

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062818\
 Data File : VF059354.D
 Acq On : 28 Jun 2018 11:16
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 29 03:08:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	271885	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	407761	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	434492	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	258938	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	159460	45.40	ug/l	0.01
Spiked Amount			Recovery	=	90.80%	
35) Dibromofluoromethane	4.29	113	139378	46.78	ug/l	0.01
Spiked Amount			Recovery	=	93.56%	
50) Toluene-d8	7.71	98	347676	47.13	ug/l	0.01
Spiked Amount			Recovery	=	94.26%	
62) 4-Bromofluorobenzene	11.50	95	202929	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	112224	45.178	ug/l	95
3) Chloromethane	1.09	50	77010	46.146	ug/l	98
4) Vinyl Chloride	1.14	62	81234	49.453	ug/l	92
5) Bromomethane	1.33	94	58387	63.953	ug/l	97
6) Chloroethane	1.42	64	43527	52.610	ug/l	95
7) Trichlorofluoromethane	1.48	101	60189	18.529	ug/l	99
8) Diethyl Ether	1.70	74	39660	47.618	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.89	101	97952	51.660	ug/l	91
10) Methyl Iodide	1.96	142	168124	48.625	ug/l	91
11) Tert butyl alcohol	2.68	59	52109	222.827	ug/l	93
12) 1,1-Dichloroethene	1.85	96	79197	49.408	ug/l	89
13) Acrolein	2.08	56	48024	445.824	ug/l	91
14) Allyl chloride	2.19	41	152015	50.520	ug/l #	98
15) Acrylonitrile	3.07	53	89945	218.412	ug/l	91
16) Acetone	2.34	43	262589	301.416	ug/l	98
17) Carbon Disulfide	1.83	76	176891	46.914	ug/l #	91
18) Methyl Acetate	2.45	43	81220	51.257	ug/l	97
19) Methyl tert-butyl Ether	2.53	73	308164	51.542	ug/l	94
20) Methylene Chloride	2.27	84	86260	42.710	ug/l	93
21) trans-1,2-Dichloroethene	2.41	96	81097	47.428	ug/l	96
22) Diisopropyl ether	2.92	45	322608	48.417	ug/l	99
23) Vinyl Acetate	3.32	43	1029208	242.539	ug/l	97
24) 1,1-Dichloroethane	3.00	63	190355	46.077	ug/l	100
25) 2-Butanone	4.51	43	277834	261.586	ug/l	100
26) 2,2-Dichloropropane	3.76	77	142201	49.906	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	125643	48.397	ug/l	90
28) Bromochloromethane	3.88	49	79636	50.214	ug/l	91
29) Tetrahydrofuran	4.25	42	119039	263.969	ug/l	95
30) Chloroform	4.03	83	287499	48.072	ug/l	98
31) Cyclohexane	3.86	56	119076	43.999	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	217934	49.796	ug/l	99
36) 1,1-Dichloropropene	4.46	75	170106	47.754	ug/l	98
37) Ethyl Acetate	4.28	43	114857	50.418	ug/l #	71
38) Carbon Tetrachloride	4.16	117	253169	56.318	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	153230	48.543	ug/l	96
40) Benzene	4.81	78	375216	47.508	ug/l	98
41) Methacrylonitrile	4.92	41	55400	45.593	ug/l	96
42) 1,2-Dichloroethane	5.12	62	226788	49.141	ug/l	99
43) Isopropyl Acetate	7.11	43	149948	50.537	ug/l #	93
44) Trichloroethene	5.67	130	126293	46.614	ug/l	94
45) 1,2-Dichloropropane	6.40	63	113318	50.218	ug/l	93
46) Dibromomethane	6.25	93	98793	50.442	ug/l	98
47) Bromodichloromethane	6.55	83	239046	50.421	ug/l	98
48) Methyl methacrylate	6.87	41	103536	52.065	ug/l	92
49) 1,4-Dioxane	6.86	88	12276	1163.964	ug/l	94
51) 4-Methyl-2-Pentanone	8.40	43	560374	254.929	ug/l	97
52) Toluene	7.78	92	281028	47.552	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	223396	51.694	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	236805	50.448	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	115644	50.398	ug/l	97
56) Ethyl methacrylate	8.75	69	144901	50.977	ug/l	97
57) 1,3-Dichloropropane	9.00	76	201446	51.189	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	53460	250.769	ug/l	100
59) 2-Hexanone	9.63	43	465788	284.382	ug/l	96
60) Dibromochloromethane	8.86	129	183321	51.749	ug/l	91
61) 1,2-Dibromoethane	9.14	107	134917	48.482	ug/l	98
64) Tetrachloroethene	8.30	164	128029	45.432	ug/l	99
65) Chlorobenzene	9.94	112	387681	48.152	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	162860	46.770	ug/l	99
67) Ethyl Benzene	10.04	91	628174	45.992	ug/l	96
68) m/p-Xylenes	10.26	106	453573	93.301	ug/l	98
69) o-Xylene	10.82	106	260161	47.846	ug/l	96
70) Styrene	10.90	104	387406	46.771	ug/l	98
71) Bromoform	10.88	173	117428	49.200	ug/l	98
73) Isopropylbenzene	11.23	105	756775	50.167	ug/l	98
74) N-amyl acetate	11.47	43	269421	49.216	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	188897	49.582	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	141880	49.369	ug/l	99
77) Bromobenzene	11.59	156	203015	48.507	ug/l	96
78) n-propylbenzene	11.69	91	862949	47.633	ug/l	99
79) 2-Chlorotoluene	11.81	91	546884	49.410	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	661127	50.032	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	86931	50.823	ug/l	93
82) 4-Chlorotoluene	11.99	91	592125	49.945	ug/l	95
83) tert-Butylbenzene	12.21	119	657076	49.718	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	684796	49.206	ug/l	97
85) sec-Butylbenzene	12.39	105	879090	50.181	ug/l	97
86) p-Isopropyltoluene	12.54	119	742532	50.507	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	369644	53.849	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	365616	48.916	ug/l	98
89) n-Butylbenzene	12.92	91	765965	51.323	ug/l	98
90) Hexachloroethane	12.99	117	183551	50.093	ug/l	83
91) 1,2-Dichlorobenzene	13.02	146	366546	48.243	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	43401	51.390	ug/l	69

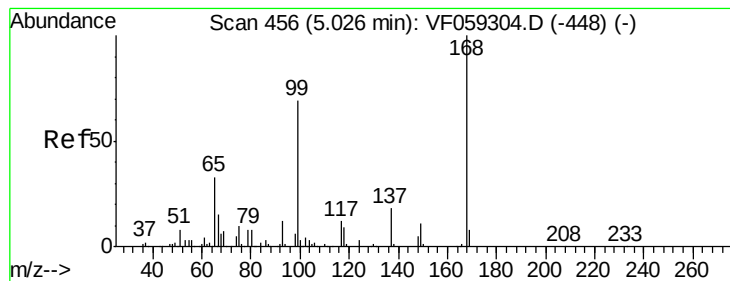
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	286377	50.974	ug/l	97
94) Hexachlorobutadiene	14.25	225	165104	52.613	ug/l	97
95) Naphthalene	14.52	128	631200	53.699	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	281725	52.935	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

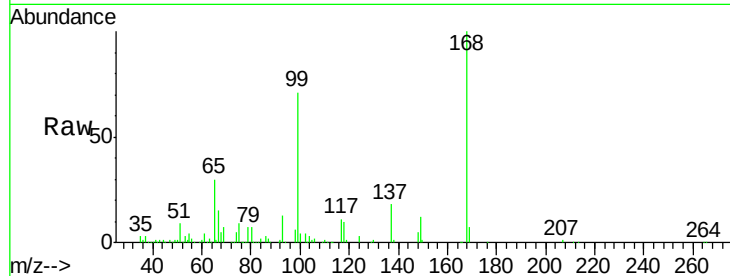
VSTDCCC050

Tot Ion:168 Resp: 271885

Ion Ratio Lower Upper

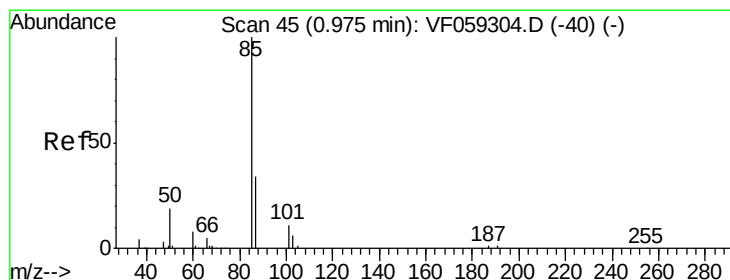
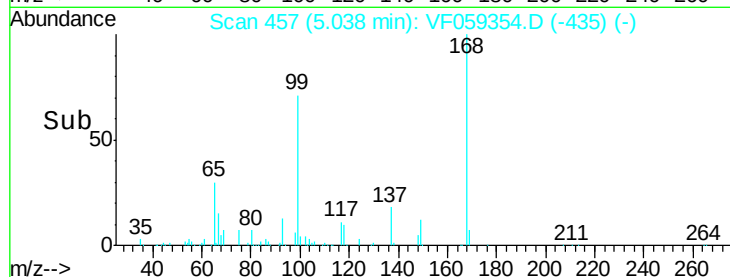
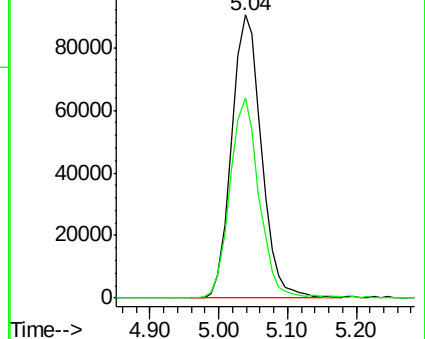
168 100

99 70.8 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 45.178 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059354.D

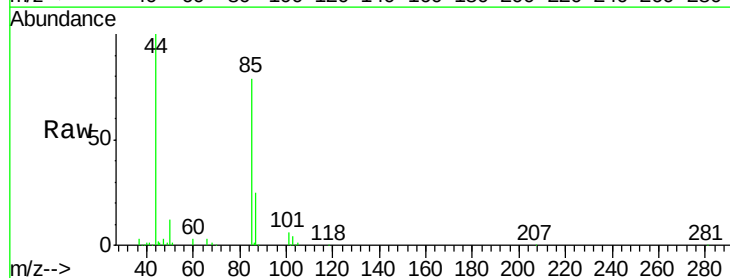
Acq: 28 Jun 2018 11:16

Tgt Ion: 85 Resp: 112224

Ion Ratio Lower Upper

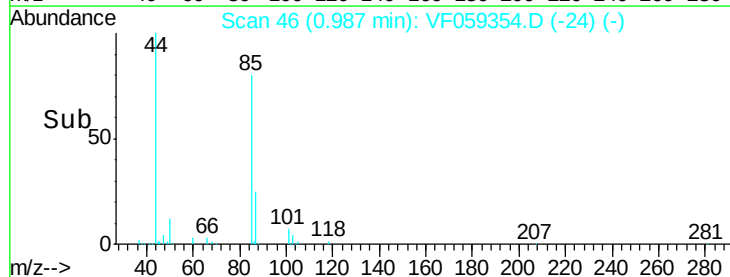
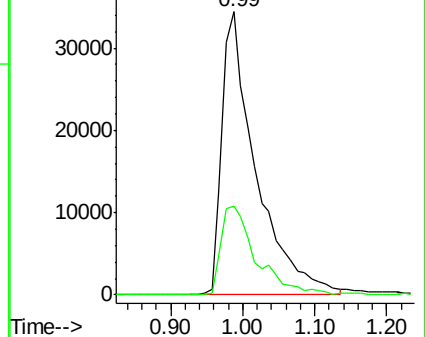
85 100

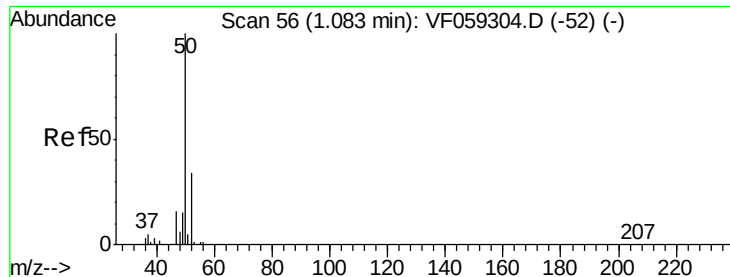
87 31.3 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 46.146 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

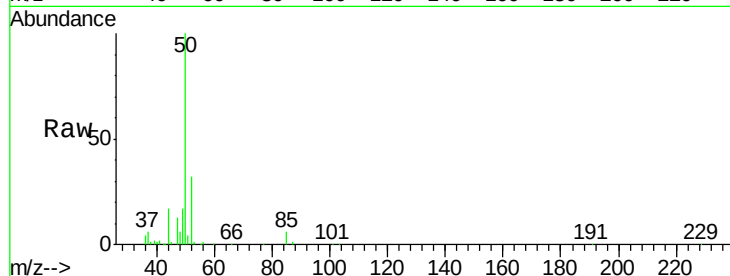
VSTDCCC050

Tot Ion: 50 Resp: 77010

Ion Ratio Lower Upper

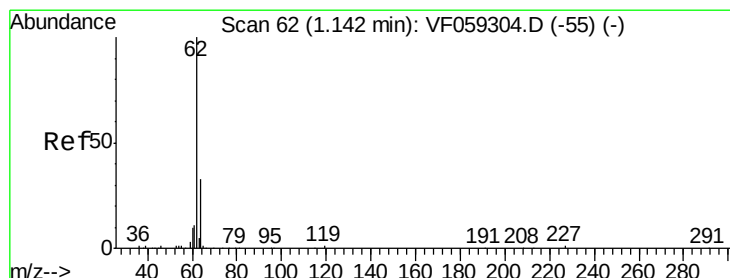
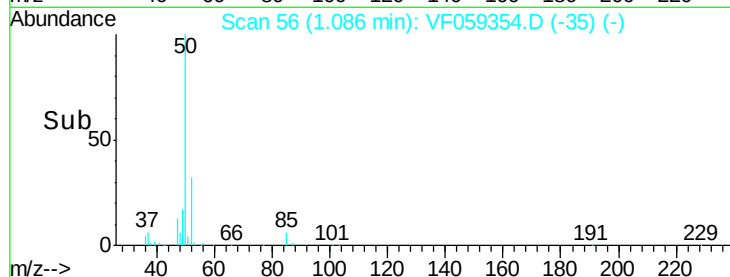
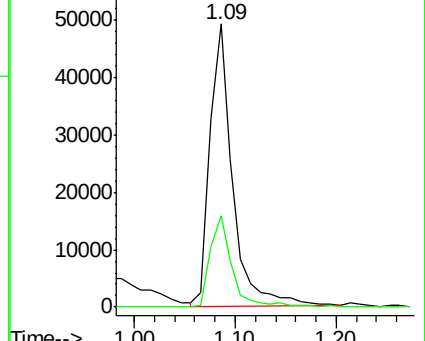
50 100

52 32.2 26.7 40.1



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 49.453 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF059354.D

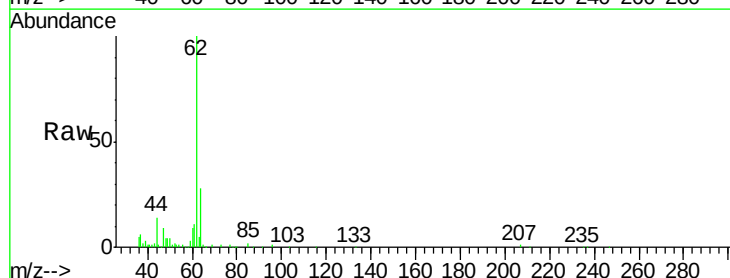
Acq: 28 Jun 2018 11:16

Tgt Ion: 62 Resp: 81234

Ion Ratio Lower Upper

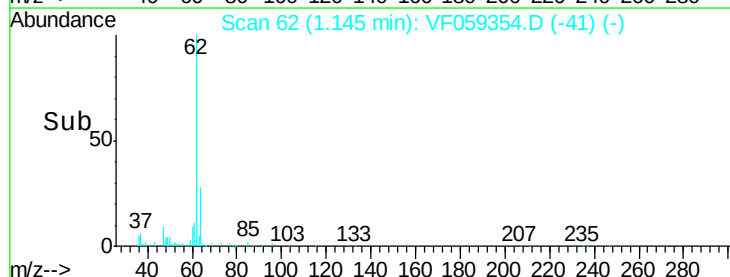
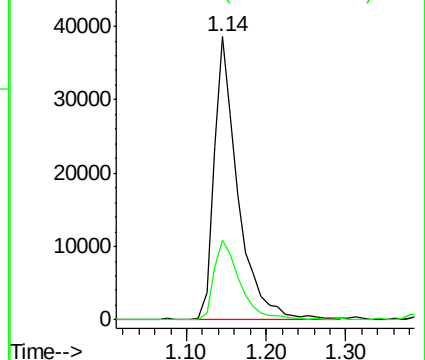
62 100

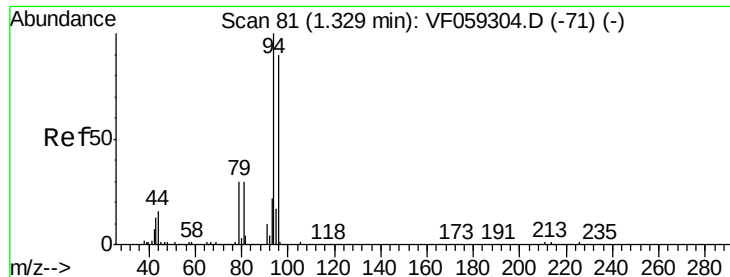
64 28.3 26.3 39.5



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 63.953 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

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ClientSampleId :

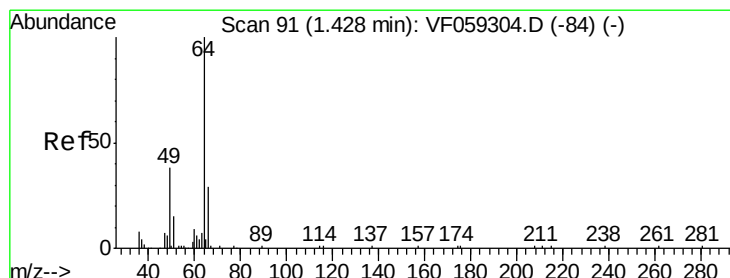
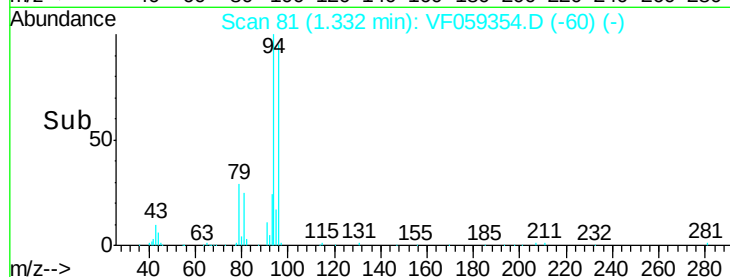
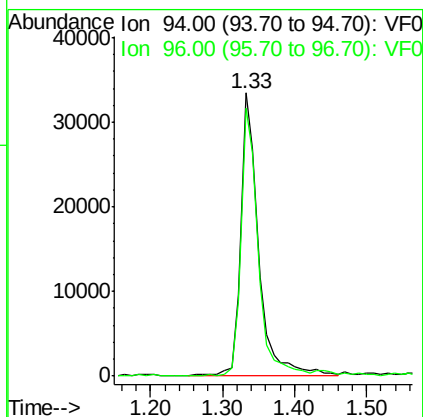
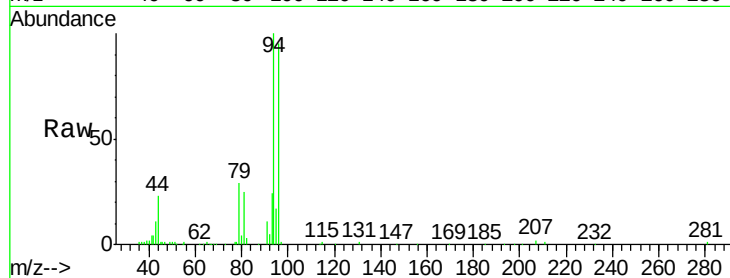
VSTDCCC050

Tot Ion: 94 Resp: 58387

Ion Ratio Lower Upper

94 100

96 94.6 73.4 110.0



#6

Chloroethane

Concen: 52.610 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059354.D

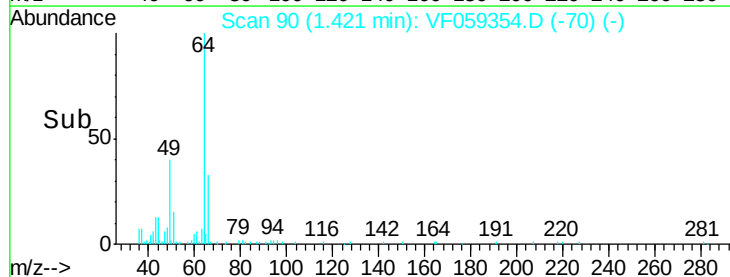
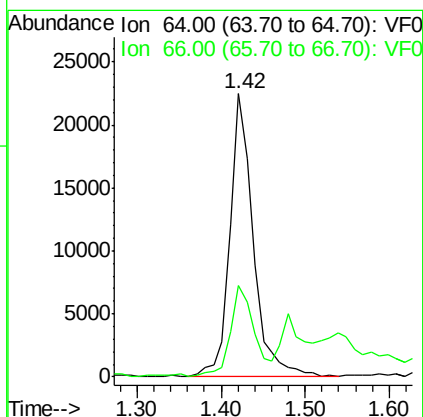
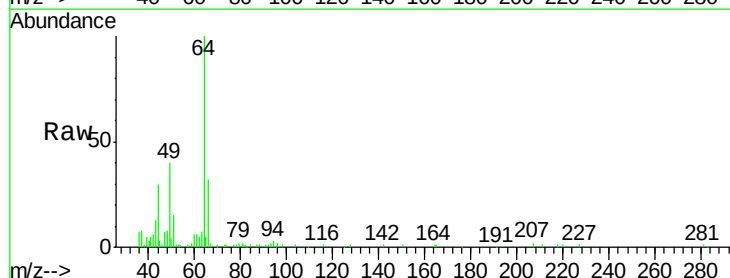
Acq: 28 Jun 2018 11:16

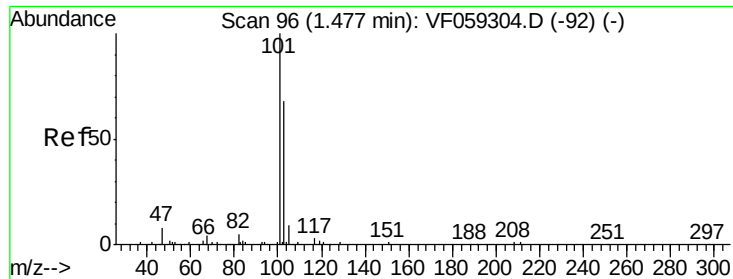
Tgt Ion: 64 Resp: 43527

Ion Ratio Lower Upper

64 100

66 32.4 23.9 35.9





#7

Trichlorofluoromethane

Concen: 18.529 ug/l

RT: 1.48 min Scan# 96

Delta R.T. 0.00 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

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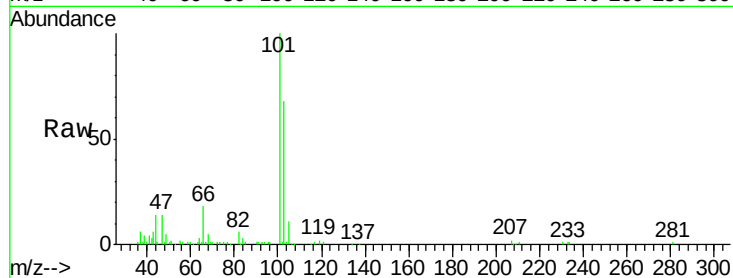
VSTDCCC050

Tot Ion:101 Resp: 60189

Ion Ratio Lower Upper

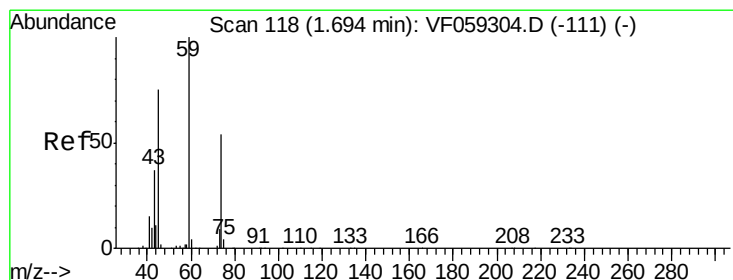
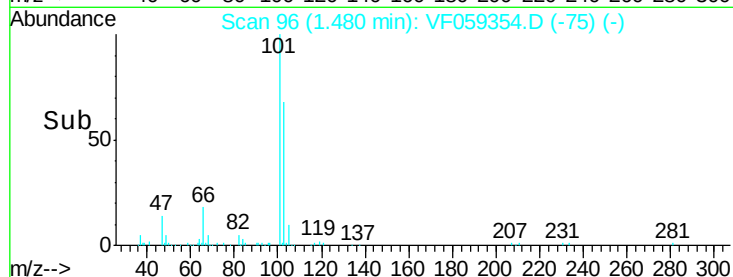
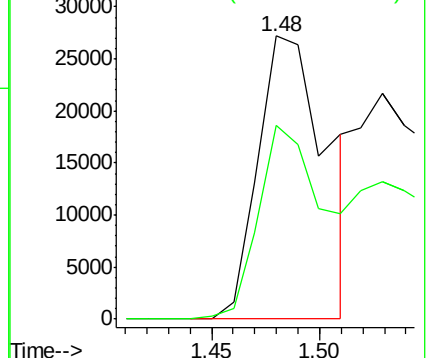
101 100

