

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072518\
 Data File : VF059658.D
 Acq On : 25 Jul 2018 15:25
 Operator : VA/AP
 Sample : VF0725SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 83 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

Quant Time: Jul 25 16:21:01 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	242616	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.76	114	324916	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	287546	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	164412	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	122944	36.37	ug/l	0.01
Spiked Amount	50.000		Recovery	=	72.74%	
35) Dibromofluoromethane	4.30	113	132530	45.32	ug/l	0.02
Spiked Amount	50.000		Recovery	=	90.64%	
50) Toluene-d8	7.71	98	358139	50.25	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	11.51	95	155664	42.51	ug/l	0.01
Spiked Amount	50.000		Recovery	=	85.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	57821	20.36	ug/l	93
3) Chloromethane	1.08	50	36821	25.09	ug/l	93
4) Vinyl Chloride	1.15	62	38155	24.33	ug/l	96
5) Bromomethane	1.33	94	29923	24.90	ug/l	90
6) Chloroethane	1.41	64	22093	23.42	ug/l	91
7) Trichlorofluoromethane	1.49	101	94987	22.32	ug/l	92
8) Diethyl Ether	1.70	74	11145	18.81	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.89	101	52745	23.85	ug/l	92
10) Methyl Iodide	1.93	142	77515	22.11	ug/l	93
11) Tert butyl alcohol	2.69	59	10608	84.26	ug/l	100
12) 1,1-Dichloroethene	1.83	96	40061	24.25	ug/l	84
13) Acrolein	2.10	56	4089	66.25	ug/l	87
14) Allyl chloride	2.19	41	69012	23.99	ug/l	91
15) Acrylonitrile	3.07	53	18782	86.67	ug/l #	88
16) Acetone	2.33	43	45454	86.09	ug/l	98
17) Carbon Disulfide	1.84	76	123091	29.67	ug/l	97
18) Methyl Acetate	2.45	43	15796	17.23	ug/l #	91
19) Methyl tert-butyl Ether	2.54	73	75259	17.20	ug/l #	91
20) Methylene Chloride	2.27	84	35924	22.41	ug/l #	84
21) trans-1,2-Dichloroethene	2.41	96	38646	22.17	ug/l	93
22) Diisopropyl ether	2.93	45	115241	20.88	ug/l	96
23) Vinyl Acetate	3.33	43	223039	87.61	ug/l #	96
24) 1,1-Dichloroethane	3.00	63	84029	21.40	ug/l	97
25) 2-Butanone	4.51	43	59287	93.42	ug/l #	90
26) 2,2-Dichloropropane	3.76	77	85468	28.01	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	42458	19.90	ug/l	93
28) Bromochloromethane	3.89	49	24814	16.43	ug/l #	78
29) Tetrahydrofuran	4.26	42	20509	74.69	ug/l	97
30) Chloroform	4.03	83	105240	19.32	ug/l	90
31) Cyclohexane	3.87	56	60080	26.29	ug/l	98
32) 1,1,1-Trichloroethane	4.28	97	105530	22.73	ug/l	96
36) 1,1-Dichloropropene	4.45	75	78226	23.50	ug/l	99
37) Ethyl Acetate	4.29	43	21048	15.32	ug/l #	82
38) Carbon Tetrachloride	4.18	117	102309	22.27	ug/l	93

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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)
39) Methylcyclohexane	5.64	83	74872	27.73	ug/l	87
40) Benzene	4.82	78	138631	22.51	ug/l	95
41) Methacrylonitrile	4.92	41	10157	16.31	ug/l	88
42) 1,2-Dichloroethane	5.11	62	59861	16.41	ug/l	96
43) Isopropyl Acetate	7.11	43	20834	14.23	ug/l #	92
44) Trichloroethene	5.68	130	54927	24.17	ug/l	92
45) 1,2-Dichloropropane	6.41	63	29811	19.12	ug/l	95
46) Dibromomethane	6.25	93	22342	16.97	ug/l	87
47) Bromodichloromethane	6.55	83	69058	17.93	ug/l	97
48) Methyl methacrylate	6.88	41	16038	14.88	ug/l	99
49) 1,4-Dioxane	6.87	88	2625	316.51	ug/l #	88
51) 4-Methyl-2-Pentanone	8.41	43	84085	78.14	ug/l	97
52) Toluene	7.78	92	96099	22.14	ug/l	95
53) t-1,3-Dichloropropene	8.43	75	51769	16.87	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	61202	18.87	ug/l	94
55) 1,1,2-Trichloroethane	8.64	97	22538	16.41	ug/l	89
56) Ethyl methacrylate	8.76	69	21273	14.49	ug/l	97
57) 1,3-Dichloropropane	9.00	76	39052	16.61	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.78	63	18643	98.96	ug/l	100
59) 2-Hexanone	9.63	43	62582	76.16	ug/l	95
60) Dibromochloromethane	8.87	129	41380	16.30	ug/l	88
61) 1,2-Dibromoethane	9.14	107	27072	16.15	ug/l	100
64) Tetrachloroethene	8.31	164	50745	22.27	ug/l	94
65) Chlorobenzene	9.94	112	114244	21.45	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	50324	20.38	ug/l	97
67) Ethyl Benzene	10.04	91	227177	23.73	ug/l	100
68) m/p-Xylenes	10.27	106	156623	45.79	ug/l	95
69) o-Xylene	10.83	106	80612	22.14	ug/l	97
70) Styrene	10.90	104	109058	20.74	ug/l	97
71) Bromoform	10.89	173	23137	16.64	ug/l	99
73) Isopropylbenzene	11.23	105	289094	27.98	ug/l	95
74) N-amyl acetate	11.46	43	38901	17.56	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.79	83	30181	19.29	ug/l	90
76) 1,2,3-Trichloropropane	11.89	75	24942	19.30	ug/l	94
77) Bromobenzene	11.60	156	56476	22.34	ug/l	92
78) n-propylbenzene	11.69	91	323279	26.28	ug/l	99
79) 2-Chlorotoluene	11.82	91	183112	24.74	ug/l	96
80) 1,3,5-Trimethylbenzene	11.92	105	228808	24.92	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	15197	19.10	ug/l	93
82) 4-Chlorotoluene	11.99	91	190741	24.15	ug/l	100
83) tert-Butylbenzene	12.22	119	239551	25.88	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	230270	24.44	ug/l	96
85) sec-Butylbenzene	12.39	105	312213	25.30	ug/l	98
86) p-Isopropyltoluene	12.54	119	269455	25.08	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	114512	22.89	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	106450	21.72	ug/l	97
89) n-Butylbenzene	12.92	91	266705	25.92	ug/l	98
90) Hexachloroethane	13.00	117	63432	24.21	ug/l #	1
91) 1,2-Dichlorobenzene	13.02	146	102551	21.71	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.72	75	7015	17.39	ug/l	90

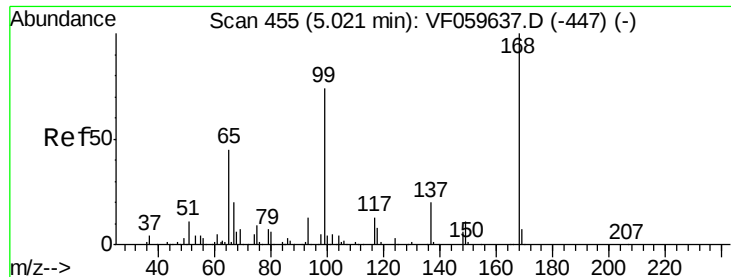
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF072518\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	73006	18.14	ug/l	92
94) Hexachlorobutadiene	14.26	225	62815	23.02	ug/l	95
95) Naphthalene	14.53	128	89617	15.31	ug/l	96
96) 1,2,3-Trichlorobenzene	14.68	180	62163	18.63	ug/l	98

(#) = 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: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

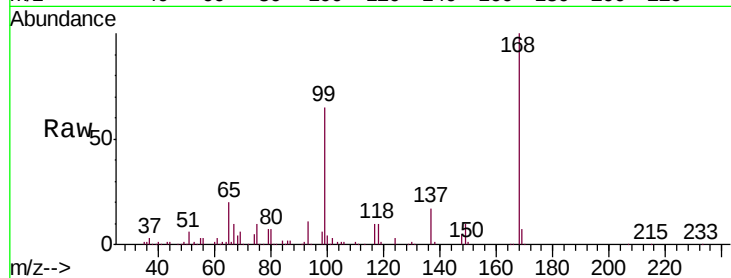
VF0725SBS01

Tot Ion:168 Resp: 242616

Ion Ratio Lower Upper

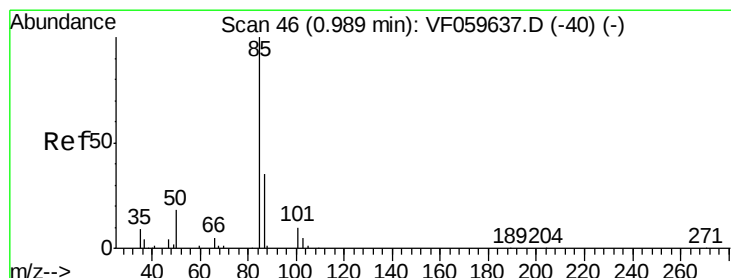
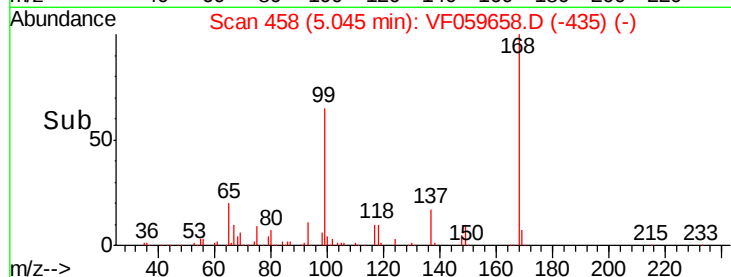
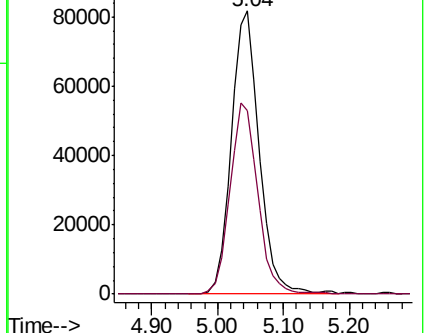
168 100

99 64.6 59.5 89.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 20.36 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF059658.D

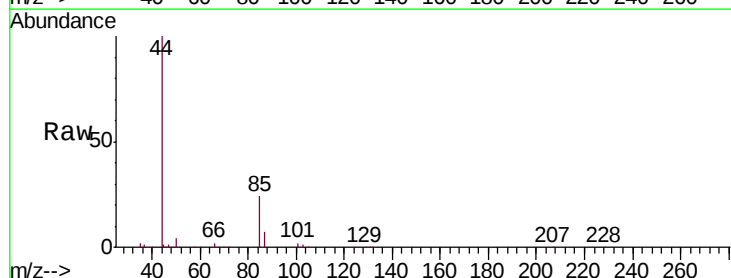
Acq: 25 Jul 2018 15:25

Tgt Ion: 85 Resp: 57821

Ion Ratio Lower Upper

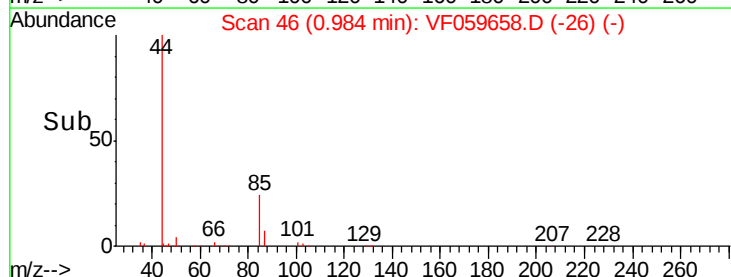
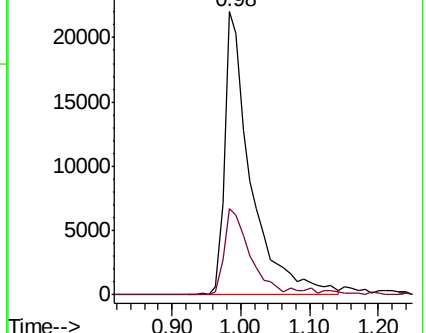
85 100

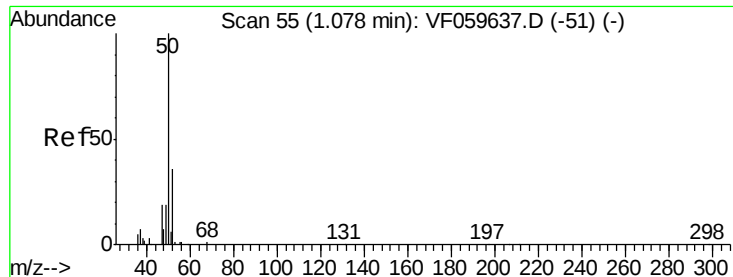
87 30.7 17.4 52.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 25.09 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

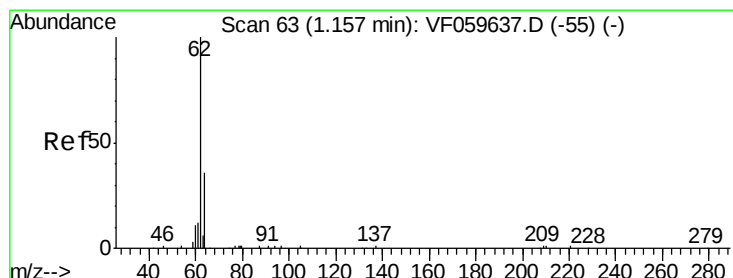
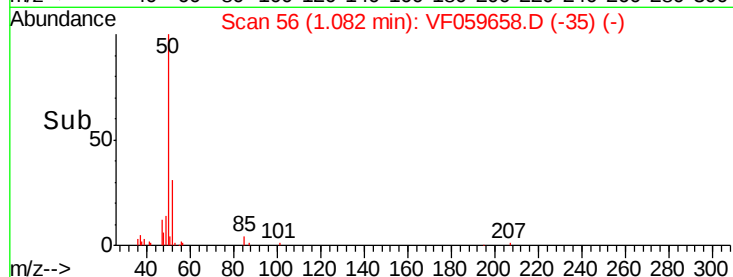
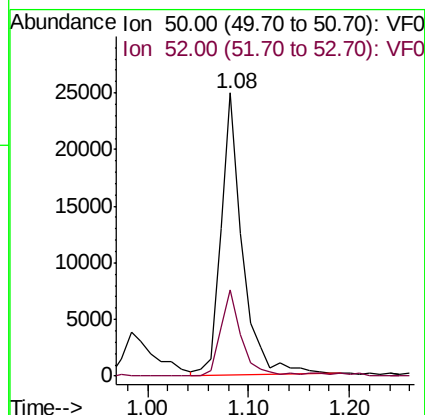
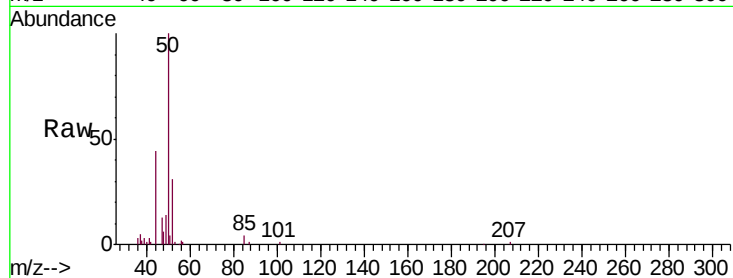
VF0725SBS01

Tot Ion: 50 Resp: 36821

Ion Ratio Lower Upper

50 100

52 30.7 28.0 42.0



#4

Vinyl Chloride

Concen: 24.33 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF059658.D

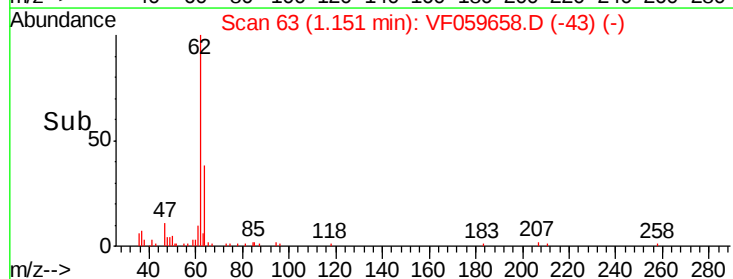
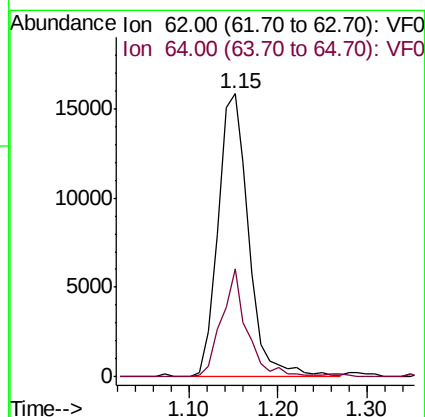
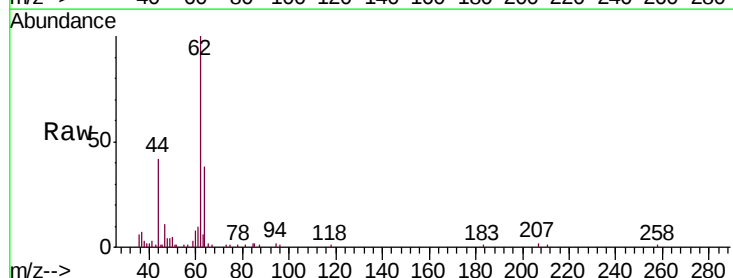
Acq: 25 Jul 2018 15:25

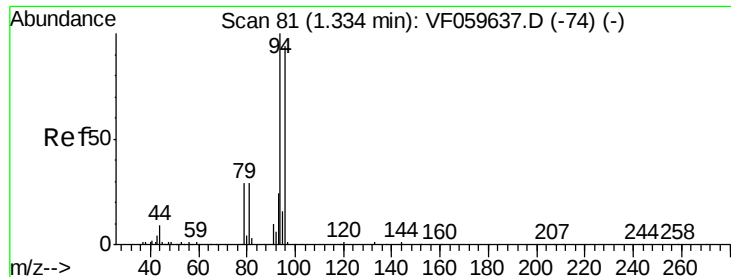
Tgt Ion: 62 Resp: 38155

Ion Ratio Lower Upper

62 100

64 37.9 28.6 43.0





#5

Bromomethane

Concen: 24.90 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

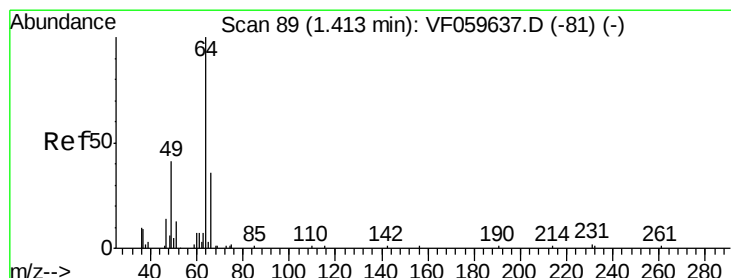
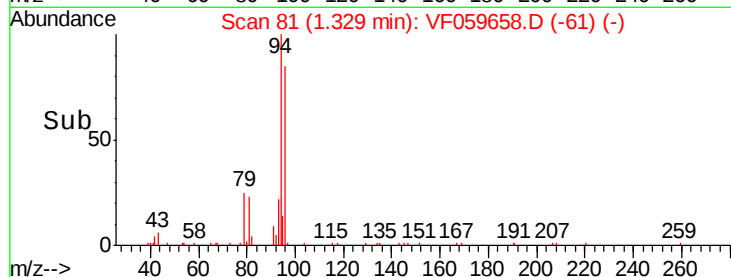
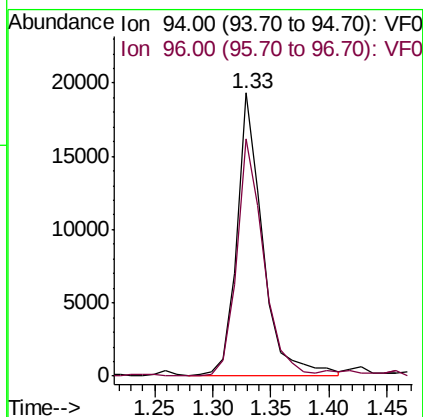
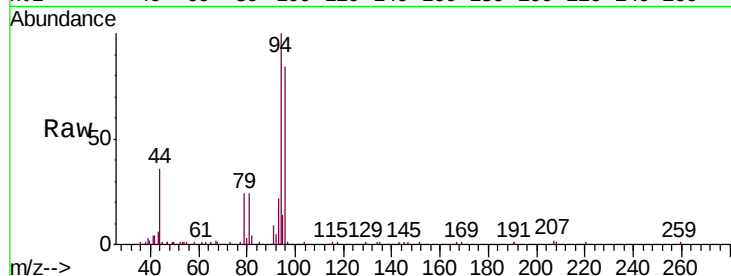
VF0725SBS01

Tot Ion: 94 Resp: 29923

Ion Ratio Lower Upper

94 100

96 84.1 74.6 112.0



#6

Chloroethane

Concen: 23.42 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.01 min

Lab File: VF059658.D

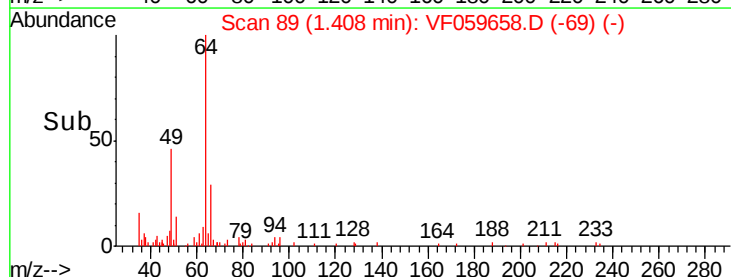
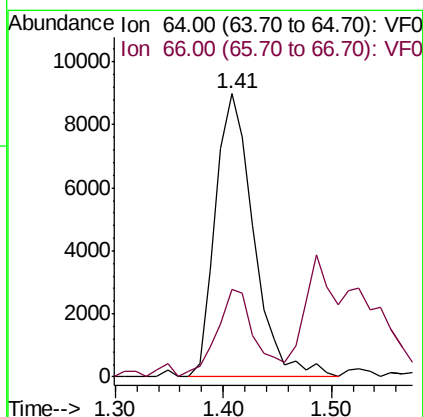
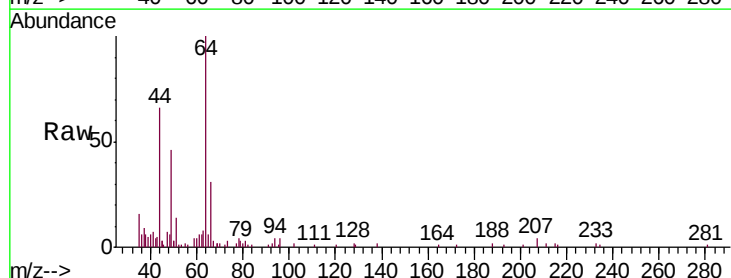
Acq: 25 Jul 2018 15:25

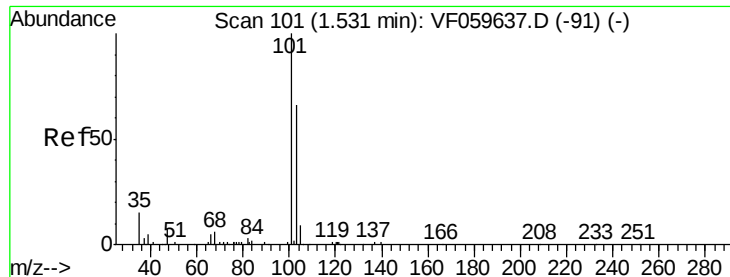
Tgt Ion: 64 Resp: 22093

Ion Ratio Lower Upper

64 100

66 30.9 29.0 43.6





#7

Trichlorofluoromethane

Concen: 22.32 ug/l

RT: 1.49 min Scan# 97

Delta R.T. -0.04 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

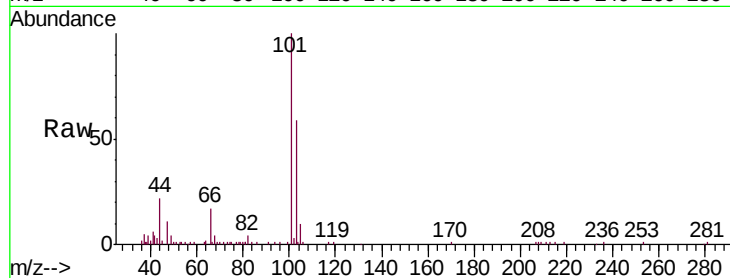
VF0725SBS01

Tot Ion:101 Resp: 94987

Ion Ratio Lower Upper

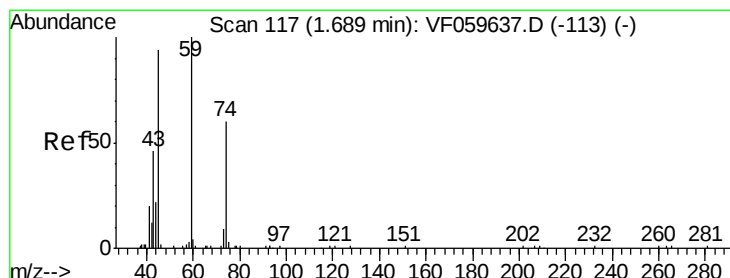
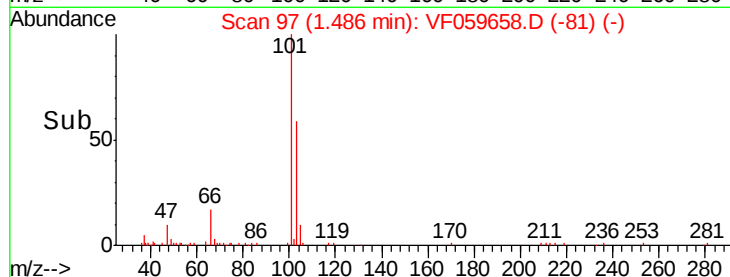
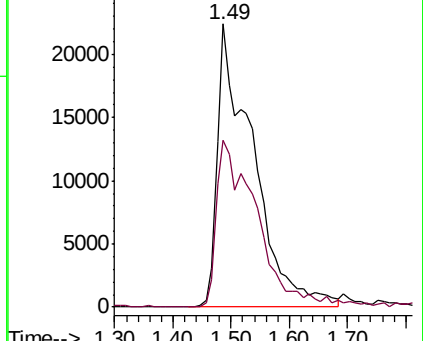
101 100

103 58.9 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 18.81 ug/l

RT: 1.70 min Scan# 119

Delta R.T. 0.01 min

Lab File: VF059658.D

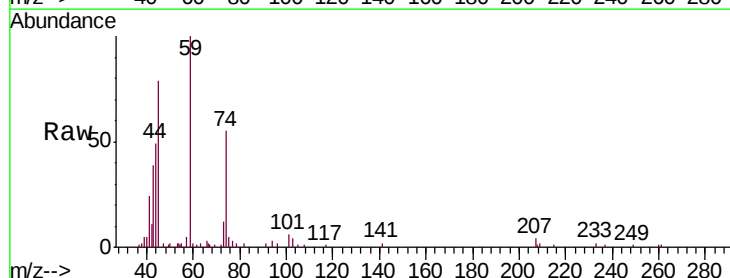
Acq: 25 Jul 2018 15:25

Tgt Ion: 74 Resp: 11145

Ion Ratio Lower Upper

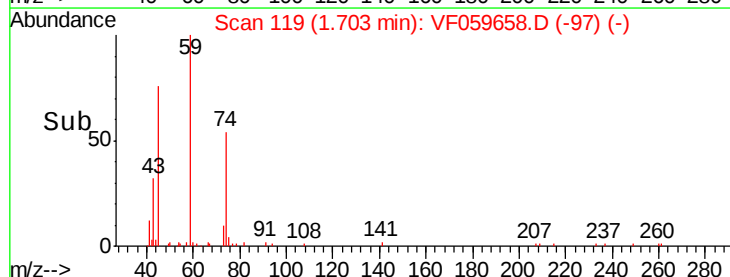
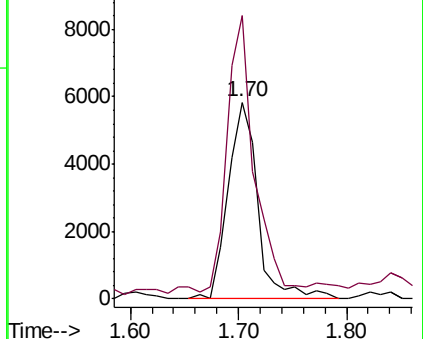
74 100

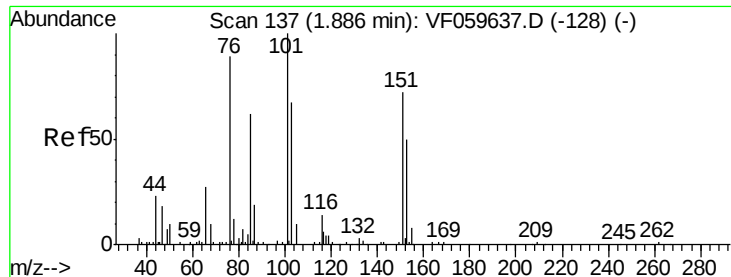
45 144.0 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.85 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

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ClientSampleId :

VF0725SBS01

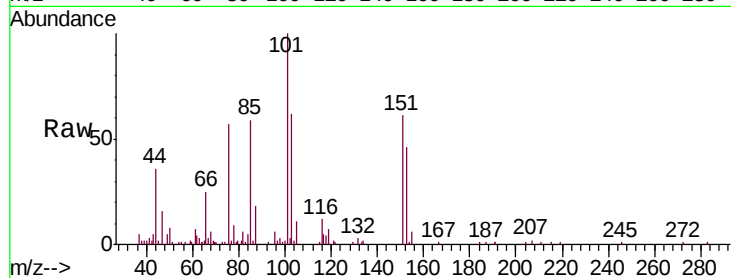
Tot Ion:101 Resp: 52745

Ion Ratio Lower Upper

101 100

85 59.5 49.0 73.4

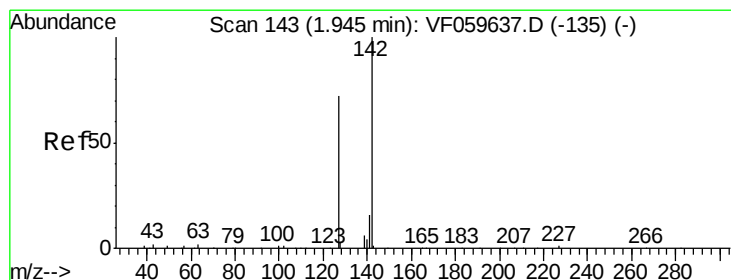
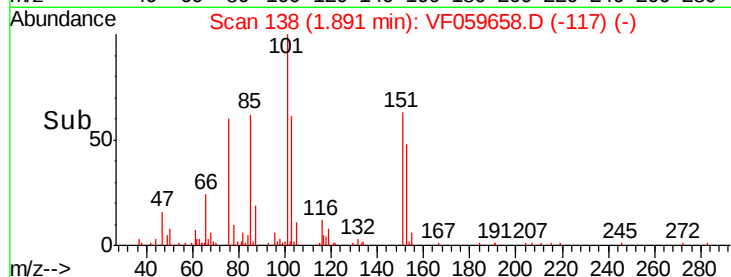
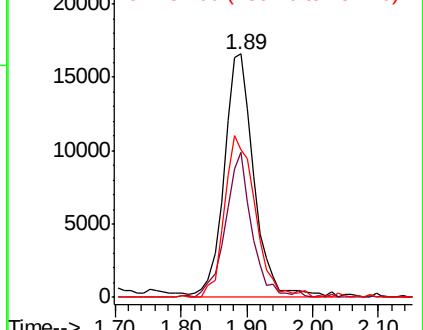
151 60.7 56.8 85.2



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: 22.11 ug/l

RT: 1.93 min Scan# 142

Delta R.T. -0.02 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

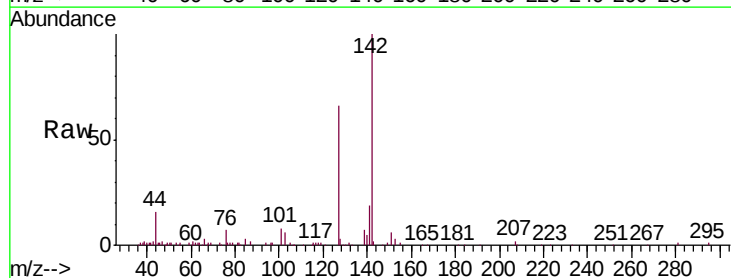
Tgt Ion:142 Resp: 77515

Ion Ratio Lower Upper

142 100

127 66.1 57.5 86.3

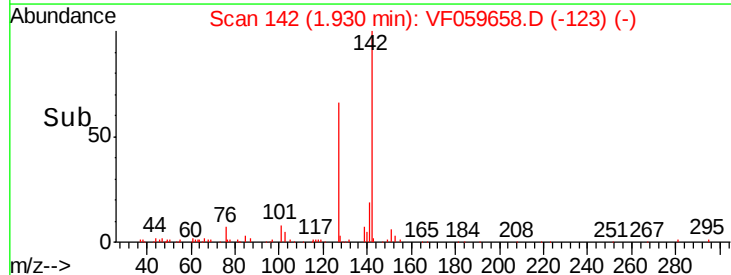
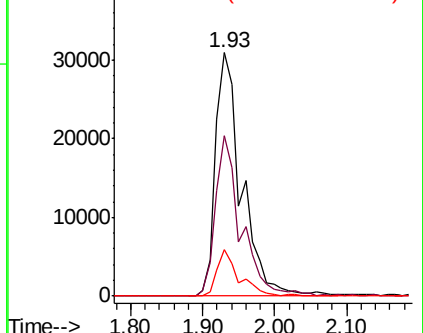
141 19.0 13.2 19.8

