

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072518\
 Data File : VF059659.D
 Acq On : 25 Jul 2018 15:53
 Operator : VA/AP
 Sample : VF0725SBSD01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBSD01

Quant Time: Jul 25 16:22:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 02:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	238612	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.76	114	319874	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	270312	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.64	152	158479	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	125501	37.75	ug/l	0.01
Spiked Amount			Recovery	=	75.50%	
35) Dibromofluoromethane	4.29	113	135414	47.04	ug/l	0.01
Spiked Amount			Recovery	=	94.08%	
50) Toluene-d8	7.71	98	346202	49.34	ug/l	0.01
Spiked Amount			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	11.51	95	161254	44.73	ug/l	0.01
Spiked Amount			Recovery	=	89.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	56814	20.34	ug/l	91
3) Chloromethane	1.08	50	33353	22.90	ug/l	99
4) Vinyl Chloride	1.15	62	35356	22.92	ug/l	88
5) Bromomethane	1.34	94	26816	22.44	ug/l	86
6) Chloroethane	1.42	64	20042	21.61	ug/l	89
7) Trichlorofluoromethane	1.49	101	86379	20.64	ug/l	96
8) Diethyl Ether	1.70	74	10777	18.49	ug/l	56
9) 1,1,2-Trichlorotrifluoroet	1.88	101	50090	22.87	ug/l	88
10) Methyl Iodide	1.93	142	74362	21.57	ug/l	99
11) Tert butyl alcohol	2.69	59	9795	79.11	ug/l #	91
12) 1,1-Dichloroethene	1.83	96	37431	22.91	ug/l	89
13) Acrolein	2.09	56	4193	69.07	ug/l #	52
14) Allyl chloride	2.19	41	68268	24.12	ug/l	90
15) Acrylonitrile	3.08	53	17531	82.26	ug/l #	74
16) Acetone	2.33	43	38467	73.76	ug/l	95
17) Carbon Disulfide	1.84	76	119848	29.33	ug/l #	94
18) Methyl Acetate	2.45	43	13326	14.26	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	68810	15.99	ug/l	96
20) Methylene Chloride	2.28	84	32255	19.92	ug/l #	90
21) trans-1,2-Dichloroethene	2.41	96	39030	22.76	ug/l	96
22) Diisopropyl ether	2.93	45	112705	20.76	ug/l	98
23) Vinyl Acetate	3.33	43	206168	82.34	ug/l	97
24) 1,1-Dichloroethane	2.99	63	80517	20.85	ug/l	98
25) 2-Butanone	4.51	43	55073	88.20	ug/l	96
26) 2,2-Dichloropropane	3.76	77	78389	25.79	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	43674	20.81	ug/l	94
28) Bromochloromethane	3.89	49	23519	15.63	ug/l	97
29) Tetrahydrofuran	4.26	42	19328	70.37	ug/l	99
30) Chloroform	4.04	83	102128	19.06	ug/l	100
31) Cyclohexane	3.86	56	57380	25.53	ug/l	88
32) 1,1,1-Trichloroethane	4.28	97	99731	21.85	ug/l	99
36) 1,1-Dichloropropene	4.46	75	74454	22.72	ug/l	99
37) Ethyl Acetate	4.30	43	19667	14.29	ug/l	98
38) Carbon Tetrachloride	4.18	117	99785	22.06	ug/l	91

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	69456	26.13	ug/l	91
40) Benzene	4.81	78	134647	22.21	ug/l	99
41) Methacrylonitrile	4.92	41	8698	14.19	ug/l #	84
42) 1,2-Dichloroethane	5.11	62	54320	15.12	ug/l	98
43) Isopropyl Acetate	7.12	43	21434	14.87	ug/l #	95
44) Trichloroethene	5.68	130	50059	22.37	ug/l	87
45) 1,2-Dichloropropane	6.41	63	30651	19.97	ug/l	94
46) Dibromomethane	6.26	93	21633	16.69	ug/l	97
47) Bromodichloromethane	6.55	83	77565	20.46	ug/l	98
48) Methyl methacrylate	6.88	41	15344	14.46	ug/l	98
49) 1,4-Dioxane	6.87	88	2965	363.14	ug/l	94
51) 4-Methyl-2-Pentanone	8.41	43	80902	76.37	ug/l	99
52) Toluene	7.79	92	87955	20.30	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	50560	16.74	ug/l	91
54) cis-1,3-Dichloropropene	7.46	75	56340	17.64	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	20915	15.47	ug/l	98
56) Ethyl methacrylate	8.76	69	22999	15.92	ug/l	93
57) 1,3-Dichloropropane	9.01	76	38684	16.72	ug/l #	86
58) 2-Chloroethyl Vinyl ether	7.78	63	18267	98.49	ug/l	100
59) 2-Hexanone	9.63	43	65637	81.14	ug/l	95
60) Dibromochloromethane	8.87	129	37452	14.99	ug/l	90
61) 1,2-Dibromoethane	9.14	107	24189	14.66	ug/l	93
64) Tetrachloroethene	8.31	164	49140	22.94	ug/l	92
65) Chlorobenzene	9.94	112	108589	21.68	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	48312	20.81	ug/l	97
67) Ethyl Benzene	10.04	91	214900	23.88	ug/l	99
68) m/p-Xylenes	10.27	106	152503	47.43	ug/l	98
69) o-Xylene	10.83	106	75127	21.95	ug/l	97
70) Styrene	10.90	104	112243	22.71	ug/l	99
71) Bromoform	10.89	173	23087	17.67	ug/l	98
73) Isopropylbenzene	11.23	105	270789	27.19	ug/l	98
74) N-amyl acetate	11.46	43	42339	19.82	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	28293	18.76	ug/l	100
76) 1,2,3-Trichloropropane	11.89	75	22289	17.89	ug/l	93
77) Bromobenzene	11.60	156	55338	22.71	ug/l	88
78) n-propylbenzene	11.69	91	316138	26.66	ug/l	99
79) 2-Chlorotoluene	11.82	91	176381	24.72	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	234996	26.56	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	7872	10.27	ug/l	91
82) 4-Chlorotoluene	11.99	91	174399	22.90	ug/l	99
83) tert-Butylbenzene	12.22	119	235566	26.40	ug/l	95
84) 1,2,4-Trimethylbenzene	12.29	105	218184	24.02	ug/l	96
85) sec-Butylbenzene	12.39	105	307978	25.89	ug/l	97
86) p-Isopropyltoluene	12.54	119	267537	25.84	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	110315	22.88	ug/l	93
88) 1,4-Dichlorobenzene	12.64	146	103309	21.87	ug/l	95
89) n-Butylbenzene	12.92	91	261891	26.53	ug/l	98
90) Hexachloroethane	13.00	117	63444	25.12	ug/l #	1
91) 1,2-Dichlorobenzene	13.02	146	98151	21.56	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	5687	14.62	ug/l	87

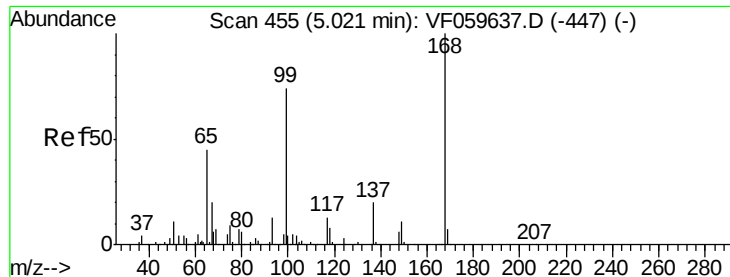
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF072518\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	71177	18.42	ug/l	95
94) Hexachlorobutadiene	14.26	225	62569	23.79	ug/l	93
95) Naphthalene	14.53	128	88548	15.69	ug/l	97
96) 1,2,3-Trichlorobenzene	14.68	180	60343	18.76	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.02 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

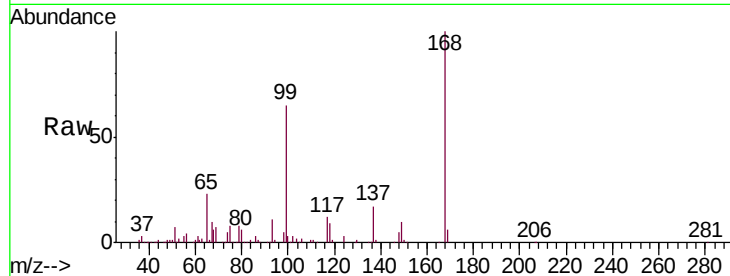
VF0725SBS01

Tot Ion:168 Resp: 238612

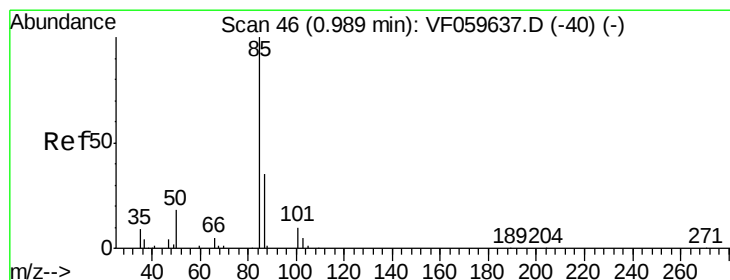
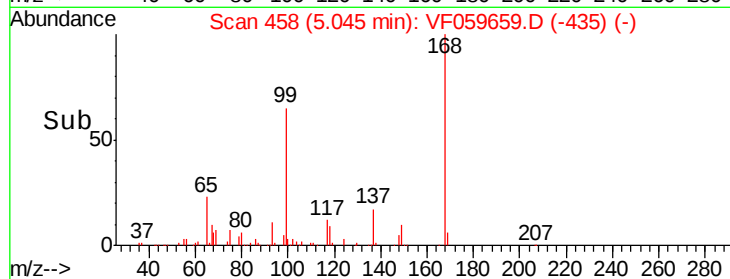
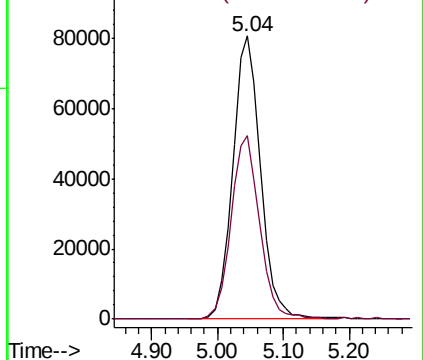
Ion Ratio Lower Upper

168 100

99 64.7 59.5 89.3



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 20.34 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF059659.D

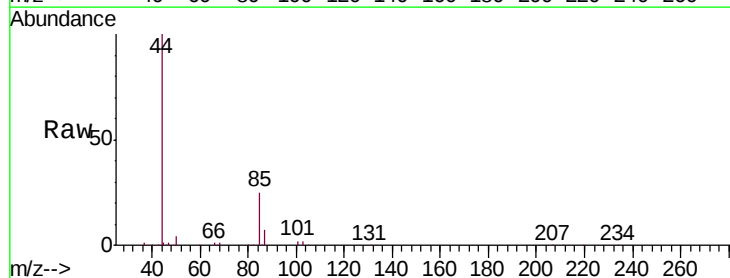
Acq: 25 Jul 2018 15:53

Tgt Ion: 85 Resp: 56814

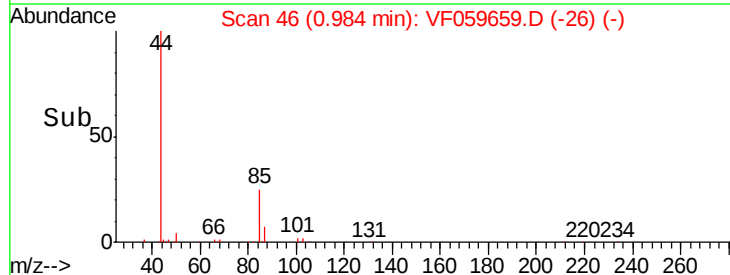
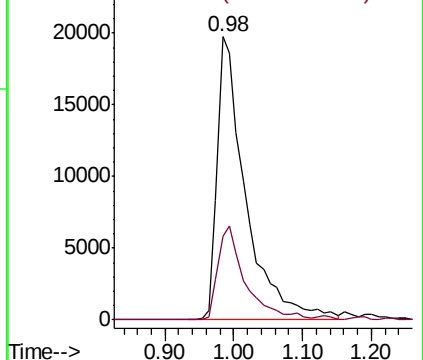
Ion Ratio Lower Upper

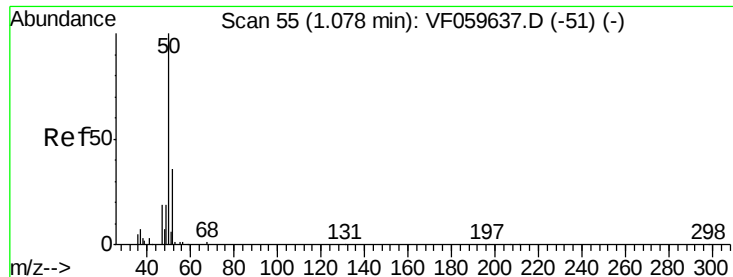
85 100

87 29.7 17.4 52.2



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 22.90 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

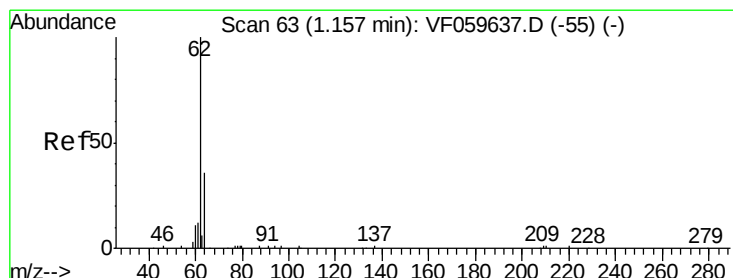
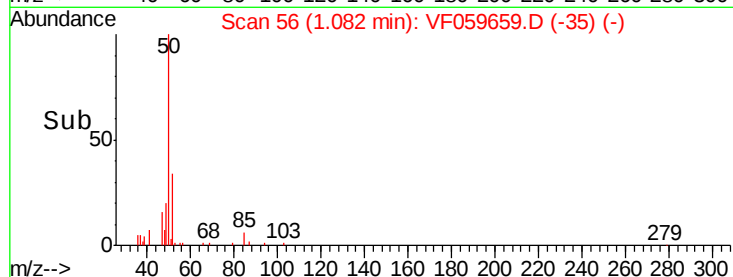
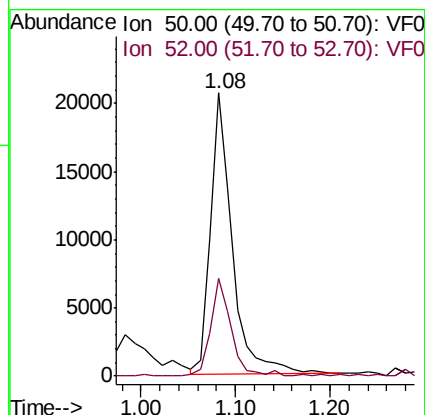
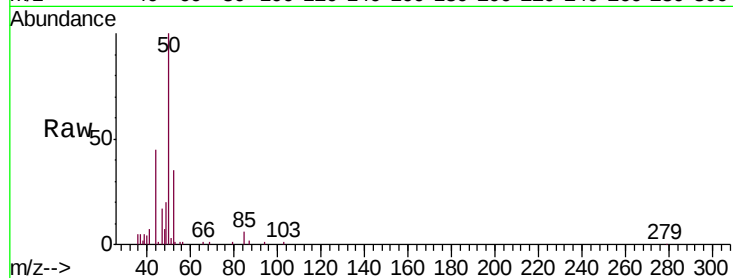
VF0725SBS01

Tot Ion: 50 Resp: 33353

Ion Ratio Lower Upper

50 100

52 34.6 28.0 42.0



#4

Vinyl Chloride

Concen: 22.92 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF059659.D

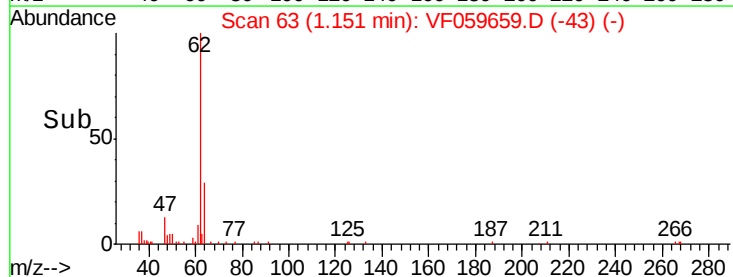
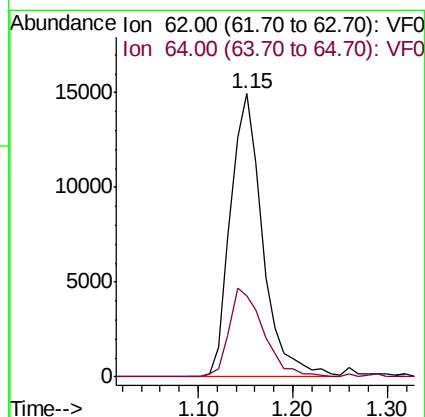
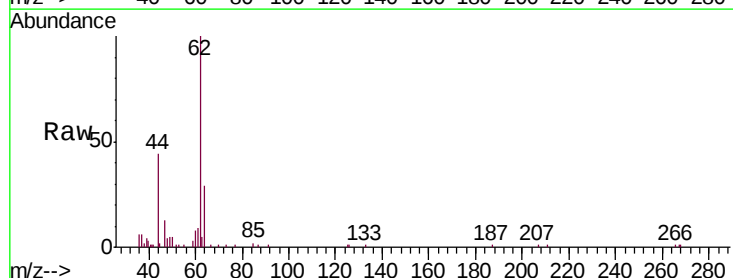
Acq: 25 Jul 2018 15:53

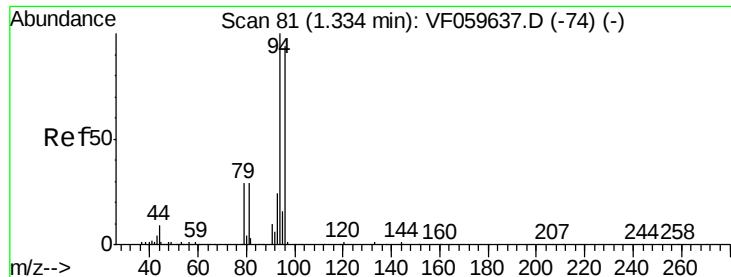
Tgt Ion: 62 Resp: 35356

Ion Ratio Lower Upper

62 100

64 28.8 28.6 43.0





#5

Bromomethane

Concen: 22.44 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

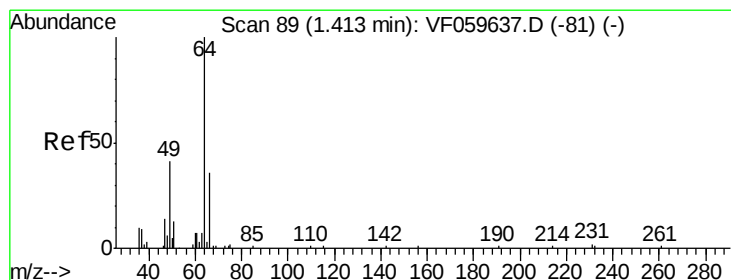
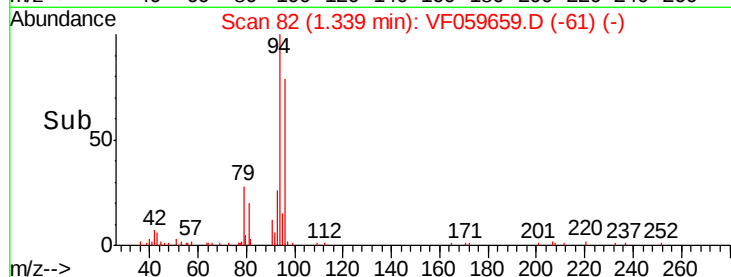
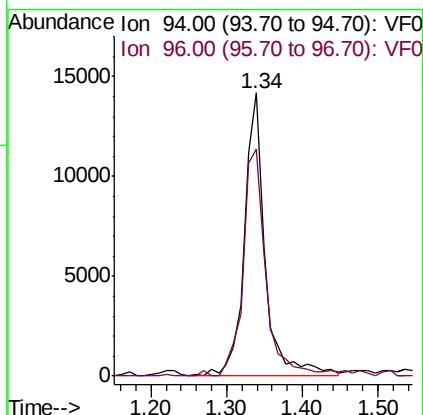
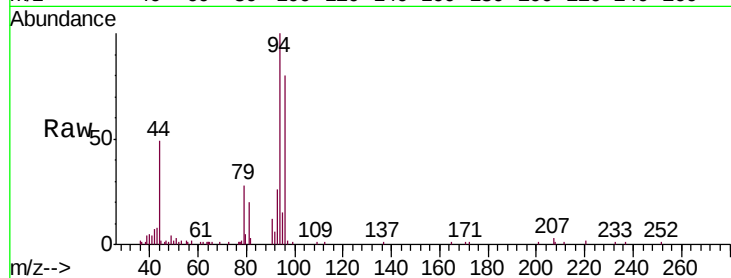
VF0725SBS01

Tot Ion: 94 Resp: 26816

Ion Ratio Lower Upper

94 100

96 80.2 74.6 112.0



#6

Chloroethane

Concen: 21.61 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059659.D

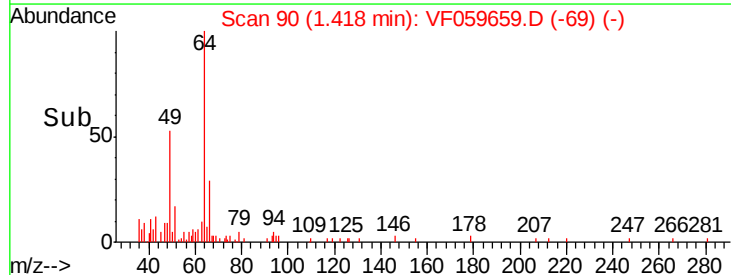
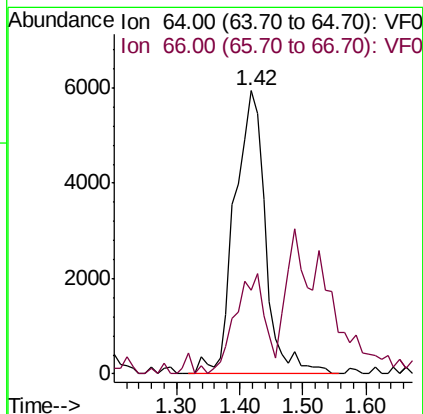
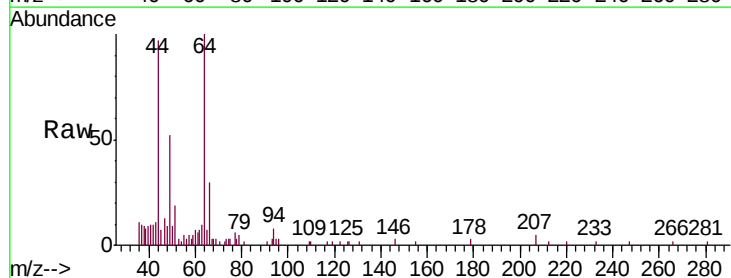
Acq: 25 Jul 2018 15:53

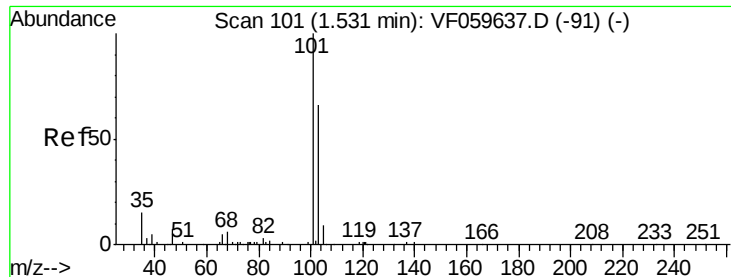
Tgt Ion: 64 Resp: 20042

Ion Ratio Lower Upper

64 100

66 29.7 29.0 43.6



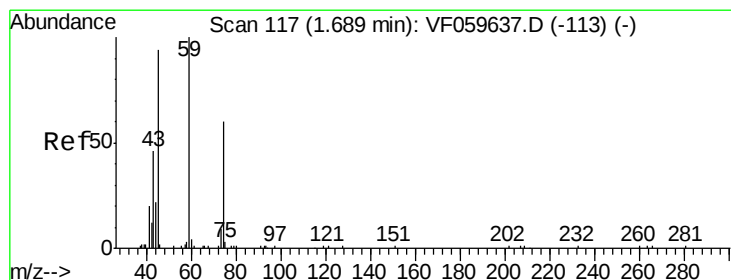
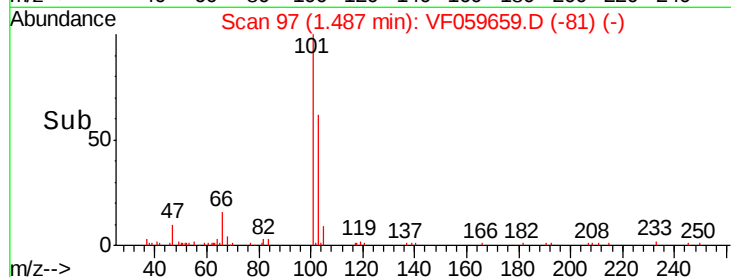
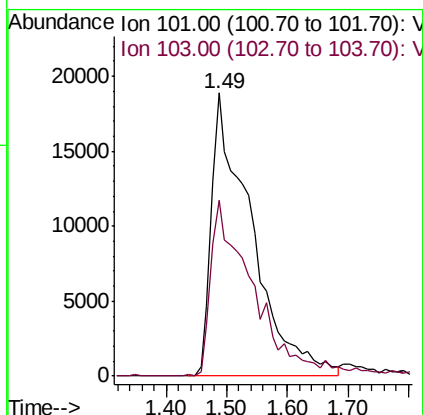
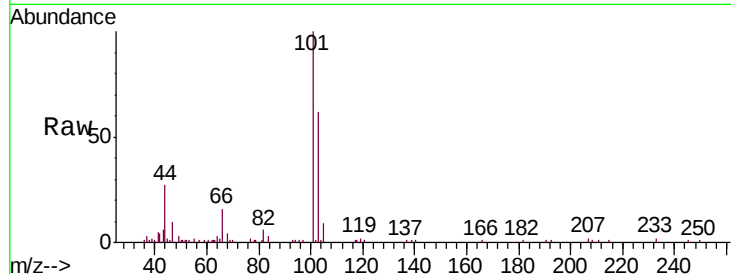


#7

Trichlorofluoromethane
 Concen: 20.64 ug/l
 RT: 1.49 min Scan# 97
 Delta R.T. -0.04 min
 Lab File: VF059659.D
 Acq: 25 Jul 2018 15:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

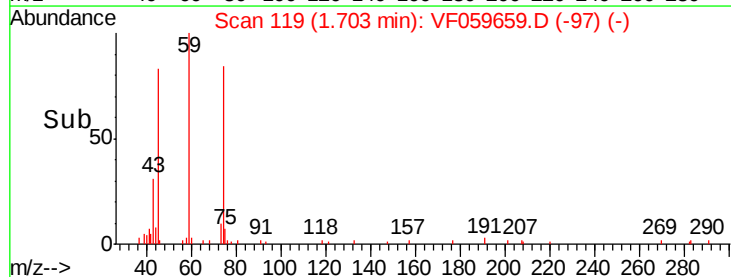
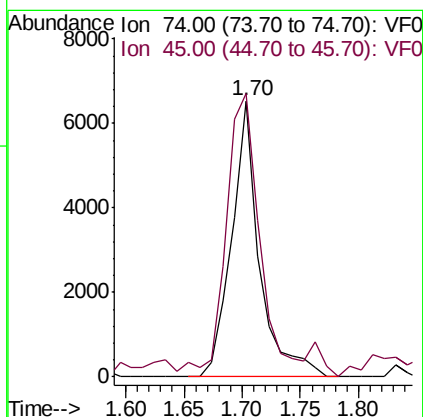
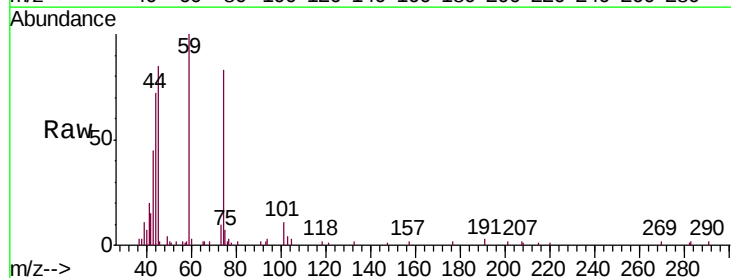
Tot Ion:101 Resp: 86379
 Ion Ratio Lower Upper
 101 100
 103 62.2 52.5 78.7

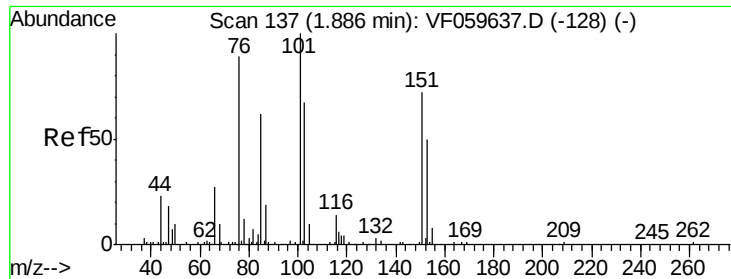


#8

Diethyl Ether
 Concen: 18.49 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. 0.01 min
 Lab File: VF059659.D
 Acq: 25 Jul 2018 15:53

Tgt Ion: 74 Resp: 10777
 Ion Ratio Lower Upper
 74 100
 45 102.6 80.3 241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.87 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

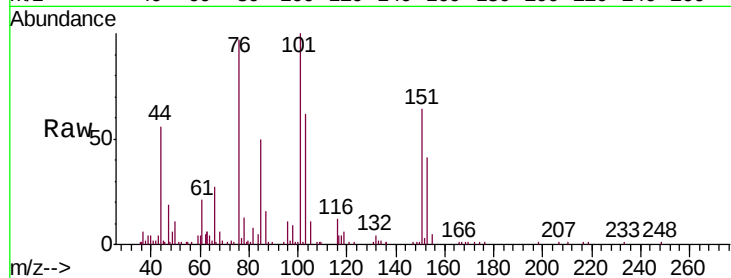
Tot Ion:101 Resp: 50090

Ion Ratio Lower Upper

101 100

85 49.6 49.0 73.4

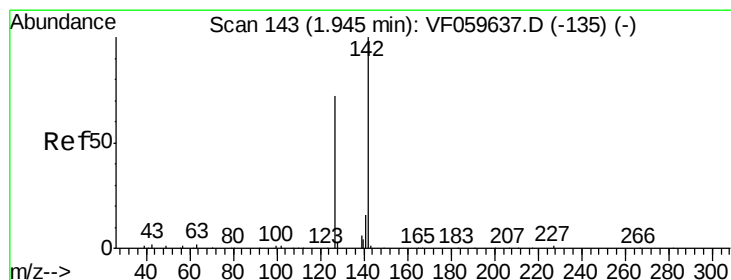
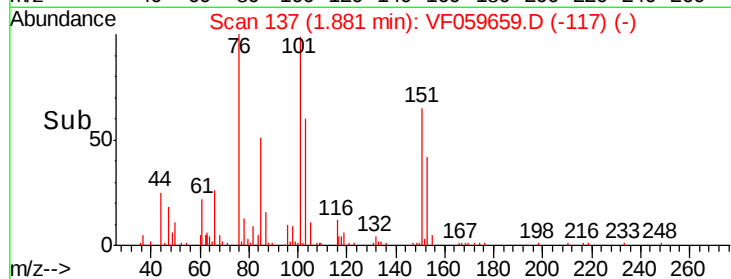
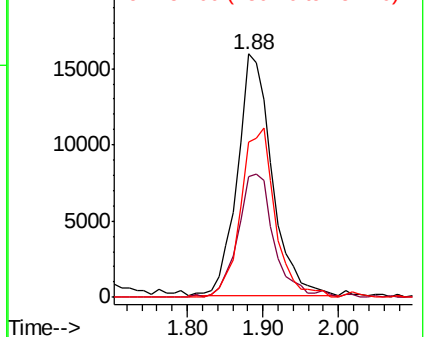
151 63.7 56.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 21.57 ug/l