103 68.3 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 47.618 ug/l

RT: 1.70 min Scan# 118

Delta R.T. 0.00 min

Lab File: VF059354.D

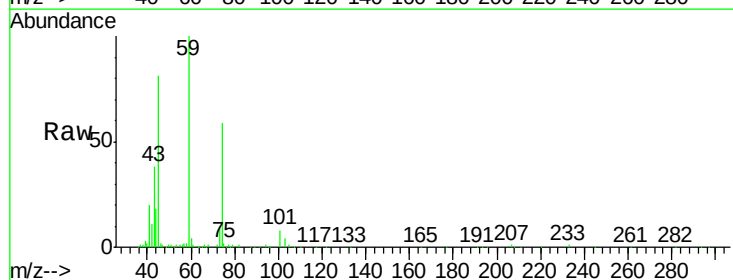
Acq: 28 Jun 2018 11:16

Tgt Ion: 74 Resp: 39660

Ion Ratio Lower Upper

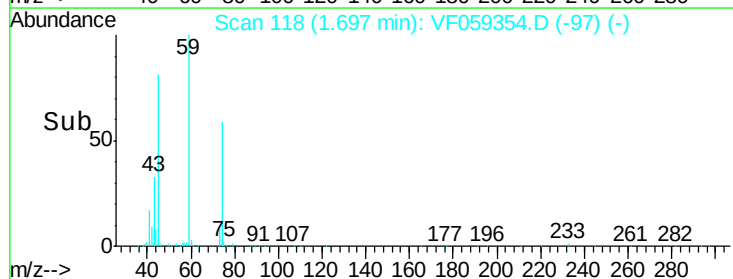
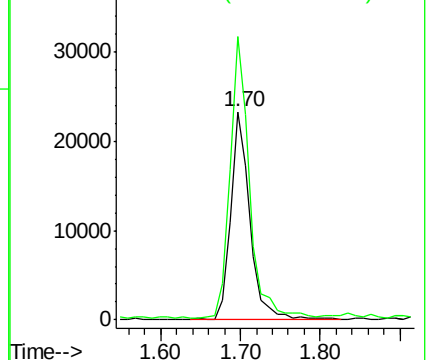
74 100

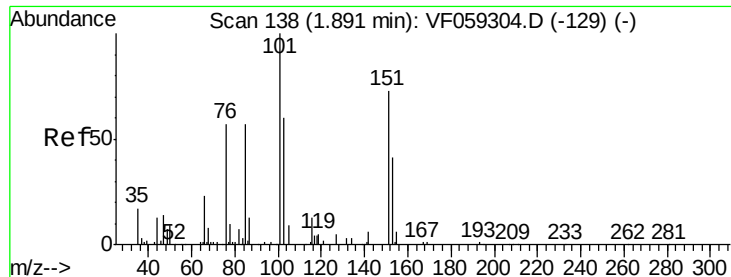
45 136.0 70.0 210.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.660 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

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VSTDCCC050

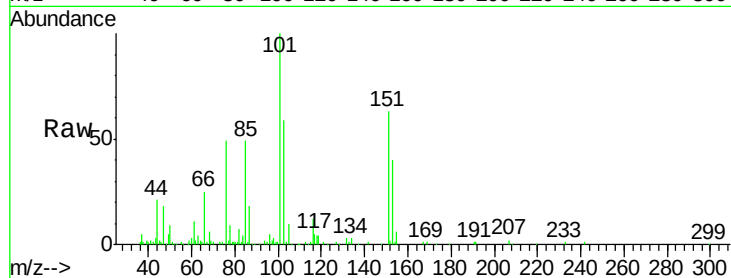
Tot Ion:101 Resp: 97952

Ion Ratio Lower Upper

101 100

85 48.9 44.5 66.7

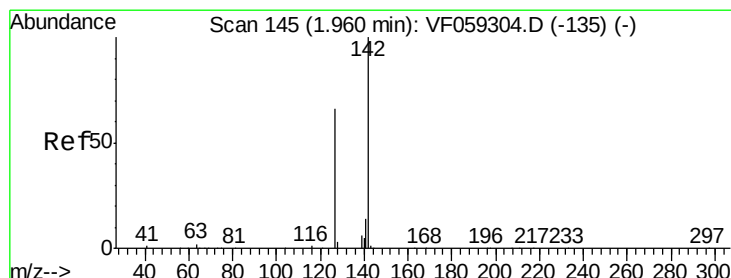
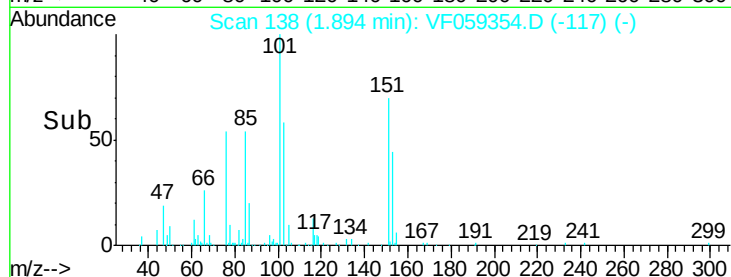
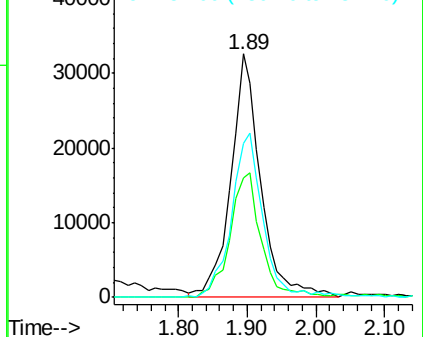
151 63.3 56.8 85.2



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: 48.625 ug/l

RT: 1.96 min Scan# 145

Delta R.T. 0.00 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

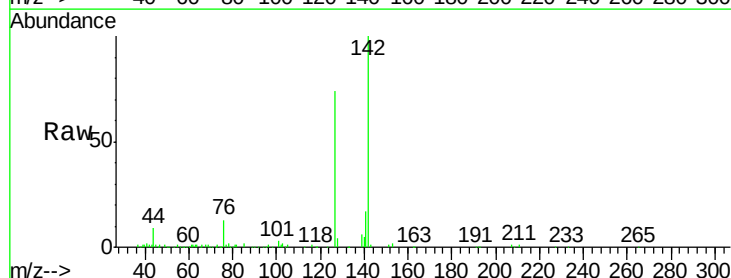
Tgt Ion:142 Resp: 168124

Ion Ratio Lower Upper

142 100

127 73.8 52.5 78.7

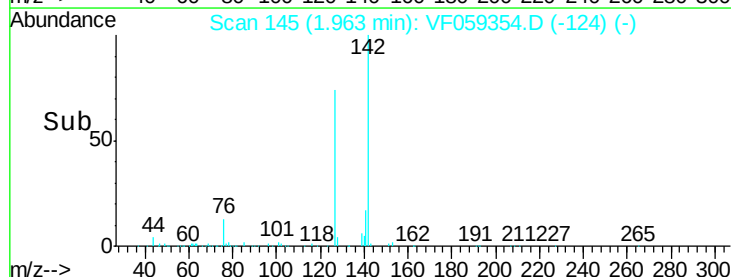
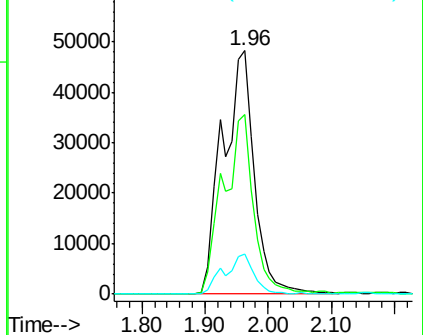
141 16.7 11.5 17.3

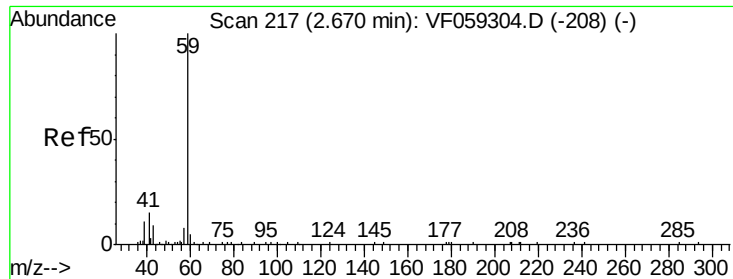


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

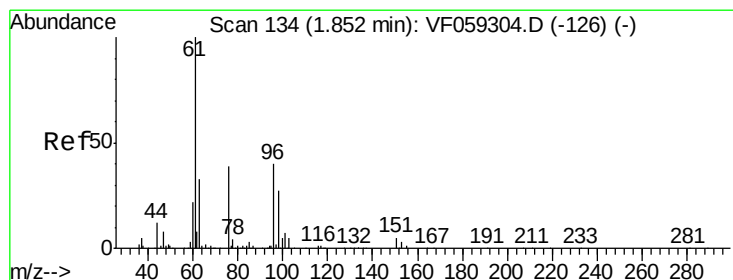
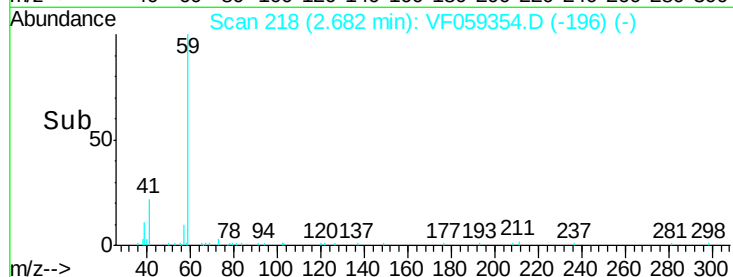
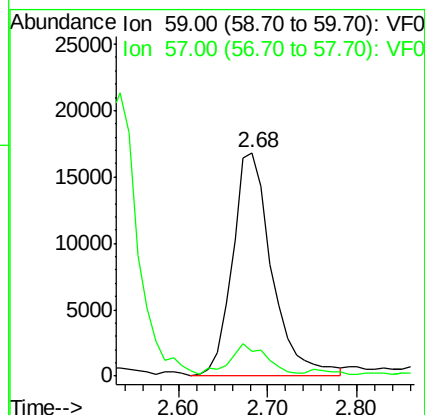
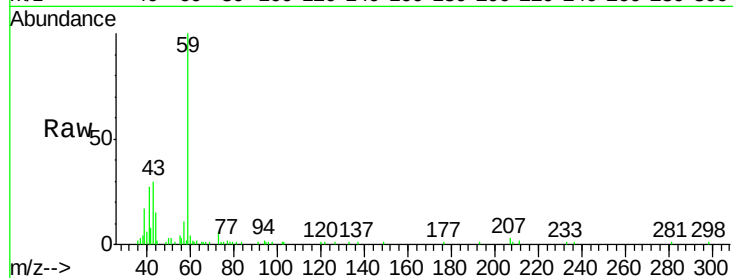




#11
Tert butyl alcohol
Concen: 222.827 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

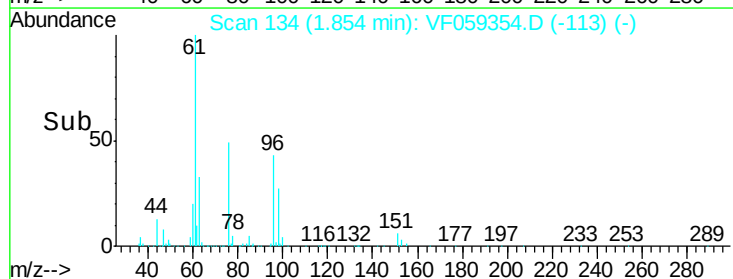
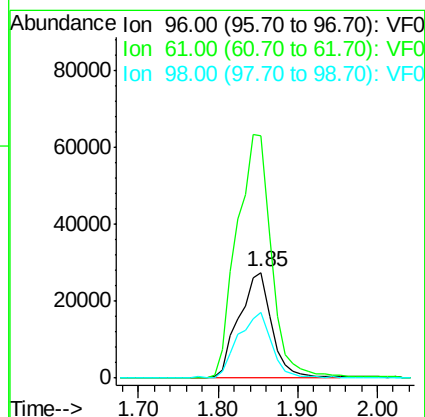
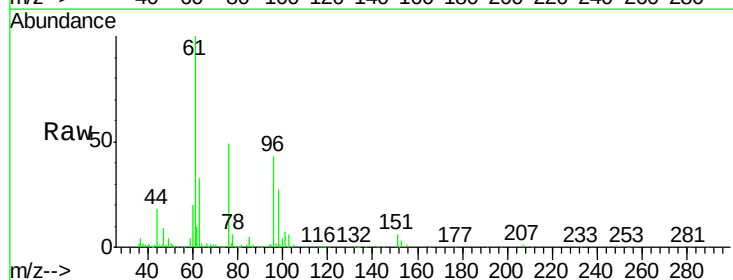
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

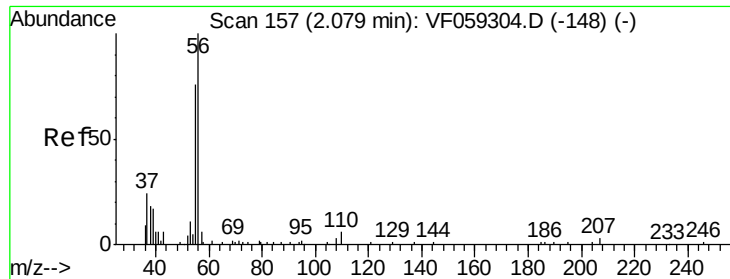
Tot Ion: 59 Resp: 52109
Ion Ratio Lower Upper
59 100
57 11.0 11.0 16.4



#12
1,1-Dichloroethene
Concen: 49.408 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion: 96 Resp: 79197
Ion Ratio Lower Upper
96 100
61 229.9 201.1 301.7
98 62.7 53.9 80.9

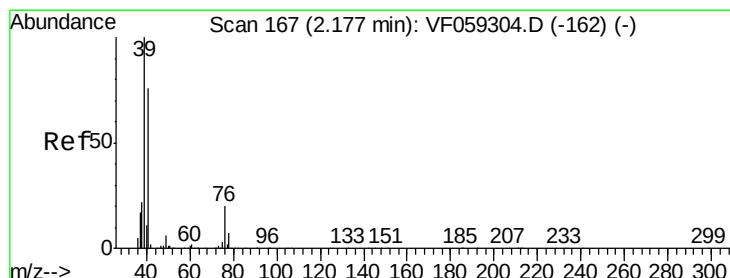
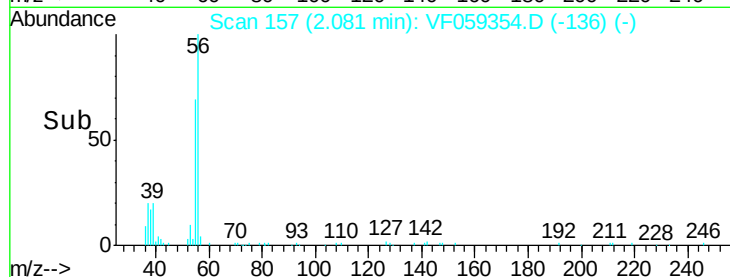
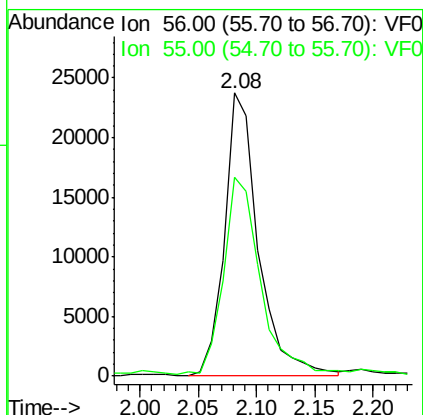
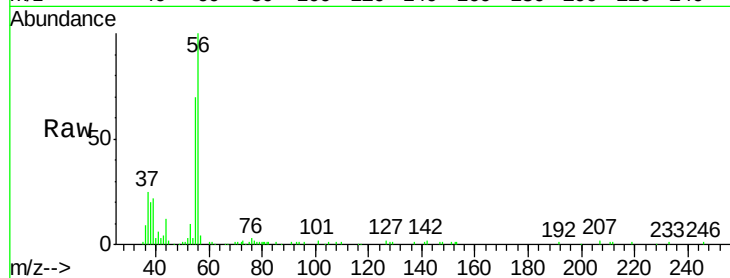




#13
Acrolein
Concen: 445.824 ug/l
RT: 2.08 min Scan# 157
Delta R.T. 0.00 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

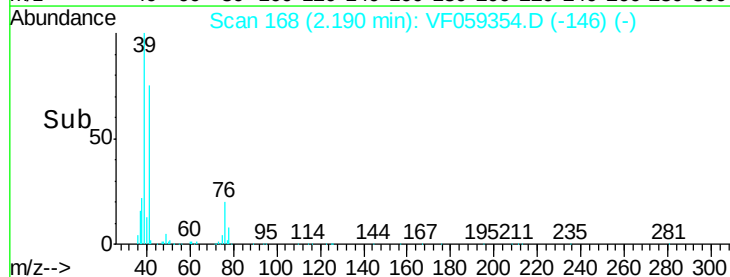
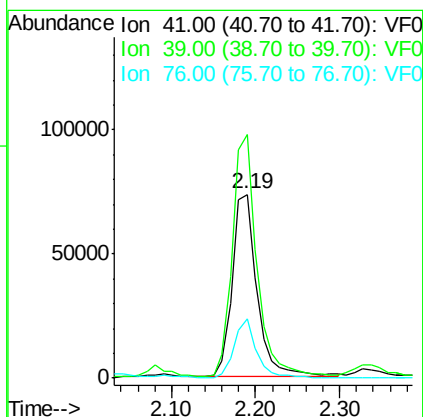
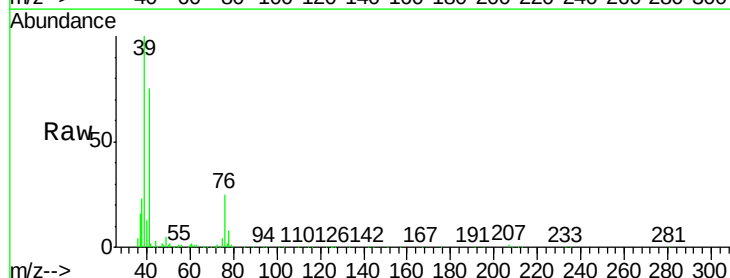
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

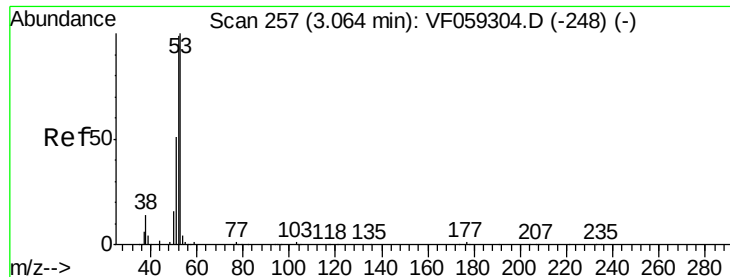
Tot Ion: 56 Resp: 48024
Ion Ratio Lower Upper
56 100
55 70.4 62.4 93.6



#14
Allyl chloride
Concen: 50.520 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion: 41 Resp: 152015
Ion Ratio Lower Upper
41 100
39 132.7 105.6 158.4
76 32.5 21.6 32.4#





#15

Acrylonitrile

Concen: 218.412 ug/l

RT: 3.07 min Scan# 257

Delta R.T. 0.00 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

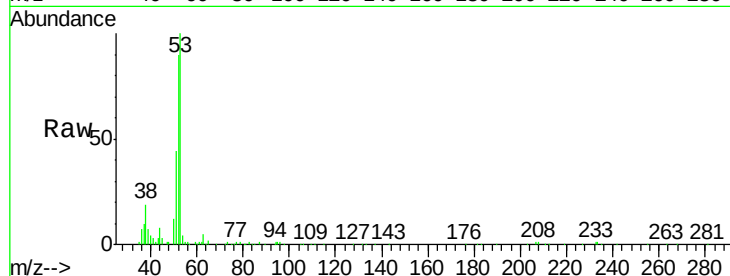
Tot Ion: 53 Resp: 89945

Ion Ratio Lower Upper

53 100

52 90.4 79.2 118.8

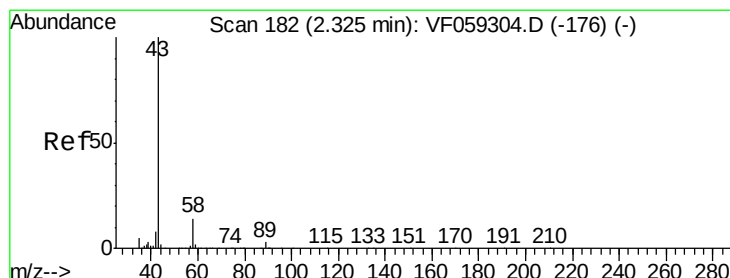
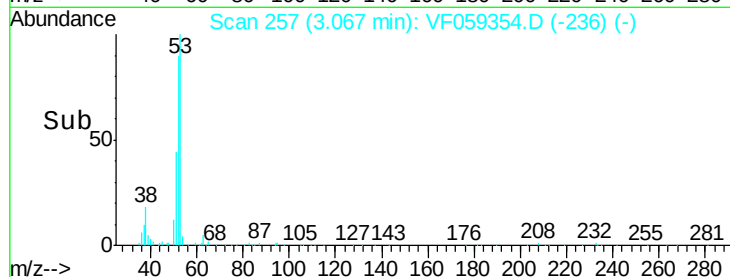
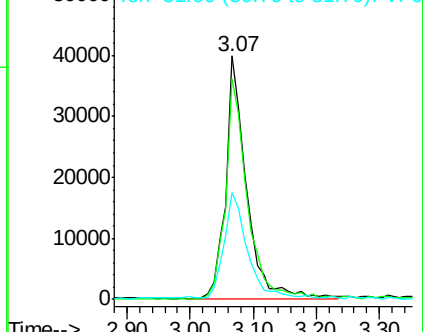
51 43.9 40.9 61.3



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 301.416 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF059354.D

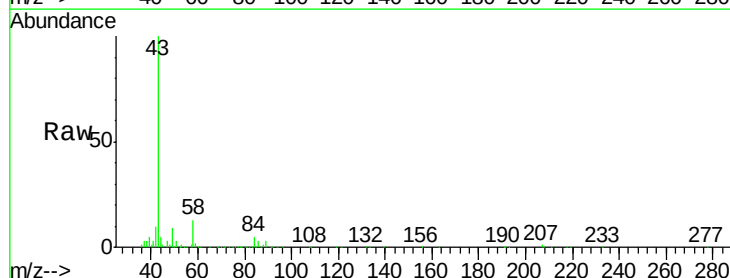
Acq: 28 Jun 2018 11:16

Tgt Ion: 43 Resp: 262589

Ion Ratio Lower Upper

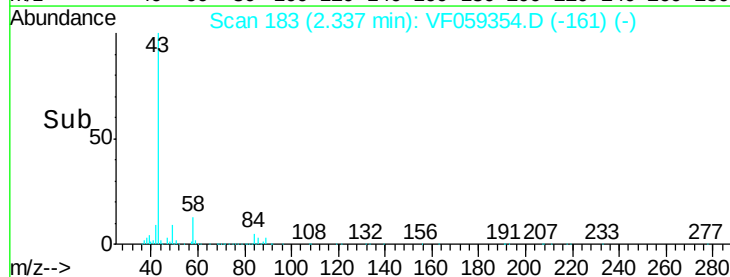
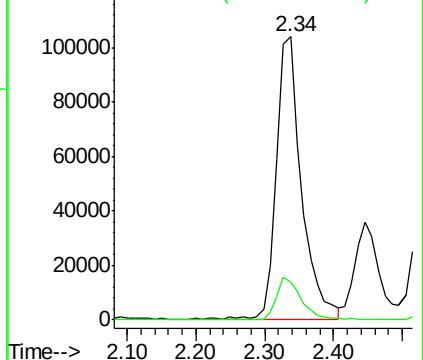
43 100

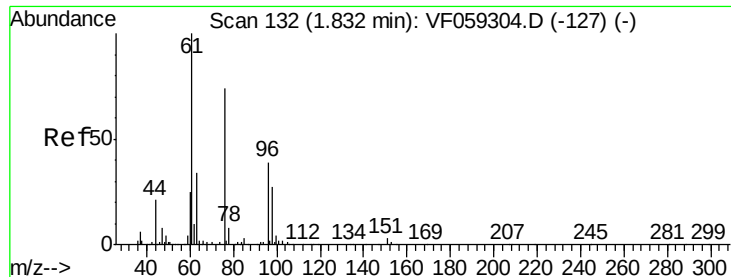
58 13.2 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

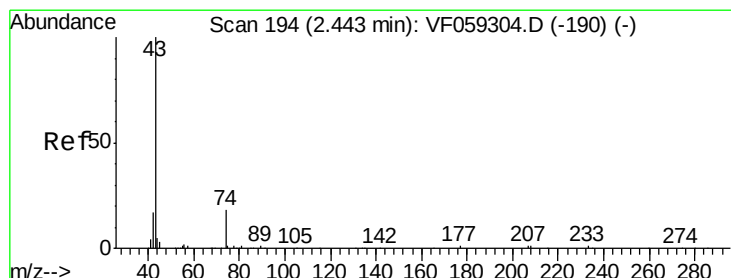
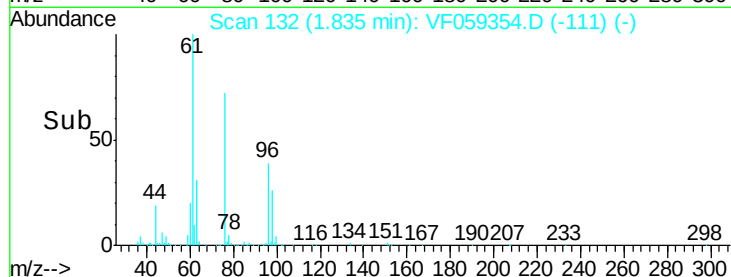
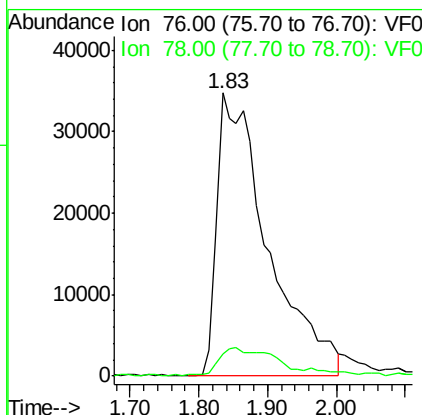
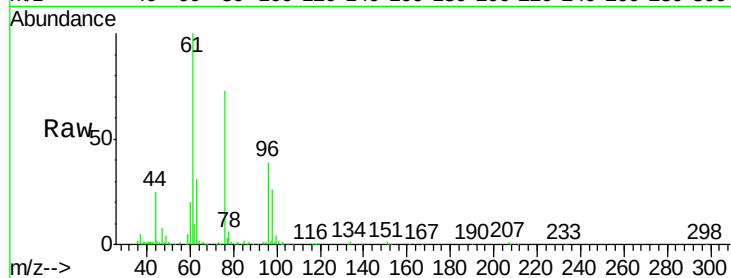