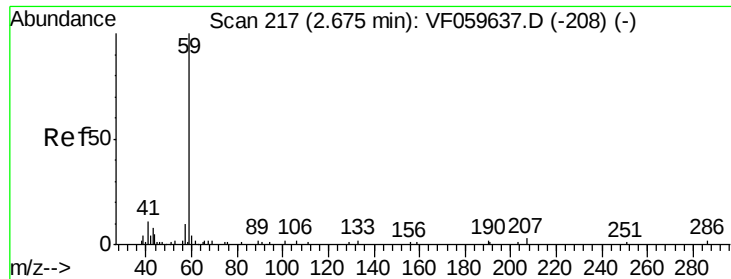


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



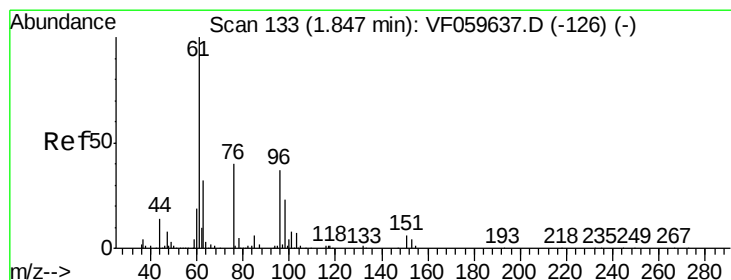
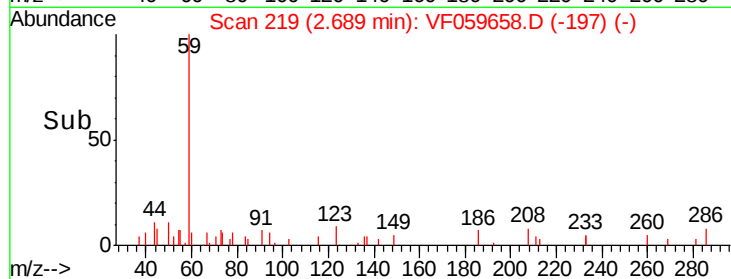
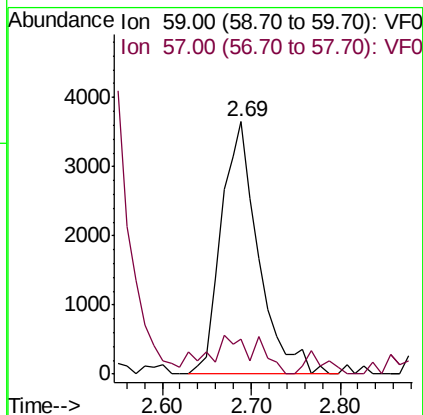
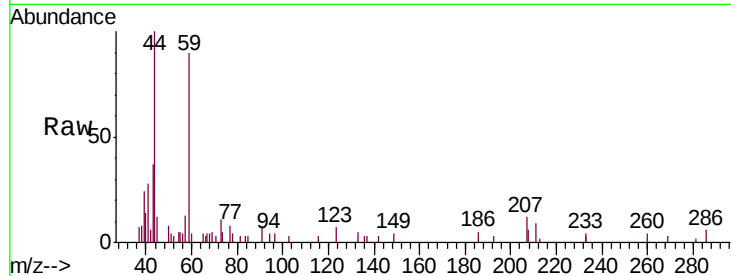


#11

Tert butyl alcohol
 Concen: 84.26 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.01 min
 Lab File: VF059658.D
 Acq: 25 Jul 2018 15:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

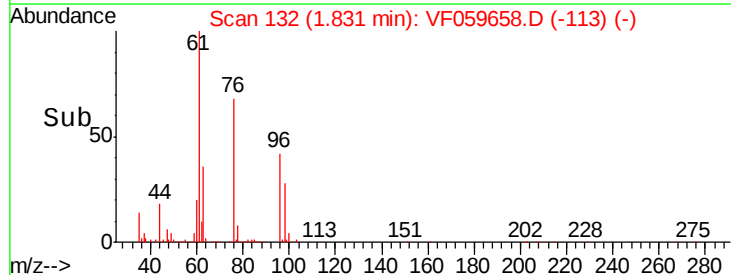
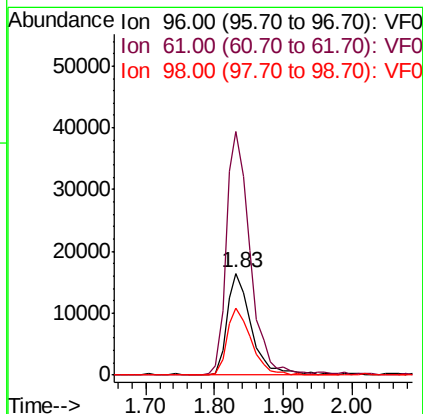
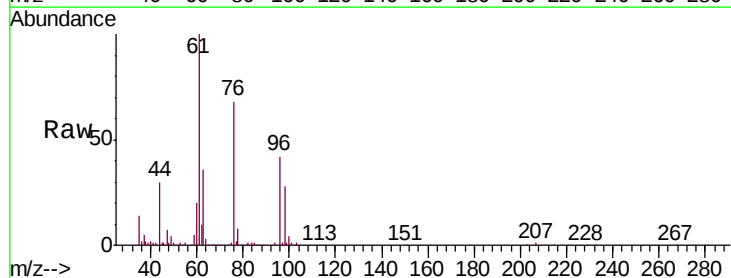
Tot Ion: 59 Resp: 10608
 Ion Ratio Lower Upper
 59 100
 57 14.1 11.4 17.2

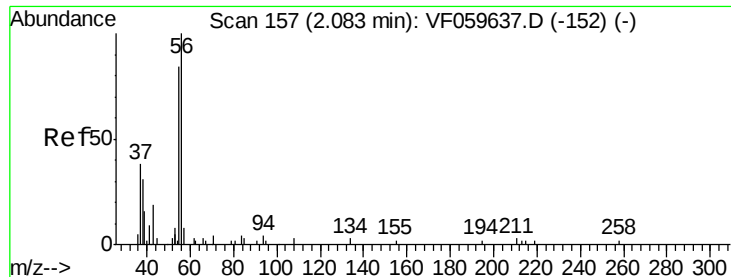


#12

1,1-Dichloroethene
 Concen: 24.25 ug/l
 RT: 1.83 min Scan# 132
 Delta R.T. -0.01 min
 Lab File: VF059658.D
 Acq: 25 Jul 2018 15:25

Tgt Ion: 96 Resp: 40061
 Ion Ratio Lower Upper
 96 100
 61 238.6 218.2 327.4
 98 66.1 50.6 76.0





#13

Acrolein

Concen: 66.25 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

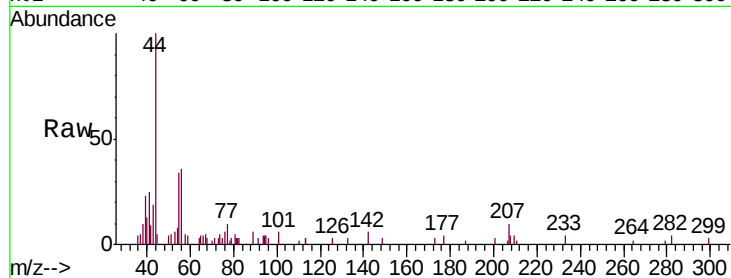
VF0725SBS01

Tot Ion: 56 Resp: 4089

Ion Ratio Lower Upper

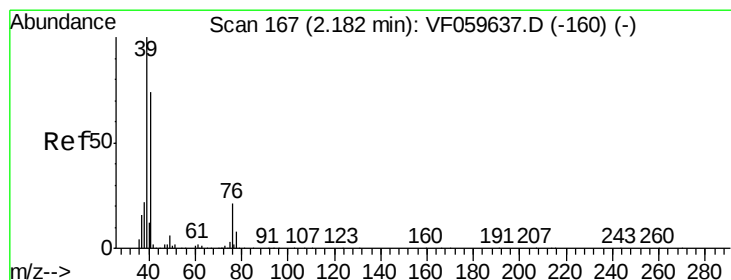
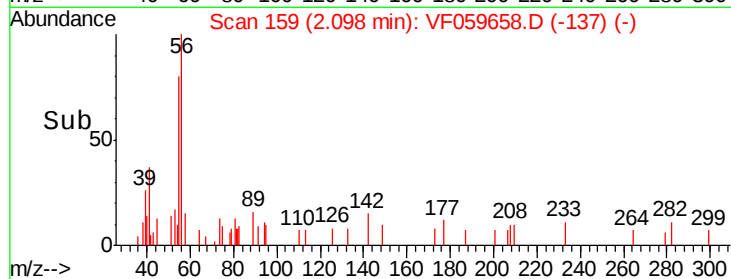
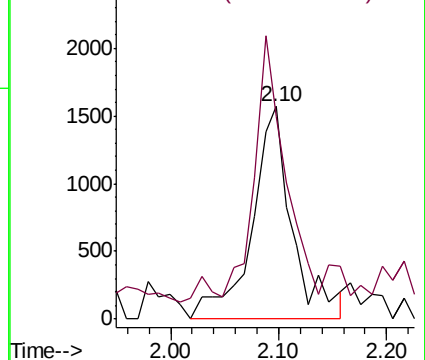
56 100

55 95.5 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: 23.99 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

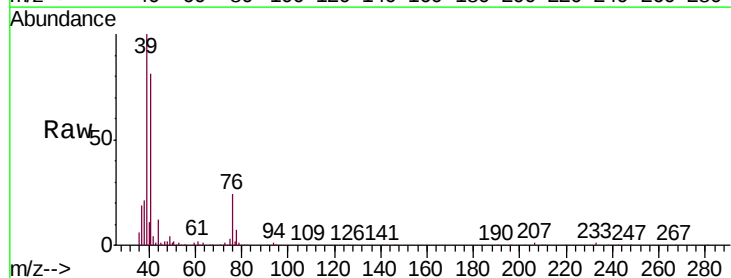
Tgt Ion: 41 Resp: 69012

Ion Ratio Lower Upper

41 100

39 123.8 108.6 162.8

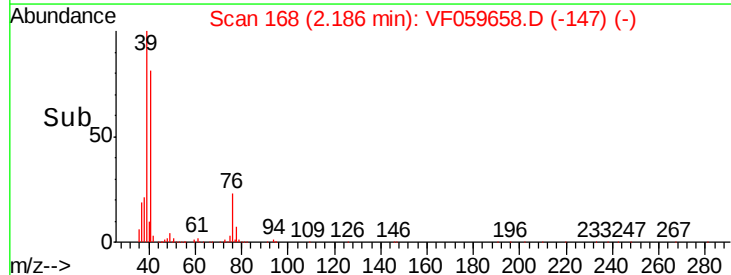
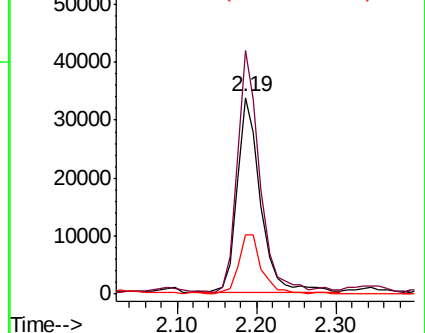
76 30.2 23.0 34.6

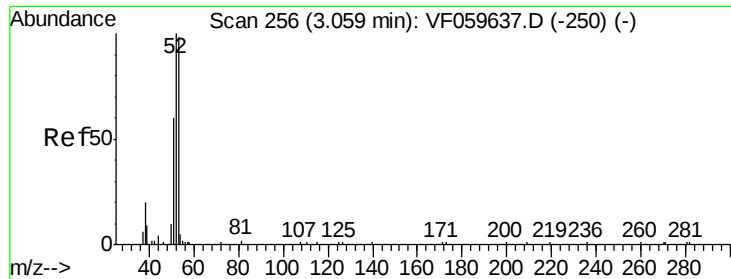


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 86.67 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

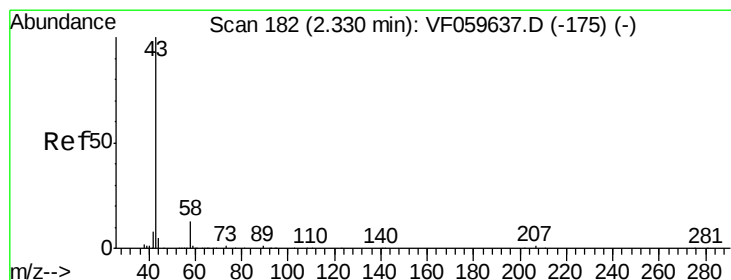
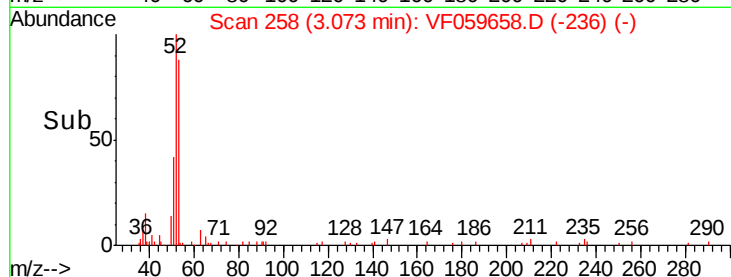
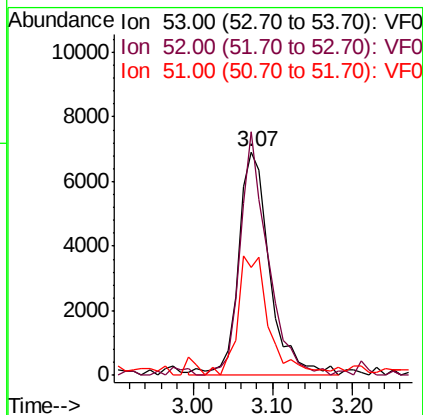
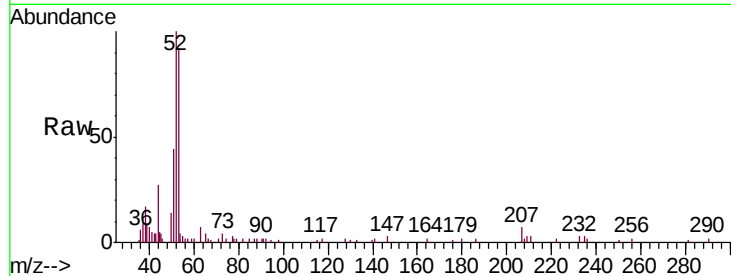
Tot Ion: 53 Resp: 18782

Ion Ratio Lower Upper

53 100

52 109.1 80.9 121.3

51 48.4 49.4 74.2#



#16

Acetone

Concen: 86.09 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF059658.D

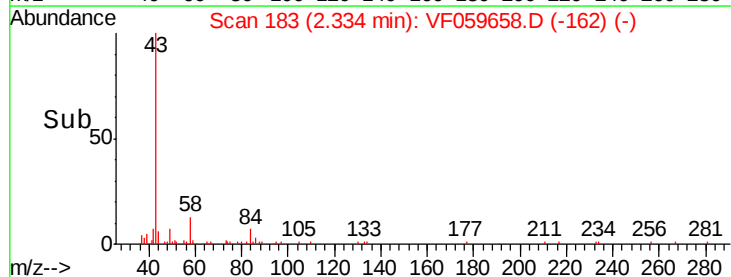
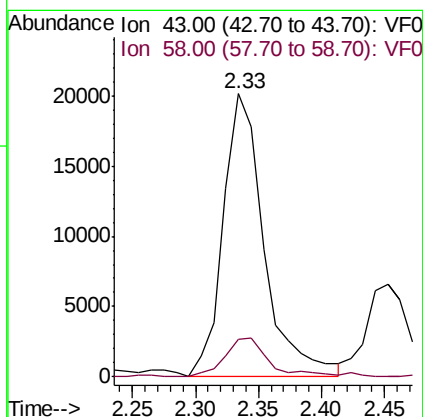
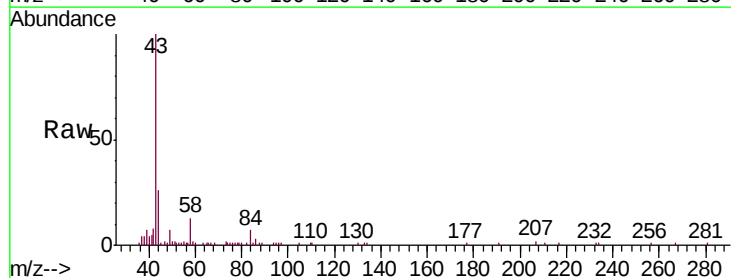
Acq: 25 Jul 2018 15:25

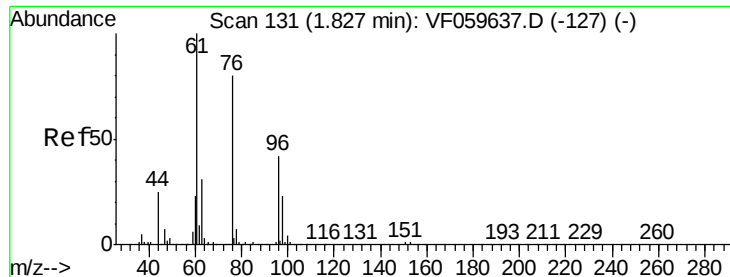
Tgt Ion: 43 Resp: 45454

Ion Ratio Lower Upper

43 100

58 13.3 10.2 15.2





#17

Carbon Disulfide

Concen: 29.67 ug/l

RT: 1.84 min Scan# 133

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

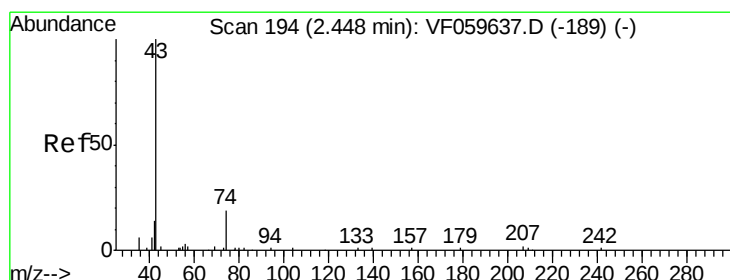
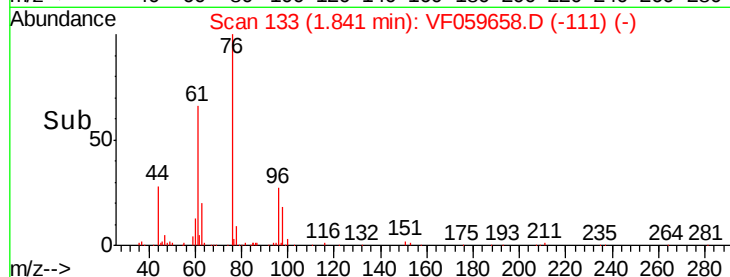
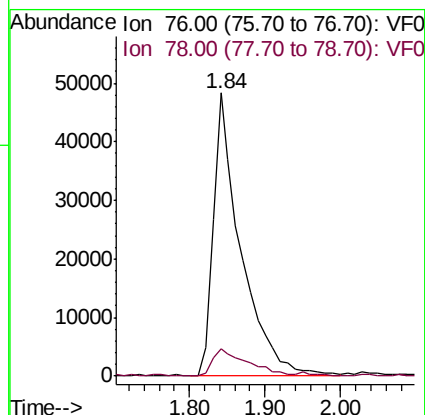
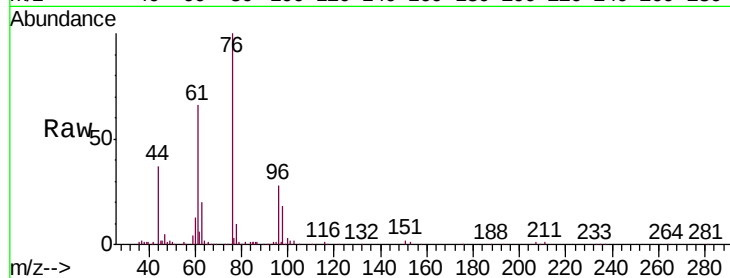
VF0725SBS01

Tot Ion: 76 Resp: 123091

Ion Ratio Lower Upper

76 100

78 9.9 7.0 10.6



#18

Methyl Acetate

Concen: 17.23 ug/l

RT: 2.45 min Scan# 195

Delta R.T. 0.00 min

Lab File: VF059658.D

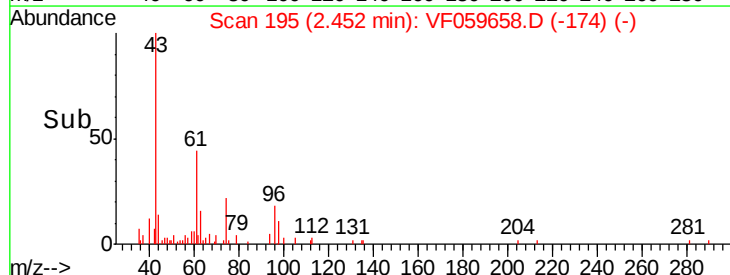
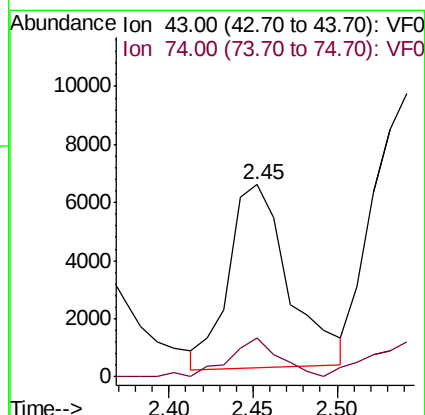
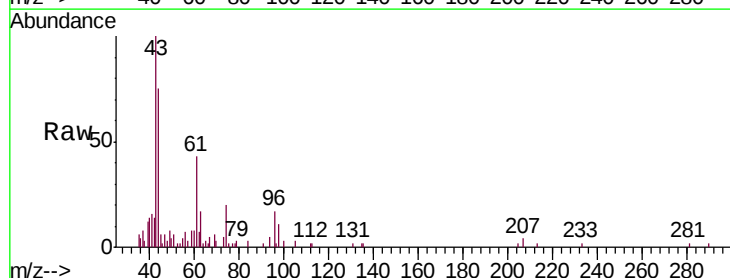
Acq: 25 Jul 2018 15:25

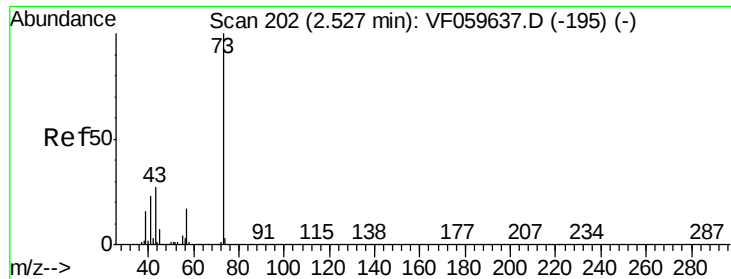
Tgt Ion: 43 Resp: 15796

Ion Ratio Lower Upper

43 100

74 20.3 13.0 19.6#



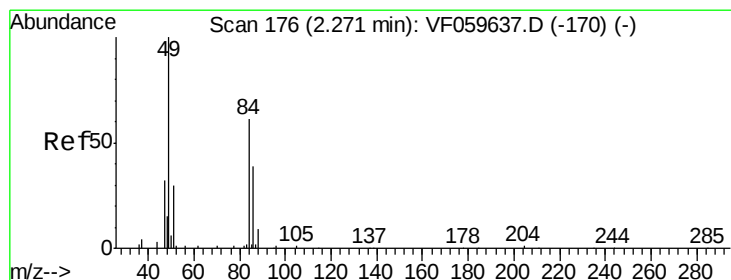
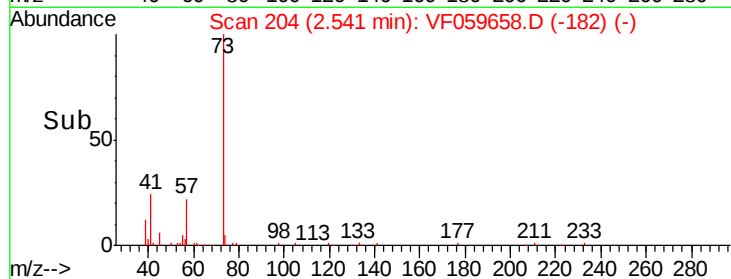
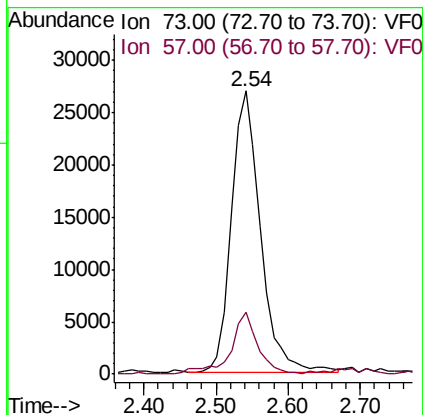
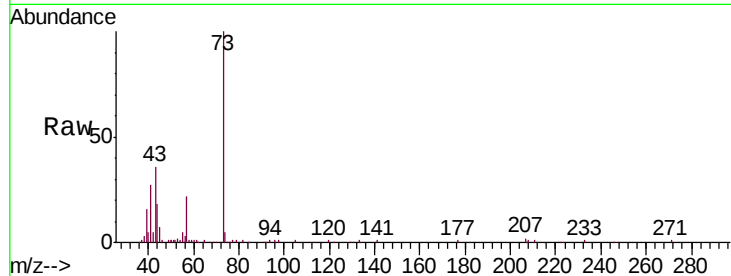


#19

Methyl tert-butyl Ether
 Concen: 17.20 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.01 min
 Lab File: VF059658.D
 Acq: 25 Jul 2018 15:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

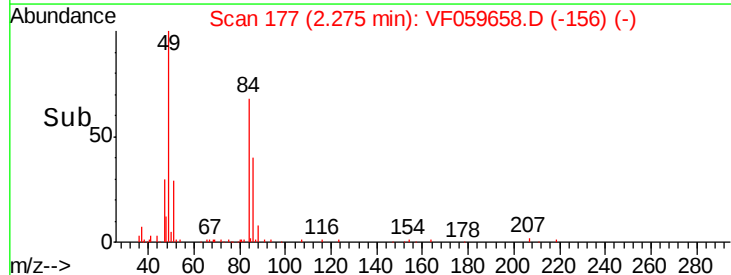
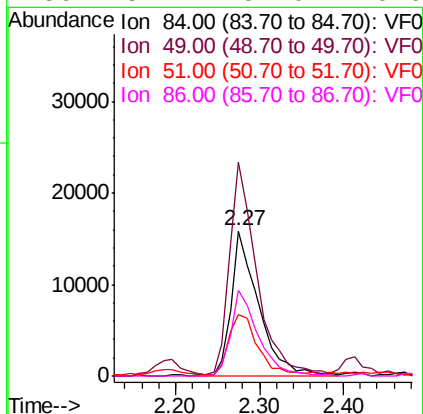
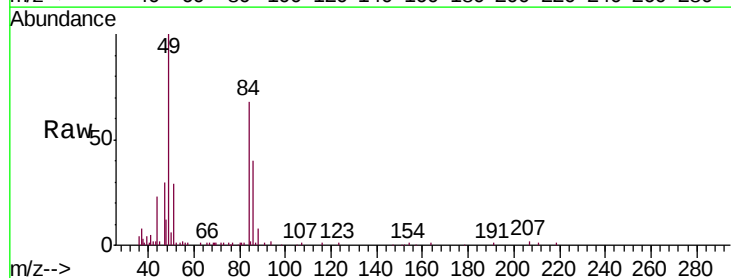
Tot Ion: 73 Resp: 75259
 Ion Ratio Lower Upper
 73 100
 57 21.7 14.2 21.4#

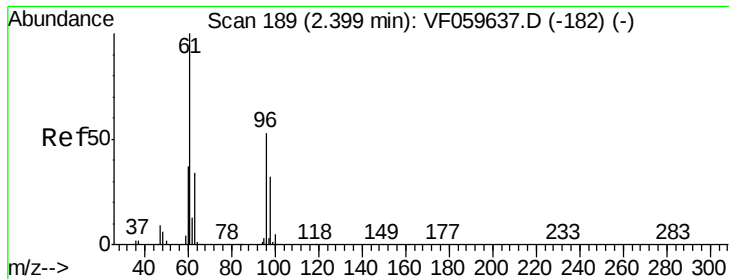


#20

Methylene Chloride
 Concen: 22.41 ug/l
 RT: 2.27 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF059658.D
 Acq: 25 Jul 2018 15:25

Tgt Ion: 84 Resp: 35924
 Ion Ratio Lower Upper
 84 100
 49 142.5 133.8 200.8
 51 40.8 41.1 61.7#
 86 57.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 22.17 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

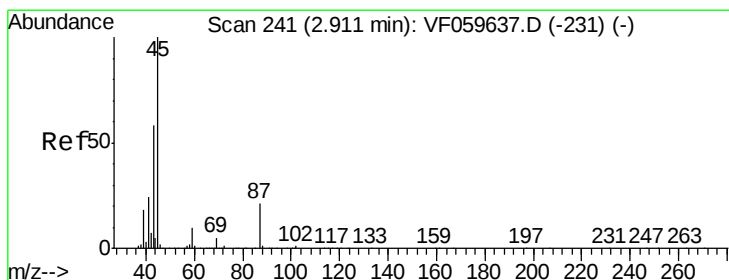
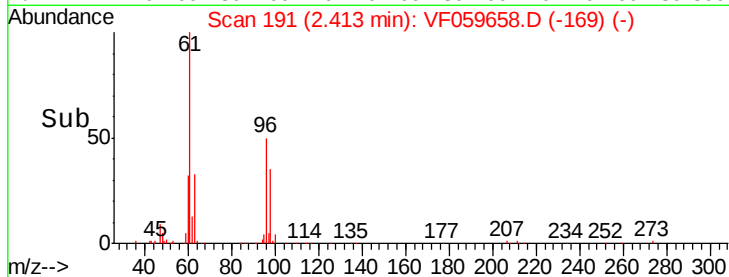
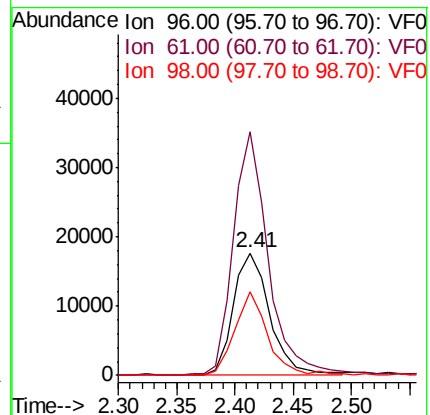
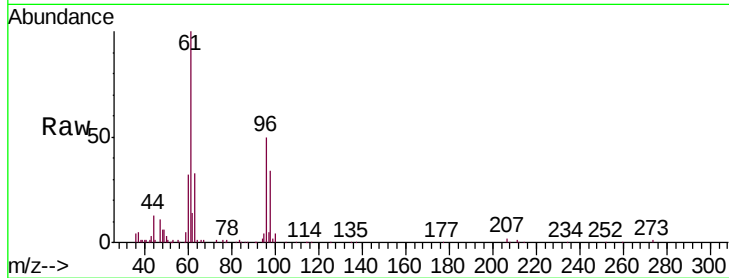
Tot Ion: 96 Resp: 38646

Ion Ratio Lower Upper

96 100

61 199.0 151.4 227.2

98 68.3 49.0 73.6



#22

Diisopropyl ether

Concen: 20.88 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Tgt Ion: 45 Resp: 115241

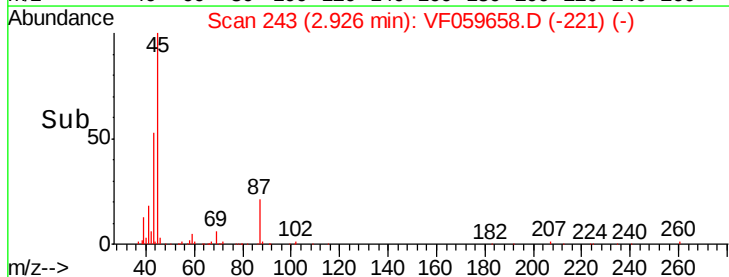
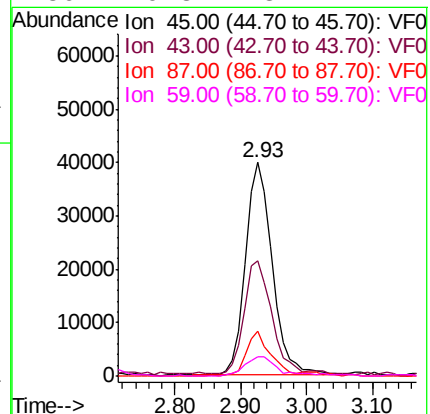
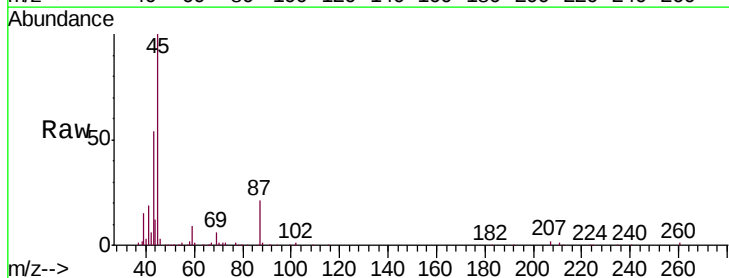
Ion Ratio Lower Upper

