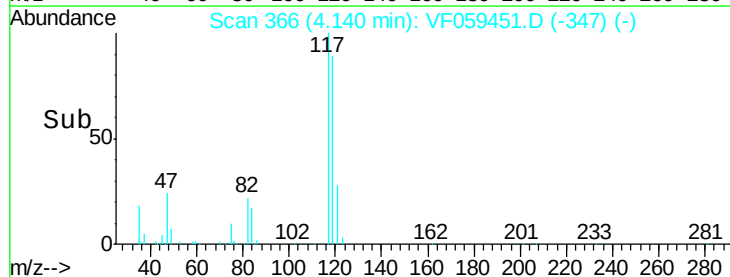
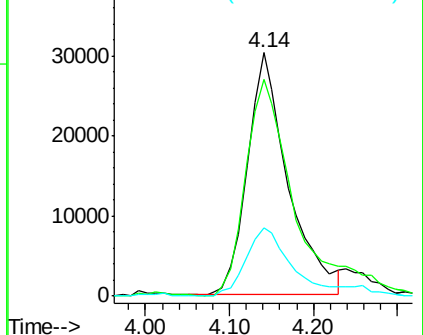
121 27.9 24.7 37.1

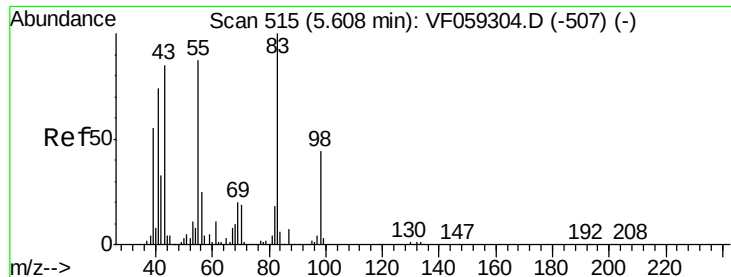


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

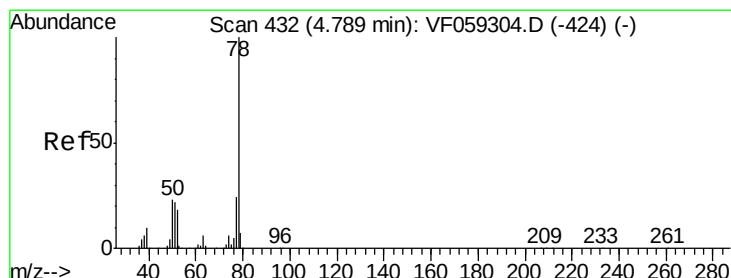
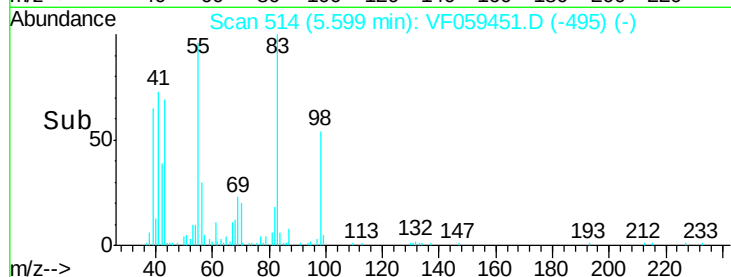
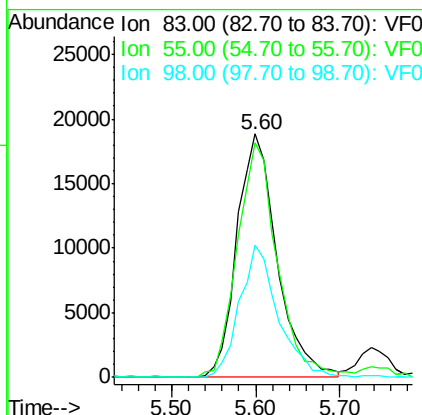
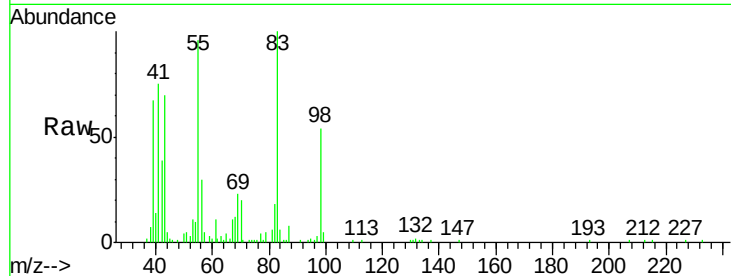




#39
Methylvlcyclohexane
Concen: 21.029 ug/l
RT: 5.60 min Scan# 514
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

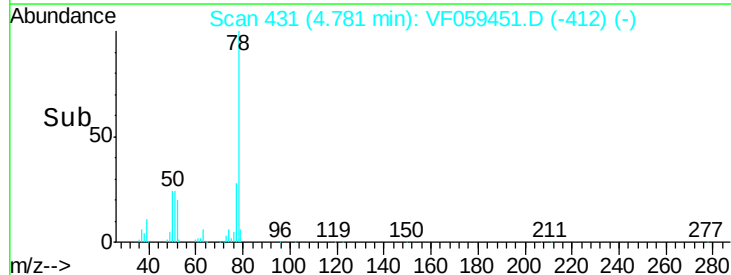
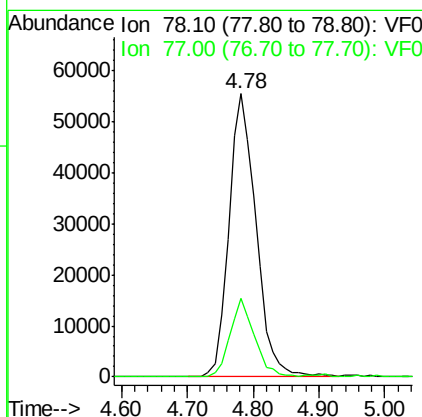
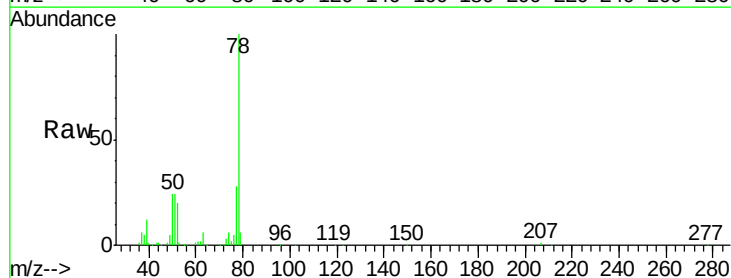
Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

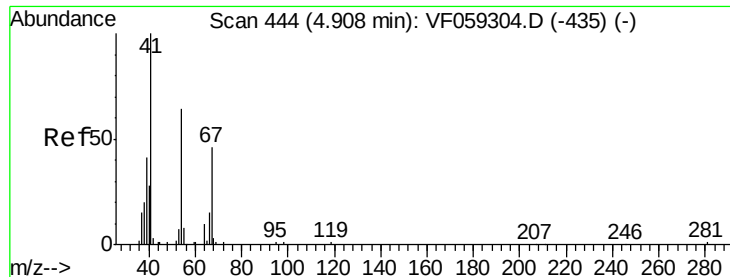
Tot Ion: 83 Resp: 62780
Ion Ratio Lower Upper
83 100
55 96.4 69.2 103.8
98 54.1 35.0 52.6#



#40
Benzene
Concen: 21.480 ug/l
RT: 4.78 min Scan# 431
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion: 78 Resp: 160456
Ion Ratio Lower Upper
78 100
77 27.8 19.6 29.4

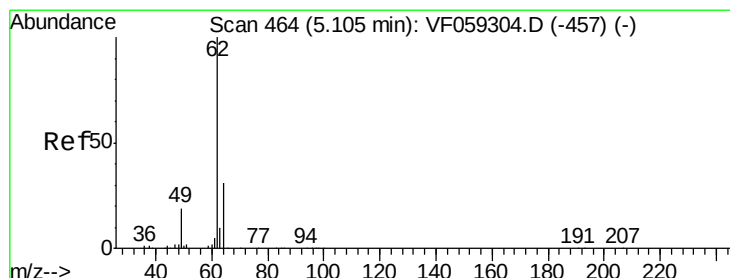
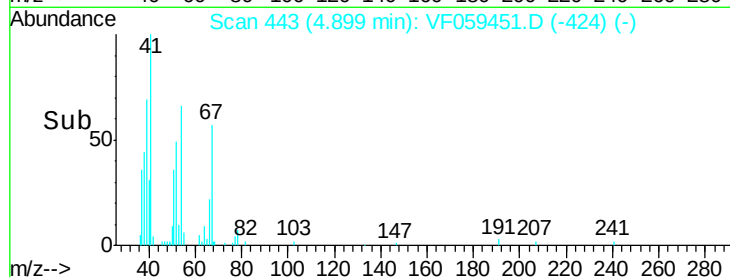
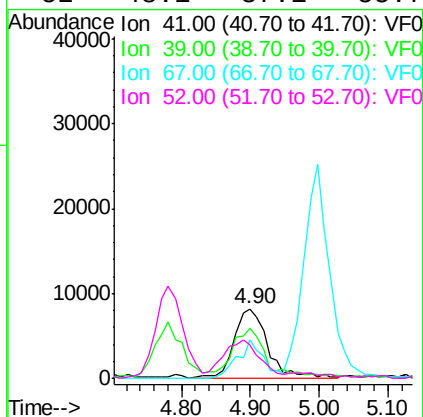
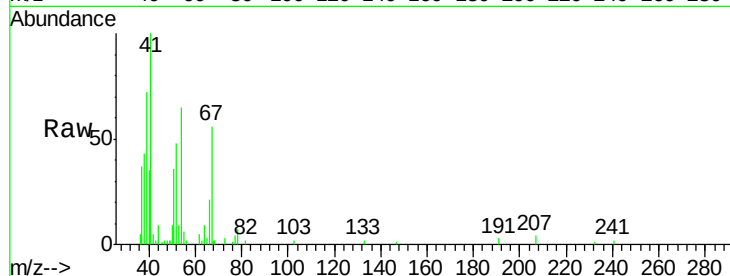




#41
Methacrylonitrile
Concen: 24.022 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

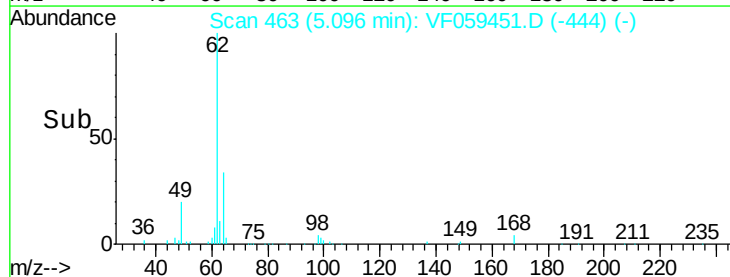
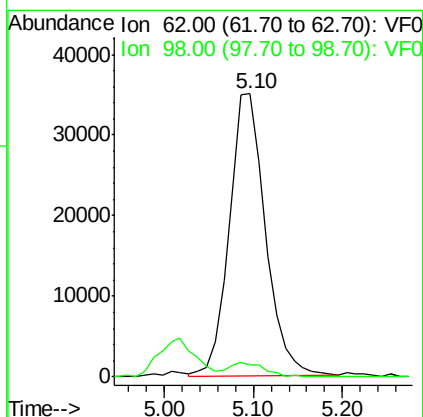
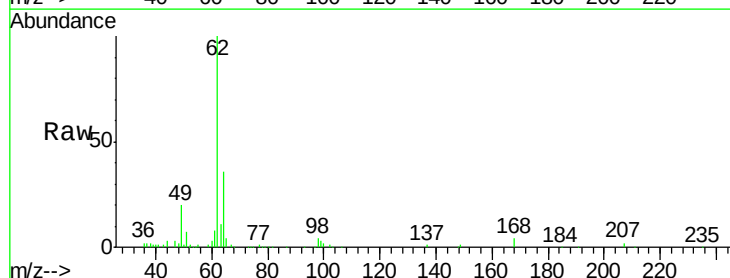
Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

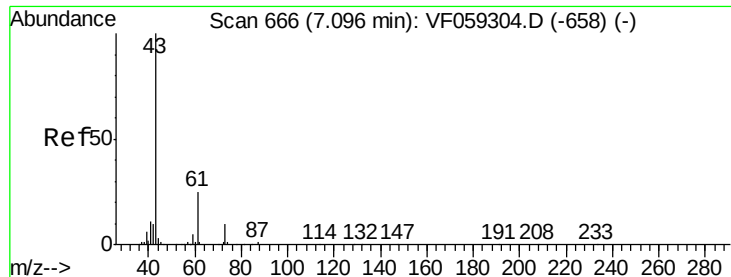
Tot Ion: 41 Resp: 27607
Ion Ratio Lower Upper
41 100
39 71.7 50.0 75.0
67 56.2 37.0 55.6#
52 48.1 37.1 55.7



#42
1,2-Dichloroethane
Concen: 22.750 ug/l
RT: 5.10 min Scan# 463
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion: 62 Resp: 99300
Ion Ratio Lower Upper
62 100
98 4.1 0.0 11.4





#43

Isopropyl Acetate

Concen: 20.758 ug/l

RT: 7.09 min Scan# 665

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

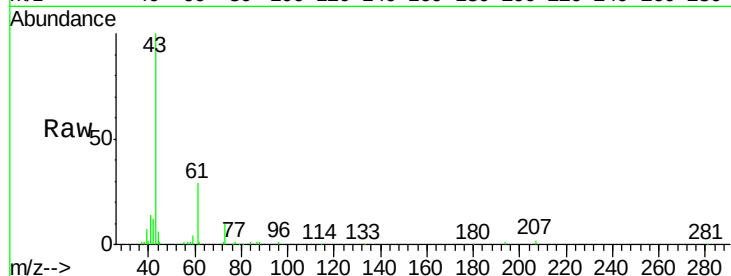
Tot Ion: 43 Resp: 58252

Ion Ratio Lower Upper

43 100

61 28.9 19.7 29.5

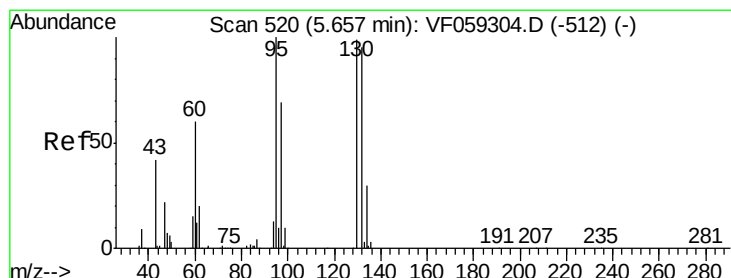
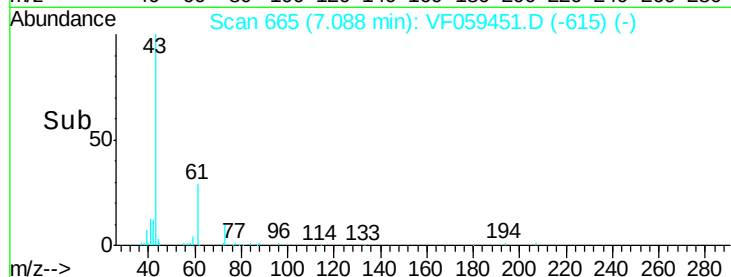
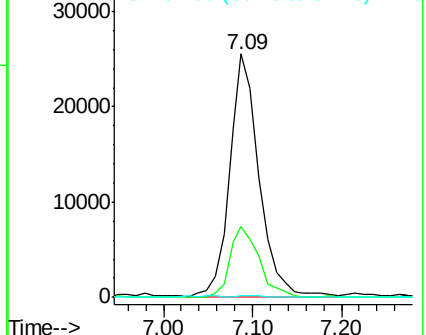
87 0.6 0.5 0.7



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: 21.768 ug/l

RT: 5.65 min Scan# 519

Delta R.T. -0.01 min

Lab File: VF059451.D

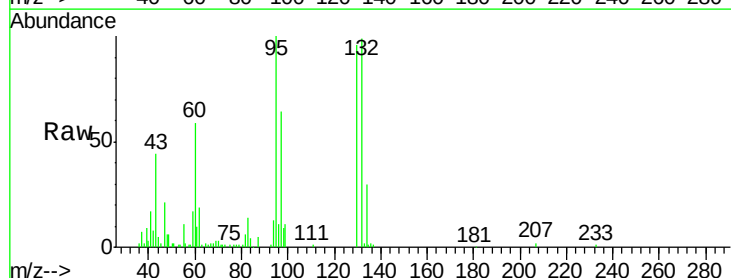
Acq: 6 Jul 2018 16:00

Tgt Ion:130 Resp: 55780

Ion Ratio Lower Upper

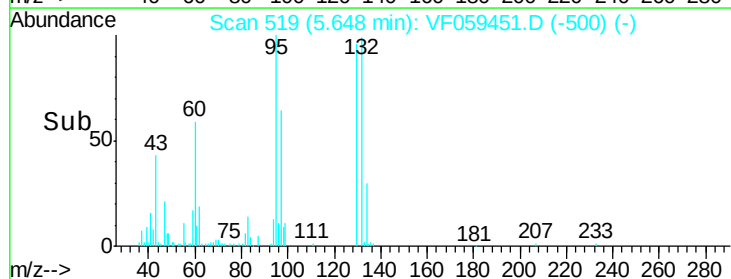
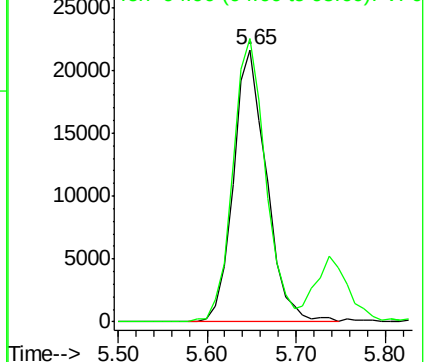
130 100

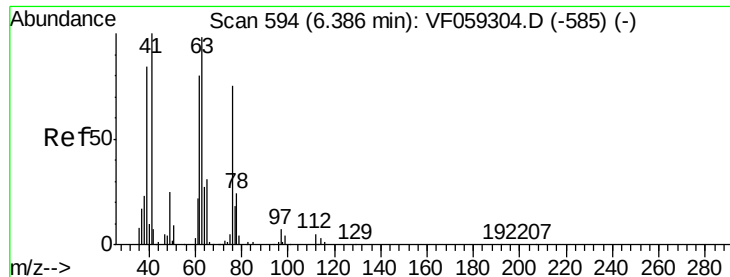
95 104.0 0.0 202.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.745 ug/l