#17
Carbon Disulfide
Concen: 46.914 ug/l
RT: 1.83 min Scan# 132
Delta R.T. 0.00 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

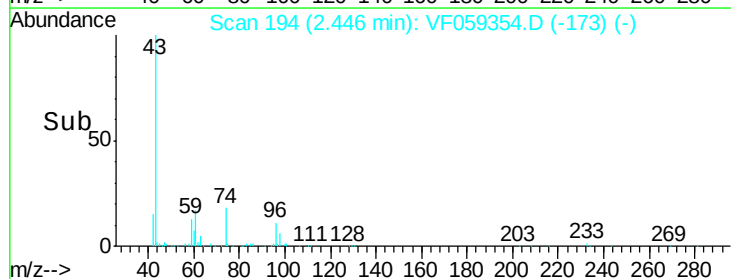
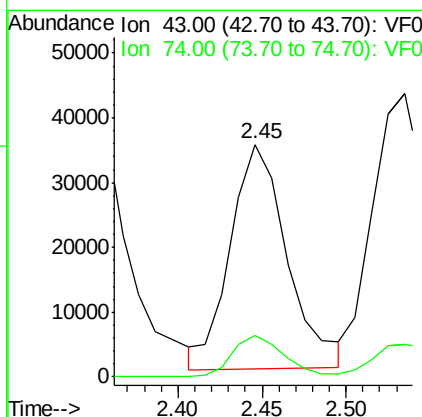
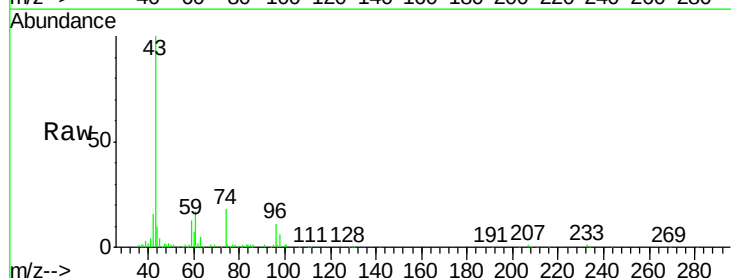
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

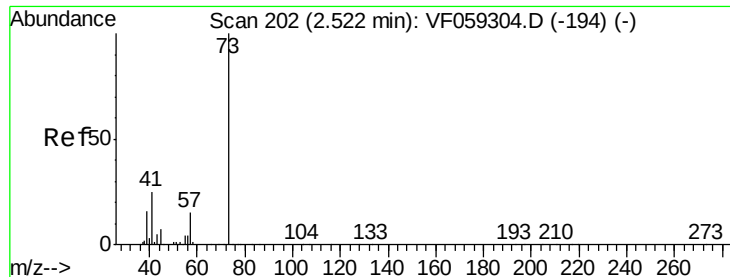
Tot Ion: 76 Resp: 176891
Ion Ratio Lower Upper
76 100
78 7.8 8.9 13.3#



#18
Methyl Acetate
Concen: 51.257 ug/l
RT: 2.45 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion: 43 Resp: 81220
Ion Ratio Lower Upper
43 100
74 17.9 13.3 19.9



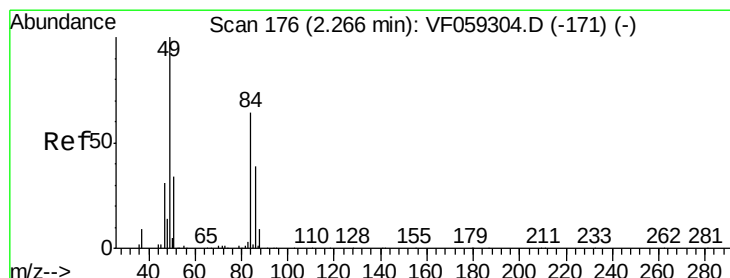
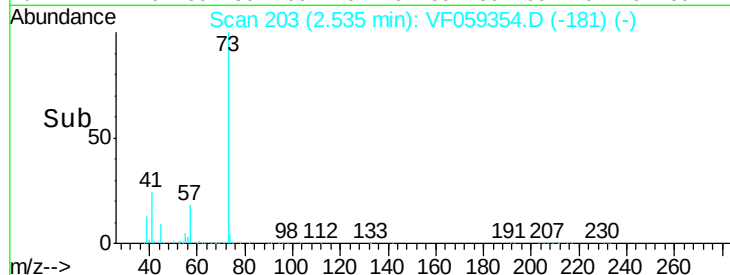
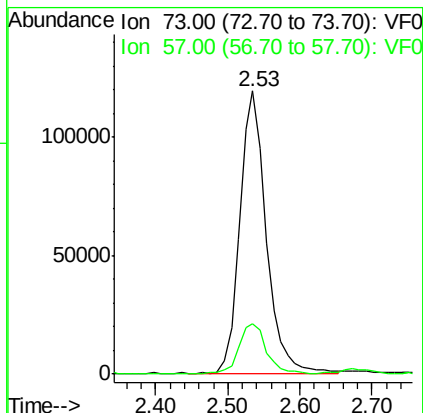
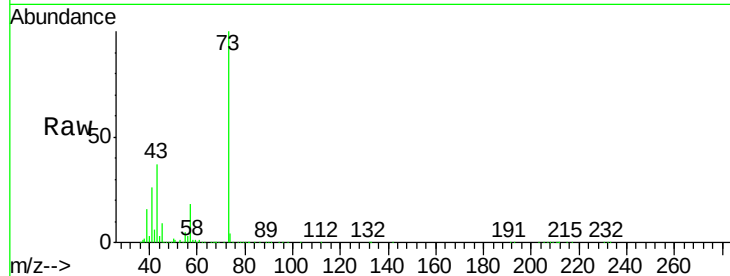


#19

Methyl tert-butyl Ether
 Concen: 51.542 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.01 min
 Lab File: VF059354.D
 Acq: 28 Jun 2018 11:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

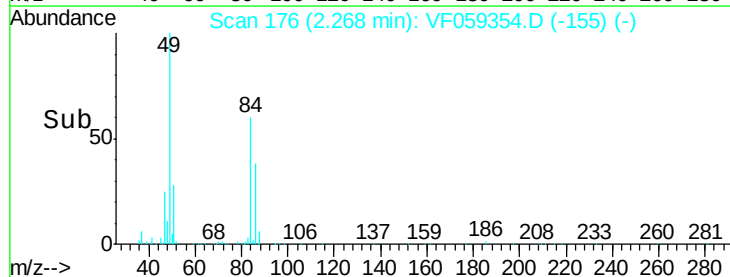
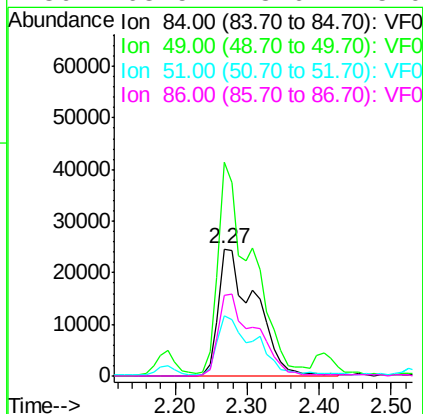
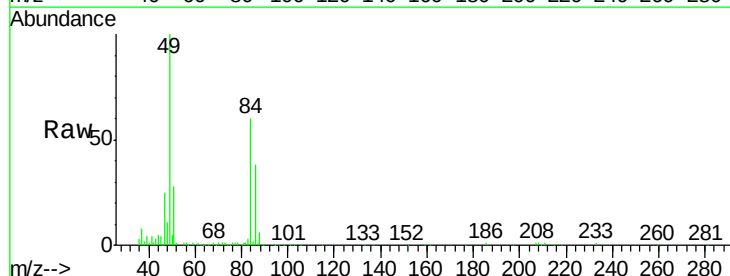
Tot Ion: 73 Resp: 308164
 Ion Ratio Lower Upper
 73 100
 57 17.9 12.3 18.5

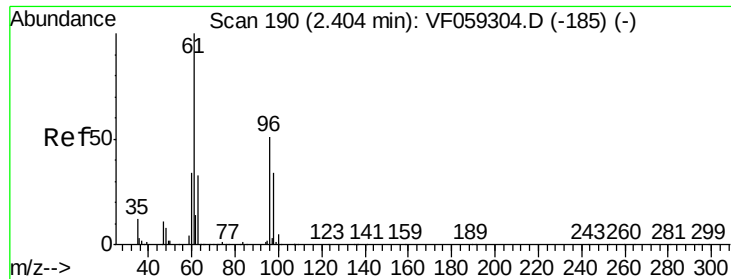


#20

Methylene Chloride
 Concen: 42.710 ug/l
 RT: 2.27 min Scan# 176
 Delta R.T. 0.00 min
 Lab File: VF059354.D
 Acq: 28 Jun 2018 11:16

Tgt Ion: 84 Resp: 86260
 Ion Ratio Lower Upper
 84 100
 49 167.8 126.5 189.7
 51 47.7 42.9 64.3
 86 63.5 48.6 73.0





#21

trans-1,2-Dichloroethene

Concen: 47.428 ug/l

RT: 2.41 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

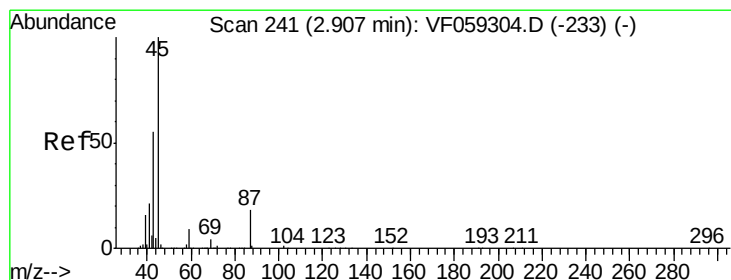
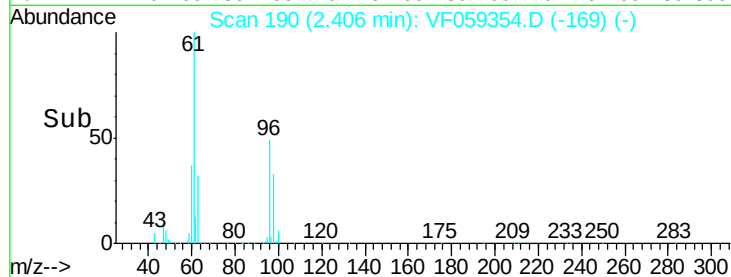
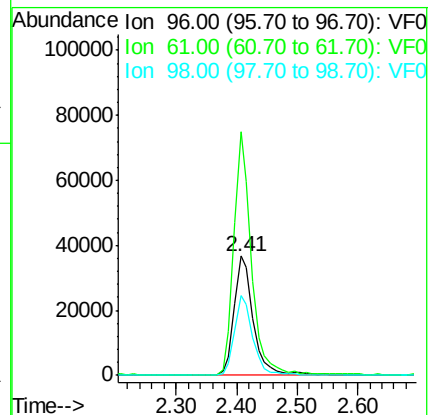
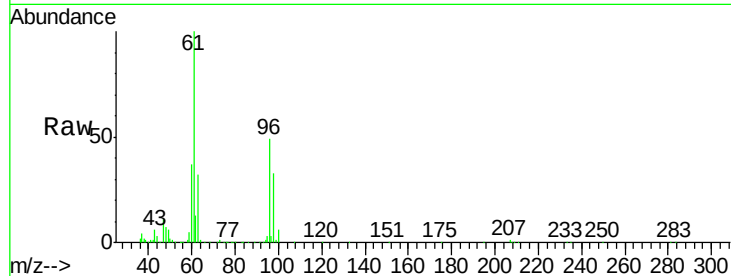
Tot Ion: 96 Resp: 81097

Ion Ratio Lower Upper

96 100

61 204.6 157.4 236.2

98 67.3 53.7 80.5



#22

Diisopropyl ether

Concen: 48.417 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Tgt Ion: 45 Resp: 322608

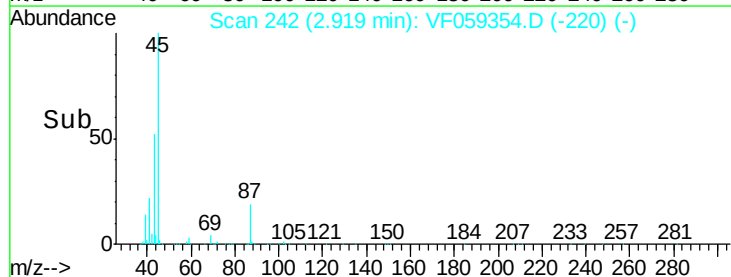
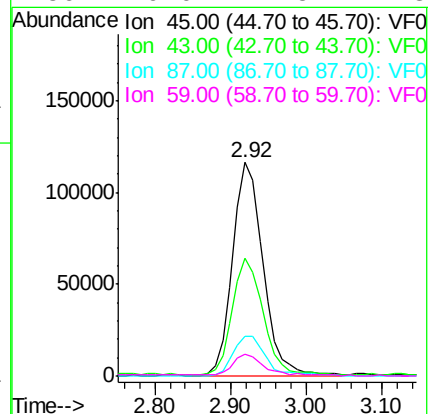
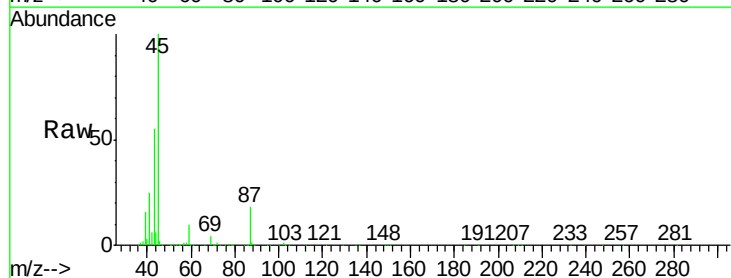
Ion Ratio Lower Upper

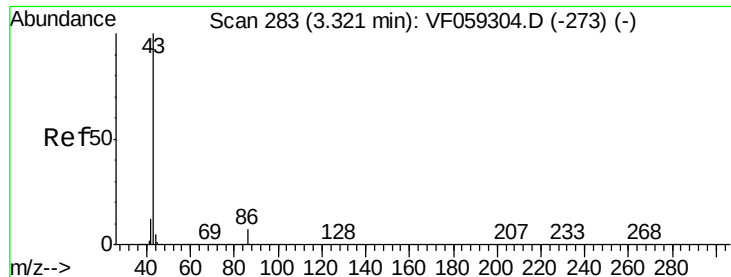
45 100

43 55.0 44.6 66.8

87 18.5 14.3 21.5

59 10.0 7.5 11.3





#23

Vinyl Acetate

Concen: 242.539 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

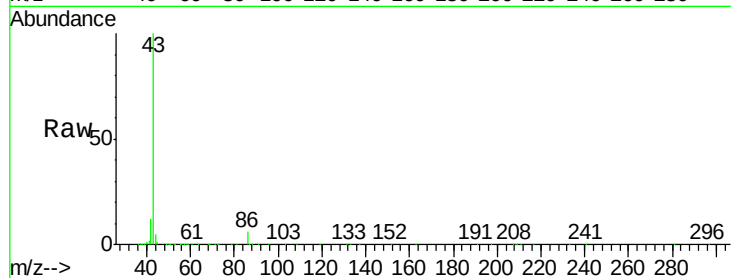
MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1029208

Ion	Ratio	Lower	Upper
43	100		
86	6.3	5.8	8.6

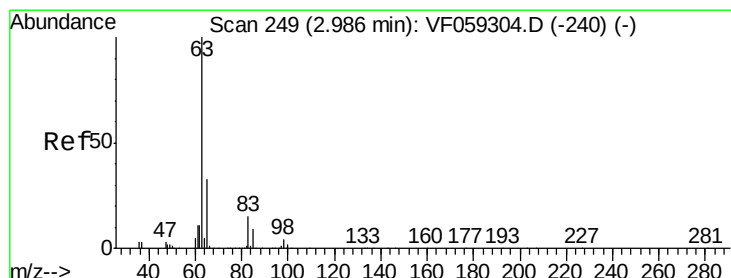
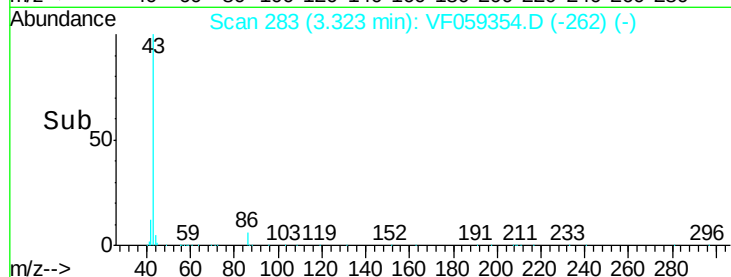


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.32

Time-->



#24

1,1-Dichloroethane

Concen: 46.077 ug/l

RT: 3.00 min Scan# 250

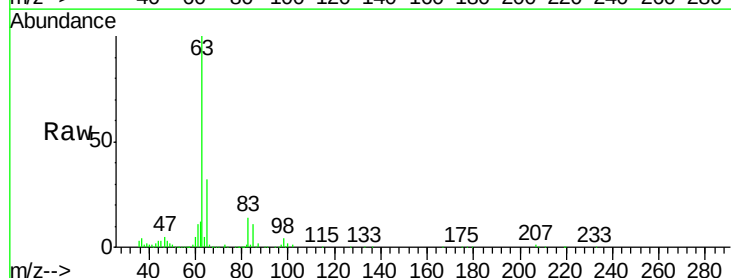
Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Tgt Ion: 63 Resp: 190355

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.0	6.0
100	2.4	1.3	3.9



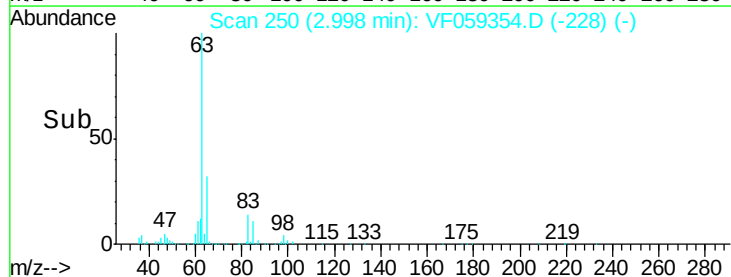
Abundance Ion 63.00 (62.70 to 63.70): VF0

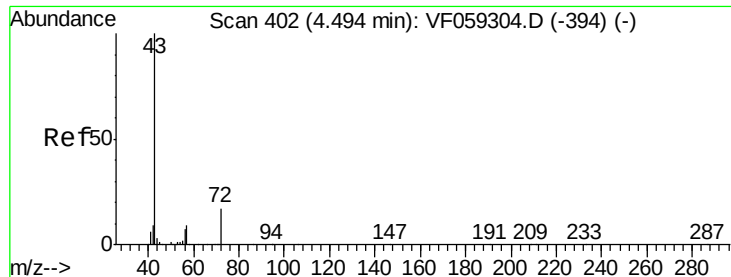
Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

3.00

Time-->





#25

2-Butanone

Concen: 261.586 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

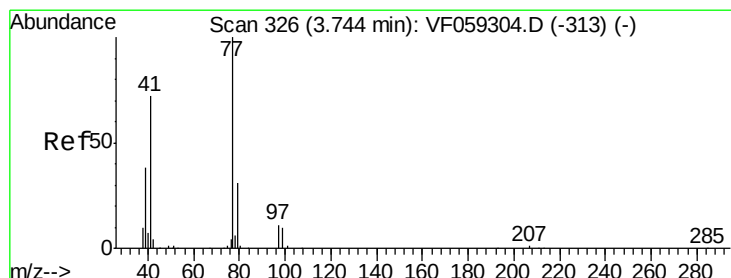
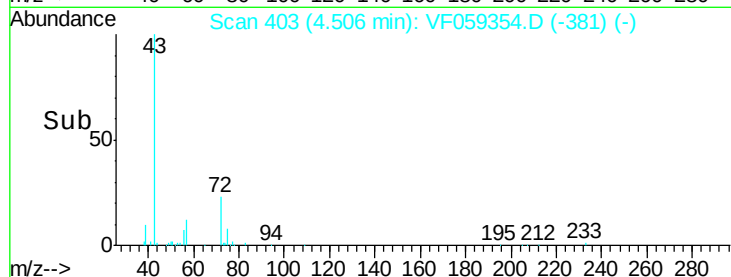
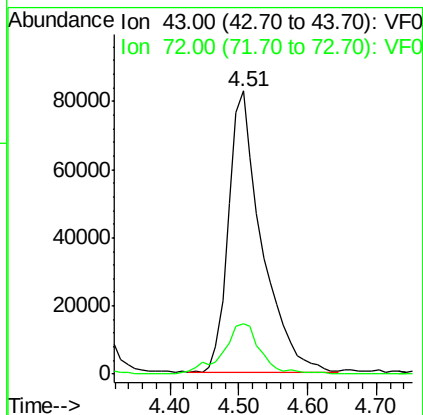
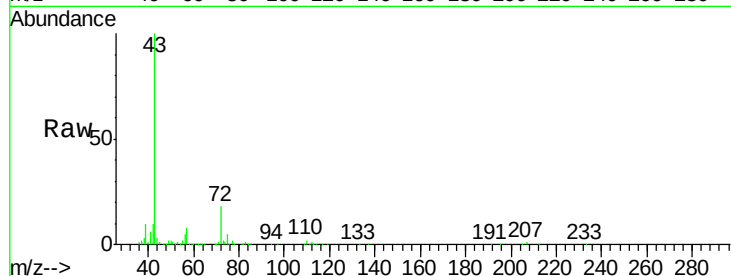
VSTDCCC050

Tot Ion: 43 Resp: 277834

Ion Ratio Lower Upper

43 100

72 17.9 14.4 21.6



#26

2,2-Dichloropropane

Concen: 49.906 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.01 min

Lab File: VF059354.D

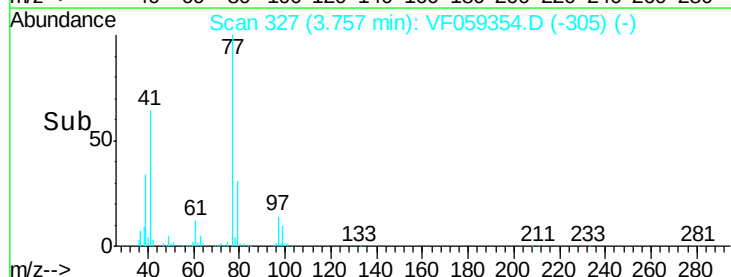
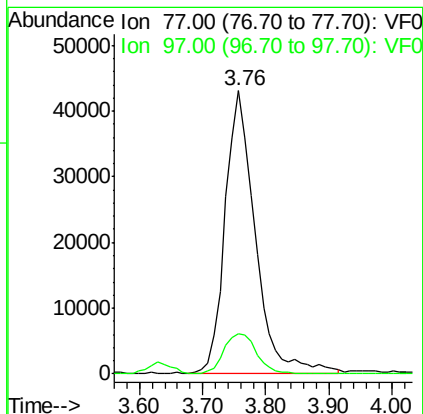
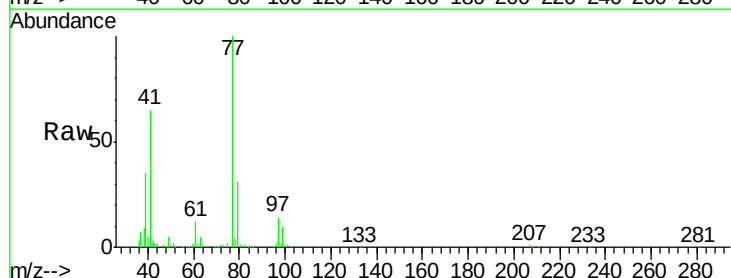
Acq: 28 Jun 2018 11:16

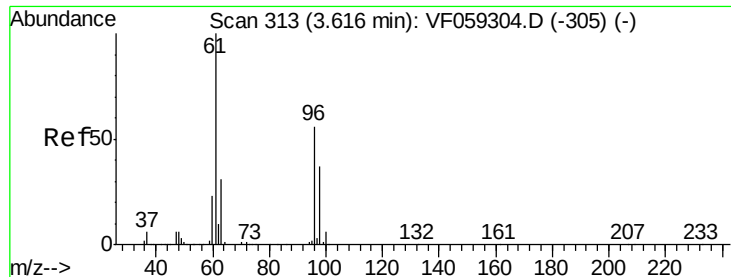
Tgt Ion: 77 Resp: 142201

Ion Ratio Lower Upper

77 100

97 14.4 8.0 23.8



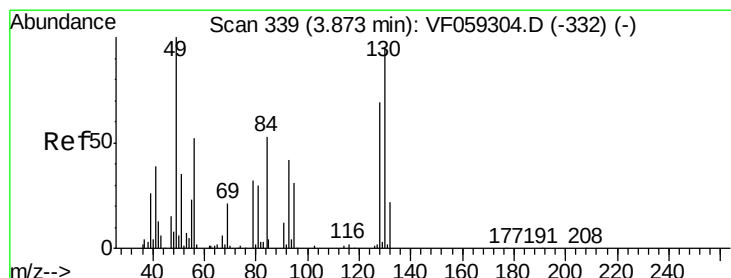
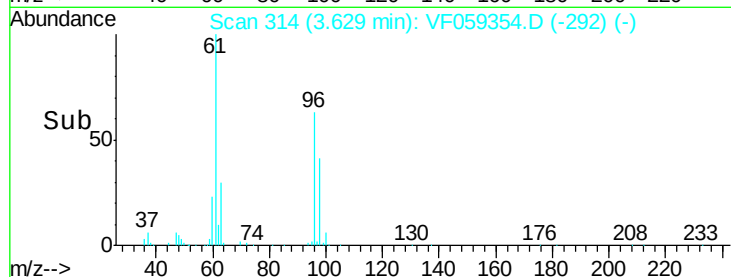
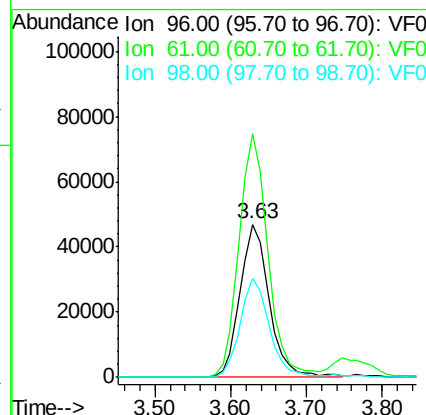
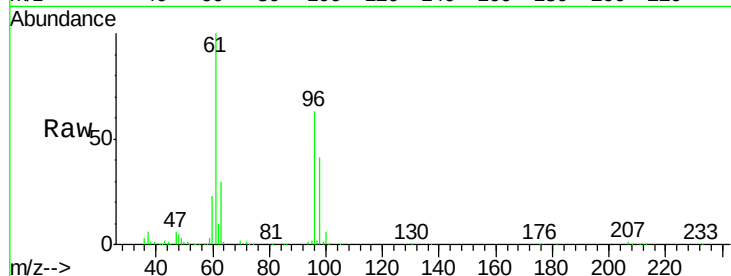