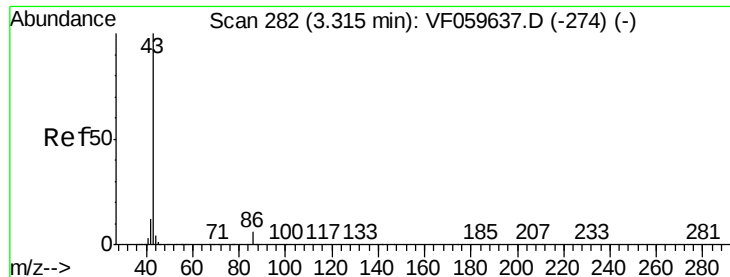
45 100

43 54.0 46.5 69.7

87 21.1 16.5 24.7

59 9.3 8.2 12.2





#23

Vinyl Acetate

Concen: 87.61 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

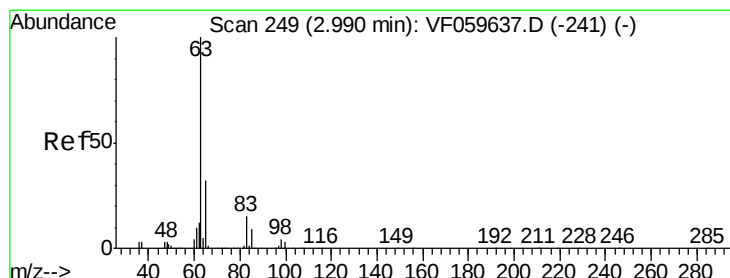
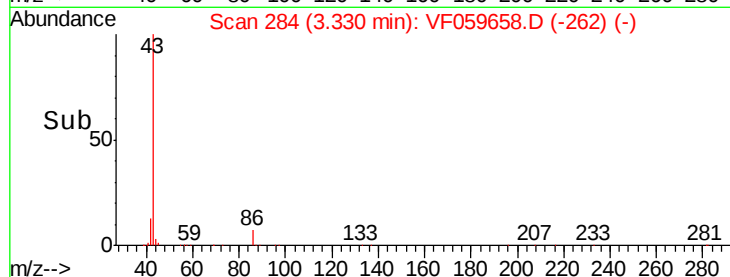
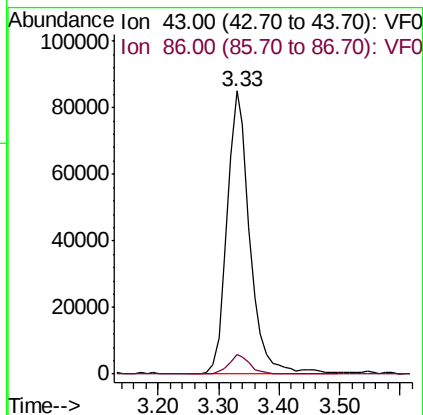
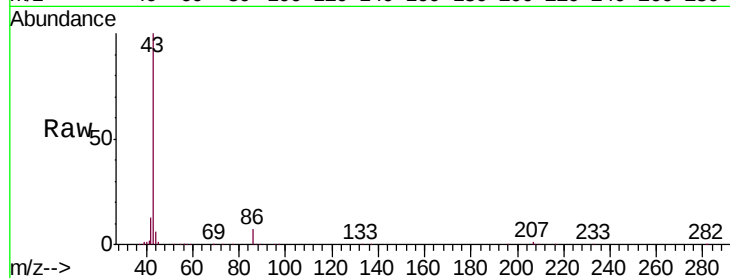
VF0725SBS01

Tot Ion: 43 Resp: 223039

Ion Ratio Lower Upper

43 100

86 6.9 4.5 6.7#



#24

1,1-Dichloroethane

Concen: 21.40 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

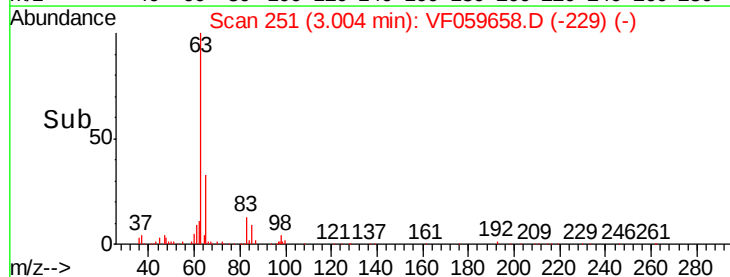
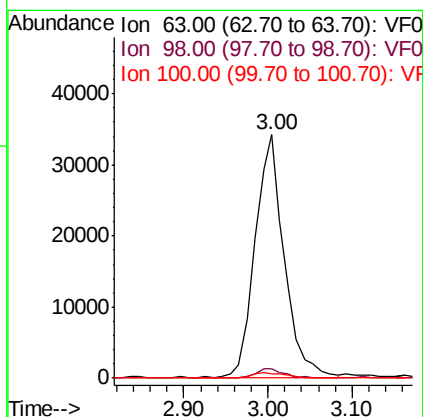
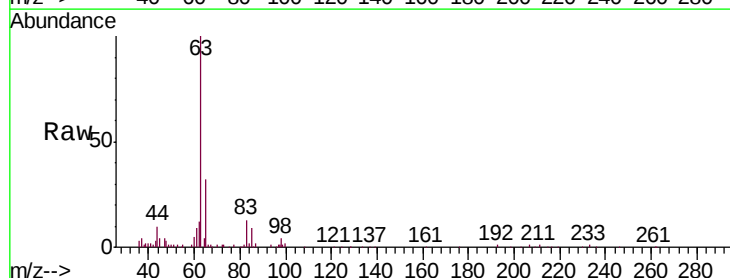
Tgt Ion: 63 Resp: 84029

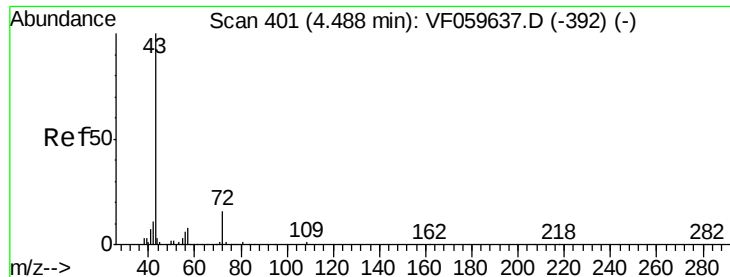
Ion Ratio Lower Upper

63 100

98 4.9 1.8 5.5

100 1.9 1.3 3.9





#25

2-Butanone

Concen: 93.42 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.02 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

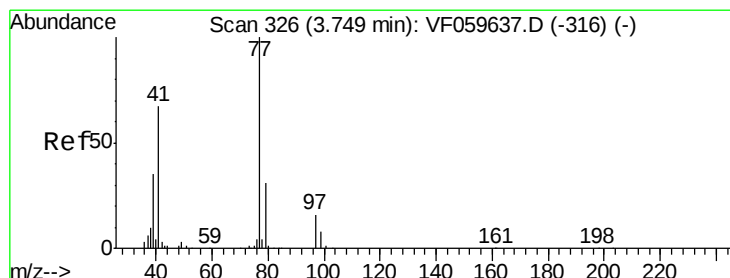
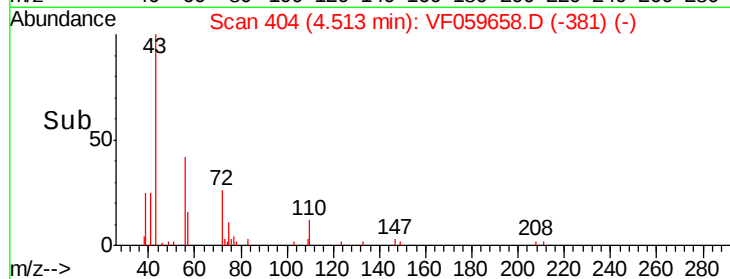
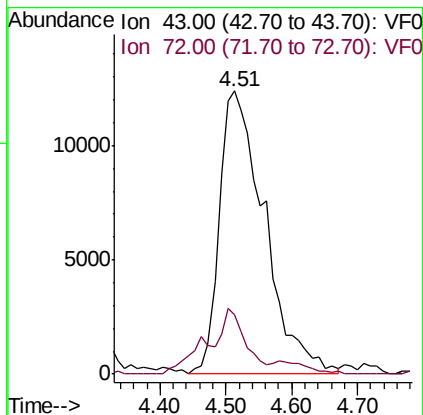
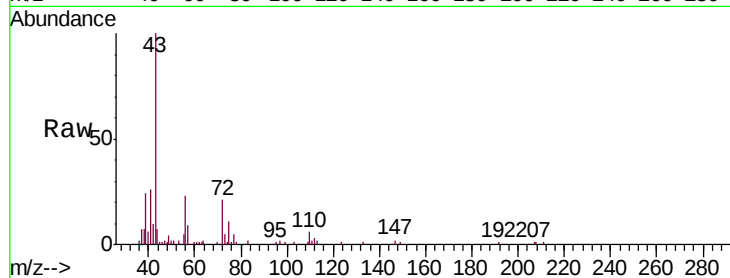
VF0725SBS01

Tot Ion: 43 Resp: 59287

Ion Ratio Lower Upper

43 100

72 21.0 13.5 20.3#



#26

2,2-Dichloropropane

Concen: 28.01 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF059658.D

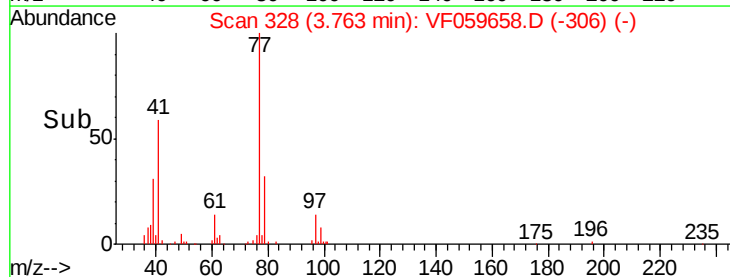
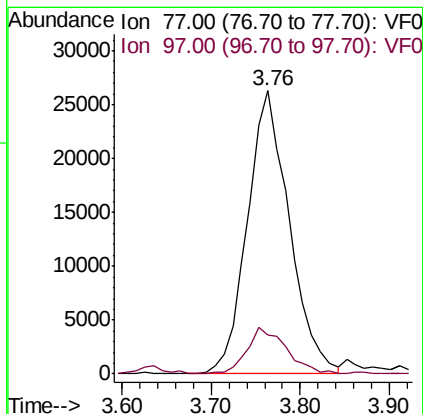
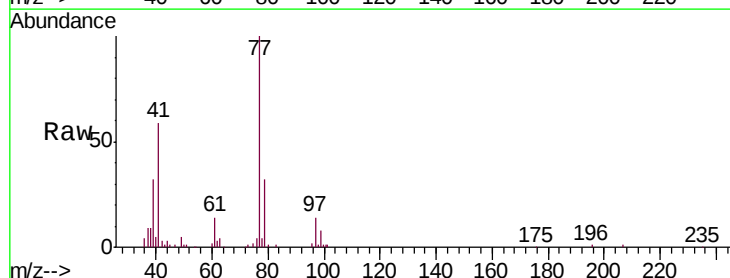
Acq: 25 Jul 2018 15:25

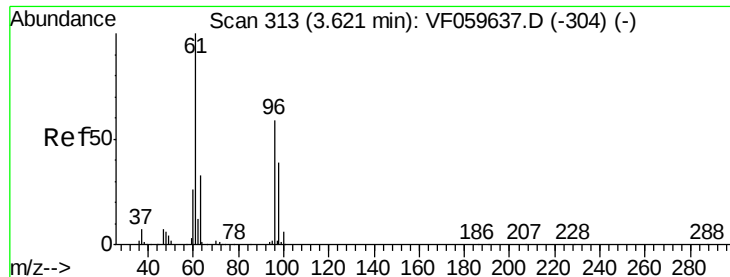
Tgt Ion: 77 Resp: 85468

Ion Ratio Lower Upper

77 100

97 13.6 7.8 23.3



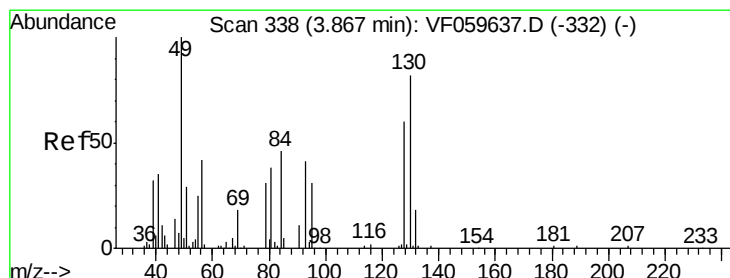
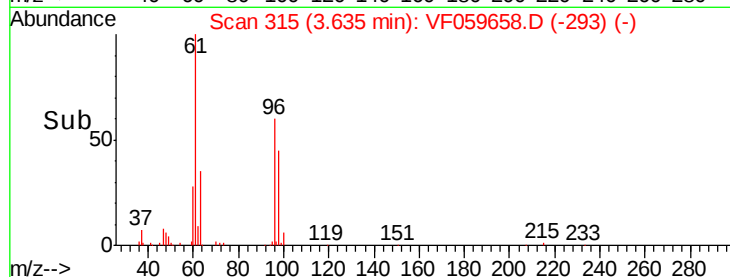
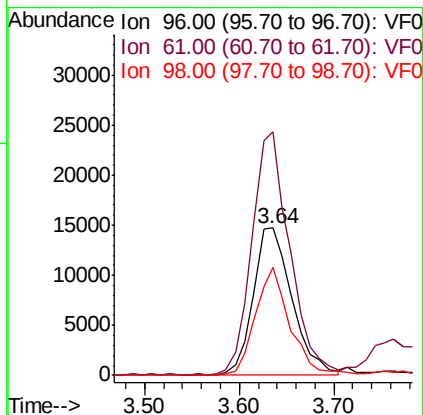
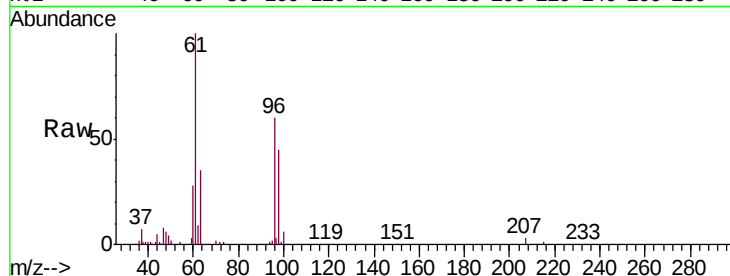


#27

cis-1,2-Dichloroethene
Concen: 19.90 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.01 min
Lab File: VF059658.D
Acq: 25 Jul 2018 15:25

Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

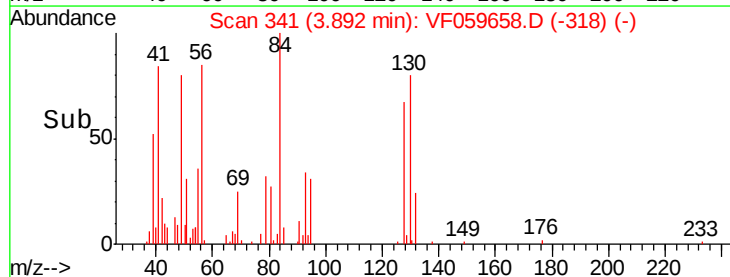
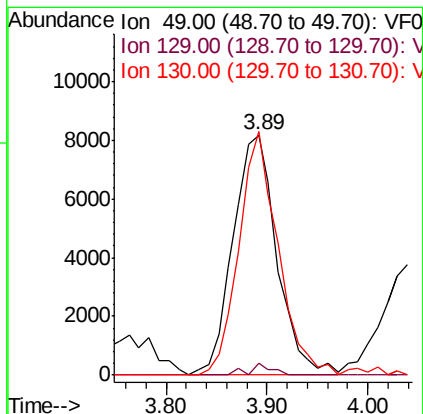
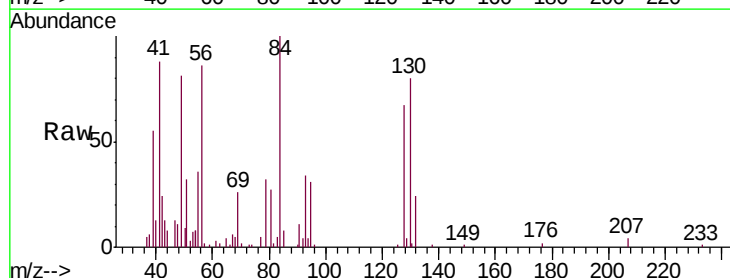
Tot Ion	Ratio	Lower	Upper
96	100		
61	158.0	0.0	337.4
98	70.3	0.0	132.8

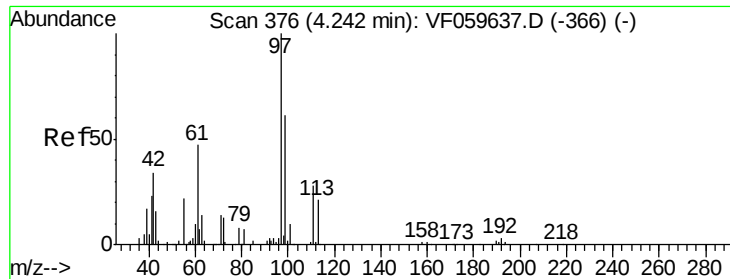


#28

Bromochloromethane
Concen: 16.43 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.02 min
Lab File: VF059658.D
Acq: 25 Jul 2018 15:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	5.0	0.0	4.6#
130	101.4	65.0	97.4#





#29

Tetrahydrofuran

Concen: 74.69 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

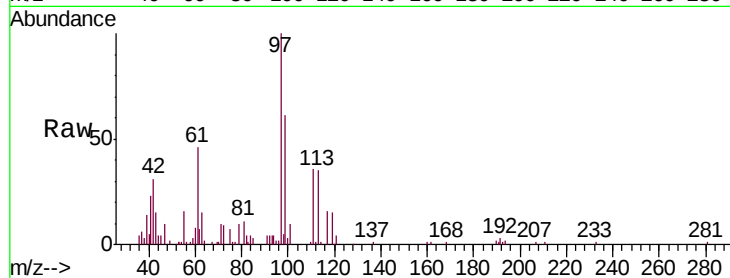
Tot Ion: 42 Resp: 20509

Ion Ratio Lower Upper

42 100

72 39.4 30.0 45.0

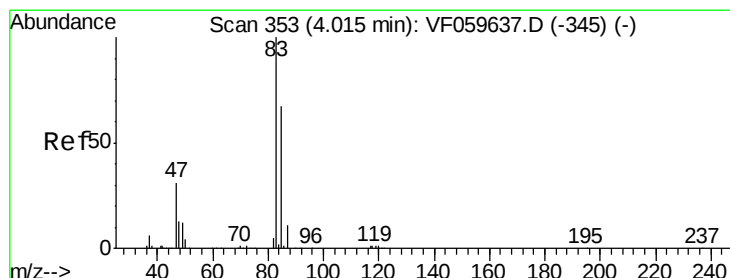
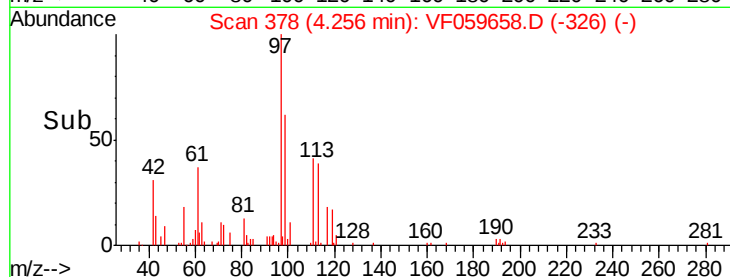
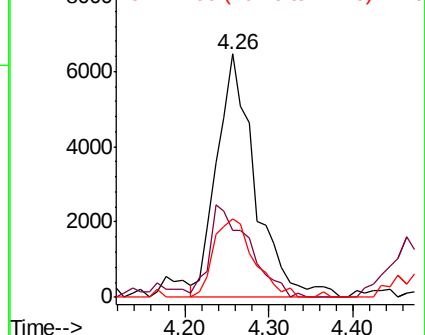
71 33.6 28.6 42.8



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: 19.32 ug/l

RT: 4.03 min Scan# 355

Delta R.T. 0.01 min

Lab File: VF059658.D

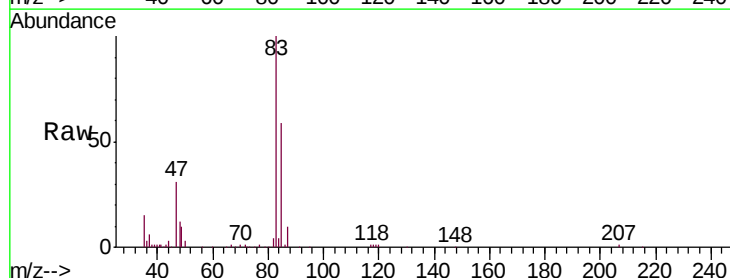
Acq: 25 Jul 2018 15:25

Tgt Ion: 83 Resp: 105240

Ion Ratio Lower Upper

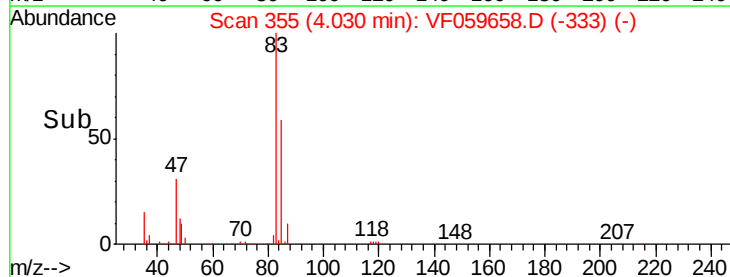
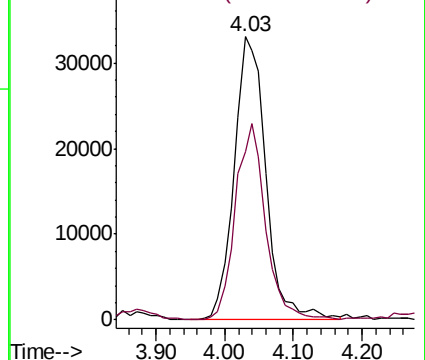
83 100

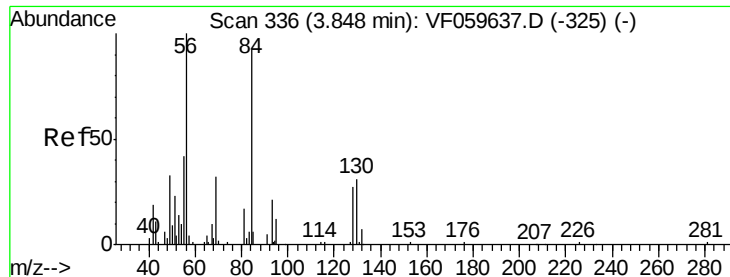
85 59.4 53.8 80.8



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

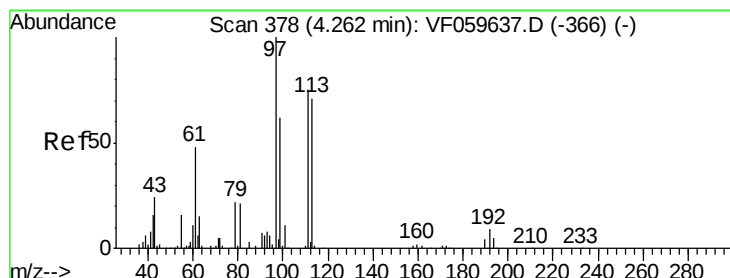
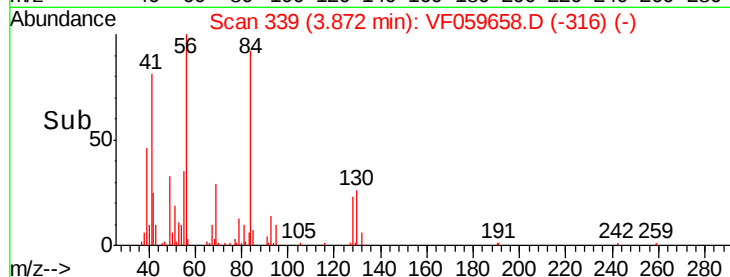
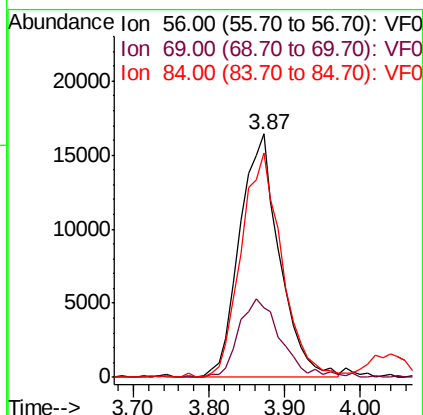
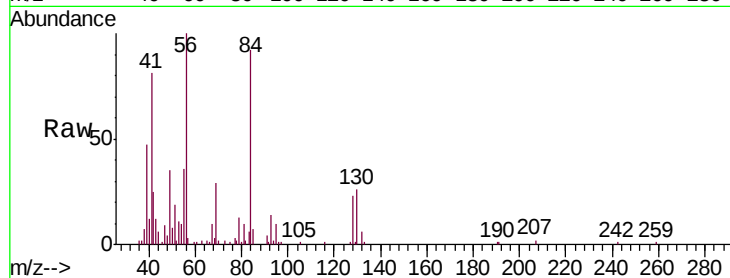




#31
Cyclohexane
Concen: 26.29 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.02 min
Lab File: VF059658.D
Acq: 25 Jul 2018 15:25

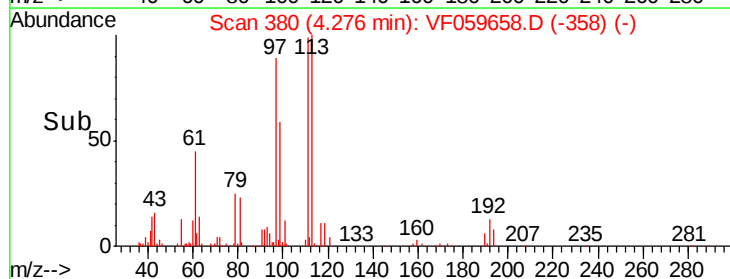
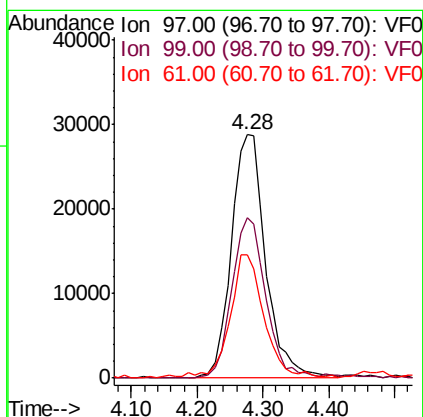
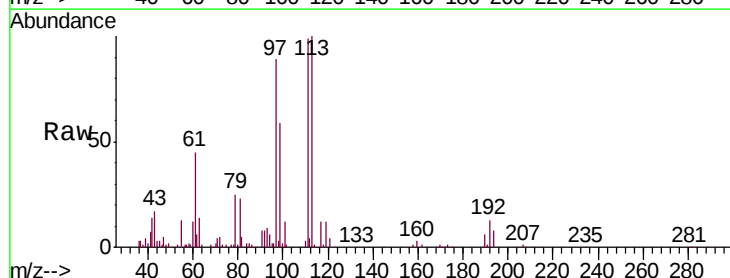
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

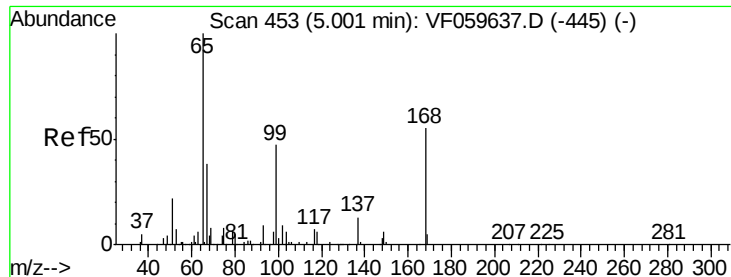
Tot Ion: 56 Resp: 60080
Ion Ratio Lower Upper
56 100
69 28.6 26.0 39.0
84 92.3 73.5 110.3



#32
1,1,1-Trichloroethane
Concen: 22.73 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF059658.D
Acq: 25 Jul 2018 15:25

Tgt Ion: 97 Resp: 105530
Ion Ratio Lower Upper
97 100
99 65.8 49.8 74.6
61 50.5 38.9 58.3

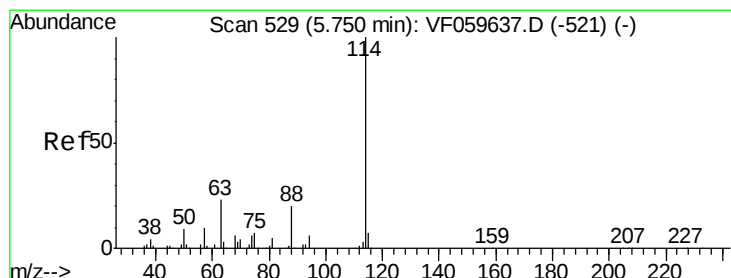
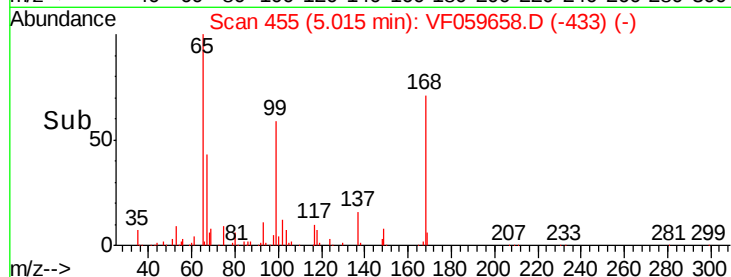
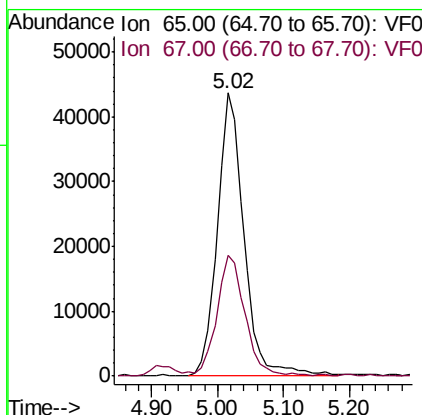
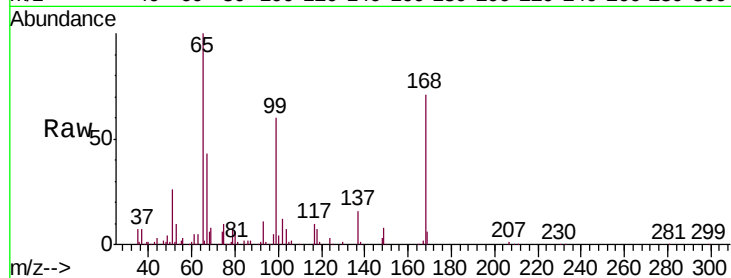




#33
 1,2-Dichloroethane-d4
 Concen: 36.37 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.01 min
 Lab File: VF059658.D
 Acq: 25 Jul 2018 15:25

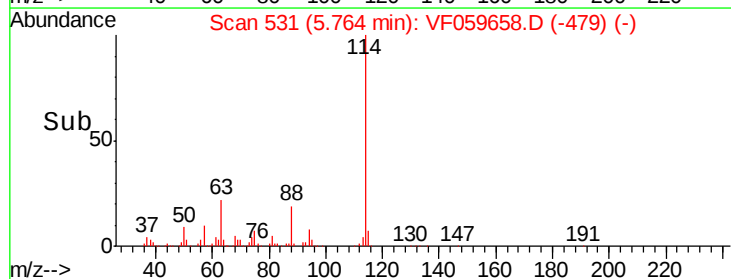
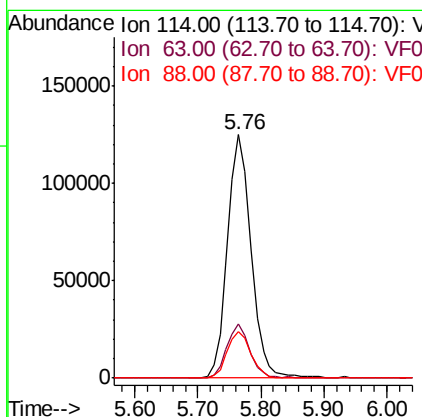
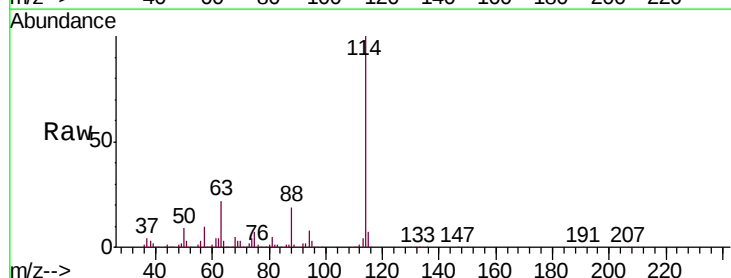
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