RT: 1.93 min Scan# 142

Delta R.T. -0.02 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

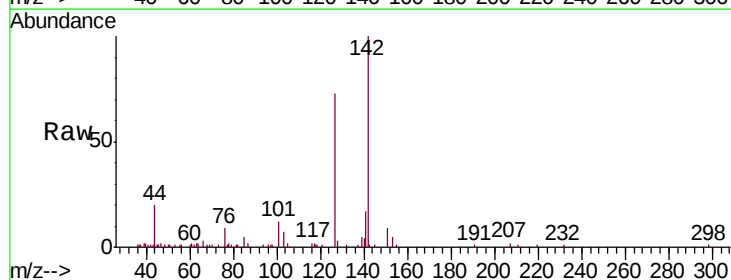
Tgt Ion:142 Resp: 74362

Ion Ratio Lower Upper

142 100

127 72.2 57.5 86.3

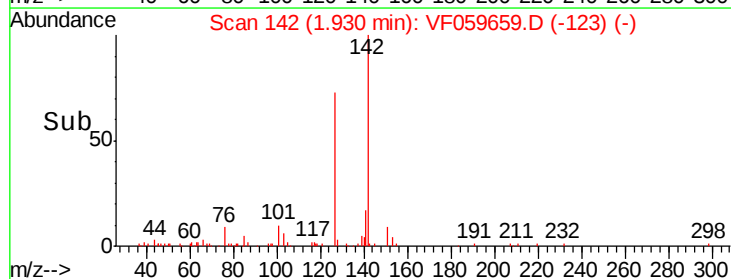
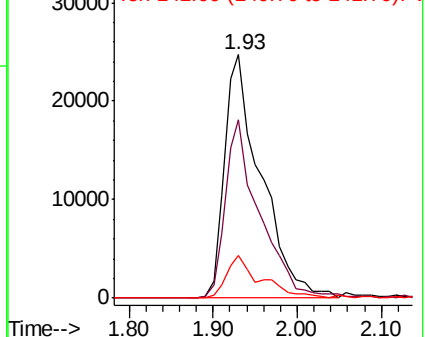
141 17.1 13.2 19.8

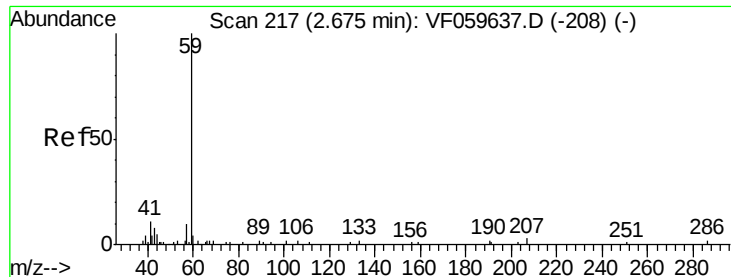


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



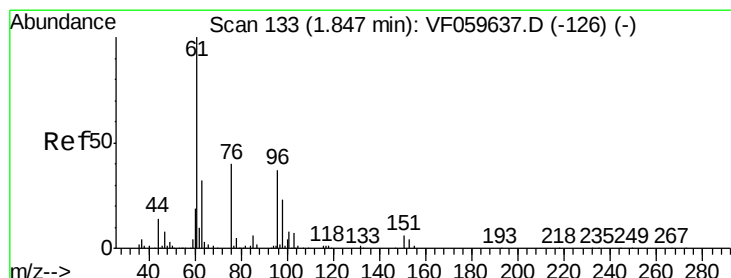
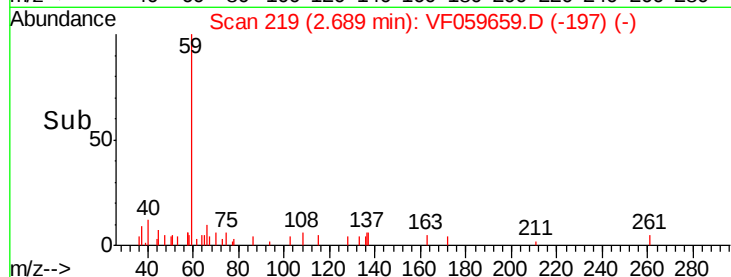
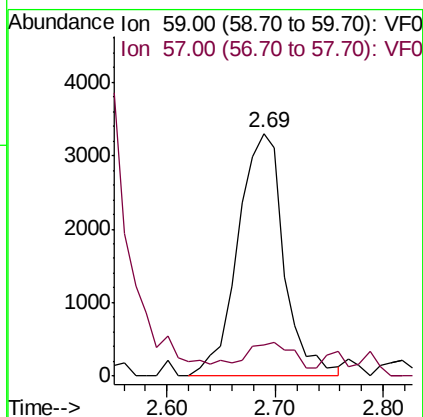
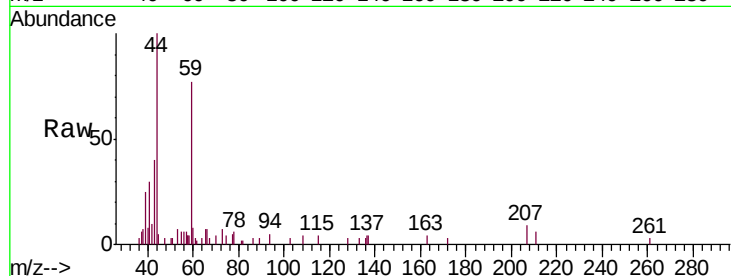


#11

Tert butyl alcohol
 Concen: 79.11 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.01 min
 Lab File: VF059659.D
 Acq: 25 Jul 2018 15:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

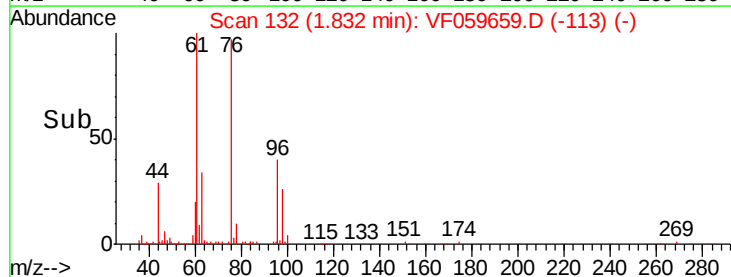
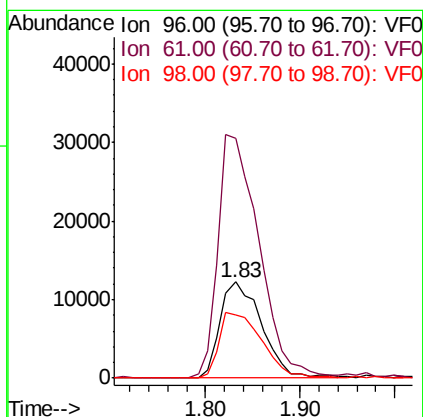
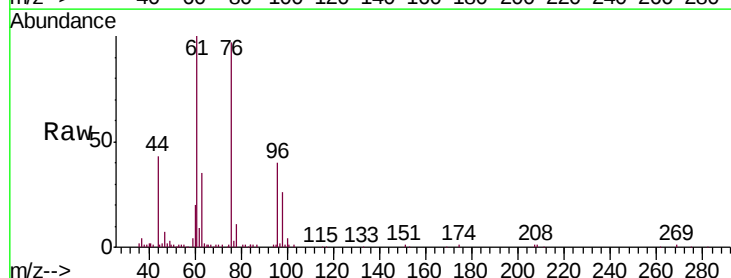
Tot Ion: 59 Resp: 9795
 Ion Ratio Lower Upper
 59 100
 57 18.1 11.4 17.2#

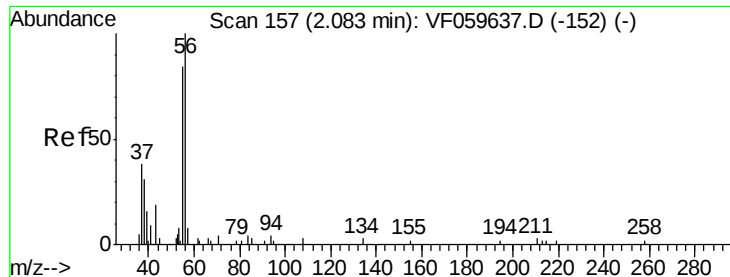


#12

1,1-Dichloroethene
 Concen: 22.91 ug/l
 RT: 1.83 min Scan# 132
 Delta R.T. -0.01 min
 Lab File: VF059659.D
 Acq: 25 Jul 2018 15:53

Tgt Ion: 96 Resp: 37431
 Ion Ratio Lower Upper
 96 100
 61 249.2 218.2 327.4
 98 65.5 50.6 76.0





#13

Acrolein

Concen: 69.07 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

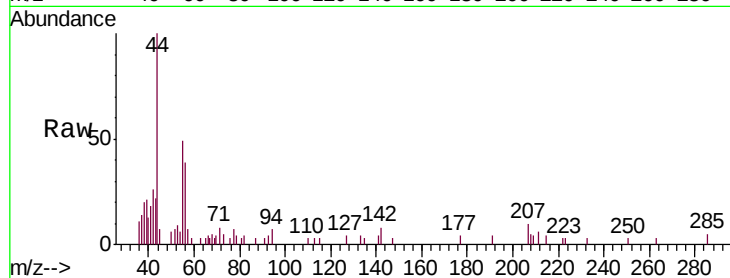
VF0725SBS01

Tot Ion: 56 Resp: 4193

Ion Ratio Lower Upper

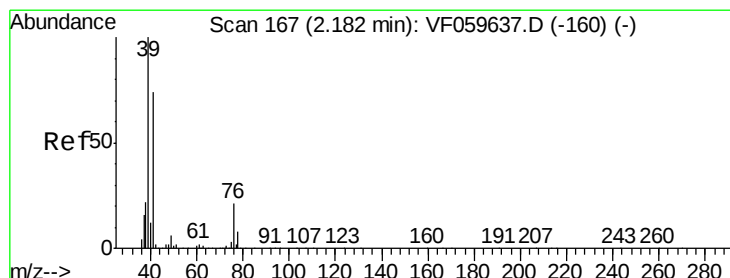
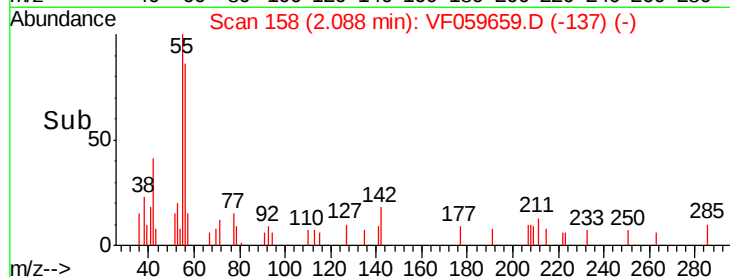
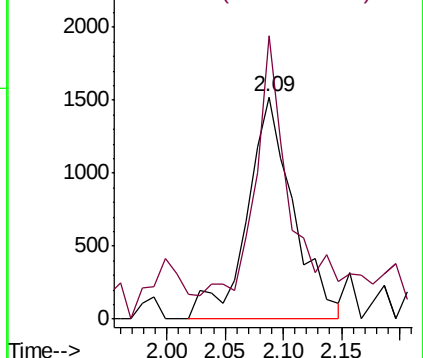
56 100

55 127.3 67.2 100.8#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 24.12 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

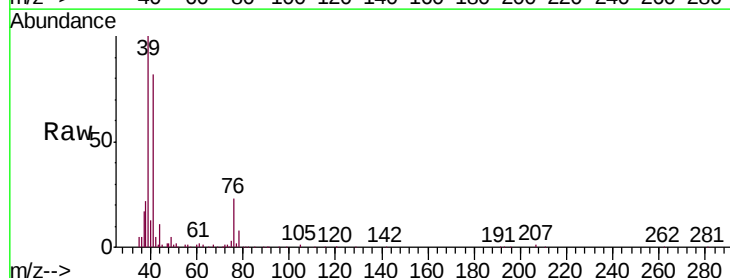
Tgt Ion: 41 Resp: 68268

Ion Ratio Lower Upper

41 100

39 121.8 108.6 162.8

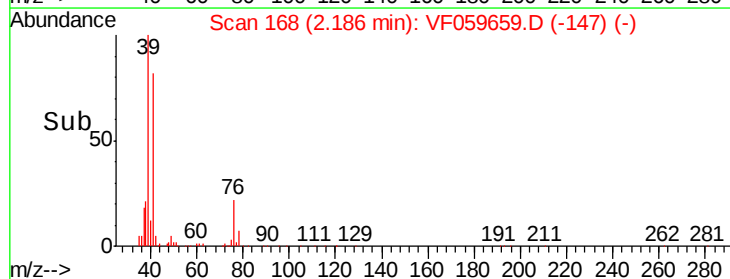
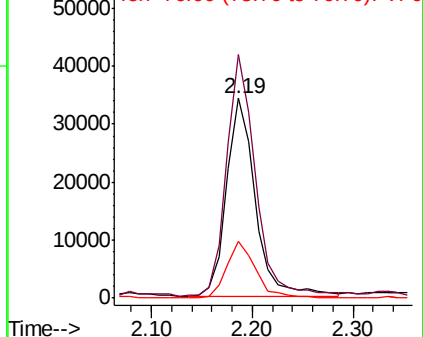
76 28.6 23.0 34.6

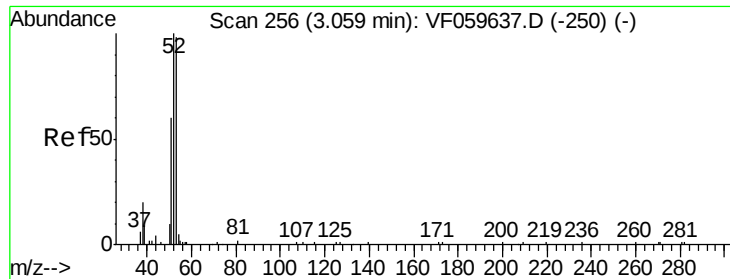


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 82.26 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.02 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

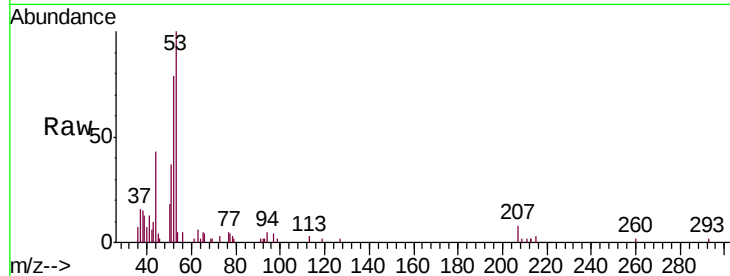
Tot Ion: 53 Resp: 17531

Ion Ratio Lower Upper

53 100

52 79.2 80.9 121.3#

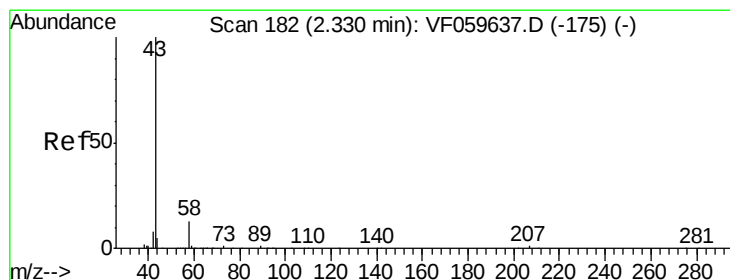
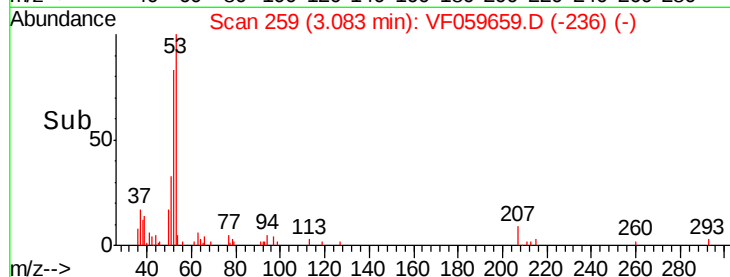
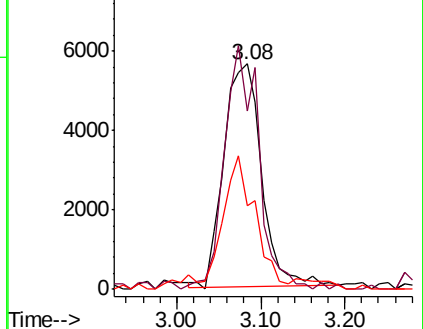
51 37.0 49.4 74.2#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 73.76 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF059659.D

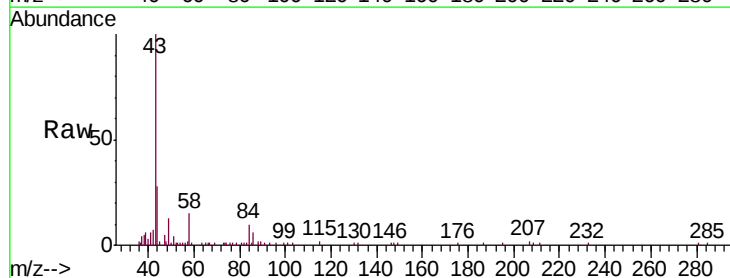
Acq: 25 Jul 2018 15:53

Tgt Ion: 43 Resp: 38467

Ion Ratio Lower Upper

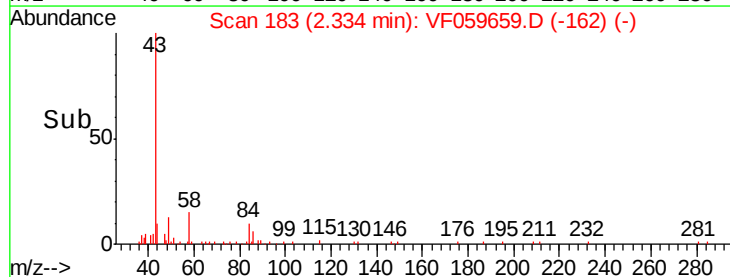
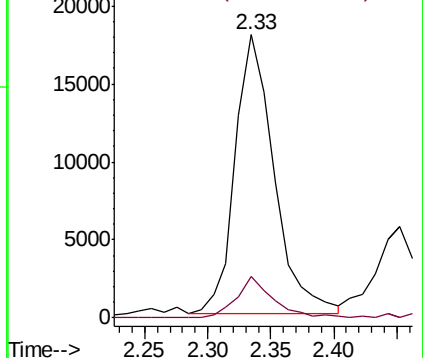
43 100

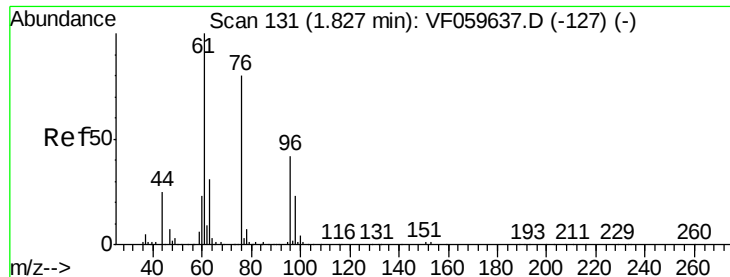
58 14.7 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 29.33 ug/l

RT: 1.84 min Scan# 133

Delta R.T. 0.01 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

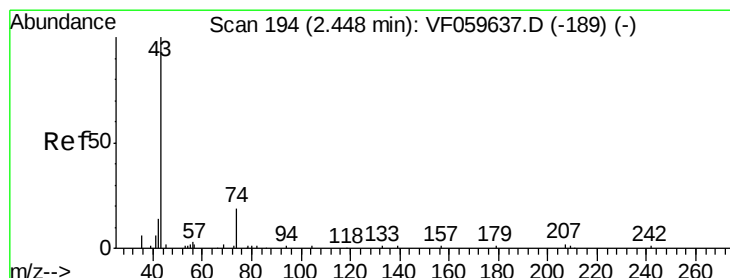
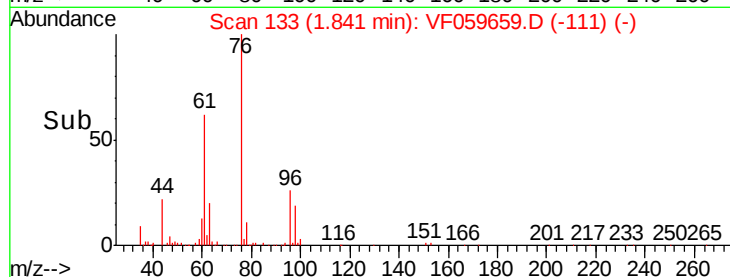
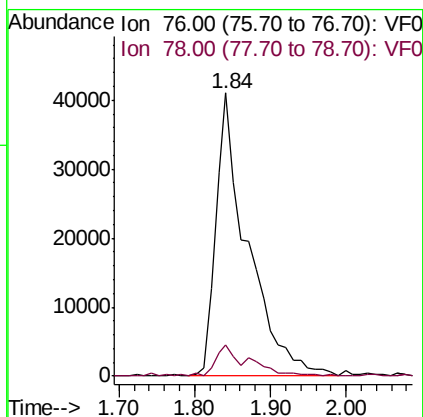
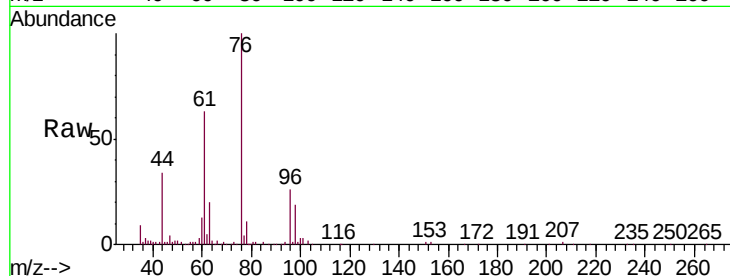
VF0725SBS01

Tot Ion: 76 Resp: 119848

Ion Ratio Lower Upper

76 100

78 11.0 7.0 10.6#



#18

Methyl Acetate

Concen: 14.26 ug/l

RT: 2.45 min Scan# 195

Delta R.T. 0.00 min

Lab File: VF059659.D

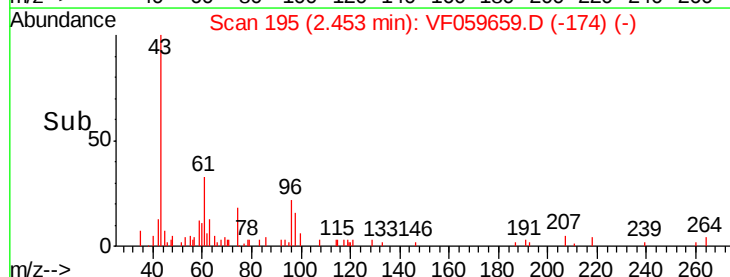
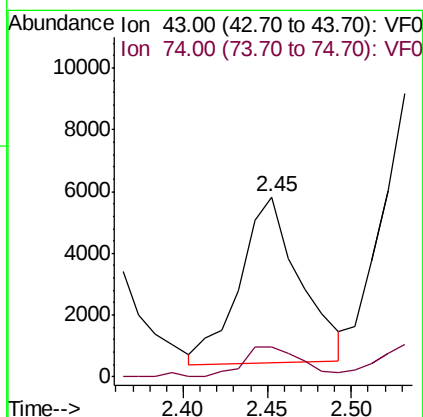
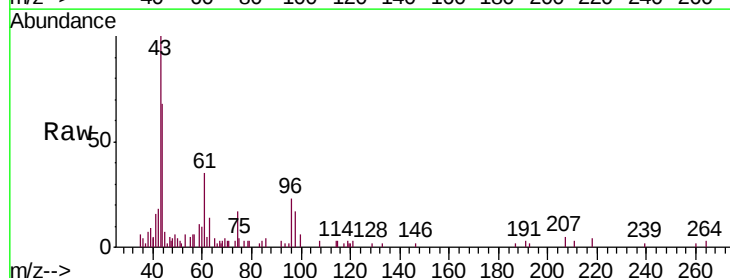
Acq: 25 Jul 2018 15:53

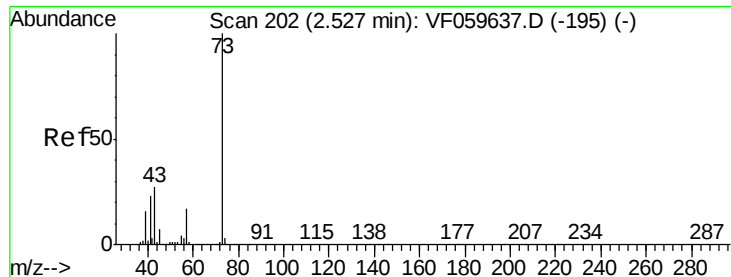
Tgt Ion: 43 Resp: 13326

Ion Ratio Lower Upper

43 100

74 17.0 13.0 19.6



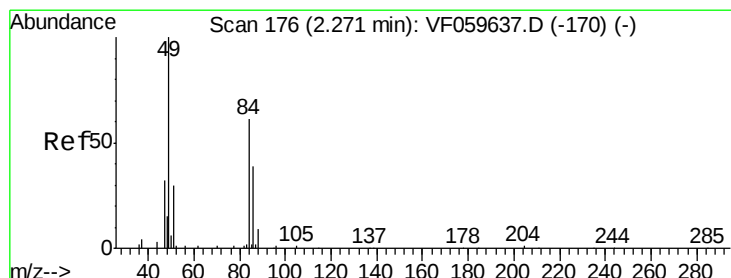
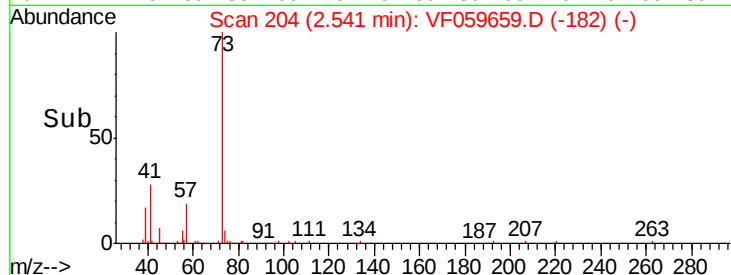
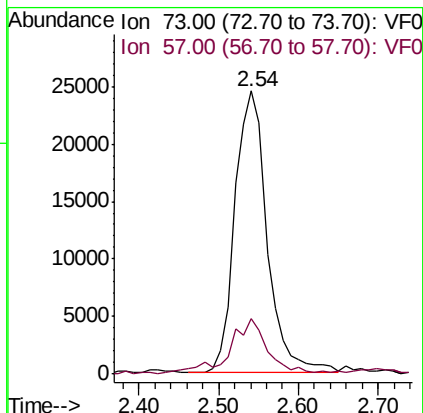
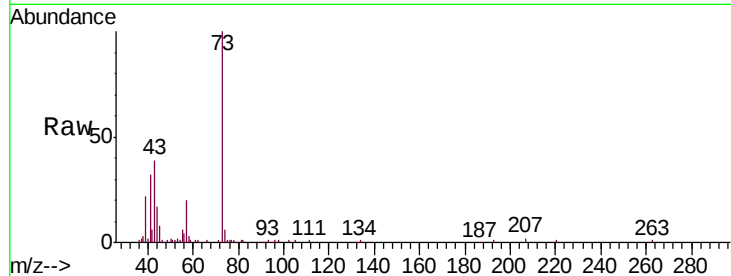


#19

Methyl tert-butyl Ether
 Concen: 15.99 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.01 min
 Lab File: VF059659.D
 Acq: 25 Jul 2018 15:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

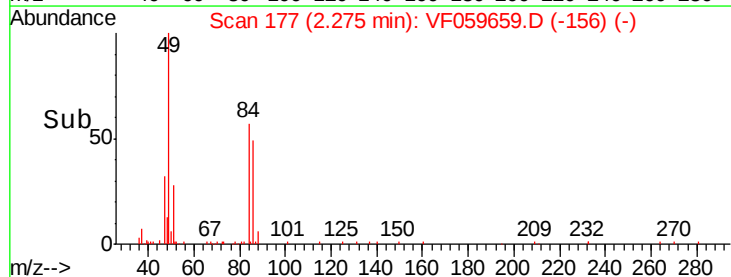
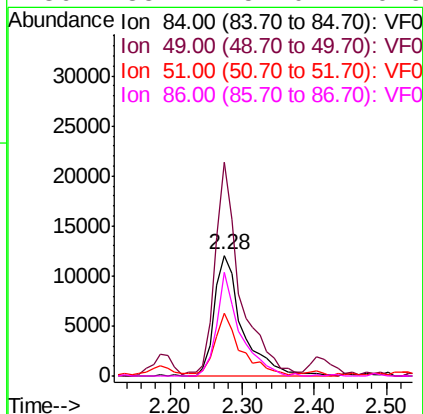
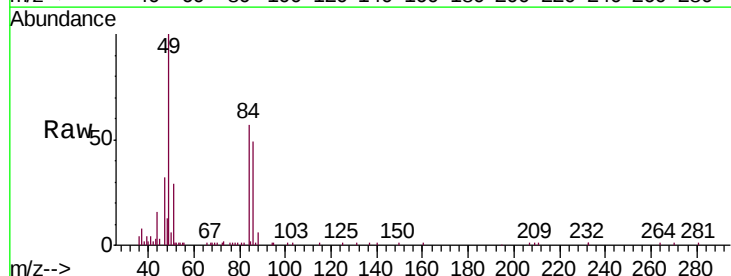
Tot Ion: 73 Resp: 68810
 Ion Ratio Lower Upper
 73 100
 57 19.6 14.2 21.4

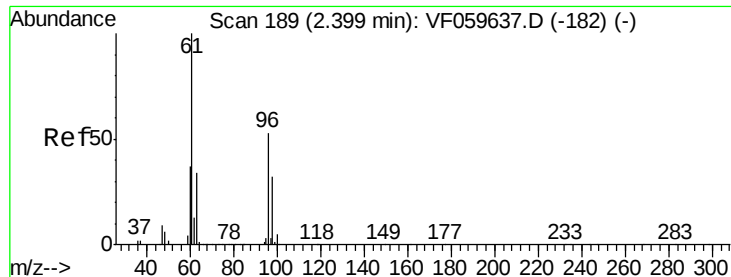


#20

Methylene Chloride
 Concen: 19.92 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. 0.01 min
 Lab File: VF059659.D
 Acq: 25 Jul 2018 15:53

Tgt Ion: 84 Resp: 32255
 Ion Ratio Lower Upper
 84 100
 49 176.5 133.8 200.8
 51 51.5 41.1 61.7
 86 85.7 51.0 76.6#





#21

trans-1,2-Dichloroethene

Concen: 22.76 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.01 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

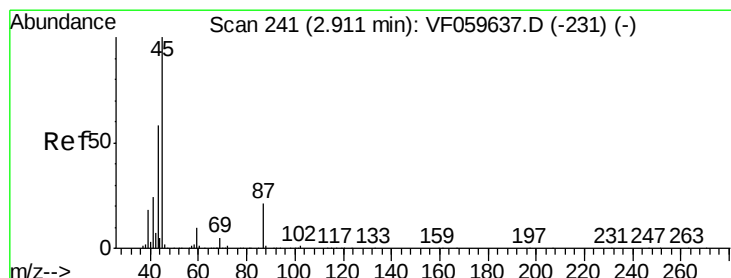
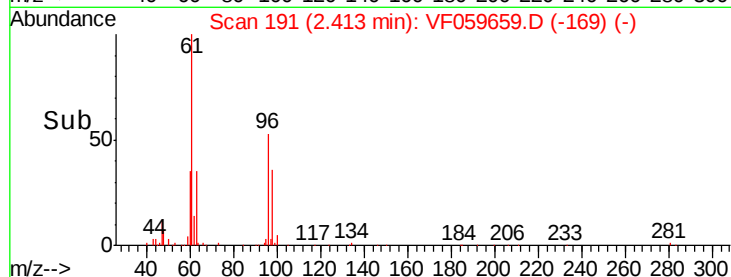
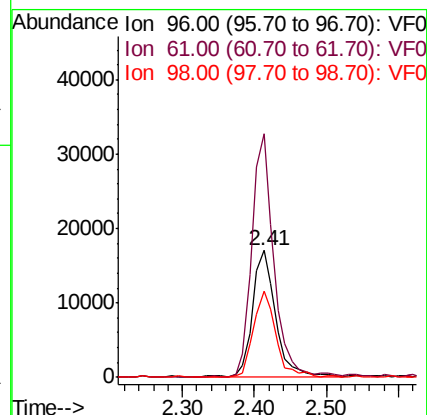
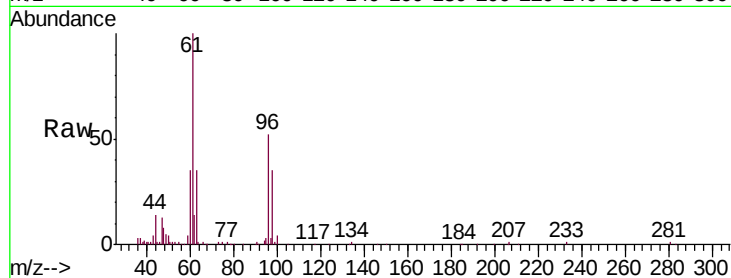
Tot Ion: 96 Resp: 39030

Ion Ratio Lower Upper

96 100

61 192.4 151.4 227.2

98 67.9 49.0 73.6



#22

Diisopropyl ether

Concen: 20.76 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.01 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Tgt Ion: 45 Resp: 112705