RT: 6.38 min Scan# 593

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

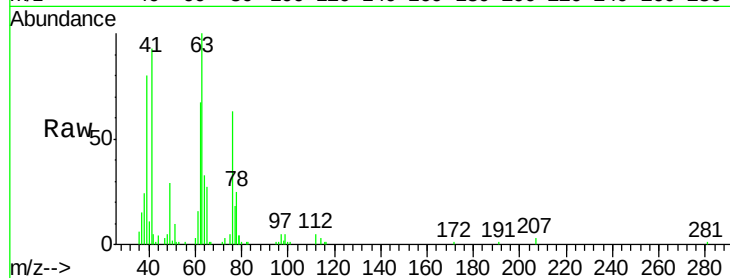
VF0706SBS01

Tot Ion: 63 Resp: 46409

Ion Ratio Lower Upper

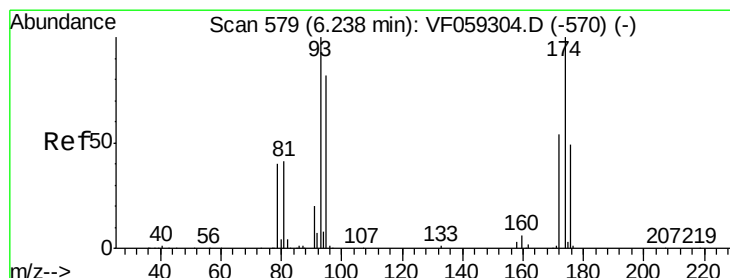
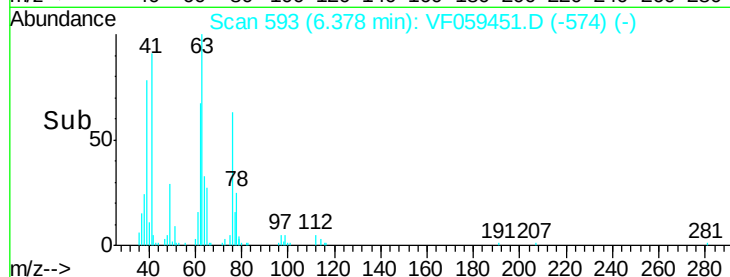
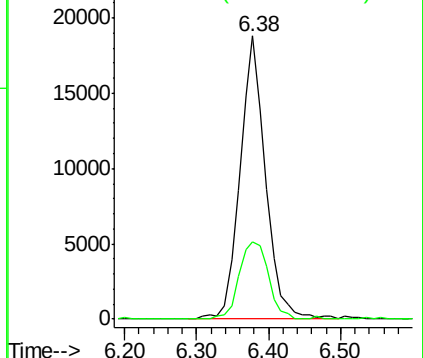
63 100

65 27.2 25.3 37.9



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 22.382 ug/l

RT: 6.23 min Scan# 578

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

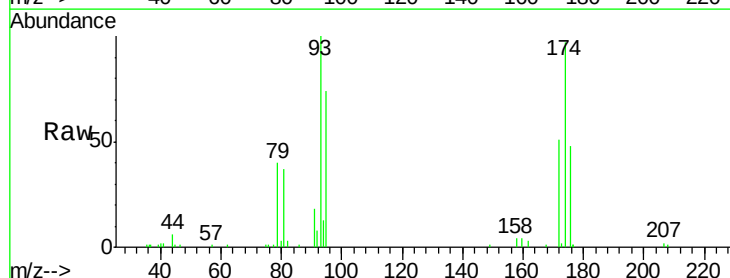
Tgt Ion: 93 Resp: 41459

Ion Ratio Lower Upper

93 100

95 74.1 65.6 98.4

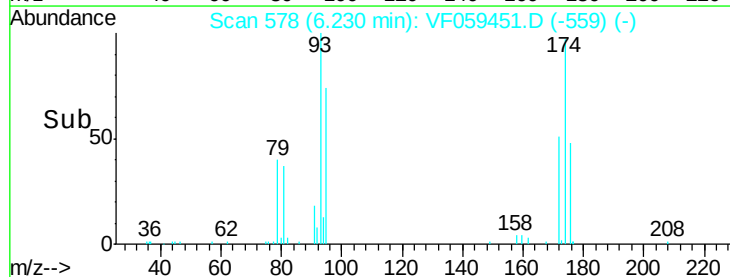
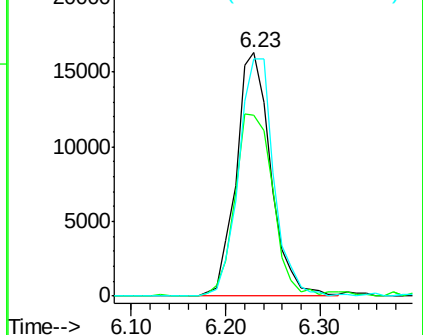
174 97.2 80.0 120.0

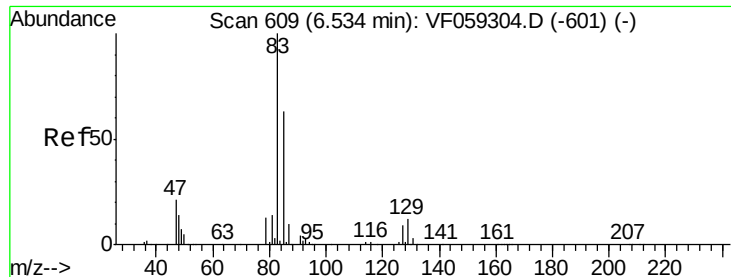


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 23.112 ug/l

RT: 6.53 min Scan# 608

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

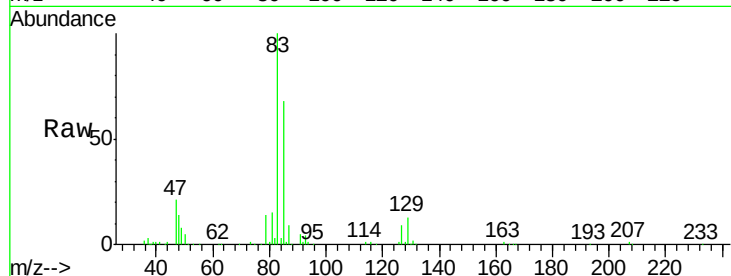
Tot Ion: 83 Resp: 103636

Ion Ratio Lower Upper

83 100

85 68.1 50.2 75.2

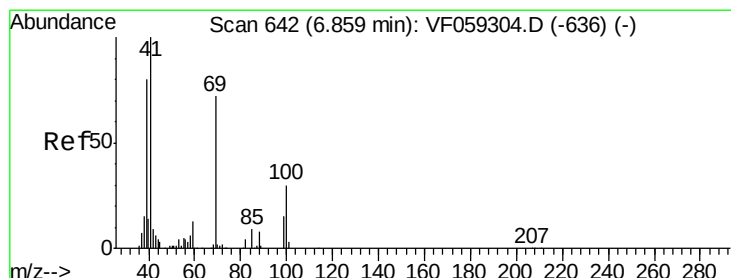
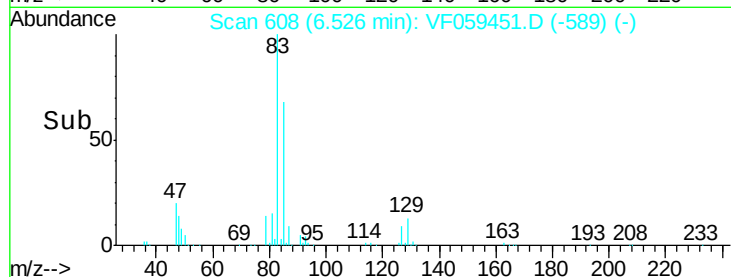
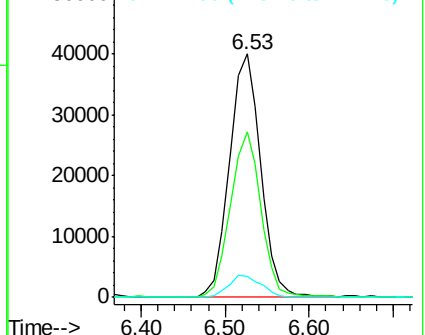
127 8.7 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 20.385 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

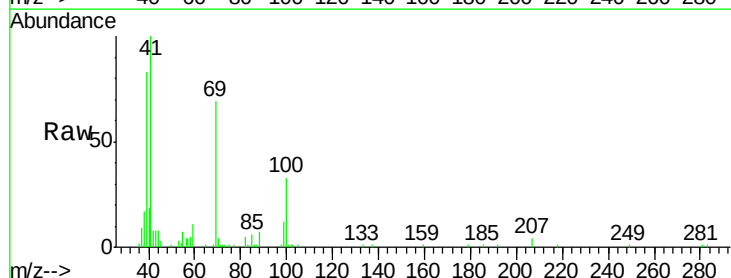
Tgt Ion: 41 Resp: 38340

Ion Ratio Lower Upper

41 100

69 68.5 57.3 85.9

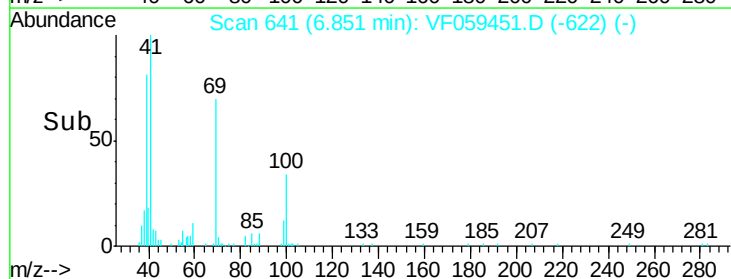
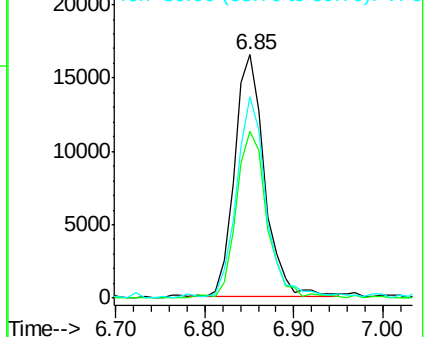
39 82.6 64.4 96.6

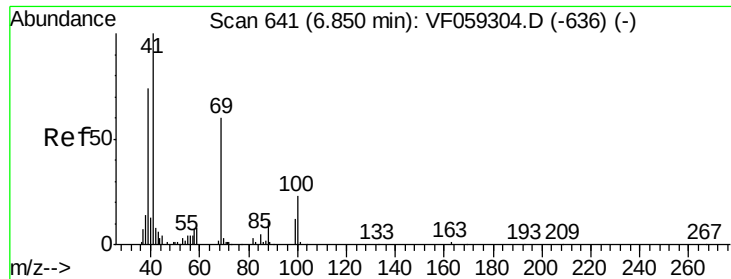


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

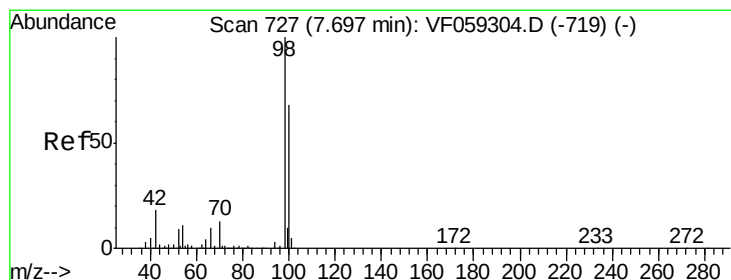
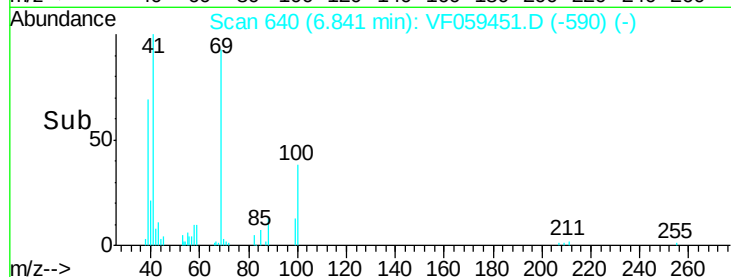
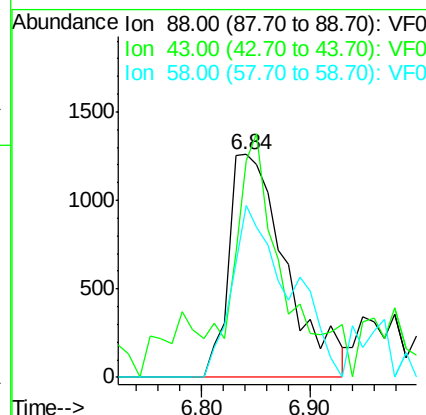
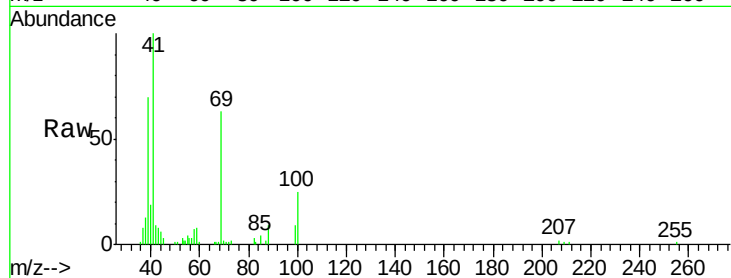




#49
1,4-Dioxane
Concen: 436.714 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

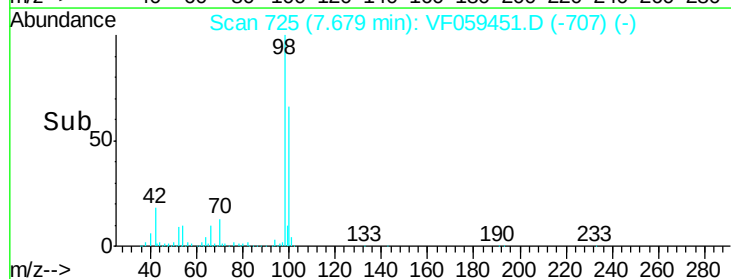
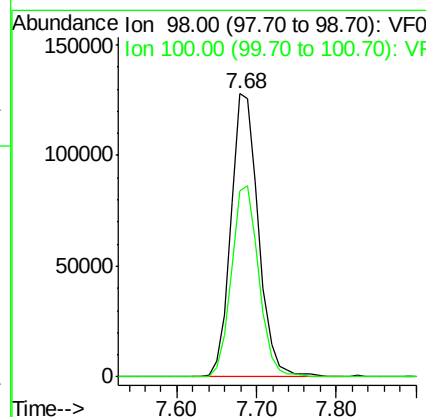
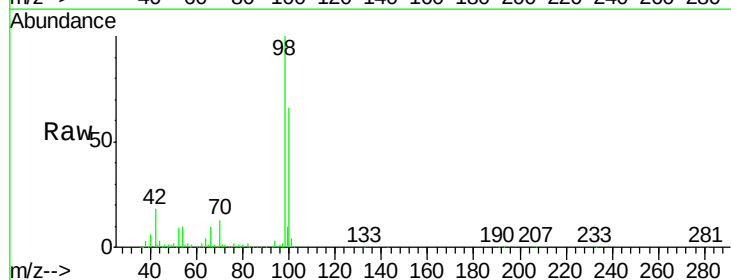
Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

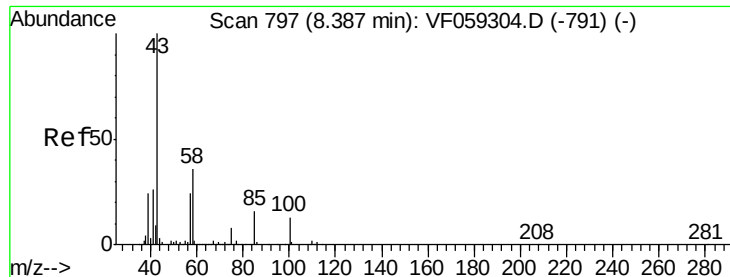
Tot Ion: 88 Resp: 4623
Ion Ratio Lower Upper
88 100
43 97.2 50.6 75.8#
58 77.4 46.6 69.8#



#50
Toluene-d8
Concen: 44.542 ug/l
RT: 7.68 min Scan# 725
Delta R.T. -0.02 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion: 98 Resp: 310758
Ion Ratio Lower Upper
98 100
100 65.7 54.6 82.0





#51

4-Methyl-2-Pentanone

Concen: 111.457 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

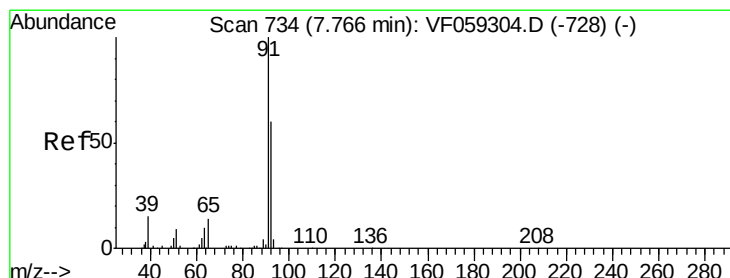
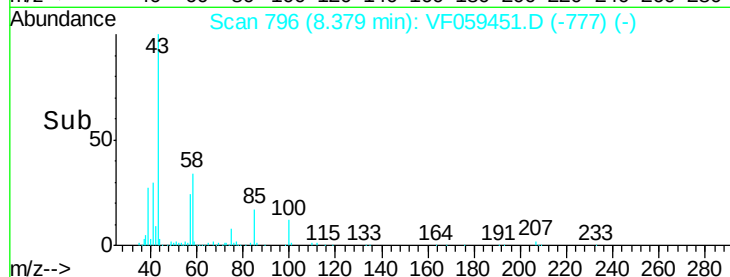
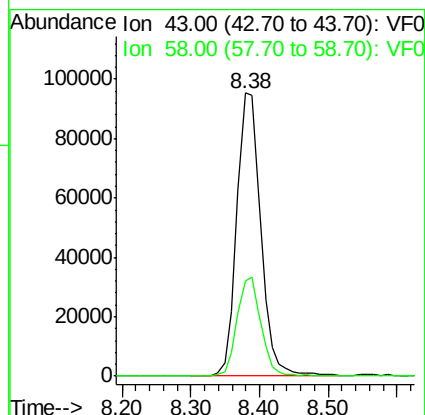
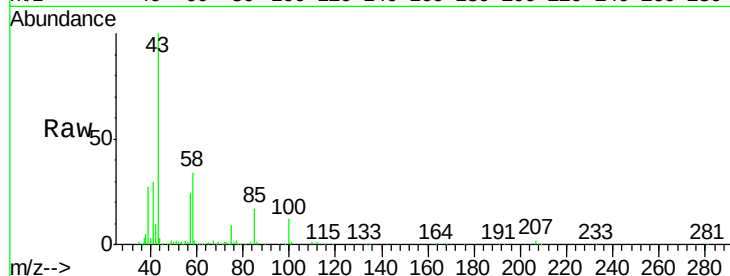
VF0706SBS01

Tot Ion: 43 Resp: 231719

Ion Ratio Lower Upper

43 100

58 33.6 28.4 42.6



#52

Toluene

Concen: 21.044 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059451.D

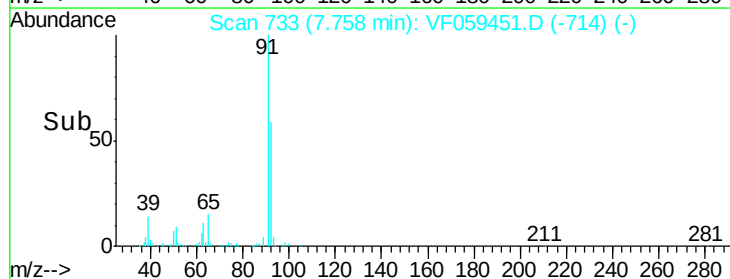
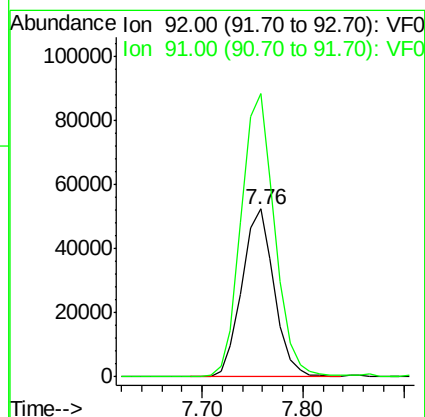
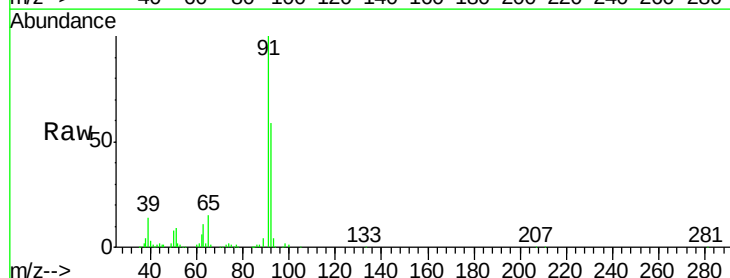
Acq: 6 Jul 2018 16:00