#27

cis-1,2-Dichloroethene
Concen: 48.397 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

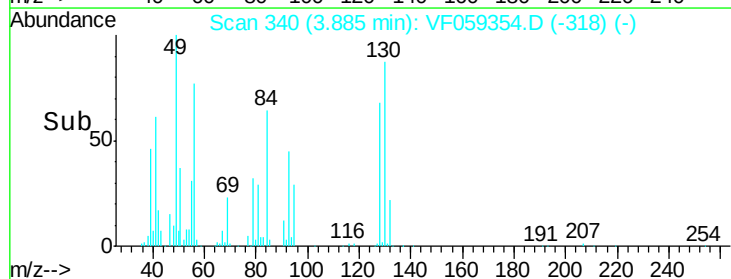
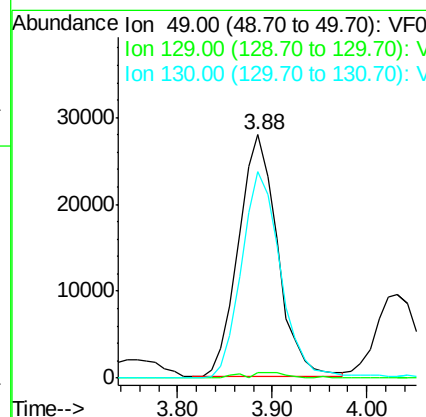
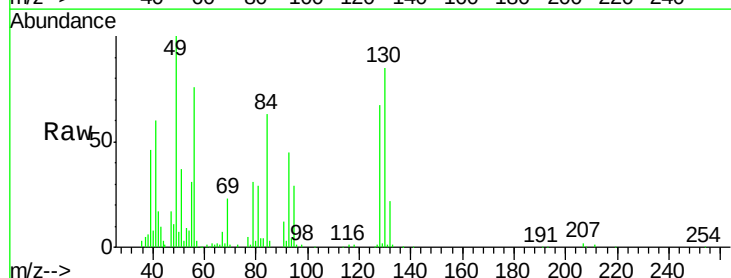
Tot Ion	96	Resp	125643
Ion	Ratio	Lower	Upper
96	100		
61	159.4	0.0	355.4
98	65.1	0.0	131.0

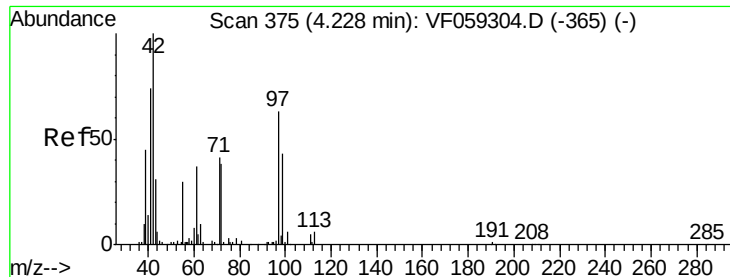


#28

Bromochloromethane
Concen: 50.214 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion	49	Resp	79636
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	6.4
130	84.9	75.1	112.7





#29

Tetrahydrofuran

Concen: 263.969 ug/l

RT: 4.25 min Scan# 377

Delta R.T. 0.02 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

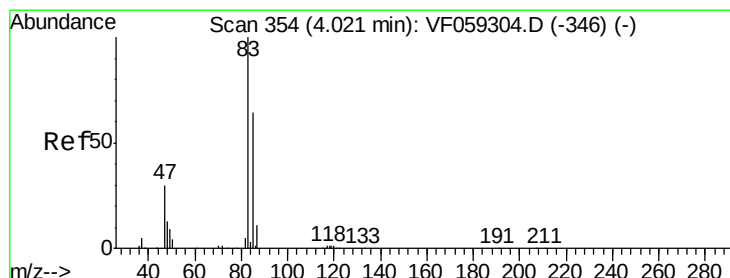
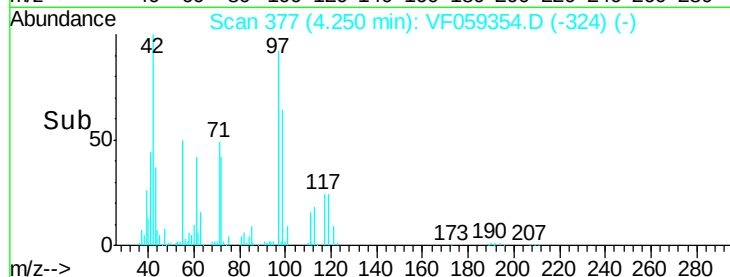
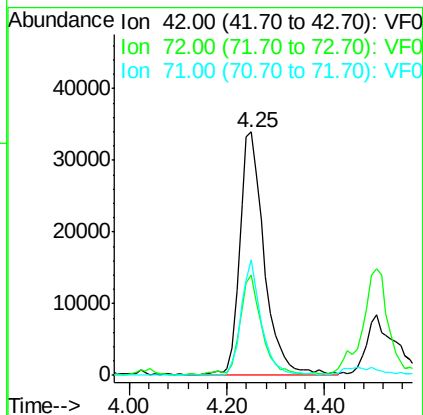
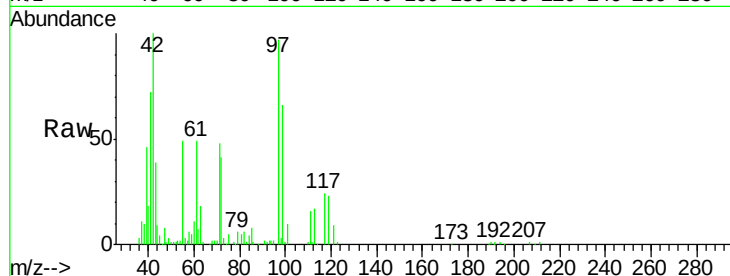
Tot Ion: 42 Resp: 119039

Ion Ratio Lower Upper

42 100

72 34.7 30.5 45.7

71 38.0 32.5 48.7



#30

Chloroform

Concen: 48.072 ug/l

RT: 4.03 min Scan# 355

Delta R.T. 0.01 min

Lab File: VF059354.D

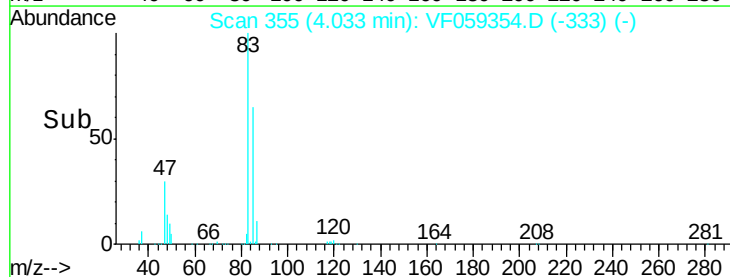
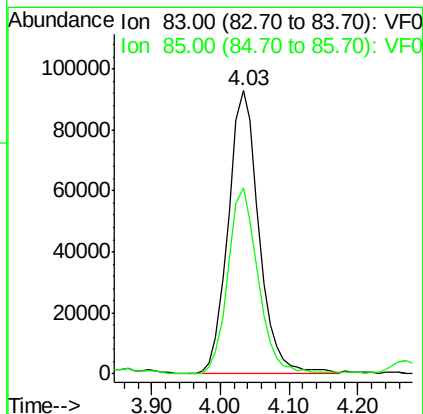
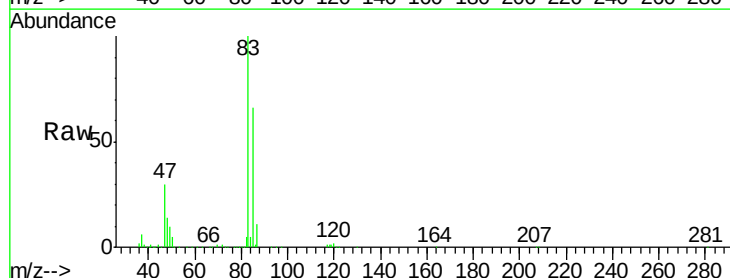
Acq: 28 Jun 2018 11:16

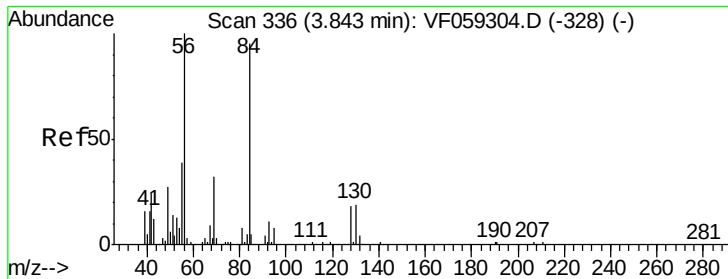
Tgt Ion: 83 Resp: 287499

Ion Ratio Lower Upper

83 100

85 65.8 51.3 76.9





#31

Cyclohexane

Concen: 43.999 ug/l

RT: 3.86 min Scan# 337

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

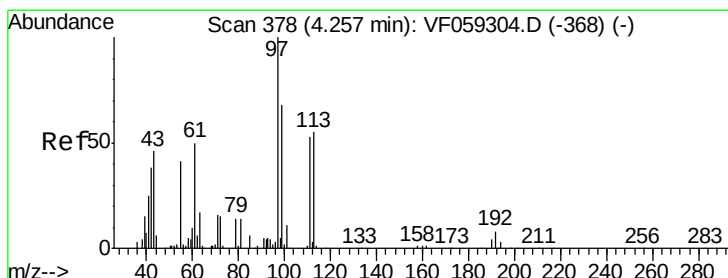
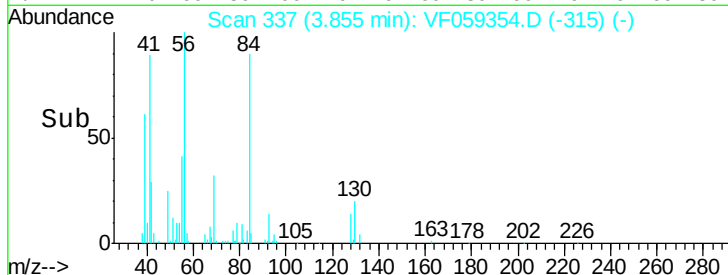
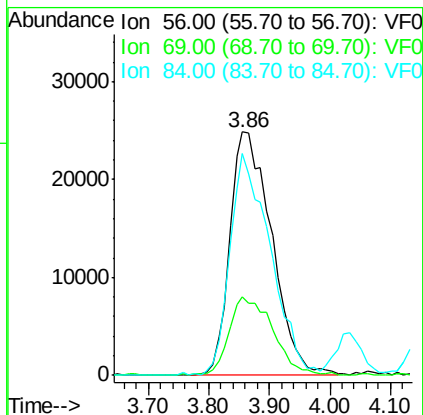
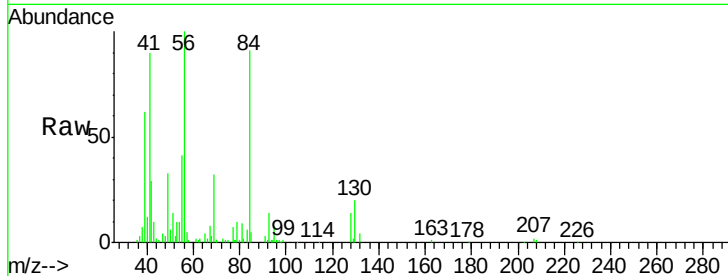
Tot Ion: 56 Resp: 119076

Ion Ratio Lower Upper

56 100

69 32.2 25.8 38.8

84 90.9 75.6 113.4



#32

1,1,1-Trichloroethane

Concen: 49.796 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

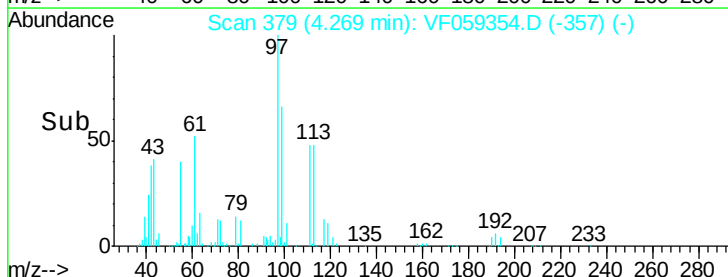
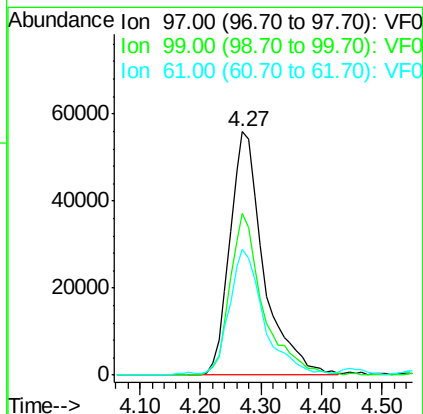
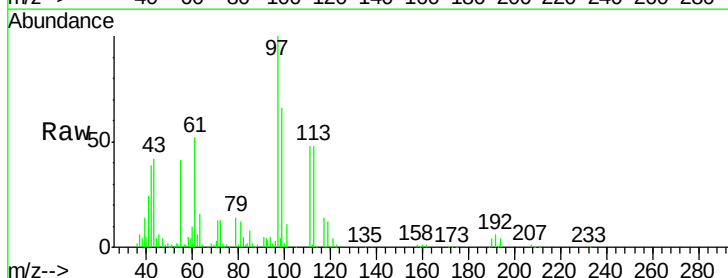
Tgt Ion: 97 Resp: 217934

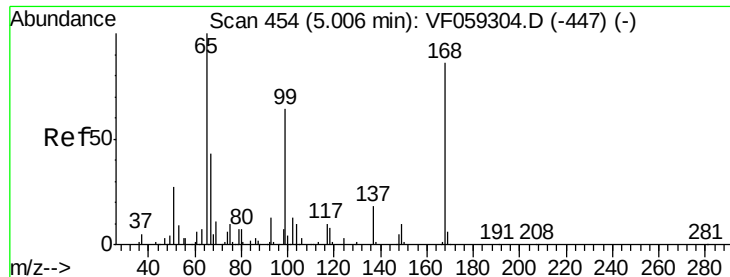
Ion Ratio Lower Upper

97 100

99 66.3 54.1 81.1

61 51.6 41.2 61.8





#33

1,2-Dichloroethane-d4

Concen: 45.395 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

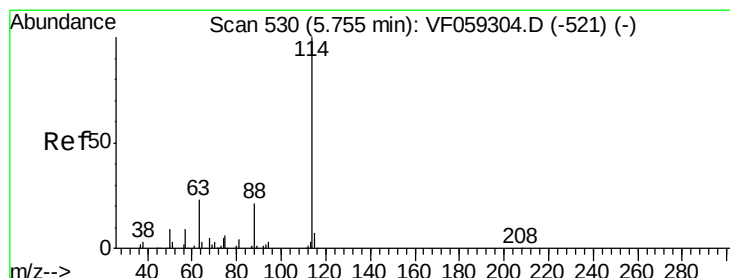
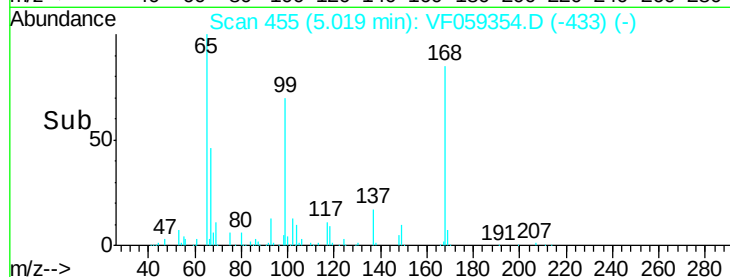
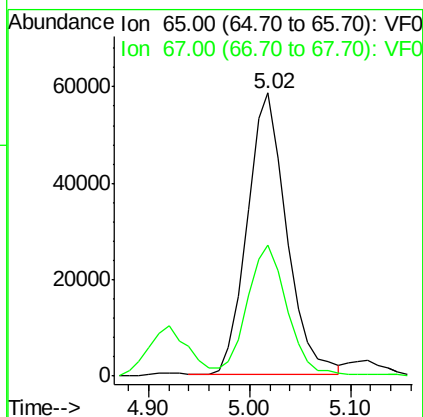
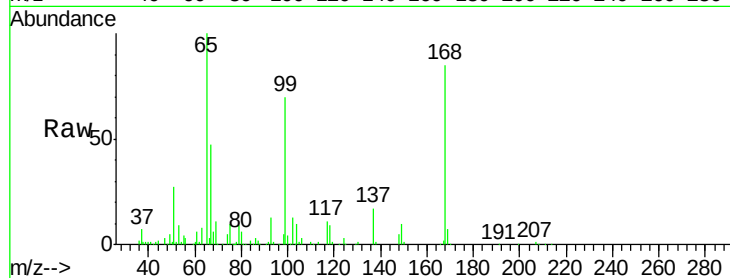
VSTDCCC050

Tot Ion: 65 Resp: 159460

Ion Ratio Lower Upper

65 100

67 46.5 0.0 96.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

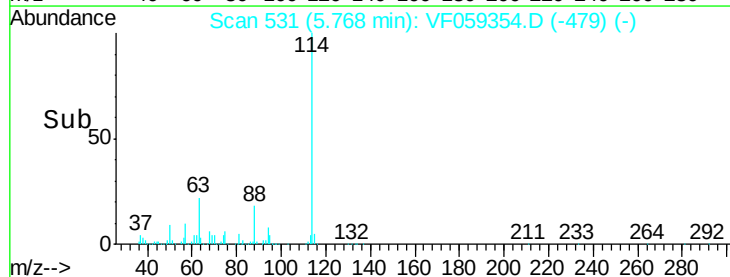
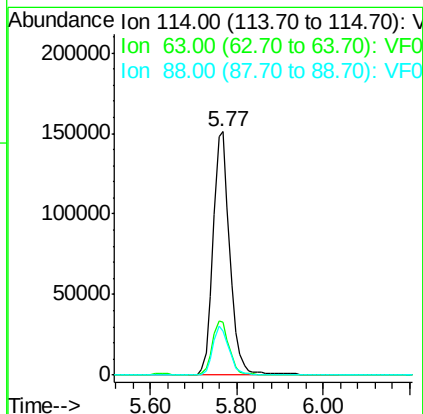
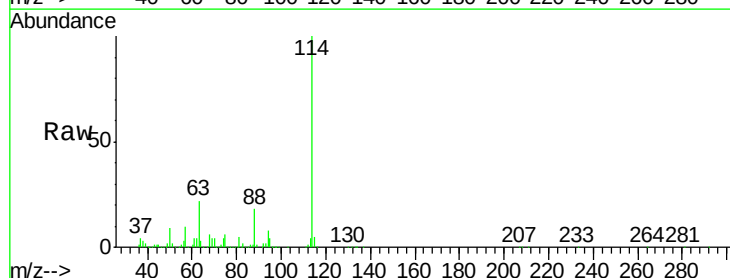
Tgt Ion: 114 Resp: 407761

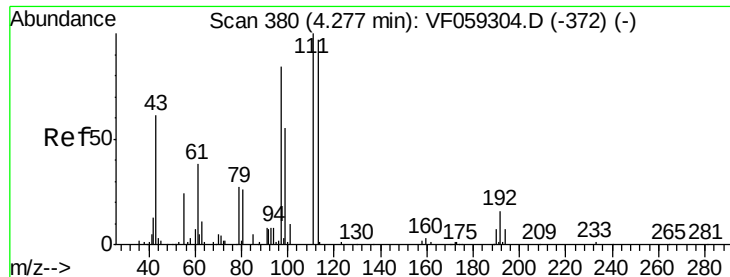
Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.8

88 18.2 0.0 41.2





#35

Dibromofluoromethane

Concen: 46.781 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

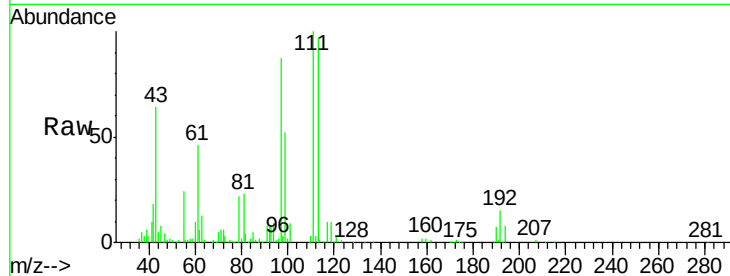
Tot Ion:113 Resp: 139378

Ion Ratio Lower Upper

113 100

111 102.6 82.1 123.1

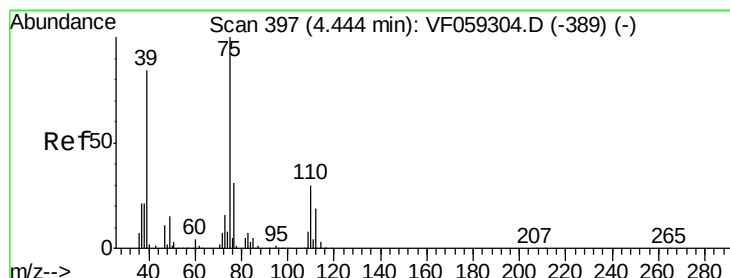
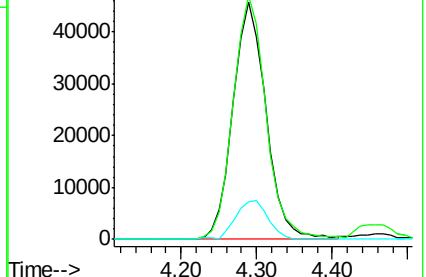
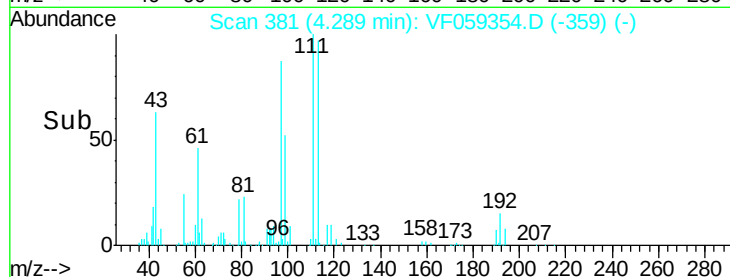
192 16.0 13.0 19.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 47.754 ug/l

RT: 4.46 min Scan# 398

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

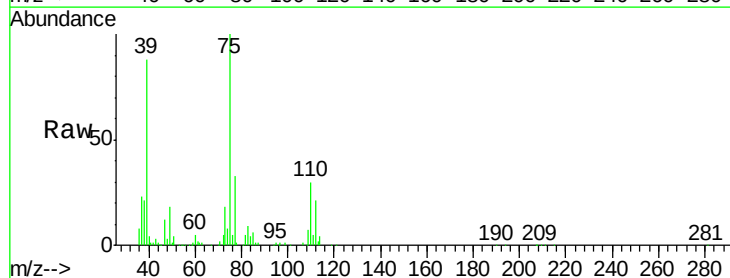
Tgt Ion: 75 Resp: 170106

Ion Ratio Lower Upper

75 100

110 30.0 14.8 44.4

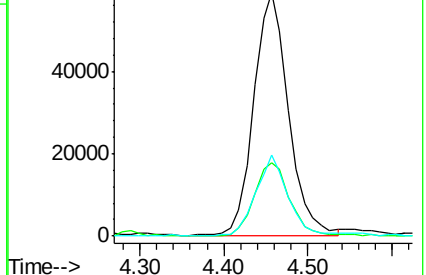
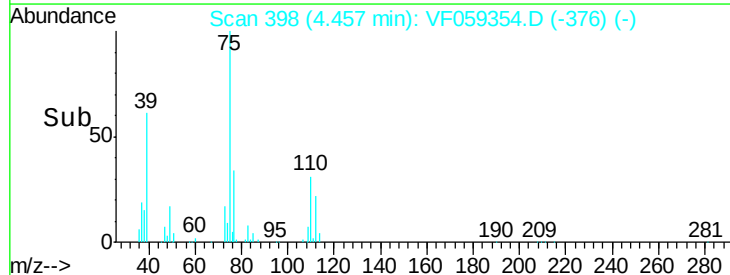
77 33.2 25.2 37.8

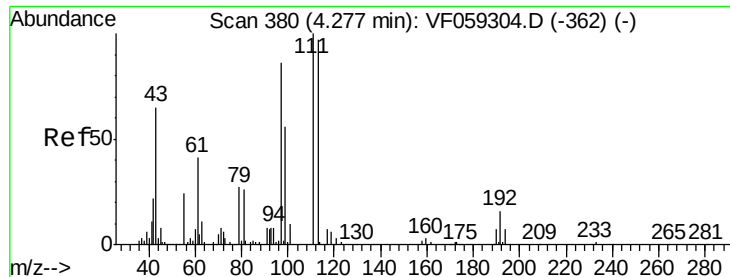


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

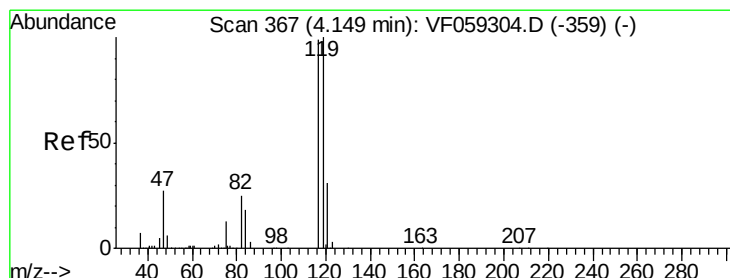
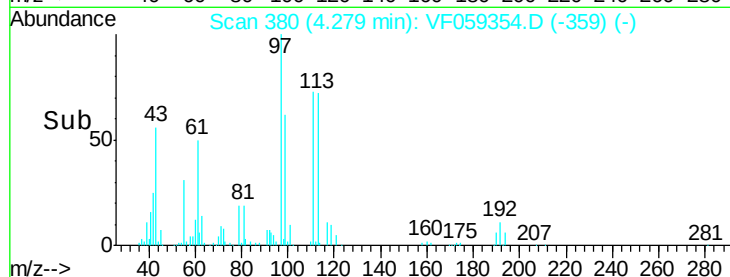
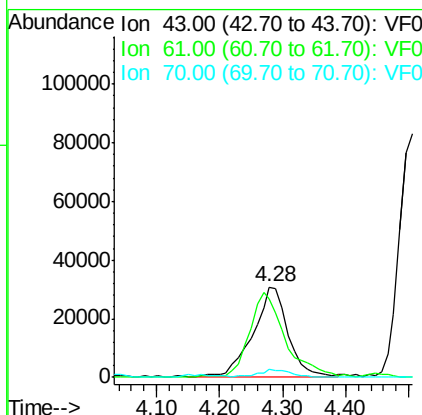
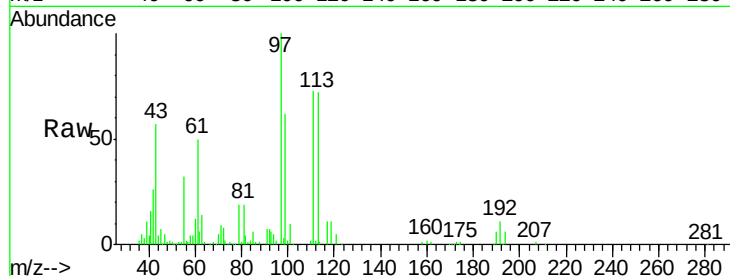