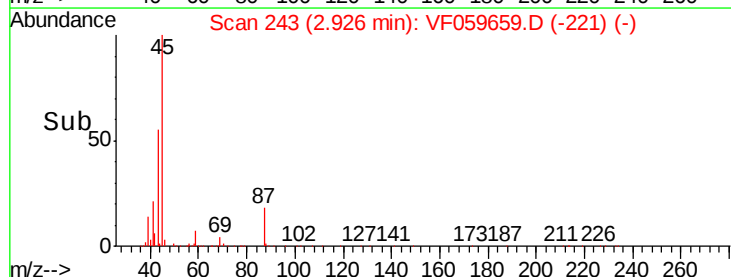
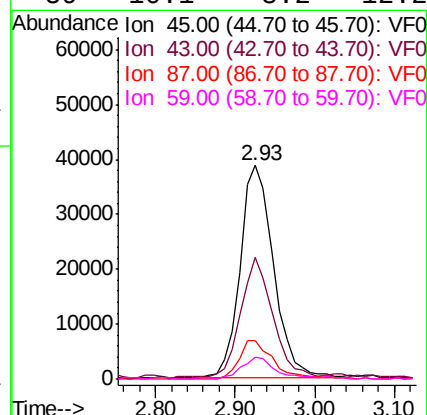
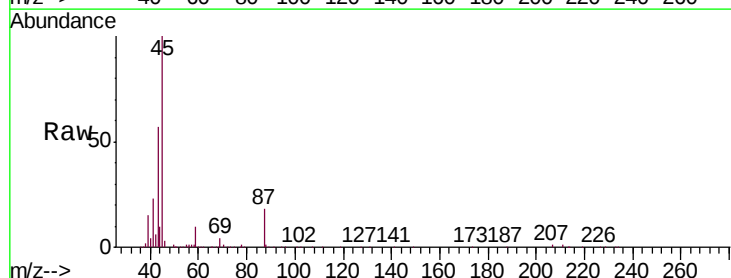
Ion Ratio Lower Upper

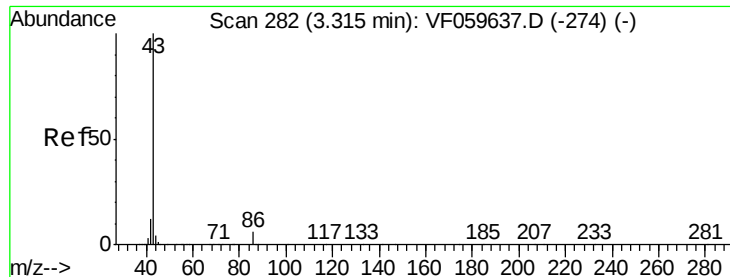
45 100

43 57.1 46.5 69.7

87 17.7 16.5 24.7

59 10.1 8.2 12.2

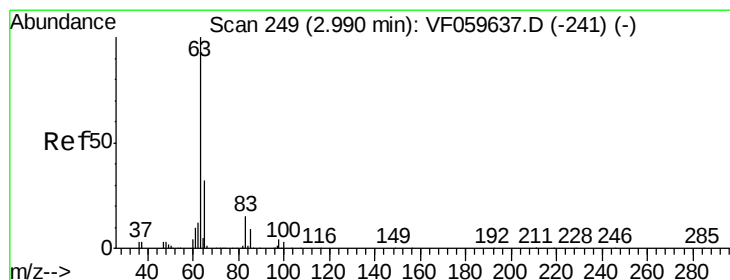
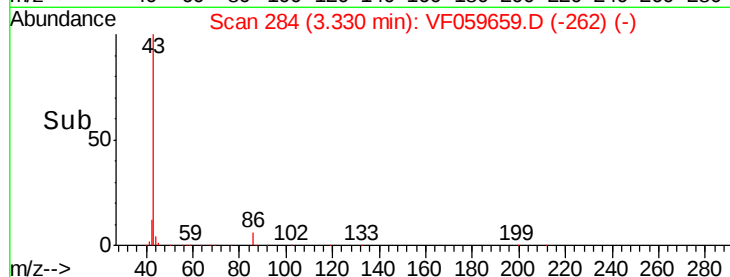
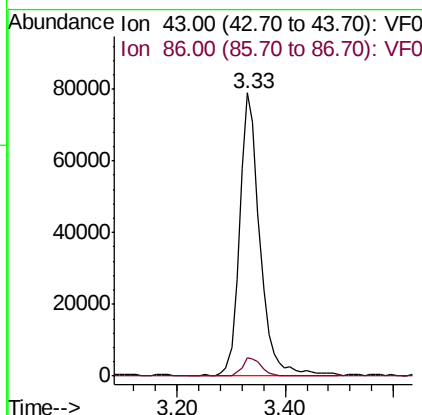
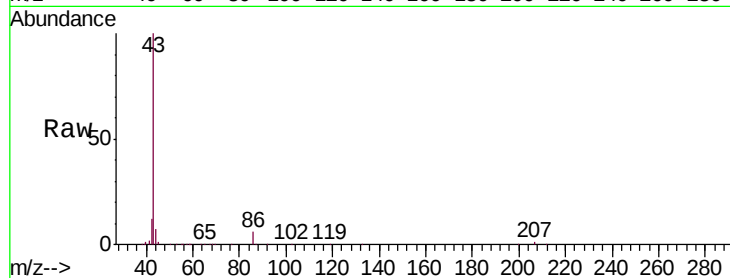




#23
 Vinyl Acetate
 Concen: 82.34 ug/l
 RT: 3.33 min Scan# 284
 Delta R.T. 0.01 min
 Lab File: VF059659.D
 Acq: 25 Jul 2018 15:53

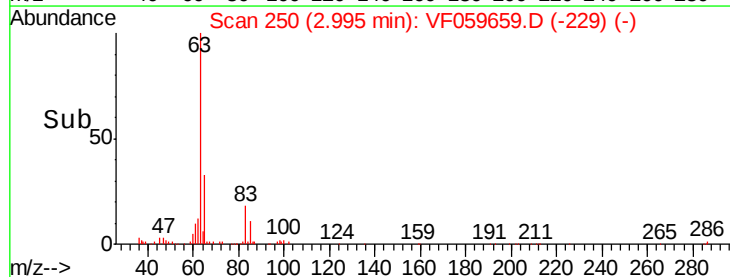
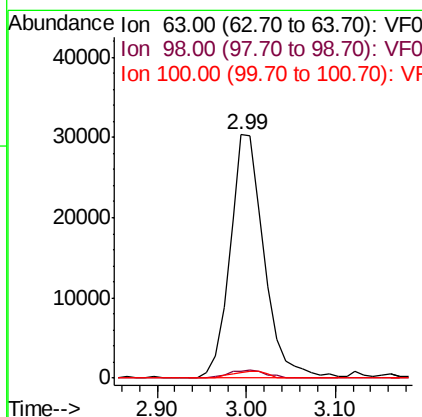
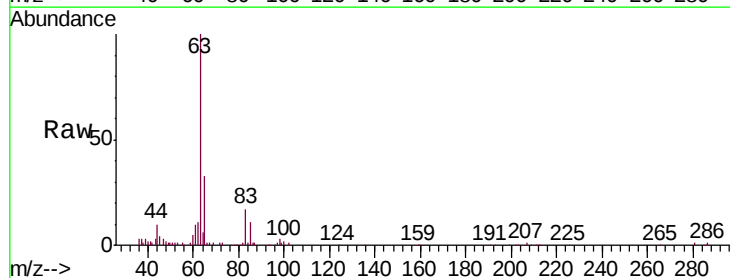
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBSD01

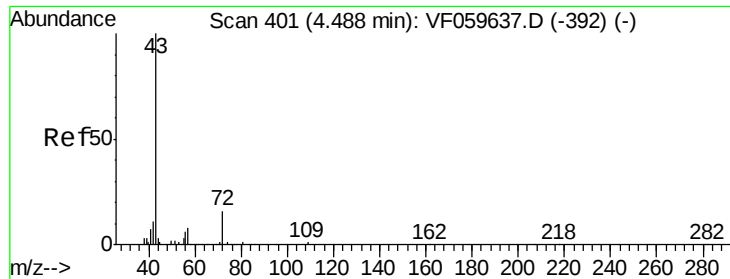
Tot Ion: 43 Resp: 206168
 Ion Ratio Lower Upper
 43 100
 86 6.5 4.5 6.7



#24
 1,1-Dichloroethane
 Concen: 20.85 ug/l
 RT: 2.99 min Scan# 250
 Delta R.T. 0.00 min
 Lab File: VF059659.D
 Acq: 25 Jul 2018 15:53

Tgt Ion: 63 Resp: 80517
 Ion Ratio Lower Upper
 63 100
 98 2.9 1.8 5.5
 100 2.3 1.3 3.9





#25

2-Butanone

Concen: 88.20 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.02 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

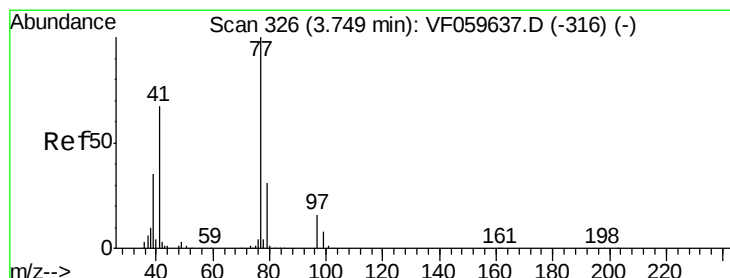
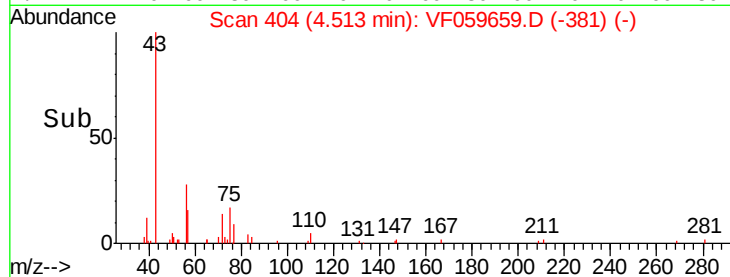
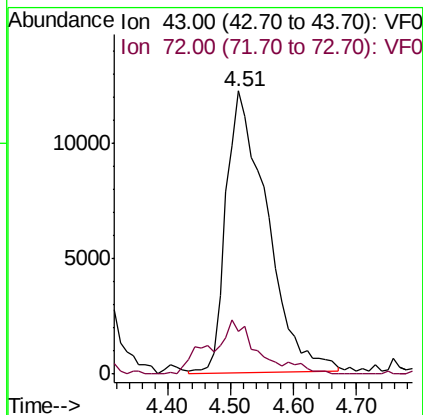
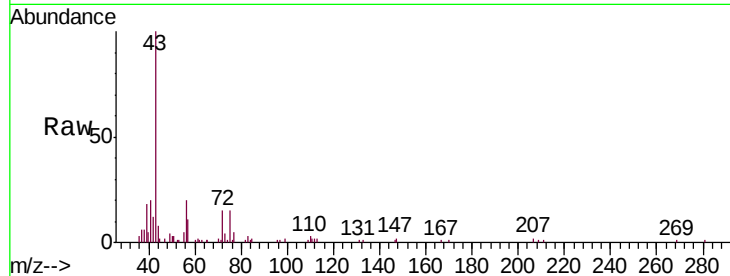
VF0725SBS01

Tot Ion: 43 Resp: 55073

Ion Ratio Lower Upper

43 100

72 15.1 13.5 20.3



#26

2,2-Dichloropropane

Concen: 25.79 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF059659.D

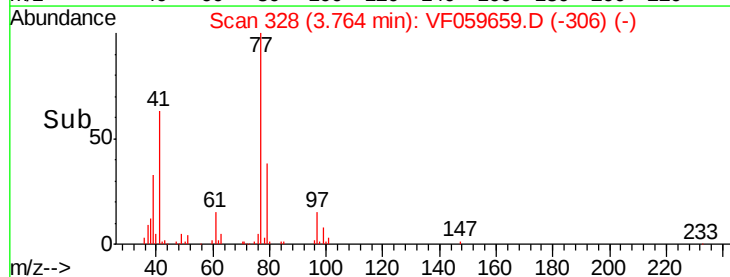
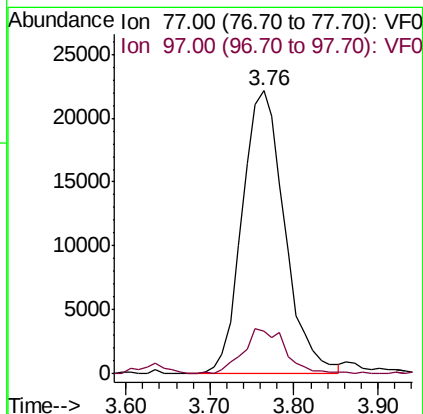
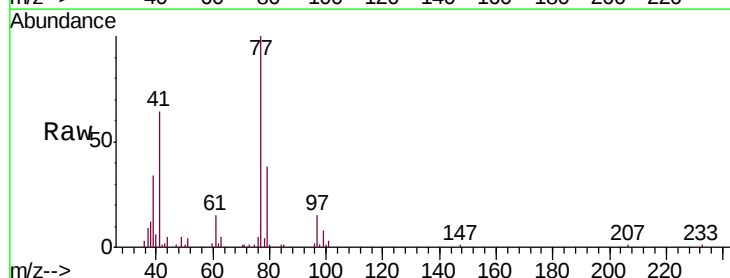
Acq: 25 Jul 2018 15:53

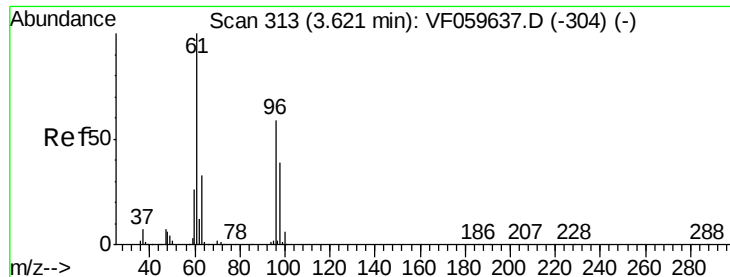
Tgt Ion: 77 Resp: 78389

Ion Ratio Lower Upper

77 100

97 15.2 7.8 23.3



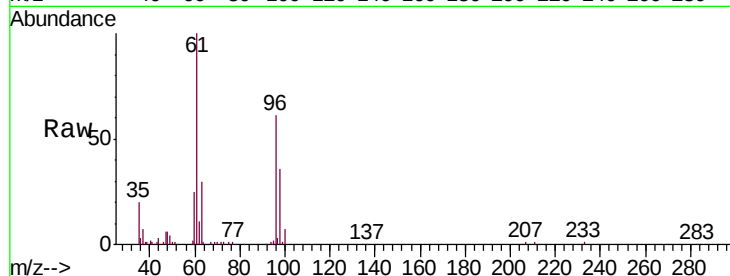


#27

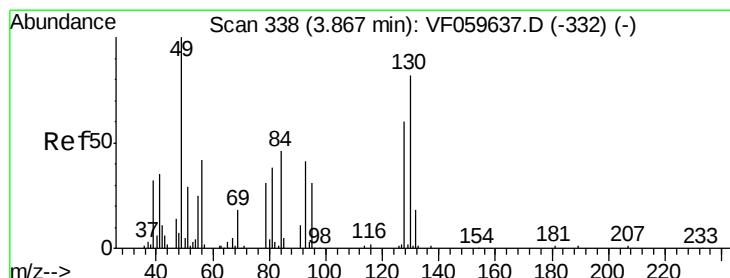
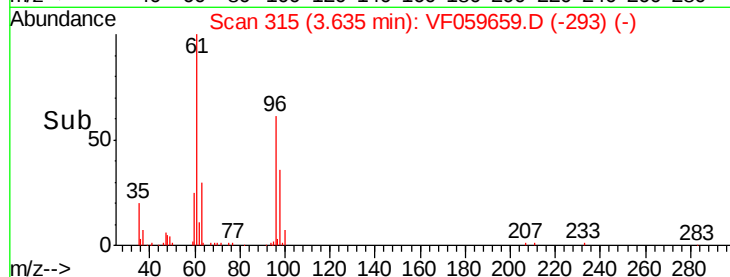
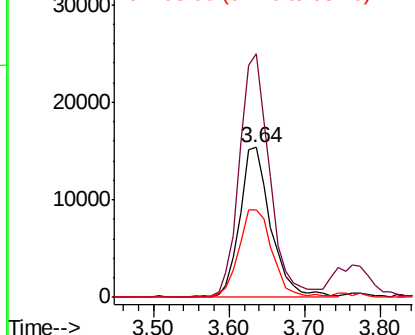
cis-1,2-Dichloroethene
Concen: 20.81 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.01 min
Lab File: VF059659.D
Acq: 25 Jul 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

Tot Ion: 96 Resp: 43674
Ion Ratio Lower Upper
96 100
61 162.7 0.0 337.4
98 58.8 0.0 132.8



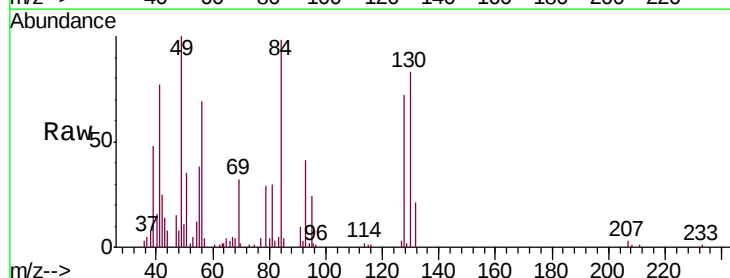
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



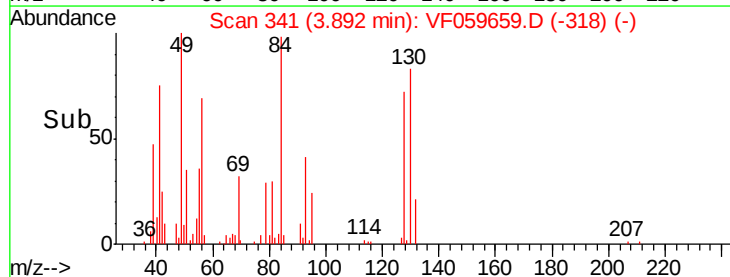
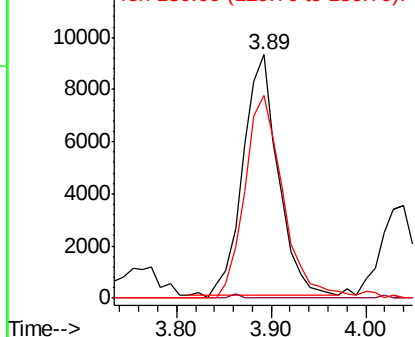
#28

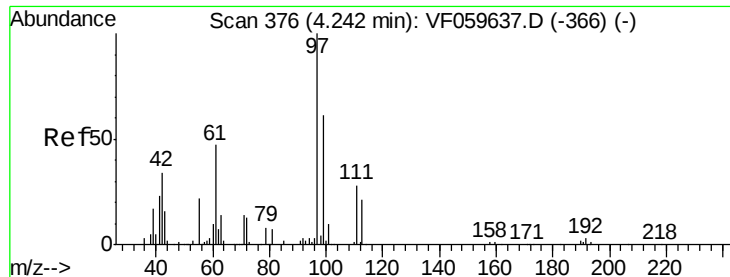
Bromochloromethane
Concen: 15.63 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.02 min
Lab File: VF059659.D
Acq: 25 Jul 2018 15:53

Tgt Ion: 49 Resp: 23519
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 83.4 65.0 97.4



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 70.37 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.01 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

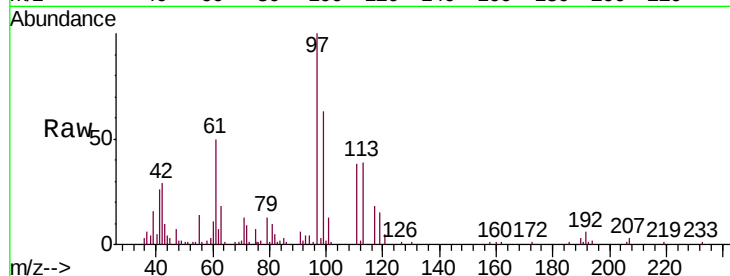
Tot Ion: 42 Resp: 19328

Ion Ratio Lower Upper

42 100

72 37.4 30.0 45.0

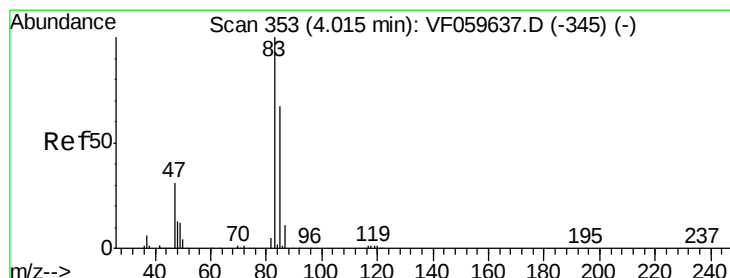
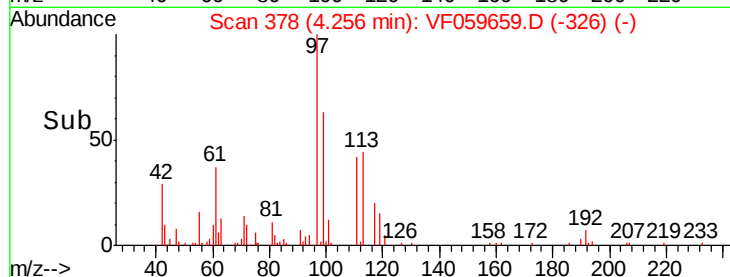
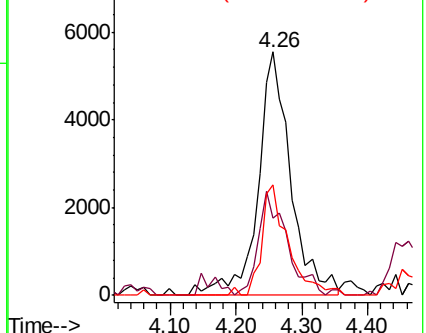
71 37.1 28.6 42.8



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: 19.06 ug/l

RT: 4.04 min Scan# 356

Delta R.T. 0.02 min

Lab File: VF059659.D

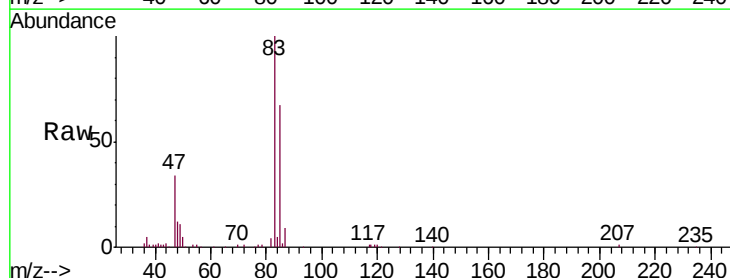
Acq: 25 Jul 2018 15:53

Tgt Ion: 83 Resp: 102128

Ion Ratio Lower Upper

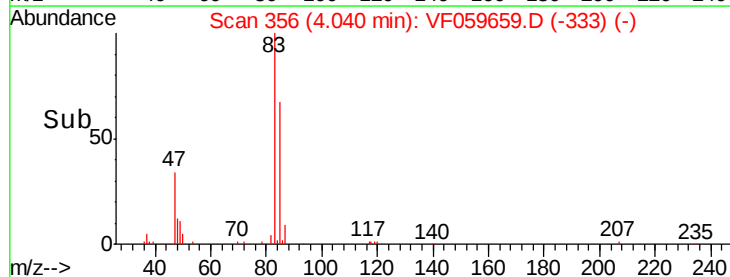
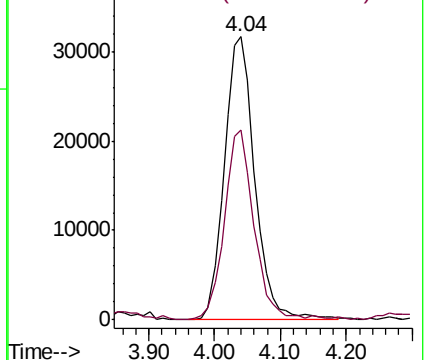
83 100

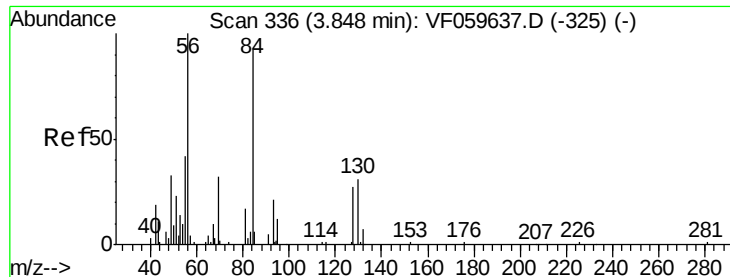
85 67.2 53.8 80.8



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

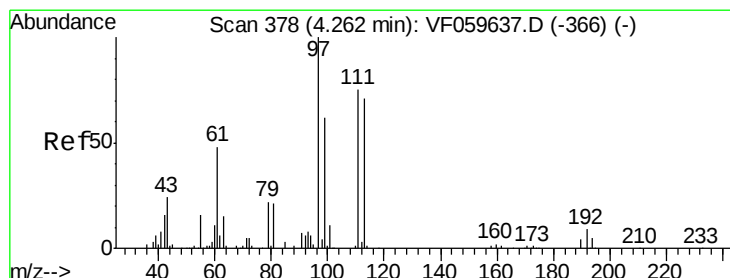
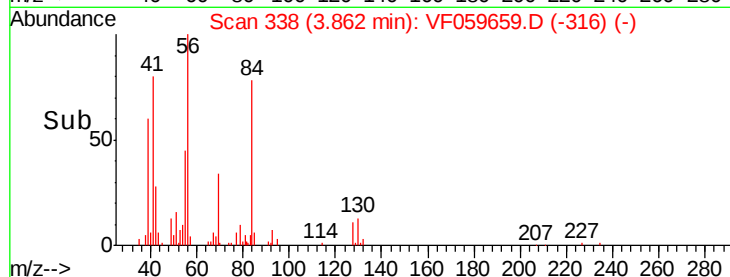
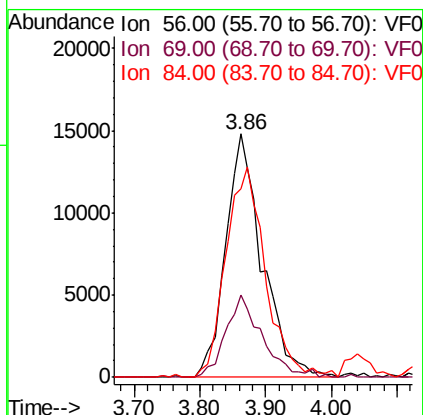
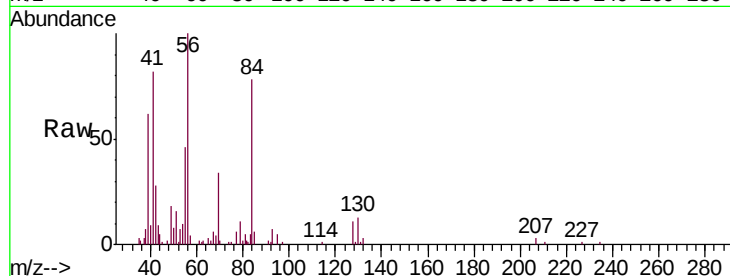




#31
Cvclohexane
Concen: 25.53 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.01 min
Lab File: VF059659.D
Acq: 25 Jul 2018 15:53

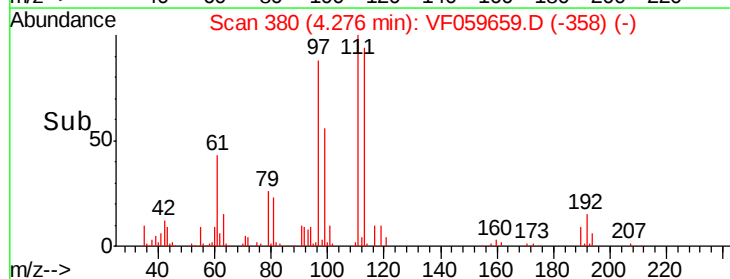
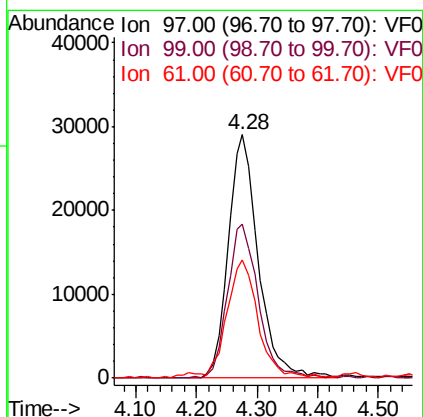
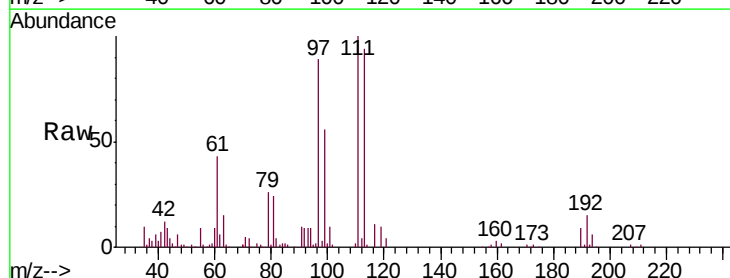
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

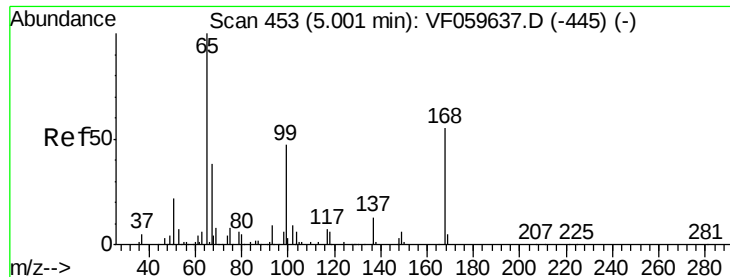
Tot Ion: 56 Resp: 57380
Ion Ratio Lower Upper
56 100
69 33.9 26.0 39.0
84 77.7 73.5 110.3



#32
1,1,1-Trichloroethane
Concen: 21.85 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF059659.D
Acq: 25 Jul 2018 15:53

Tgt Ion: 97 Resp: 99731
Ion Ratio Lower Upper
97 100
99 63.5 49.8 74.6
61 48.4 38.9 58.3

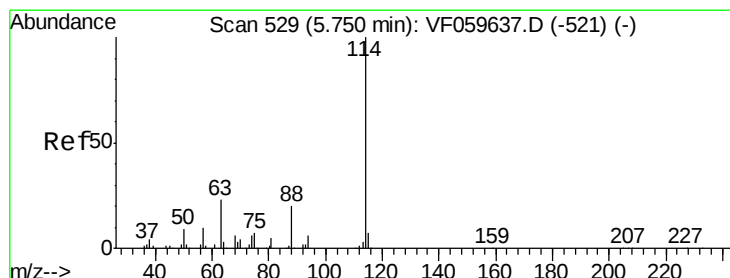
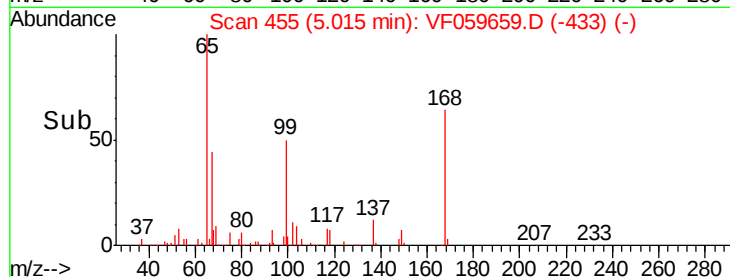
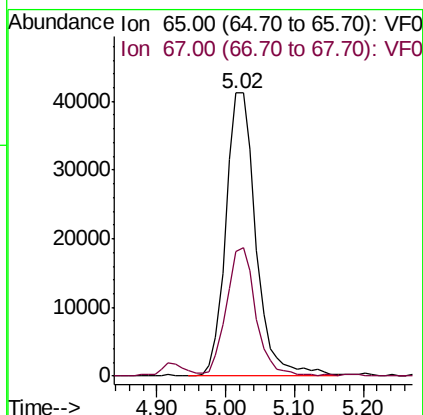
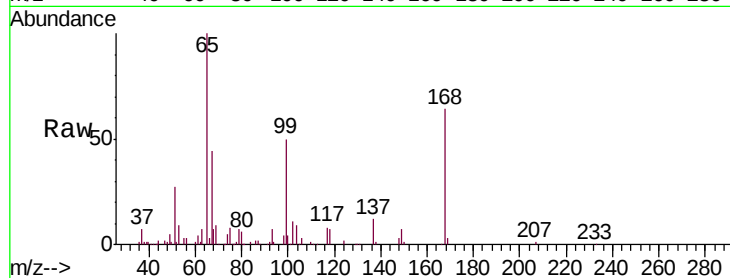




#33
 1,2-Dichloroethane-d4
 Concen: 37.75 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.01 min
 Lab File: VF059659.D
 Acq: 25 Jul 2018 15:53