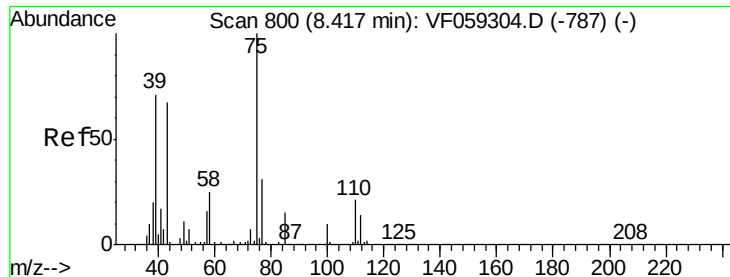
Tgt Ion: 92 Resp: 117627

Ion Ratio Lower Upper

92 100

91 168.5 132.8 199.2





#53

t-1,3-Dichloropropene

Concen: 23.021 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.02 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

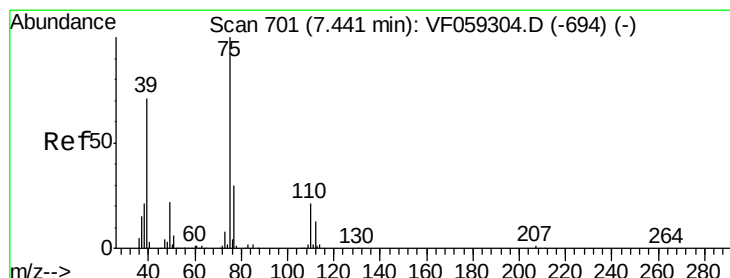
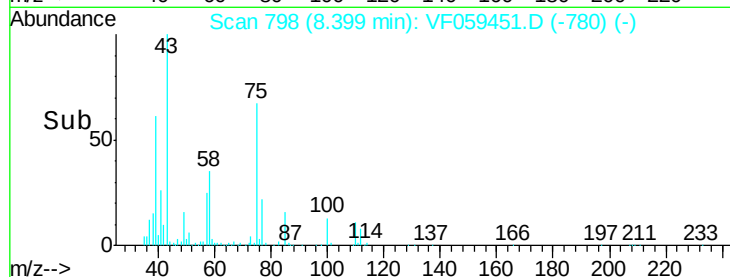
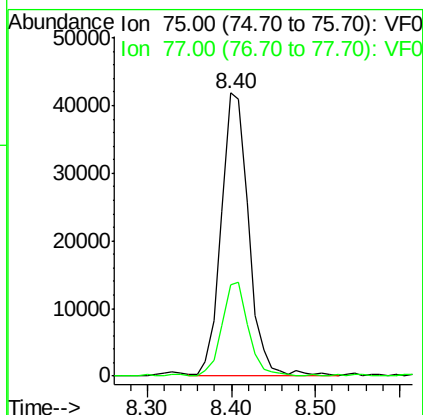
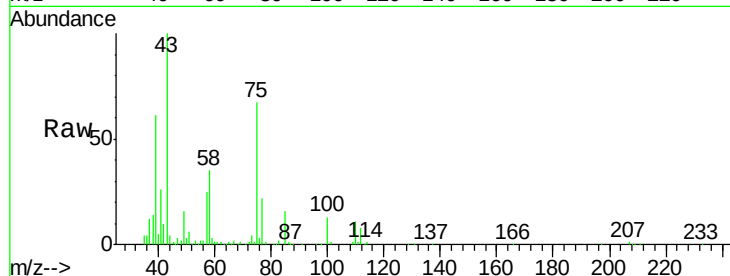
VF0706SBS01

Tot Ion: 75 Resp: 94094

Ion Ratio Lower Upper

75 100

77 32.5 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 21.726 ug/l

RT: 7.43 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

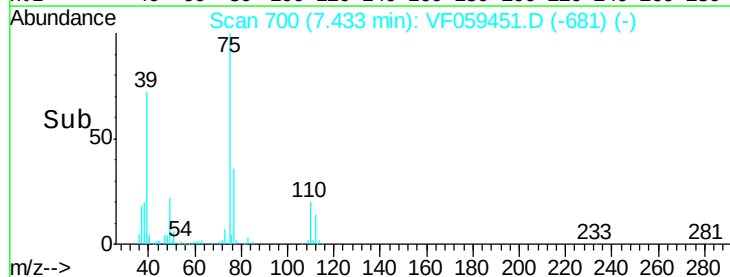
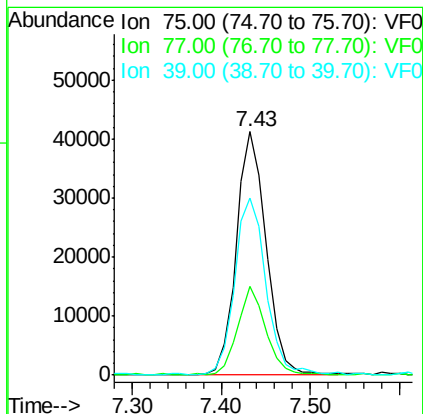
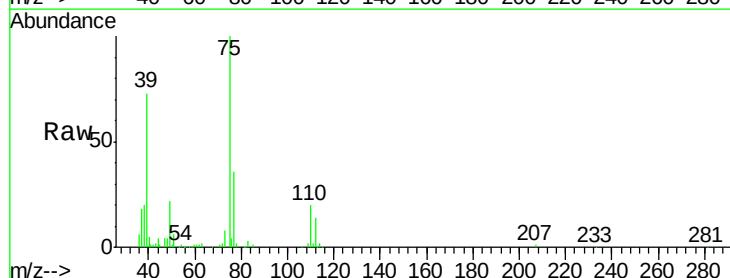
Tgt Ion: 75 Resp: 96454

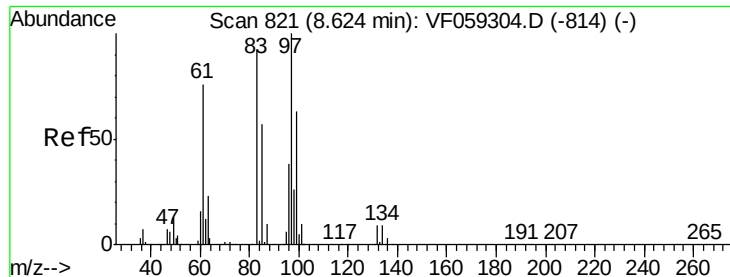
Ion Ratio Lower Upper

75 100

77 36.3 24.3 36.5

39 72.5 57.2 85.8





#55

1,1,2-Trichloroethane

Concen: 21.899 ug/l

RT: 8.62 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

Tot Ion: 97 Resp: 47525

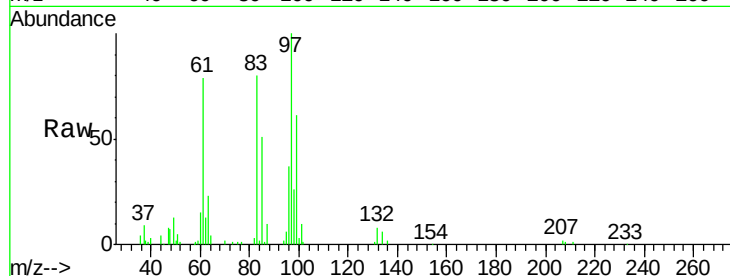
Ion Ratio Lower Upper

97 100

83 80.1 73.8 110.8

85 51.1 45.5 68.3

99 61.4 50.7 76.1

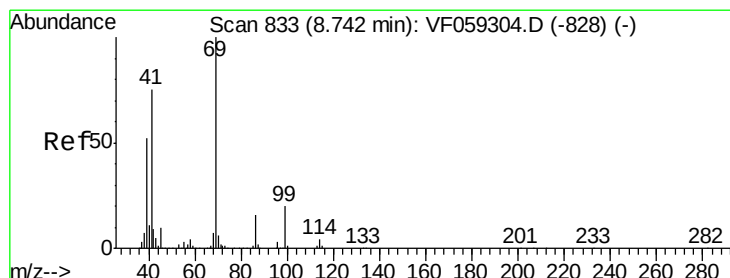
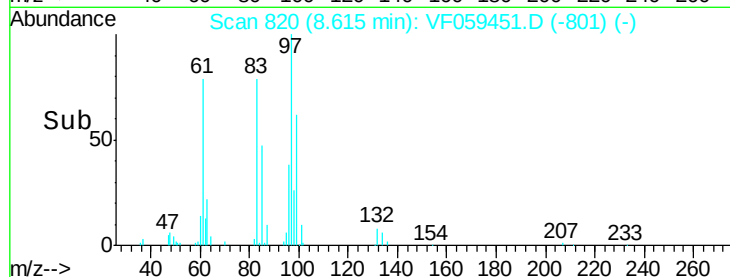
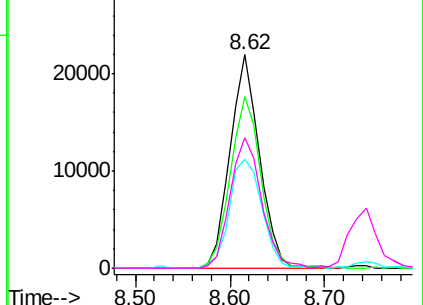


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 20.049 ug/l

RT: 8.73 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

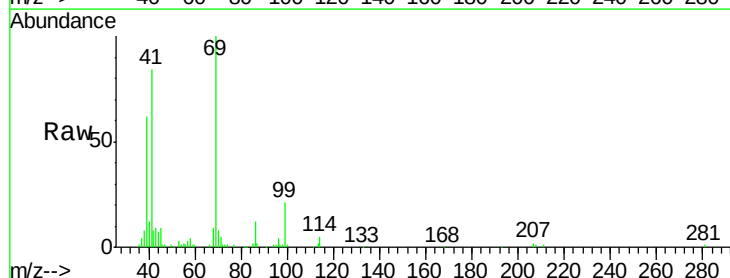
Tgt Ion: 69 Resp: 53900

Ion Ratio Lower Upper

69 100

41 83.6 60.3 90.5

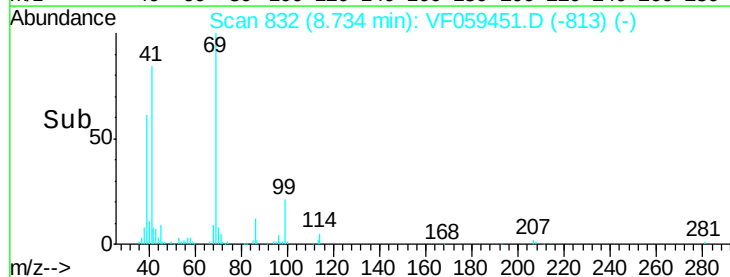
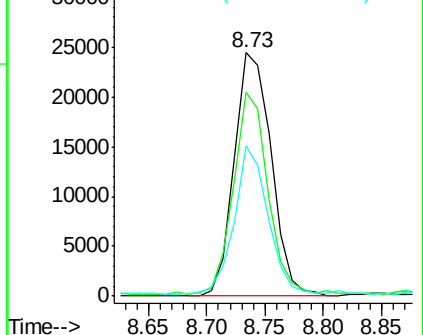
39 61.5 42.2 63.4

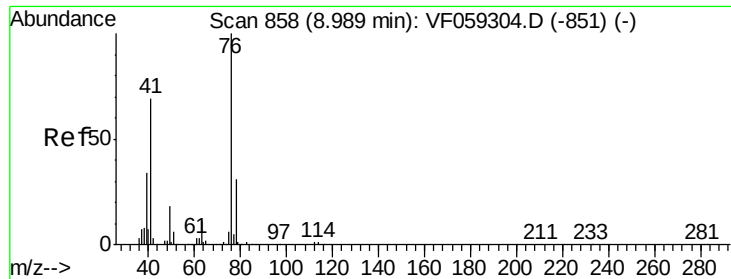


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.220 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

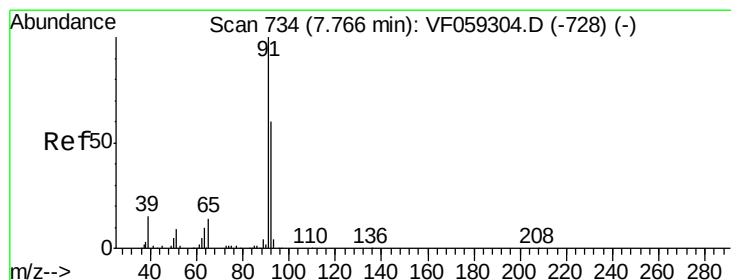
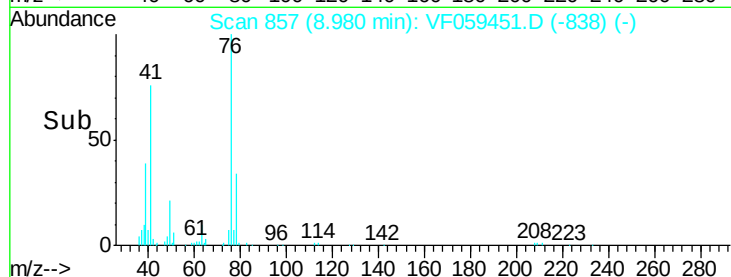
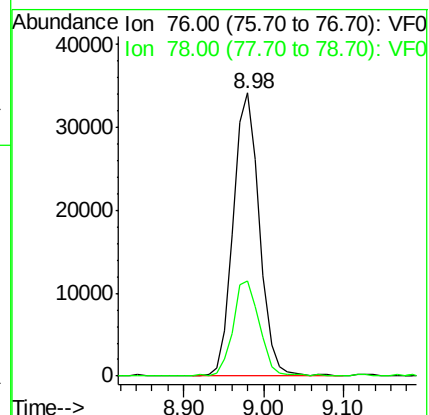
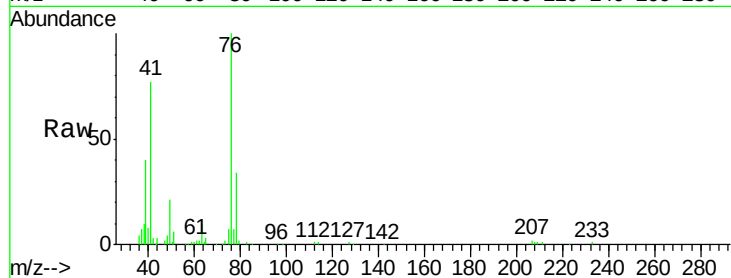
VF0706SBS01

Tot Ion: 76 Resp: 78981

Ion Ratio Lower Upper

76 100

78 33.9 24.9 37.3



#58

2-Chloroethyl Vinyl ether

Concen: 117.602 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059451.D

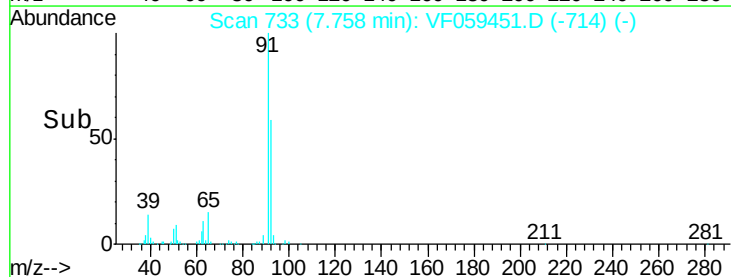
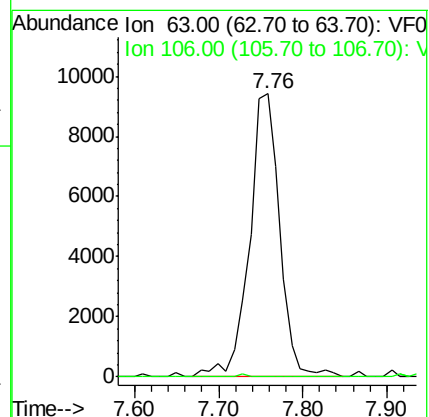
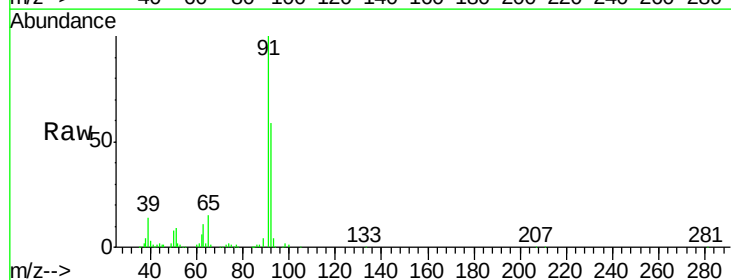
Acq: 6 Jul 2018 16:00

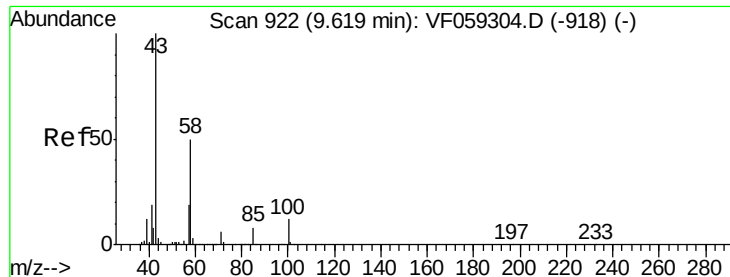
Tgt Ion: 63 Resp: 23712

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

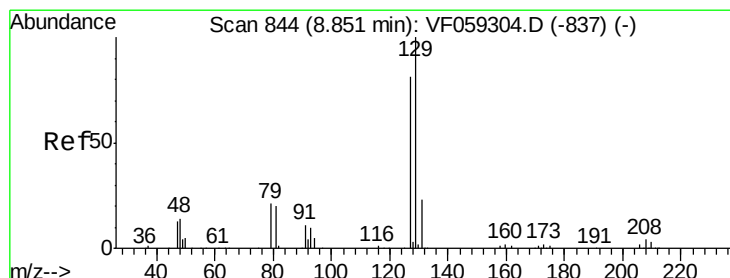
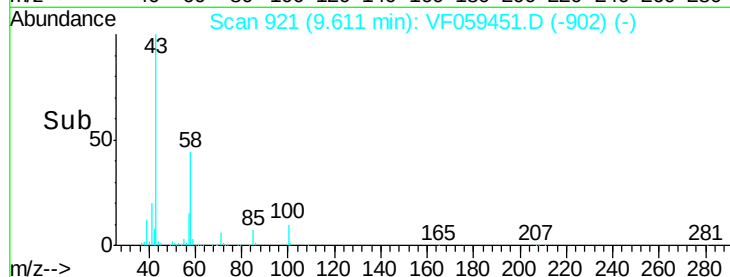
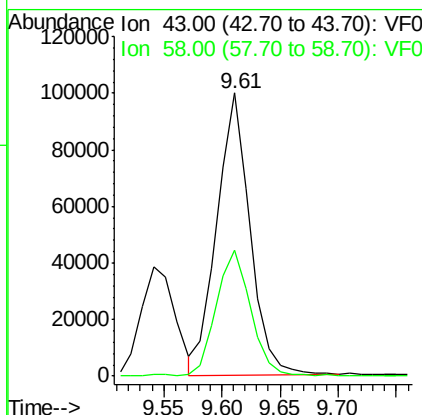
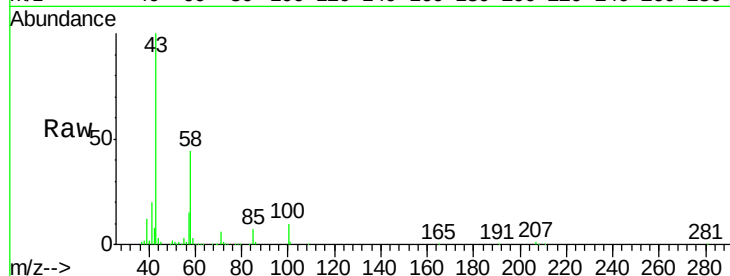