#37
Ethyl Acetate
Concen: 50.418 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

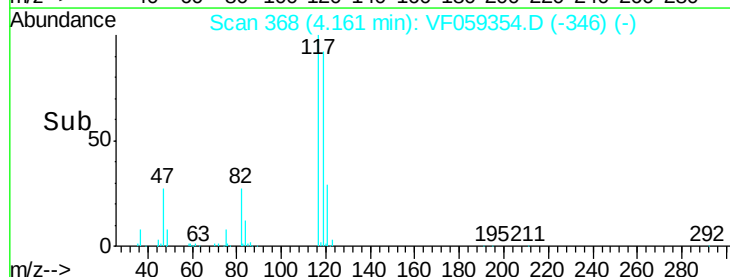
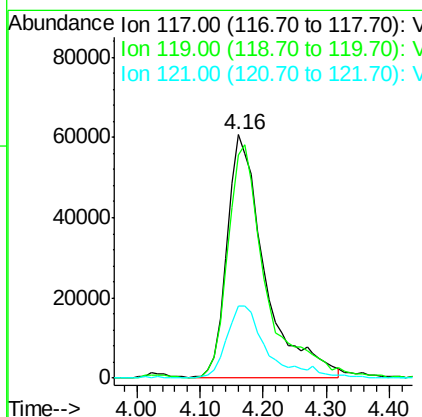
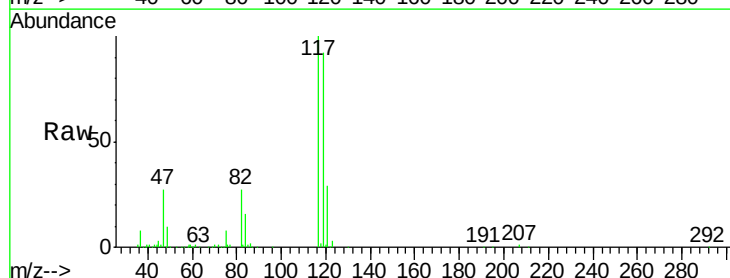
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

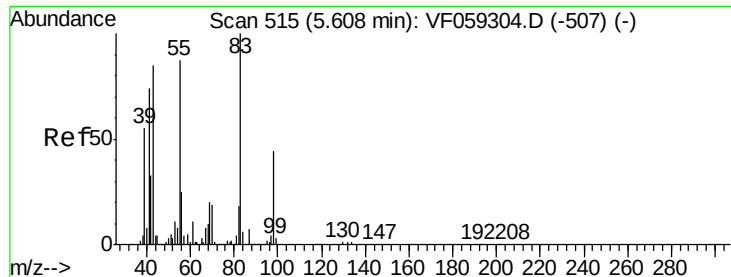
Tot Ion: 43 Resp: 114857
Ion Ratio Lower Upper
43 100
61 87.5 50.1 75.1#
70 8.5 6.2 9.4



#38
Carbon Tetrachloride
Concen: 56.318 ug/l
RT: 4.16 min Scan# 368
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion: 117 Resp: 253169
Ion Ratio Lower Upper
117 100
119 91.8 81.0 121.4
121 29.5 24.7 37.1

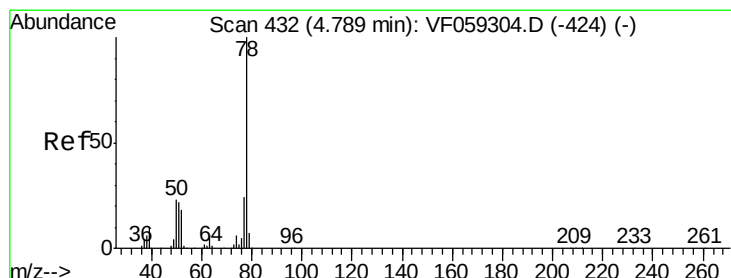
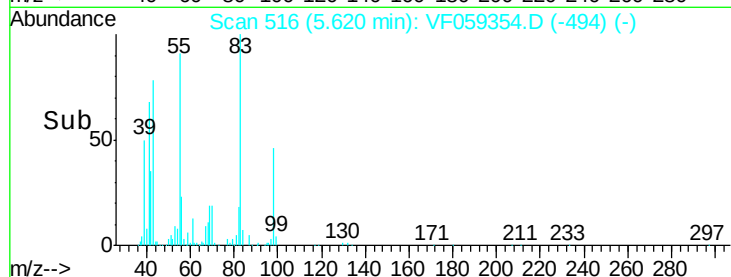
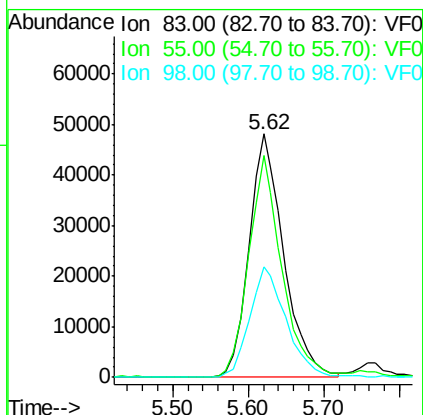
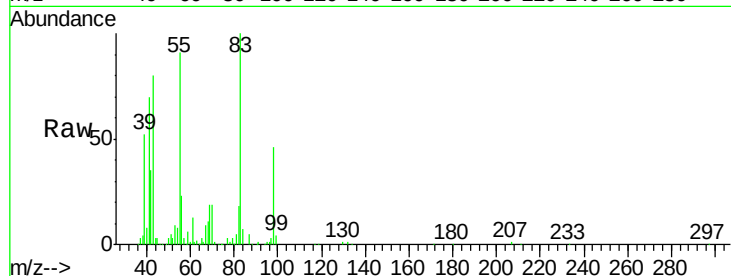




#39
Methylvlcyclohexane
Concen: 48.543 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

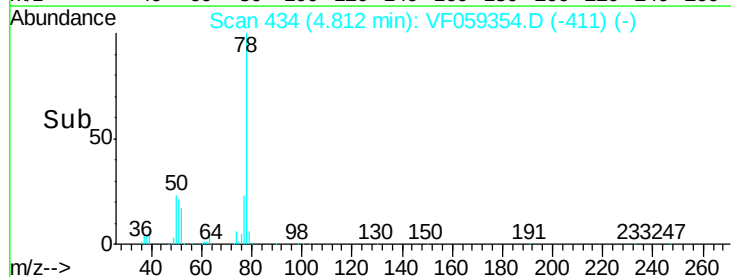
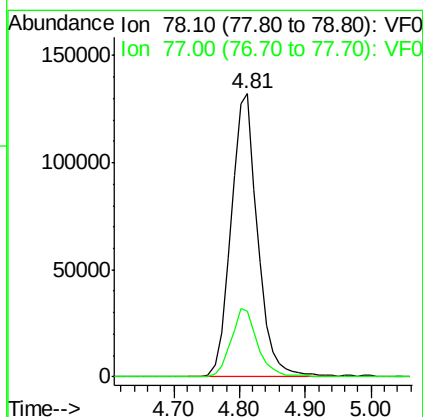
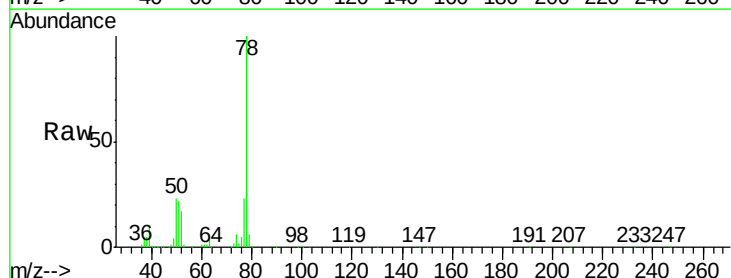
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

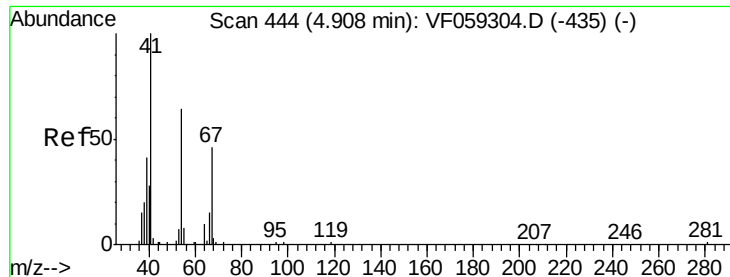
Tot Ion	83	Resp	153230
Ion Ratio	Lower	Upper	
83	100		
55	91.2	69.2	103.8
98	45.6	35.0	52.6



#40
Benzene
Concen: 47.508 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.02 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion	78	Resp	375216
Ion Ratio	Lower	Upper	
78	100		
77	23.3	19.6	29.4

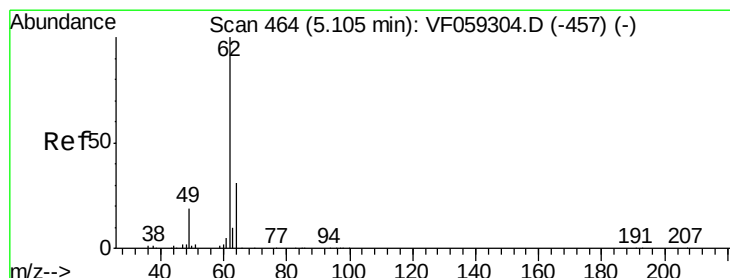
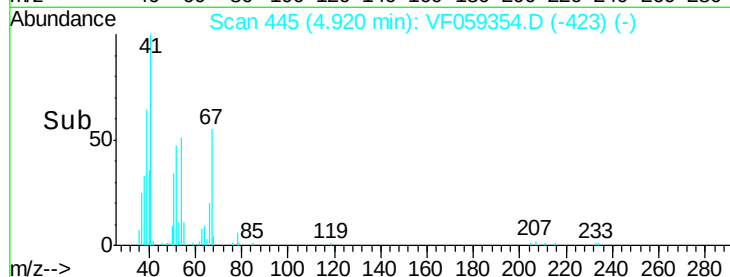
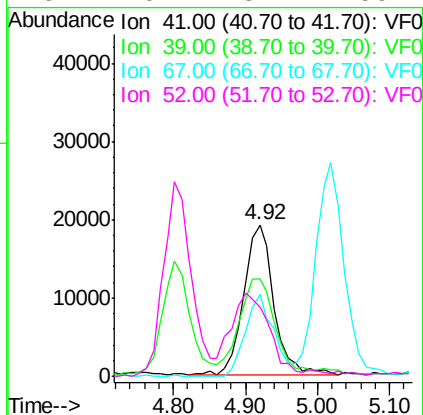
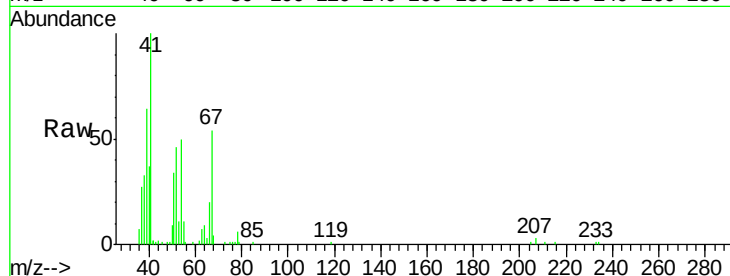




#41
Methacrylonitrile
Concen: 45.593 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

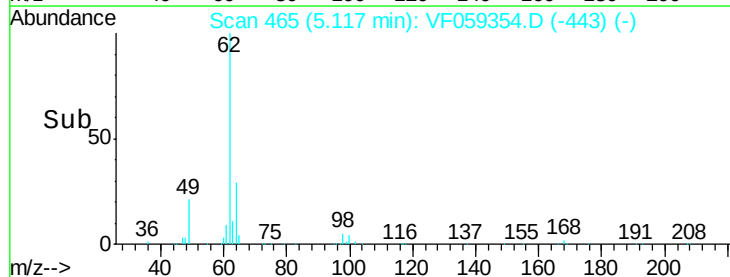
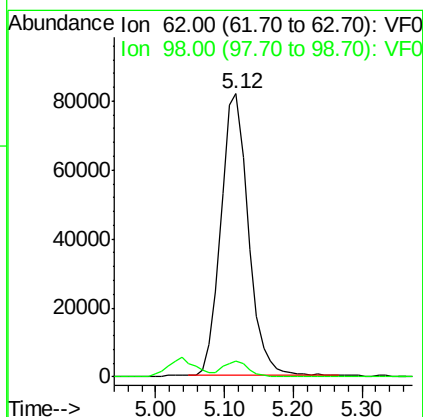
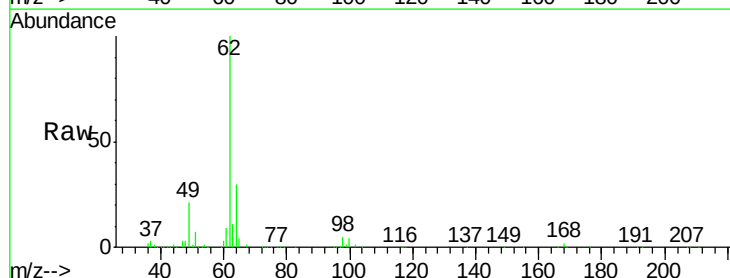
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

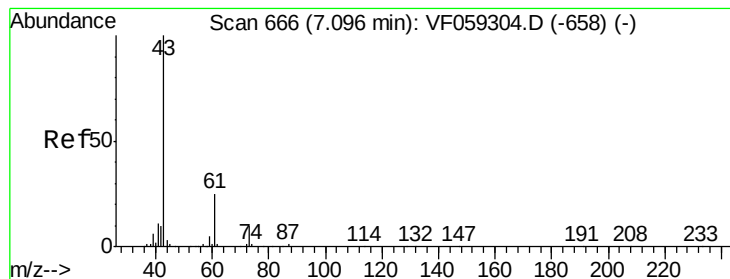
Tot Ion:	41	Resp:	55400
Ion	Ratio	Lower	Upper
41	100		
39	64.3	50.0	75.0
67	53.8	37.0	55.6
52	46.1	37.1	55.7



#42
1,2-Dichloroethane
Concen: 49.141 ug/l
RT: 5.12 min Scan# 465
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion:	62	Resp:	226788
Ion	Ratio	Lower	Upper
62	100		
98	5.4	0.0	11.4





#43

Isopropyl Acetate

Concen: 50.537 ug/l

RT: 7.11 min Scan# 667

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

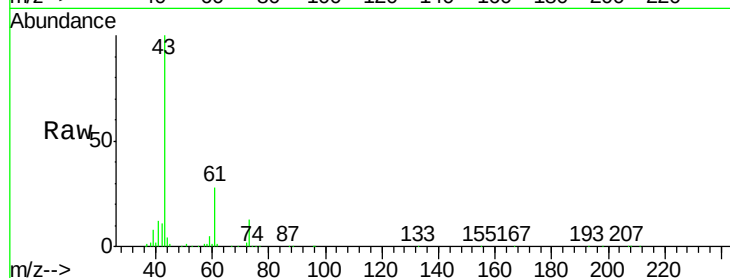
Tot Ion: 43 Resp: 149948

Ion Ratio Lower Upper

43 100

61 28.2 19.7 29.5

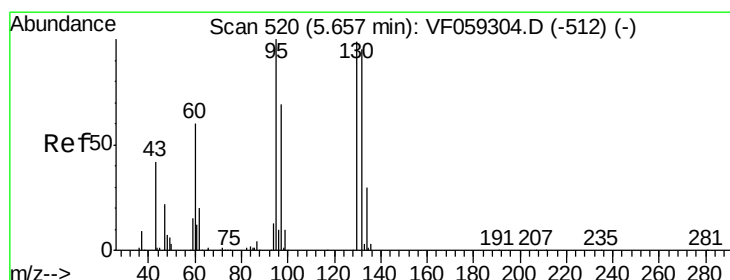
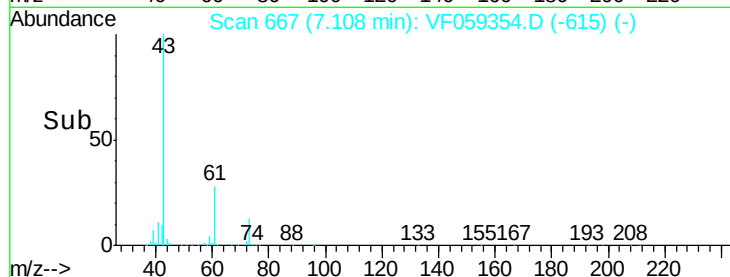
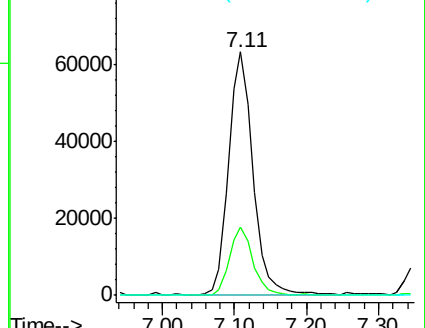
87 0.3 0.5 0.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 46.614 ug/l

RT: 5.67 min Scan# 521

Delta R.T. 0.01 min

Lab File: VF059354.D

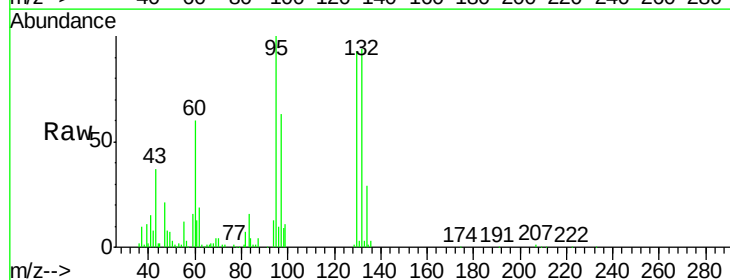
Acq: 28 Jun 2018 11:16

Tgt Ion: 130 Resp: 126293

Ion Ratio Lower Upper

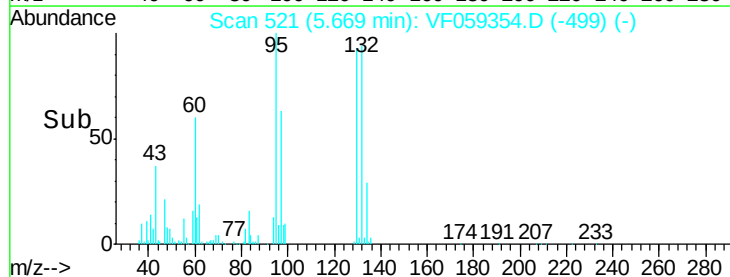
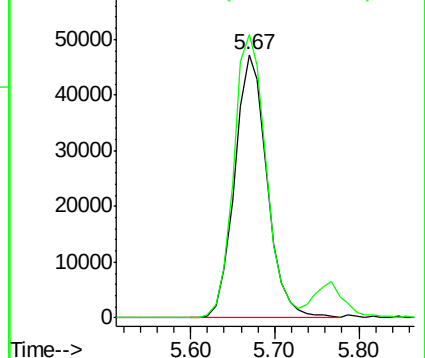
130 100

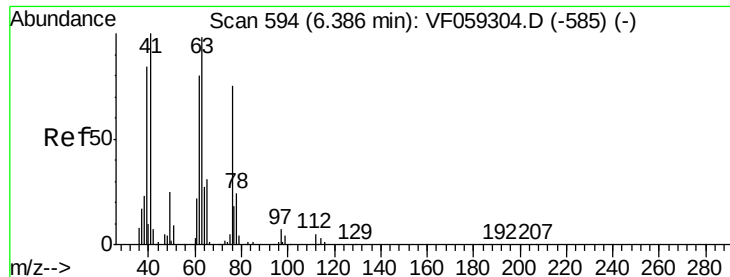
95 107.7 0.0 202.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 50.218 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

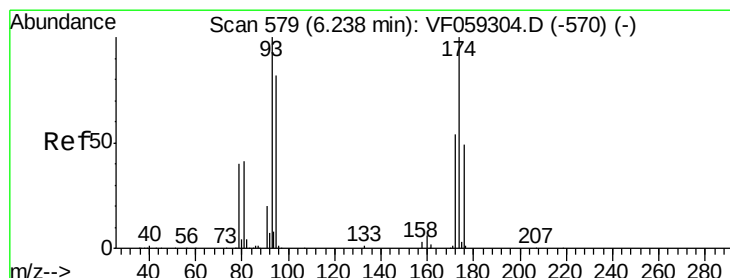
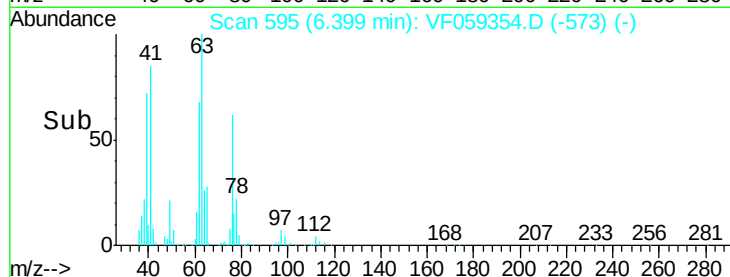
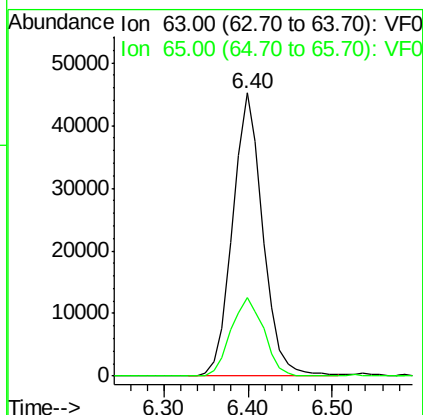
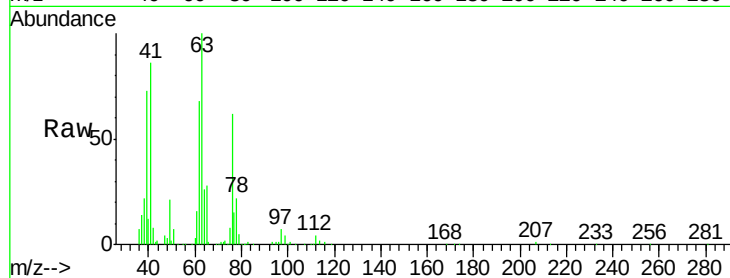
VSTDCCC050

Tot Ion: 63 Resp: 113318

Ion Ratio Lower Upper

63 100

65 28.0 25.3 37.9



#46

Dibromomethane

Concen: 50.442 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

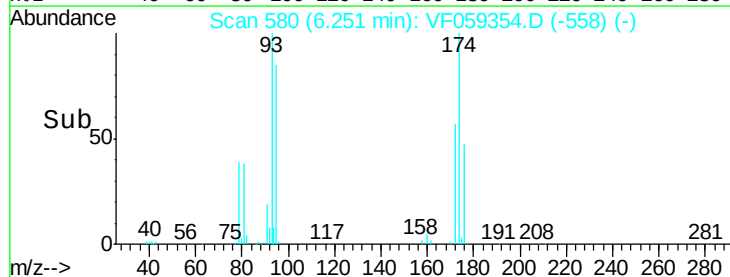
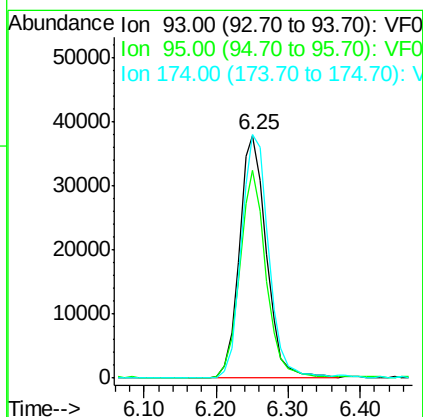
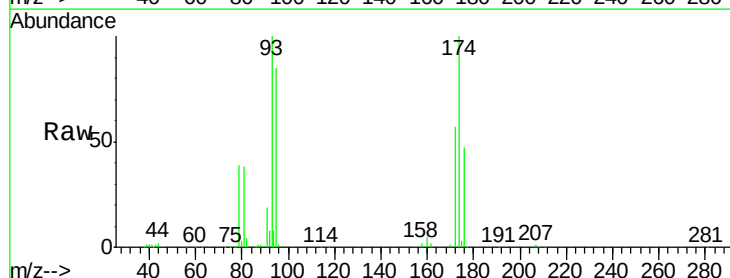
Tgt Ion: 93 Resp: 98793