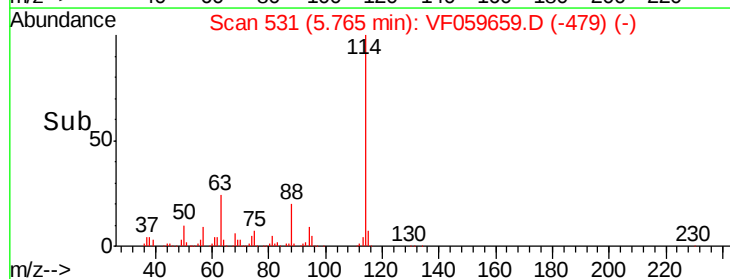
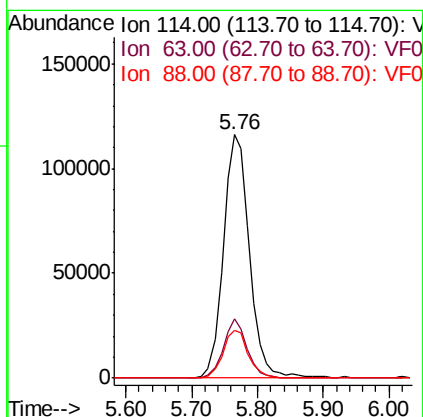
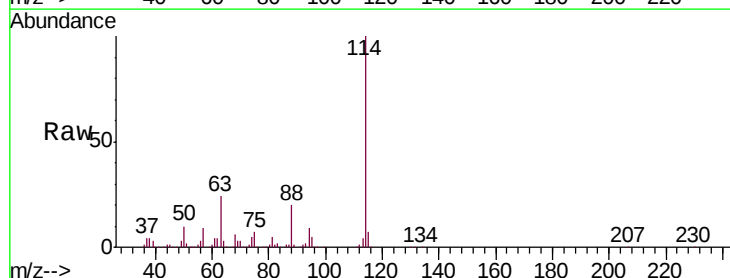
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

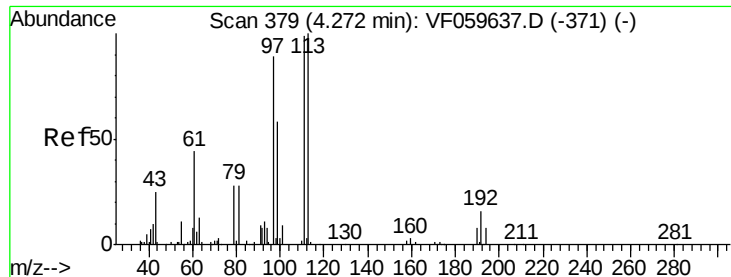
Tot Ion: 65 Resp: 125501
 Ion Ratio Lower Upper
 65 100
 67 43.9 0.0 86.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VF059659.D
 Acq: 25 Jul 2018 15:53

Tgt Ion: 114 Resp: 319874
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 45.6
 88 19.7 0.0 40.8

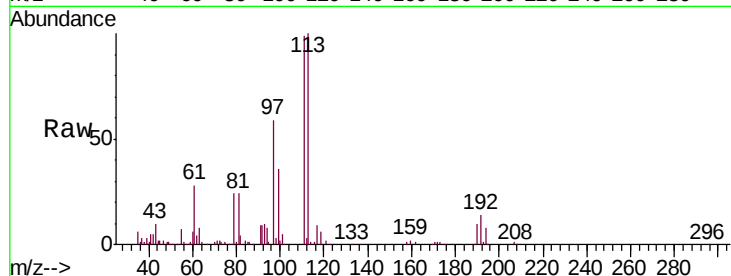




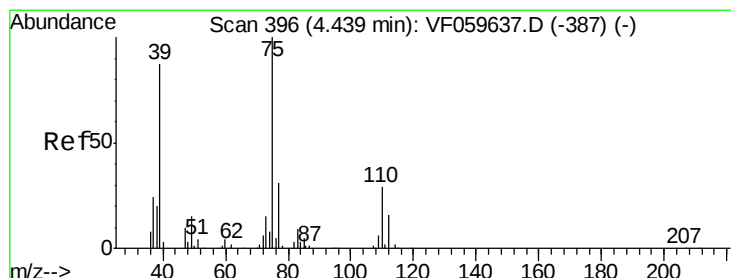
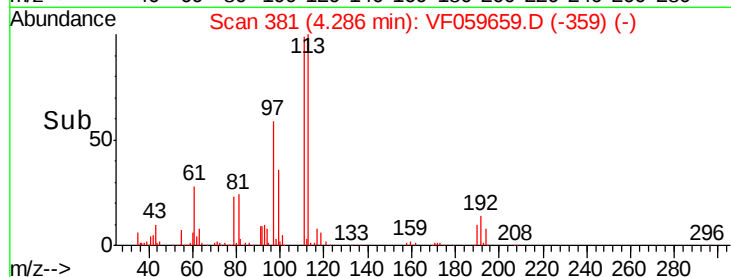
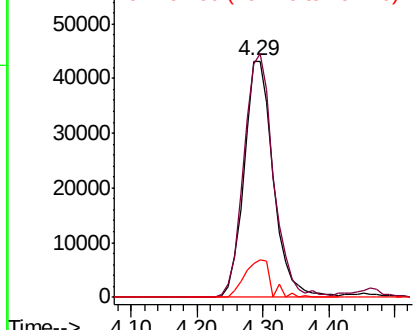
#35
Dibromofluoromethane
Concen: 47.04 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF059659.D
Acq: 25 Jul 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

Tot Ion:113 Resp: 135414
Ion Ratio Lower Upper
113 100
111 98.7 79.3 118.9
192 14.3 13.4 20.2

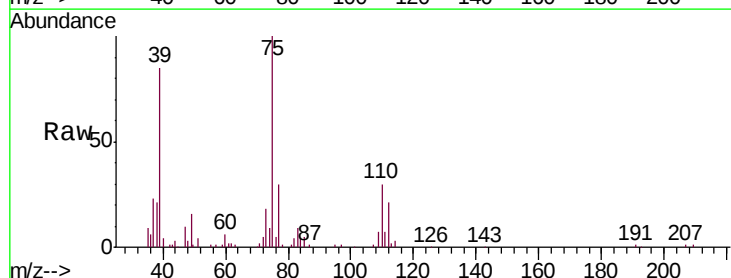


Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V

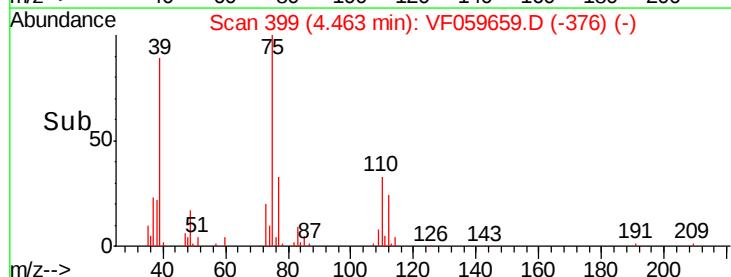
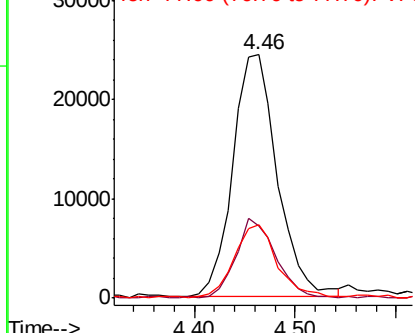


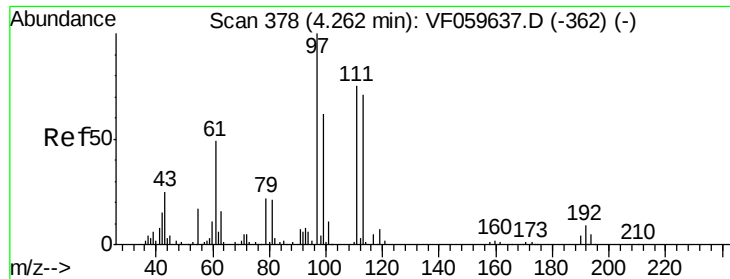
#36
1,1-Dichloropropene
Concen: 22.72 ug/l
RT: 4.46 min Scan# 399
Delta R.T. 0.02 min
Lab File: VF059659.D
Acq: 25 Jul 2018 15:53

Tgt Ion: 75 Resp: 74454
Ion Ratio Lower Upper
75 100
110 29.8 14.6 43.8
77 30.1 24.4 36.6



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: 14.29 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.03 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

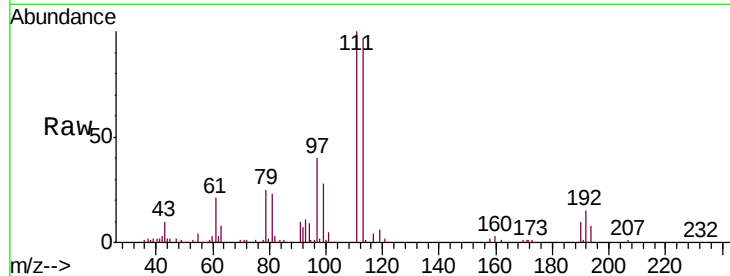
Tot Ion: 43 Resp: 19667

Ion Ratio Lower Upper

43 100

61 199.2 156.6 234.8

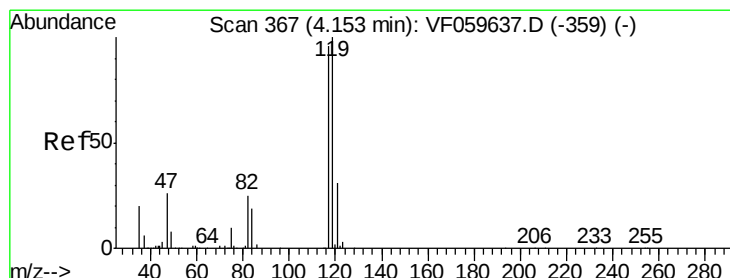
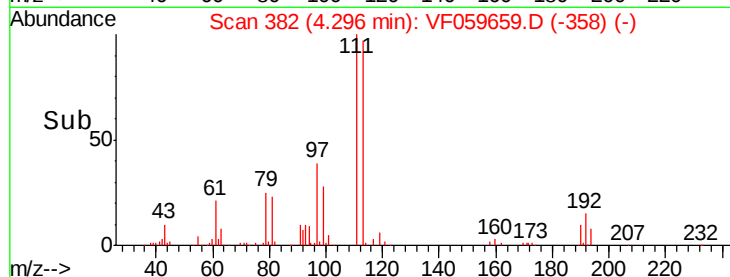
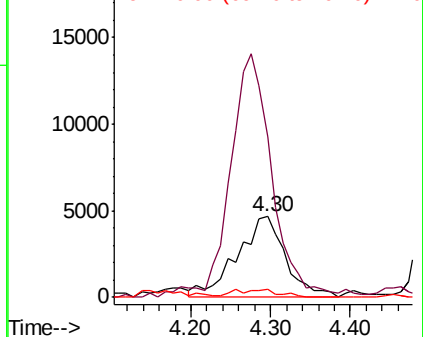
70 10.3 7.3 10.9



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: 22.06 ug/l

RT: 4.18 min Scan# 370

Delta R.T. 0.02 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

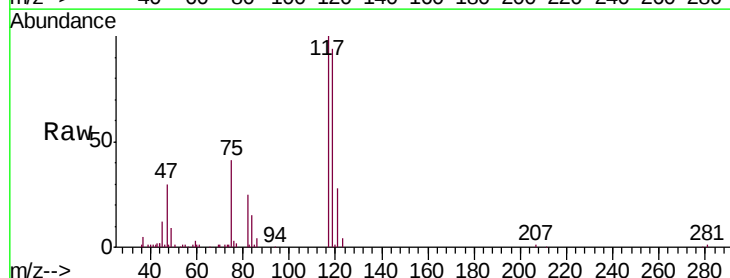
Tgt Ion: 117 Resp: 99785

Ion Ratio Lower Upper

117 100

119 94.3 83.0 124.6

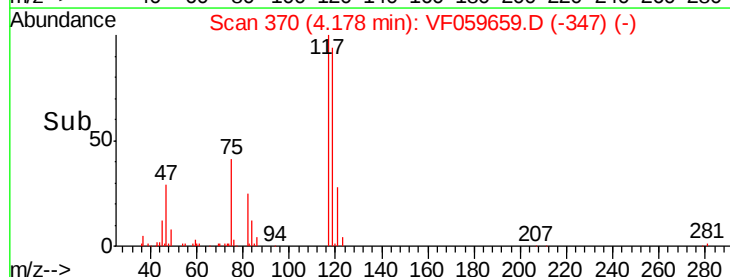
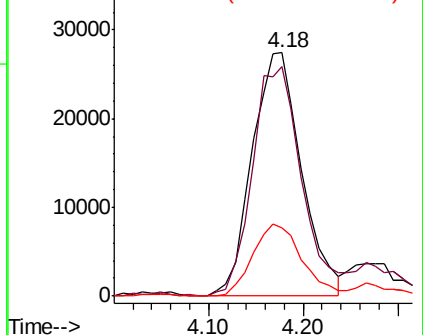
121 28.2 26.2 39.4

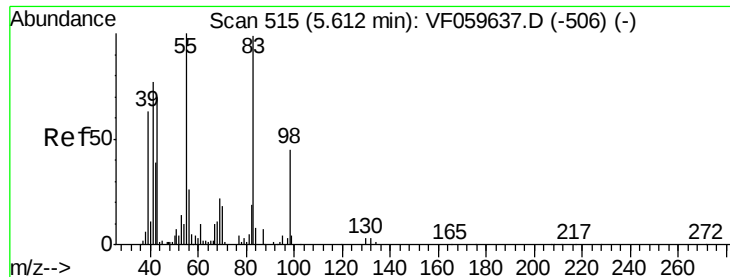


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

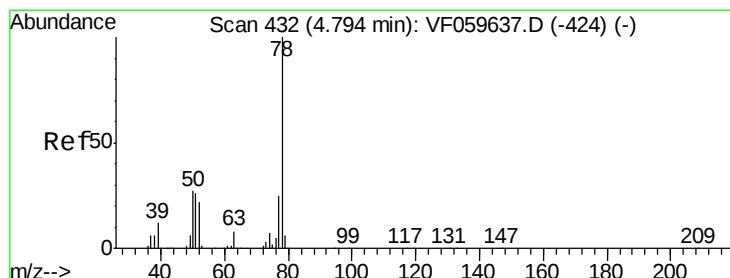
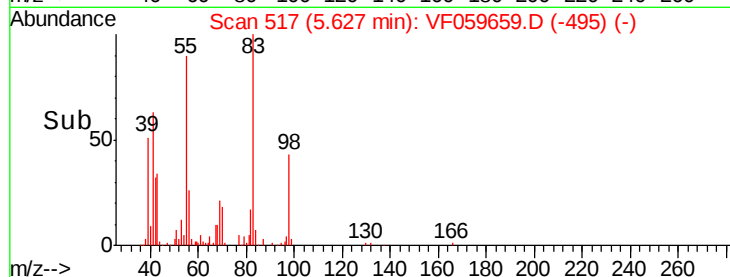
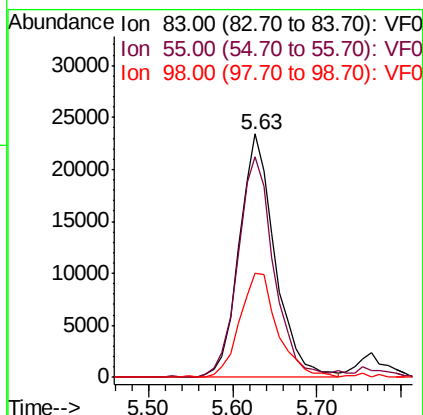
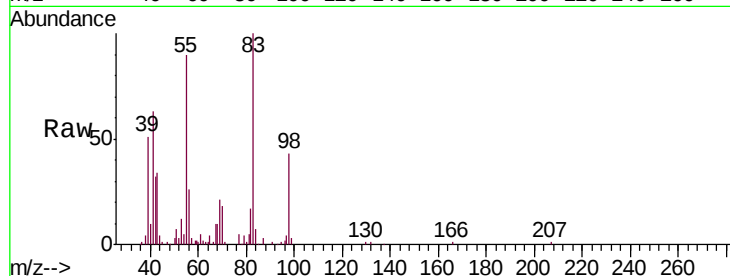




#39
Methylcyclohexane
Concen: 26.13 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.01 min
Lab File: VF059659.D
Acq: 25 Jul 2018 15:53

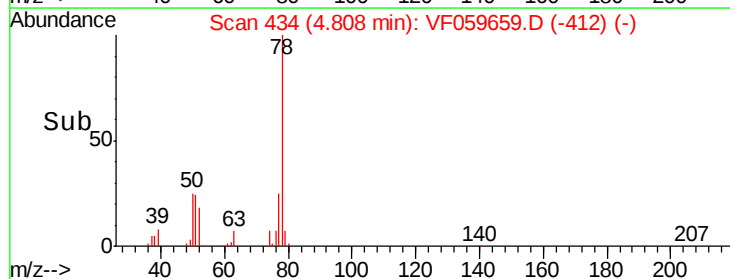
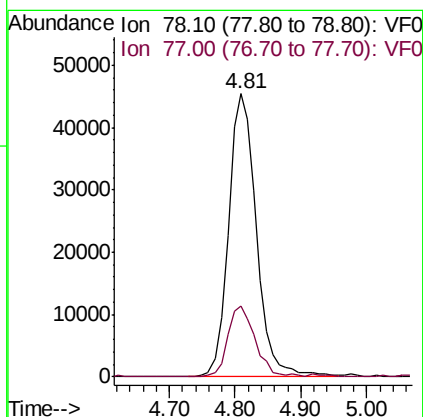
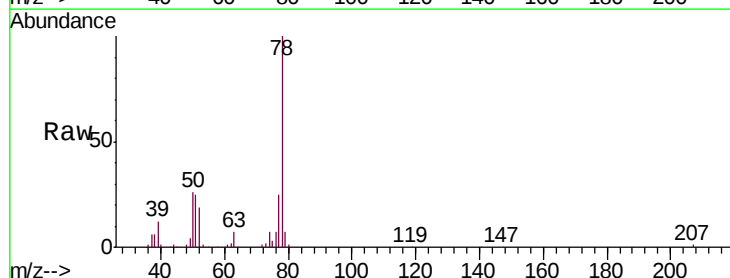
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

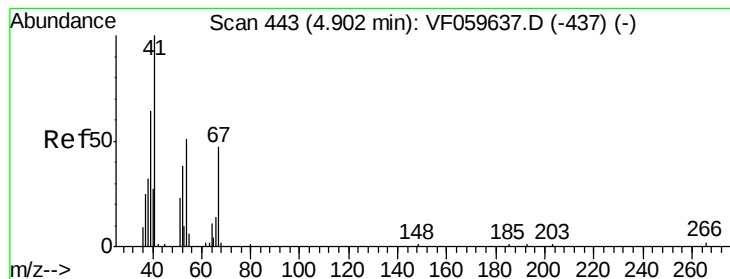
Tot Ion: 83 Resp: 69456
Ion Ratio Lower Upper
83 100
55 90.4 81.5 122.3
98 42.6 36.7 55.1



#40
Benzene
Concen: 22.21 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.01 min
Lab File: VF059659.D
Acq: 25 Jul 2018 15:53

Tgt Ion: 78 Resp: 134647
Ion Ratio Lower Upper
78 100
77 25.0 19.8 29.6





#41

Methacrylonitrile

Concen: 14.19 ug/l

RT: 4.92 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

Tot Ion: 41 Resp: 8698

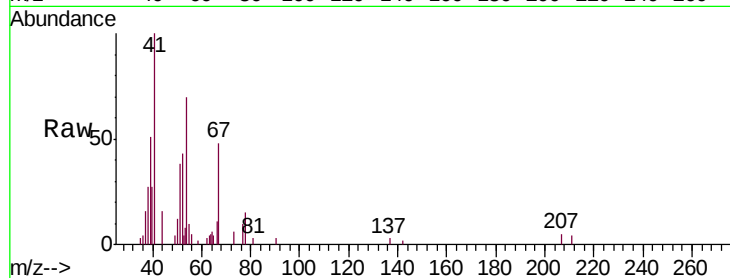
Ion Ratio Lower Upper

41 100

39 50.7 56.9 85.3#

67 48.4 36.6 54.8

52 42.7 42.6 63.8

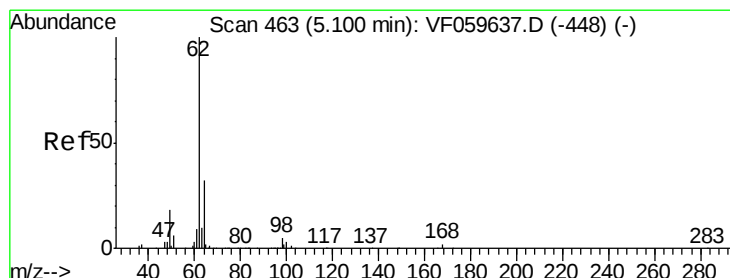
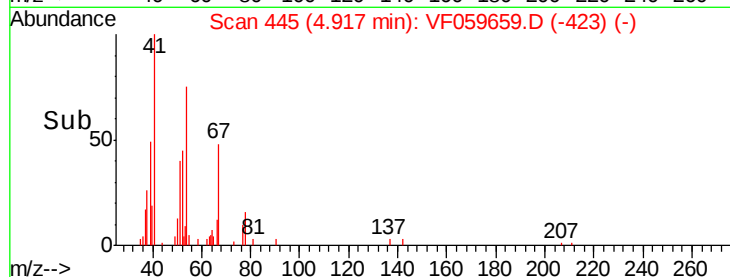
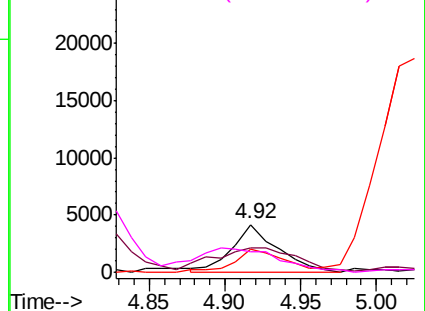


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 15.12 ug/l

RT: 5.11 min Scan# 465

Delta R.T. 0.01 min

Lab File: VF059659.D

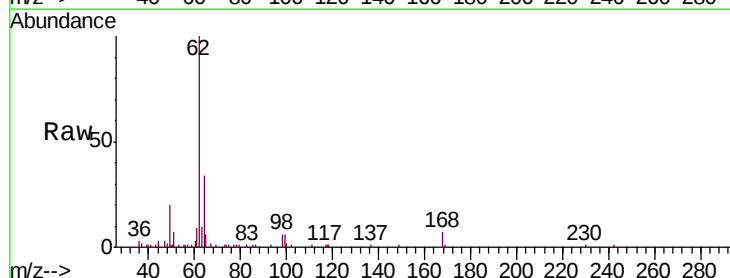
Acq: 25 Jul 2018 15:53

Tgt Ion: 62 Resp: 54320

Ion Ratio Lower Upper

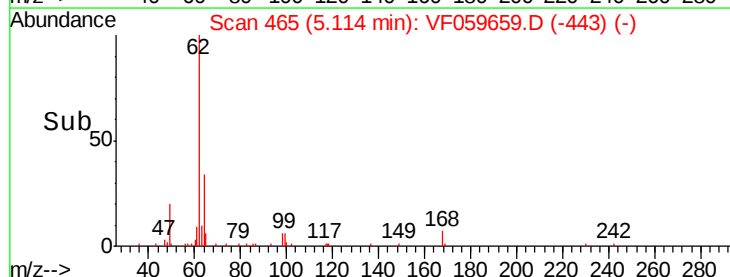
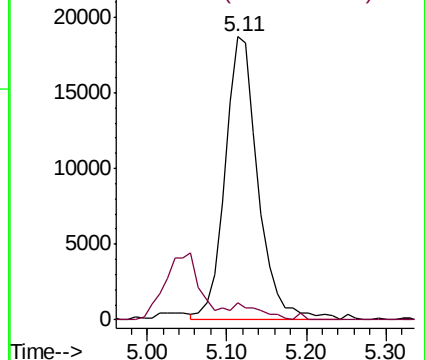
62 100

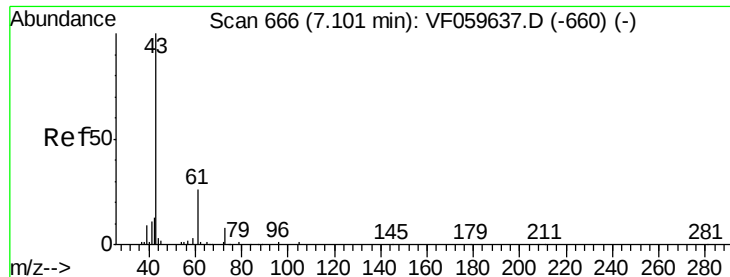
98 6.0 0.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



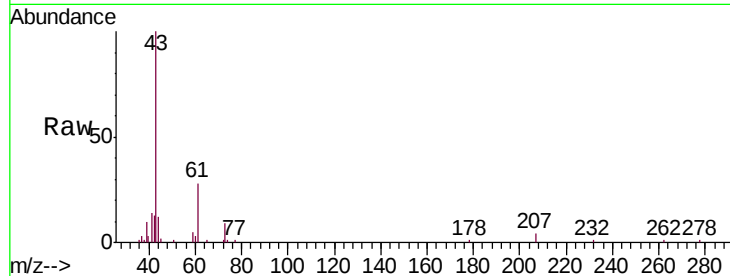


#43

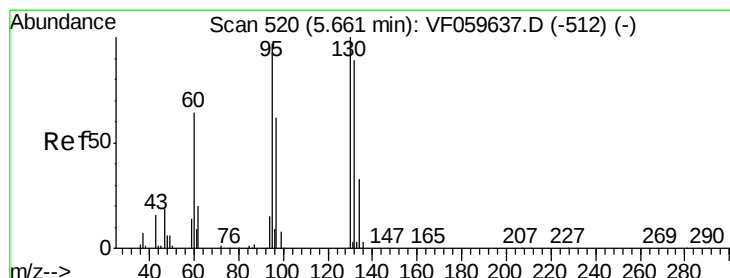
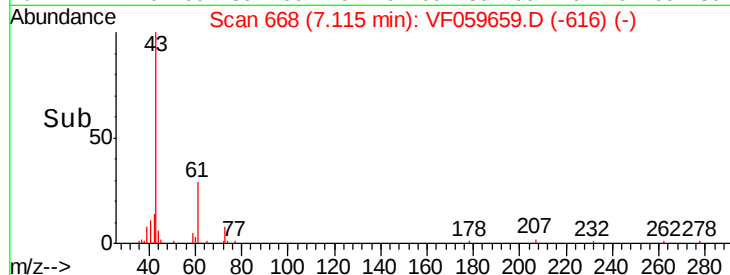
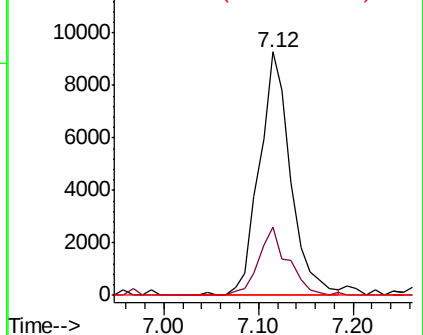
Isopropyl Acetate
 Concen: 14.87 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.01 min
 Lab File: VF059659.D
 Acq: 25 Jul 2018 15:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

Tot Ion: 43 Resp: 21434
 Ion Ratio Lower Upper
 43 100
 61 28.0 20.5 30.7
 87 0.0 0.4 0.6#



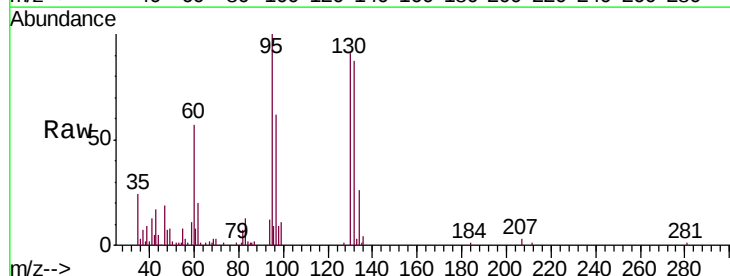
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



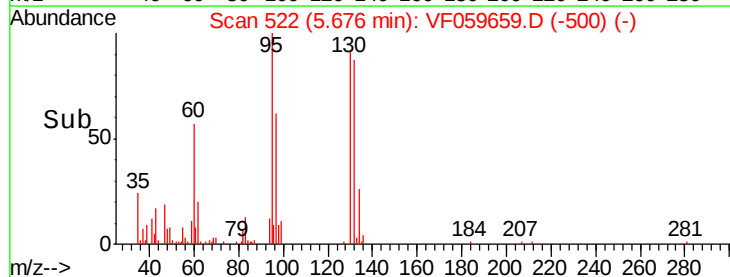
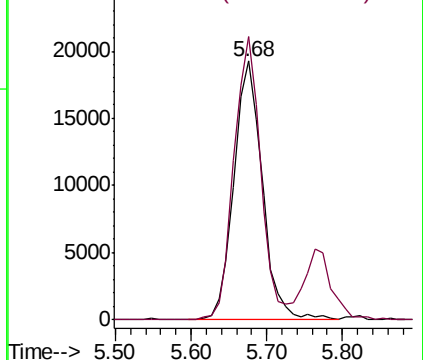
#44

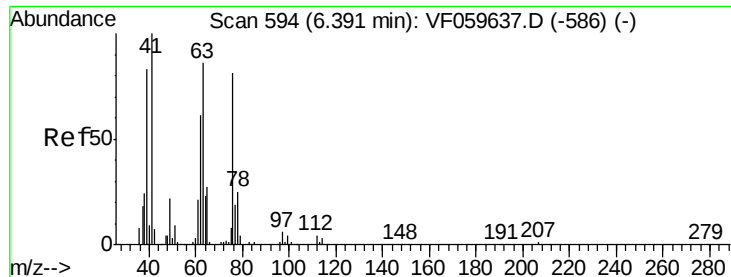
Trichloroethene
 Concen: 22.37 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. 0.01 min
 Lab File: VF059659.D
 Acq: 25 Jul 2018 15:53

Tgt Ion: 130 Resp: 50059
 Ion Ratio Lower Upper
 130 100
 95 109.5 0.0 193.4



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





#45

1,2-Dichloropropane

Concen: 19.97 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.01 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

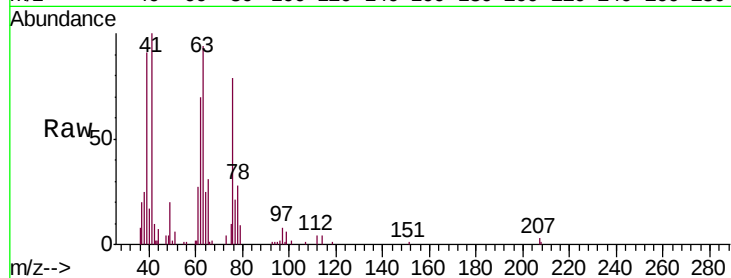
VF0725SBS01

Tot Ion: 63 Resp: 30651

Ion Ratio Lower Upper

63 100

65 34.5 25.1 37.7



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

12000

10000

8000

6000

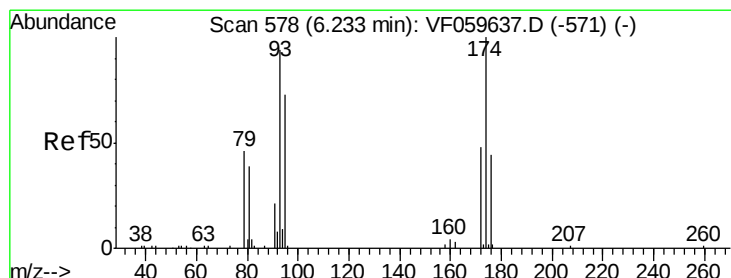
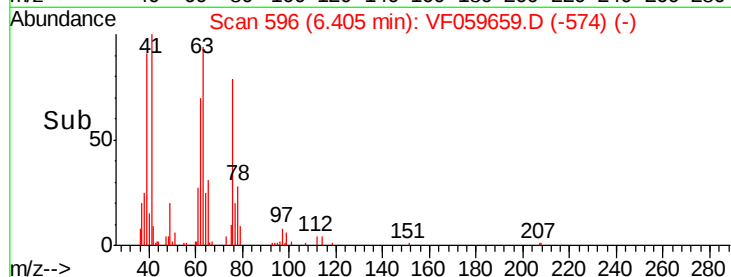
4000

2000

0

6.30 6.40 6.50

Time-->



#46

Dibromomethane

Concen: 16.69 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.02 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