#59
2-Hexanone
Concen: 116.967 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

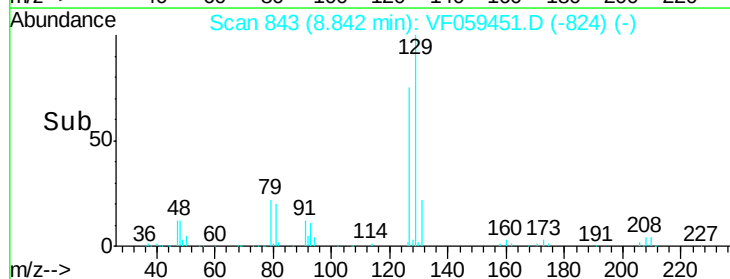
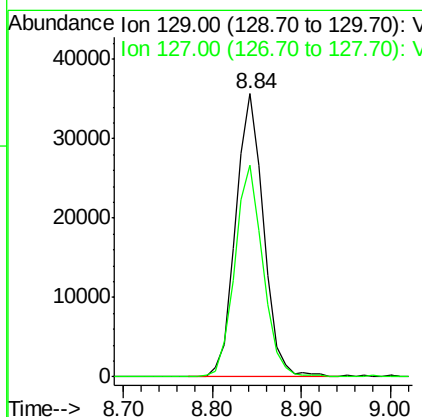
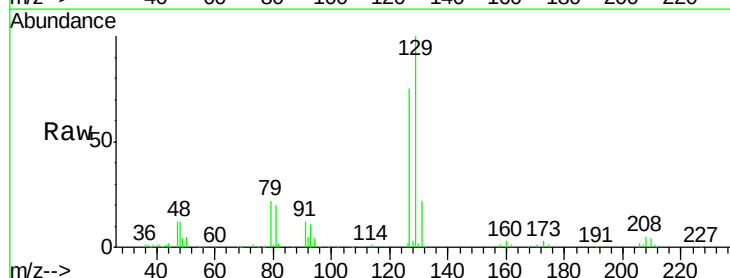
Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

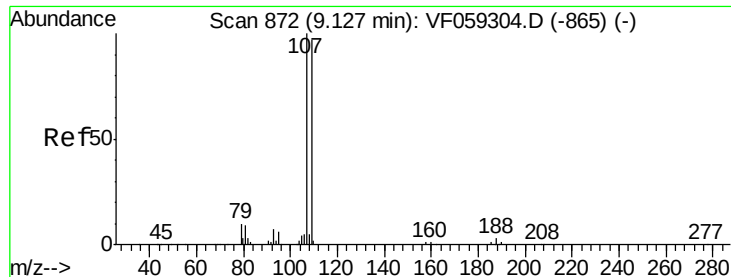
Tot Ion: 43 Resp: 196732
Ion Ratio Lower Upper
43 100
58 44.3 23.3 69.9



#60
Dibromochloromethane
Concen: 23.307 ug/l
RT: 8.84 min Scan# 843
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion: 129 Resp: 78088
Ion Ratio Lower Upper
129 100
127 74.9 40.7 122.1





#61

1,2-Dibromoethane

Concen: 21.548 ug/l

RT: 9.11 min Scan# 870

Delta R.T. -0.02 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

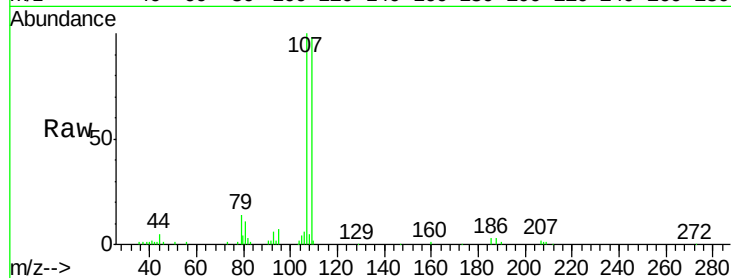
VF0706SBS01

Tot Ion:107 Resp: 56713

Ion Ratio Lower Upper

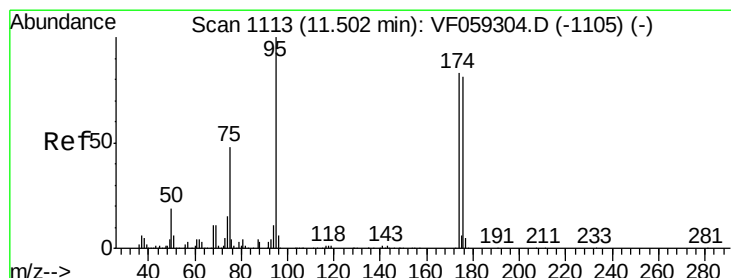
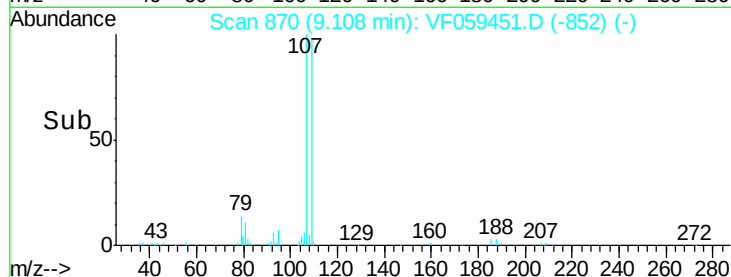
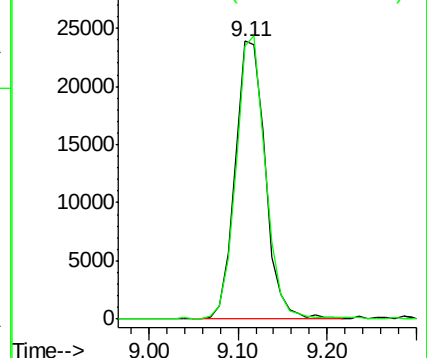
107 100

109 98.2 77.3 115.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.735 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

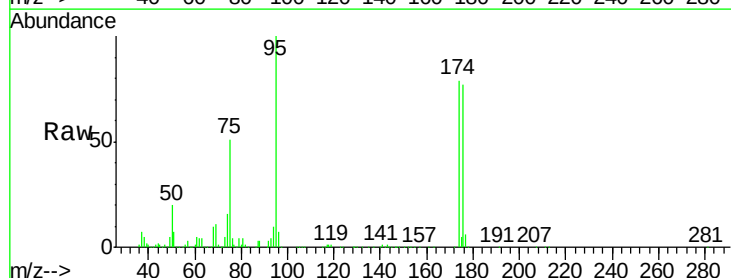
Tgt Ion: 95 Resp: 191797

Ion Ratio Lower Upper

95 100

174 78.8 0.0 165.2

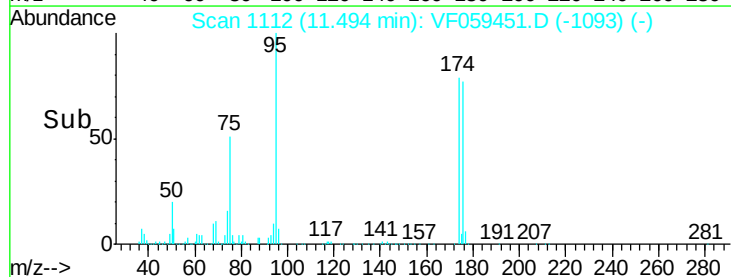
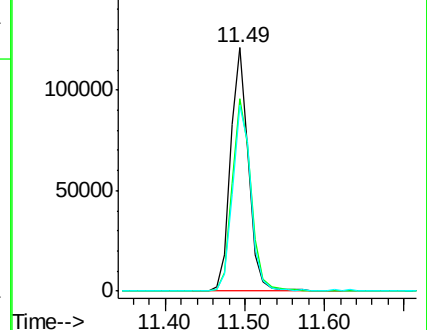
176 76.5 0.0 161.0

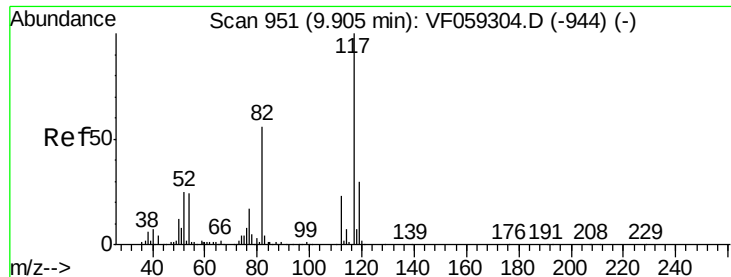


Abundance Ion 95.00 (94.70 to 95.70): VF0

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: 9.90 min Scan# 950

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

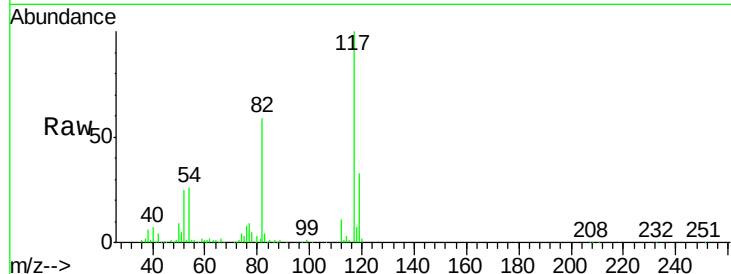
Tot Ion:117 Resp: 392523

Ion Ratio Lower Upper

117 100

82 59.1 44.6 66.8

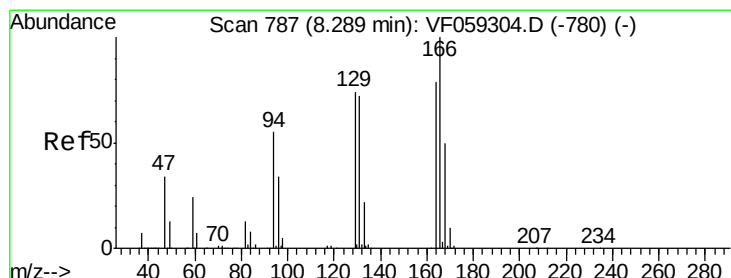
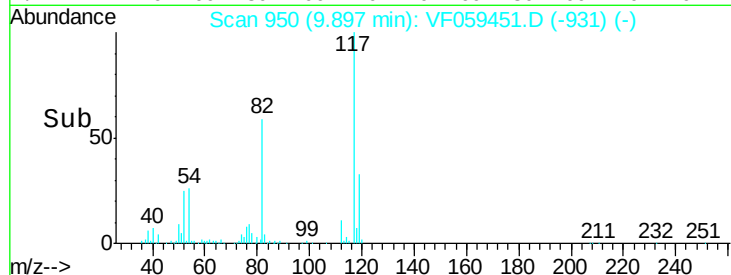
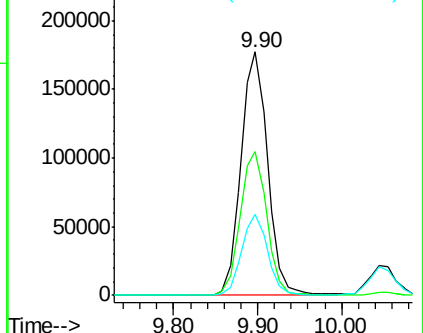
119 33.4 24.1 36.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 22.538 ug/l

RT: 8.28 min Scan# 786

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Tgt Ion:164 Resp: 57377

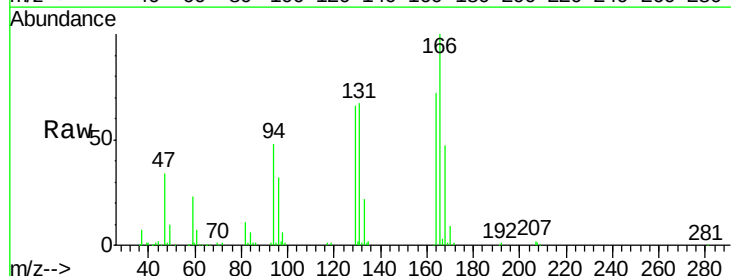
Ion Ratio Lower Upper

164 100

166 138.6 101.1 151.7

129 91.7 75.0 112.4

131 92.7 73.3 109.9

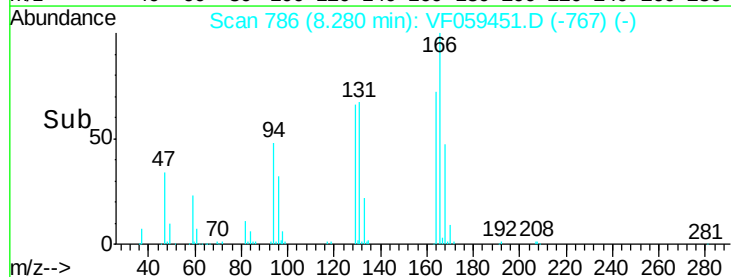
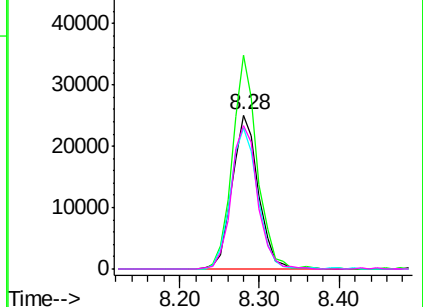


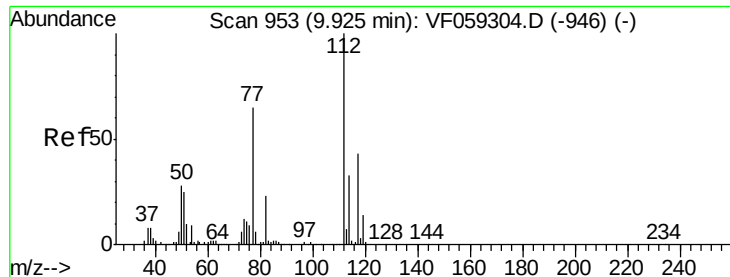
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 21.467 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

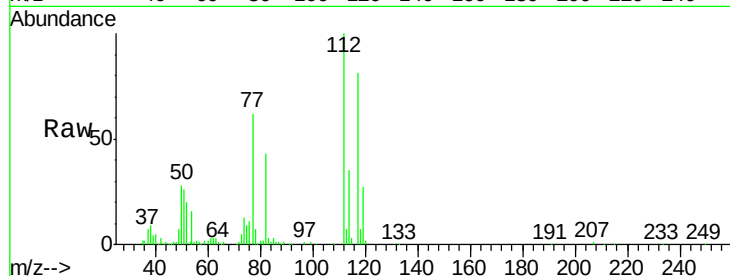
VF0706SBS01

Tot Ion:112 Resp: 156142

Ion Ratio Lower Upper

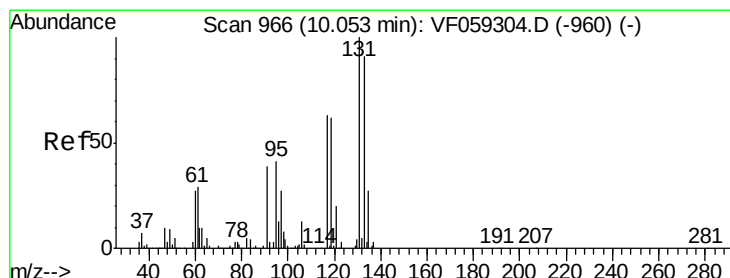
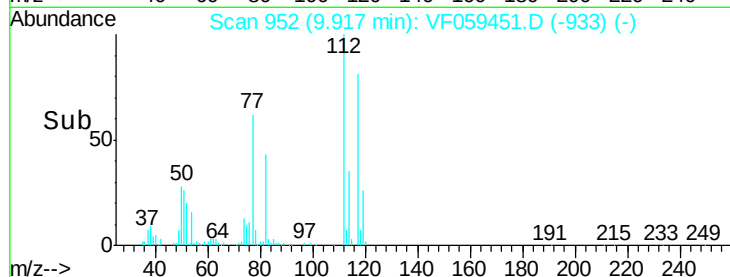
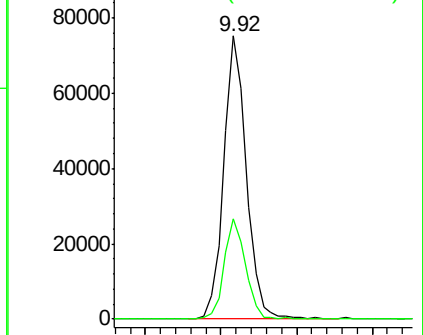
112 100

114 35.5 26.5 39.7



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: 22.832 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

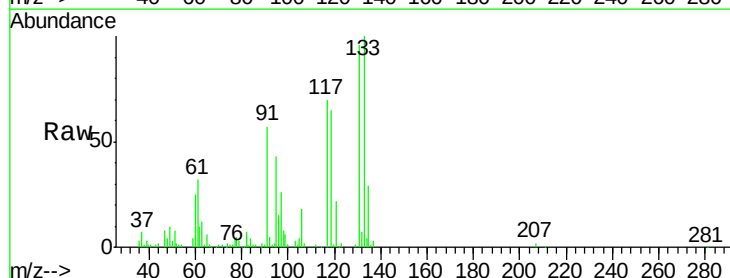
Tgt Ion:131 Resp: 71825

Ion Ratio Lower Upper

131 100

133 104.6 45.3 135.9

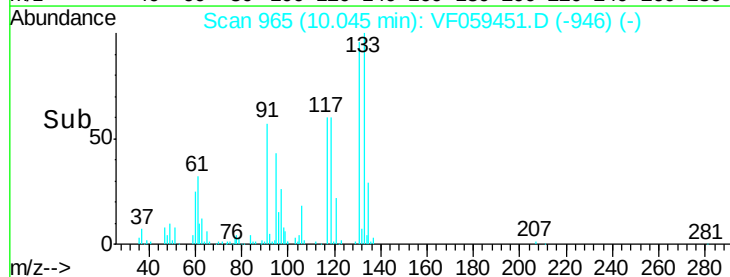
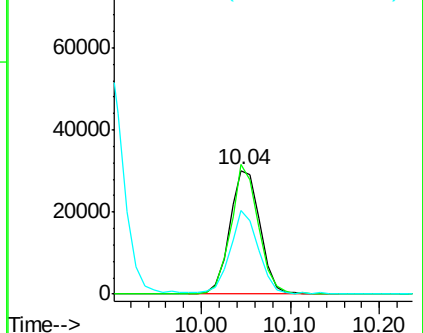
119 67.8 31.3 93.9