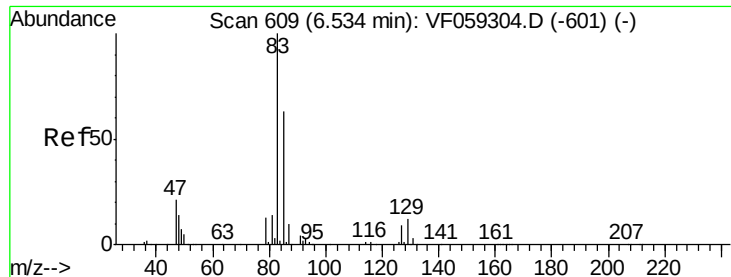
Ion Ratio Lower Upper

93 100

95 85.8 65.6 98.4

174 100.4 80.0 120.0





#47

Bromodichloromethane

Concen: 50.421 ug/l

RT: 6.55 min Scan# 610

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

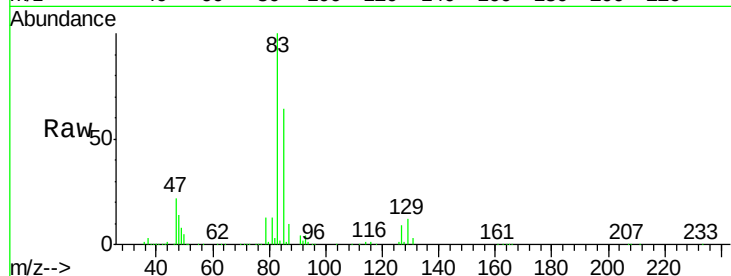
Tot Ion: 83 Resp: 239046

Ion Ratio Lower Upper

83 100

85 64.3 50.2 75.2

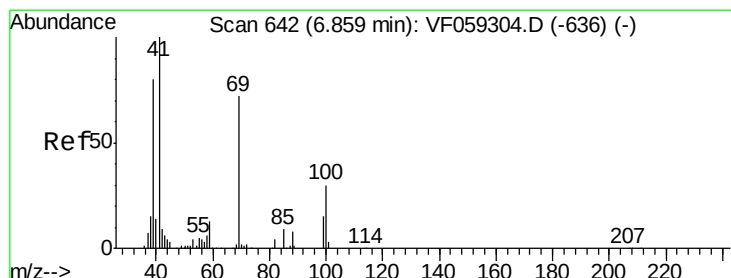
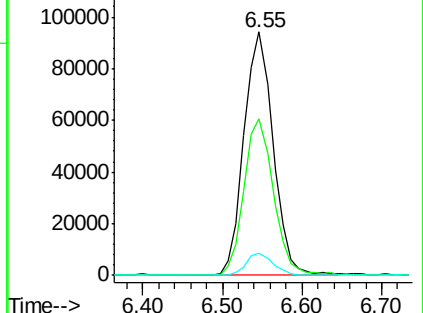
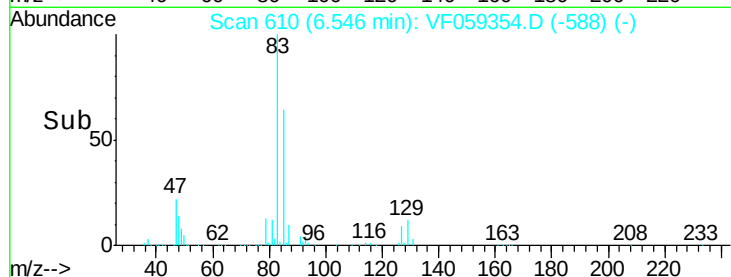
127 9.3 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 52.065 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

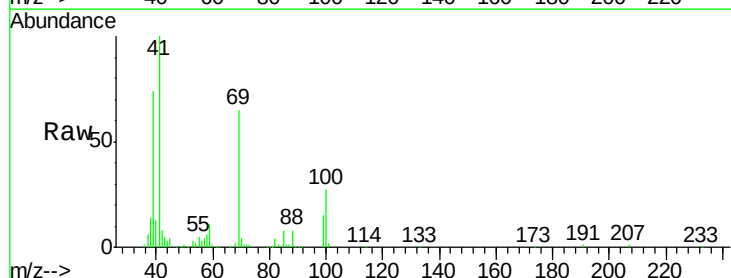
Tgt Ion: 41 Resp: 103536

Ion Ratio Lower Upper

41 100

69 65.0 57.3 85.9

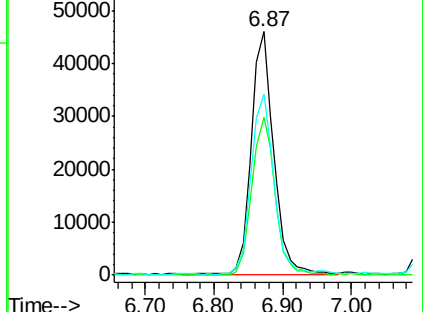
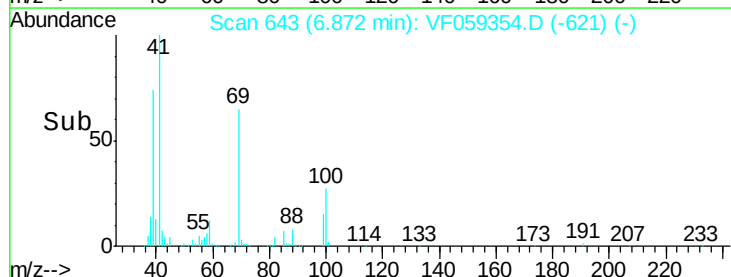
39 74.2 64.4 96.6

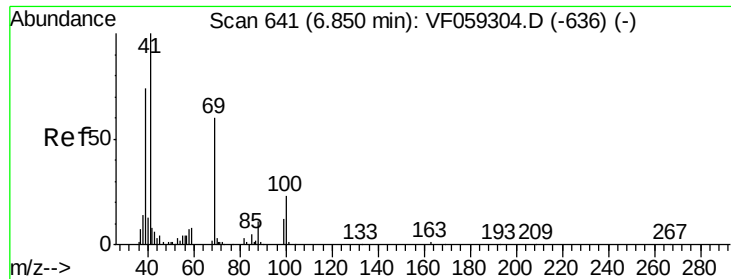


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1163.964 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

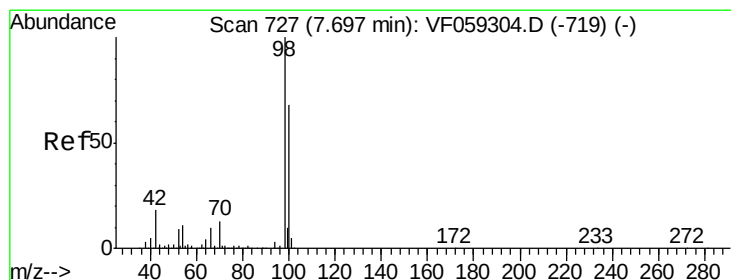
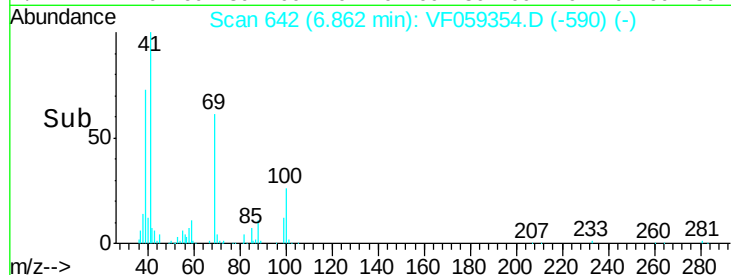
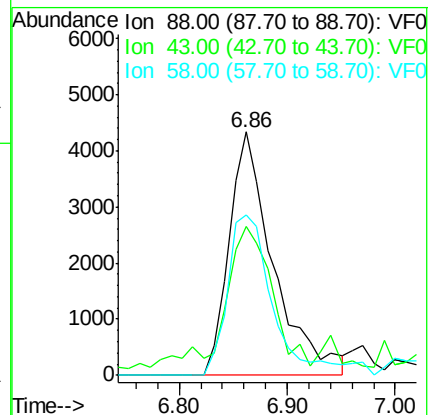
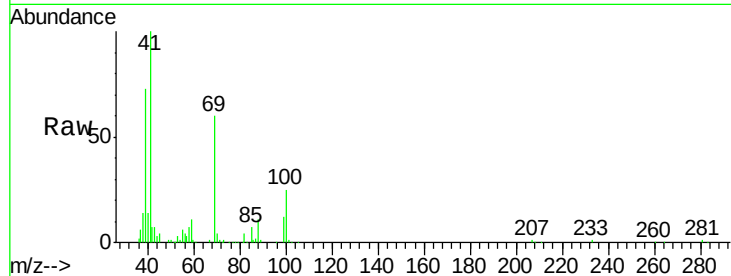
Tot Ion: 88 Resp: 12276

Ion Ratio Lower Upper

88 100

43 61.3 50.6 75.8

58 66.1 46.6 69.8



#50

Toluene-d8

Concen: 47.132 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.01 min

Lab File: VF059354.D

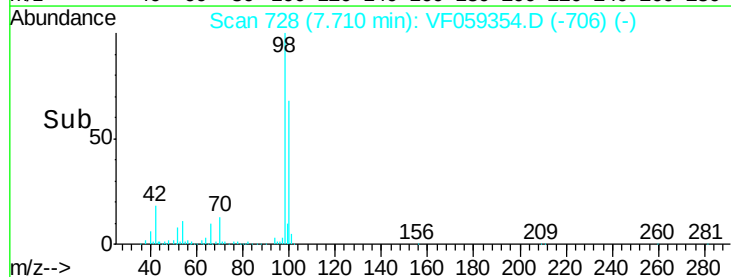
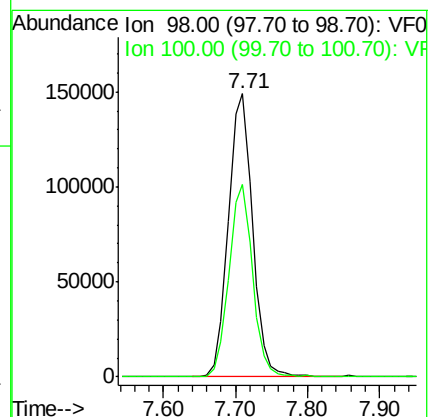
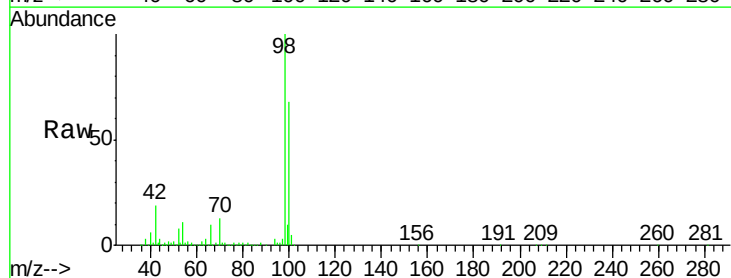
Acq: 28 Jun 2018 11:16

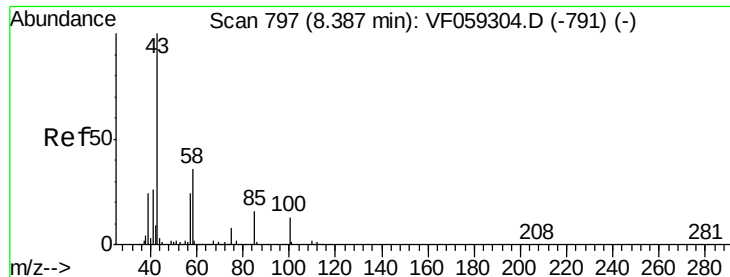
Tgt Ion: 98 Resp: 347676

Ion Ratio Lower Upper

98 100

100 67.8 54.6 82.0





#51

4-Methyl-2-Pentanone

Concen: 254.929 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

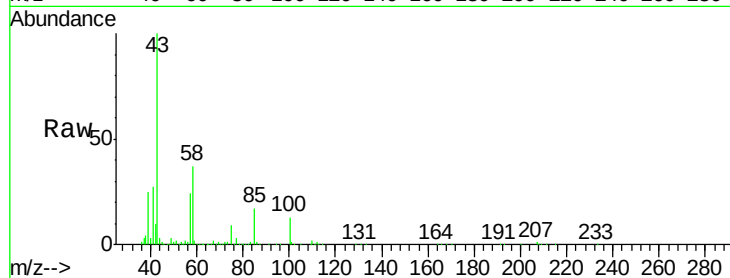
VSTDCCC050

Tot Ion: 43 Resp: 560374

Ion Ratio Lower Upper

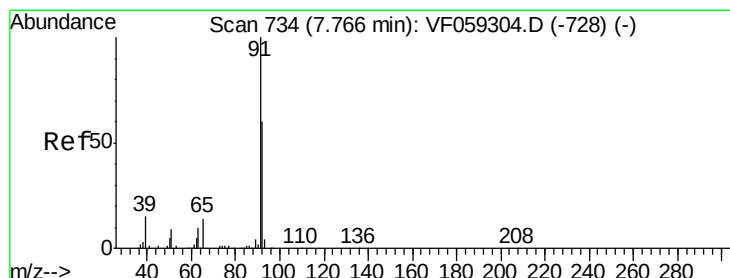
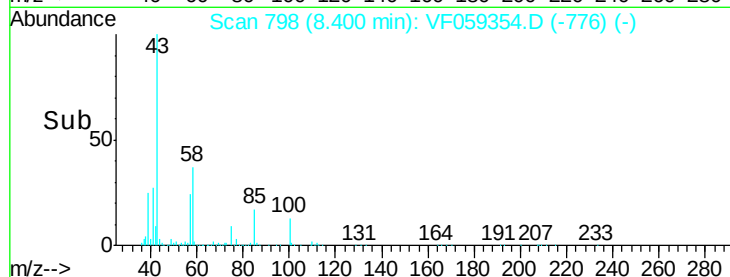
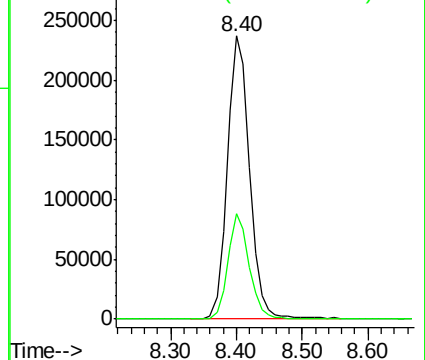
43 100

58 37.4 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 47.552 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF059354.D

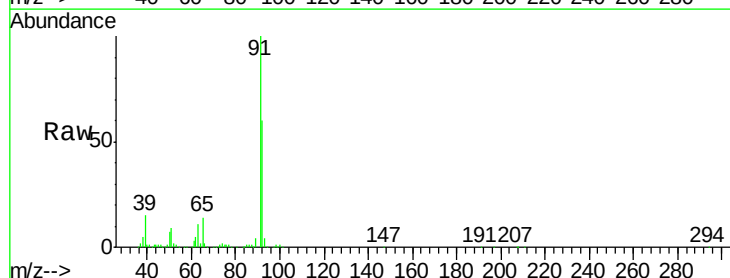
Acq: 28 Jun 2018 11:16

Tgt Ion: 92 Resp: 281028

Ion Ratio Lower Upper

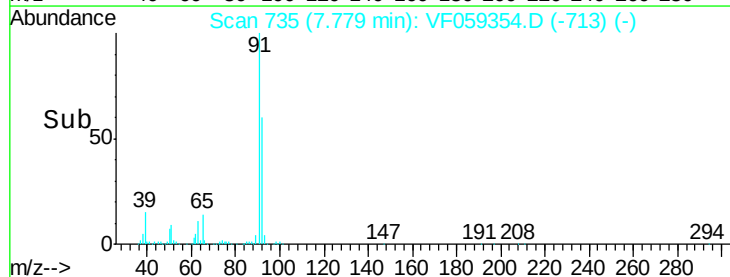
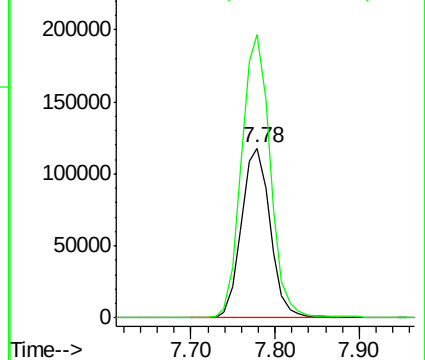
92 100

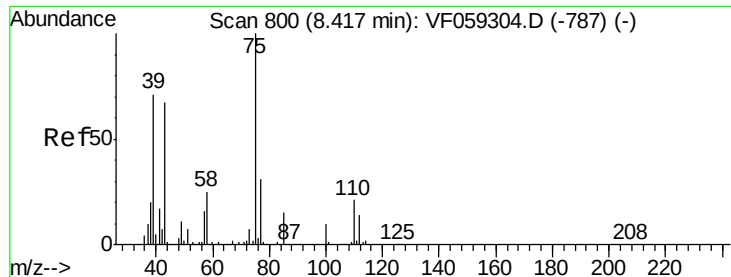
91 166.7 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 51.694 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

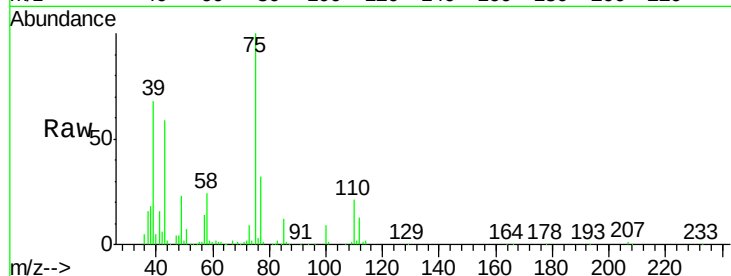
VSTDCCC050

Tot Ion: 75 Resp: 223396

Ion Ratio Lower Upper

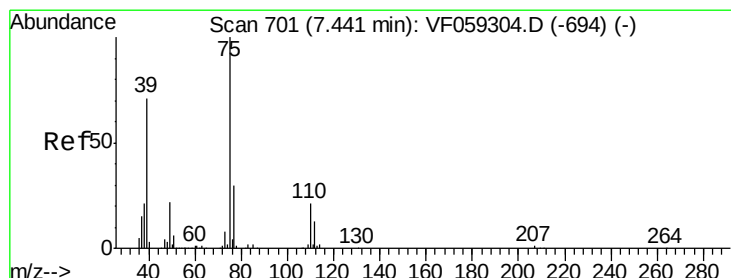
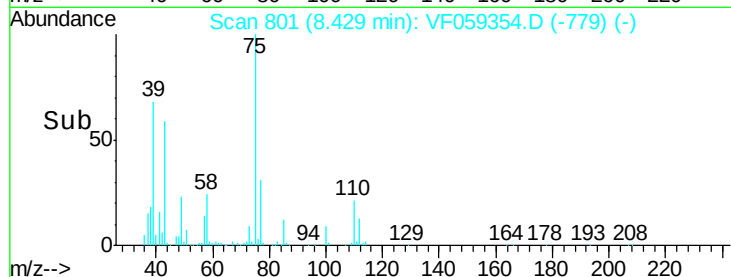
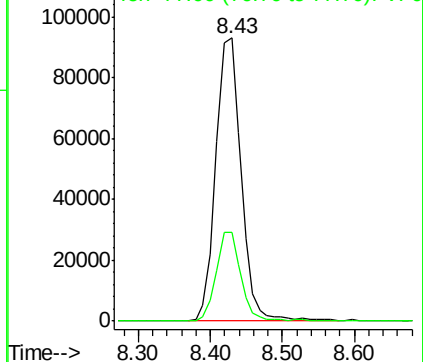
75 100

77 31.5 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 50.448 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

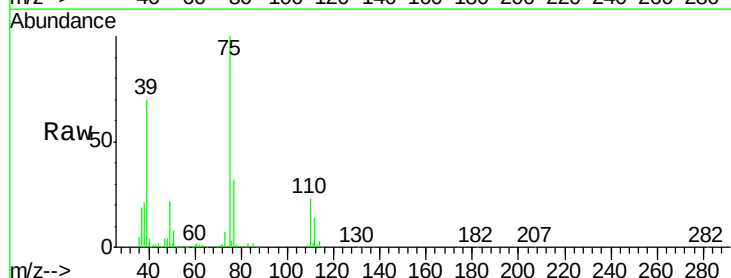
Tgt Ion: 75 Resp: 236805

Ion Ratio Lower Upper

75 100

77 31.7 24.3 36.5

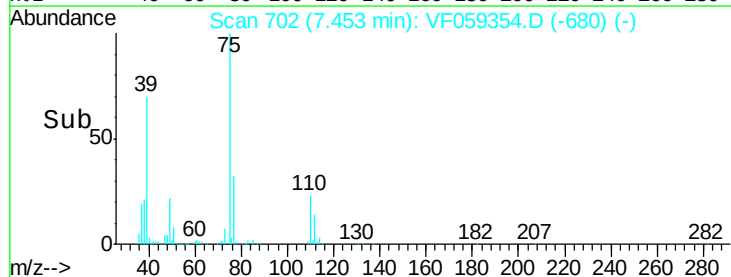
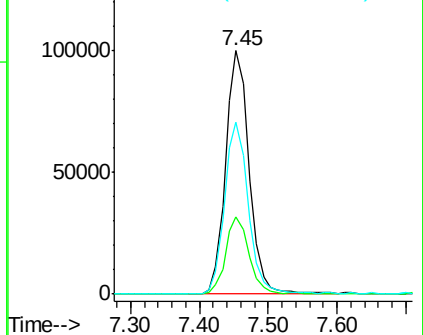
39 70.5 57.2 85.8

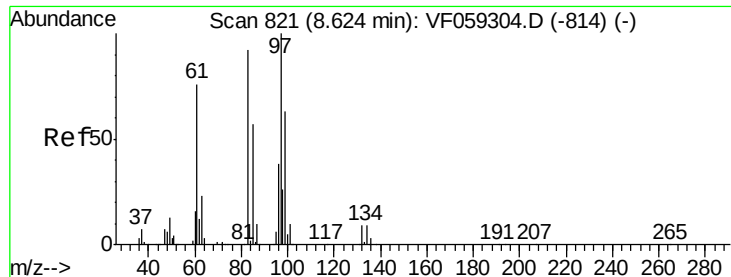


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 50.398 ug/l

RT: 8.64 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 115644

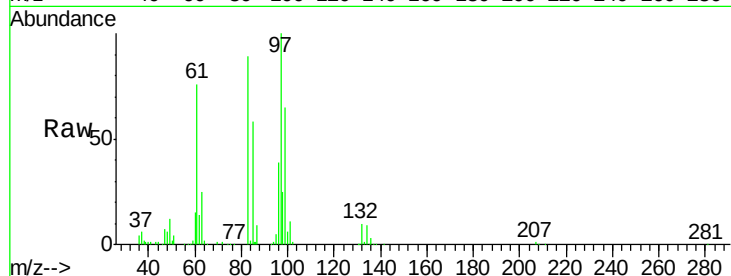
Ion Ratio Lower Upper

97 100

83 88.5 73.8 110.8

85 58.1 45.5 68.3

99 64.9 50.7 76.1

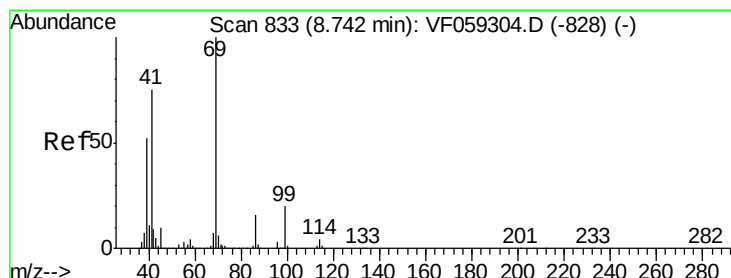
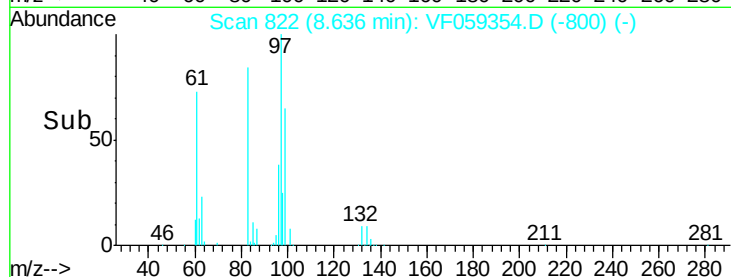
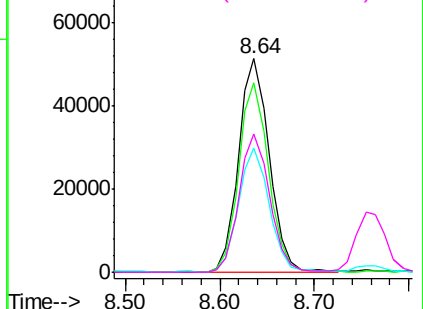


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 50.977 ug/l

RT: 8.75 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

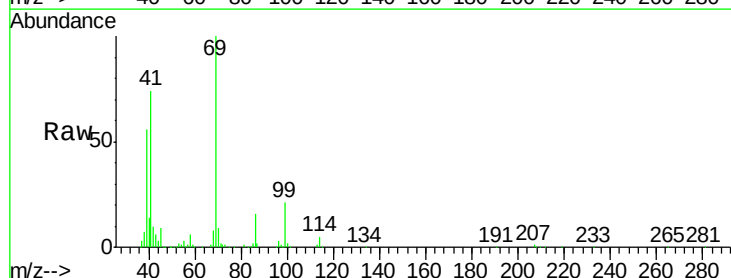
Tgt Ion: 69 Resp: 144901

Ion Ratio Lower Upper

69 100

41 73.6 60.3 90.5

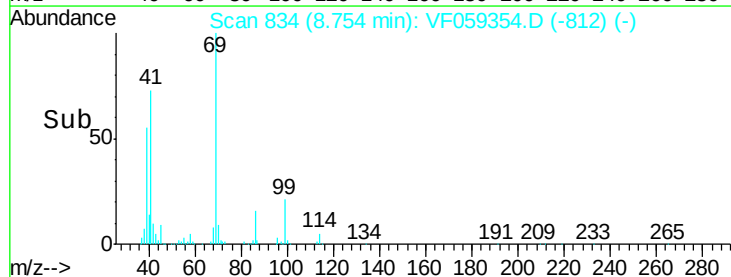
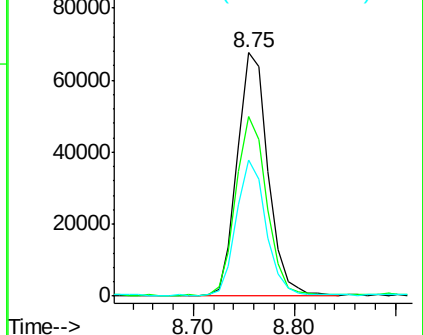
39 55.7 42.2 63.4

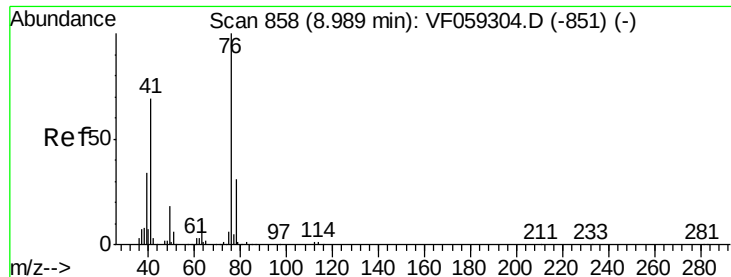


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 51.189 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