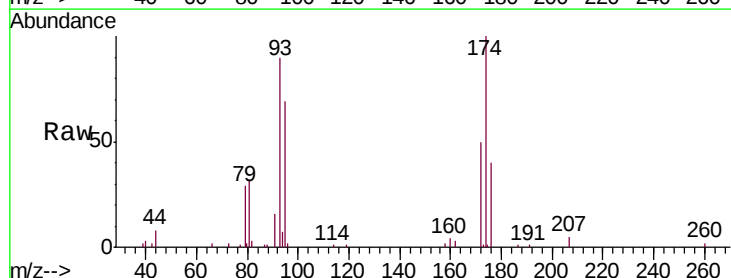
Tgt Ion: 93 Resp: 21633

Ion Ratio Lower Upper

93 100

95 78.6 63.1 94.7

174 112.2 85.3 127.9



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

12000

10000

8000

6000

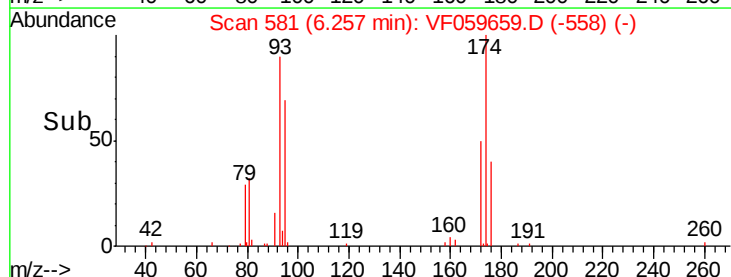
4000

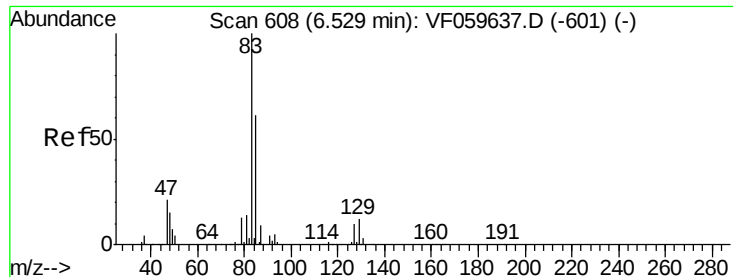
2000

0

6.20 6.30 6.40

Time-->





#47

Bromodichloromethane

Concen: 20.46 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.02 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

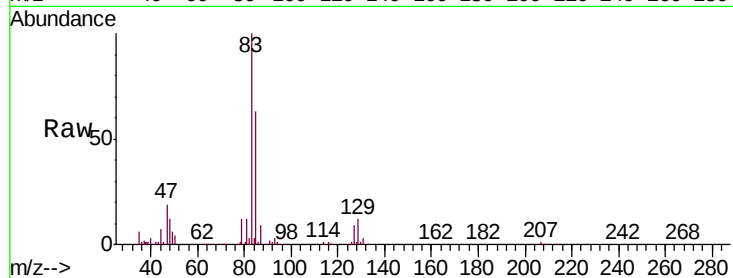
Tot Ion: 83 Resp: 77565

Ion Ratio Lower Upper

83 100

85 62.7 48.6 72.8

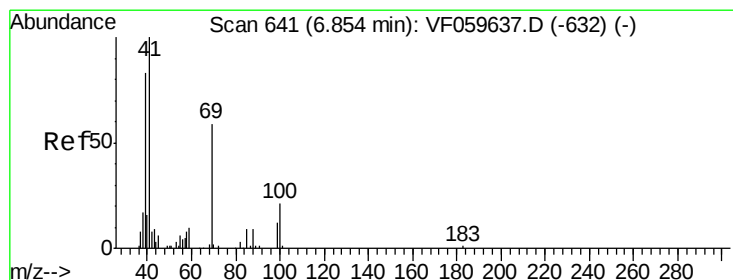
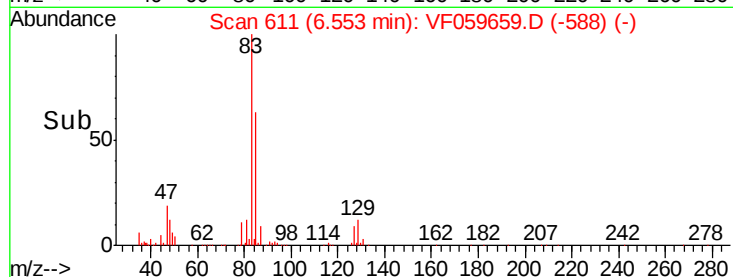
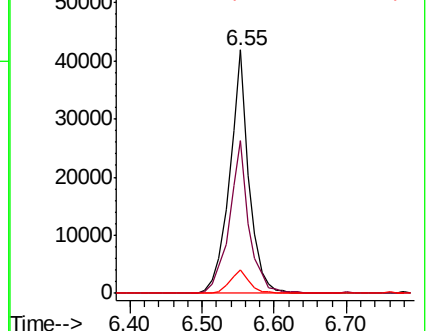
127 9.4 7.7 11.5



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: 14.46 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.02 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

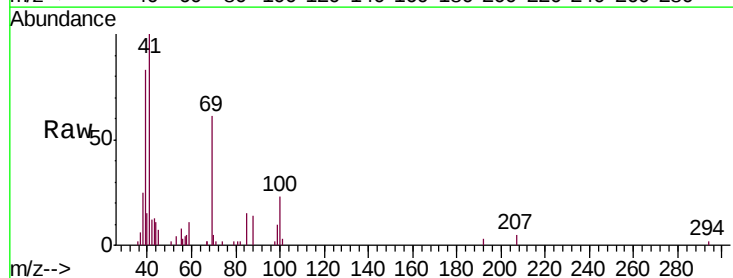
Tgt Ion: 41 Resp: 15344

Ion Ratio Lower Upper

41 100

69 60.9 47.5 71.3

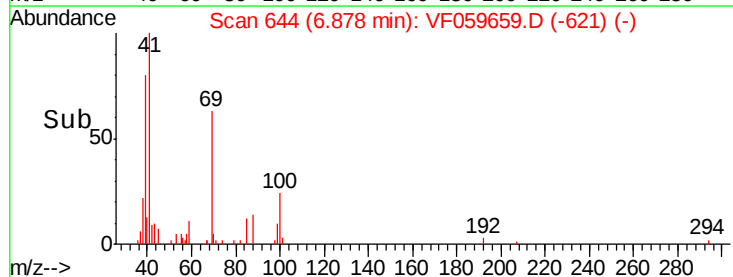
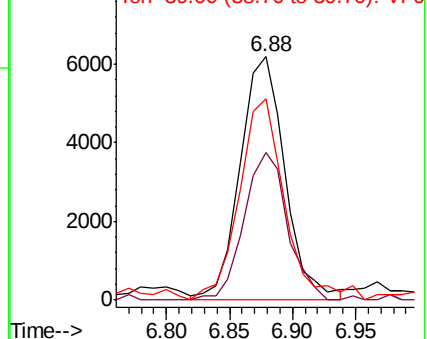
39 82.7 67.0 100.6

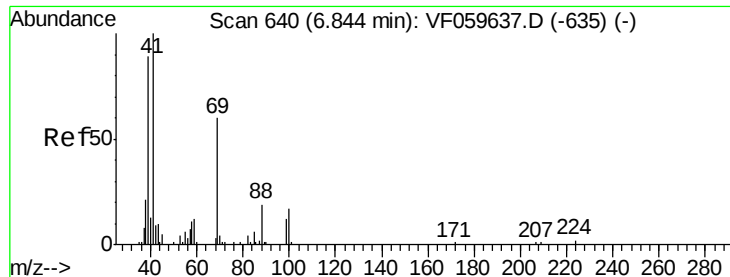


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 363.14 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.02 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

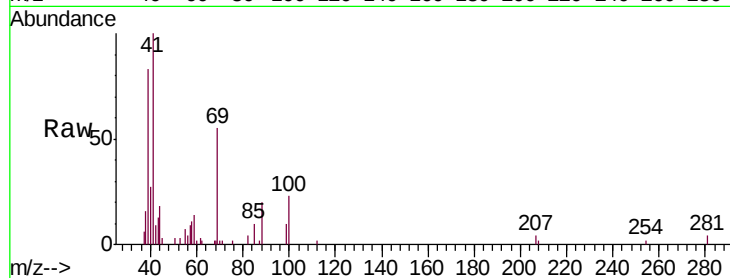
Tot Ion: 88 Resp: 2965

Ion Ratio Lower Upper

88 100

43 63.4 45.3 67.9

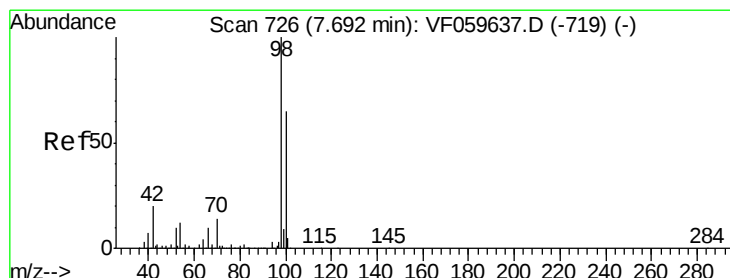
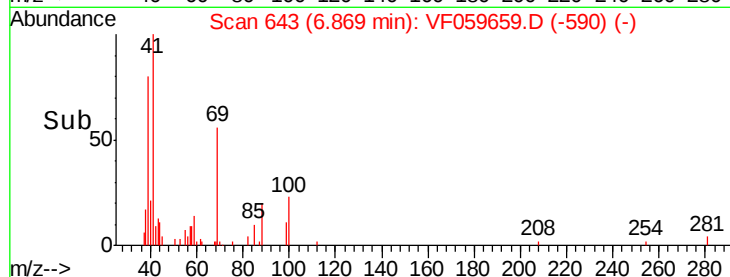
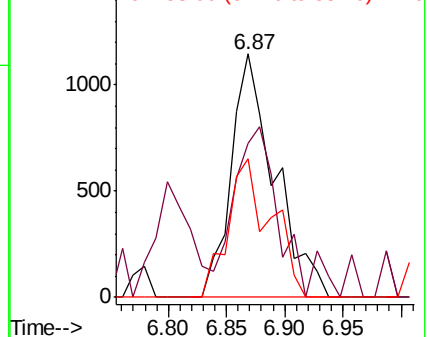
58 56.9 47.7 71.5



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 49.34 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.01 min

Lab File: VF059659.D

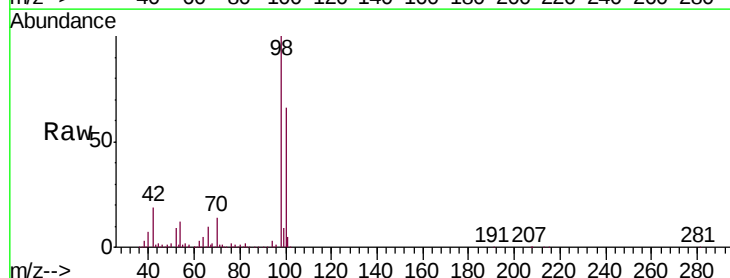
Acq: 25 Jul 2018 15:53

Tgt Ion: 98 Resp: 346202

Ion Ratio Lower Upper

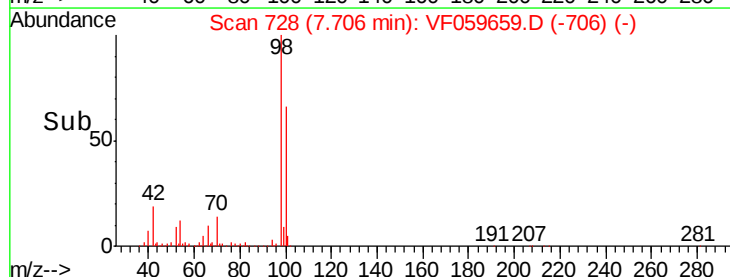
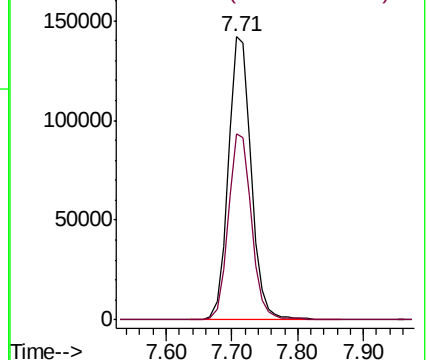
98 100

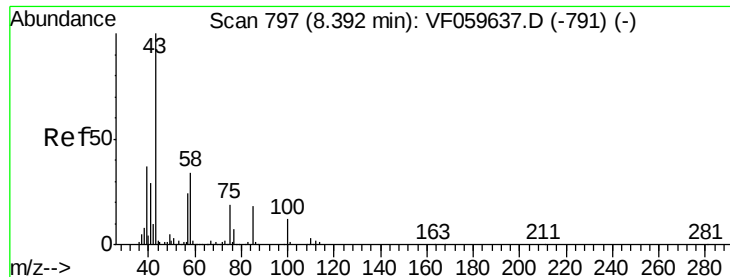
100 65.8 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 76.37 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

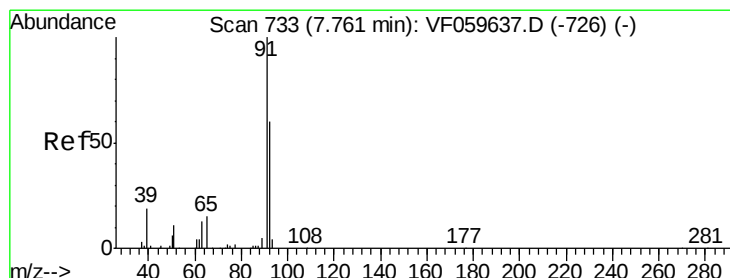
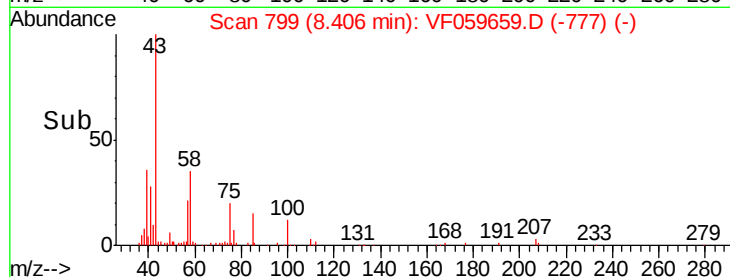
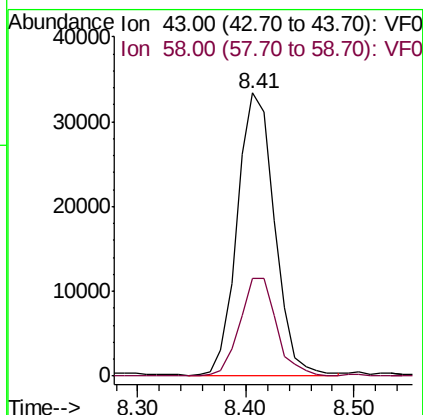
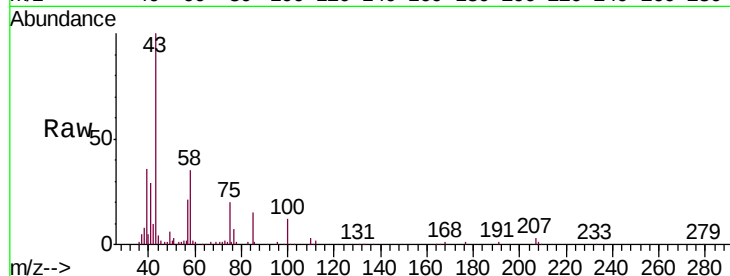
VF0725SBS01

Tot Ion: 43 Resp: 80902

Ion Ratio Lower Upper

43 100

58 34.6 27.3 40.9



#52

Toluene

Concen: 20.30 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.02 min

Lab File: VF059659.D

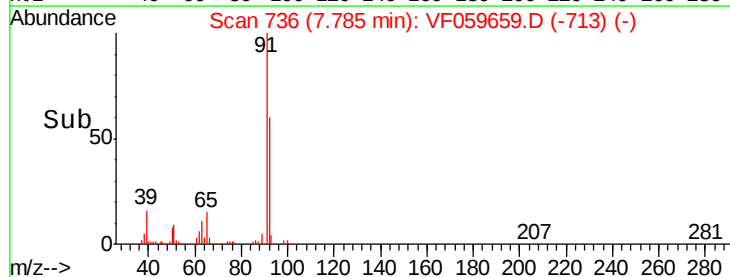
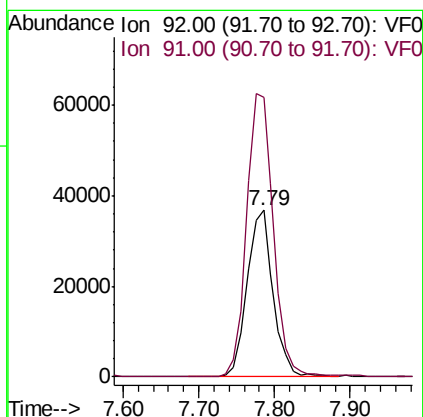
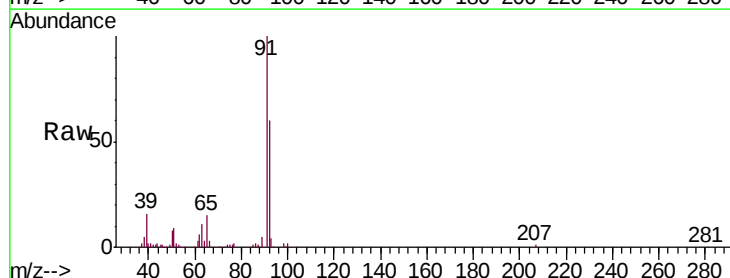
Acq: 25 Jul 2018 15:53

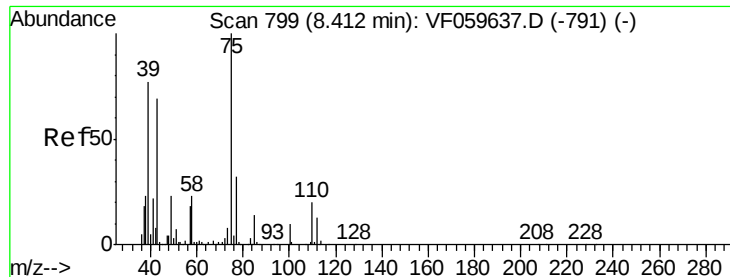
Tgt Ion: 92 Resp: 87955

Ion Ratio Lower Upper

92 100

91 167.5 134.2 201.4





#53

t-1,3-Dichloropropene

Concen: 16.74 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

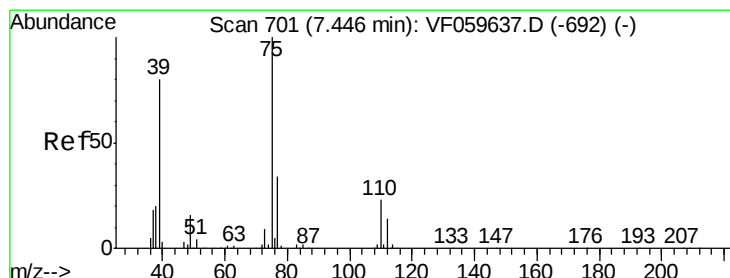
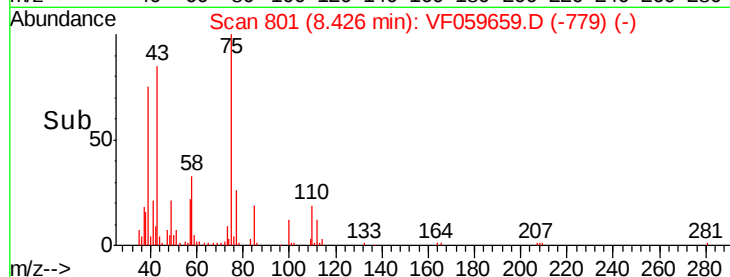
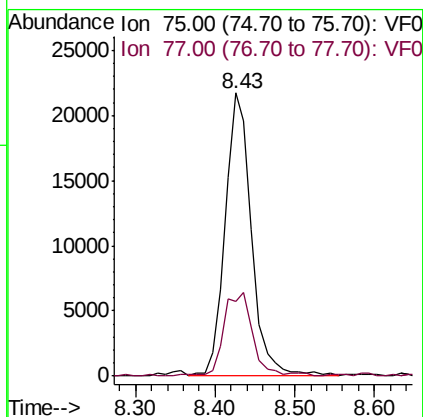
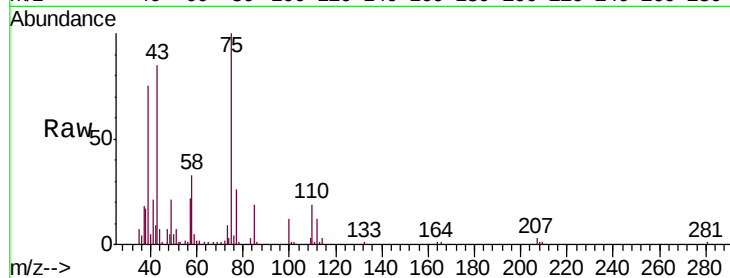
VF0725SBS01

Tot Ion: 75 Resp: 50560

Ion Ratio Lower Upper

75 100

77 26.4 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 17.64 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

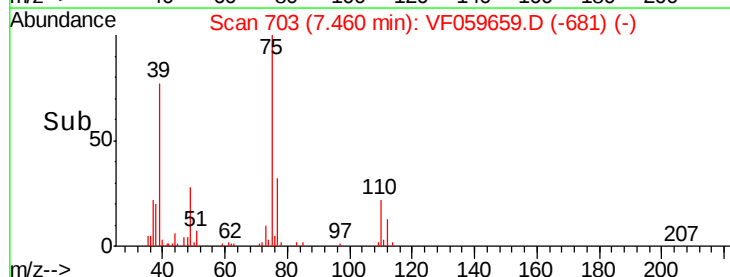
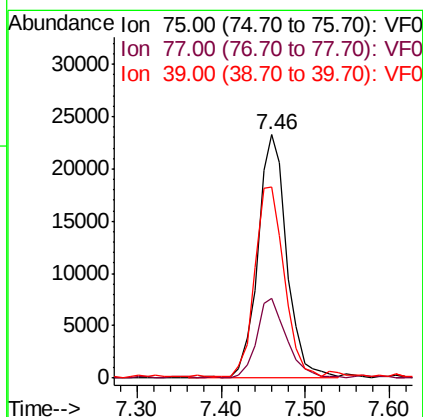
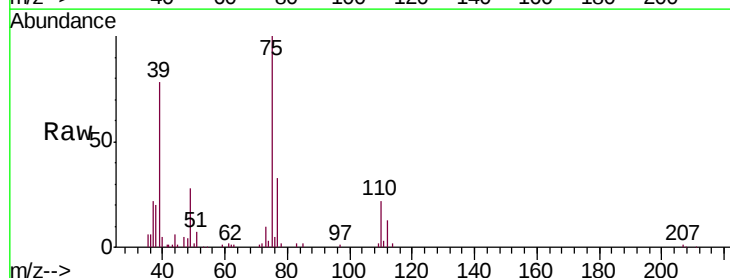
Tgt Ion: 75 Resp: 56340

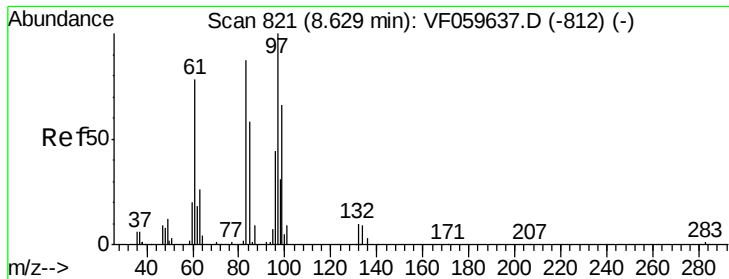
Ion Ratio Lower Upper

75 100

77 32.5 27.5 41.3

39 78.5 64.4 96.6





#55

1,1,2-Trichloroethane

Concen: 15.47 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

Tot Ion: 97 Resp: 20915

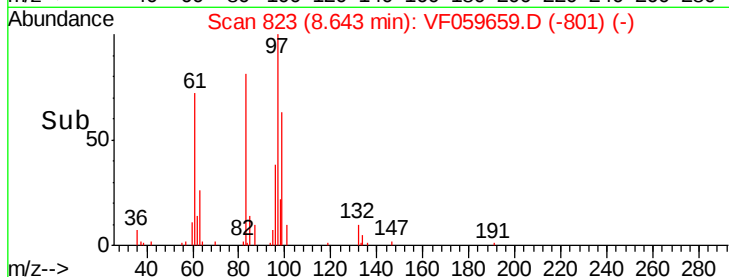
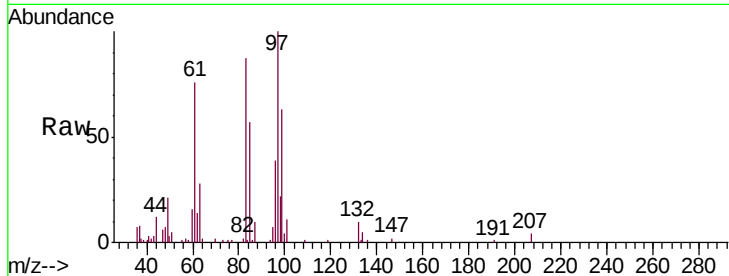
Ion Ratio Lower Upper

97 100

83 87.2 69.5 104.3

85 57.3 46.0 69.0

99 63.1 53.2 79.8

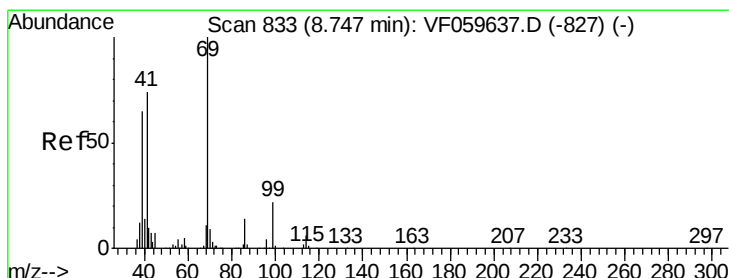
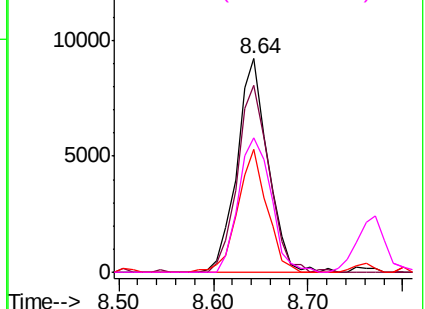


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 15.92 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.01 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

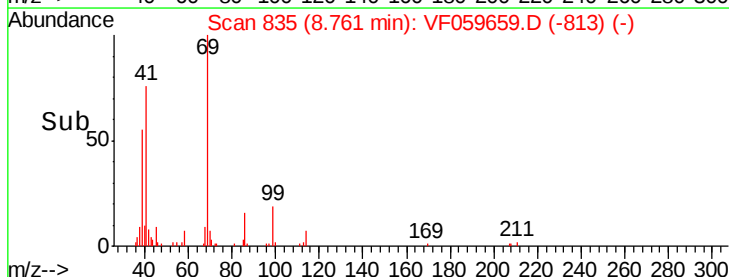
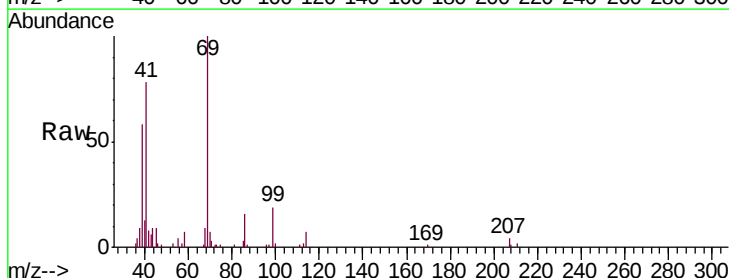
Tgt Ion: 69 Resp: 22999

Ion Ratio Lower Upper

69 100

41 77.6 59.1 88.7

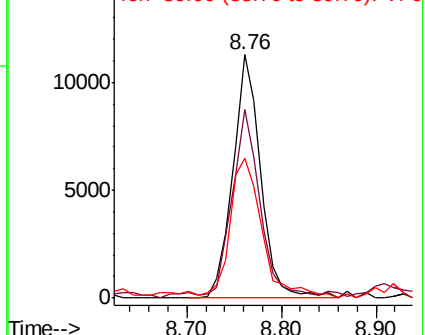
39 57.7 52.4 78.6

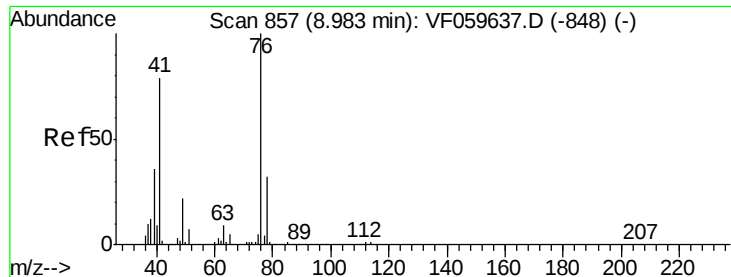


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 16.72 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.02 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

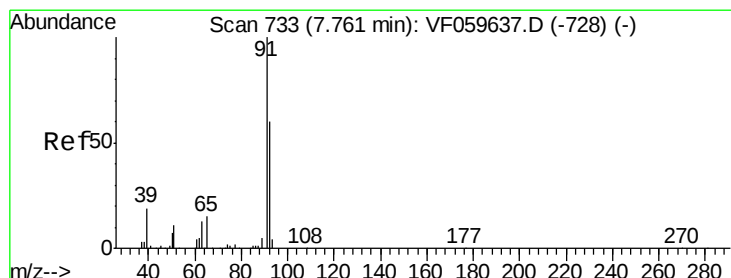
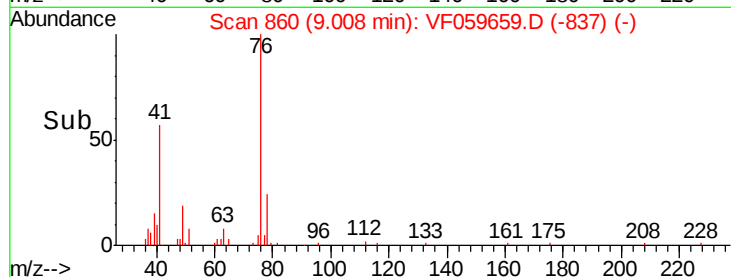
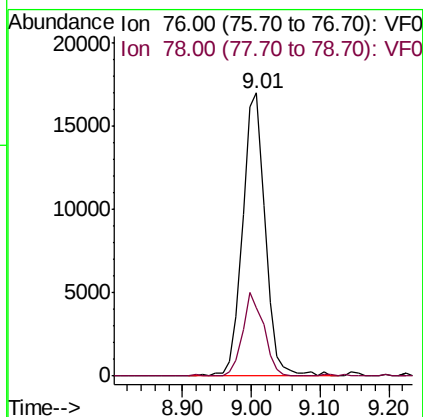
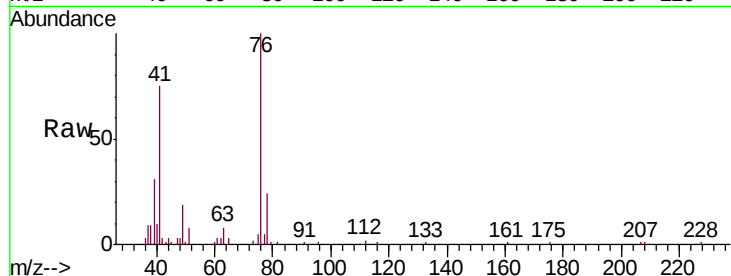
VF0725SBS01

Tot Ion: 76 Resp: 38684

Ion Ratio Lower Upper

76 100

78 24.0 25.5 38.3#



#58

2-Chloroethyl Vinyl ether

Concen: 98.49 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF059659.D

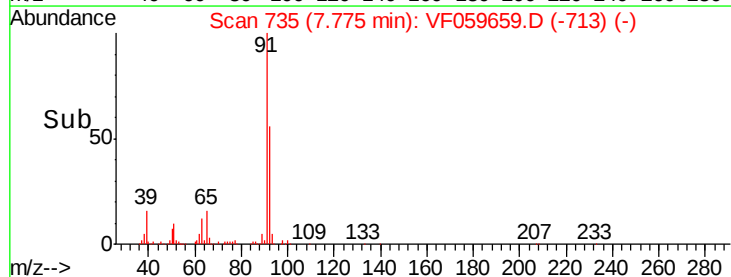
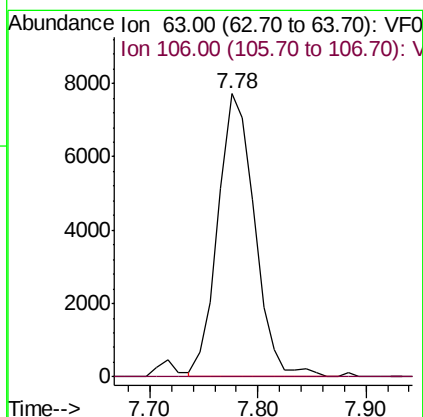
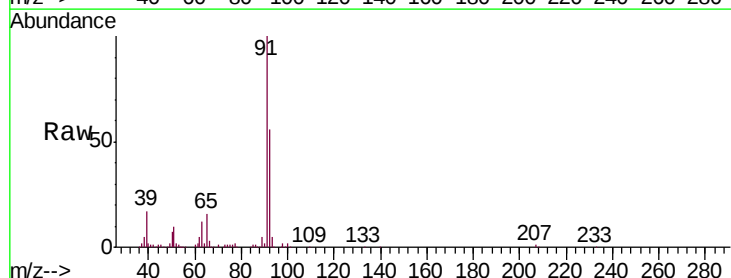
Acq: 25 Jul 2018 15:53