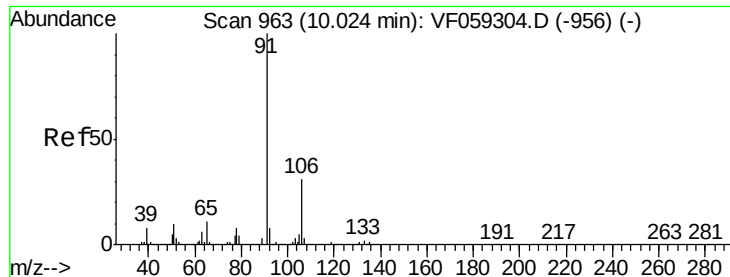


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

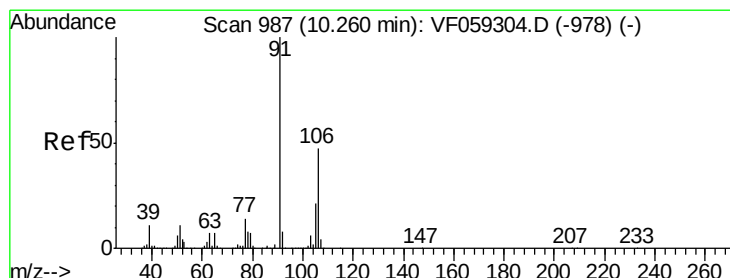
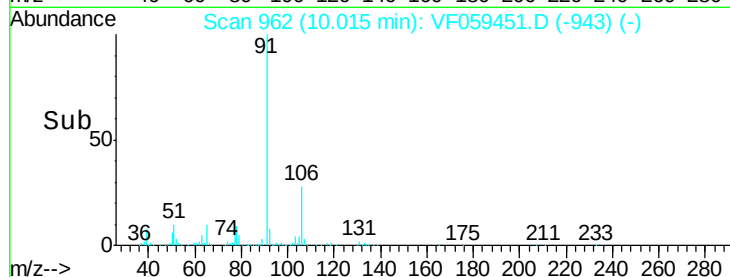
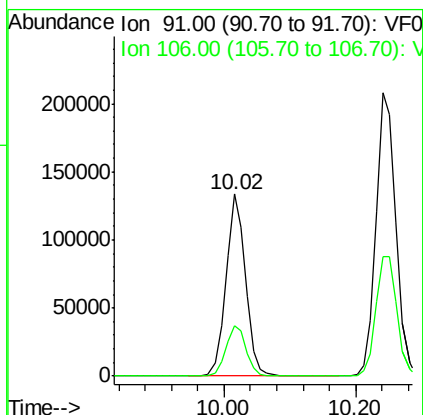
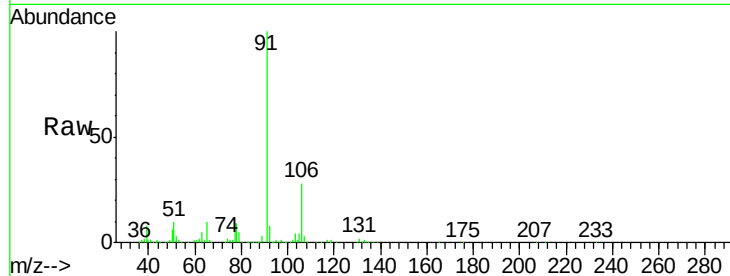




#67
Ethyl Benzene
Concen: 22.472 ug/l
RT: 10.02 min Scan# 962
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

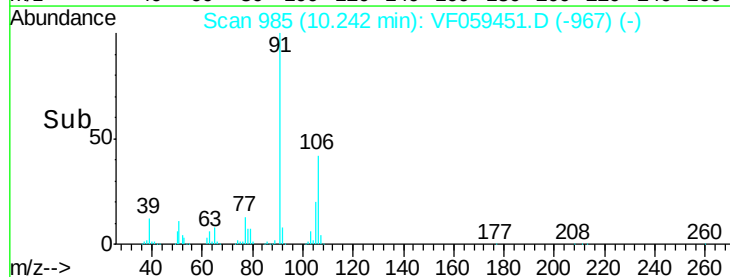
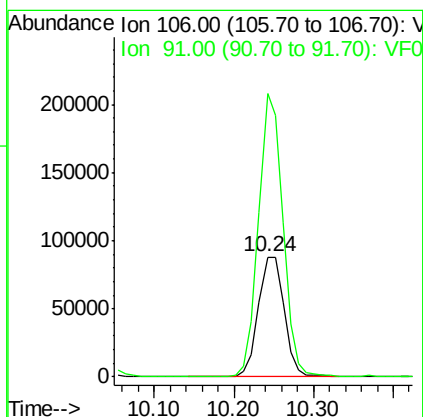
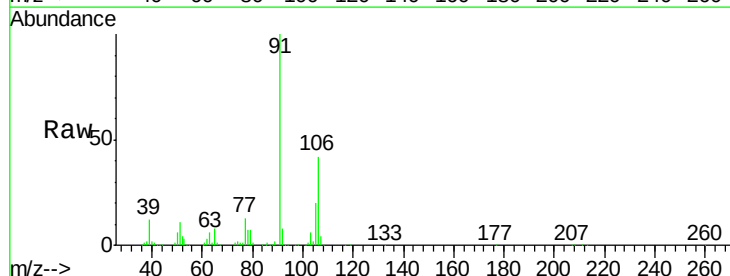
Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

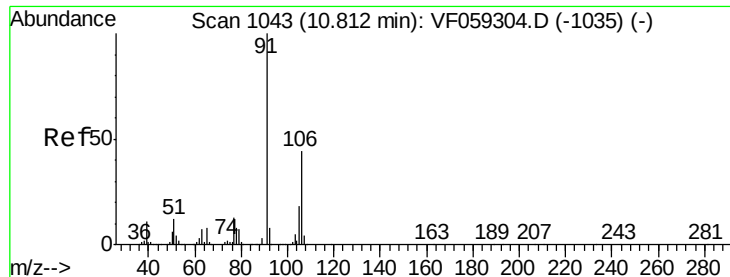
Tot Ion: 91 Resp: 277280
Ion Ratio Lower Upper
91 100
106 27.9 24.8 37.2



#68
m/p-Xylenes
Concen: 44.989 ug/l
RT: 10.24 min Scan# 985
Delta R.T. -0.02 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion: 106 Resp: 197585
Ion Ratio Lower Upper
106 100
91 235.8 170.8 256.2

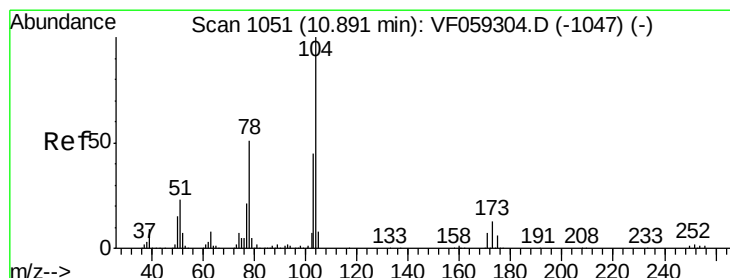
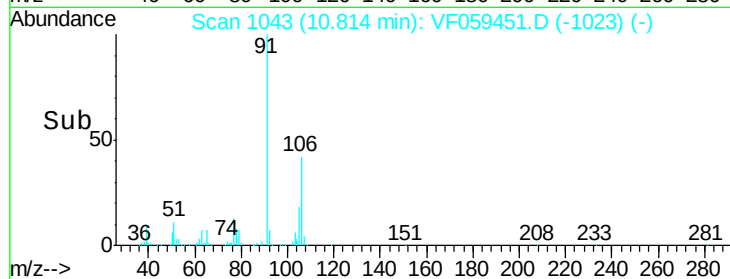
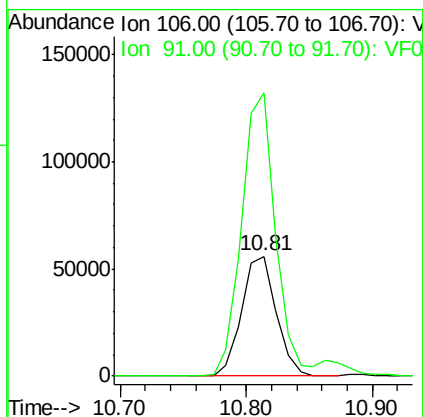
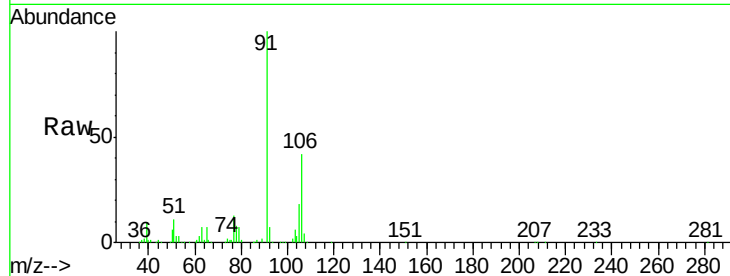




#69
o-Xylene
Concen: 21.800 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

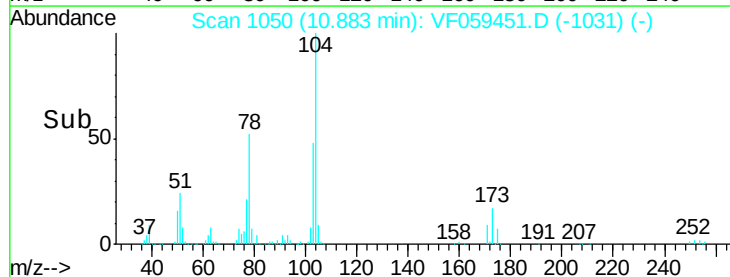
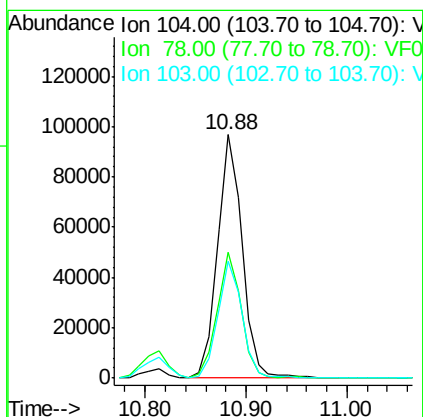
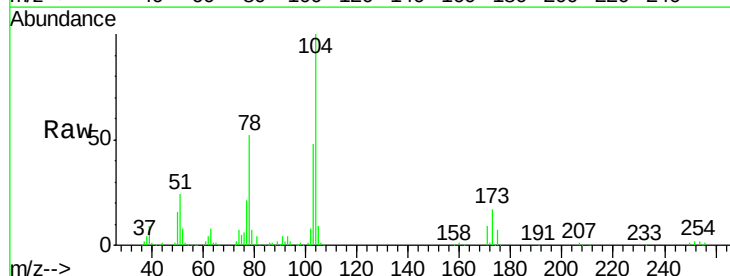
Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

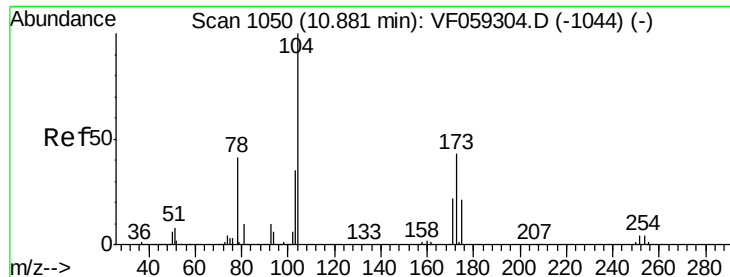
Tot Ion:106 Resp: 107086
Ion Ratio Lower Upper
106 100
91 235.6 114.6 343.6



#70
Styrene
Concen: 22.112 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion:104 Resp: 165463
Ion Ratio Lower Upper
104 100
78 51.7 40.9 61.3
103 47.8 36.5 54.7





#71

Bromoform

Concen: 22.508 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

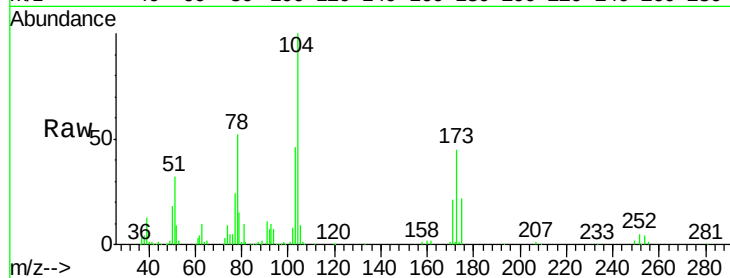
Tot Ion:173 Resp: 48531

Ion Ratio Lower Upper

173 100

175 48.8 24.8 74.3

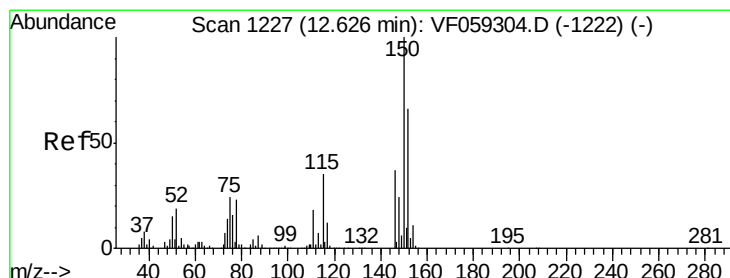
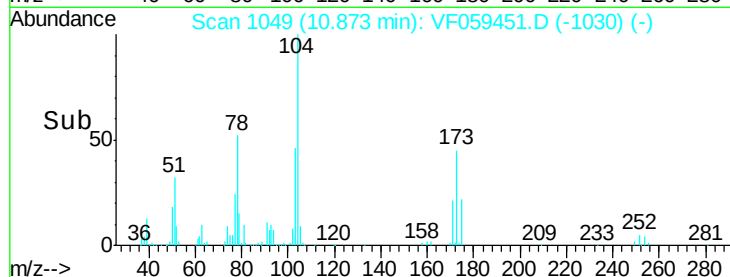
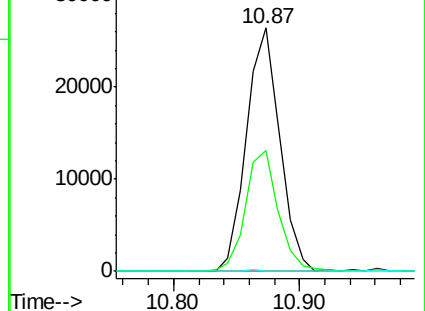
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

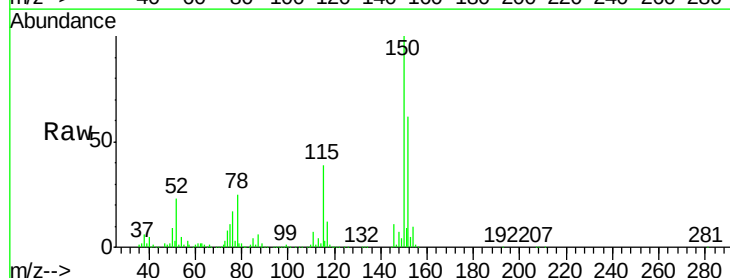
Tgt Ion:152 Resp: 238542

Ion Ratio Lower Upper

152 100

115 63.5 27.1 81.3

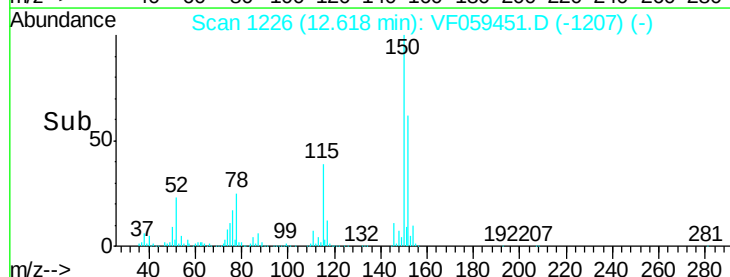
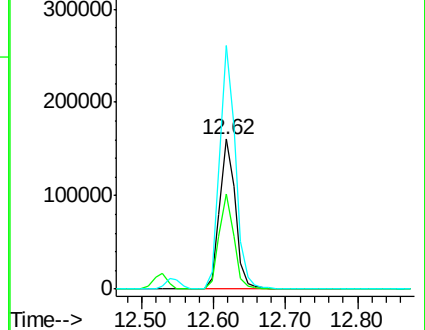
150 162.4 0.0 305.2

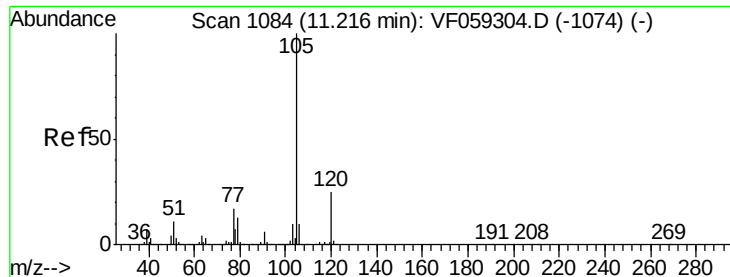


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.798 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

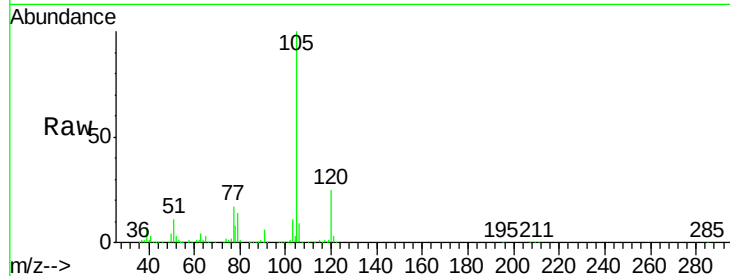
VF0706SBS01

Tot Ion:105 Resp: 330721

Ion Ratio Lower Upper

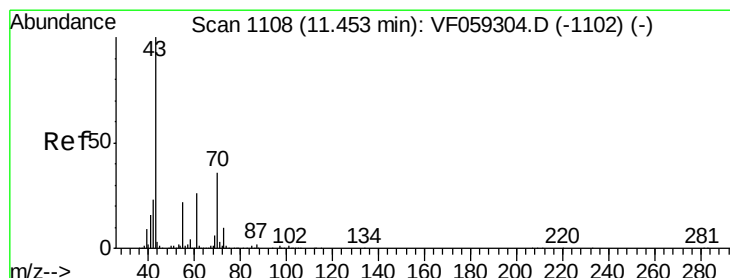
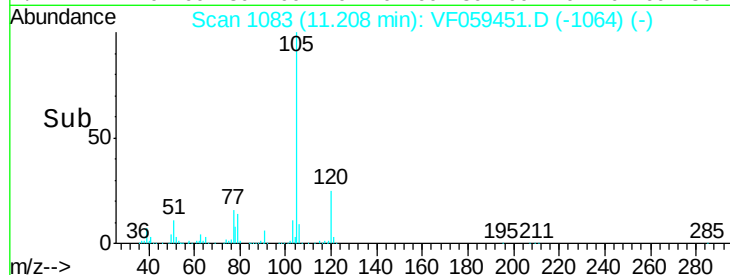
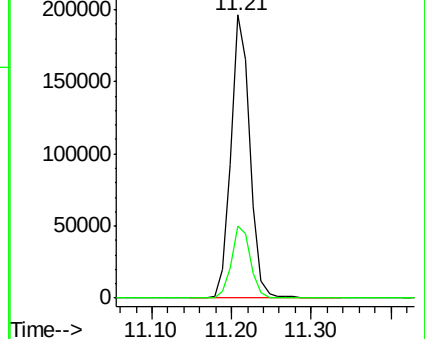
105 100

120 25.4 12.3 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.289 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Tgt Ion: 43 Resp: 112402

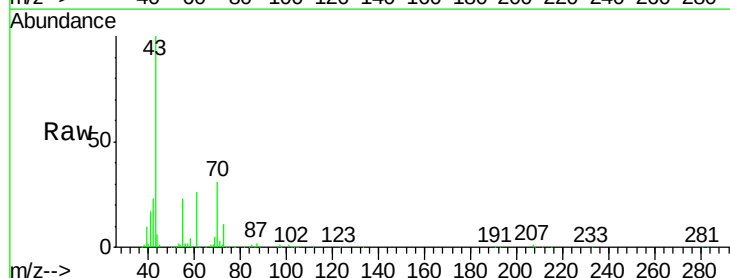
Ion Ratio Lower Upper

43 100

70 31.5 28.8 43.2

55 22.5 17.4 26.0

61 26.4 21.1 31.7

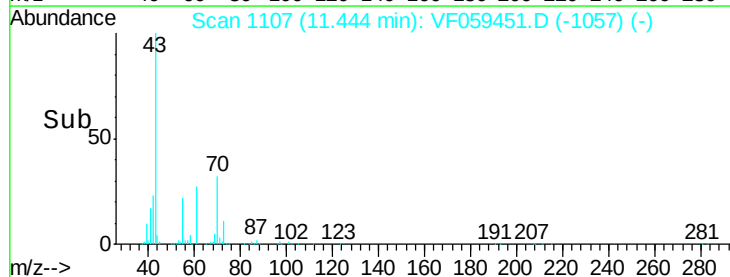
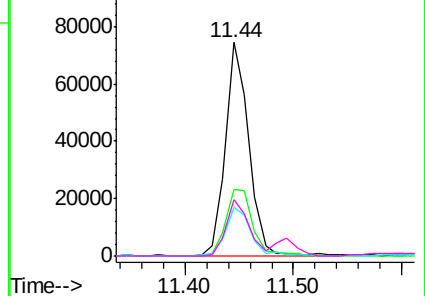