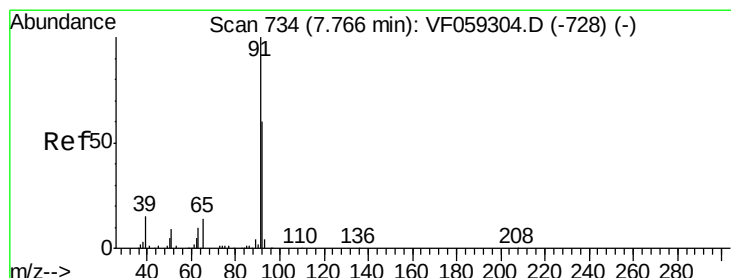
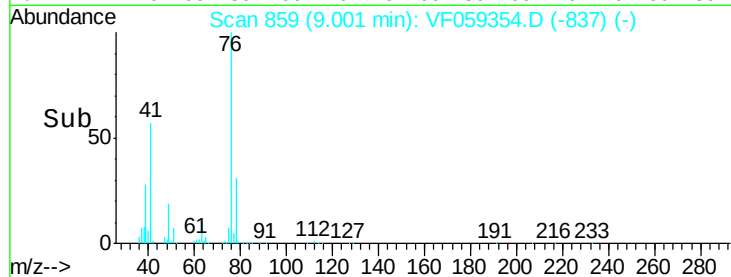
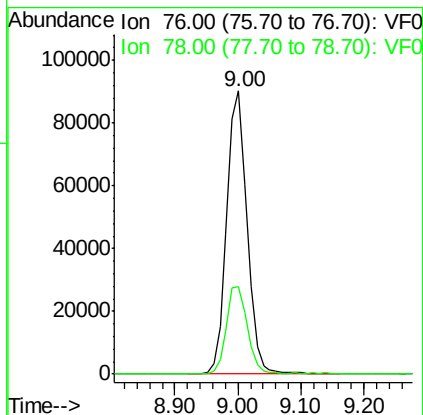
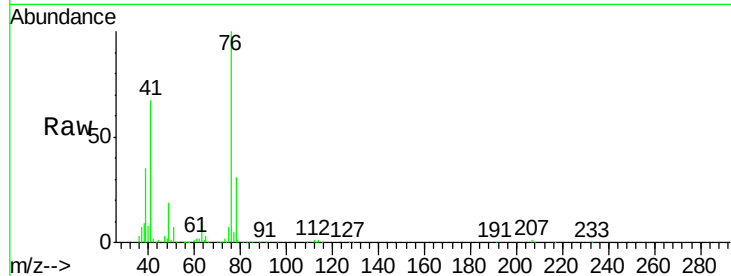
VSTDCCC050

Tot Ion: 76 Resp: 201446

Ion Ratio Lower Upper

76 100

78 31.1 24.9 37.3



#58

2-Chloroethyl Vinyl ether

Concen: 250.769 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF059354.D

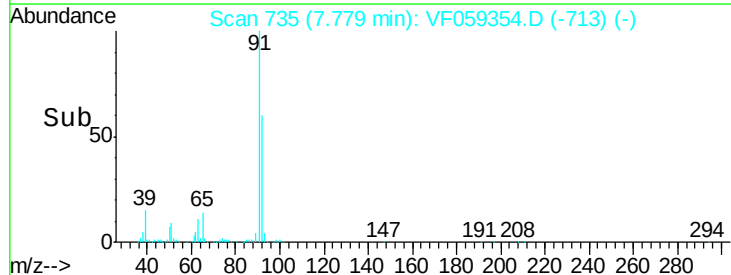
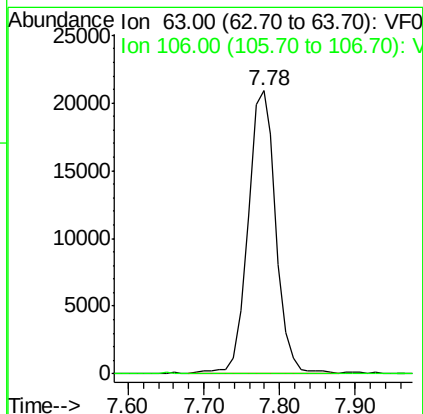
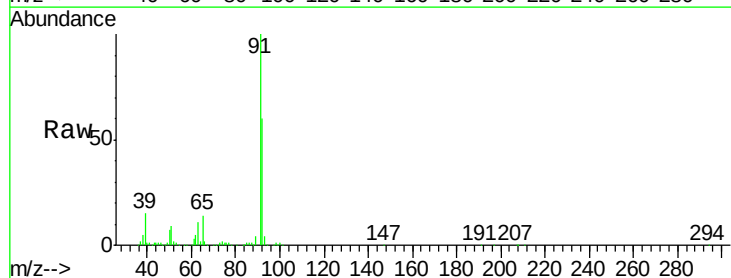
Acq: 28 Jun 2018 11:16

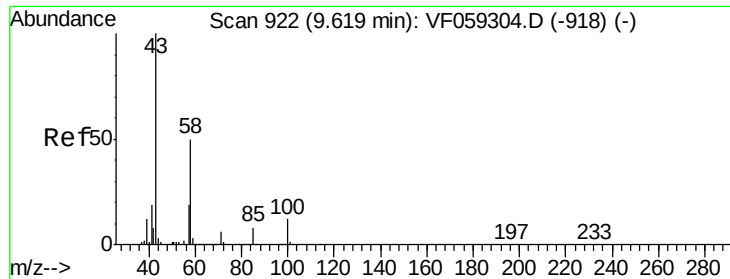
Tgt Ion: 63 Resp: 53460

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 284.382 ug/l

RT: 9.63 min Scan# 923

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

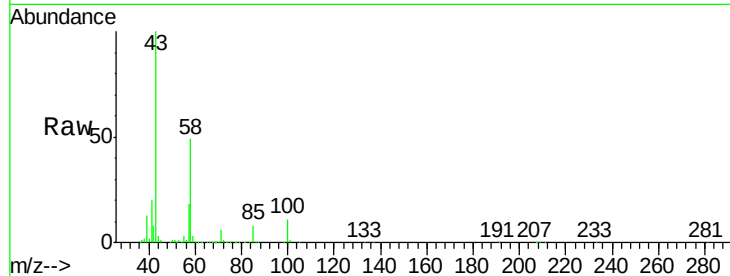
VSTDCCC050

Tot Ion: 43 Resp: 465788

Ion Ratio Lower Upper

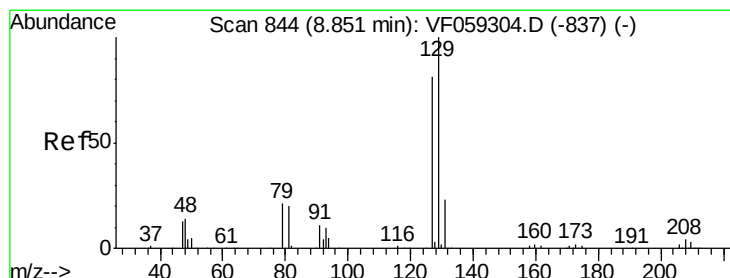
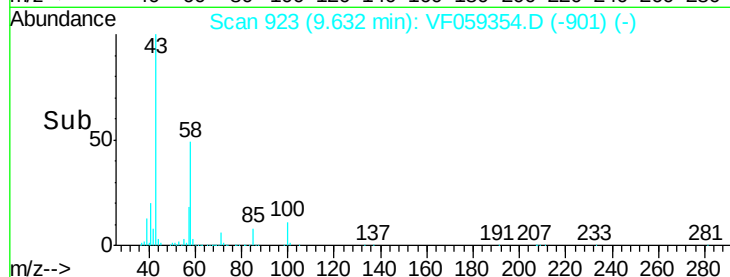
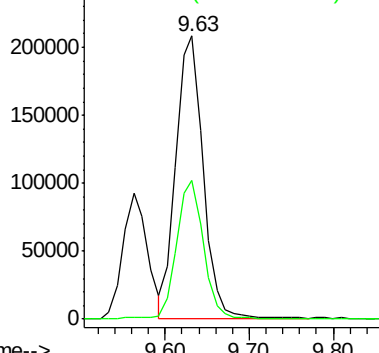
43 100

58 48.9 23.3 69.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#60

Dibromochloromethane

Concen: 51.749 ug/l

RT: 8.86 min Scan# 845

Delta R.T. 0.01 min

Lab File: VF059354.D

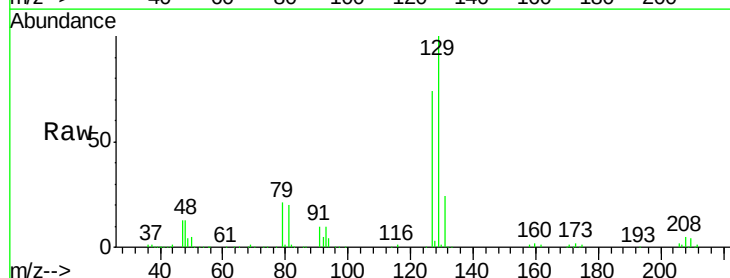
Acq: 28 Jun 2018 11:16

Tgt Ion: 129 Resp: 183321

Ion Ratio Lower Upper

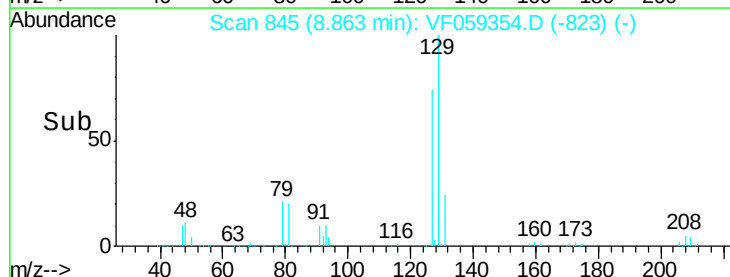
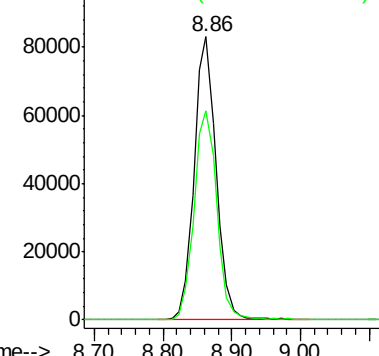
129 100

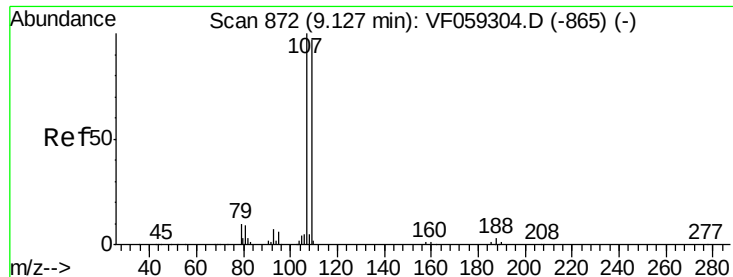
127 73.7 40.7 122.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#61

1,2-Dibromoethane

Concen: 48.482 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

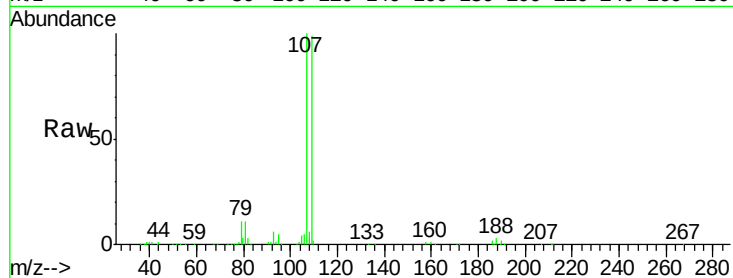
VSTDCCC050

Tot Ion: 107 Resp: 134917

Ion Ratio Lower Upper

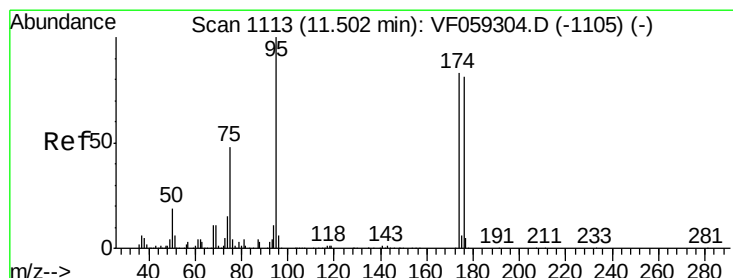
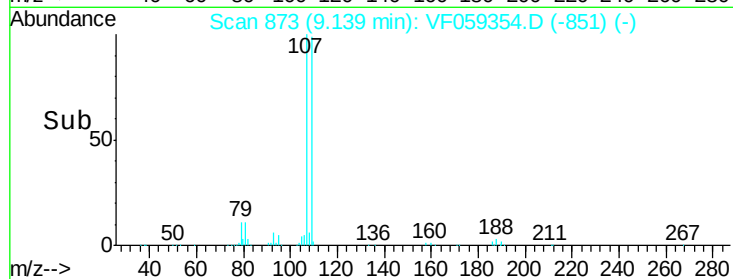
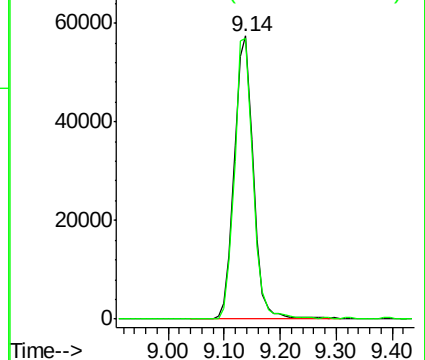
107 100

109 99.0 77.3 115.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.768 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

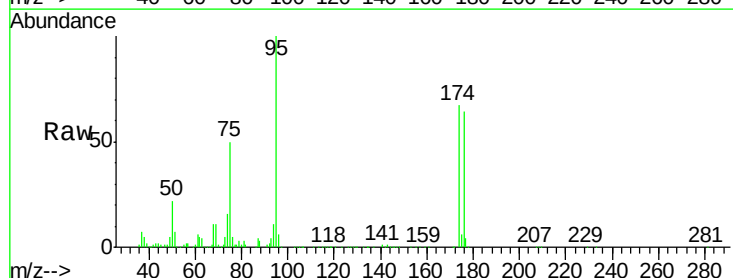
Tgt Ion: 95 Resp: 202929

Ion Ratio Lower Upper

95 100

174 66.8 0.0 165.2

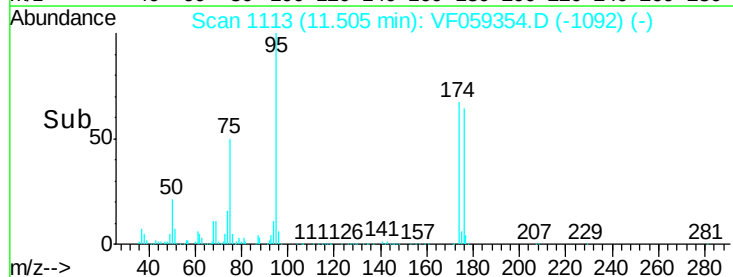
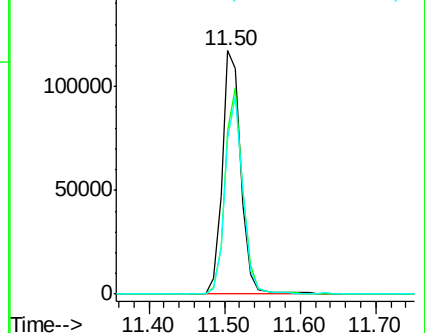
176 63.6 0.0 161.0

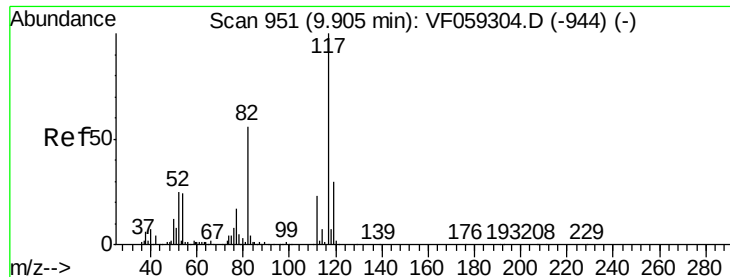


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

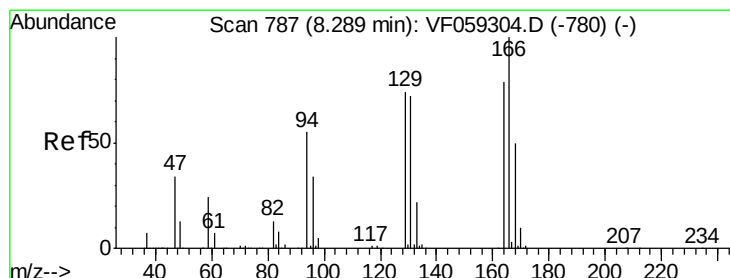
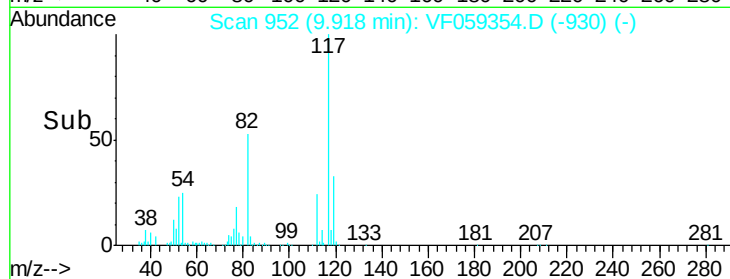
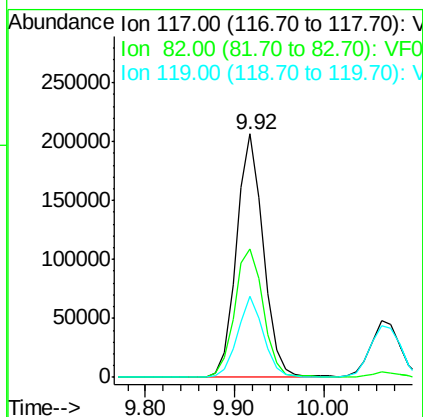
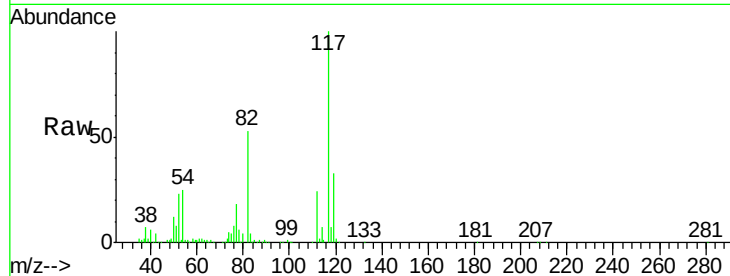




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

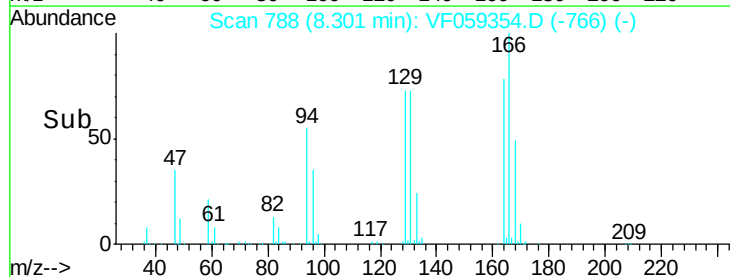
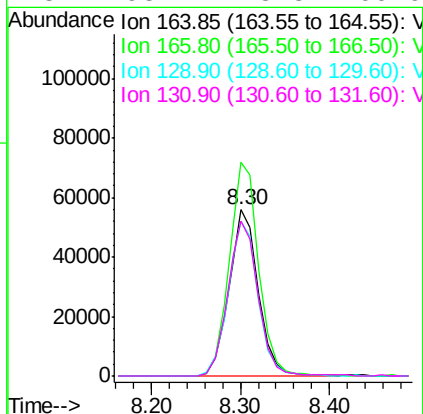
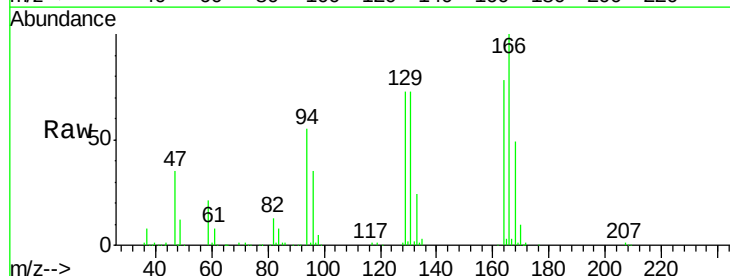
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

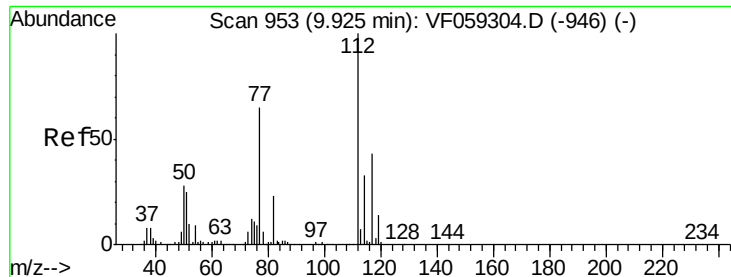
Tot Ion:117 Resp: 434492
Ion Ratio Lower Upper
117 100
82 52.9 44.6 66.8
119 33.1 24.1 36.1



#64
Tetrachloroethene
Concen: 45.432 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion:164 Resp: 128029
Ion Ratio Lower Upper
164 100
166 128.7 101.1 151.7
129 93.7 75.0 112.4
131 93.7 73.3 109.9

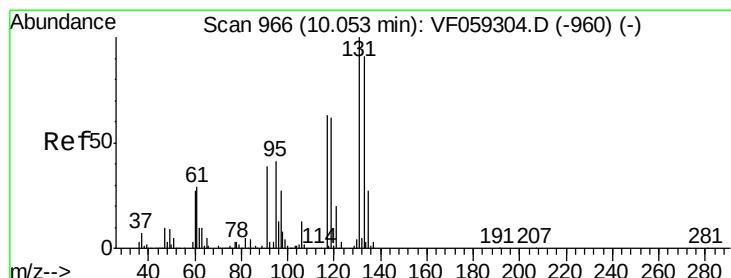
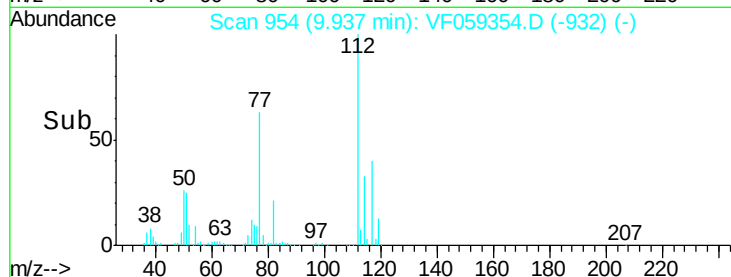
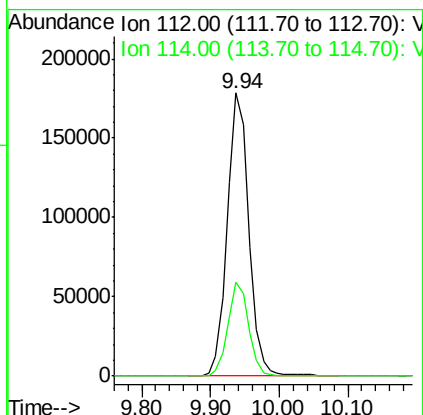
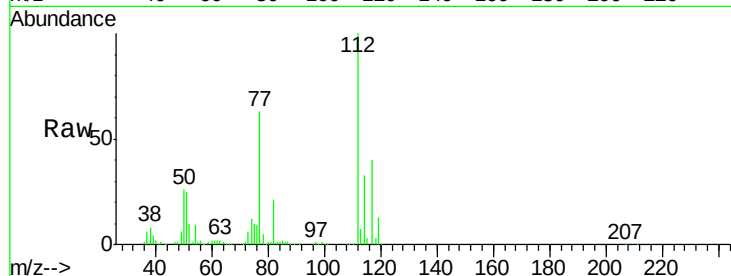




#65
Chlorobenzene
Concen: 48.152 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

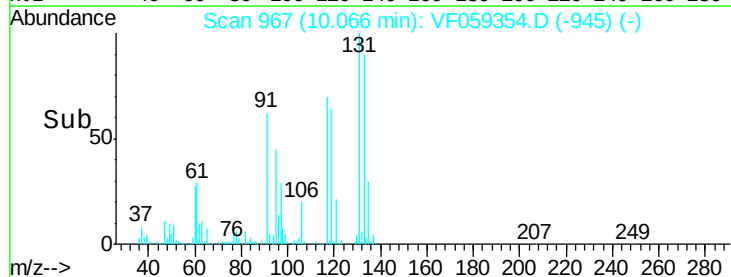
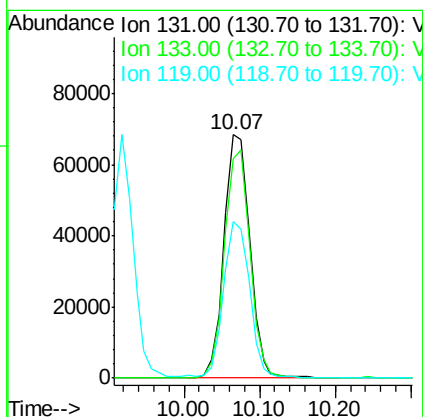
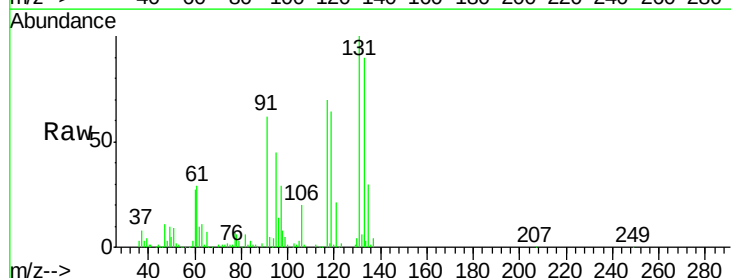
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