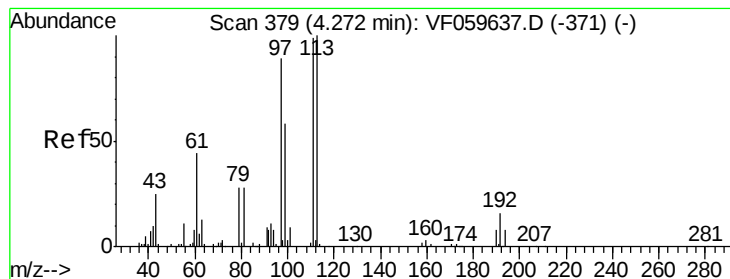
Tot Ion: 65 Resp: 122944
 Ion Ratio Lower Upper
 65 100
 67 42.9 0.0 86.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VF059658.D
 Acq: 25 Jul 2018 15:25

Tgt Ion: 114 Resp: 324916
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.6
 88 19.3 0.0 40.8





#35

Dibromofluoromethane

Concen: 45.32 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.02 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

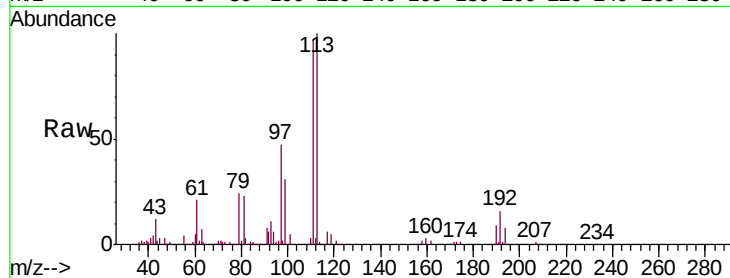
Tot Ion:113 Resp: 132530

Ion Ratio Lower Upper

113 100

111 96.5 79.3 118.9

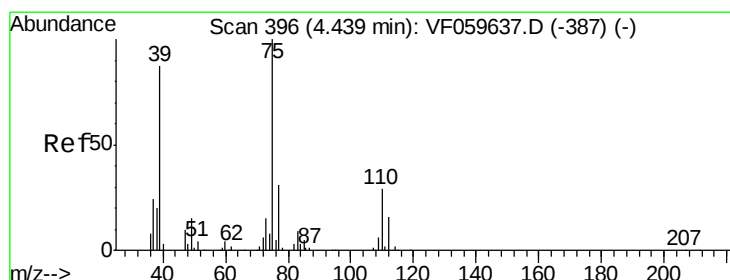
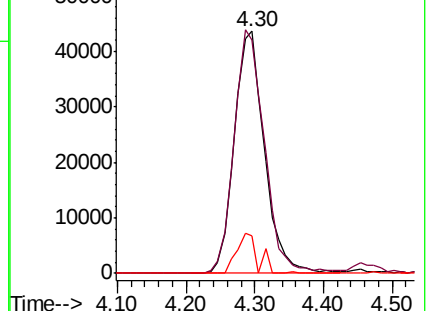
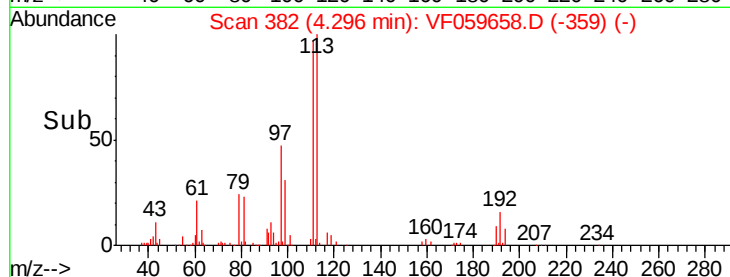
192 15.5 13.4 20.2



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: 23.50 ug/l

RT: 4.45 min Scan# 398

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

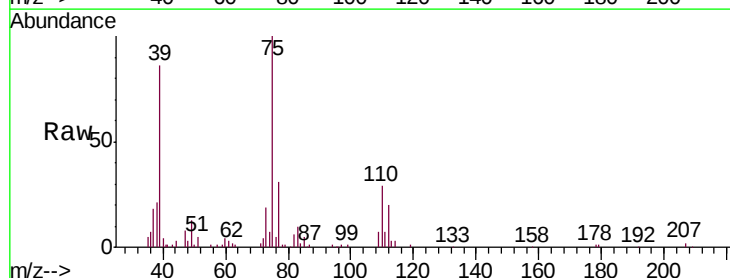
Tgt Ion: 75 Resp: 78226

Ion Ratio Lower Upper

75 100

110 28.5 14.6 43.8

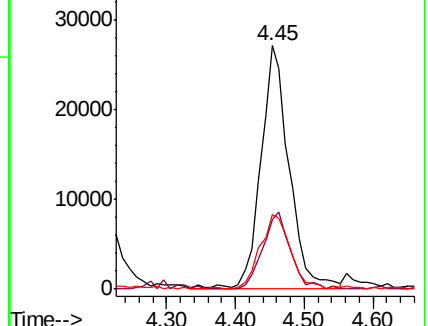
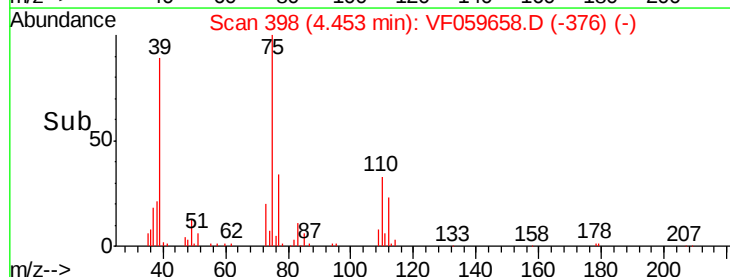
77 30.6 24.4 36.6

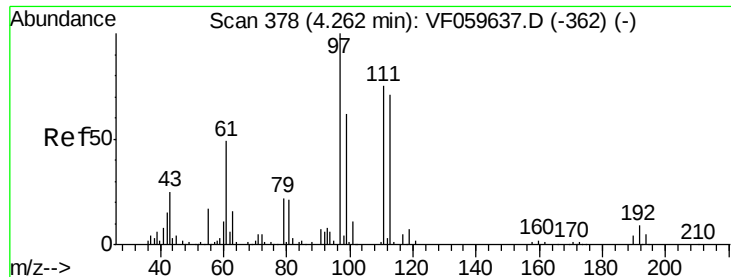


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

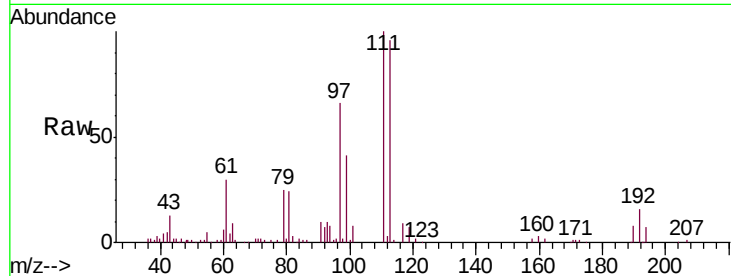




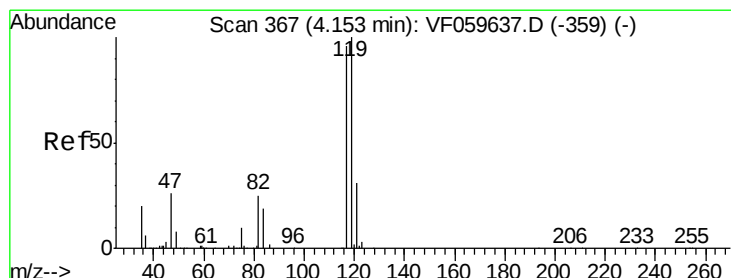
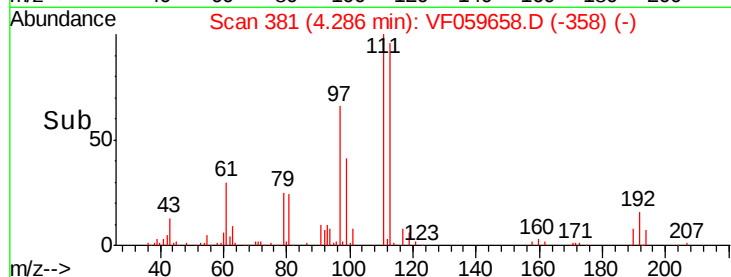
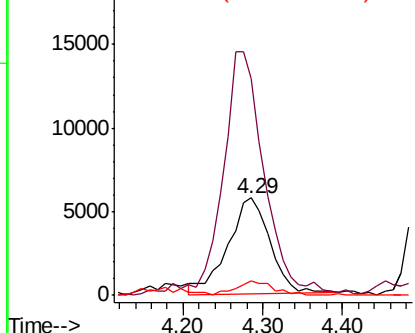
#37
Ethyl Acetate
Concen: 15.32 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.02 min
Lab File: VF059658.D
Acq: 25 Jul 2018 15:25

Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

Tot Ion: 43 Resp: 21048
Ion Ratio Lower Upper
43 100
61 223.3 156.6 234.8
70 15.0 7.3 10.9#

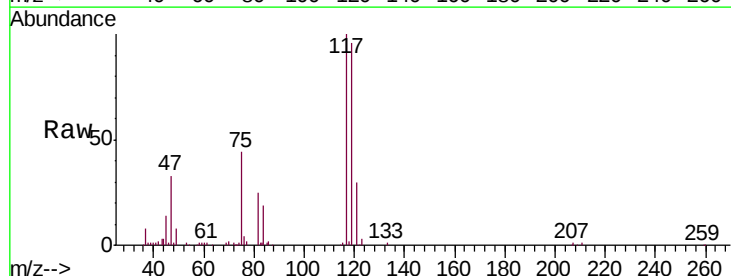


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

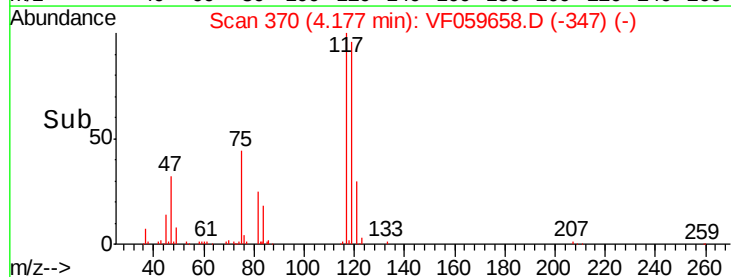
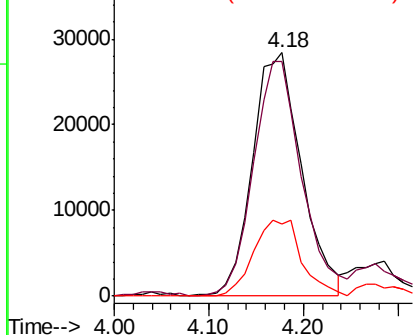


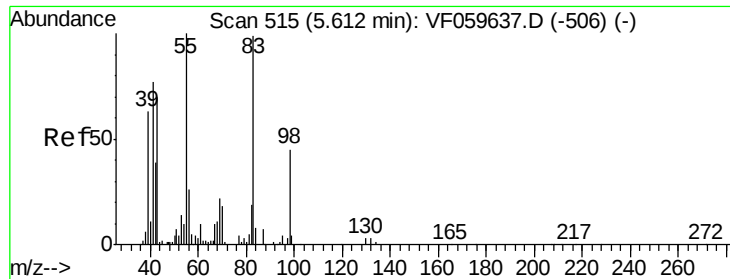
#38
Carbon Tetrachloride
Concen: 22.27 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.02 min
Lab File: VF059658.D
Acq: 25 Jul 2018 15:25

Tgt Ion: 117 Resp: 102309
Ion Ratio Lower Upper
117 100
119 96.1 83.0 124.6
121 29.7 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

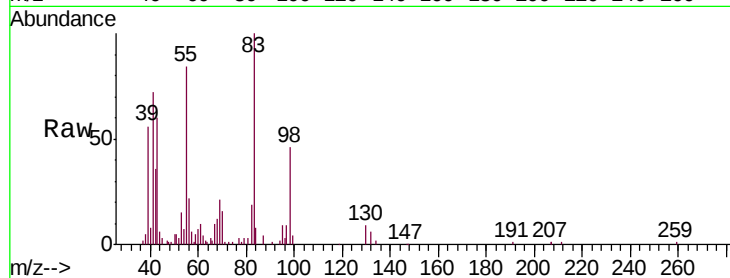




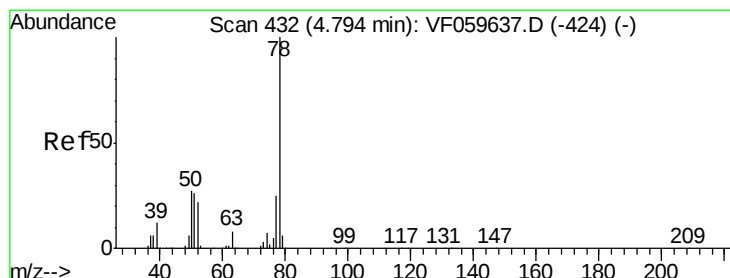
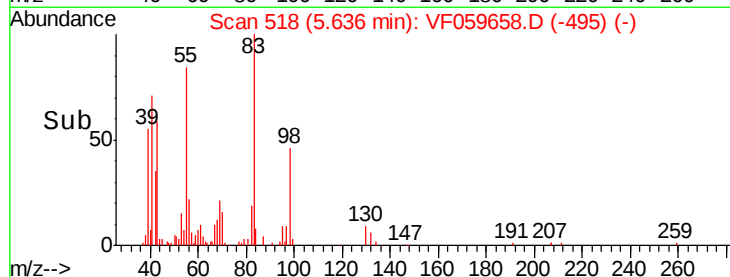
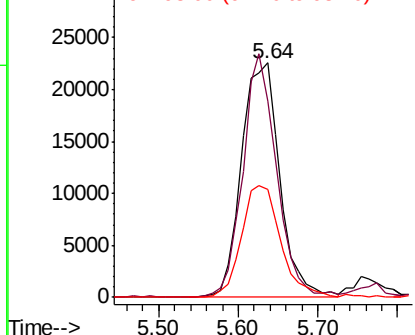
#39
Methvlcvclohexane
Concen: 27.73 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.02 min
Lab File: VF059658.D
Acq: 25 Jul 2018 15:25

Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

Tot Ion: 83 Resp: 74872
Ion Ratio Lower Upper
83 100
55 83.6 81.5 122.3
98 46.0 36.7 55.1

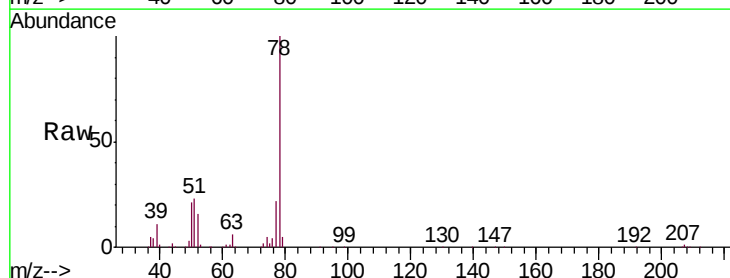


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

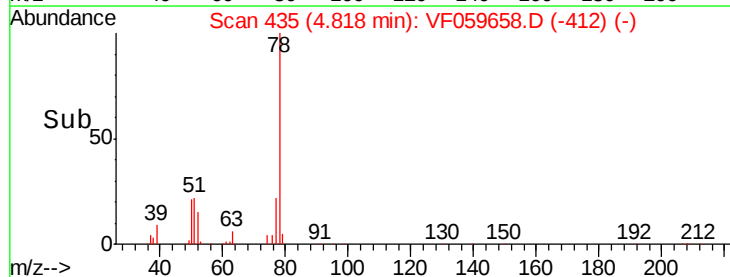
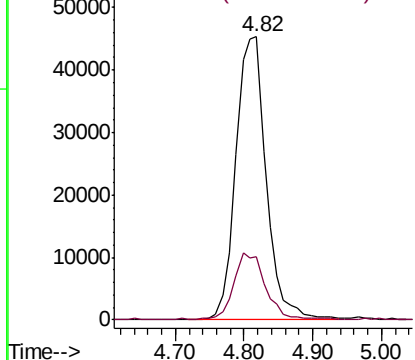


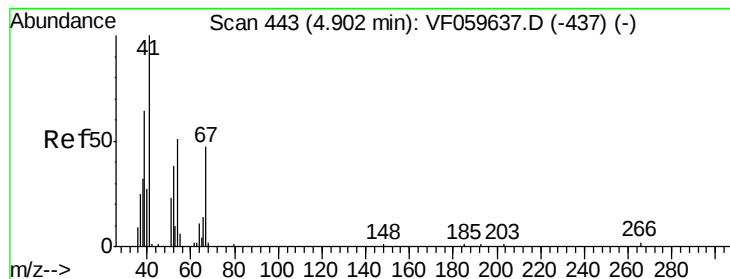
#40
Benzene
Concen: 22.51 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.02 min
Lab File: VF059658.D
Acq: 25 Jul 2018 15:25

Tgt Ion: 78 Resp: 138631
Ion Ratio Lower Upper
78 100
77 22.2 19.8 29.6



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 16.31 ug/l

RT: 4.92 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

Tot Ion: 41 Resp: 10157

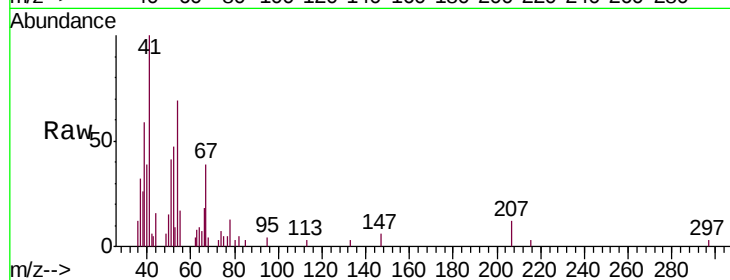
Ion Ratio Lower Upper

41 100

39 59.0 56.9 85.3

67 39.4 36.6 54.8

52 46.6 42.6 63.8

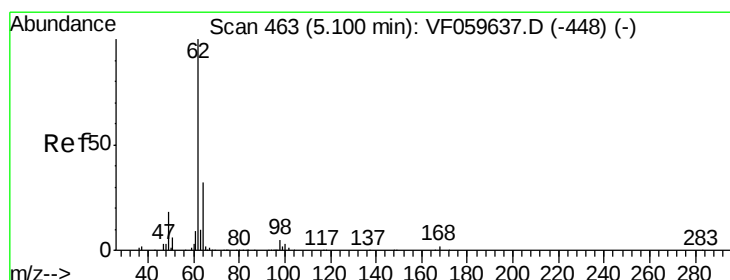
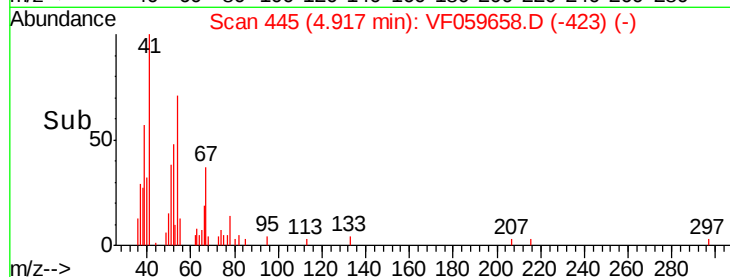
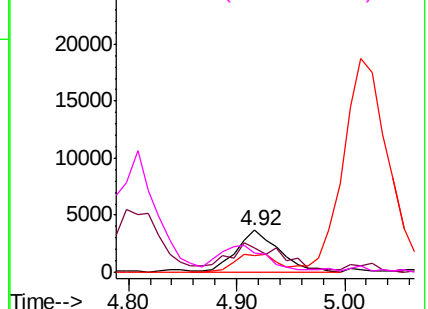


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 16.41 ug/l

RT: 5.11 min Scan# 465

Delta R.T. 0.01 min

Lab File: VF059658.D

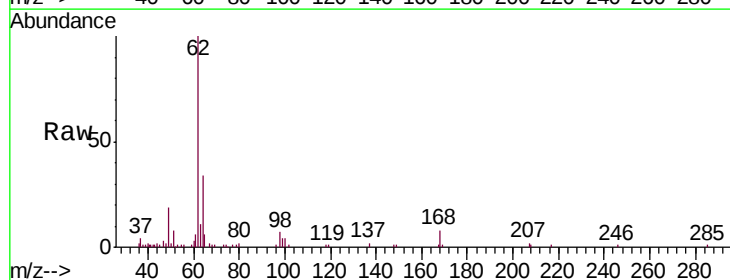
Acq: 25 Jul 2018 15:25

Tgt Ion: 62 Resp: 59861

Ion Ratio Lower Upper

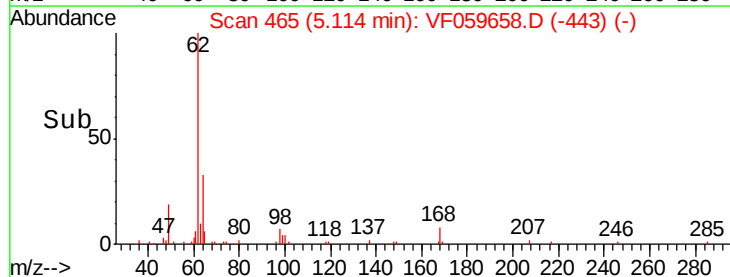
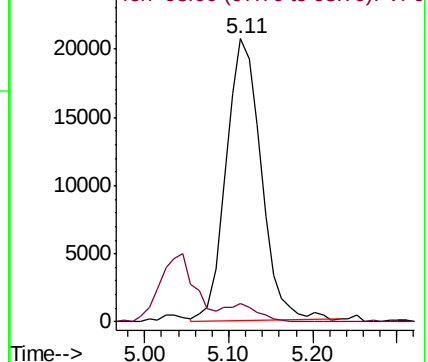
62 100

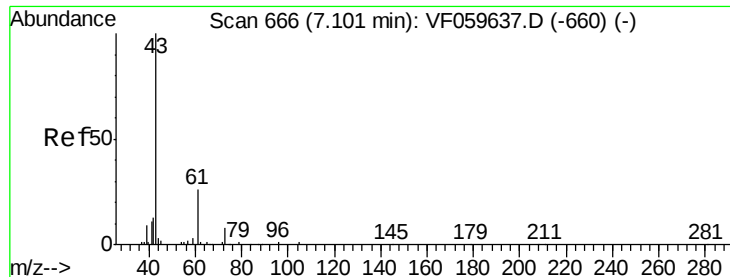
98 6.5 0.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 14.23 ug/l

RT: 7.11 min Scan# 668

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

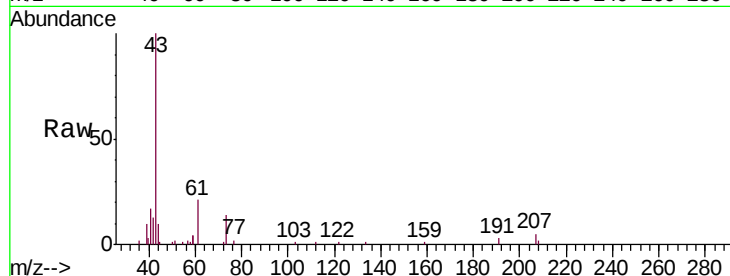
Tot Ion: 43 Resp: 20834

Ion Ratio Lower Upper

43 100

61 21.5 20.5 30.7

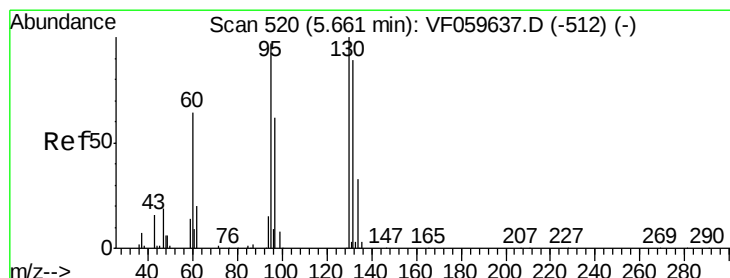
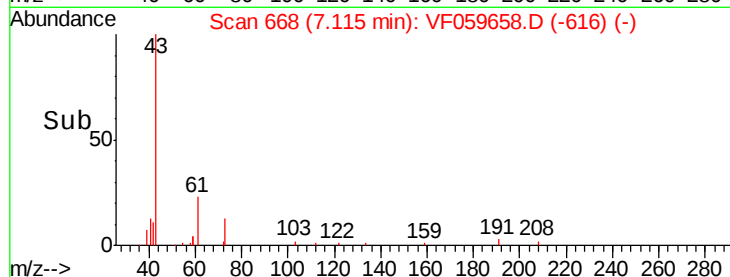
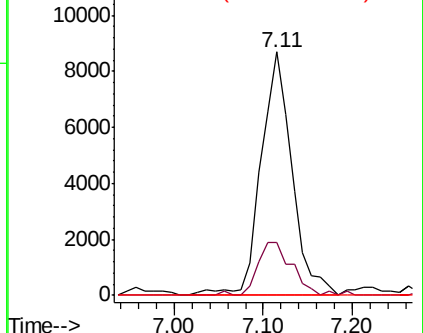
87 0.0 0.4 0.6#



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: 24.17 ug/l

RT: 5.68 min Scan# 522

Delta R.T. 0.01 min

Lab File: VF059658.D

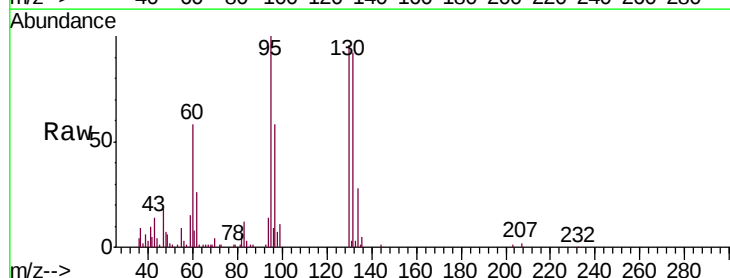
Acq: 25 Jul 2018 15:25

Tgt Ion:130 Resp: 54927

Ion Ratio Lower Upper

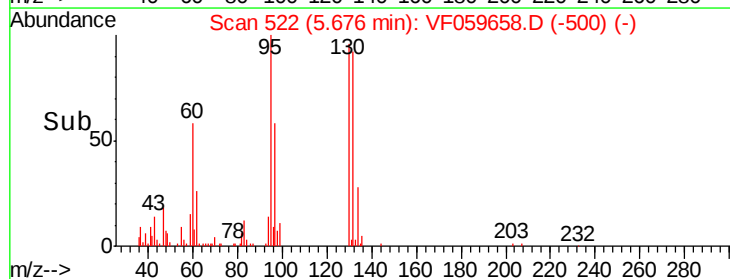
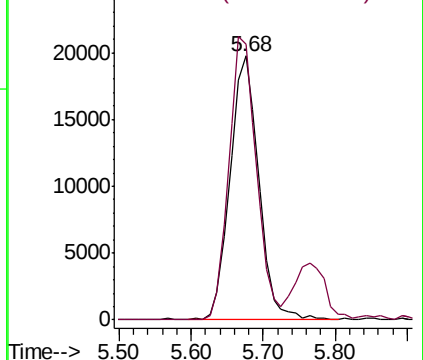
130 100

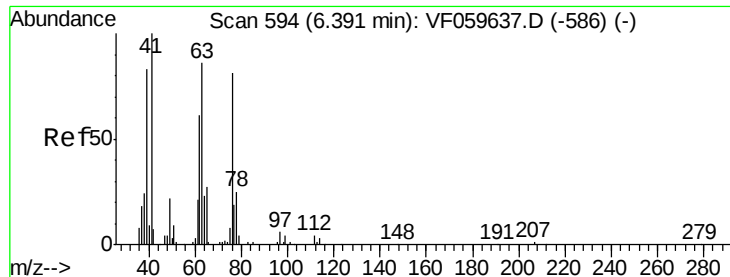
95 104.6 0.0 193.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 19.12 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

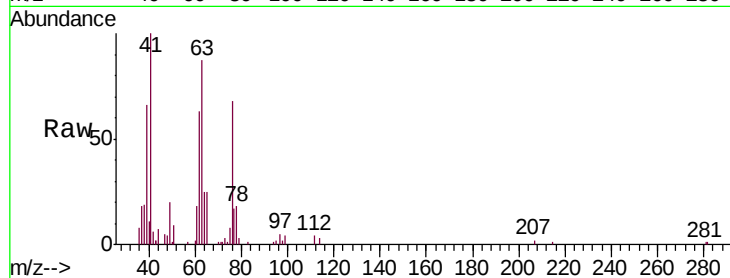
VF0725SBS01

Tot Ion: 63 Resp: 29811

Ion Ratio Lower Upper

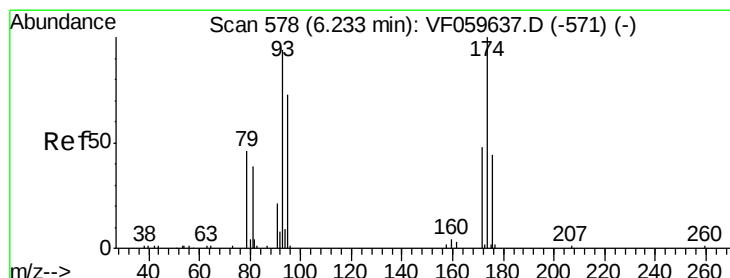
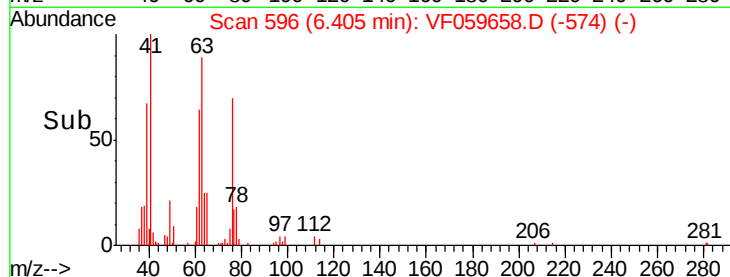
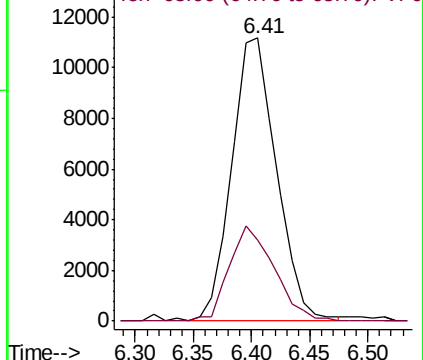
63 100

65 28.4 25.1 37.7



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 16.97 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

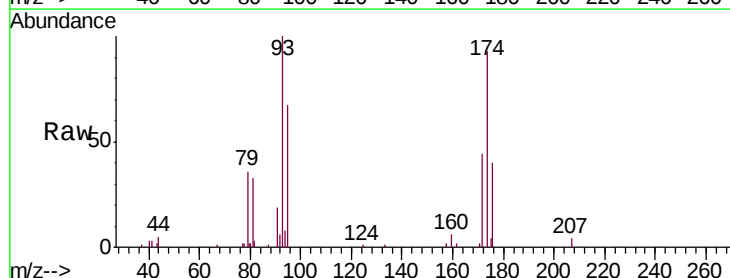
Tgt Ion: 93 Resp: 22342

Ion Ratio Lower Upper

93 100

95 67.1 63.1 94.7

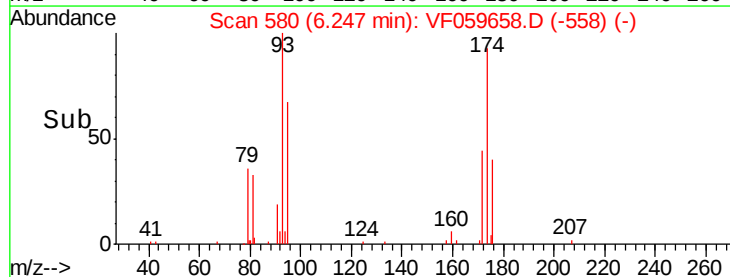
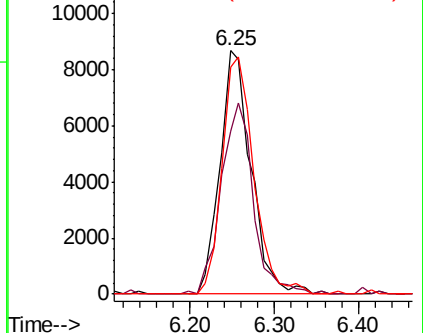
174 93.3 85.3 127.9