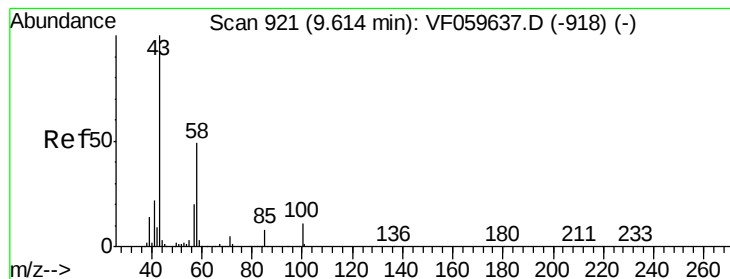
Tgt Ion: 63 Resp: 18267

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 81.14 ug/l

RT: 9.63 min Scan# 923

Delta R.T. 0.01 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

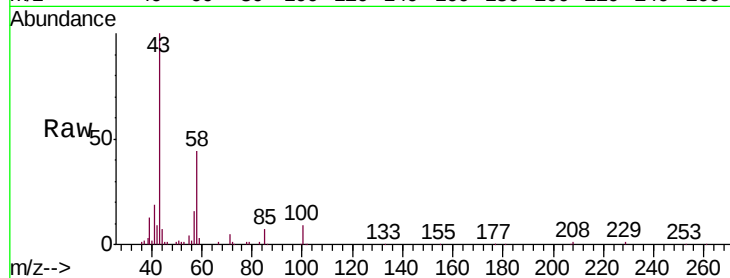
VF0725SBSD01

Tot Ion: 43 Resp: 65637

Ion Ratio Lower Upper

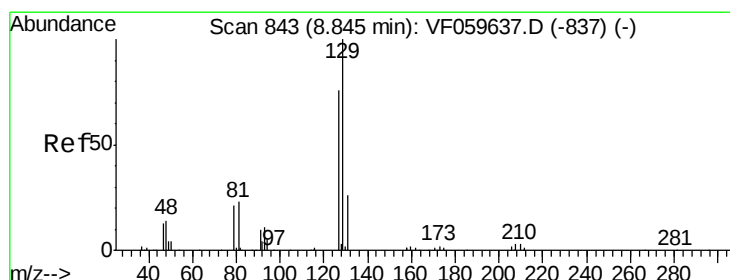
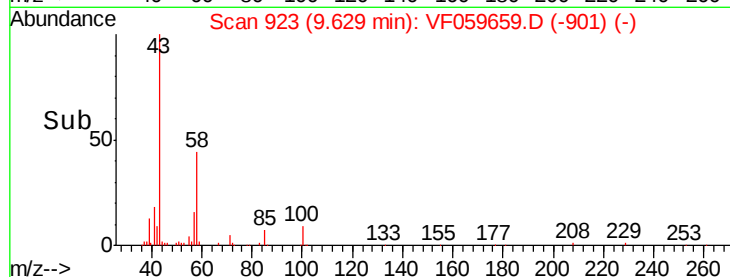
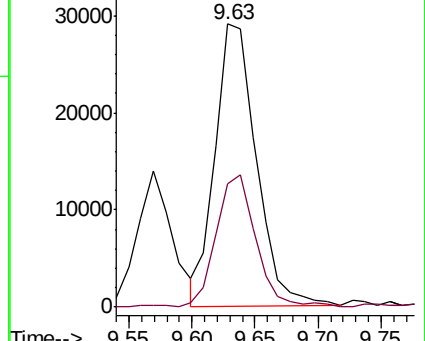
43 100

58 43.7 23.6 71.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#60

Dibromochloromethane

Concen: 14.99 ug/l

RT: 8.87 min Scan# 846

Delta R.T. 0.02 min

Lab File: VF059659.D

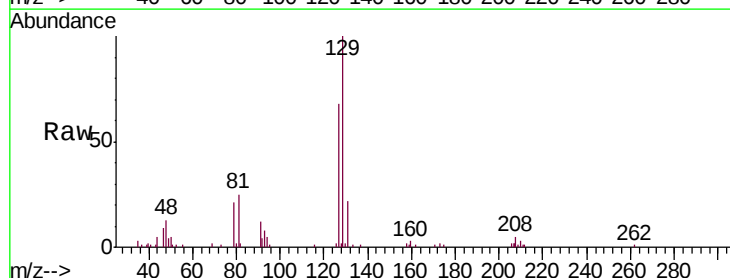
Acq: 25 Jul 2018 15:53

Tgt Ion: 129 Resp: 37452

Ion Ratio Lower Upper

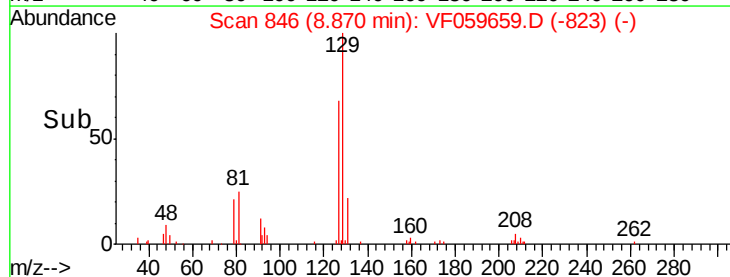
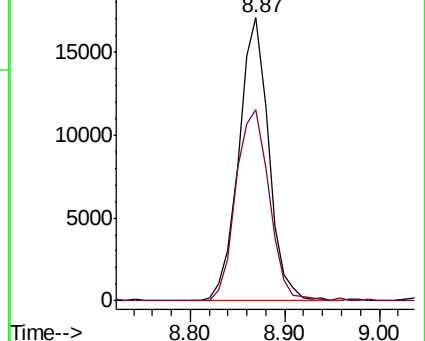
129 100

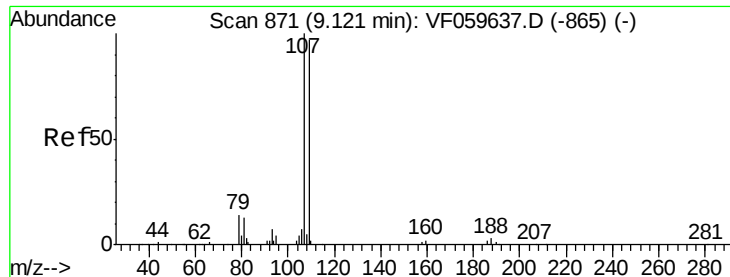
127 67.6 38.1 114.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

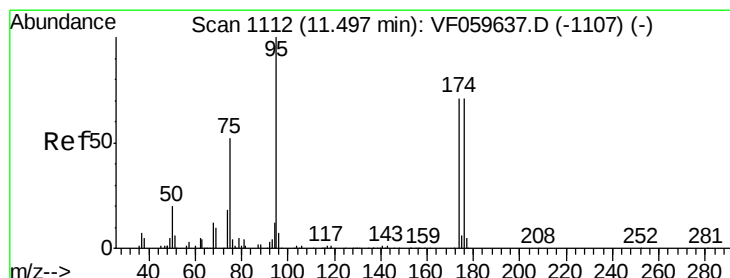
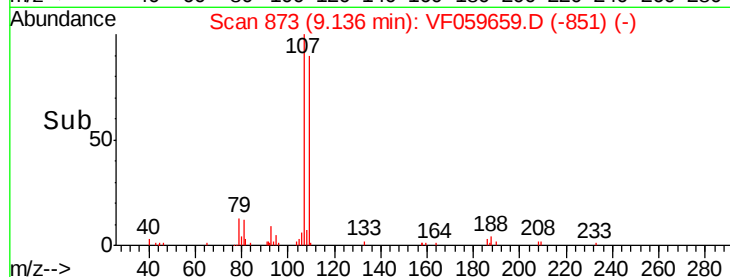
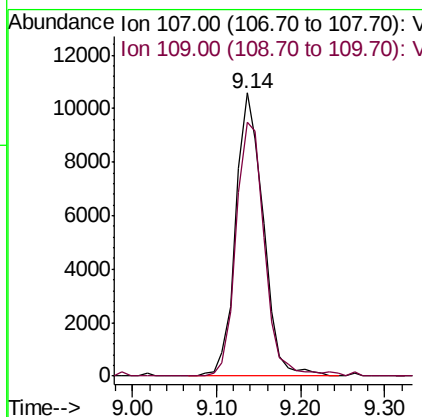
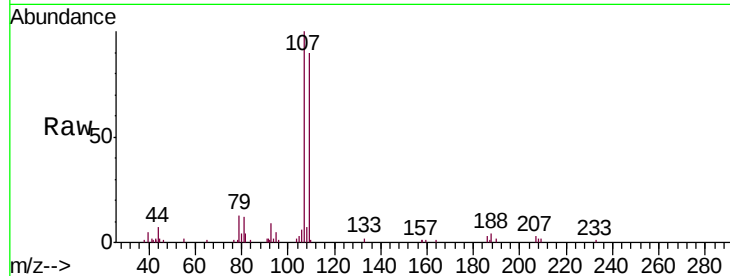




#61
 1,2-Dibromoethane
 Concen: 14.66 ug/l
 RT: 9.14 min Scan# 873
 Delta R.T. 0.01 min
 Lab File: VF059659.D
 Acq: 25 Jul 2018 15:53

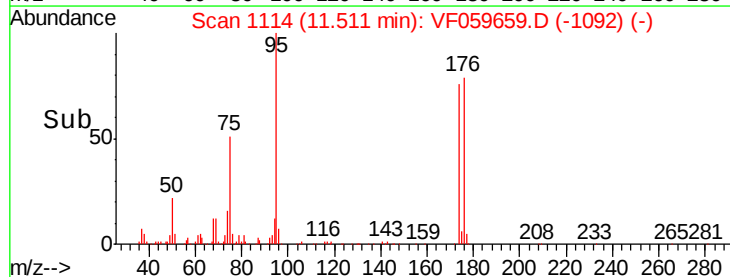
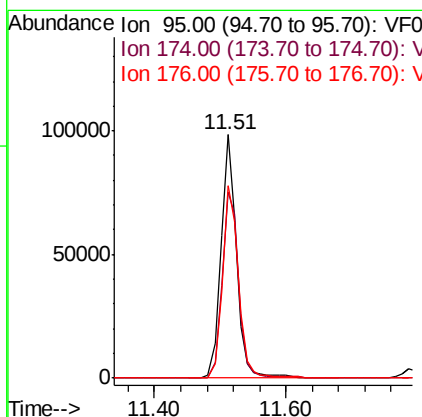
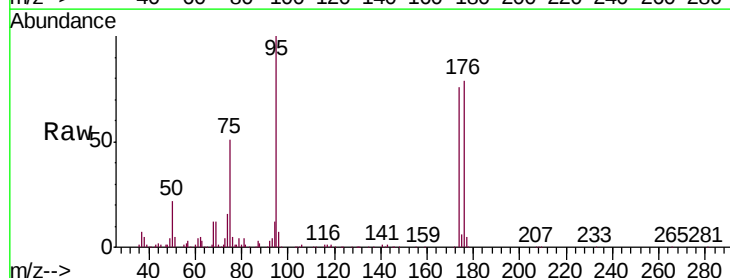
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

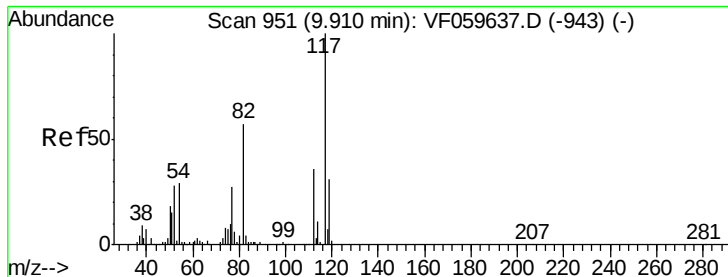
Tot Ion:107 Resp: 24189
 Ion Ratio Lower Upper
 107 100
 109 89.5 77.3 115.9



#62
 4-Bromofluorobenzene
 Concen: 44.73 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VF059659.D
 Acq: 25 Jul 2018 15:53

Tgt Ion: 95 Resp: 161254
 Ion Ratio Lower Upper
 95 100
 174 76.5 0.0 141.8
 176 78.9 0.0 142.0

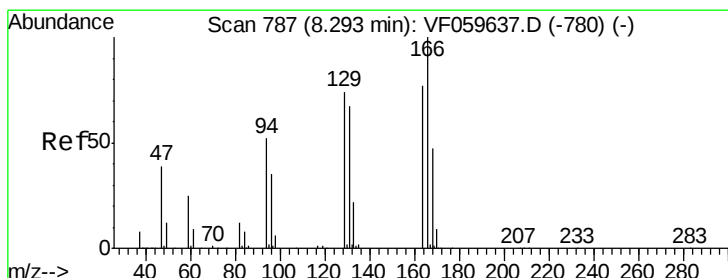
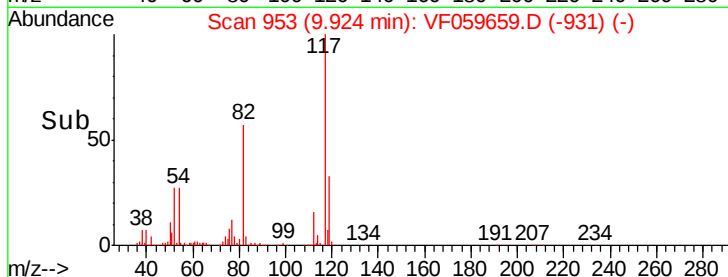
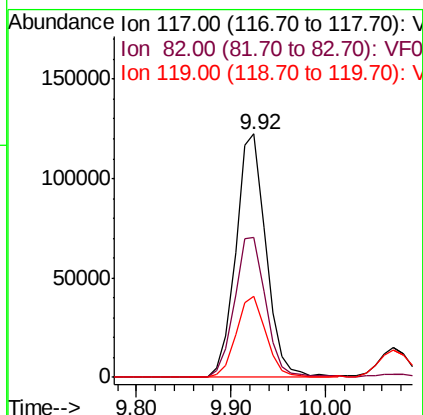
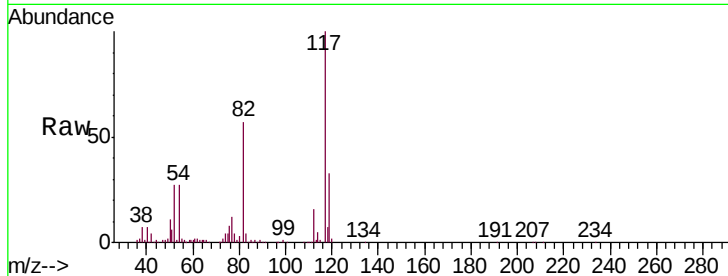




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF059659.D
Acq: 25 Jul 2018 15:53

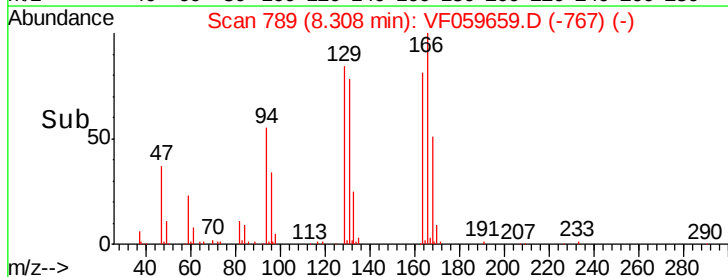
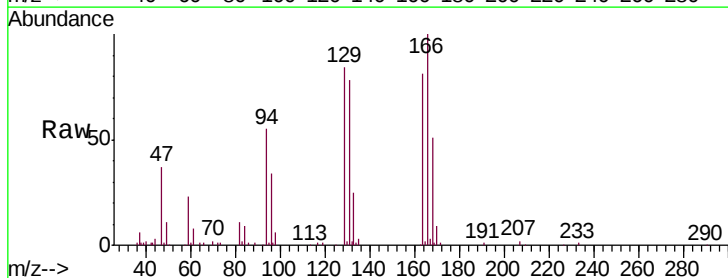
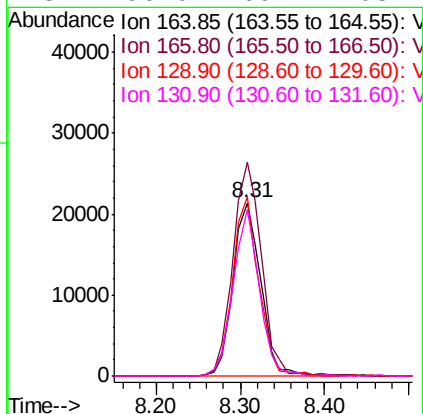
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

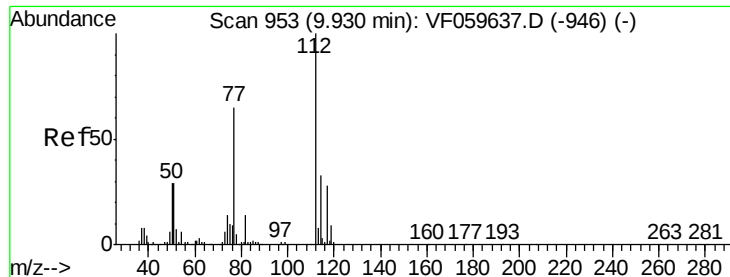
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.9	68.9
119	33.1	25.1	37.7



#64
Tetrachloroethene
Concen: 22.94 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF059659.D
Acq: 25 Jul 2018 15:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.3	103.3	154.9
129	103.6	76.2	114.2
131	96.0	69.1	103.7

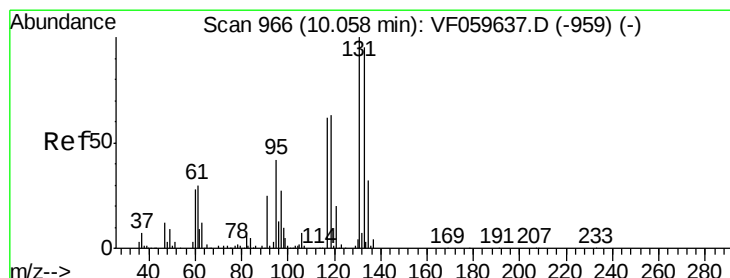
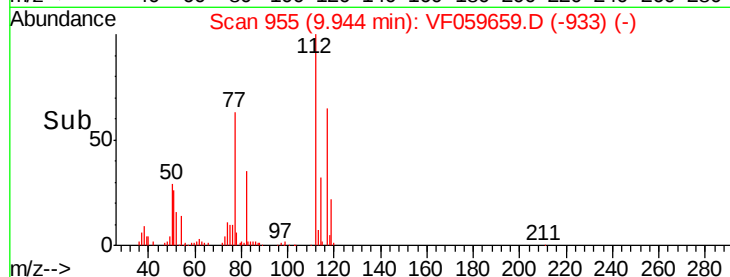
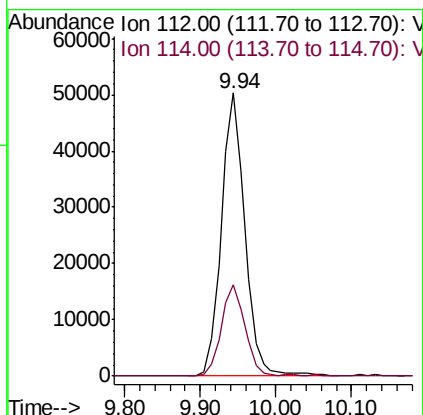
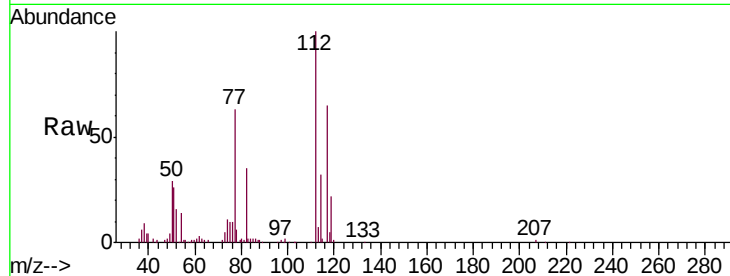




#65
Chlorobenzene
Concen: 21.68 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF059659.D
Acq: 25 Jul 2018 15:53

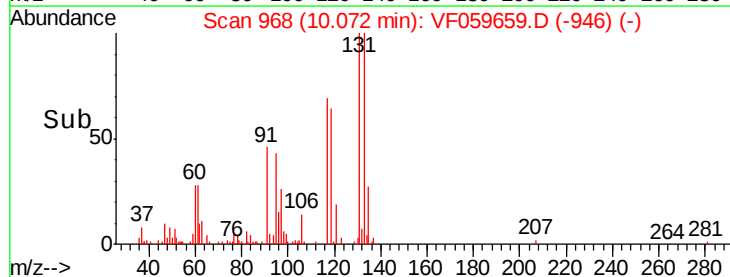
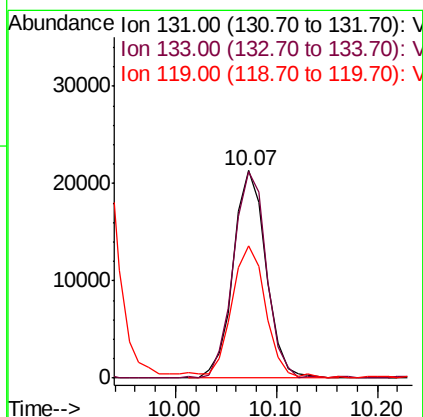
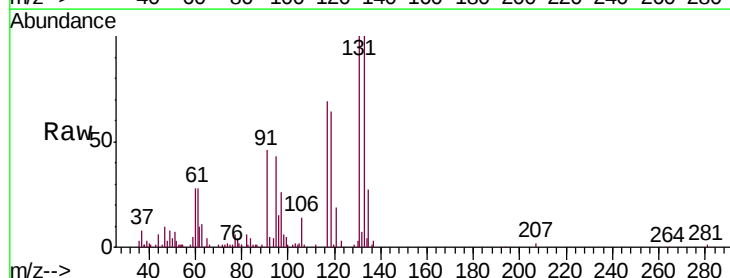
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

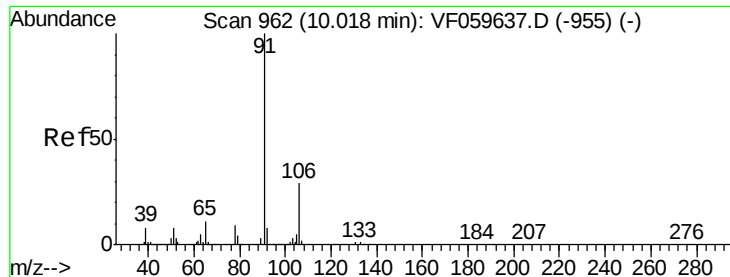
Tot Ion:112 Resp: 108589
Ion Ratio Lower Upper
112 100
114 32.2 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.81 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF059659.D
Acq: 25 Jul 2018 15:53

Tgt Ion:131 Resp: 48312
Ion Ratio Lower Upper
131 100
133 99.6 47.5 142.6
119 64.1 31.8 95.4





#67

Ethyl Benzene

Concen: 23.88 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.02 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

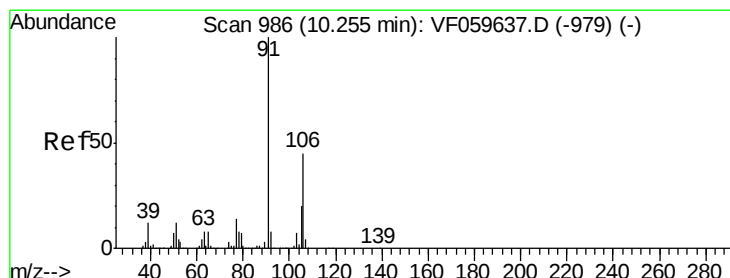
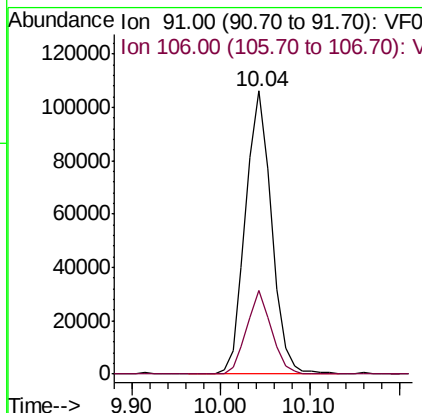
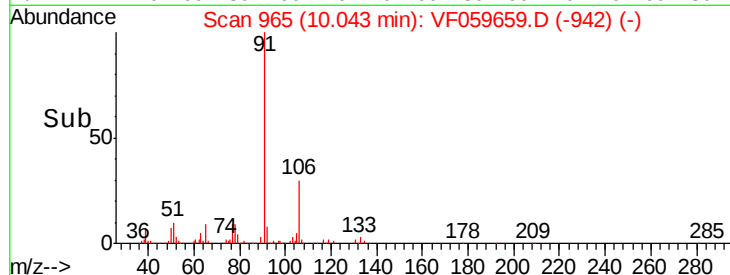
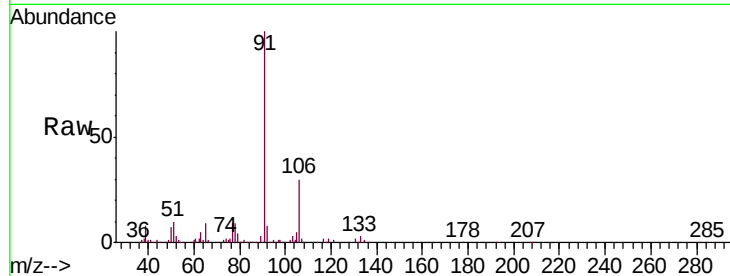
VF0725SBS01

Tot Ion: 91 Resp: 214900

Ion Ratio Lower Upper

91 100

106 29.6 23.4 35.0



#68

m/p-Xylenes

Concen: 47.43 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF059659.D

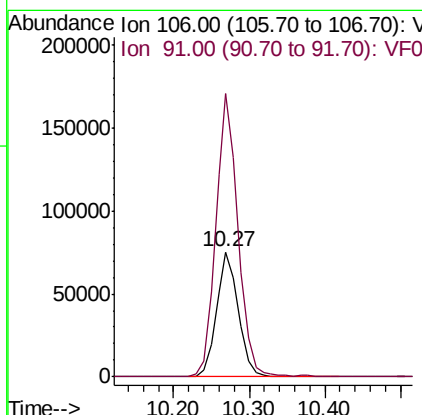
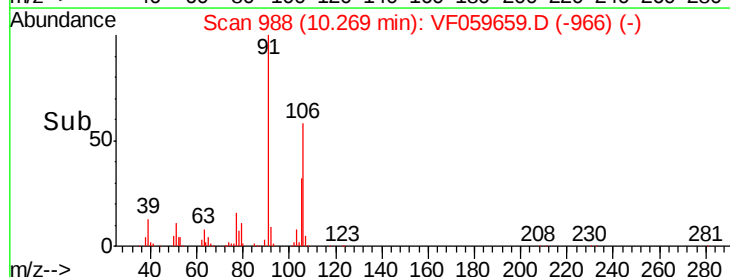
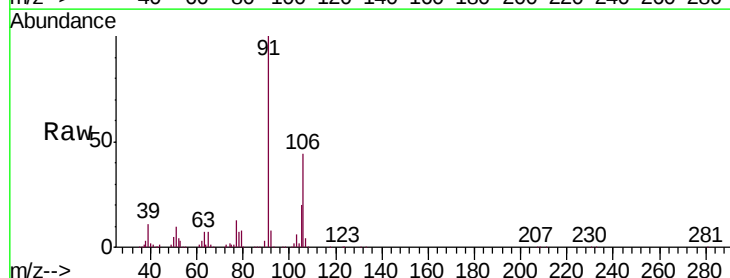
Acq: 25 Jul 2018 15:53

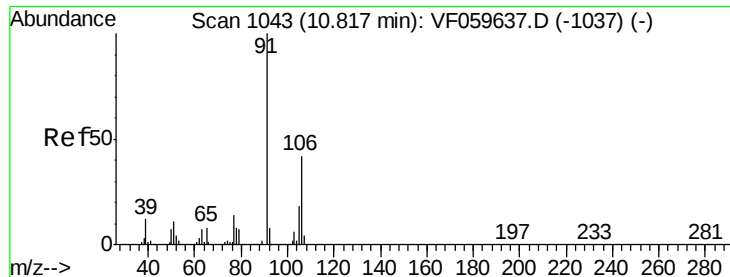
Tgt Ion: 106 Resp: 152503

Ion Ratio Lower Upper

106 100

91 226.2 177.8 266.8

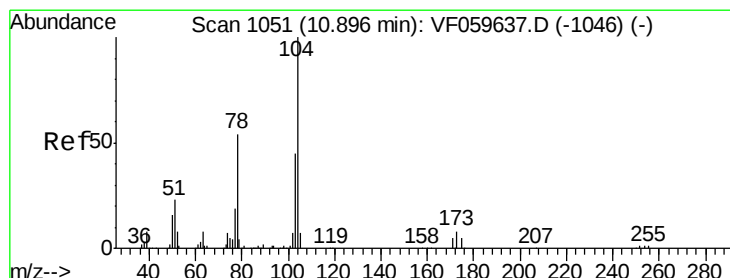
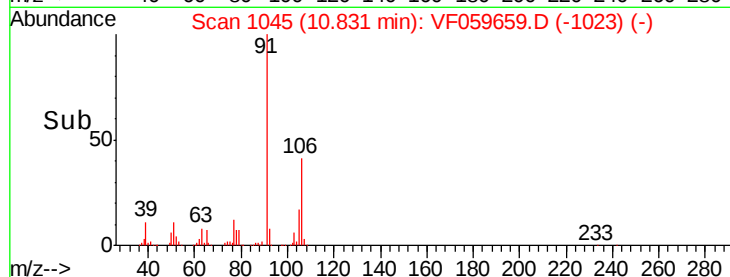
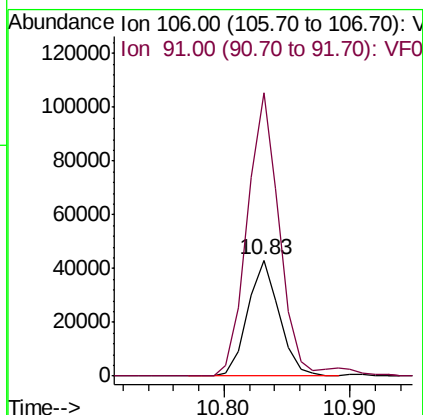
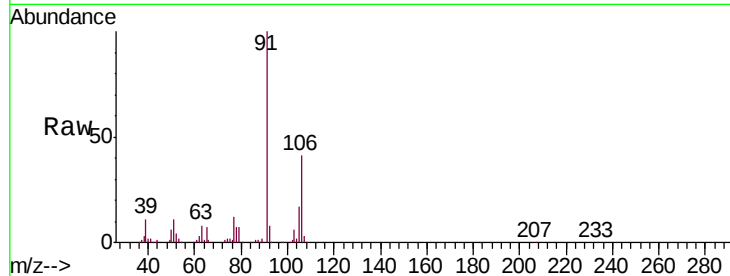




#69
o-Xylene
Concen: 21.95 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF059659.D
Acq: 25 Jul 2018 15:53

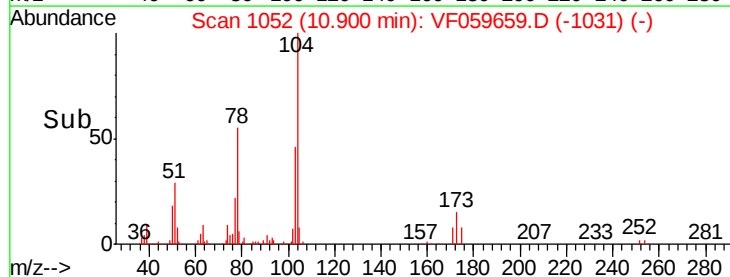
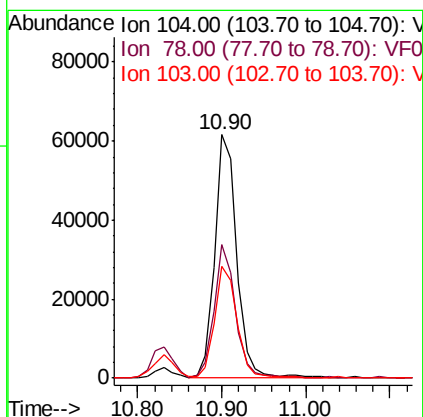
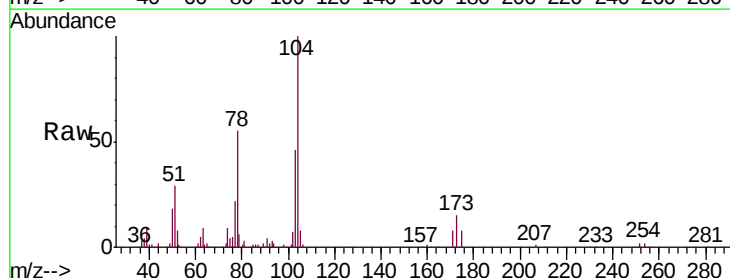
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

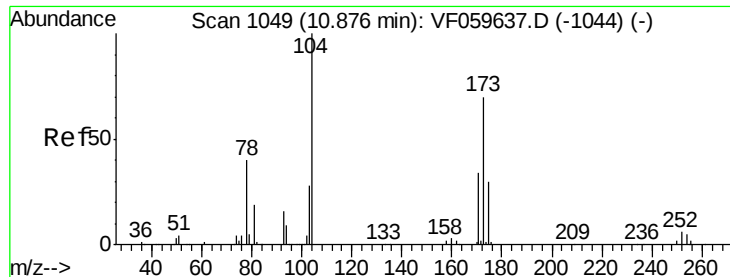
Tot Ion:106 Resp: 75127
Ion Ratio Lower Upper
106 100
91 243.3 119.3 357.9