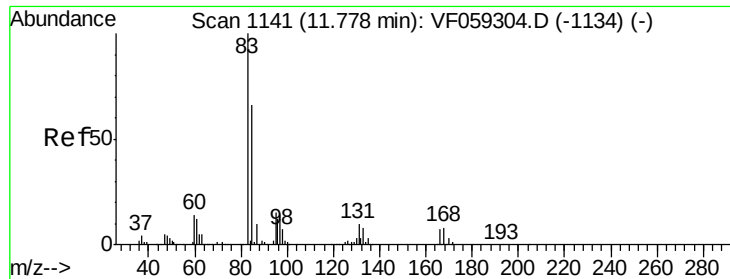
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 21.899 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

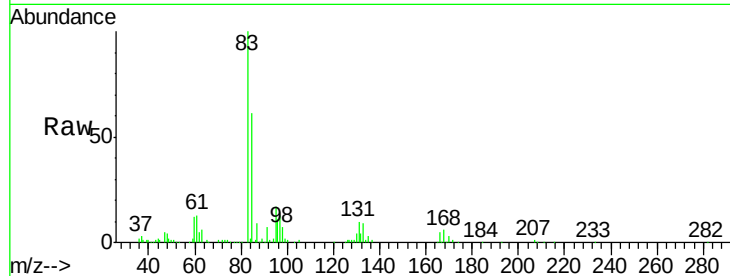
Tot Ion: 83 Resp: 76860

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.6

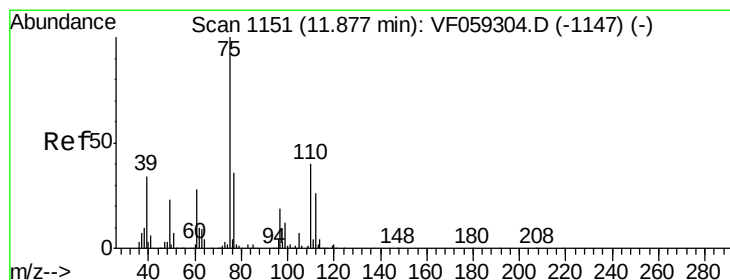
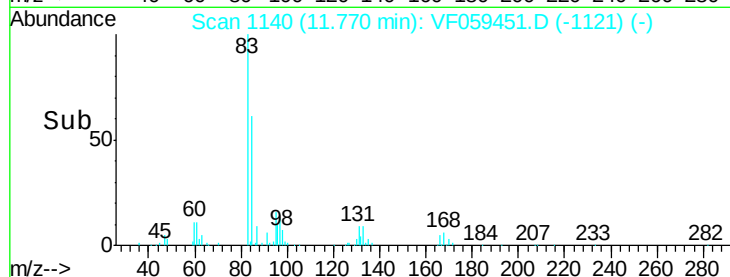
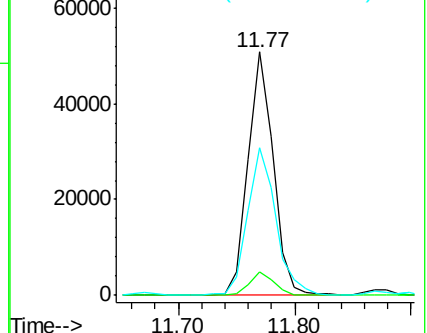
85 60.8 32.8 98.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 22.825 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF059451.D

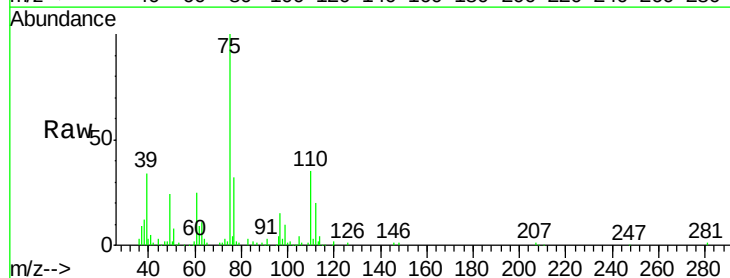
Acq: 6 Jul 2018 16:00

Tgt Ion: 75 Resp: 60430

Ion Ratio Lower Upper

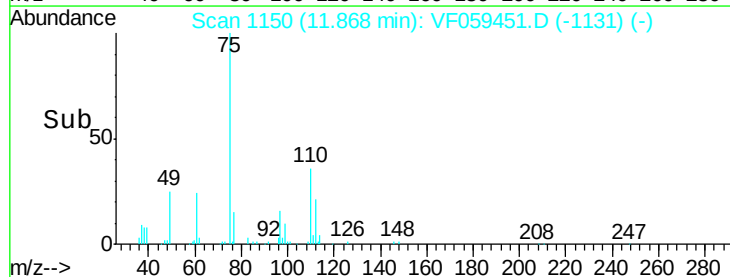
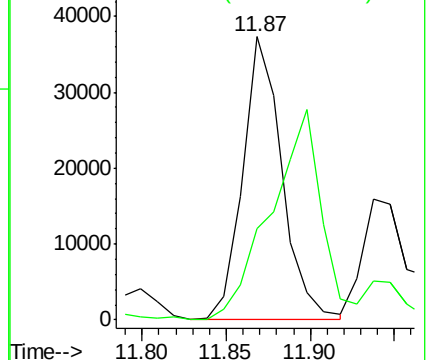
75 100

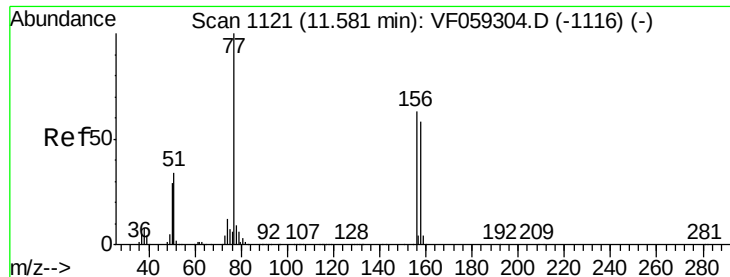
77 32.4 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 22.960 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

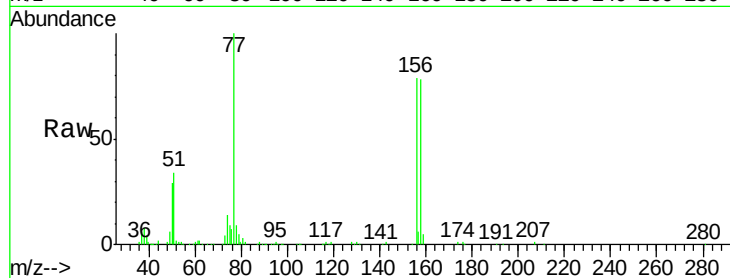
Tot Ion:156 Resp: 88525

Ion Ratio Lower Upper

156 100

77 126.8 79.7 238.9

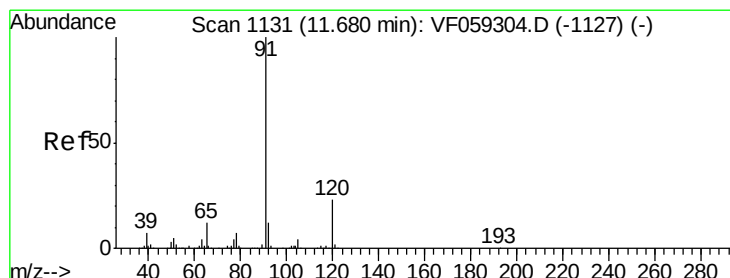
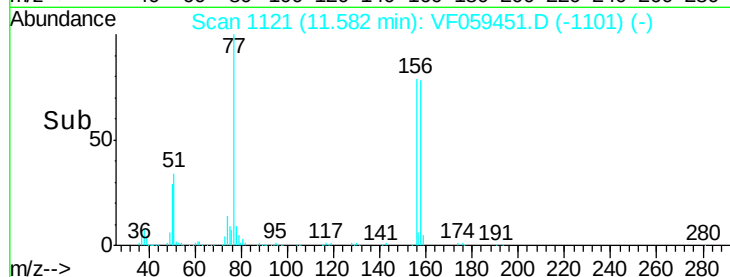
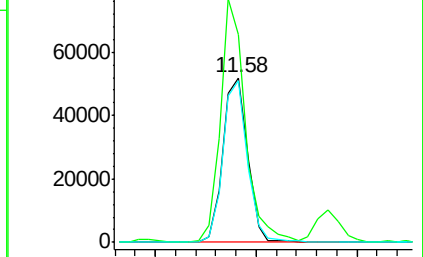
158 98.5 46.2 138.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.674 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF059451.D

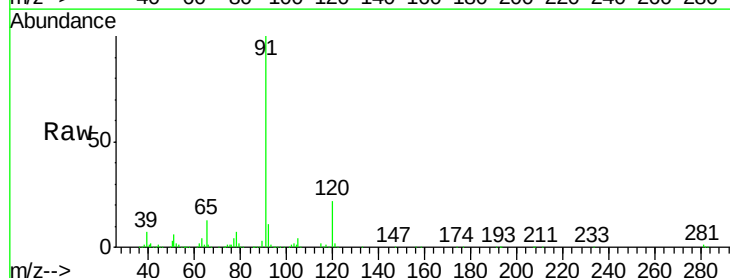
Acq: 6 Jul 2018 16:00

Tgt Ion: 91 Resp: 378416

Ion Ratio Lower Upper

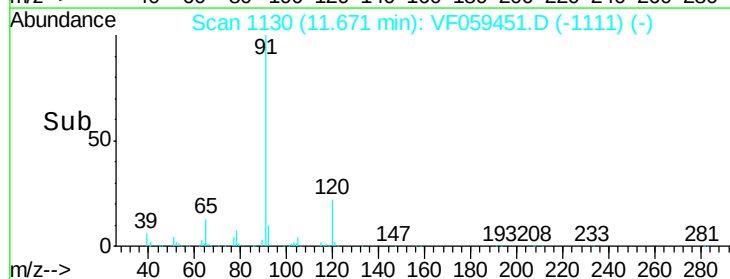
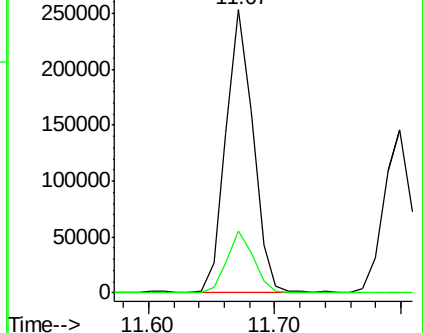
91 100

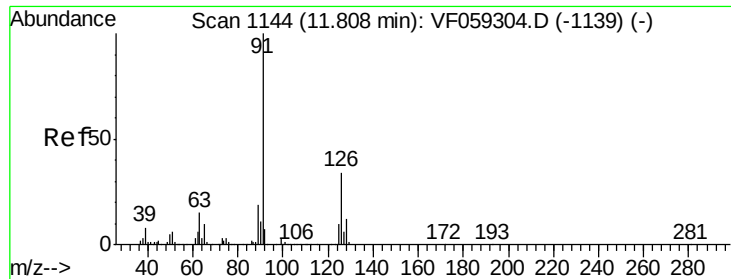
120 22.0 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

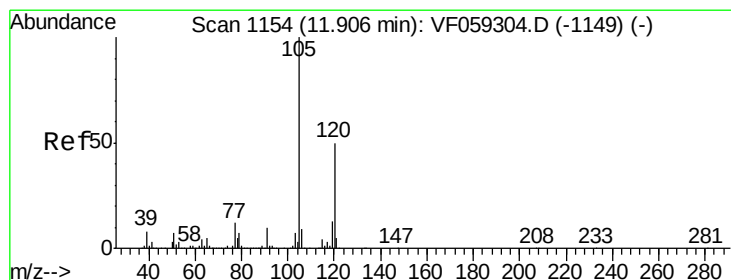
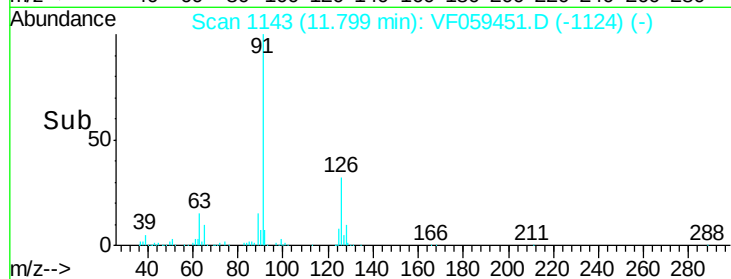
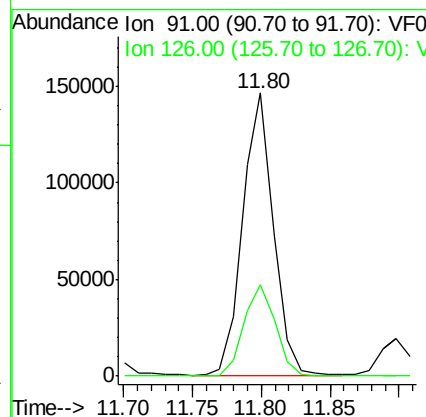
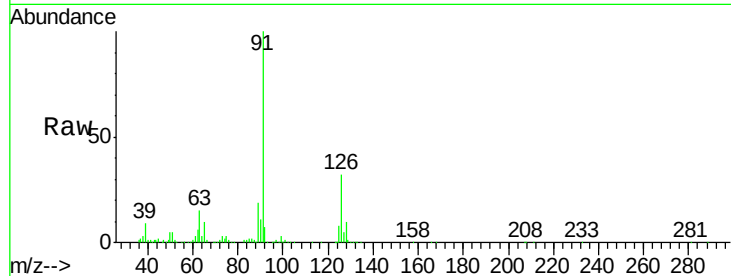




#79
2-Chlorotoluene
Concen: 22.278 ug/l
RT: 11.80 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

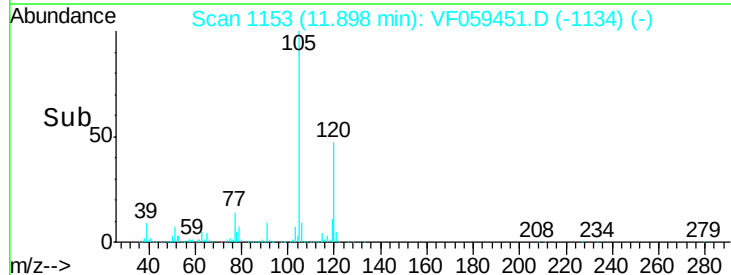
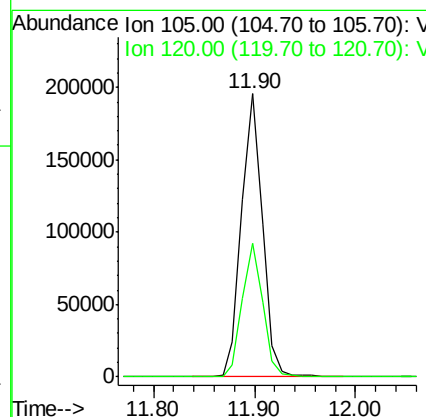
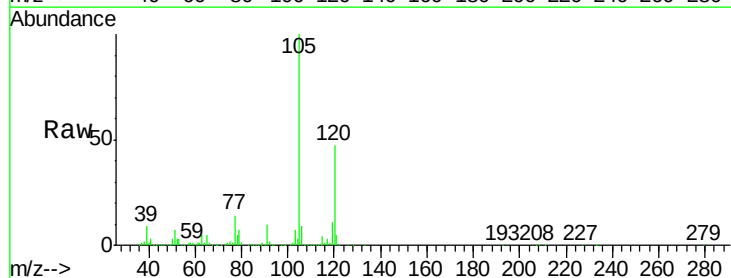
Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

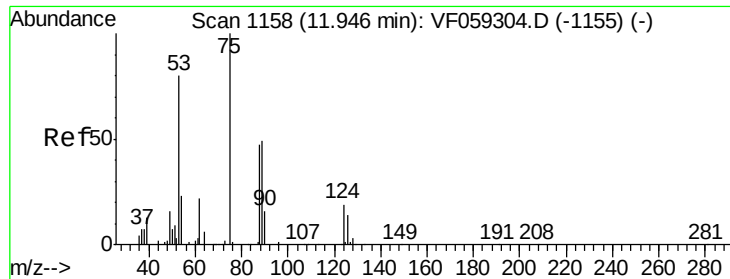
Tot Ion: 91 Resp: 227156
Ion Ratio Lower Upper
91 100
126 32.3 17.2 51.5



#80
1,3,5-Trimethylbenzene
Concen: 23.305 ug/l
RT: 11.90 min Scan# 1153
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion: 105 Resp: 283696
Ion Ratio Lower Upper
105 100
120 47.3 24.9 74.7

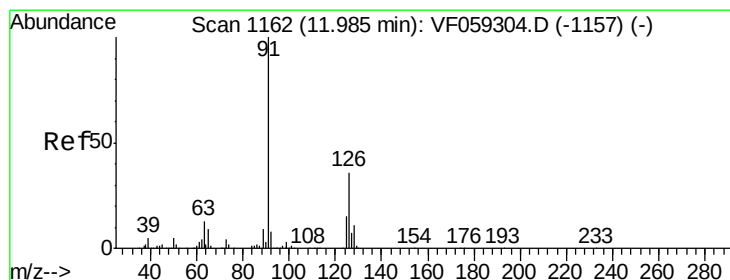
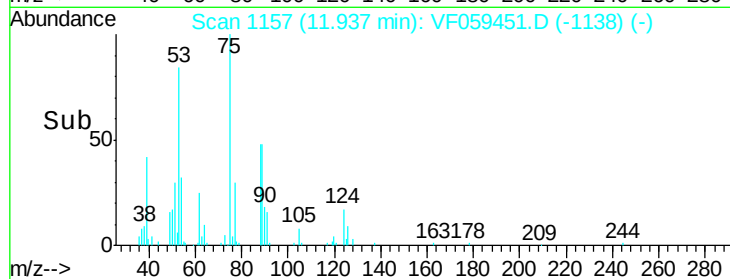
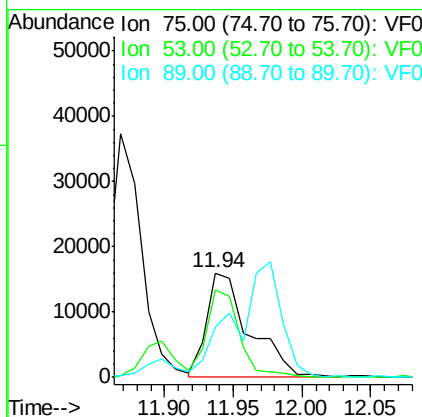
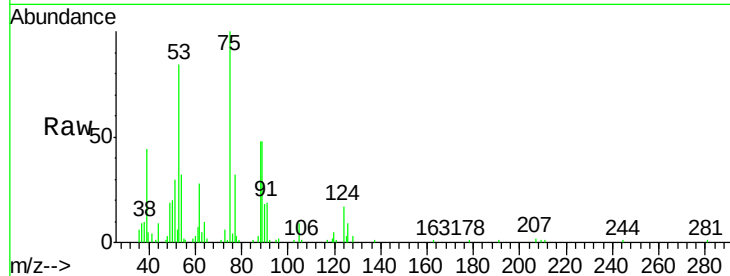