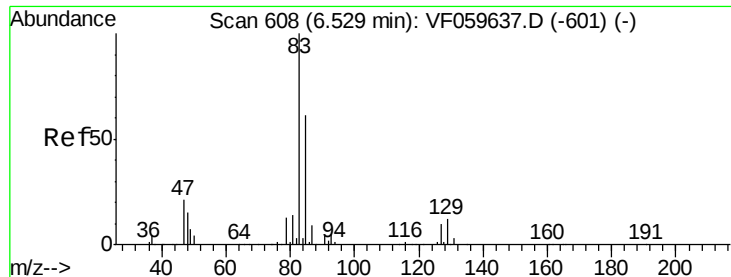


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 17.93 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.02 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

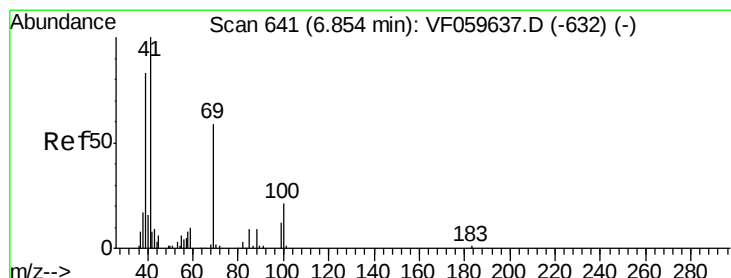
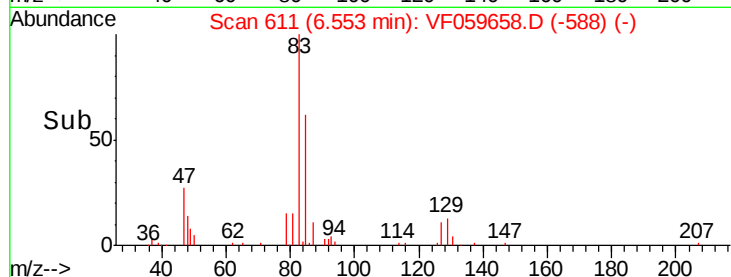
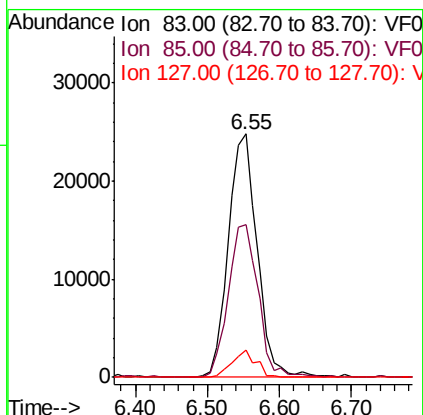
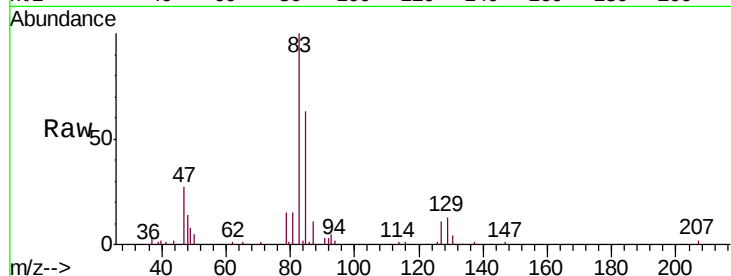
Tot Ion: 83 Resp: 69058

Ion Ratio Lower Upper

83 100

85 62.7 48.6 72.8

127 11.2 7.7 11.5



#48

Methyl methacrylate

Concen: 14.88 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.02 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

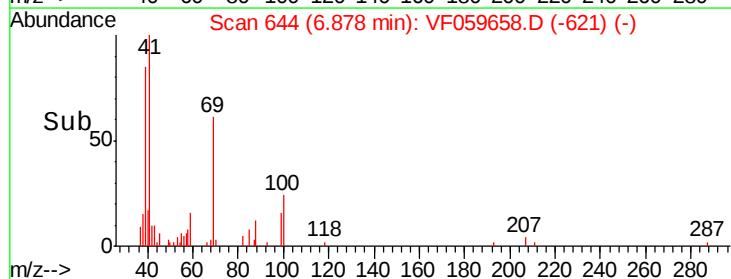
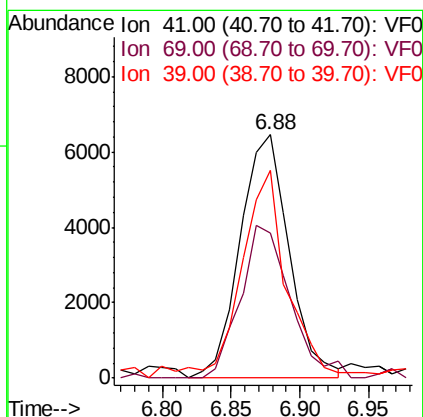
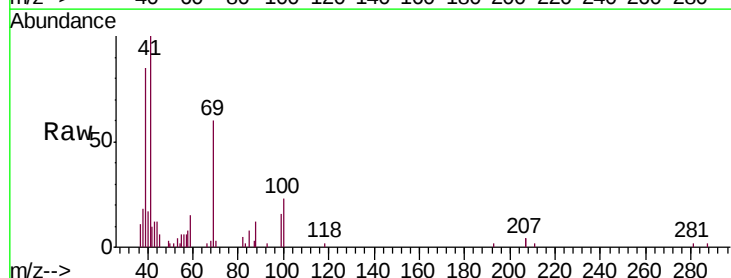
Tgt Ion: 41 Resp: 16038

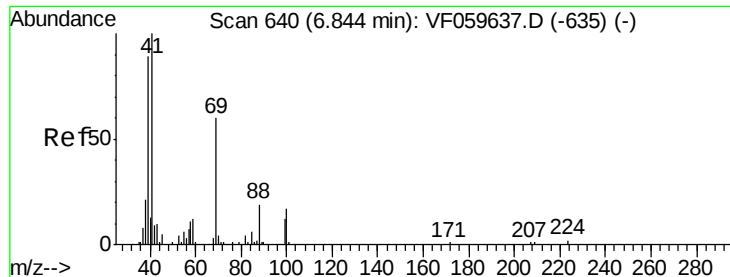
Ion Ratio Lower Upper

41 100

69 59.8 47.5 71.3

39 85.5 67.0 100.6





#49

1,4-Dioxane

Concen: 316.51 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.02 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

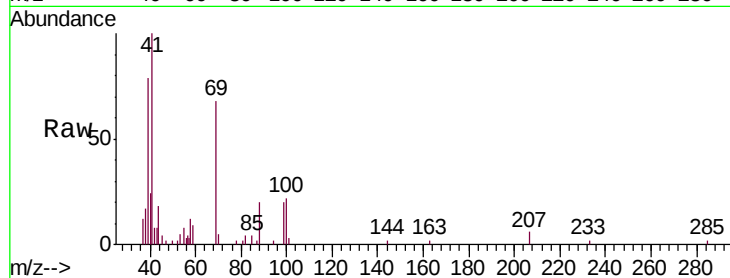
Tot Ion: 88 Resp: 2625

Ion Ratio Lower Upper

88 100

43 39.1 45.3 67.9#

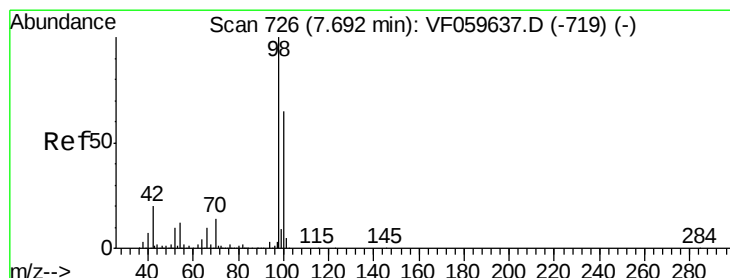
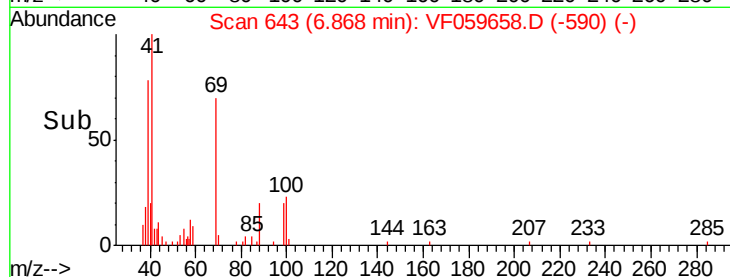
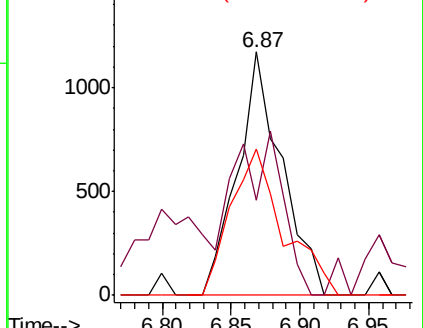
58 59.9 47.7 71.5



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: 50.25 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.01 min

Lab File: VF059658.D

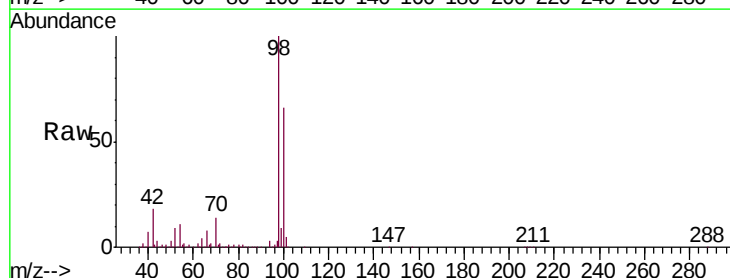
Acq: 25 Jul 2018 15:25

Tgt Ion: 98 Resp: 358139

Ion Ratio Lower Upper

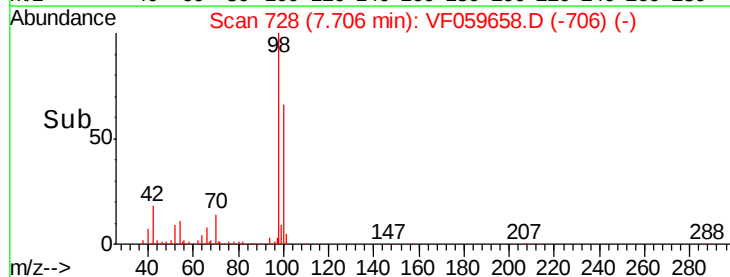
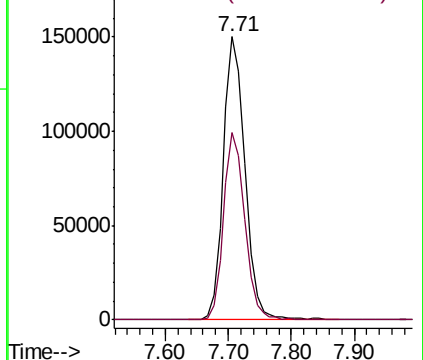
98 100

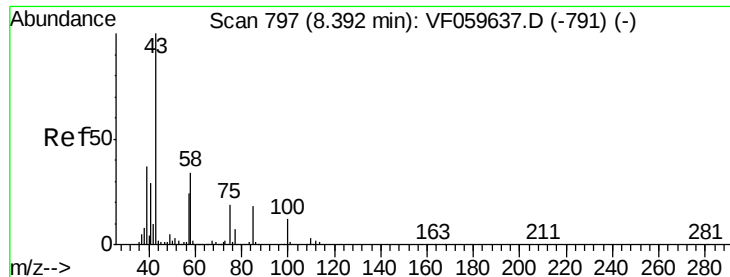
100 66.2 52.2 78.4



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: 78.14 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

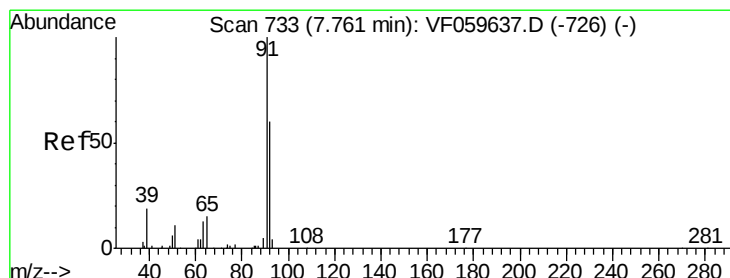
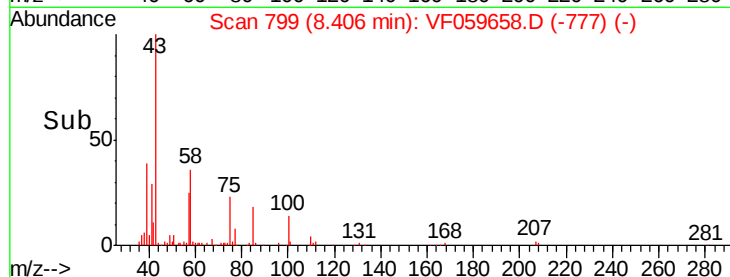
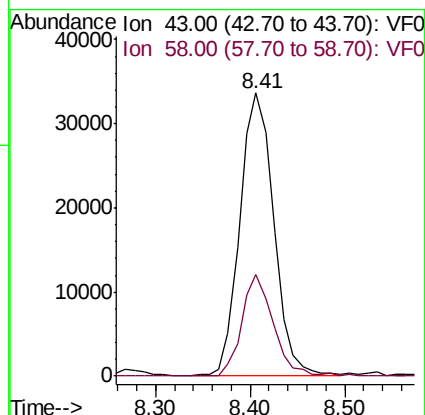
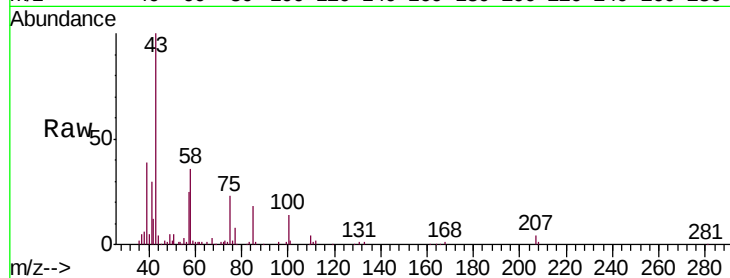
VF0725SBS01

Tot Ion: 43 Resp: 84085

Ion Ratio Lower Upper

43 100

58 35.9 27.3 40.9



#52

Toluene

Concen: 22.14 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF059658.D

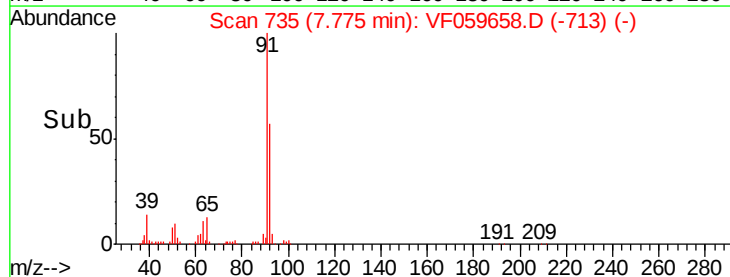
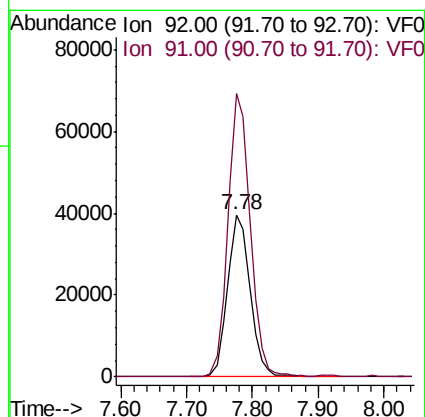
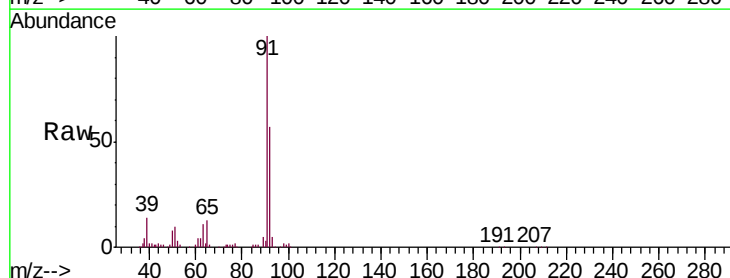
Acq: 25 Jul 2018 15:25

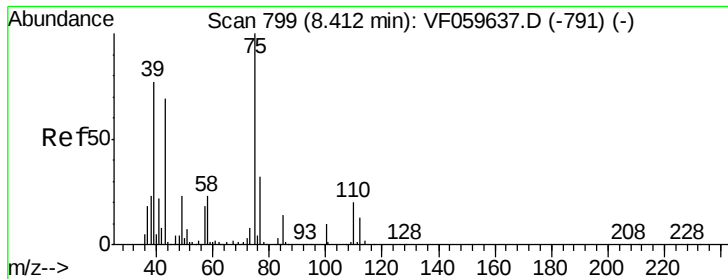
Tgt Ion: 92 Resp: 96099

Ion Ratio Lower Upper

92 100

91 174.7 134.2 201.4

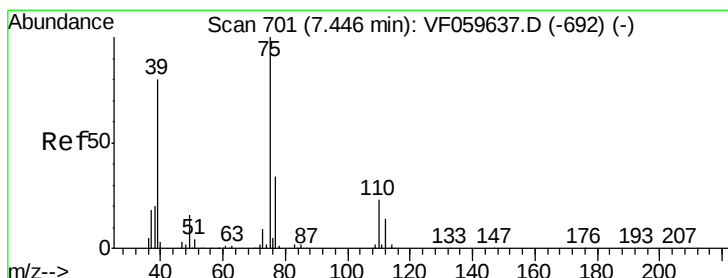
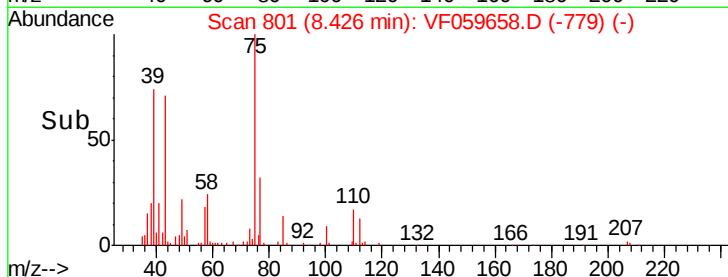
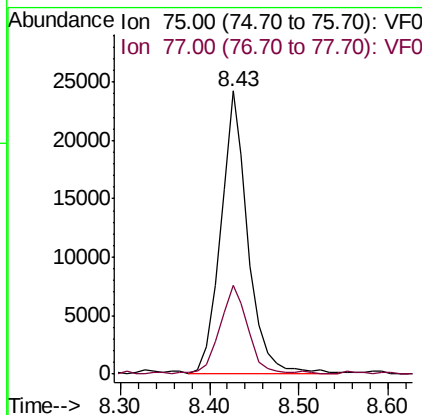
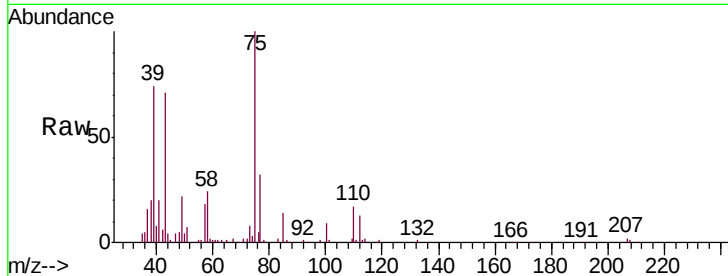




#53
t-1,3-Dichloropropene
Concen: 16.87 ug/l
RT: 8.43 min Scan# 801
Delta R.T. 0.01 min
Lab File: VF059658.D
Acq: 25 Jul 2018 15:25

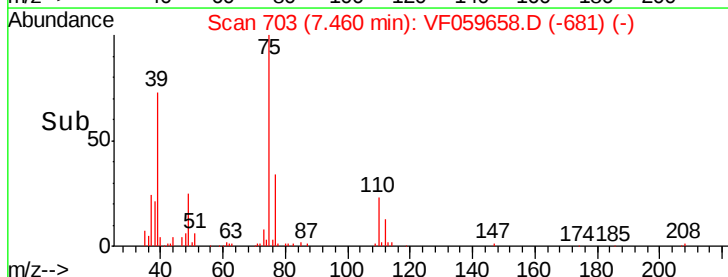
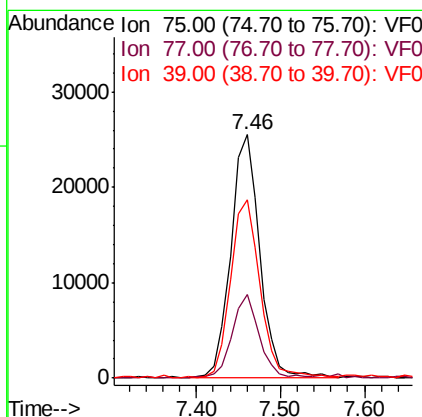
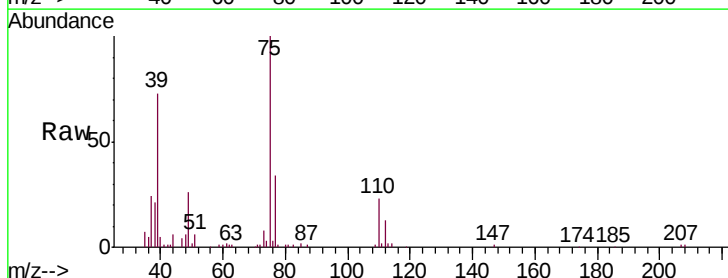
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

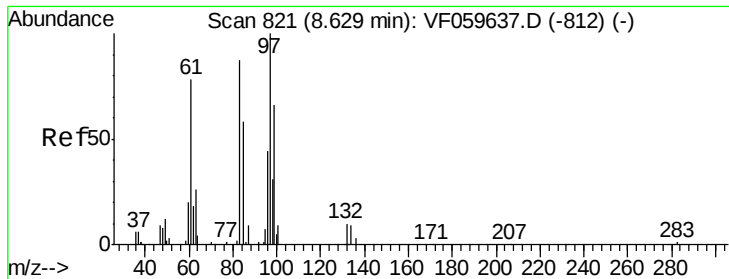
Tot Ion: 75 Resp: 51769
Ion Ratio Lower Upper
75 100
77 31.6 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 18.87 ug/l
RT: 7.46 min Scan# 703
Delta R.T. 0.01 min
Lab File: VF059658.D
Acq: 25 Jul 2018 15:25

Tgt Ion: 75 Resp: 61202
Ion Ratio Lower Upper
75 100
77 34.2 27.5 41.3
39 73.1 64.4 96.6





#55

1,1,2-Trichloroethane

Concen: 16.41 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

Tot Ion: 97 Resp: 22538

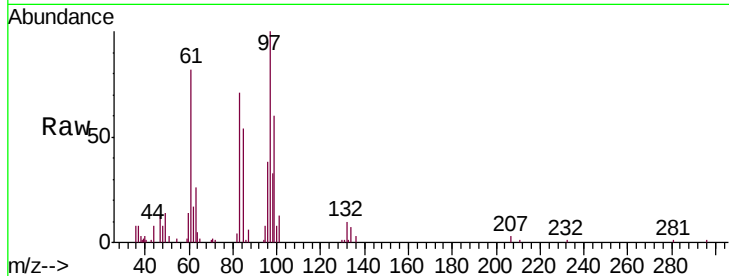
Ion Ratio Lower Upper

97 100

83 70.9 69.5 104.3

85 53.9 46.0 69.0

99 59.8 53.2 79.8

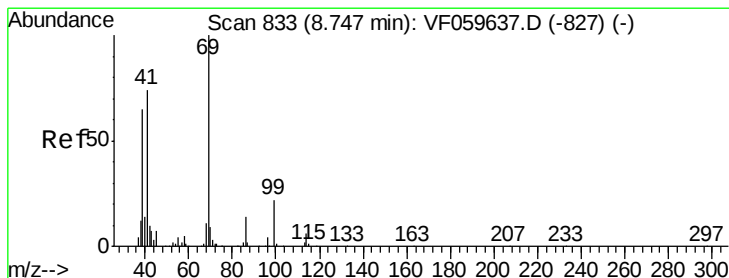
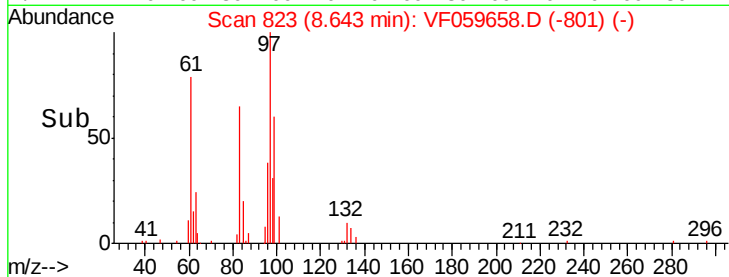
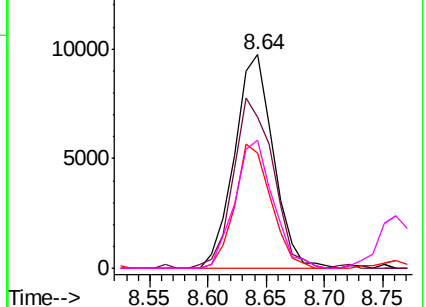


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 14.49 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

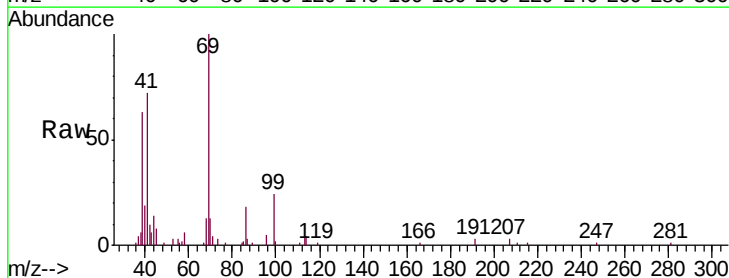
Tgt Ion: 69 Resp: 21273

Ion Ratio Lower Upper

69 100

41 71.6 59.1 88.7

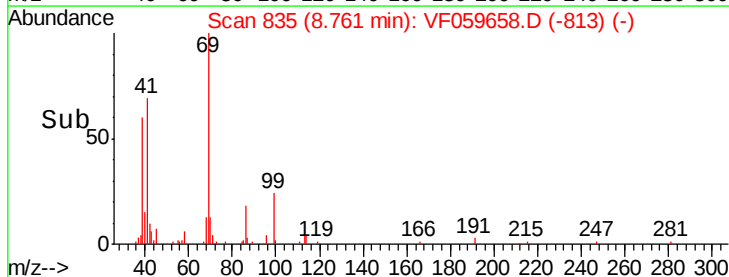
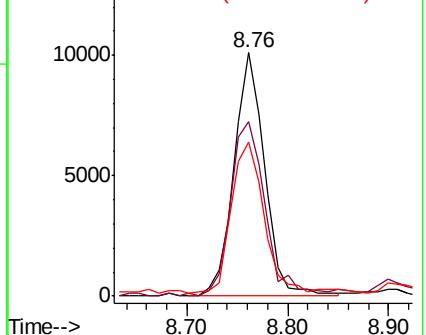
39 63.4 52.4 78.6

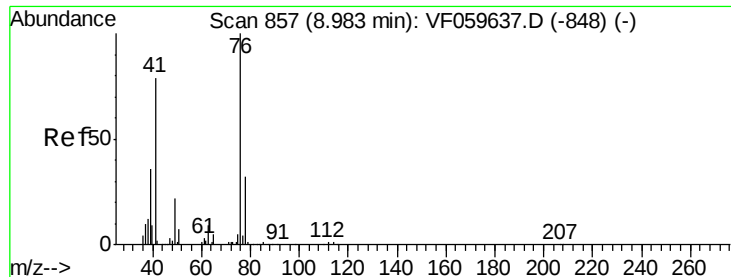


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 16.61 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

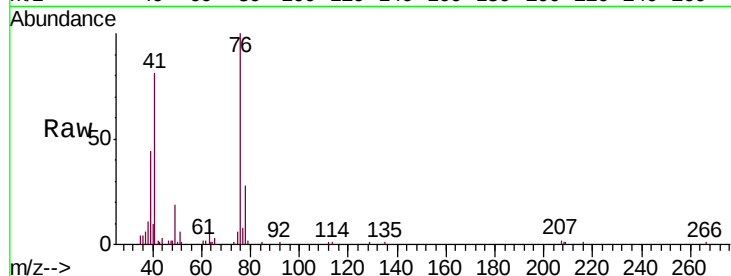
VF0725SBS01

Tot Ion: 76 Resp: 39052

Ion Ratio Lower Upper

76 100

78 28.4 25.5 38.3



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

20000

15000

10000

5000

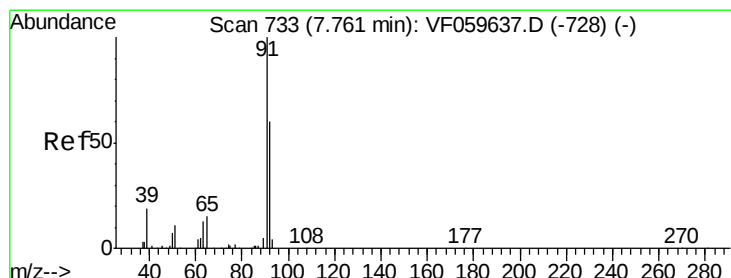
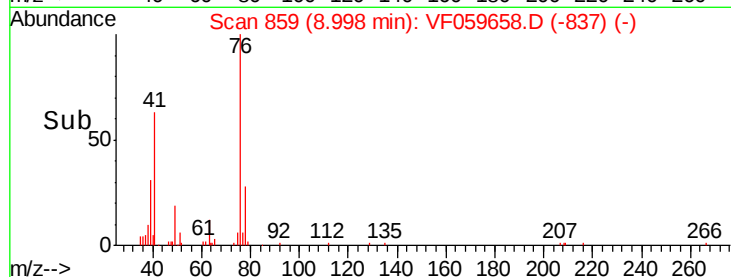
0

8.90

9.00

9.10

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 98.96 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF059658.D

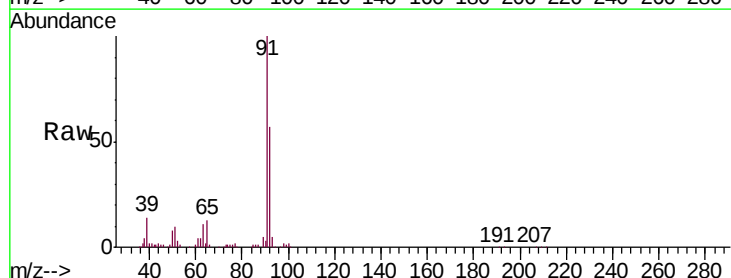
Acq: 25 Jul 2018 15:25

Tgt Ion: 63 Resp: 18643

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

8000

6000

4000

2000

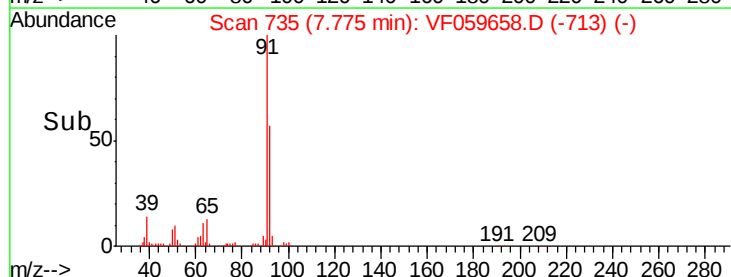
0

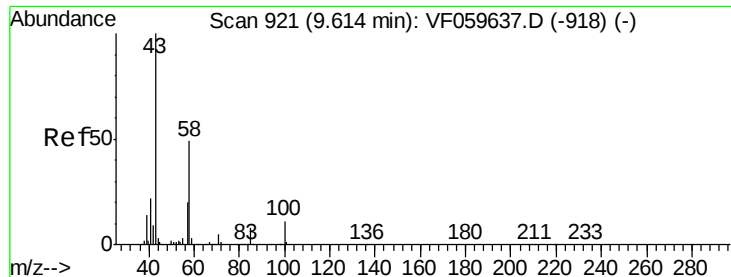
7.70

7.80

7.90

Time-->

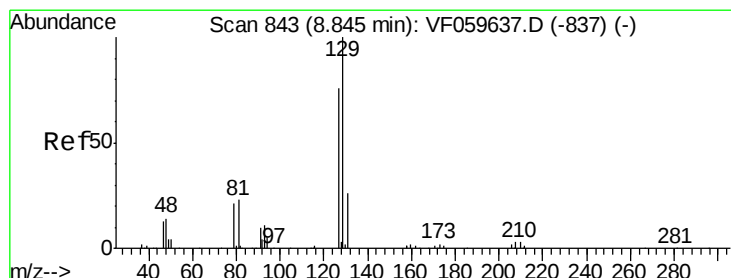
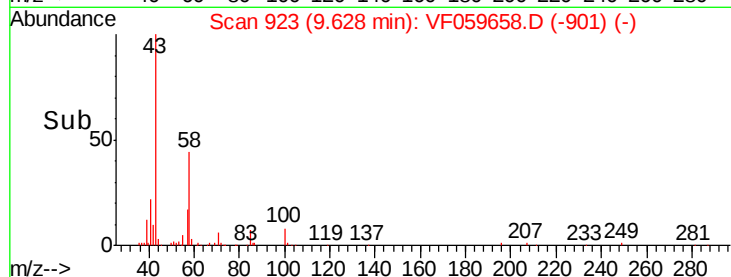
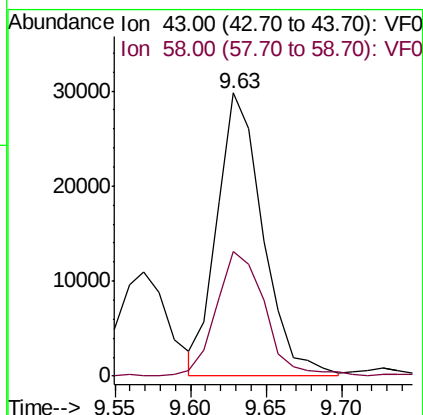
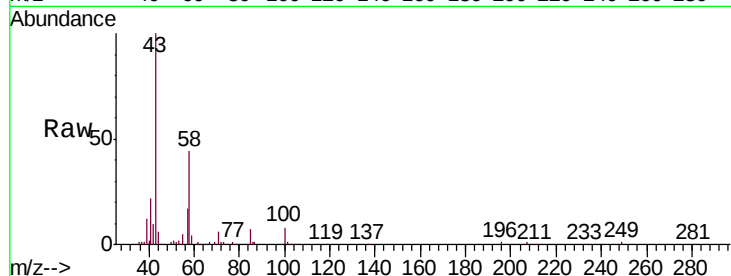