#70
Styrene
Concen: 22.71 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059659.D
Acq: 25 Jul 2018 15:53

Tgt Ion:104 Resp: 112243
Ion Ratio Lower Upper
104 100
78 55.0 43.4 65.2
103 46.0 36.7 55.1





#71

Bromoform

Concen: 17.67 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBSD01

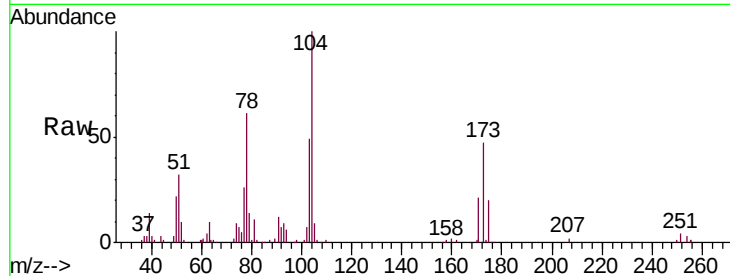
Tot Ion:173 Resp: 23087

Ion Ratio Lower Upper

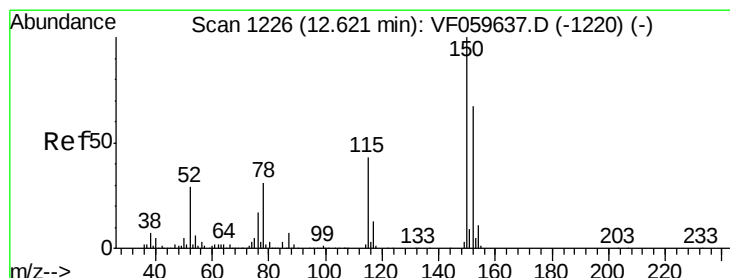
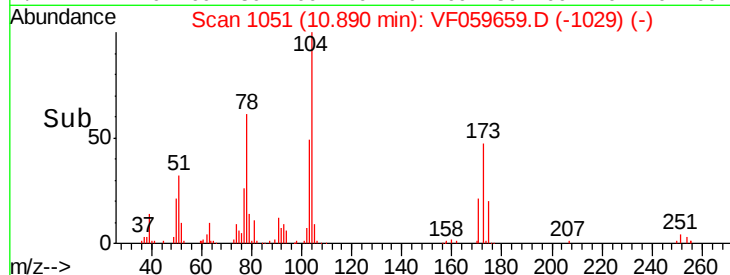
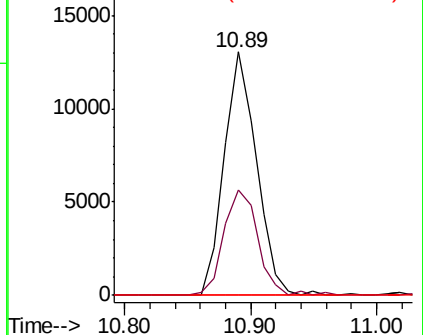
173 100

175 44.4 21.6 65.0

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: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

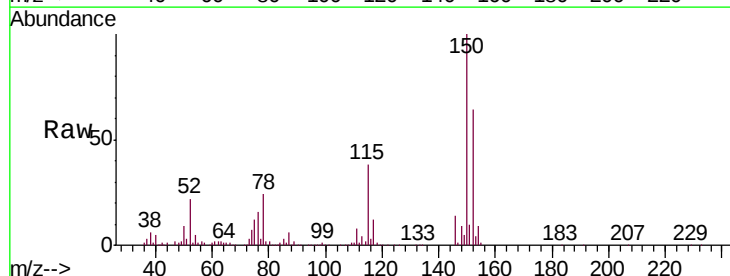
Tgt Ion:152 Resp: 158479

Ion Ratio Lower Upper

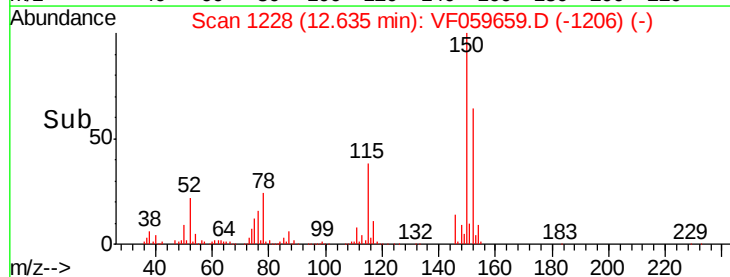
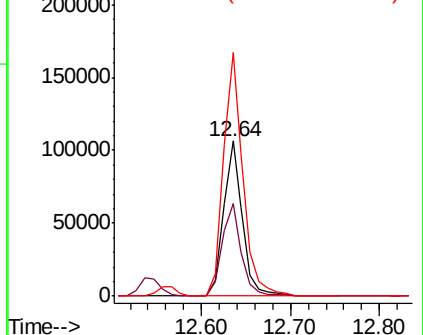
152 100

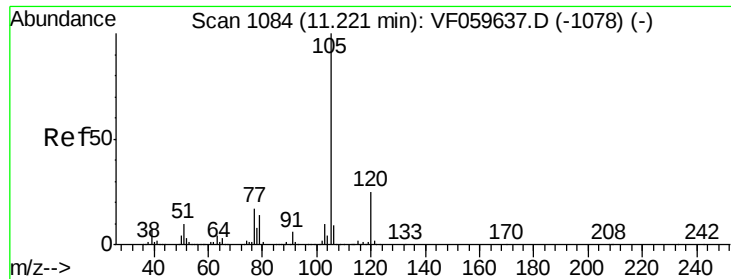
115 60.0 32.0 96.2

150 157.0 0.0 313.2



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: 27.19 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

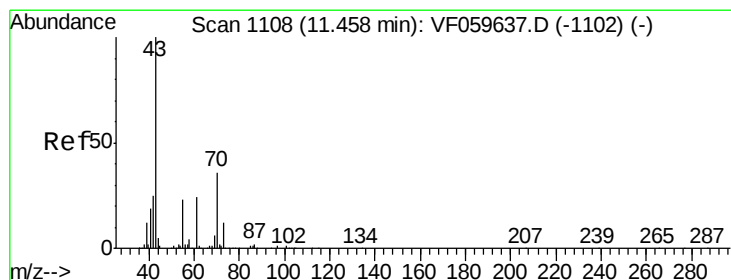
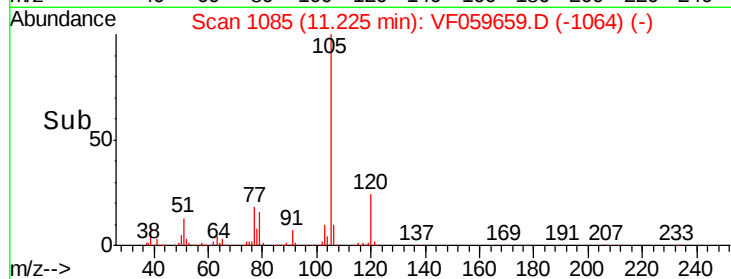
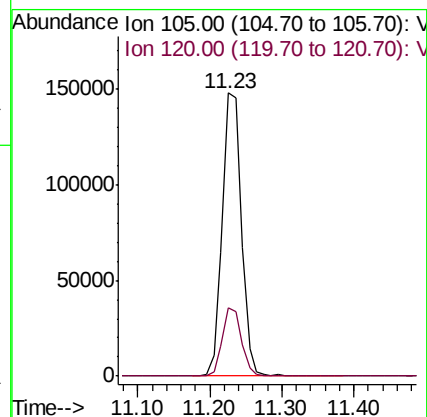
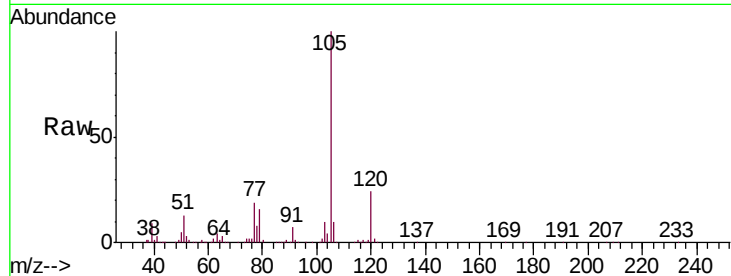
VF0725SBS01

Tot Ion:105 Resp: 270789

Ion Ratio Lower Upper

105 100

120 24.3 12.6 37.8



#74

N-ethyl acetate

Concen: 19.82 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Tgt Ion: 43 Resp: 42339

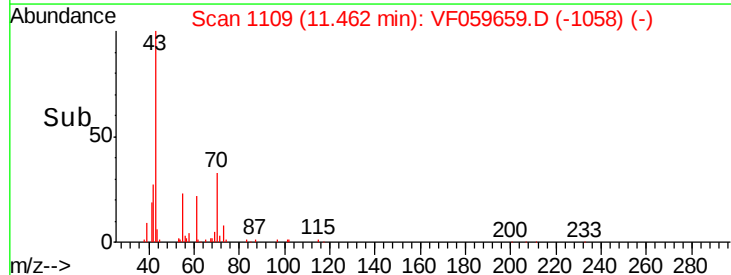
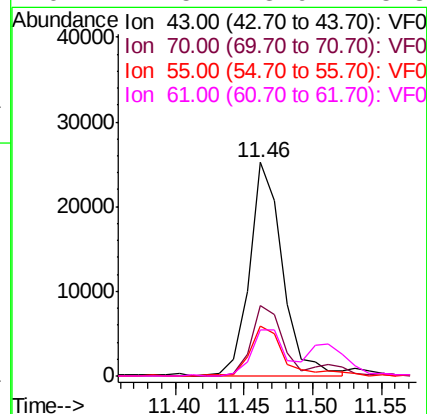
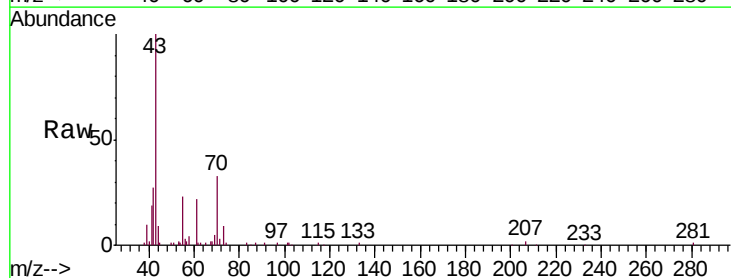
Ion Ratio Lower Upper

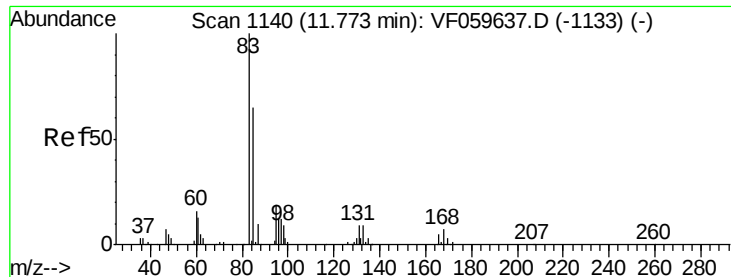
43 100

70 32.9 29.4 44.0

55 23.3 18.2 27.4

61 21.5 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 18.76 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

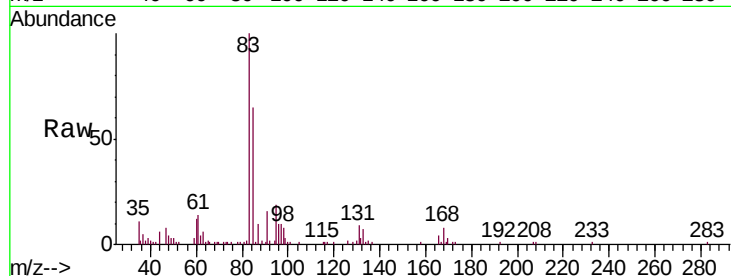
Tot Ion: 83 Resp: 28293

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.5
85	64.9	32.6	97.7

83 100

131 9.0 4.5 13.5

85 64.9 32.6 97.7



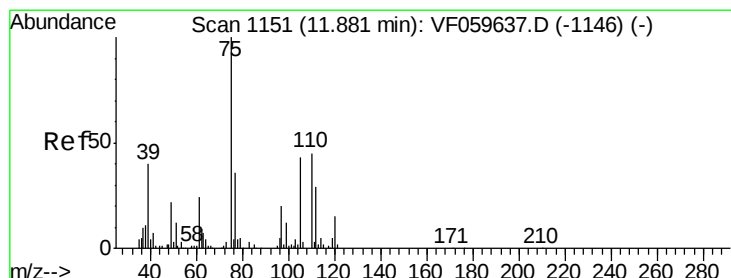
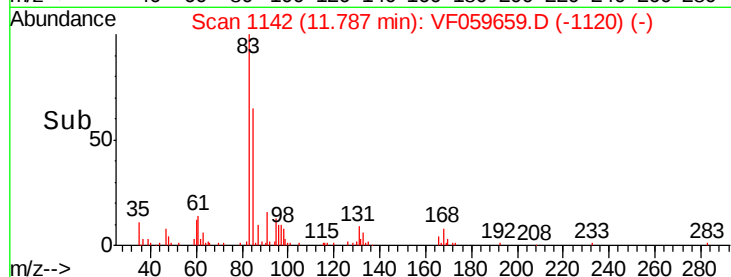
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

11.79

Time--> 11.70 11.75 11.80 11.85



#76

1,2,3-Trichloropropane

Concen: 17.89 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059659.D

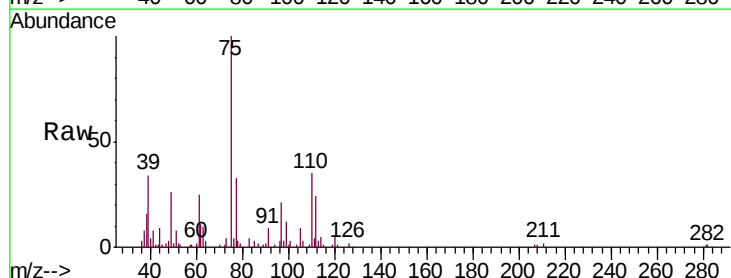
Acq: 25 Jul 2018 15:53

Tgt Ion: 75 Resp: 22289

Ion	Ratio	Lower	Upper
75	100		
77	32.6	18.4	55.0

75 100

77 32.6 18.4 55.0

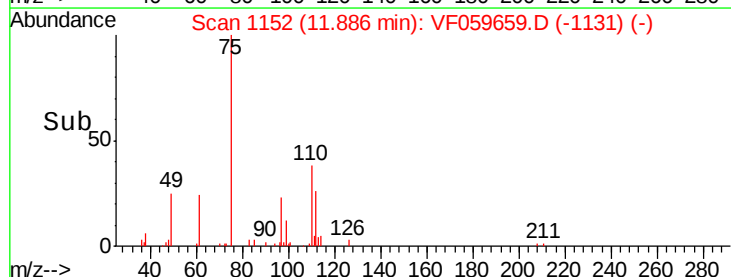


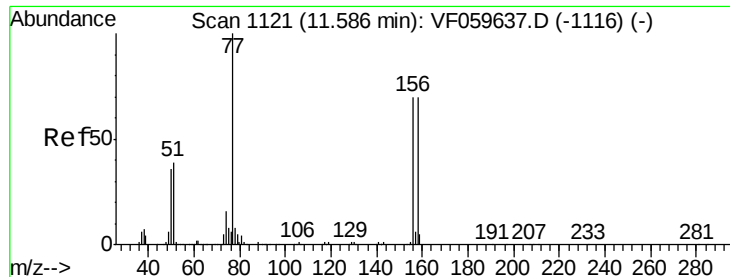
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

11.89

Time--> 11.85 11.90 11.95





#77

Bromobenzene

Concen: 22.71 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

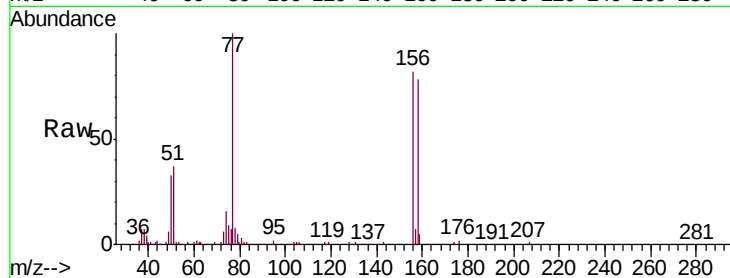
Tot Ion:156 Resp: 55338

Ion Ratio Lower Upper

156 100

77 122.0 71.5 214.3

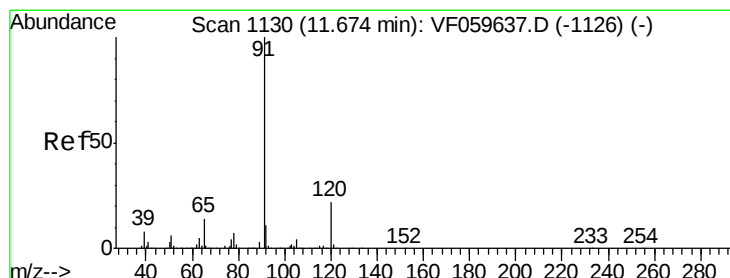
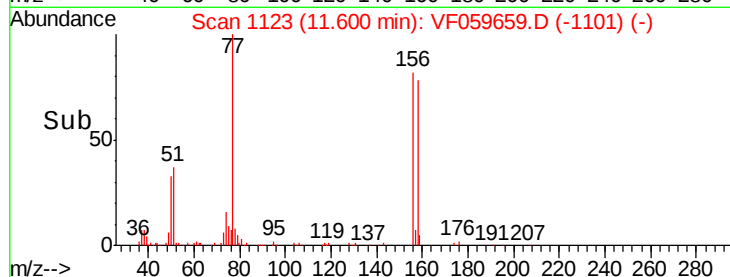
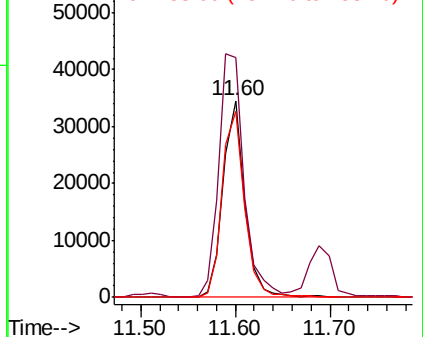
158 94.7 50.0 149.8



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: 26.66 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF059659.D

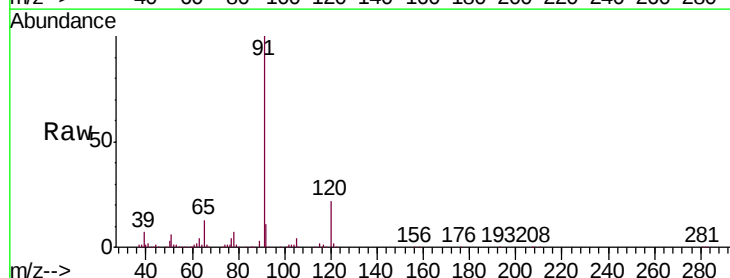
Acq: 25 Jul 2018 15:53

Tgt Ion: 91 Resp: 316138

Ion Ratio Lower Upper

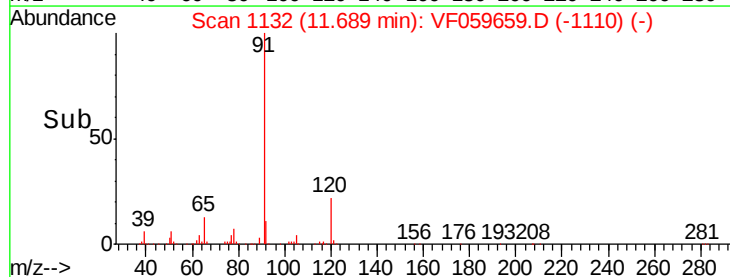
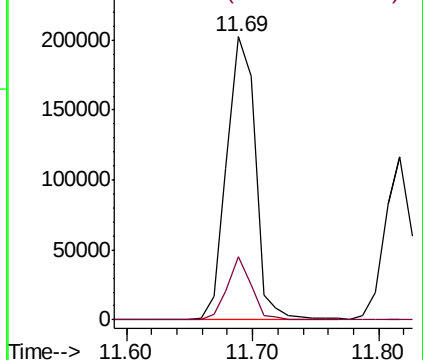
91 100

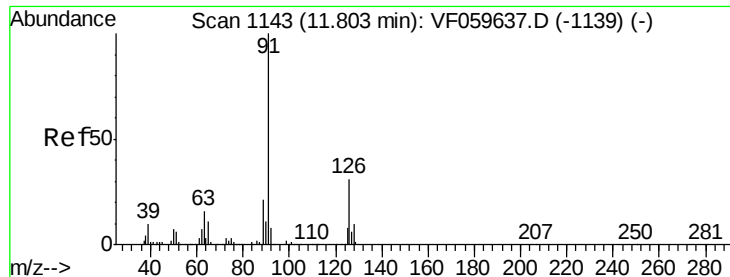
120 22.1 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 24.72 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

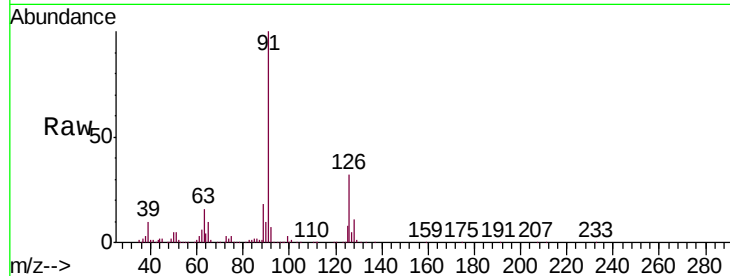
VF0725SBS01

Tot Ion: 91 Resp: 176381

Ion Ratio Lower Upper

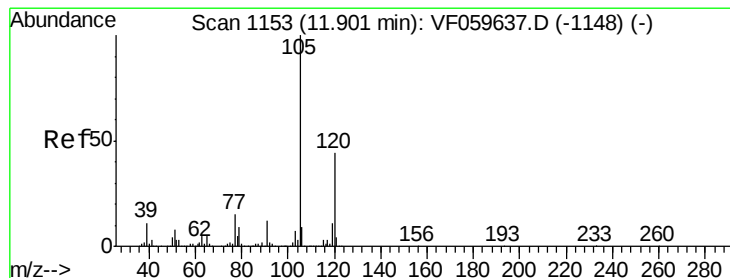
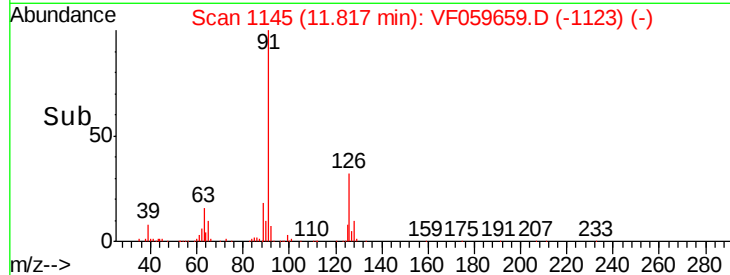
91 100

126 32.2 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 26.56 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VF059659.D

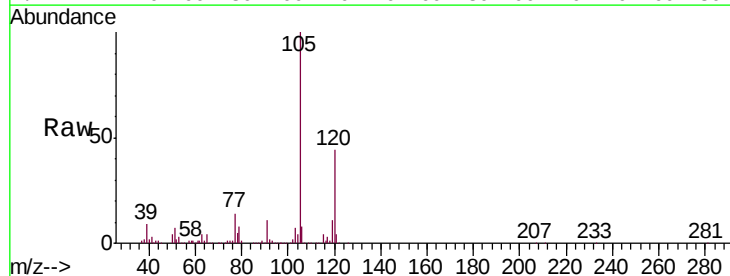
Acq: 25 Jul 2018 15:53

Tgt Ion: 105 Resp: 234996

Ion Ratio Lower Upper

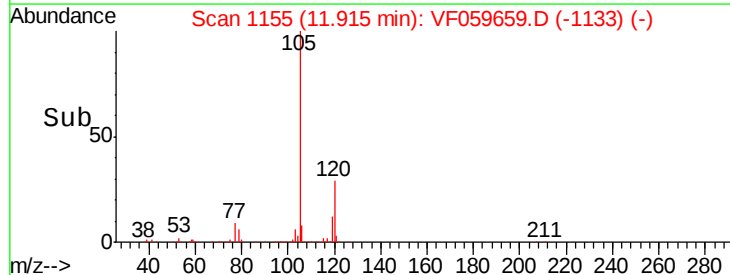
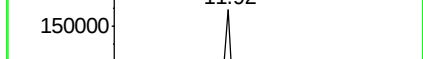
105 100

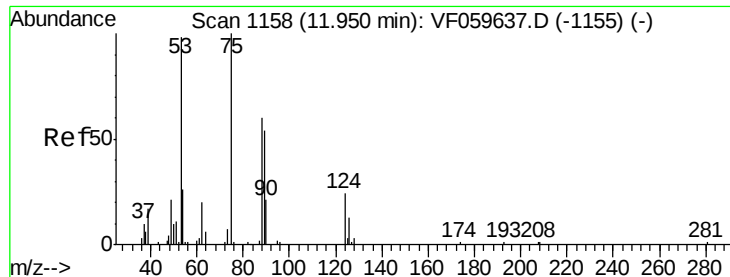
120 43.8 21.8 65.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 10.27 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

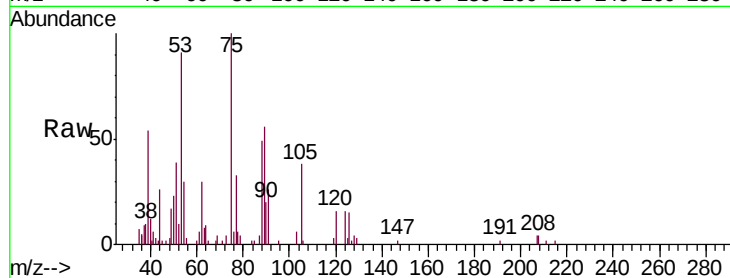
Tot Ion: 75 Resp: 7872

Ion Ratio Lower Upper

75 100

53 91.2 82.3 123.5

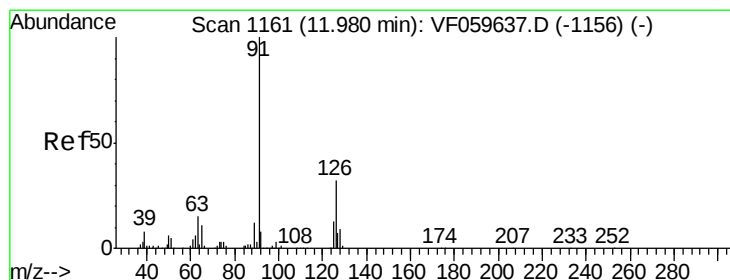
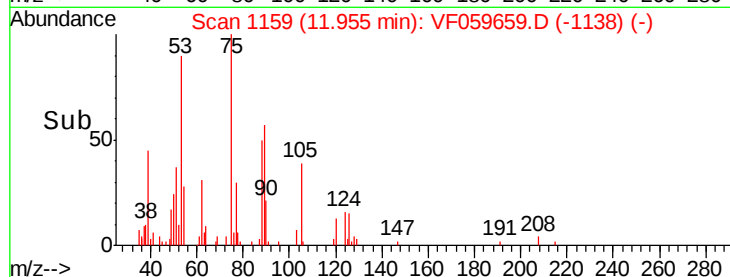
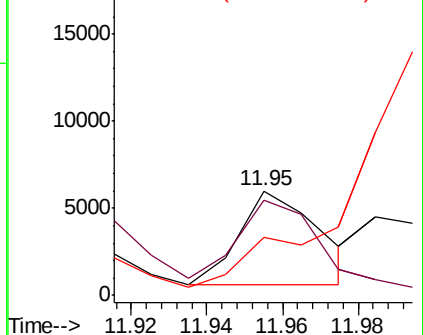
89 55.7 48.2 72.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 22.90 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. 0.01 min

Lab File: VF059659.D

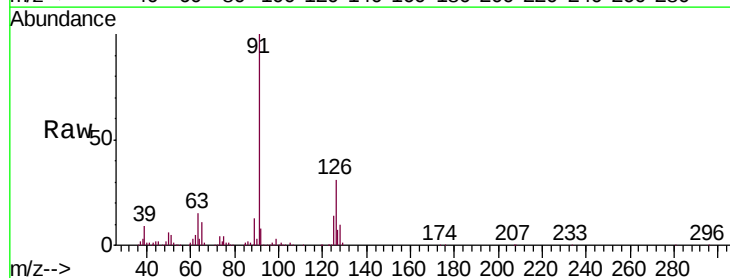
Acq: 25 Jul 2018 15:53

Tgt Ion: 91 Resp: 174399

Ion Ratio Lower Upper

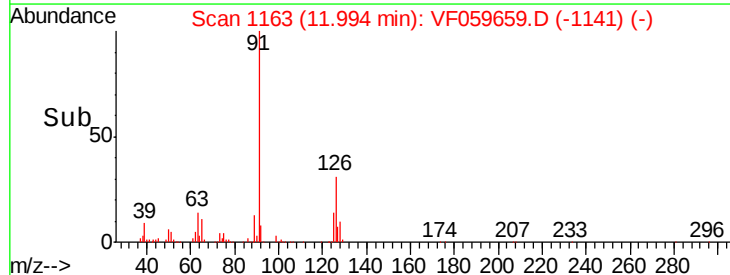
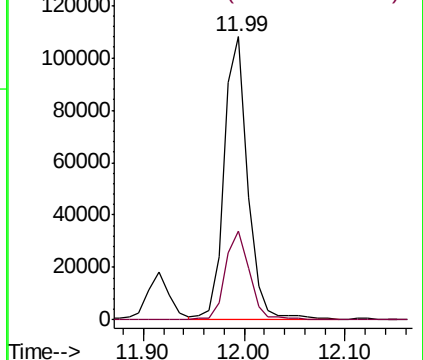
91 100

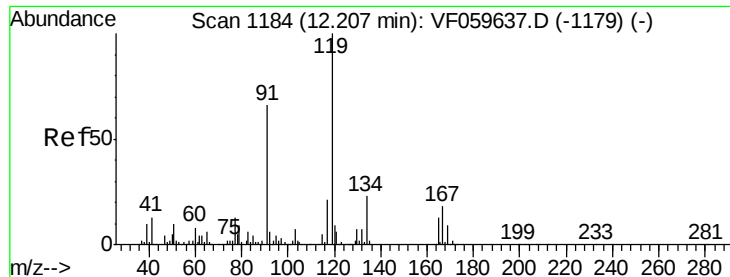
126 31.3 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 26.40 ug/l

RT: 12.22 min Scan# 1186

Delta R.T. 0.01 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

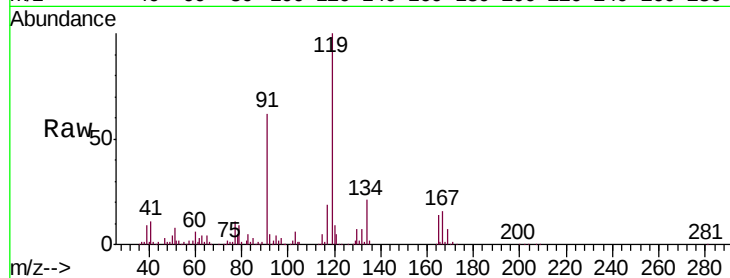
Tot Ion:119 Resp: 235566

Ion Ratio Lower Upper

119 100

91 61.8 33.2 99.6

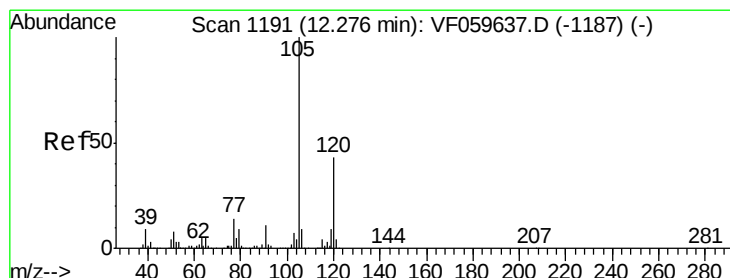
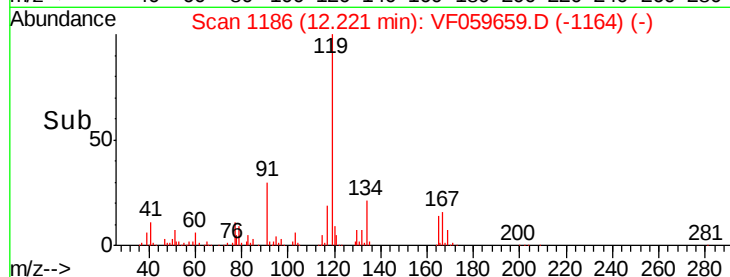
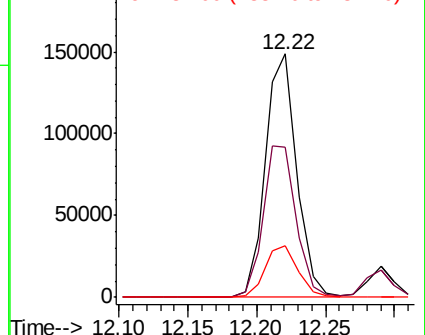
134 21.4 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 24.02 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. 0.01 min