#81
trans-1,4-Dichloro-2-butene
Concen: 22.147 ug/l
RT: 11.94 min Scan# 1157
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

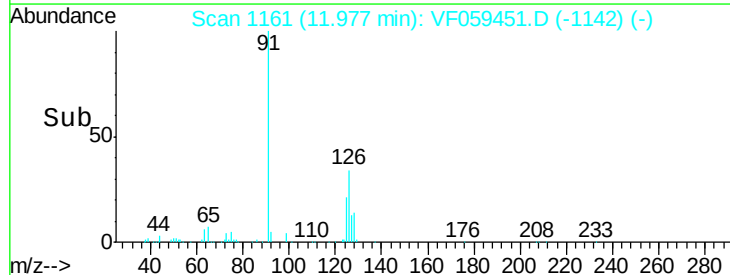
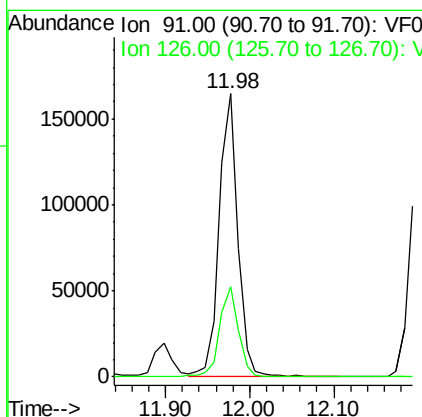
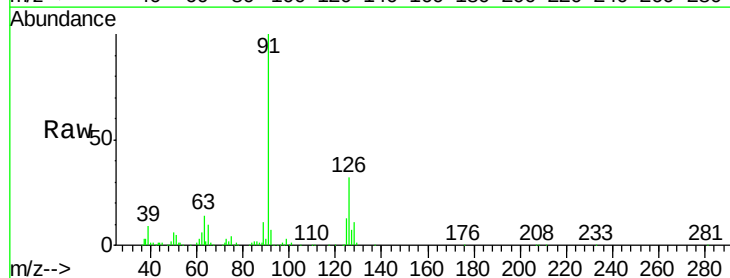
Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

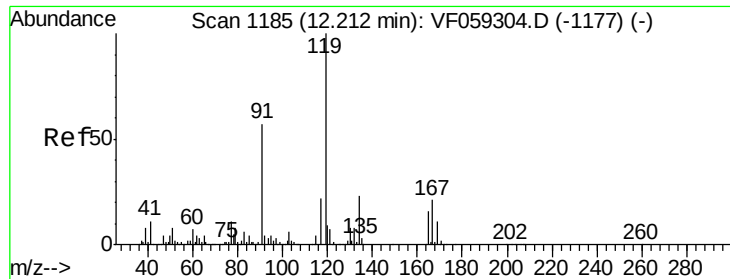
Tot Ion: 75 Resp: 34898
Ion Ratio Lower Upper
75 100
53 84.3 68.8 103.2
89 48.4 42.0 63.0



#82
4-Chlorotoluene
Concen: 23.080 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion: 91 Resp: 252073
Ion Ratio Lower Upper
91 100
126 32.0 18.2 54.6

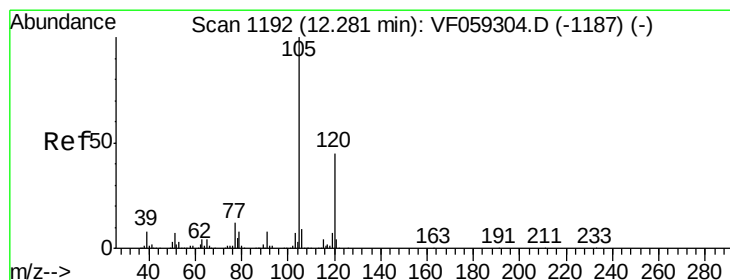
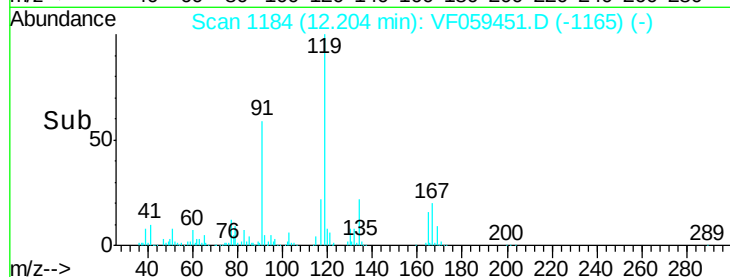
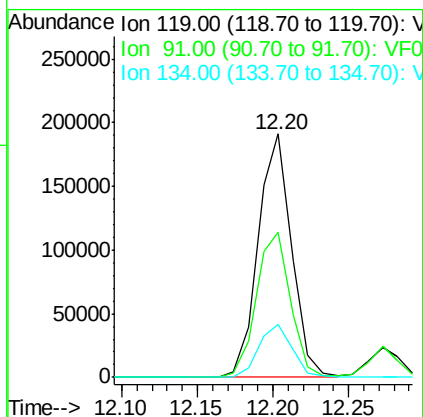
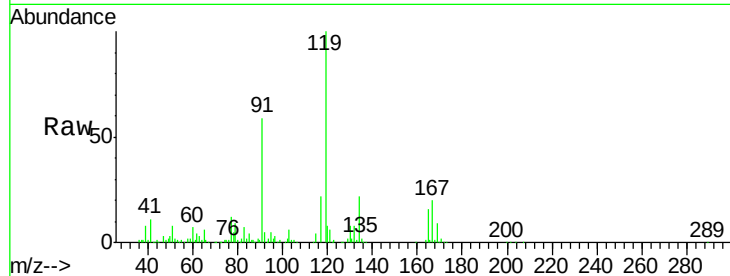




#83
tert-Butylbenzene
Concen: 24.207 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

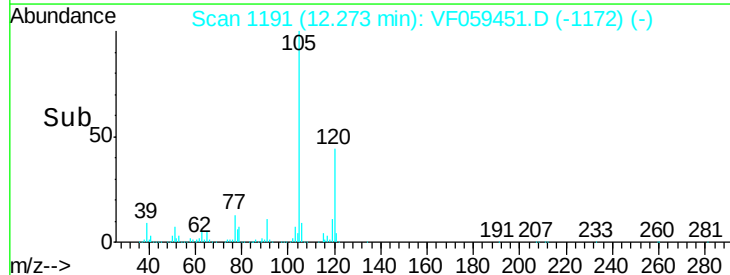
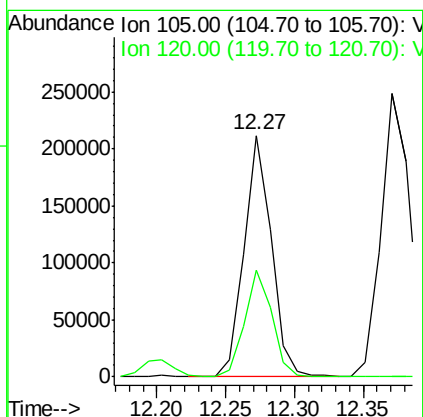
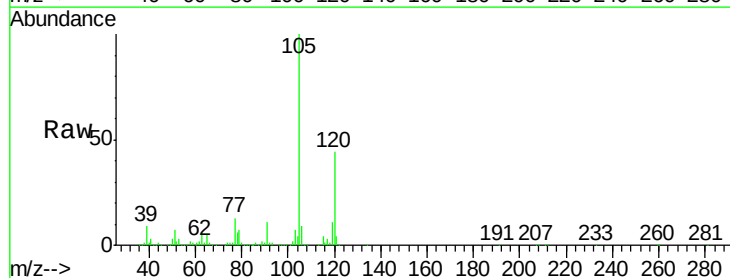
Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

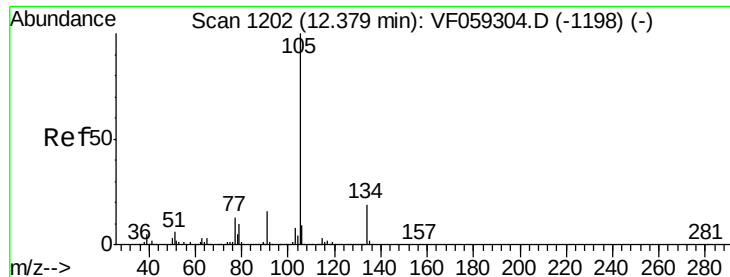
Tot Ion:119 Resp: 294728
Ion Ratio Lower Upper
119 100
91 59.4 28.4 85.2
134 21.9 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 23.115 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion:105 Resp: 296347
Ion Ratio Lower Upper
105 100
120 44.3 22.8 68.4

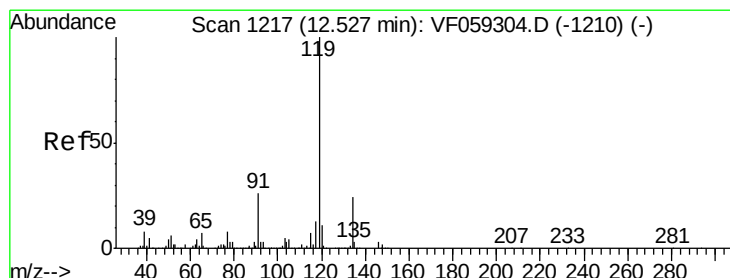
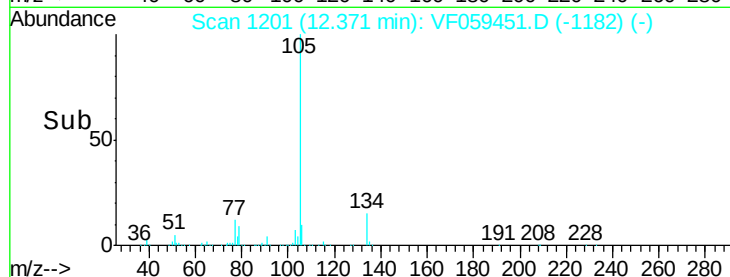
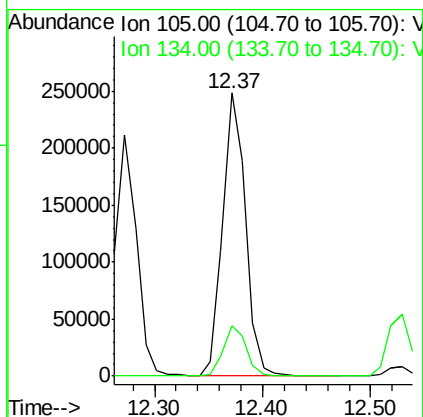
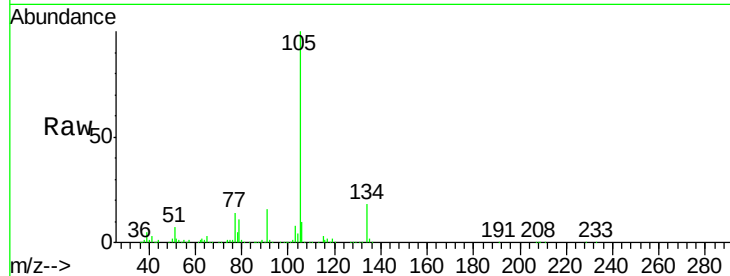




#85
 sec-Butylbenzene
 Concen: 22.664 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF059451.D
 Acq: 6 Jul 2018 16:00

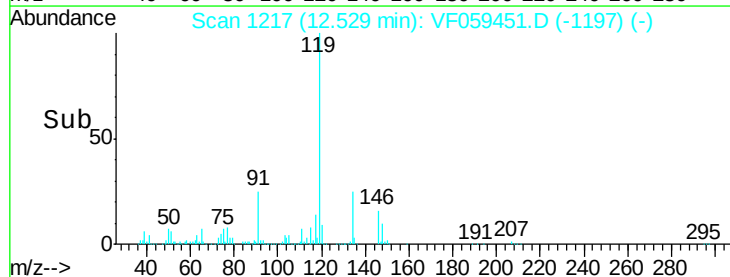
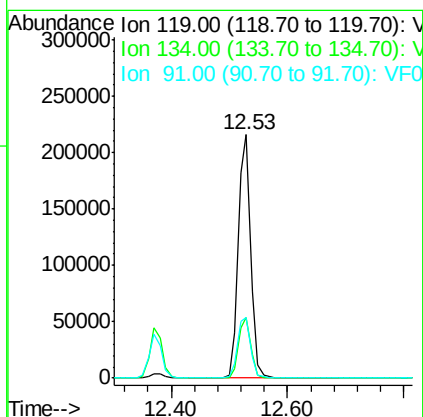
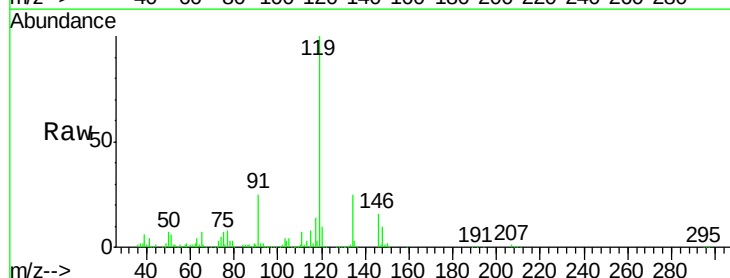
Instrument :
 MSVOA_F
 ClientSampleID :
 VF0706SBS01

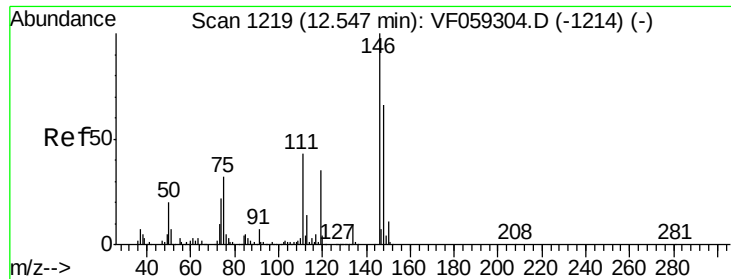
Tot Ion:105 Resp: 365765
 Ion Ratio Lower Upper
 105 100
 134 17.8 9.4 28.3



#86
 p-Isopropyltoluene
 Concen: 23.504 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VF059451.D
 Acq: 6 Jul 2018 16:00

Tgt Ion:119 Resp: 318336
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.2 36.4
 91 24.9 12.9 38.6

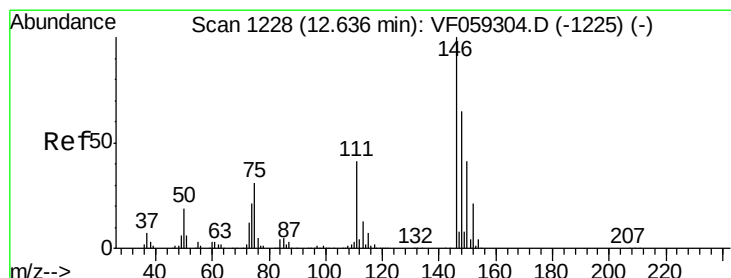
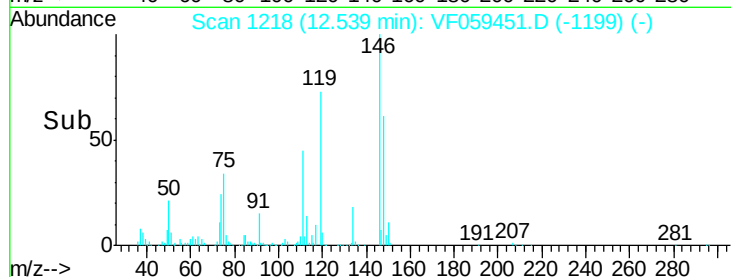
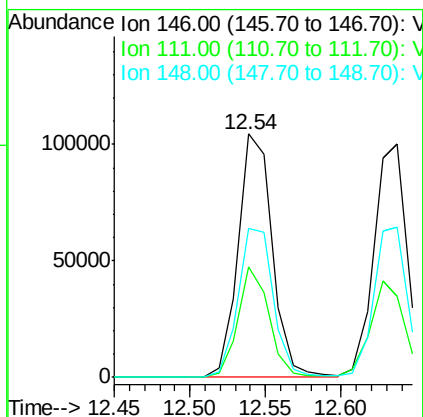
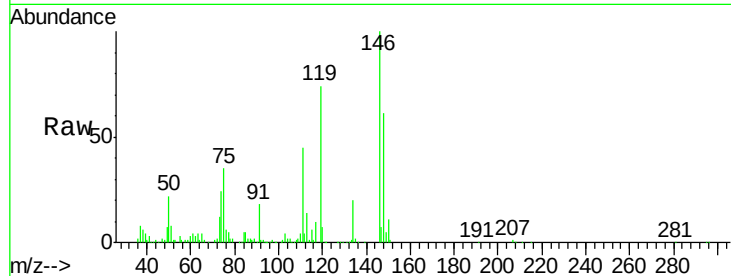




#87
 1,3-Dichlorobenzene
 Concen: 23.283 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF059451.D
 Acq: 6 Jul 2018 16:00

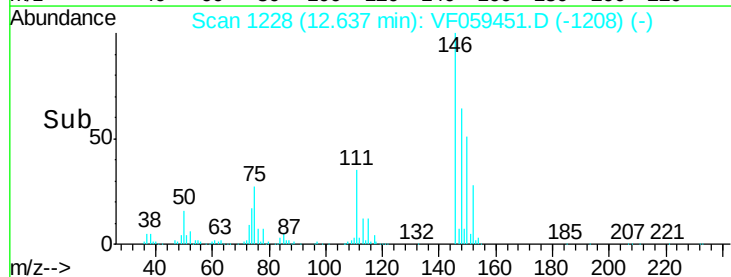
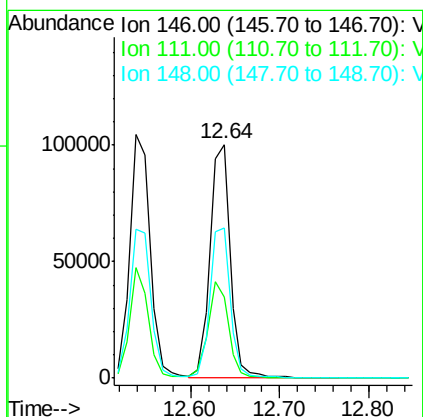
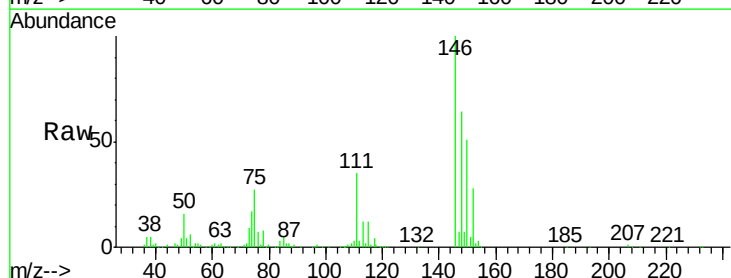
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBS01

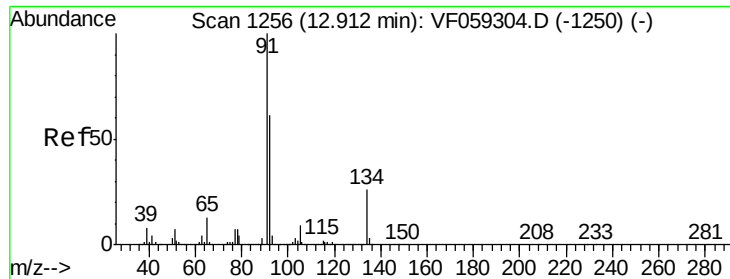
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	21.4	64.2
148	61.3	32.8	98.4