#59
2-Hexanone
Concen: 76.16 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF059658.D
Acq: 25 Jul 2018 15:25

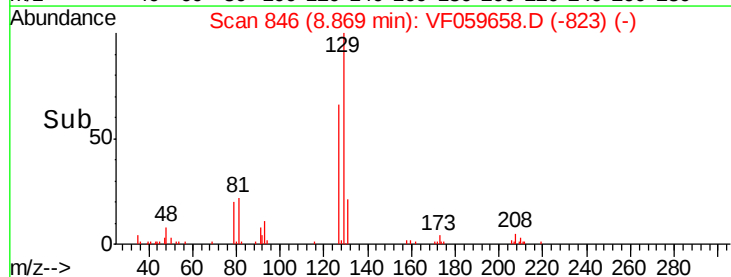
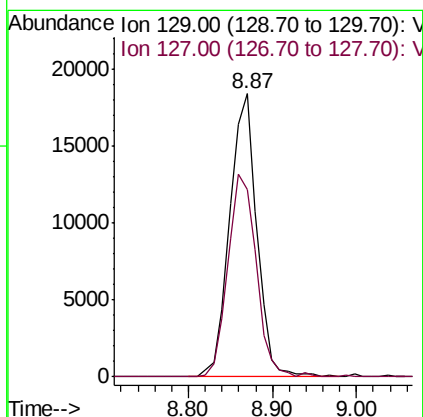
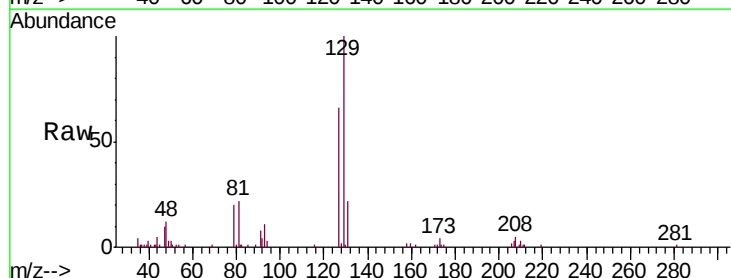
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

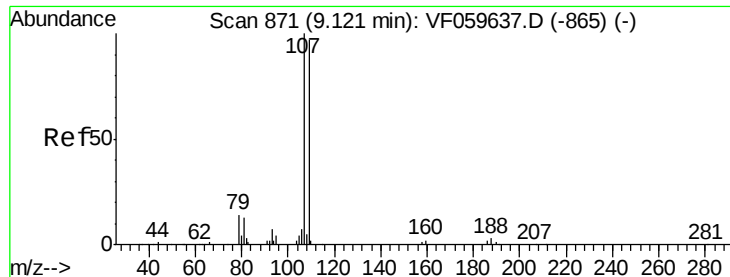
Tot Ion: 43 Resp: 62582
Ion Ratio Lower Upper
43 100
58 44.0 23.6 71.0



#60
Dibromochloromethane
Concen: 16.30 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.02 min
Lab File: VF059658.D
Acq: 25 Jul 2018 15:25

Tgt Ion: 129 Resp: 41380
Ion Ratio Lower Upper
129 100
127 66.3 38.1 114.5





#61

1,2-Dibromoethane

Concen: 16.15 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

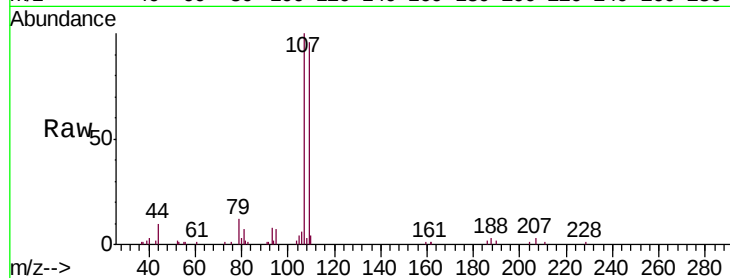
VF0725SBS01

Tot Ion:107 Resp: 27072

Ion Ratio Lower Upper

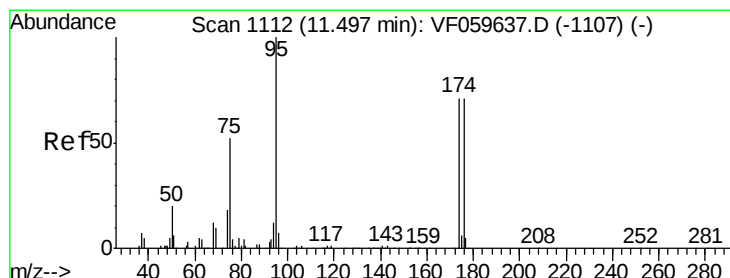
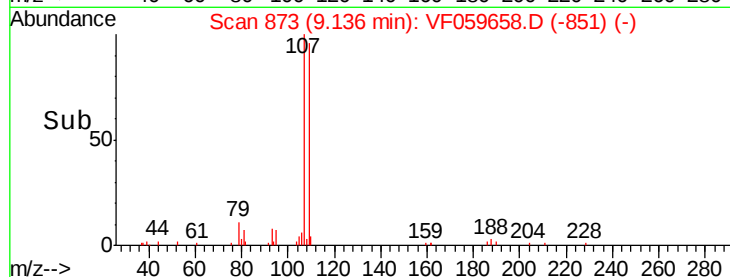
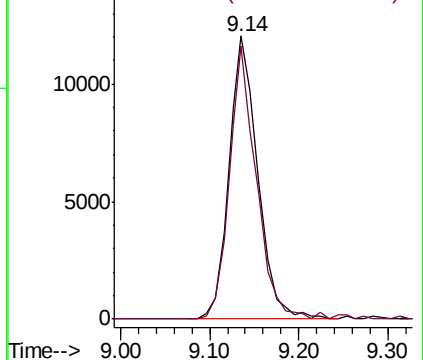
107 100

109 96.4 77.3 115.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 42.51 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

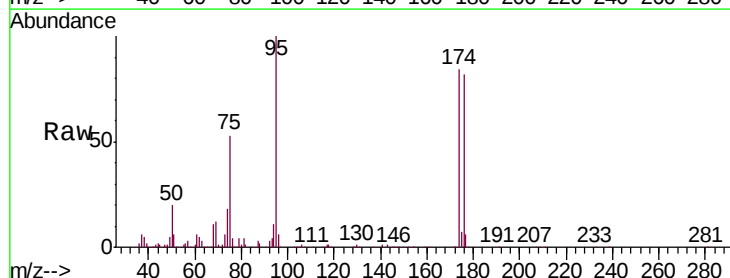
Tgt Ion: 95 Resp: 155664

Ion Ratio Lower Upper

95 100

174 83.6 0.0 141.8

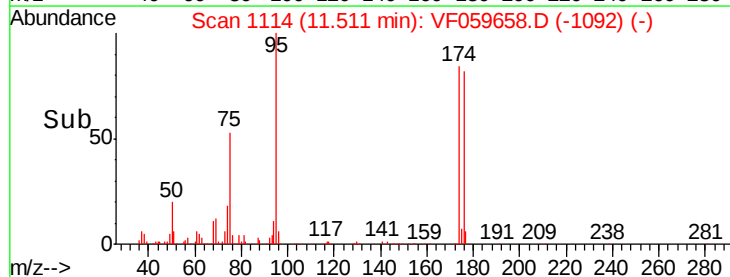
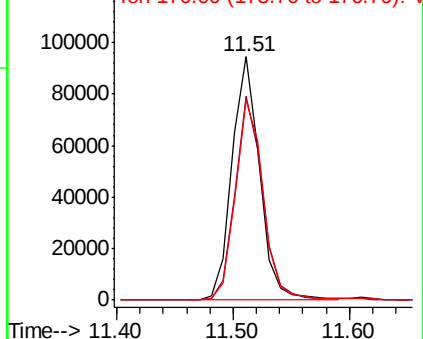
176 82.1 0.0 142.0

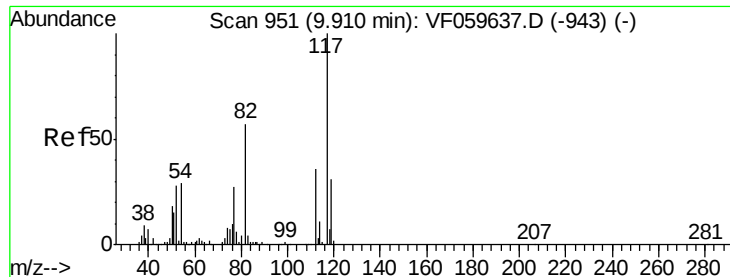


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

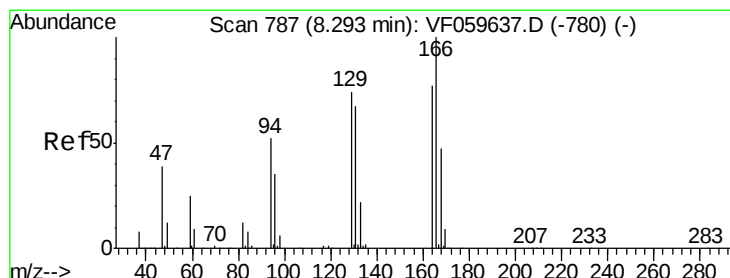
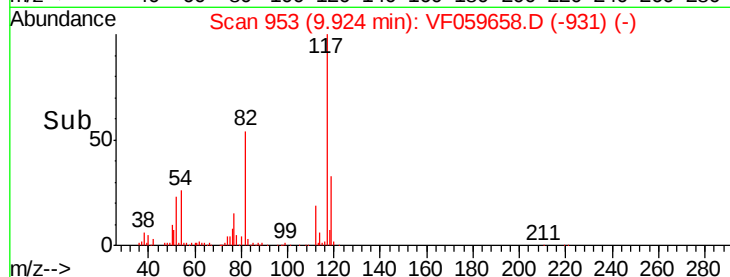
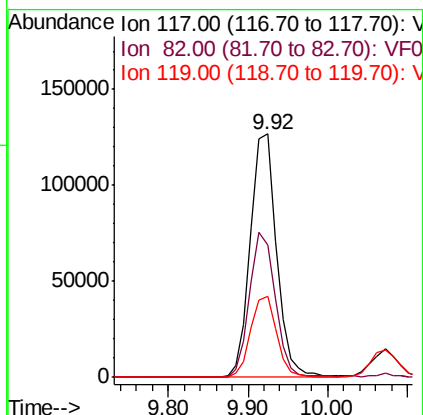
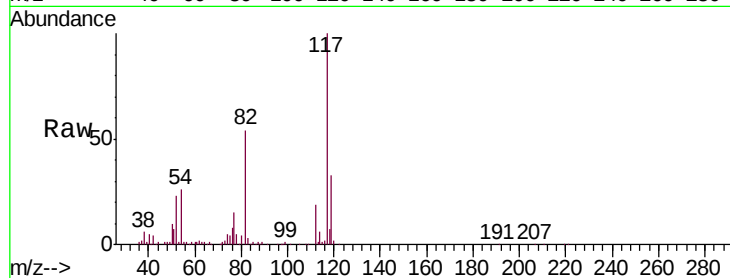




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF059658.D
Acq: 25 Jul 2018 15:25

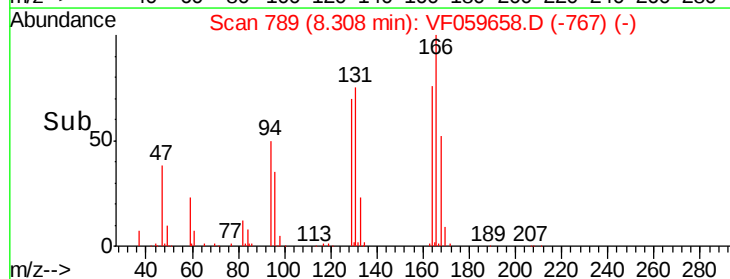
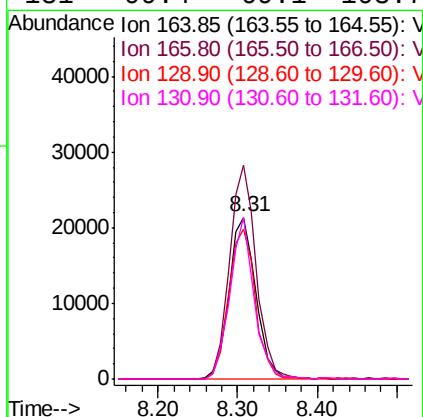
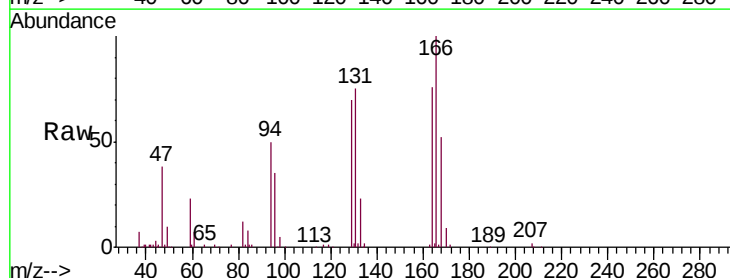
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

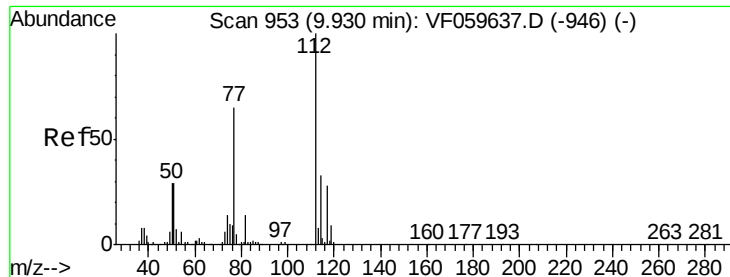
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	45.9	68.9
119	33.4	25.1	37.7



#64
Tetrachloroethene
Concen: 22.27 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF059658.D
Acq: 25 Jul 2018 15:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.1	103.3	154.9
129	92.3	76.2	114.2
131	99.4	69.1	103.7

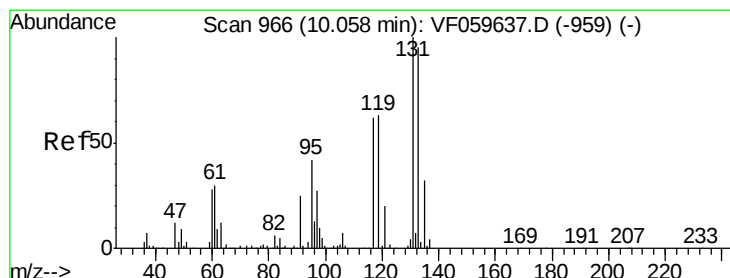
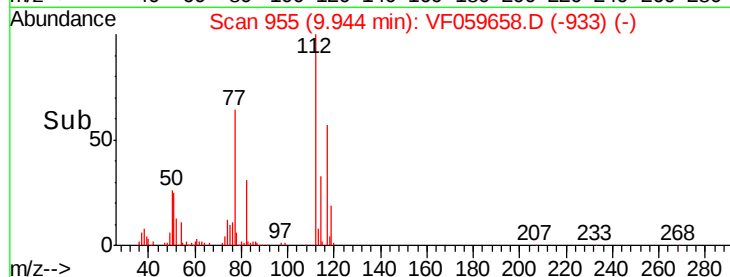
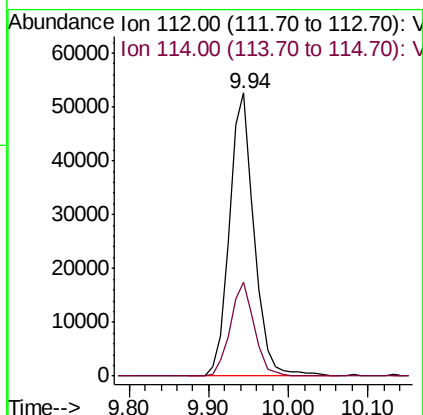
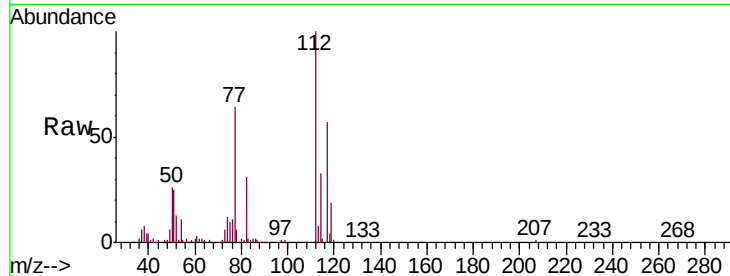




#65
Chlorobenzene
Concen: 21.45 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF059658.D
Acq: 25 Jul 2018 15:25

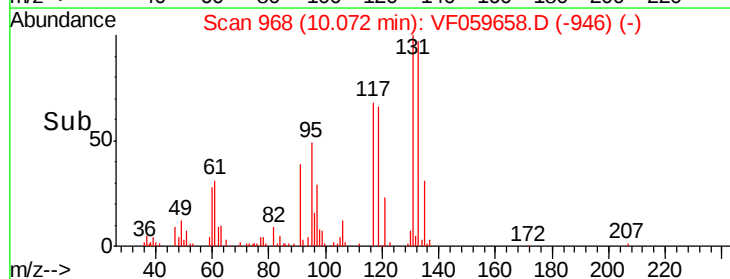
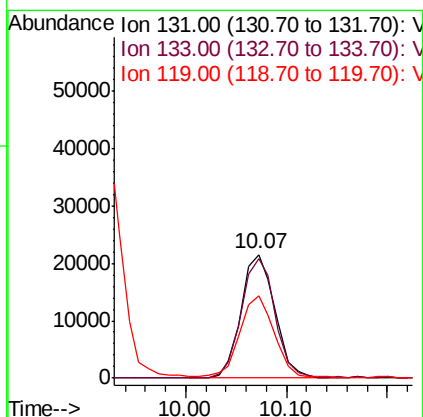
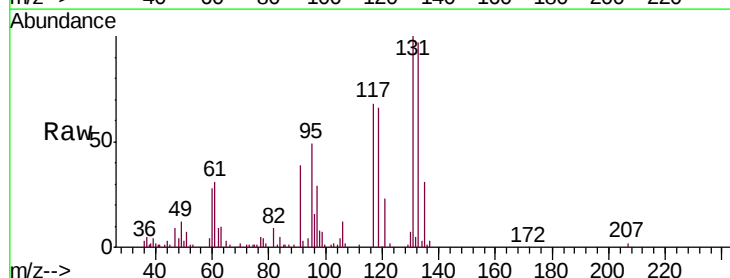
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

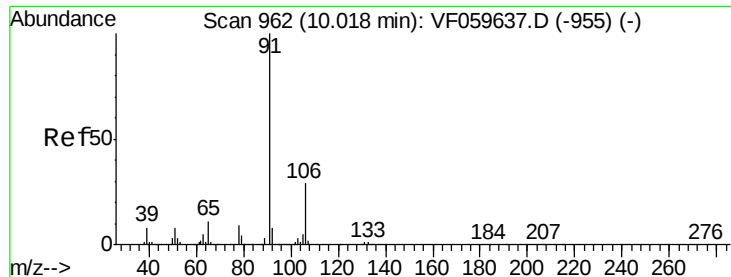
Tot Ion:112 Resp: 114244
Ion Ratio Lower Upper
112 100
114 33.1 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.38 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF059658.D
Acq: 25 Jul 2018 15:25

Tgt Ion:131 Resp: 50324
Ion Ratio Lower Upper
131 100
133 97.1 47.5 142.6
119 66.3 31.8 95.4





#67

Ethyl Benzene

Concen: 23.73 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.02 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

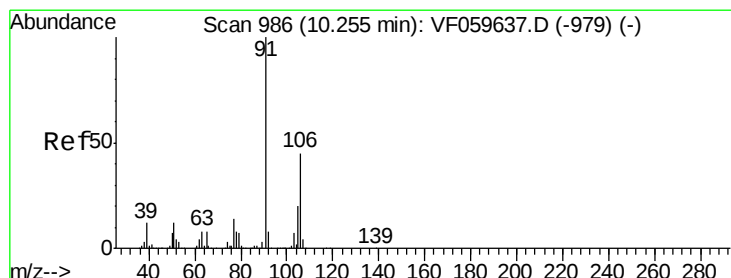
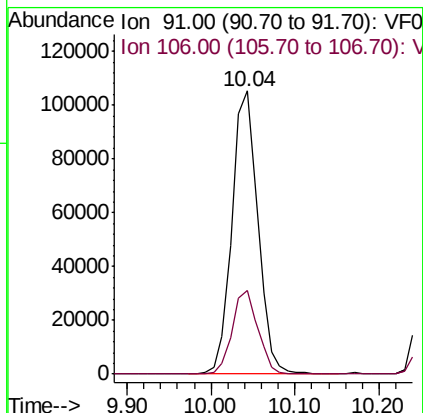
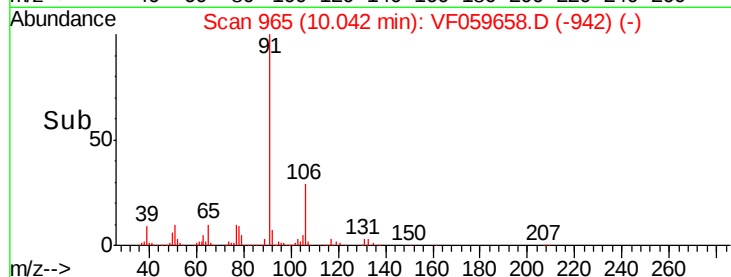
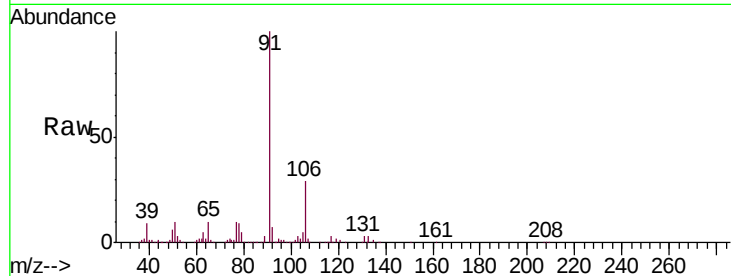
VF0725SBS01

Tot Ion: 91 Resp: 227177

Ion Ratio Lower Upper

91 100

106 29.4 23.4 35.0



#68

m/p-Xylenes

Concen: 45.79 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF059658.D

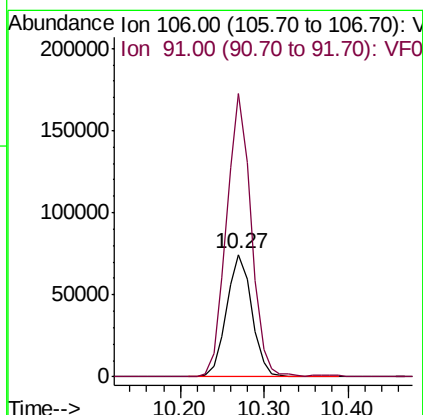
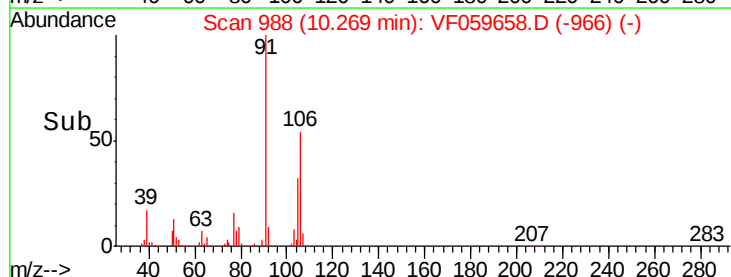
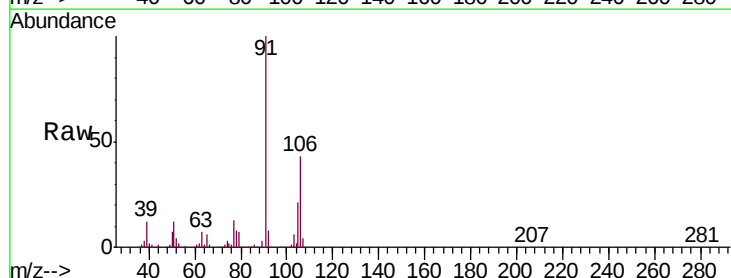
Acq: 25 Jul 2018 15:25

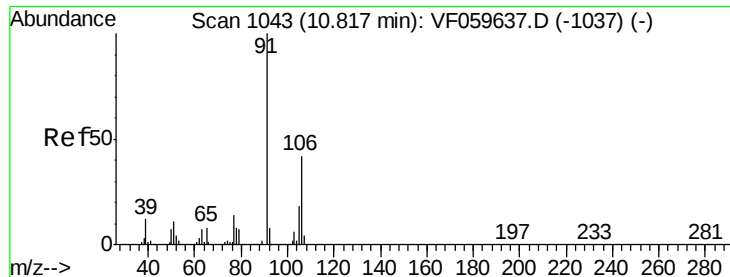
Tgt Ion: 106 Resp: 156623

Ion Ratio Lower Upper

106 100

91 230.9 177.8 266.8

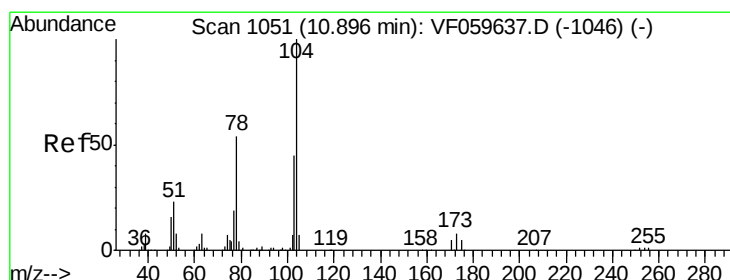
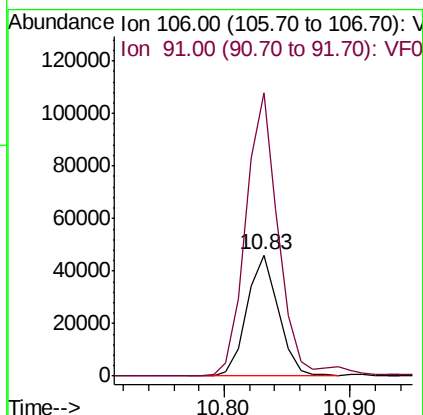
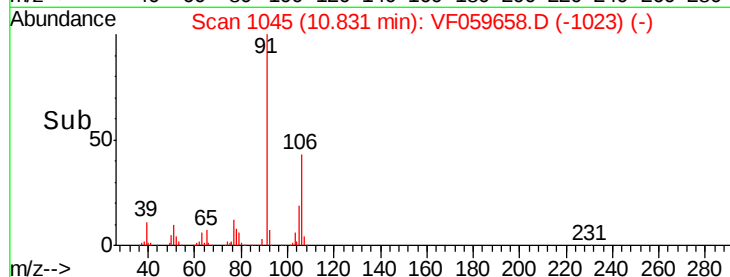
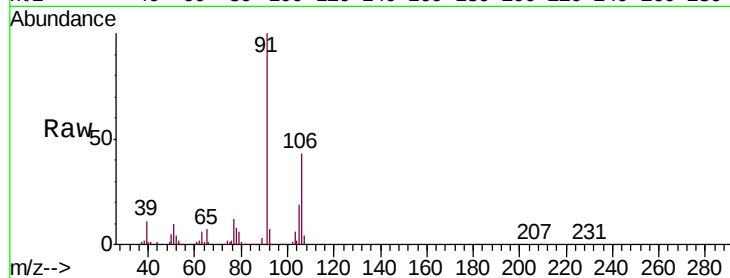




#69
o-Xylene
Concen: 22.14 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF059658.D
Acq: 25 Jul 2018 15:25

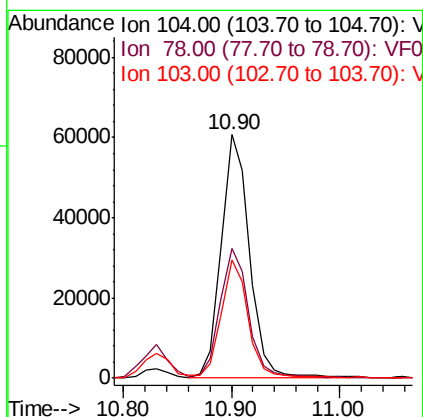
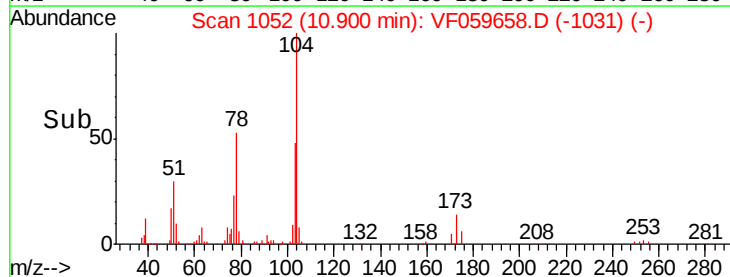
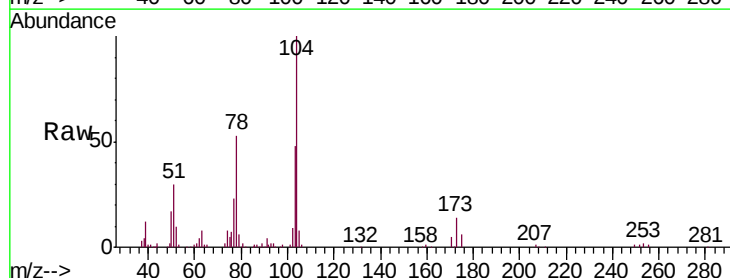
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

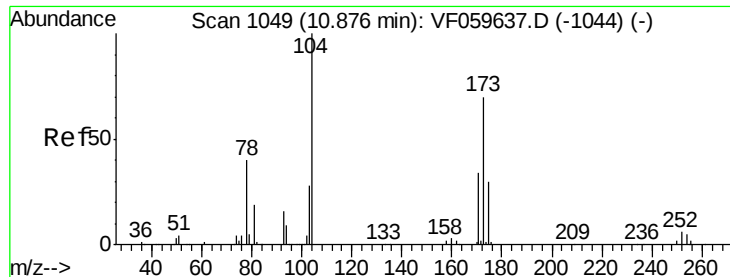
Tot Ion:106 Resp: 80612
Ion Ratio Lower Upper
106 100
91 234.1 119.3 357.9



#70
Styrene
Concen: 20.74 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059658.D
Acq: 25 Jul 2018 15:25

Tgt Ion:104 Resp: 109058
Ion Ratio Lower Upper
104 100
78 53.3 43.4 65.2
103 48.4 36.7 55.1