Lab File: VF059659.D

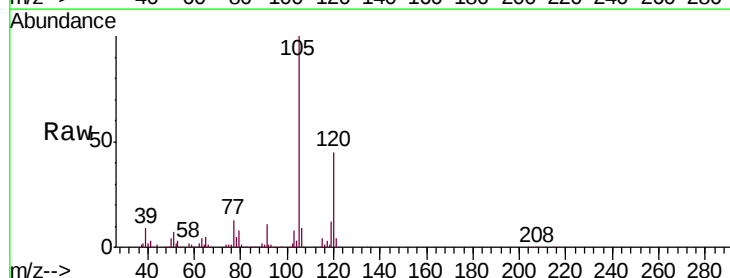
Acq: 25 Jul 2018 15:53

Tgt Ion:105 Resp: 218184

Ion Ratio Lower Upper

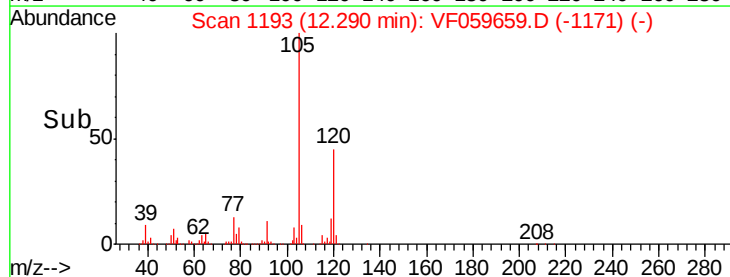
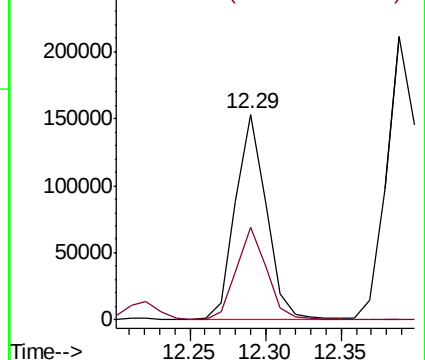
105 100

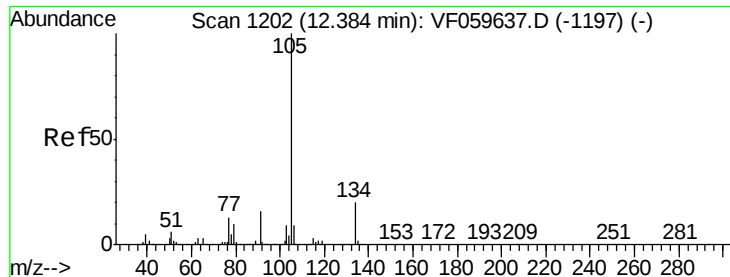
120 45.1 21.4 64.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 25.89 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

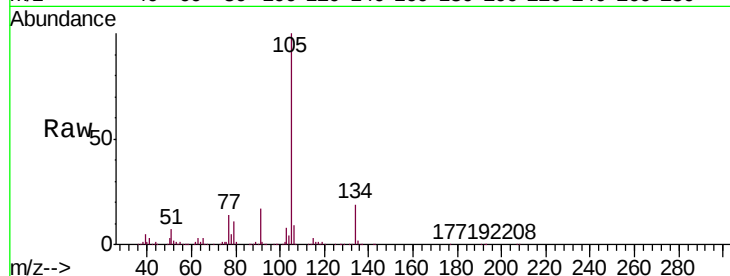
VF0725SBS01

Tot Ion:105 Resp: 307978

Ion Ratio Lower Upper

105 100

134 18.5 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

50000

0

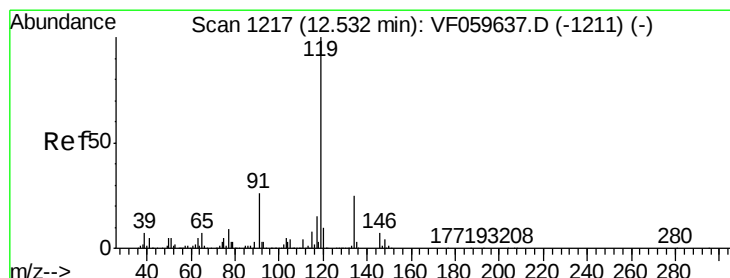
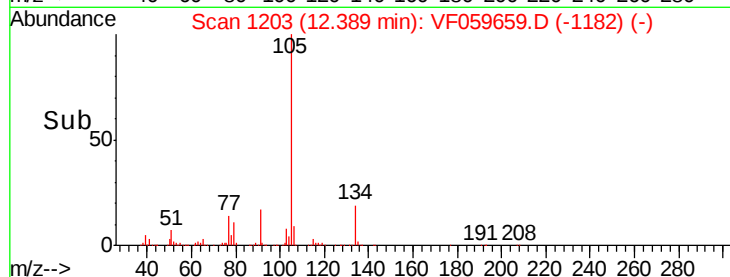
12.39

12.30

12.40

12.50

Time-->



#86

p-Isopropyltoluene

Concen: 25.84 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

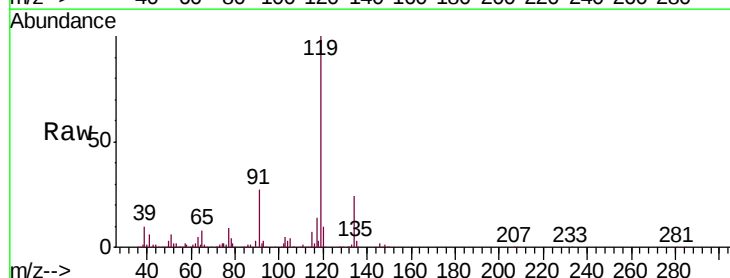
Tgt Ion:119 Resp: 267537

Ion Ratio Lower Upper

119 100

134 24.2 12.4 37.0

91 27.0 13.1 39.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

100000

50000

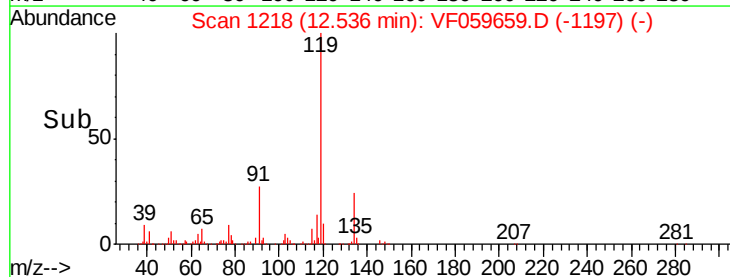
0

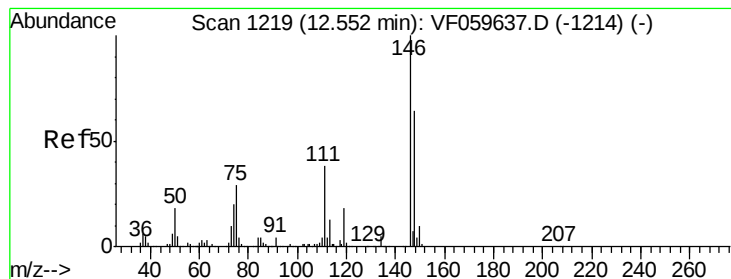
12.54

12.50

12.60

Time-->





#87

1,3-Dichlorobenzene

Concen: 22.88 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

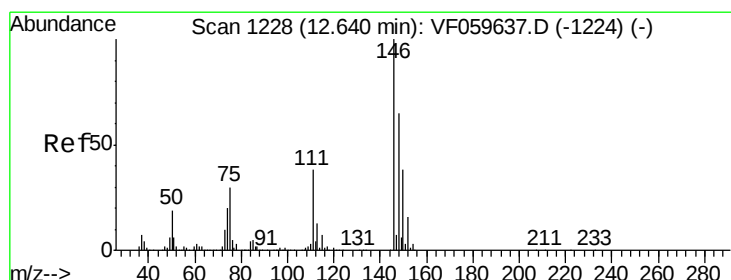
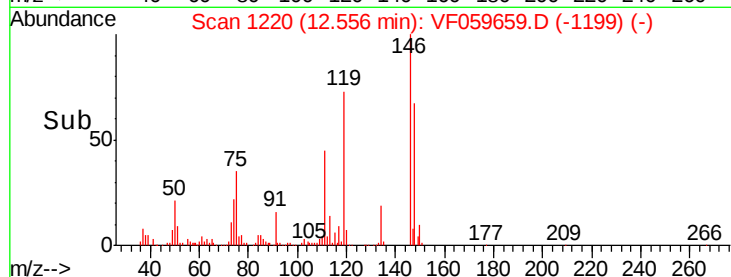
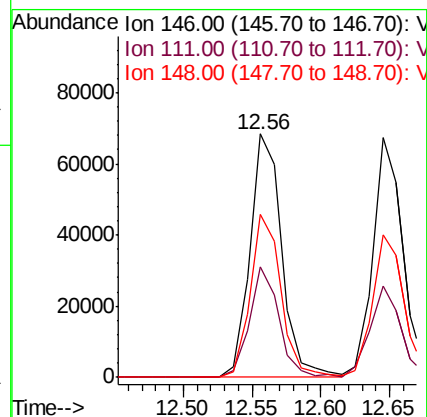
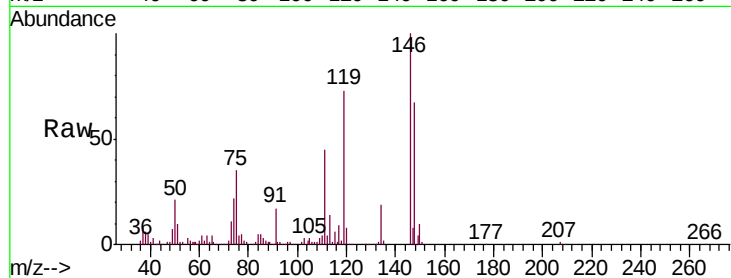
Tot Ion:146 Resp: 110315

Ion Ratio Lower Upper

146 100

111 45.3 19.1 57.1

148 67.0 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 21.87 ug/l

RT: 12.64 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

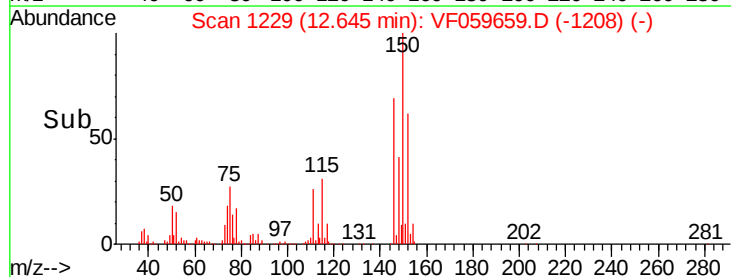
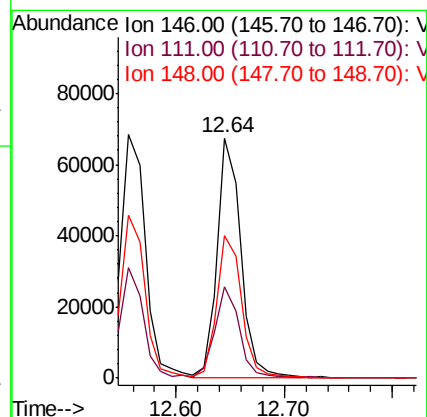
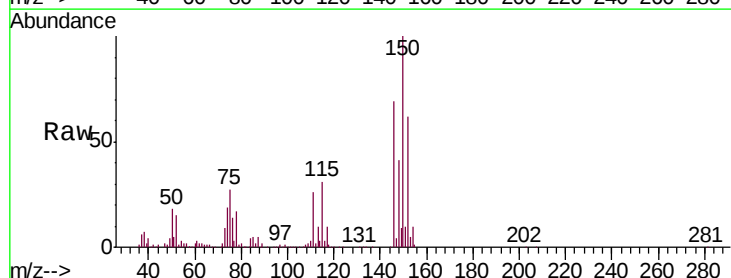
Tgt Ion:146 Resp: 103309

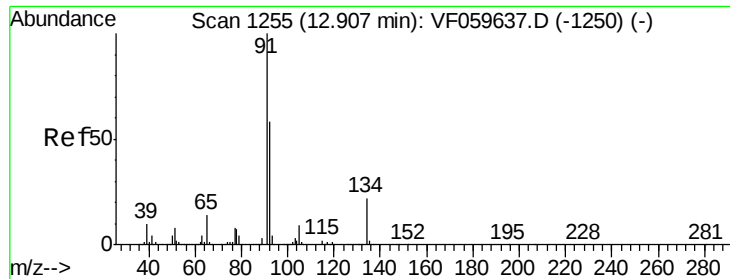
Ion Ratio Lower Upper

146 100

111 37.7 19.1 57.1

148 59.4 32.4 97.2





#89

n-Butylbenzene

Concen: 26.53 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

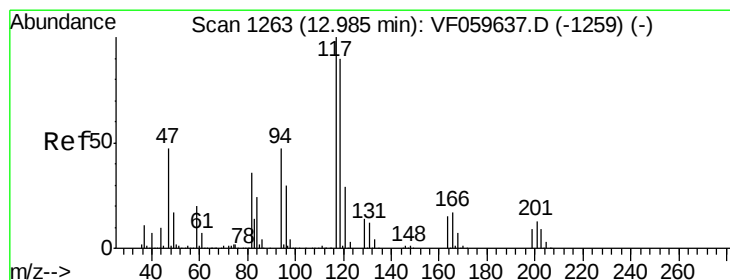
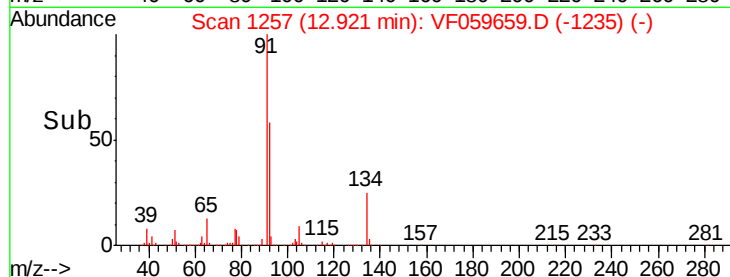
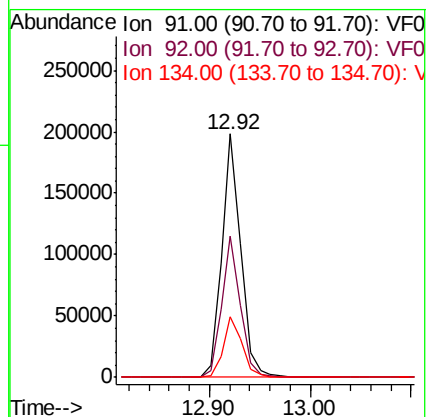
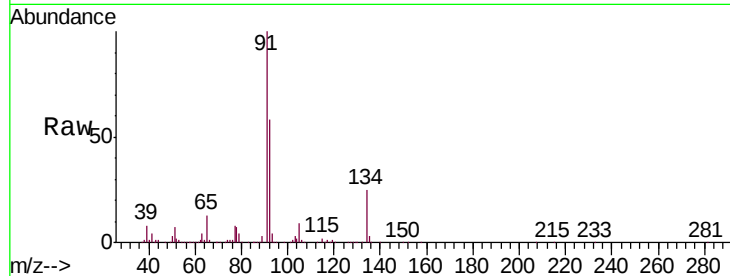
Tot Ion: 91 Resp: 261891

Ion Ratio Lower Upper

91 100

92 58.0 29.1 87.3

134 25.1 11.2 33.6



#90

Hexachloroethane

Concen: 25.12 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF059659.D

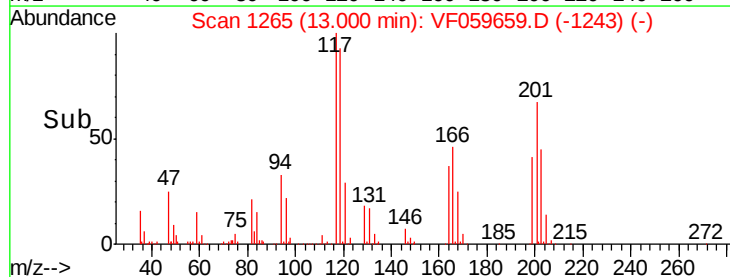
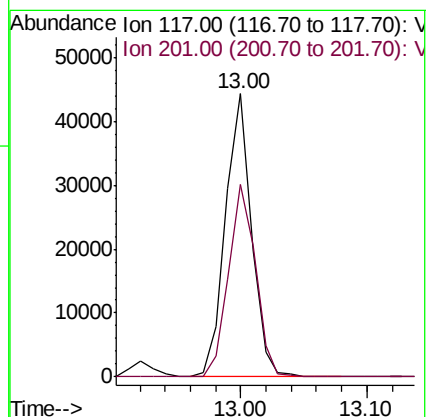
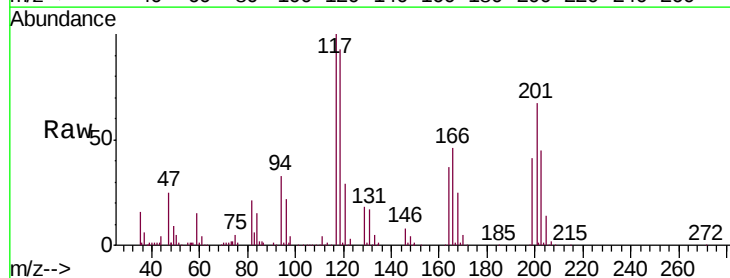
Acq: 25 Jul 2018 15:53

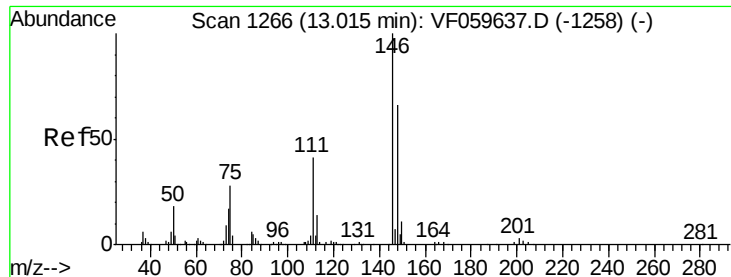
Tgt Ion: 117 Resp: 63444

Ion Ratio Lower Upper

117 100

201 68.2 6.6 19.7#





#91

1,2-Dichlorobenzene

Concen: 21.56 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

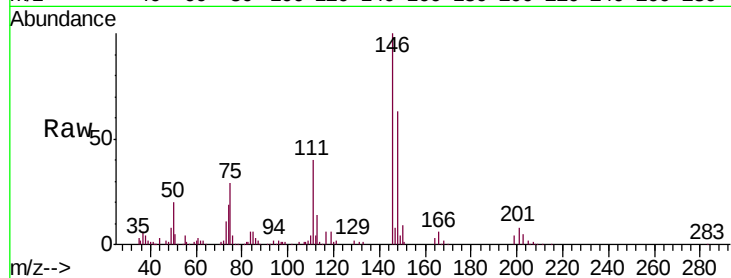
Tot Ion:146 Resp: 98151

Ion Ratio Lower Upper

146 100

111 40.2 20.3 61.0

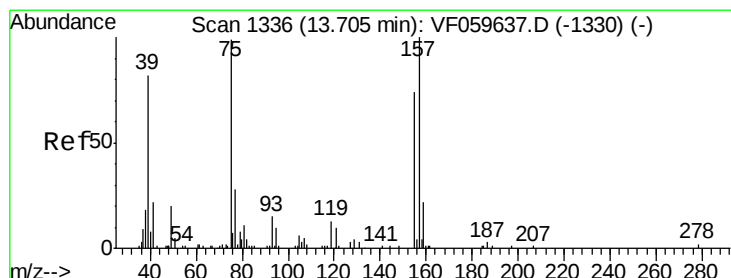
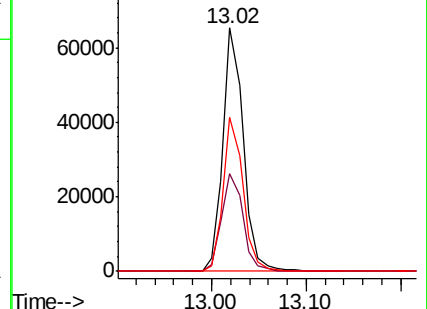
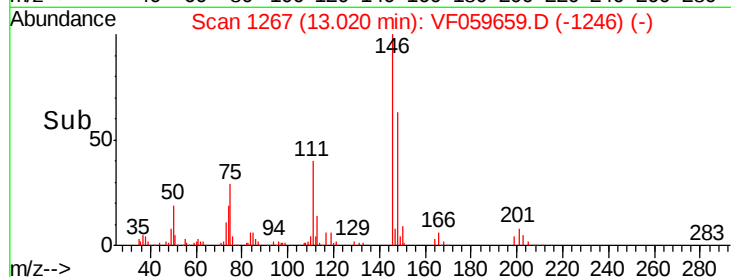
148 63.3 32.9 98.6



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: 14.62 ug/l

RT: 13.72 min Scan# 1338

Delta R.T. 0.01 min

Lab File: VF059659.D

Acq: 25 Jul 2018 15:53

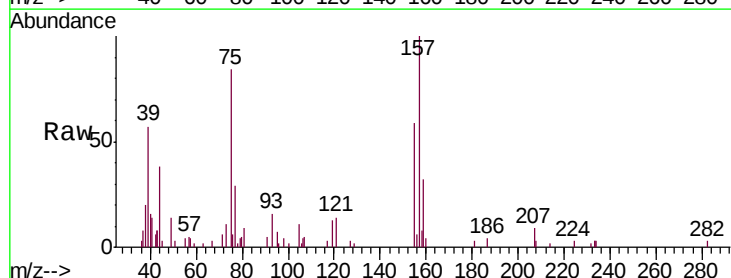
Tgt Ion: 75 Resp: 5687

Ion Ratio Lower Upper

75 100

155 69.5 37.5 112.7

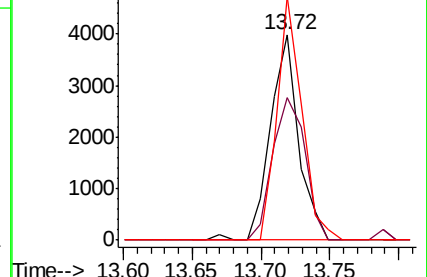
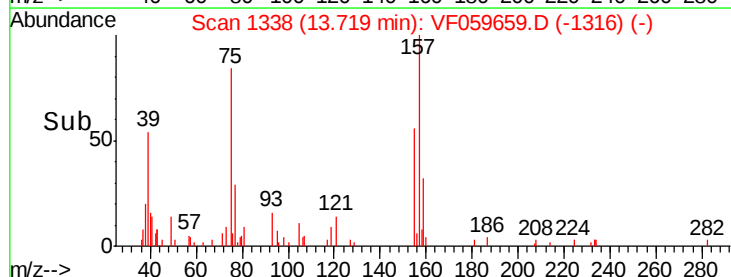
157 118.6 50.6 151.9

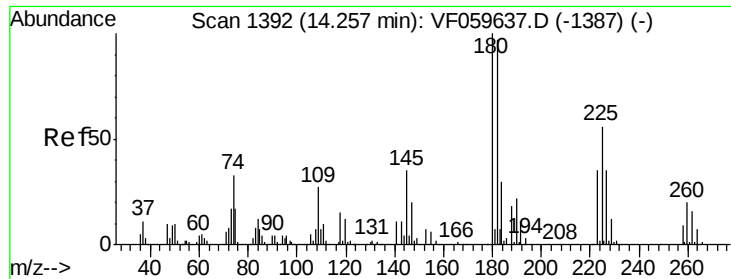


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

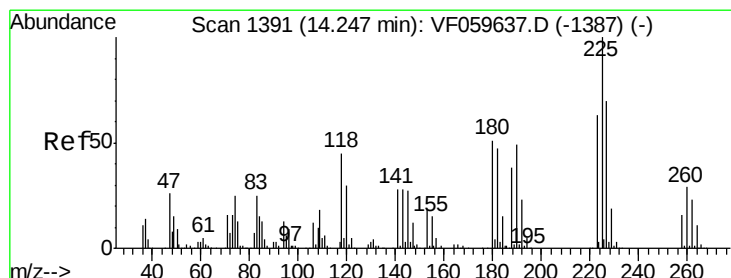
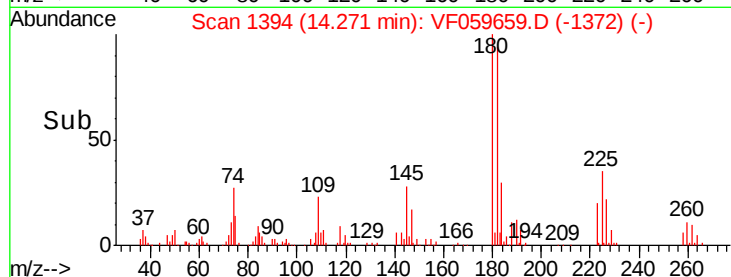
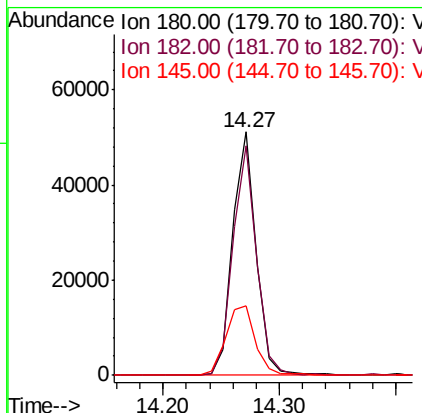
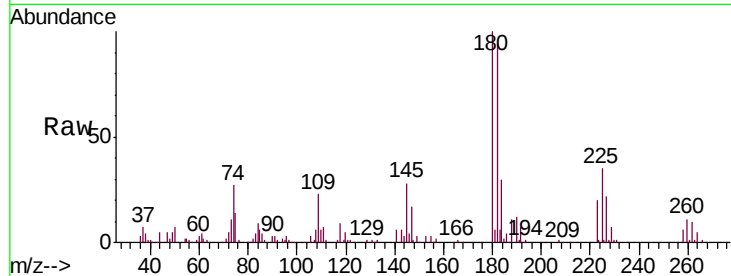




#93
 1,2,4-Trichlorobenzene
 Concen: 18.42 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: VF059659.D
 Acq: 25 Jul 2018 15:53

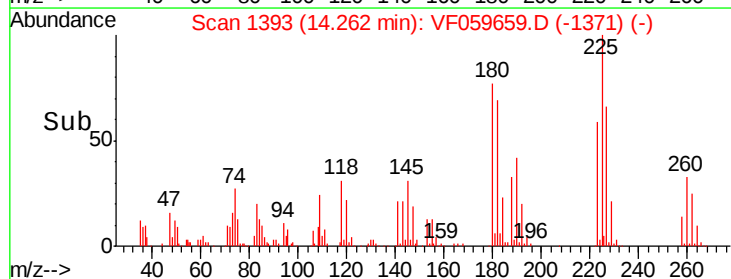
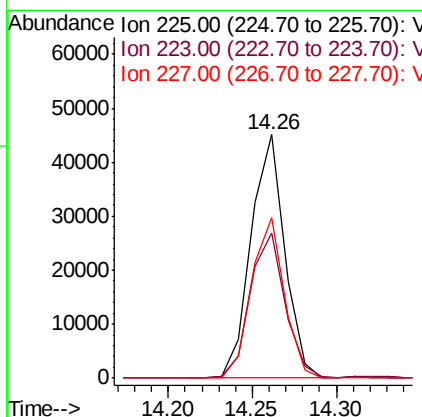
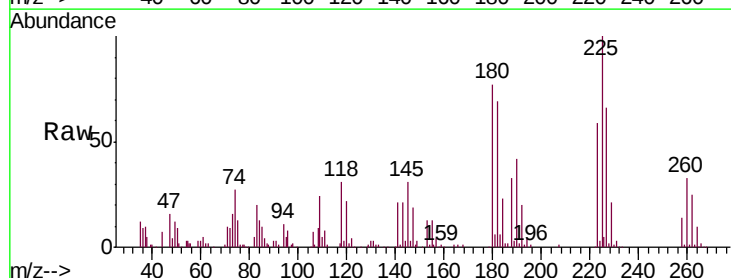
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBSD01

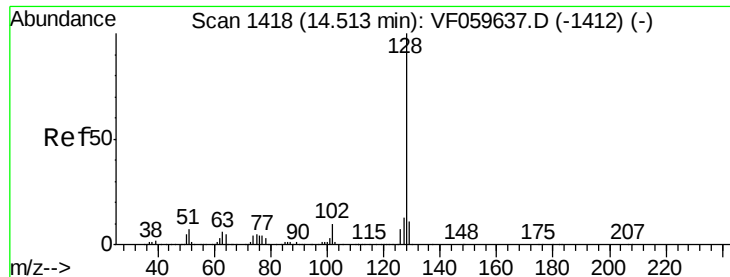
Tot Ion:180 Resp: 71177
 Ion Ratio Lower Upper
 180 100
 182 94.1 48.5 145.6
 145 28.4 17.4 52.2



#94
 Hexachlorobutadiene
 Concen: 23.79 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059659.D
 Acq: 25 Jul 2018 15:53

Tgt Ion:225 Resp: 62569
 Ion Ratio Lower Upper
 225 100
 223 59.3 33.3 99.8
 227 66.1 34.8 104.4

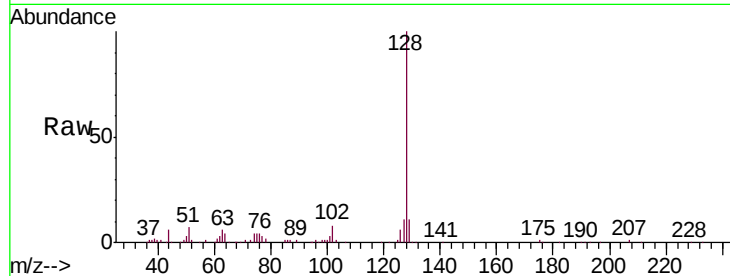




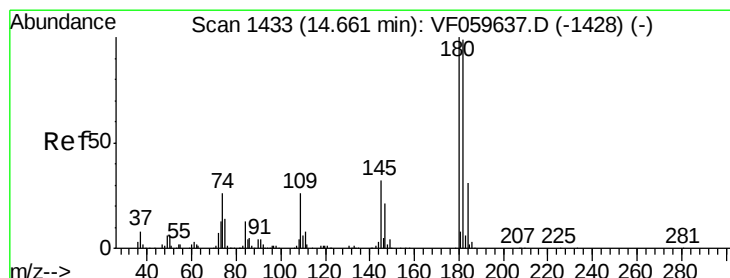
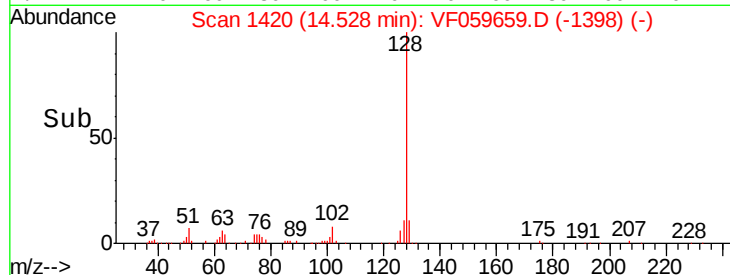
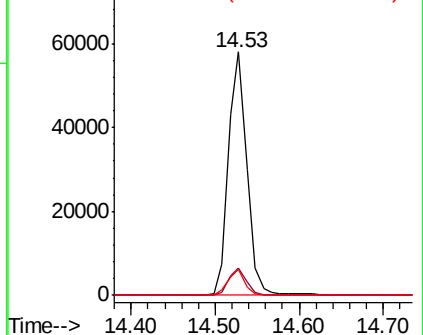
#95
Naphthalene
Concen: 15.69 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.01 min
Lab File: VF059659.D
Acq: 25 Jul 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

Tot Ion:128 Resp: 88548
Ion Ratio Lower Upper
128 100
127 11.3 10.1 15.1
129 10.5 9.1 13.7

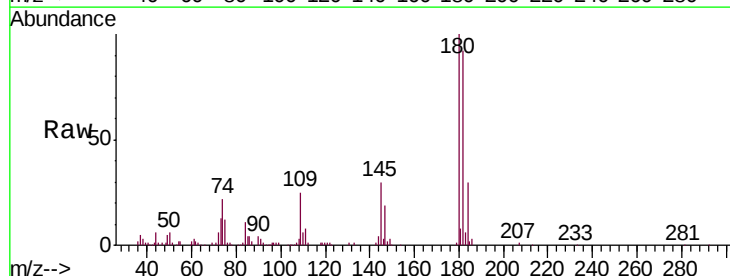


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.76 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VF059659.D
Acq: 25 Jul 2018 15:53

Tgt Ion:180 Resp: 60343
Ion Ratio Lower Upper
180 100
182 91.7 49.5 148.5
145 29.7 16.0 48.0



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