#88
 1,4-Dichlorobenzene
 Concen: 22.906 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VF059451.D
 Acq: 6 Jul 2018 16:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.9	20.7	62.1
148	64.3	32.8	98.3





#89

n-Butylbenzene

Concen: 24.266 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

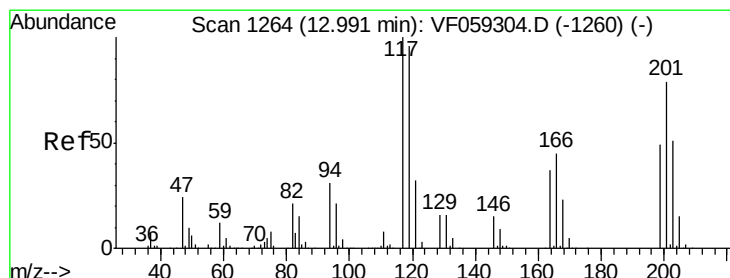
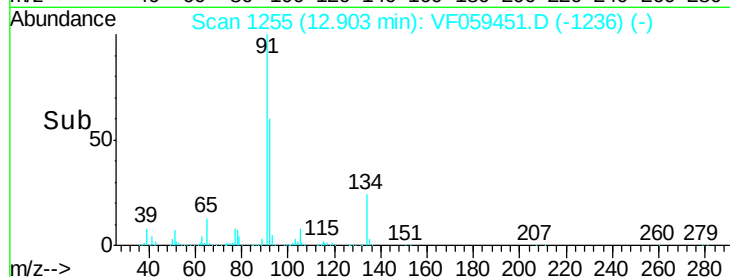
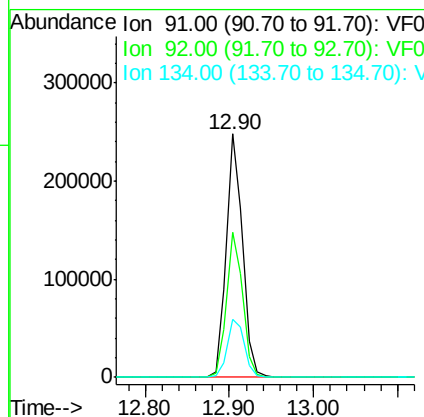
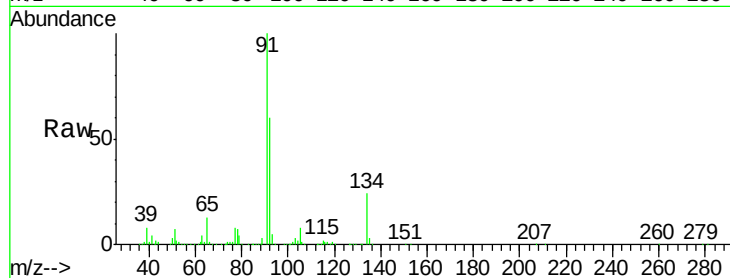
Tot Ion: 91 Resp: 333626

Ion Ratio Lower Upper

91 100

92 59.6 30.3 91.0

134 23.9 12.9 38.7



#90

Hexachloroethane

Concen: 23.766 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VF059451.D

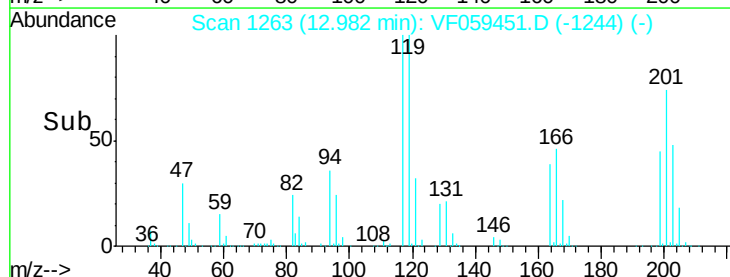
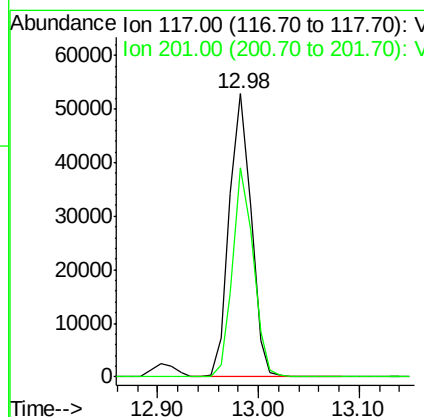
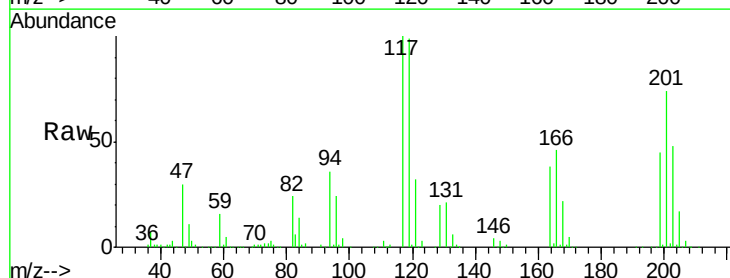
Acq: 6 Jul 2018 16:00

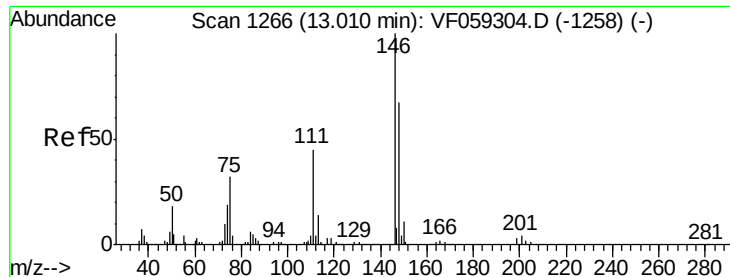
Tgt Ion: 117 Resp: 80223

Ion Ratio Lower Upper

117 100

201 74.0 39.5 118.5





#91

1,2-Dichlorobenzene

Concen: 23.572 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

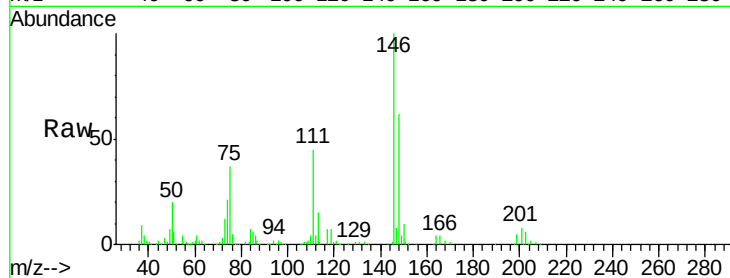
Tot Ion:146 Resp: 164989

Ion Ratio Lower Upper

146 100

111 44.5 22.7 68.0

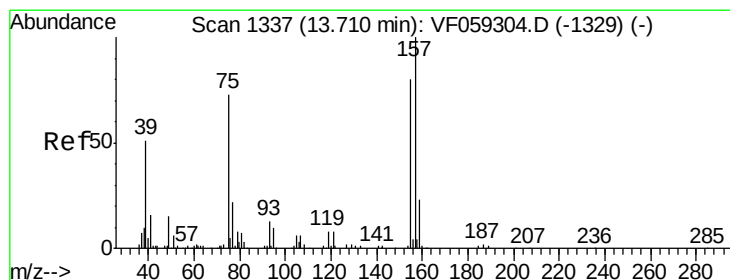
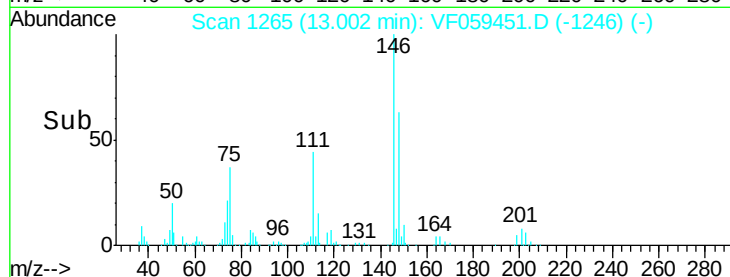
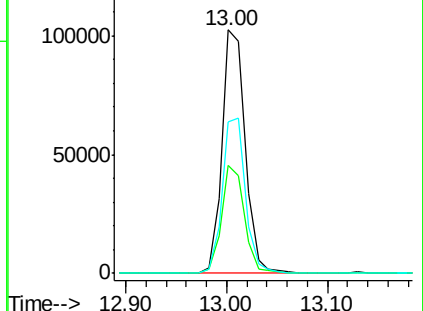
148 62.5 33.5 100.4



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: 22.636 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

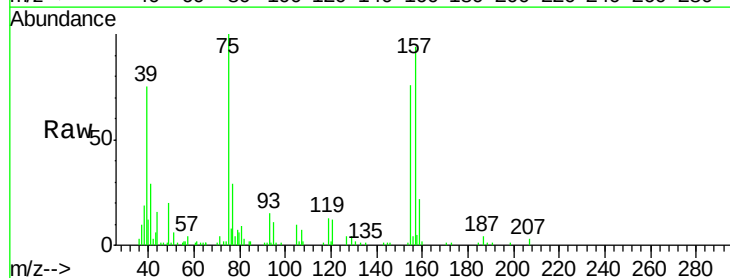
Tgt Ion: 75 Resp: 17611

Ion Ratio Lower Upper

75 100

155 75.6 54.6 163.8

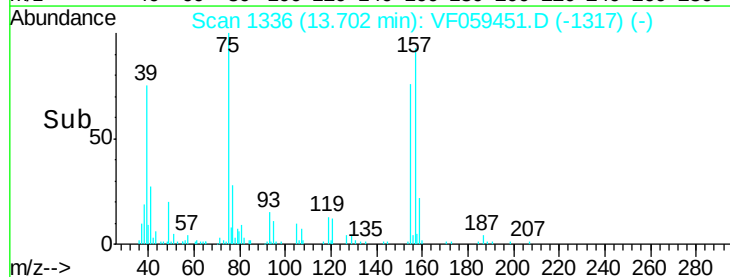
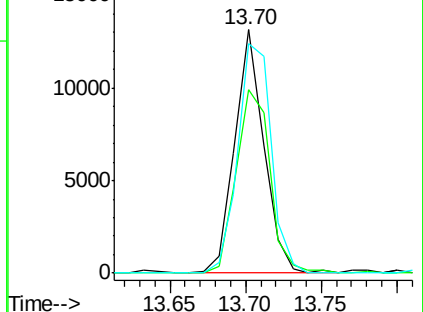
157 94.1 68.7 205.9

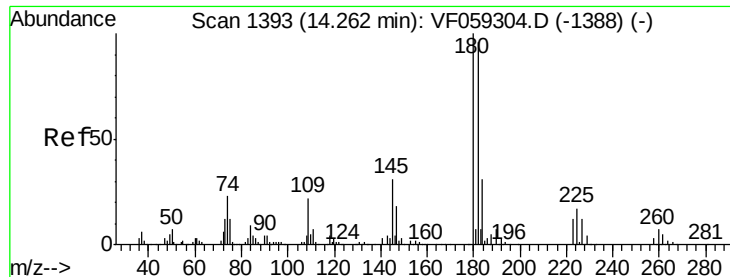


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

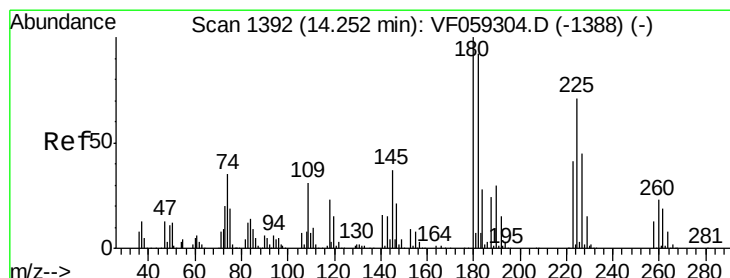
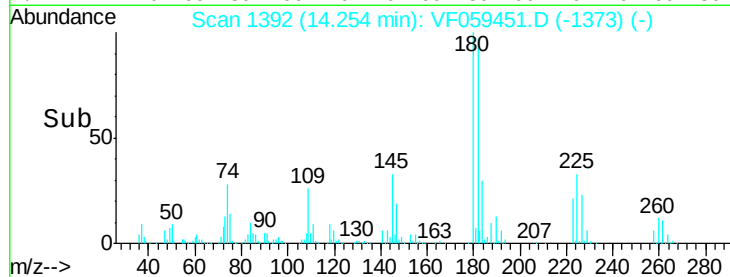
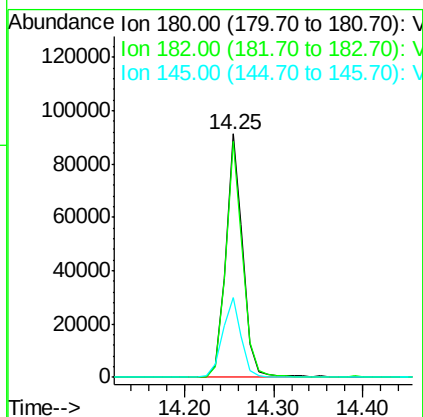
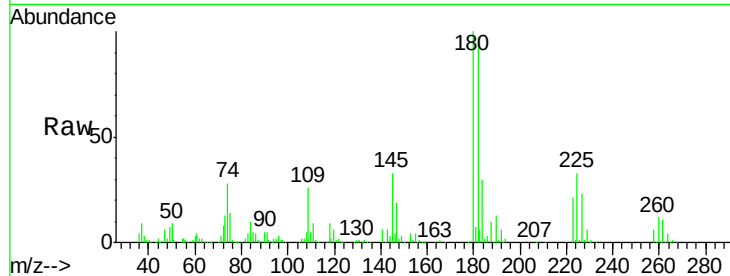




#93
 1,2,4-Trichlorobenzene
 Concen: 23.934 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059451.D
 Acq: 6 Jul 2018 16:00

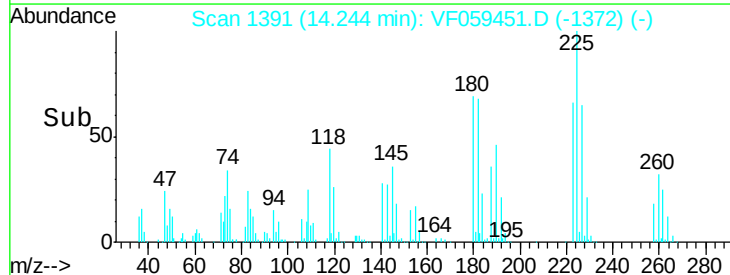
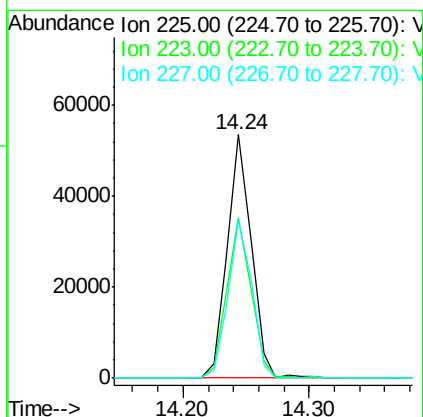
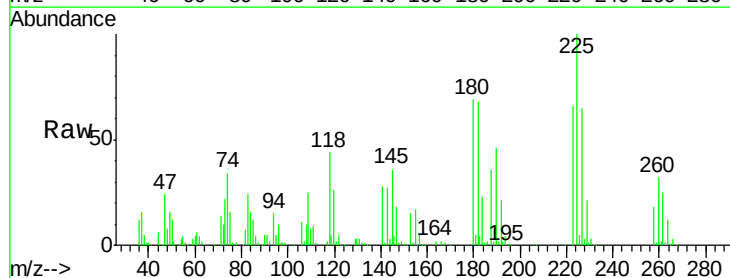
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBS01

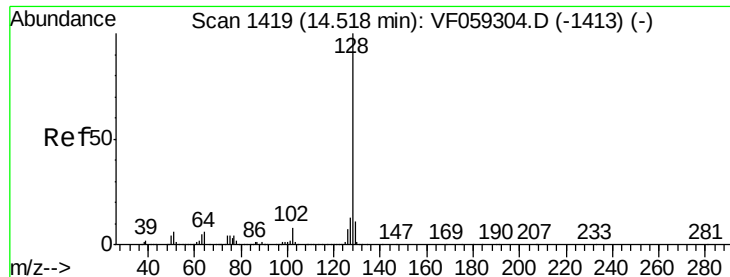
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.1	144.3
145	32.8	15.3	45.8



#94
 Hexachlorobutadiene
 Concen: 24.306 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF059451.D
 Acq: 6 Jul 2018 16:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.7	28.9	86.8
227	64.8	31.3	93.8

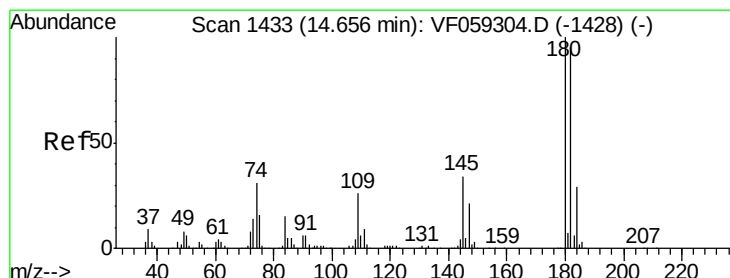
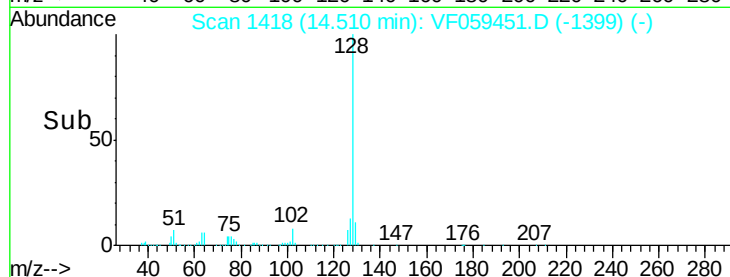
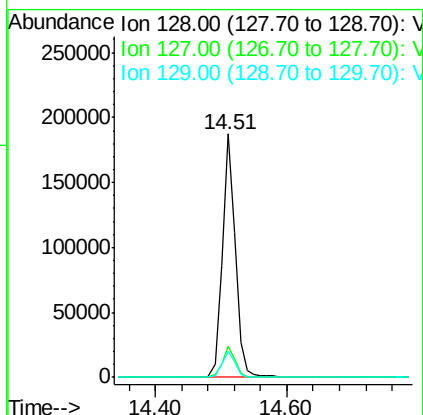
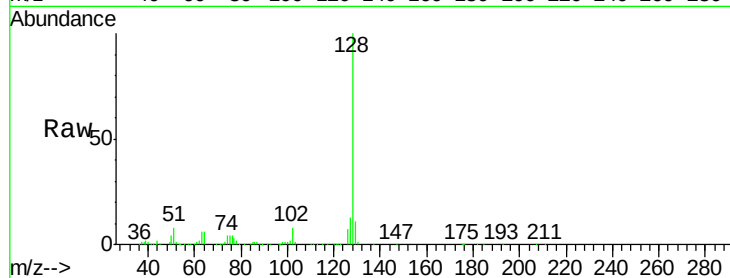




#95
Naphthalene
Concen: 23.984 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

Tot Ion:128 Resp: 259714
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 25.322 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. 0.00 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion:180 Resp: 124153
Ion Ratio Lower Upper
180 100
182 95.3 47.5 142.5
145 30.3 17.0 50.9