#71

Bromoform

Concen: 16.64 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

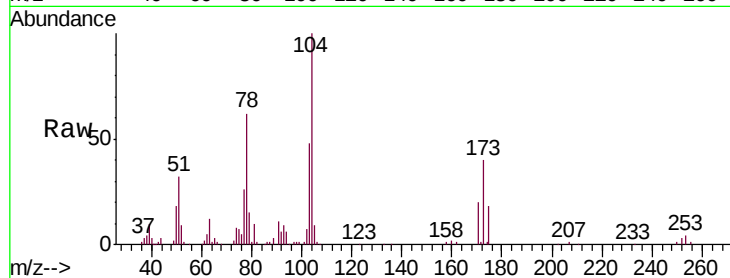
Tot Ion:173 Resp: 23137

Ion Ratio Lower Upper

173 100

175 44.0 21.6 65.0

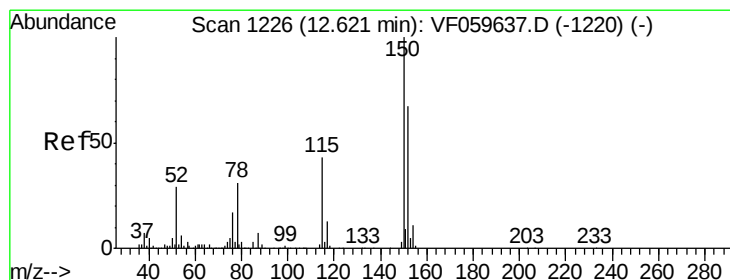
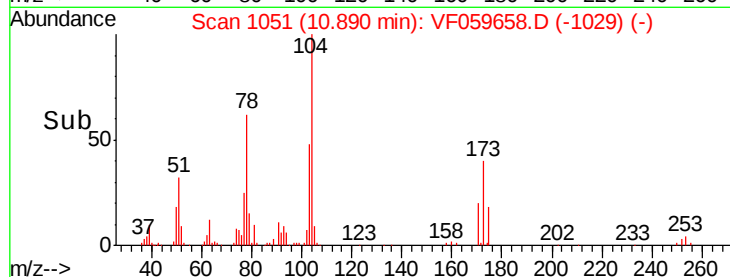
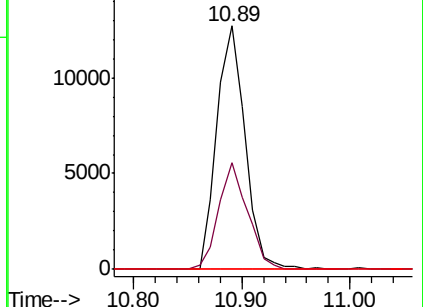
254 0.0 0.0 0.0



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: 12.63 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

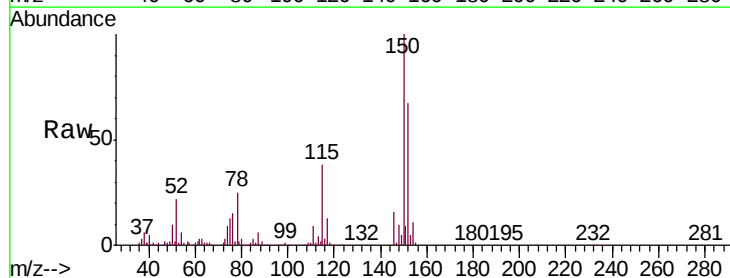
Tgt Ion:152 Resp: 164412

Ion Ratio Lower Upper

152 100

115 57.6 32.0 96.2

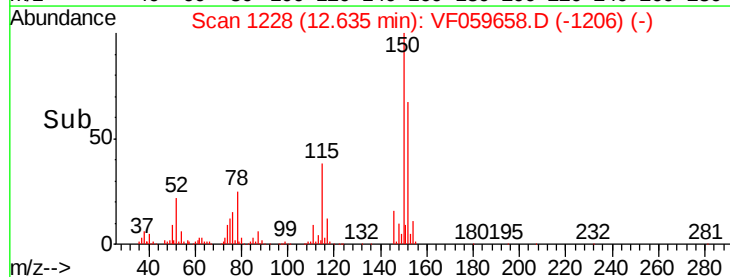
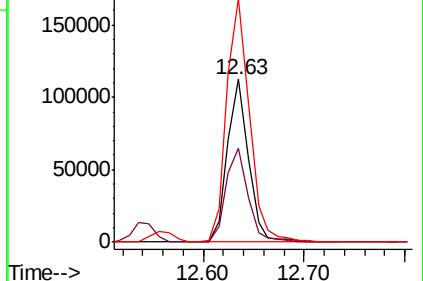
150 149.9 0.0 313.2

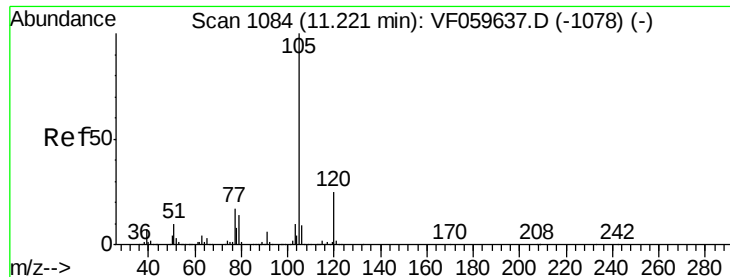


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 27.98 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

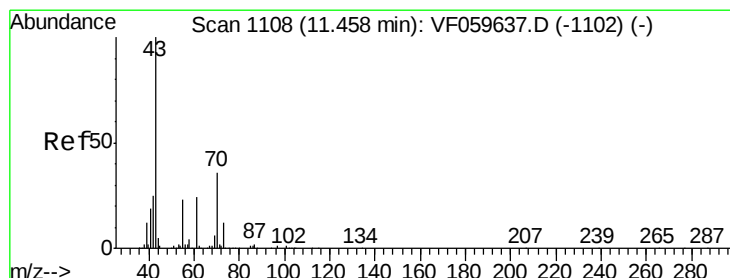
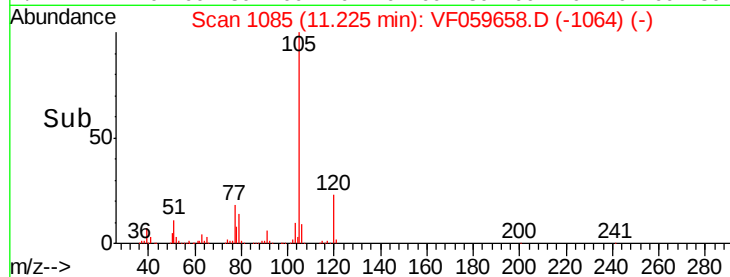
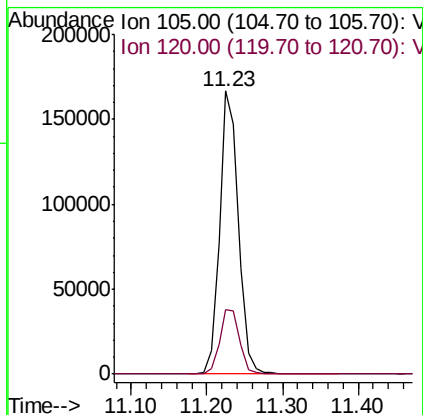
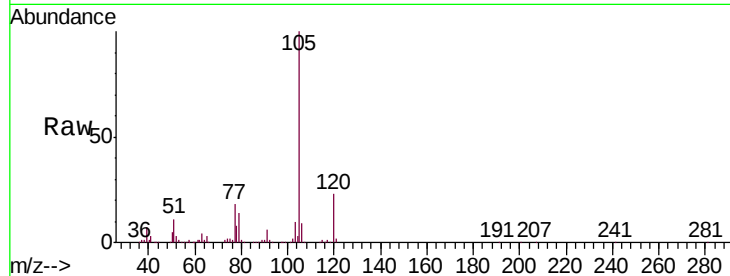
VF0725SBS01

Tot Ion:105 Resp: 289094

Ion Ratio Lower Upper

105 100

120 22.7 12.6 37.8



#74

N-ethyl acetate

Concen: 17.56 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Tgt Ion: 43 Resp: 38901

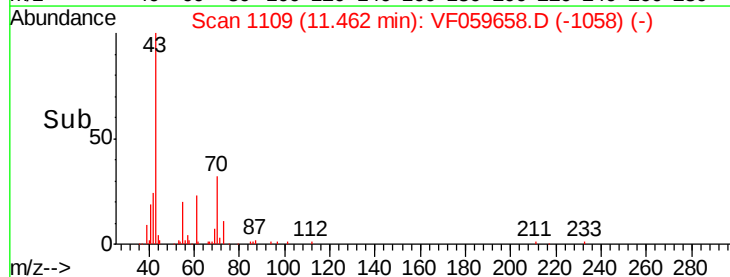
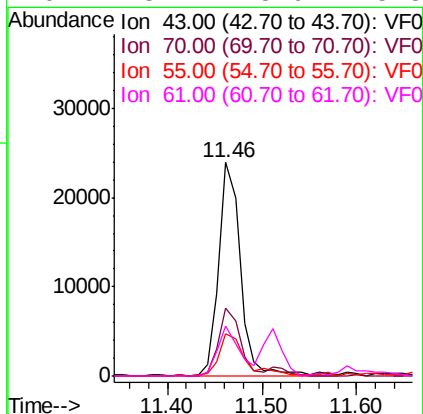
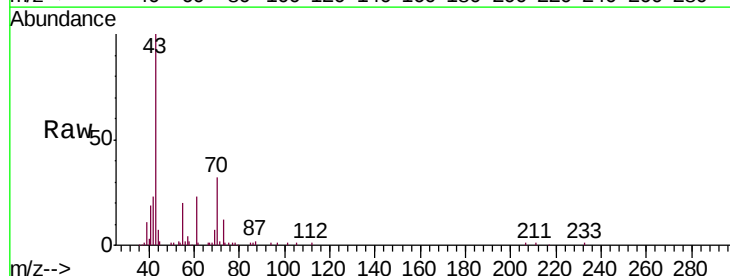
Ion Ratio Lower Upper

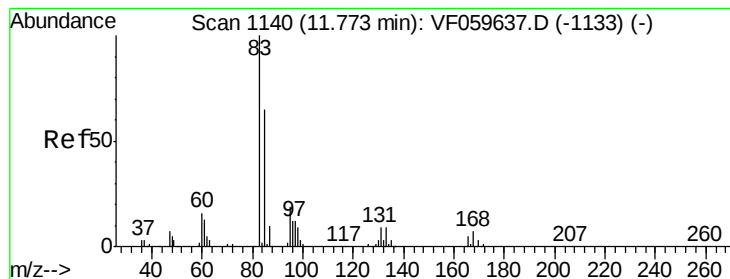
43 100

70 31.7 29.4 44.0

55 19.7 18.2 27.4

61 23.2 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.29 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

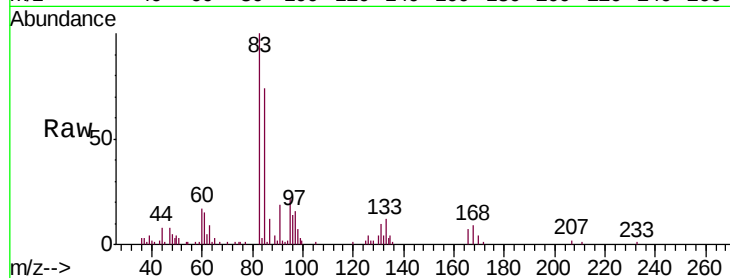
Tot Ion: 83 Resp: 30181

Ion Ratio Lower Upper

83 100

131 9.6 4.5 13.5

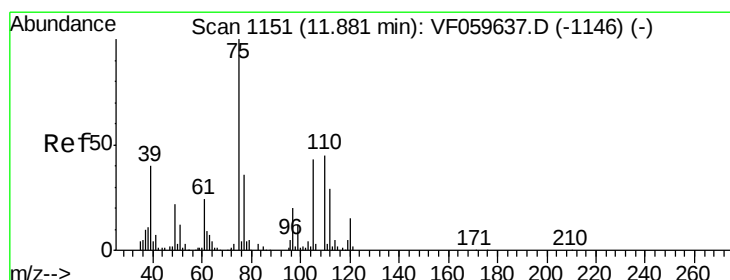
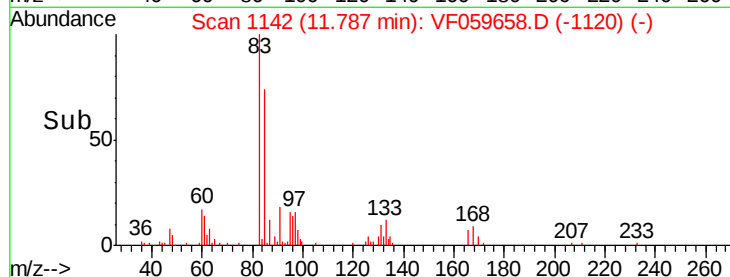
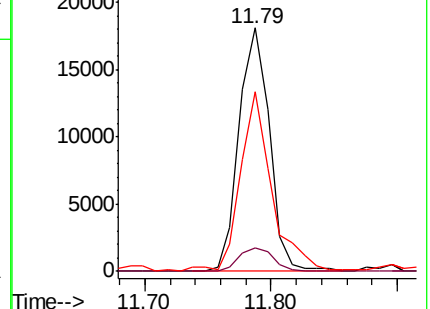
85 74.0 32.6 97.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 19.30 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059658.D

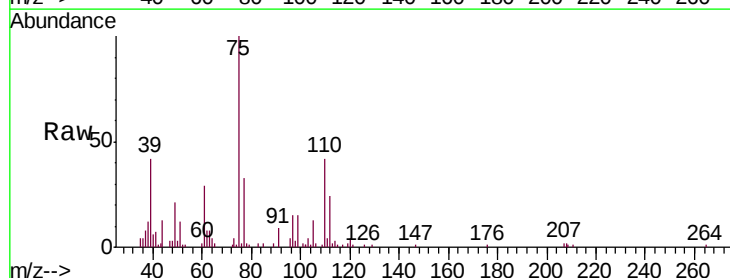
Acq: 25 Jul 2018 15:25

Tgt Ion: 75 Resp: 24942

Ion Ratio Lower Upper

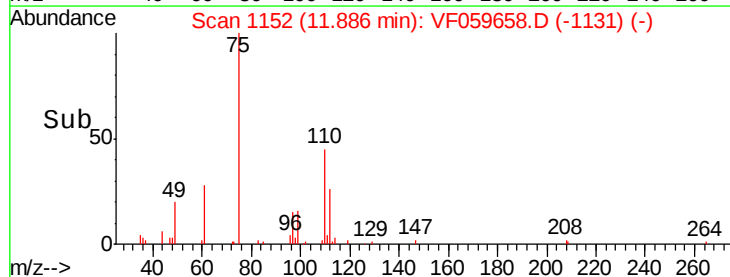
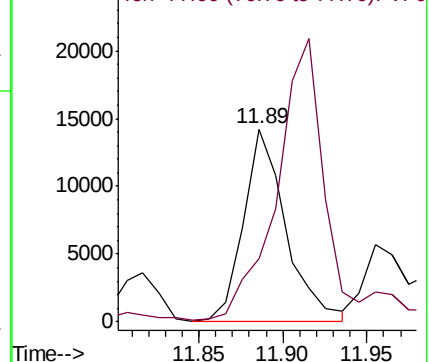
75 100

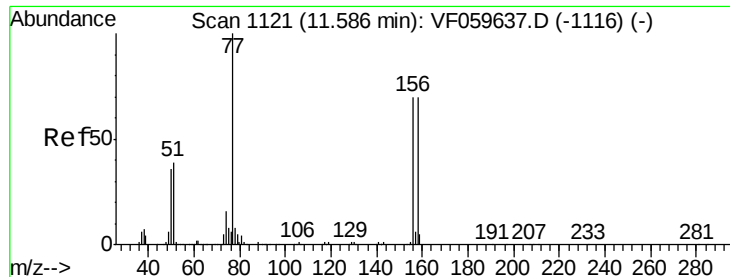
77 33.1 18.4 55.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 22.34 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

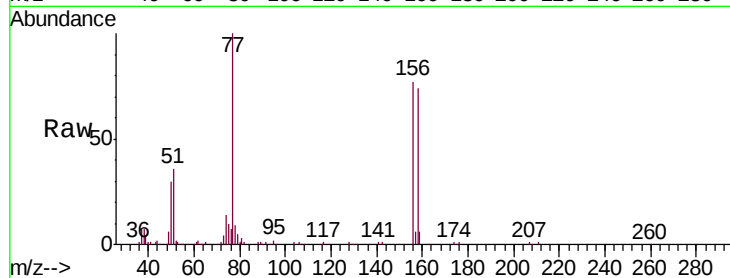
Tot Ion:156 Resp: 56476

Ion Ratio Lower Upper

156 100

77 129.6 71.5 214.3

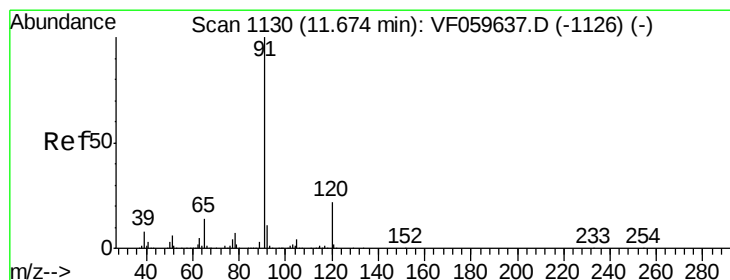
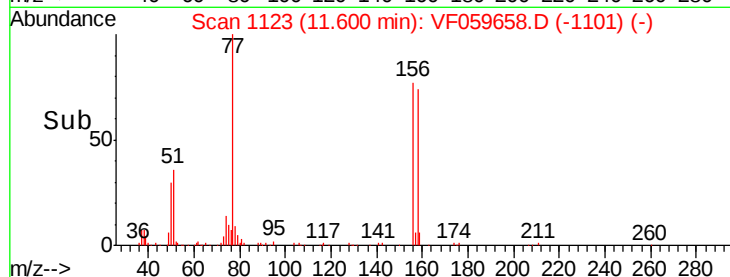
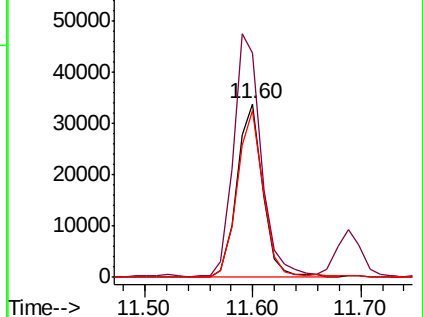
158 96.0 50.0 149.8



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: 26.28 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF059658.D

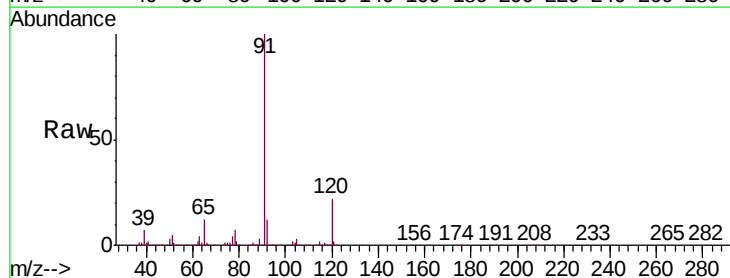
Acq: 25 Jul 2018 15:25

Tgt Ion: 91 Resp: 323279

Ion Ratio Lower Upper

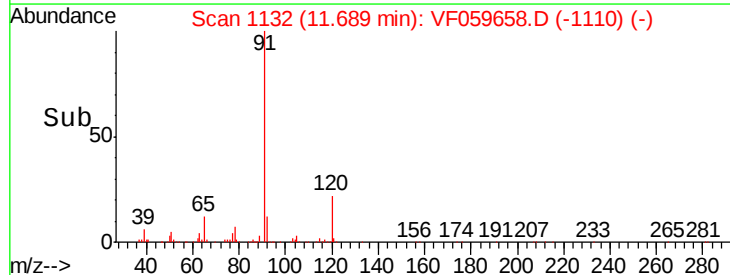
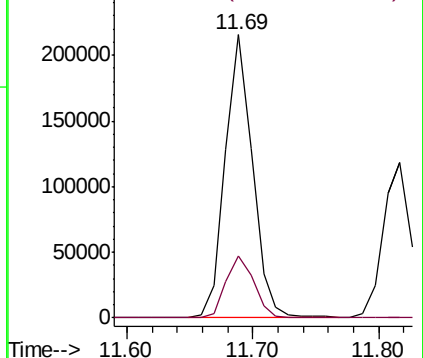
91 100

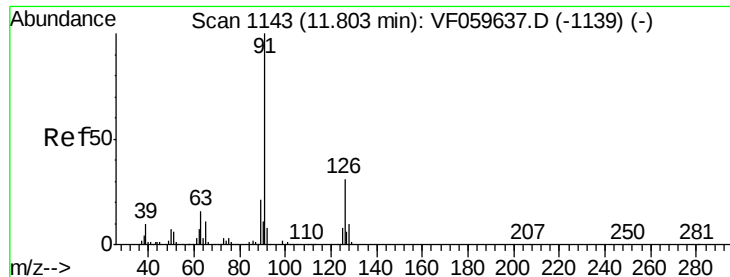
120 21.9 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 24.74 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

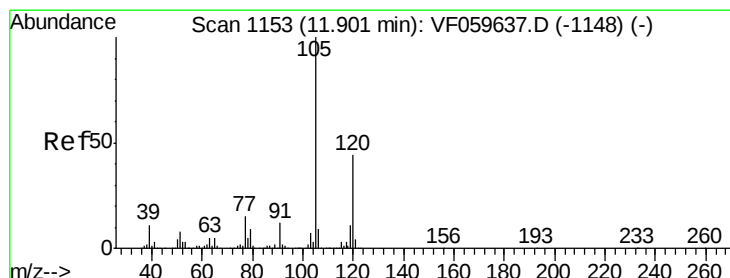
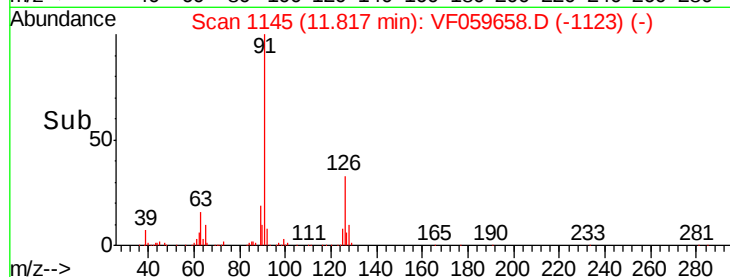
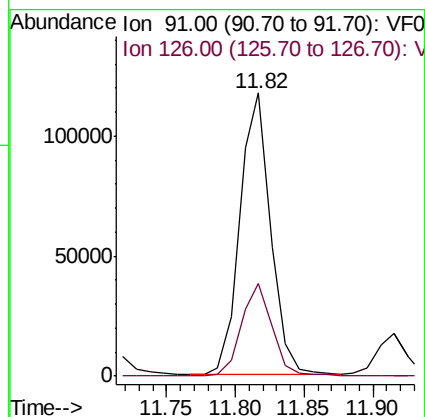
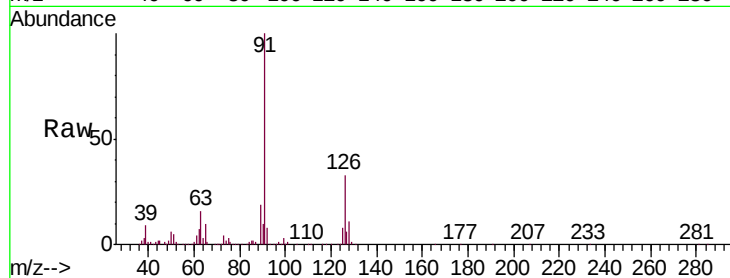
VF0725SBS01

Tot Ion: 91 Resp: 183112

Ion Ratio Lower Upper

91 100

126 32.9 15.4 46.4



#80

1,3,5-Trimethylbenzene

Concen: 24.92 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VF059658.D

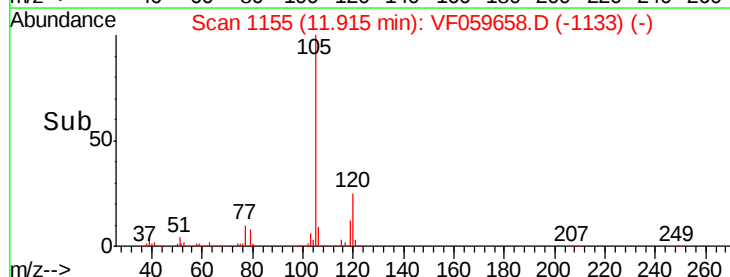
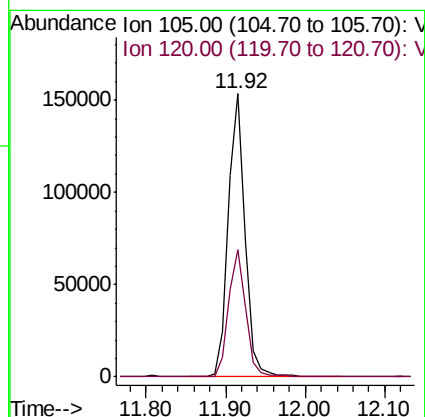
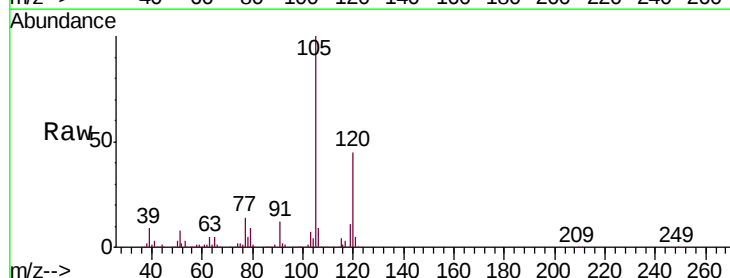
Acq: 25 Jul 2018 15:25

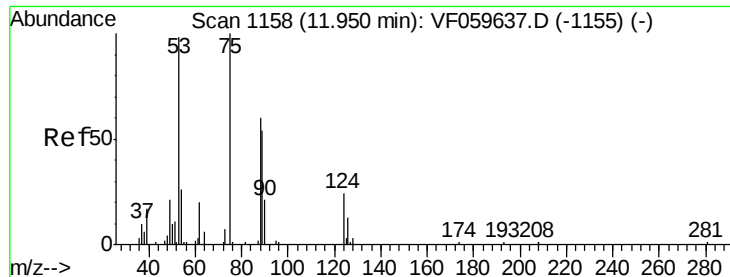
Tgt Ion:105 Resp: 228808

Ion Ratio Lower Upper

105 100

120 45.1 21.8 65.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.10 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

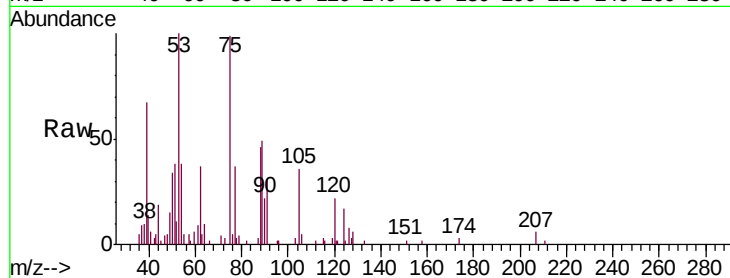
Tot Ion: 75 Resp: 15197

Ion Ratio Lower Upper

75 100

53 101.1 82.3 123.5

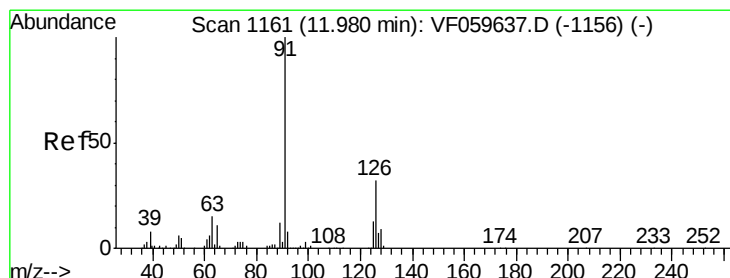
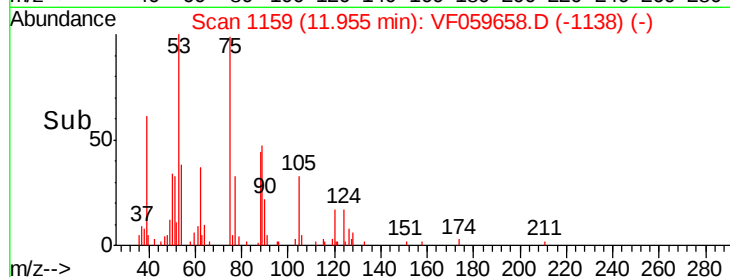
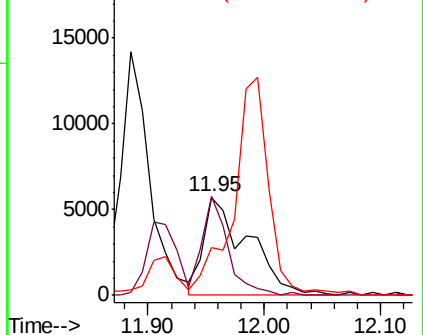
89 49.0 48.2 72.2



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: 24.15 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. 0.01 min

Lab File: VF059658.D

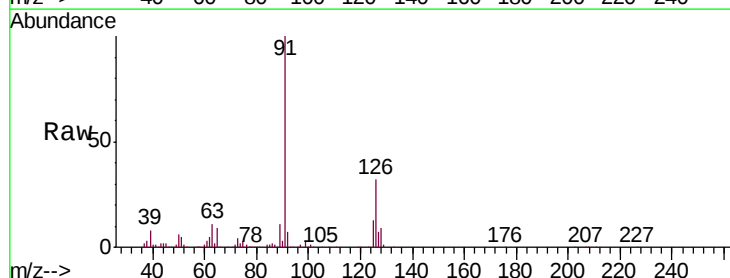
Acq: 25 Jul 2018 15:25

Tgt Ion: 91 Resp: 190741

Ion Ratio Lower Upper

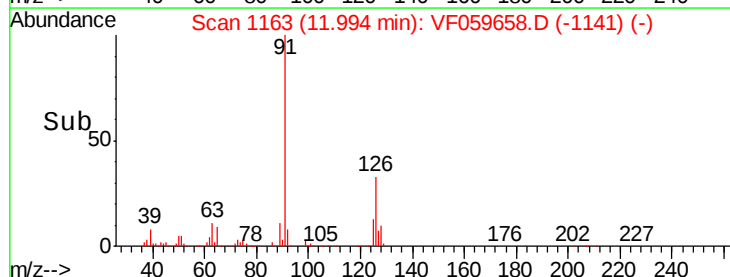
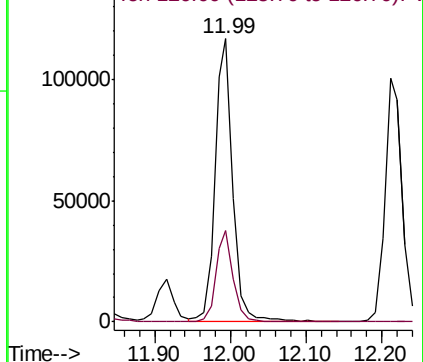
91 100

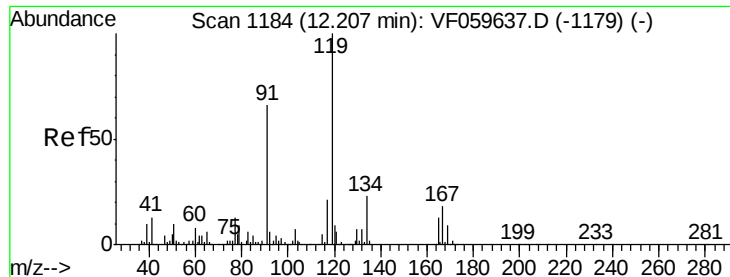
126 32.3 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

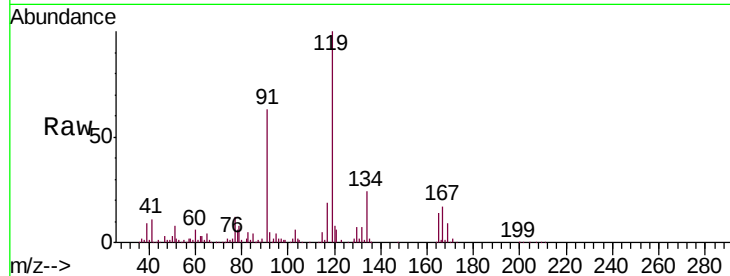




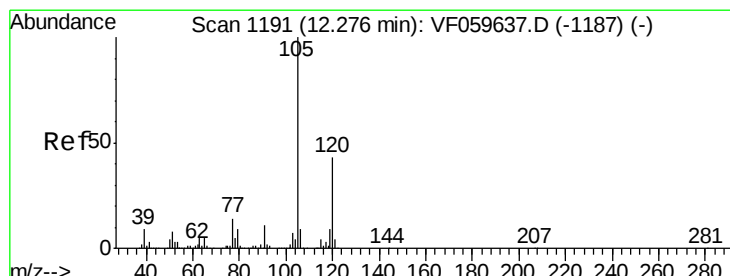
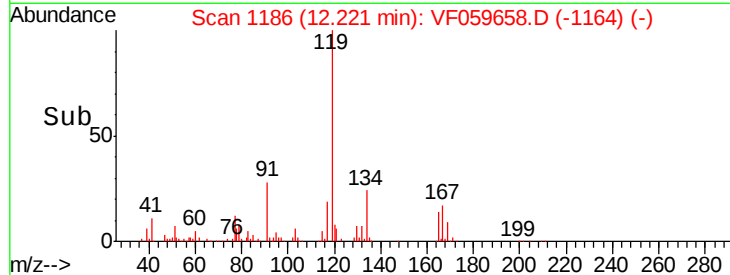
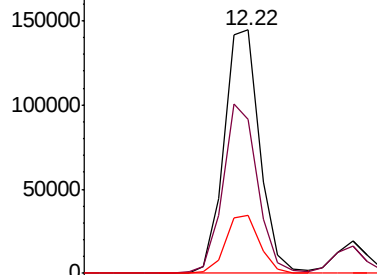
#83
tert-Butylbenzene
Concen: 25.88 ug/l
RT: 12.22 min Scan# 1186
Delta R.T. 0.01 min
Lab File: VF059658.D
Acq: 25 Jul 2018 15:25

Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	33.2	99.6
134	24.0	11.5	34.4

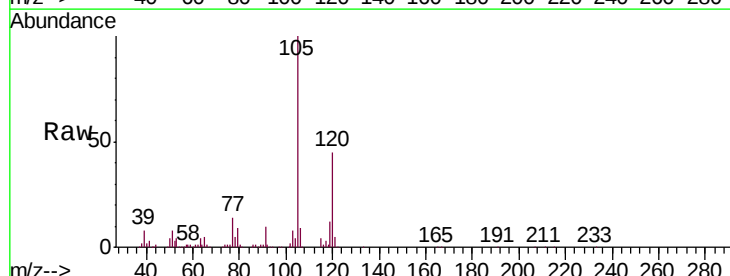


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

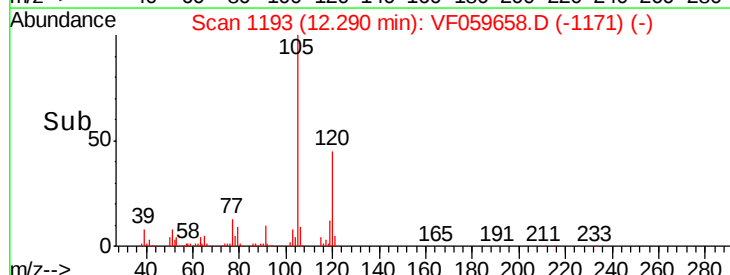
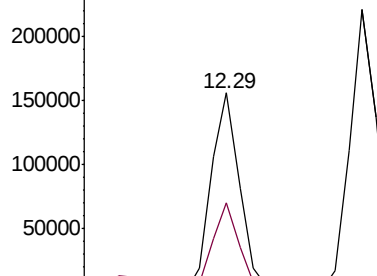


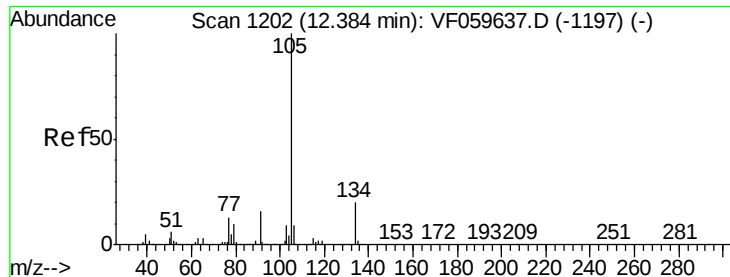
#84
1,2,4-Trimethylbenzene
Concen: 24.44 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. 0.01 min
Lab File: VF059658.D
Acq: 25 Jul 2018 15:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	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: 25.30 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

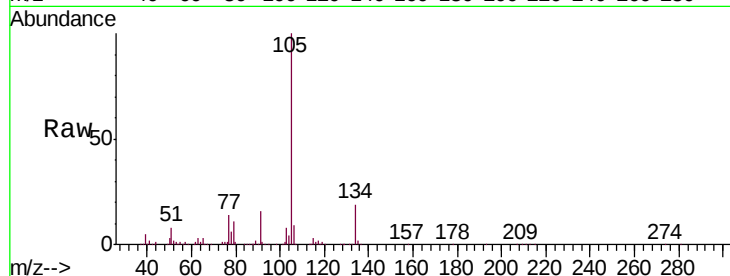
VF0725SBS01

Tot Ion:105 Resp: 312213

Ion Ratio Lower Upper

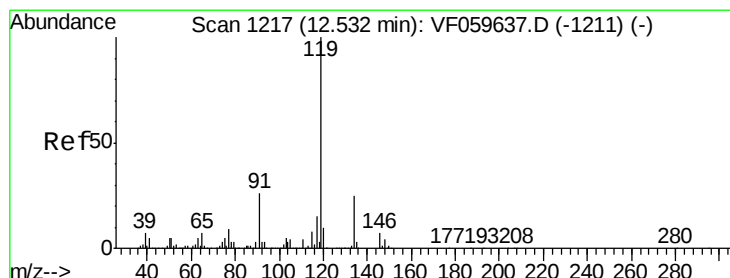
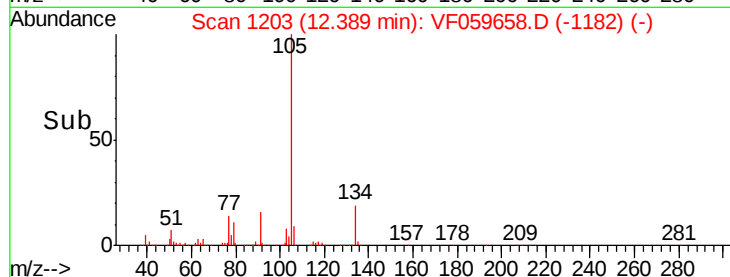
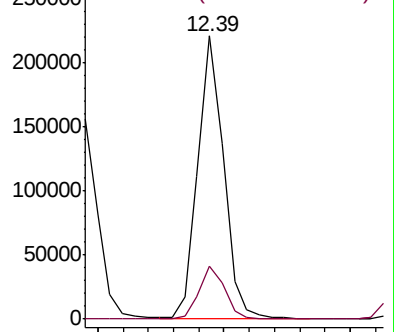
105 100

134 18.7 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 25.08 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

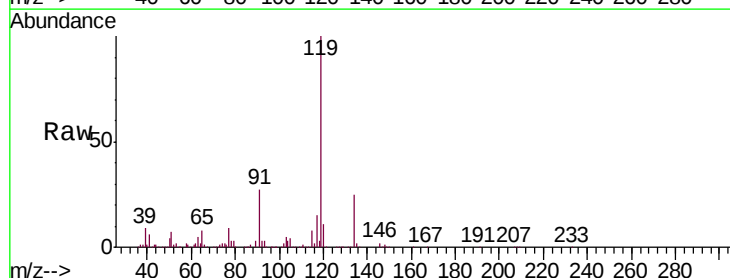
Tgt Ion:119 Resp: 269455

Ion Ratio Lower Upper

119 100

134 24.7 12.4 37.0

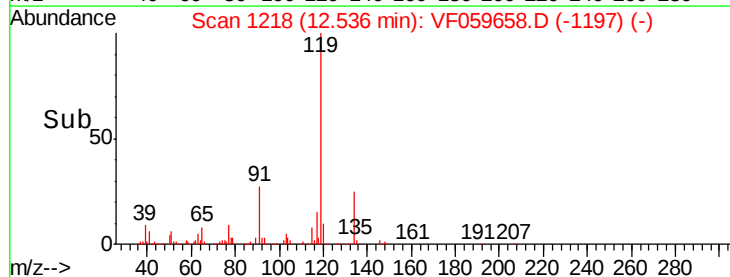
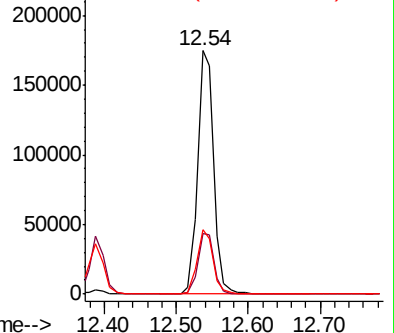
91 26.7 13.1 39.1

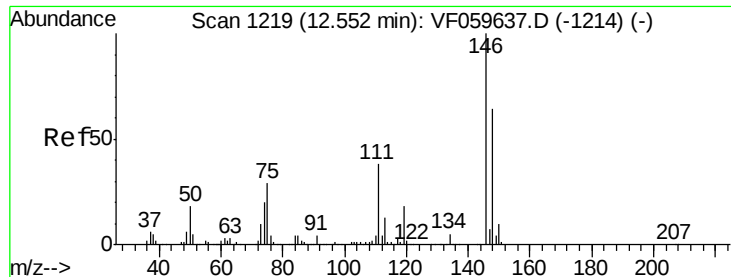


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

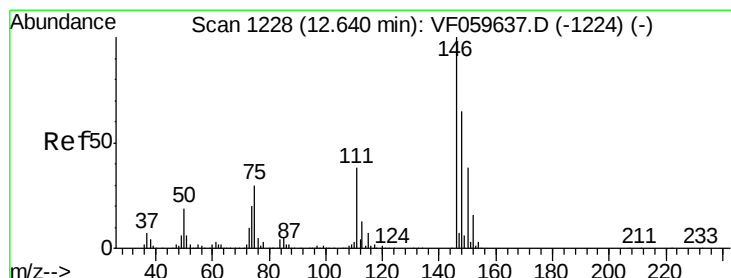
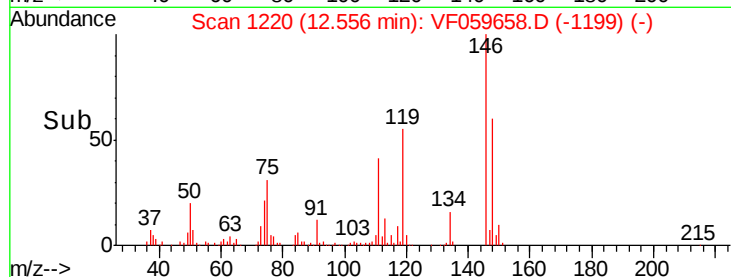
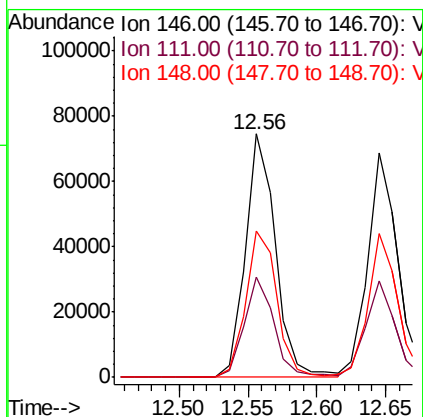
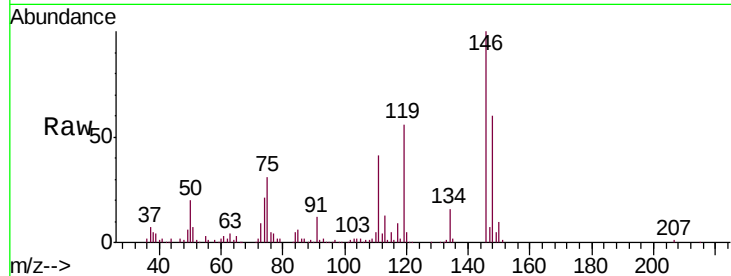




#87
 1,3-Dichlorobenzene
 Concen: 22.89 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059658.D
 Acq: 25 Jul 2018 15:25

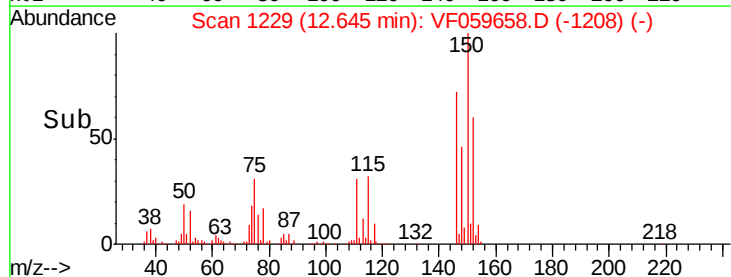
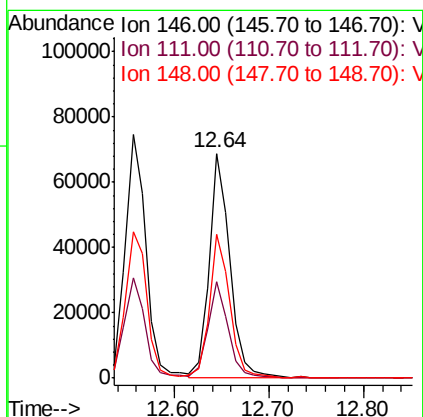
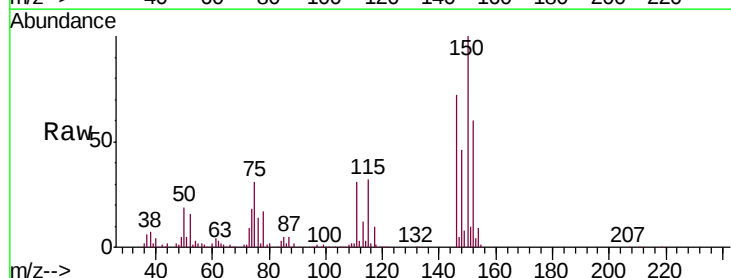
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

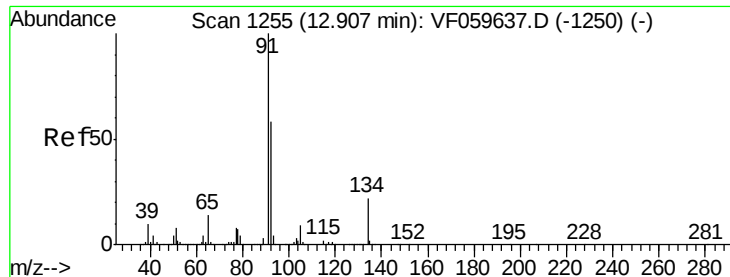
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	19.1	57.1
148	60.1	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 21.72 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059658.D
 Acq: 25 Jul 2018 15:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	19.1	57.1
148	64.2	32.4	97.2





#89

n-Butylbenzene

Concen: 25.92 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

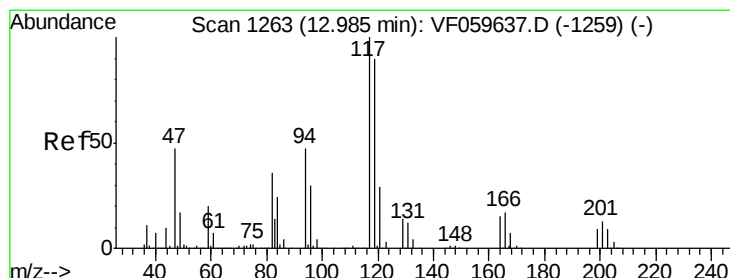
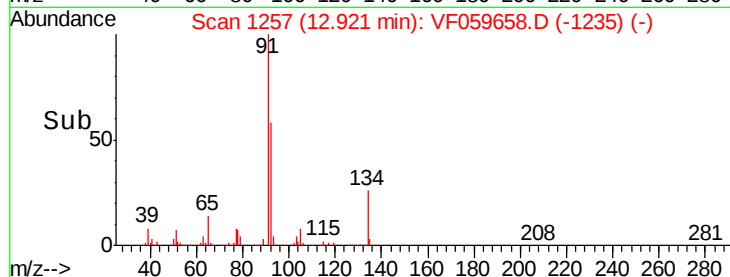
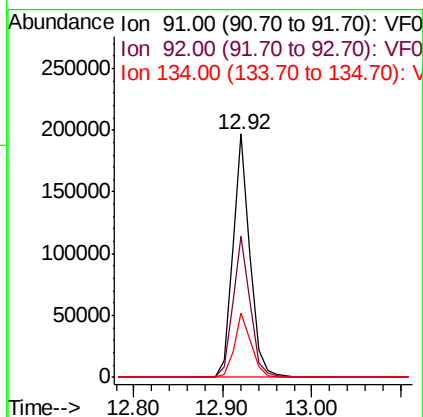
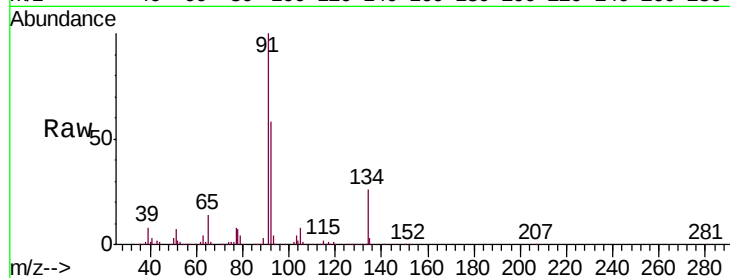
Tot Ion: 91 Resp: 266705

Ion Ratio Lower Upper

91 100

92 58.1 29.1 87.3

134 26.3 11.2 33.6



#90

Hexachloroethane

Concen: 24.21 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF059658.D

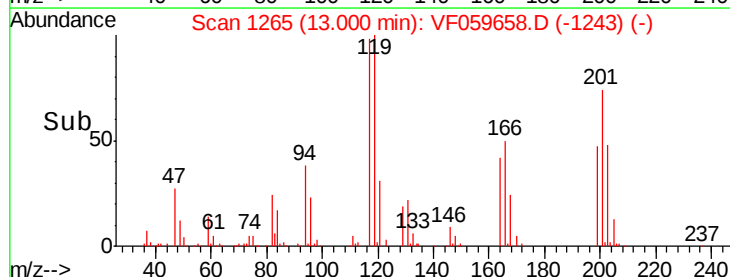
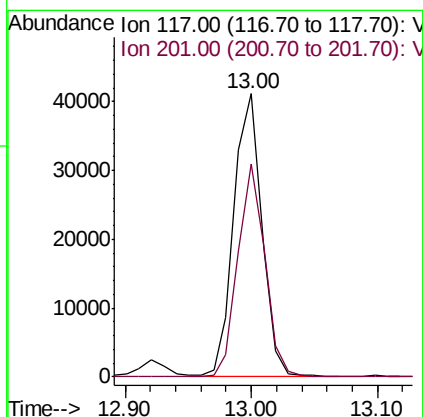
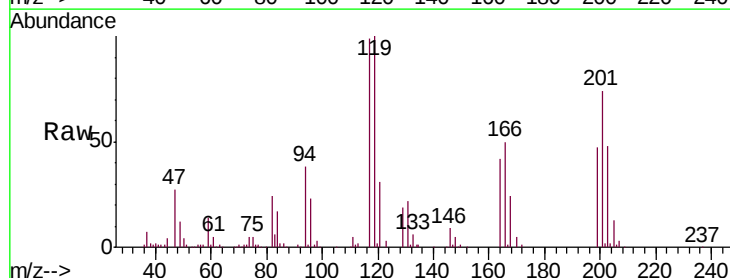
Acq: 25 Jul 2018 15:25

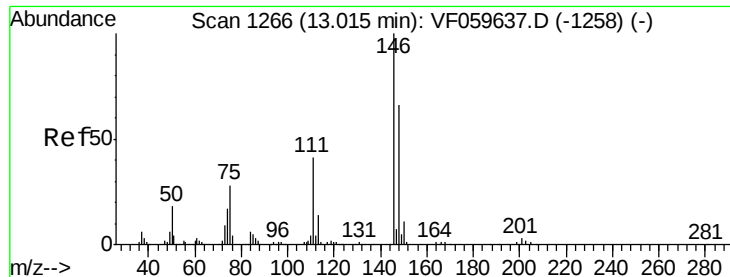
Tgt Ion: 117 Resp: 63432

Ion Ratio Lower Upper

117 100

201 75.2 6.6 19.7#

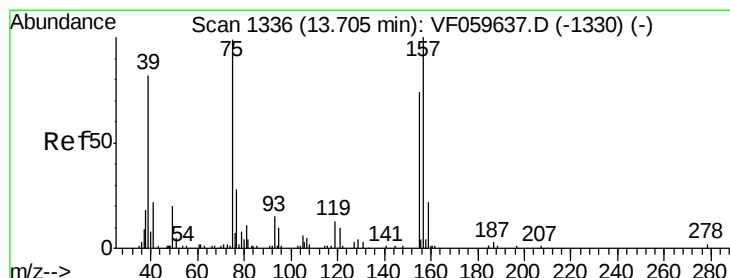
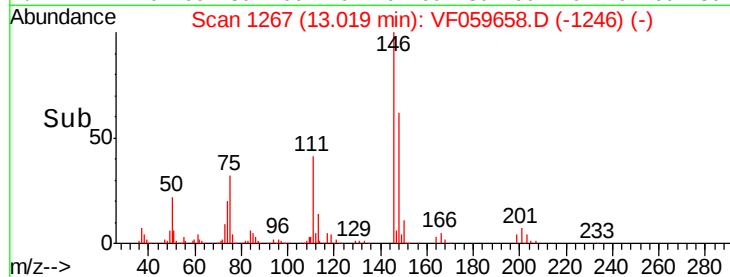
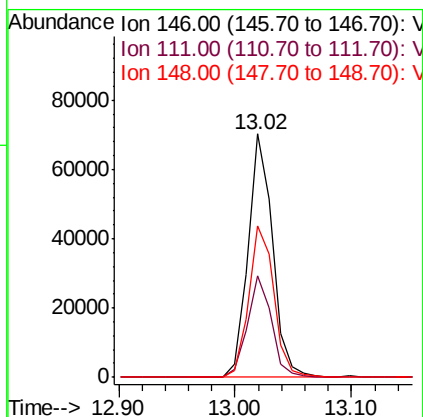
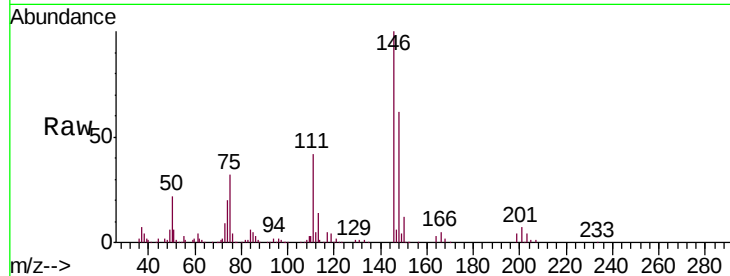




#91
 1,2-Dichlorobenzene
 Concen: 21.71 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059658.D
 Acq: 25 Jul 2018 15:25

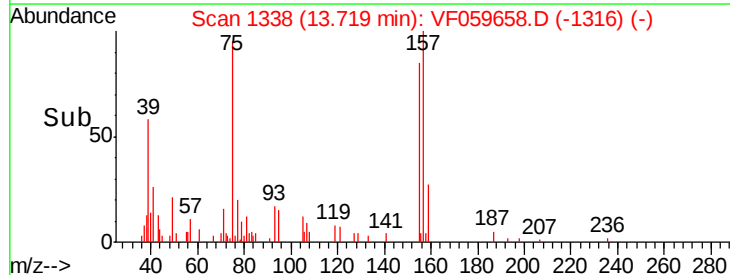
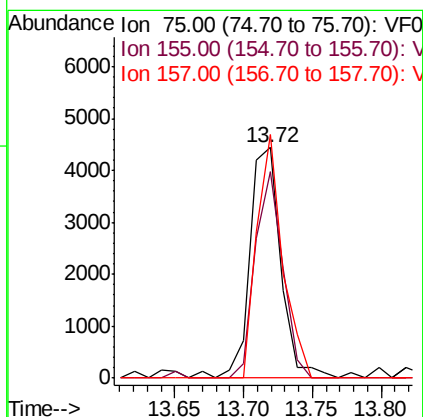
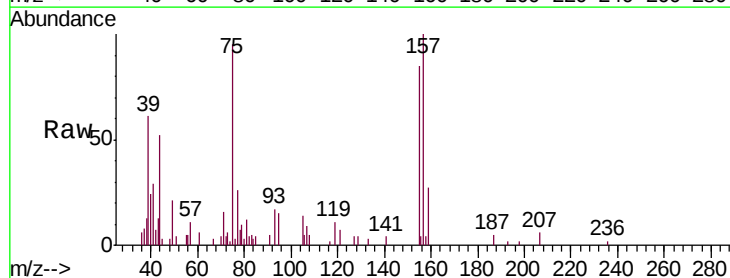
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

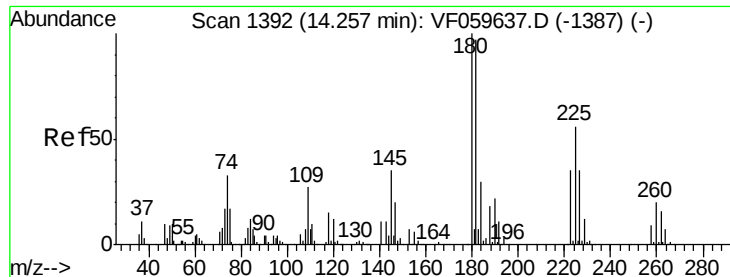
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.3	61.0
148	62.2	32.9	98.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.39 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.01 min
 Lab File: VF059658.D
 Acq: 25 Jul 2018 15:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.4	37.5	112.7
157	105.5	50.6	151.9

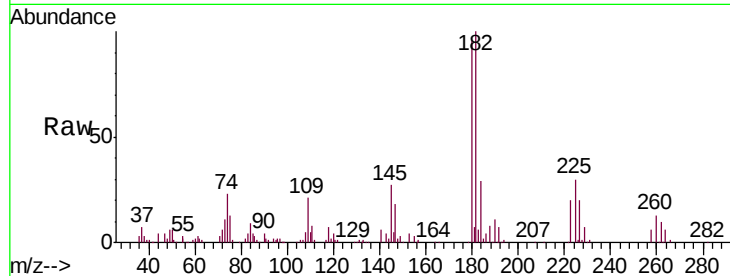




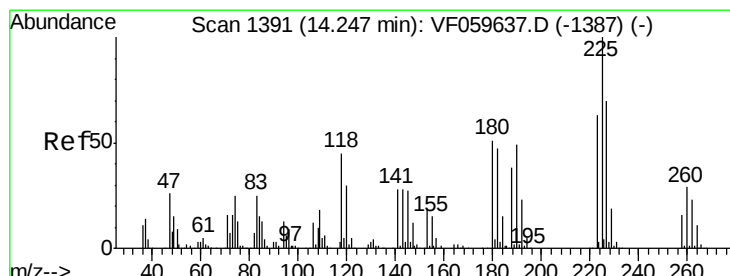
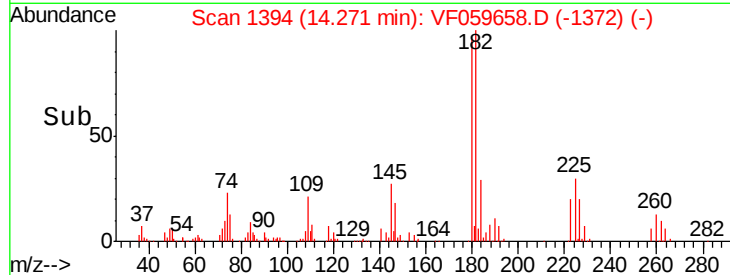
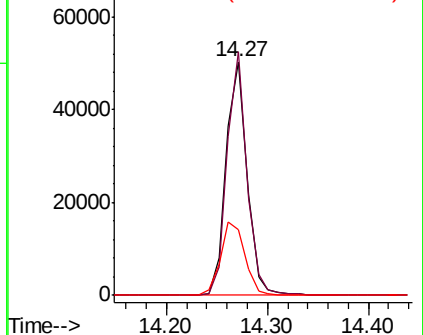
#93
 1,2,4-Trichlorobenzene
 Concen: 18.14 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: VF059658.D
 Acq: 25 Jul 2018 15:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

Tot Ion:180 Resp: 73006
 Ion Ratio Lower Upper
 180 100
 182 104.3 48.5 145.6
 145 28.3 17.4 52.2

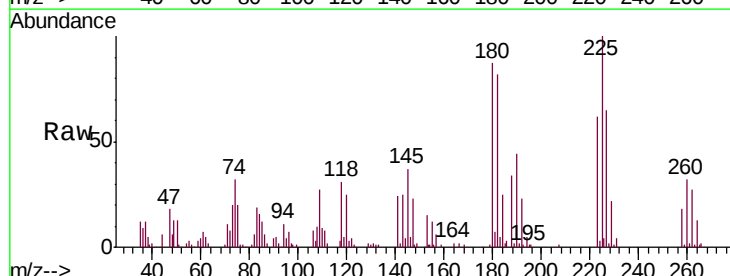


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

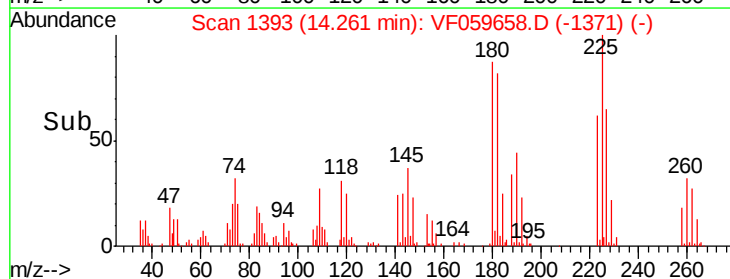
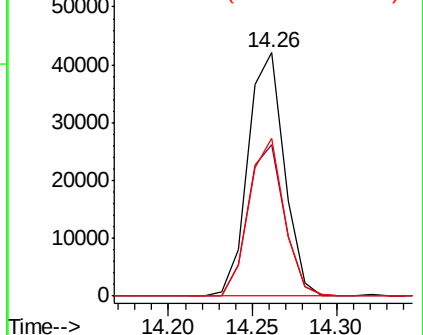


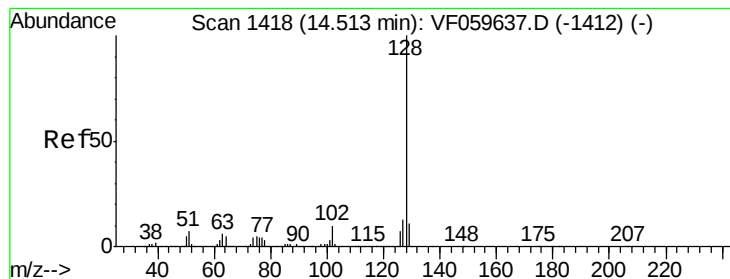
#94
 Hexachlorobutadiene
 Concen: 23.02 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059658.D
 Acq: 25 Jul 2018 15:25

Tgt Ion:225 Resp: 62815
 Ion Ratio Lower Upper
 225 100
 223 62.4 33.3 99.8
 227 65.0 34.8 104.4



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 15.31 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

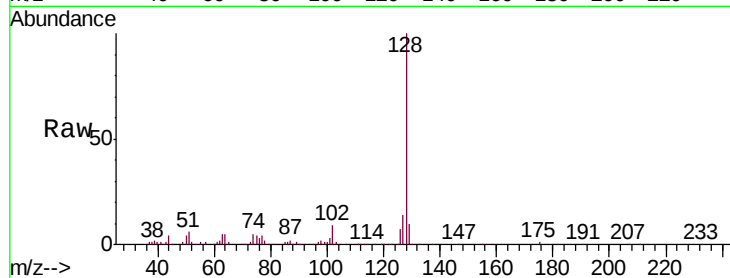
Tot Ion:128 Resp: 89617

Ion Ratio Lower Upper

128 100

127 14.0 10.1 15.1

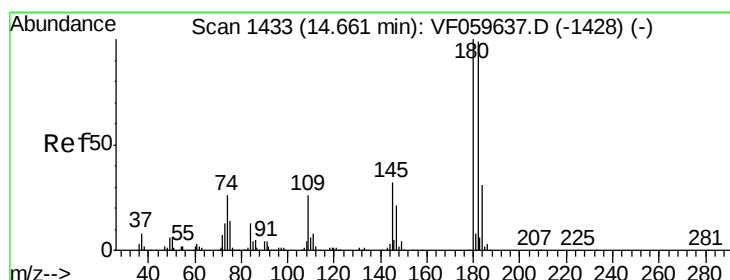
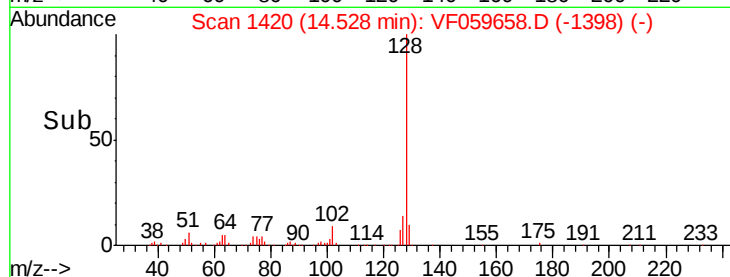
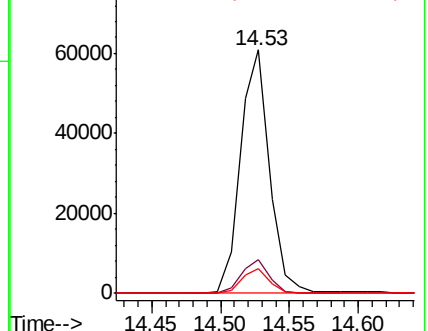
129 10.0 9.1 13.7



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: 18.63 ug/l

RT: 14.68 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VF059658.D

Acq: 25 Jul 2018 15:25

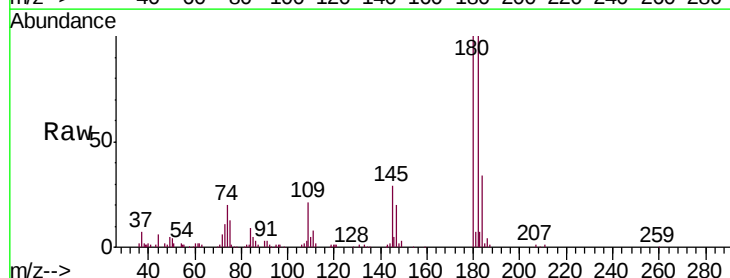
Tgt Ion:180 Resp: 62163

Ion Ratio Lower Upper

180 100

182 100.0 49.5 148.5

145 29.5 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