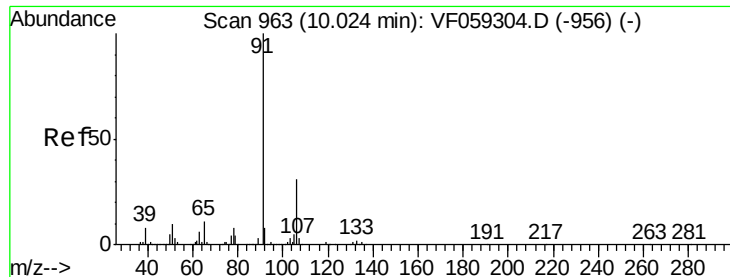
Tot Ion:112 Resp: 387681
Ion Ratio Lower Upper
112 100
114 33.4 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 46.770 ug/l
RT: 10.07 min Scan# 967
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion:131 Resp: 162860
Ion Ratio Lower Upper
131 100
133 90.1 45.3 135.9
119 64.2 31.3 93.9





#67

Ethyl Benzene

Concen: 45.992 ug/l

RT: 10.04 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

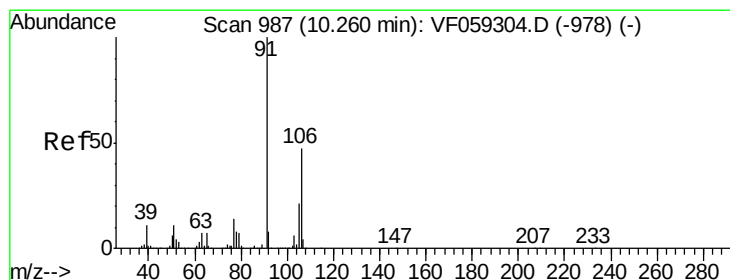
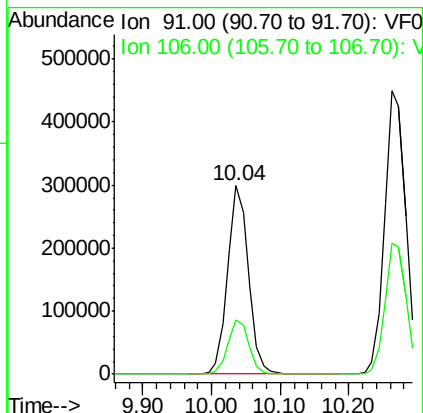
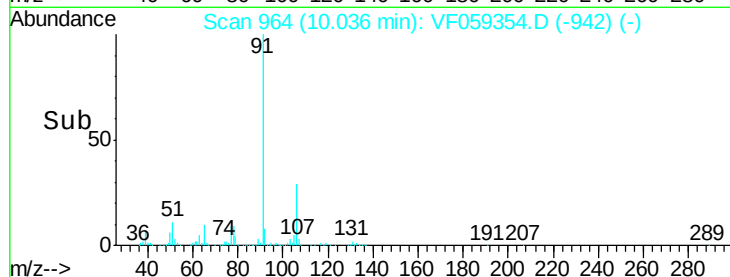
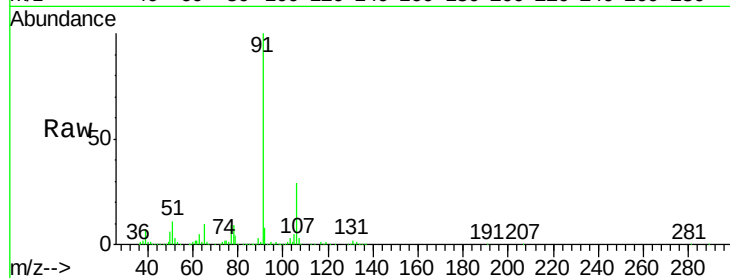
VSTDCCC050

Tot Ion: 91 Resp: 628174

Ion Ratio Lower Upper

91 100

106 28.7 24.8 37.2



#68

m/p-Xylenes

Concen: 93.301 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.00 min

Lab File: VF059354.D

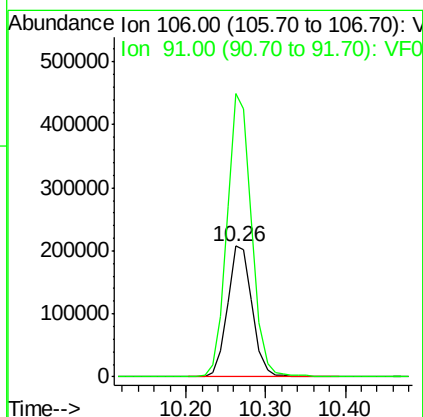
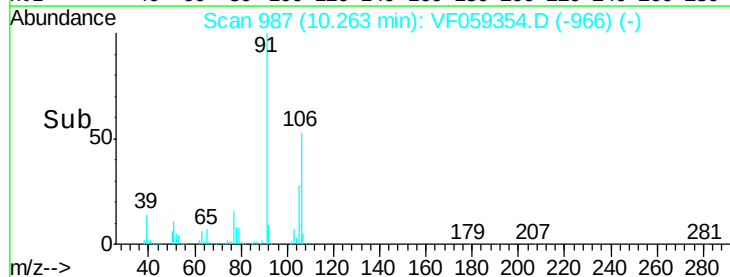
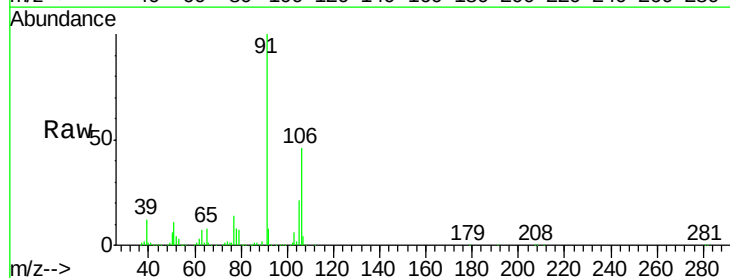
Acq: 28 Jun 2018 11:16

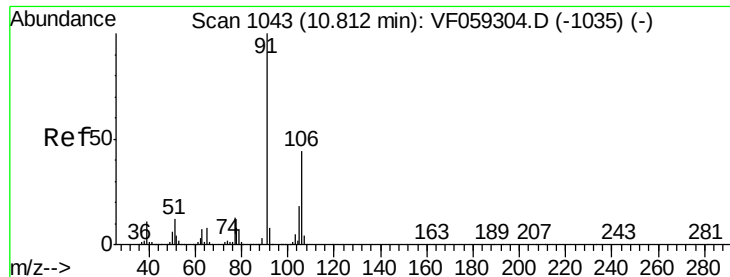
Tgt Ion: 106 Resp: 453573

Ion Ratio Lower Upper

106 100

91 216.5 170.8 256.2

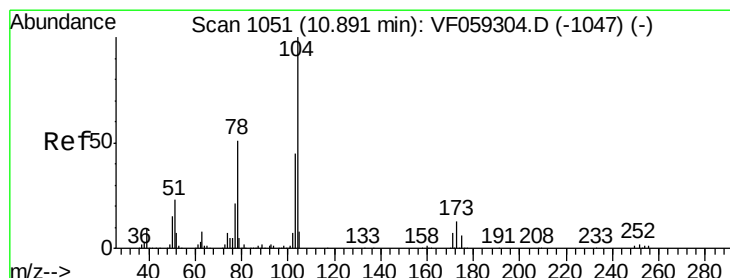
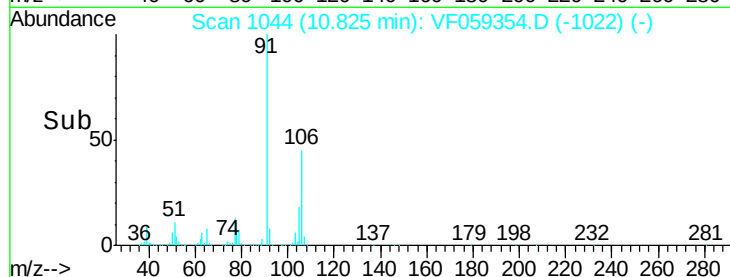
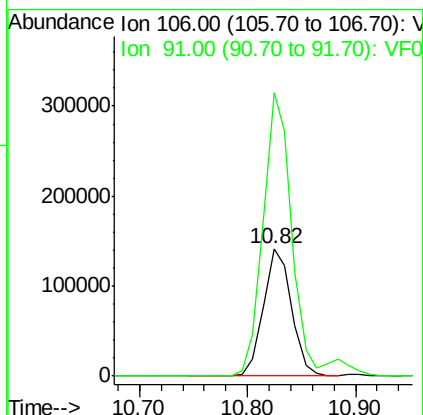
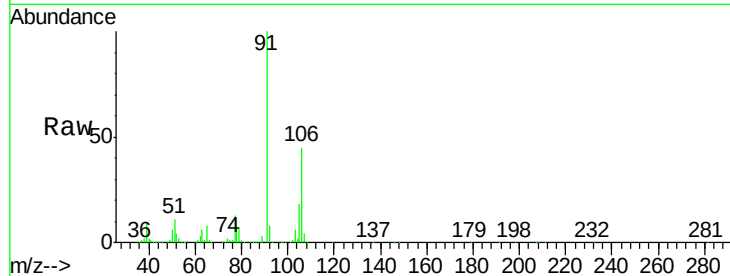




#69
o-Xylene
Concen: 47.846 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

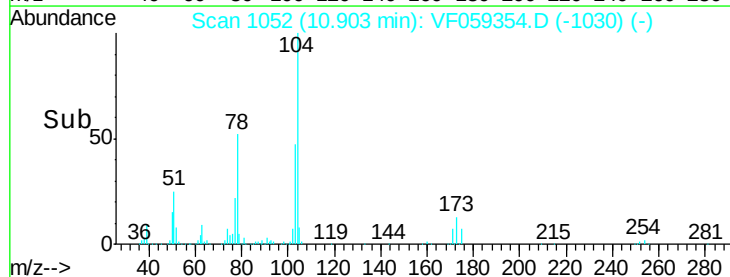
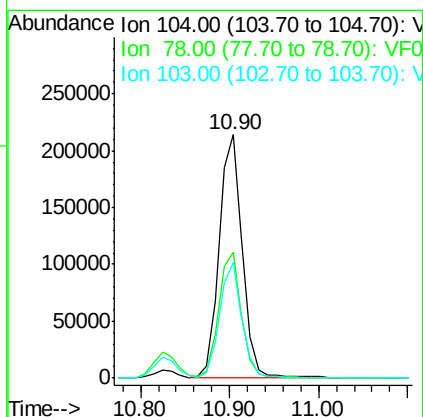
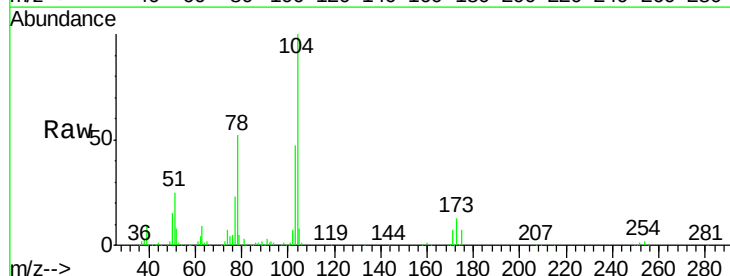
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

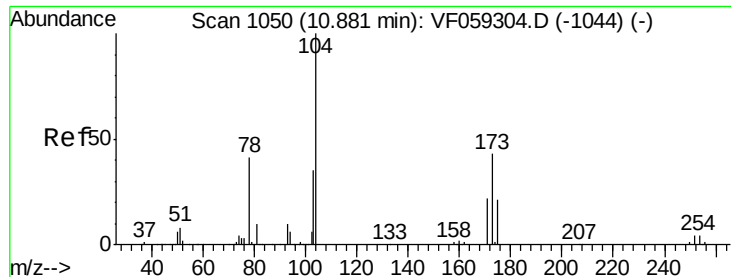
Tot Ion:106 Resp: 260161
Ion Ratio Lower Upper
106 100
91 222.4 114.6 343.6



#70
Styrene
Concen: 46.771 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion:104 Resp: 387406
Ion Ratio Lower Upper
104 100
78 51.7 40.9 61.3
103 47.4 36.5 54.7





#71

Bromoform

Concen: 49.200 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

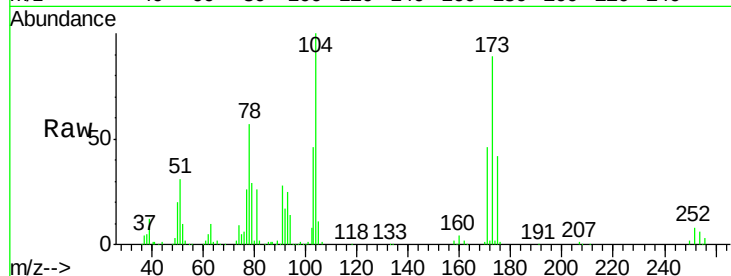
Tot Ion:173 Resp: 117428

Ion Ratio Lower Upper

173 100

175 48.2 24.8 74.3

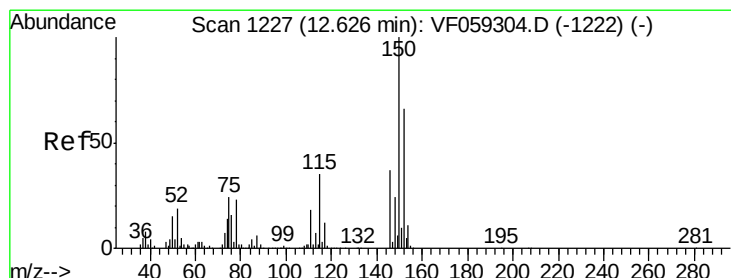
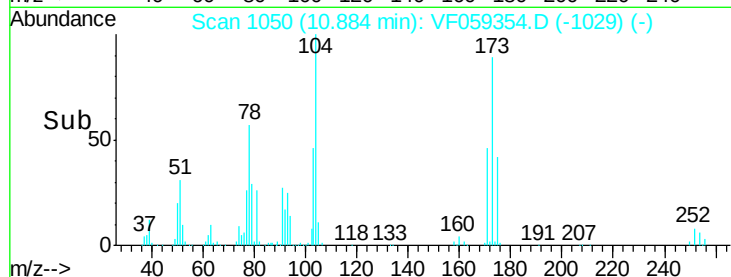
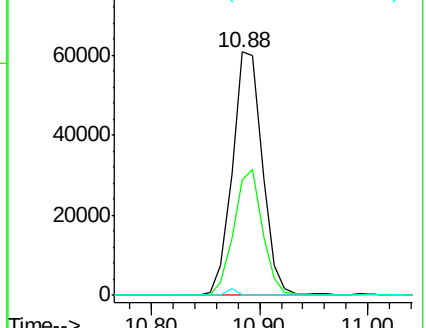
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

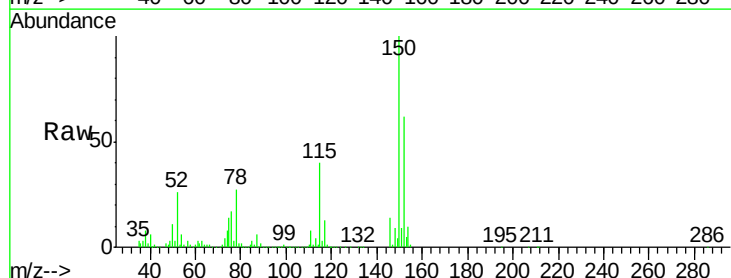
Tgt Ion:152 Resp: 258938

Ion Ratio Lower Upper

152 100

115 64.9 27.1 81.3

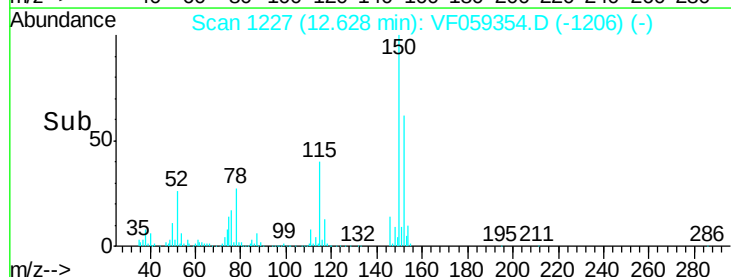
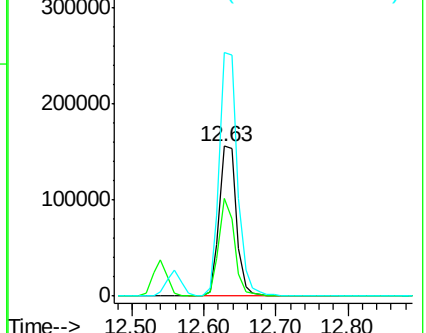
150 162.5 0.0 305.2

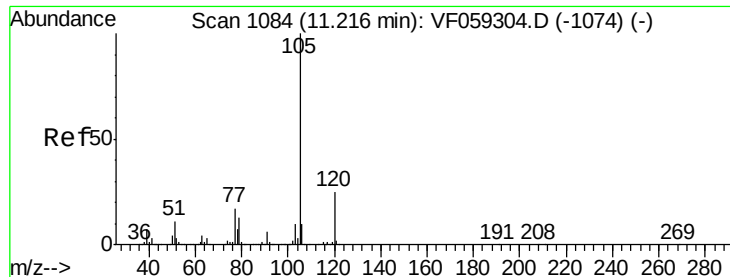


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 50.167 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

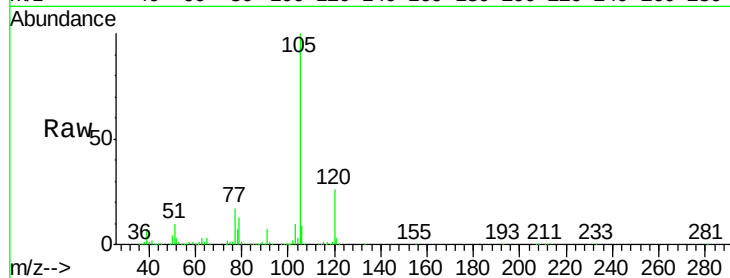
VSTDCCC050

Tot Ion:105 Resp: 756775

Ion Ratio Lower Upper

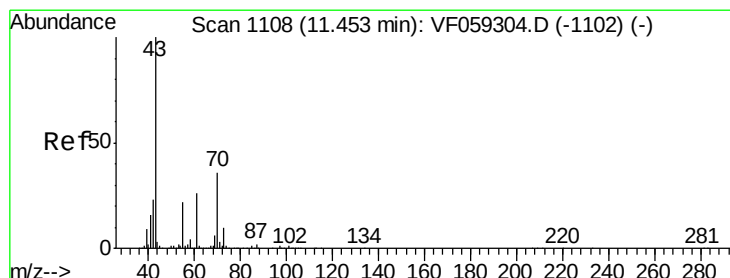
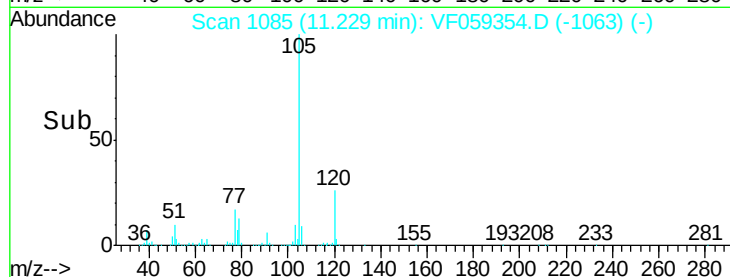
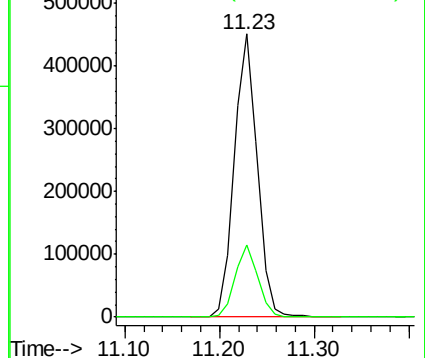
105 100

120 25.7 12.3 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.216 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Tgt Ion: 43 Resp: 269421

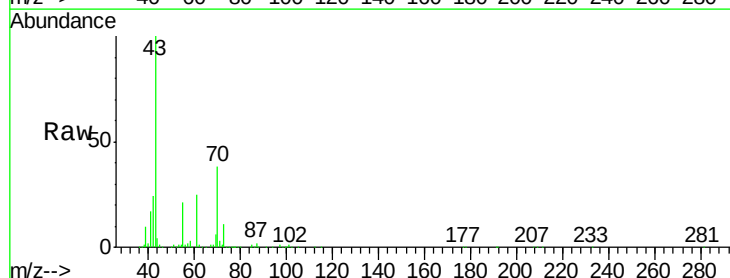
Ion Ratio Lower Upper

43 100

70 37.7 28.8 43.2

55 20.9 17.4 26.0

61 25.0 21.1 31.7

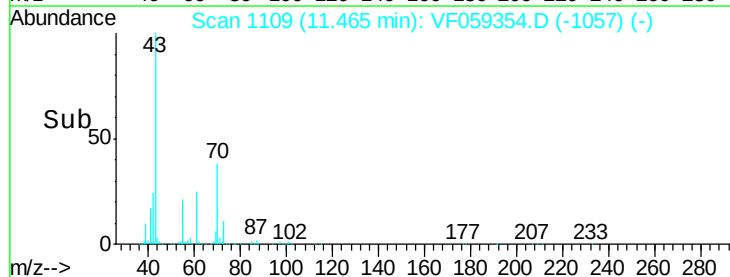
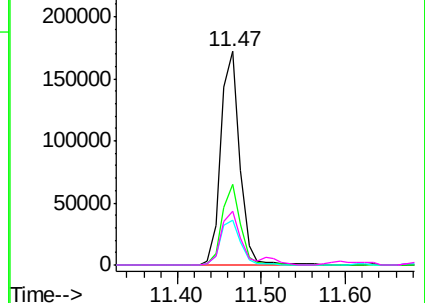


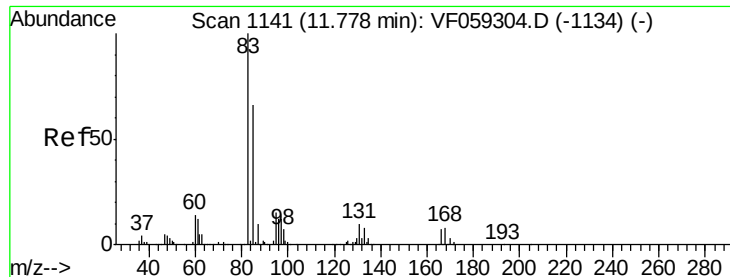
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.582 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

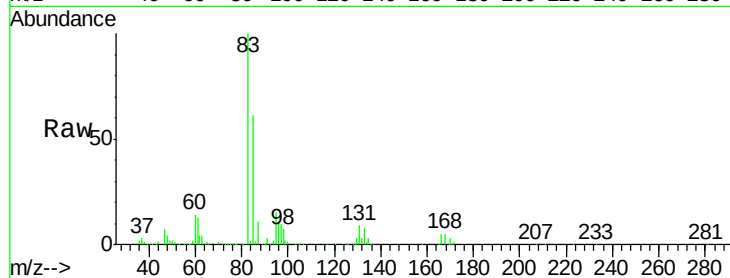
Tot Ion: 83 Resp: 188897

Ion Ratio Lower Upper

83 100

131 8.7 4.9 14.6

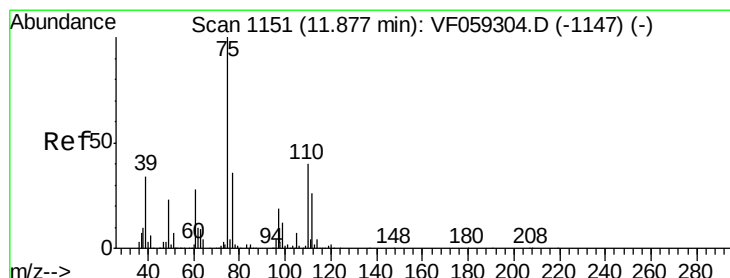
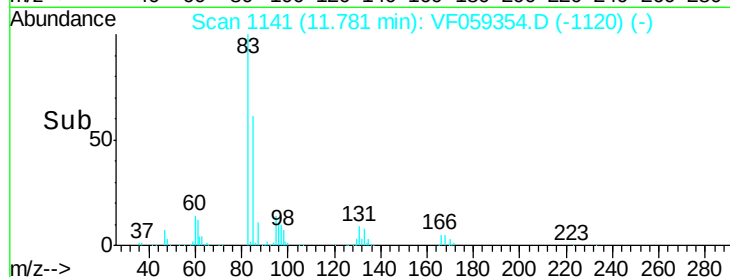
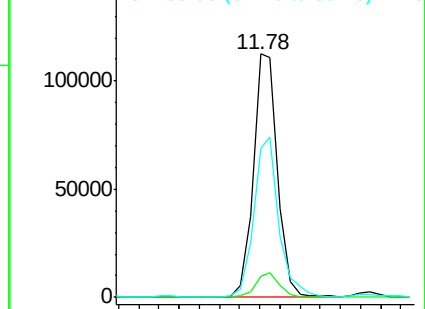
85 61.1 32.8 98.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 49.369 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.01 min

Lab File: VF059354.D

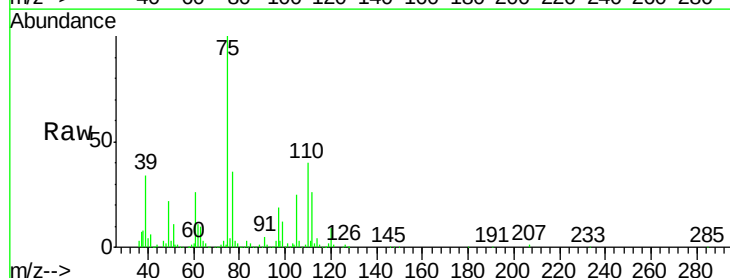
Acq: 28 Jun 2018 11:16

Tgt Ion: 75 Resp: 141880

Ion Ratio Lower Upper

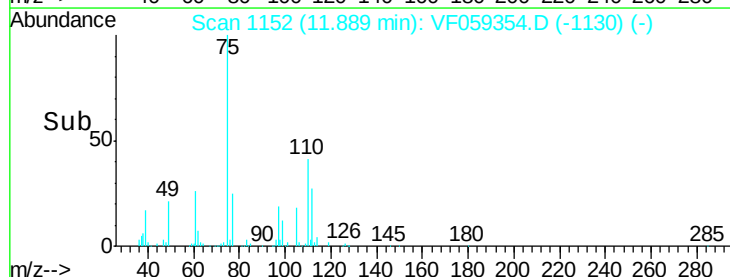
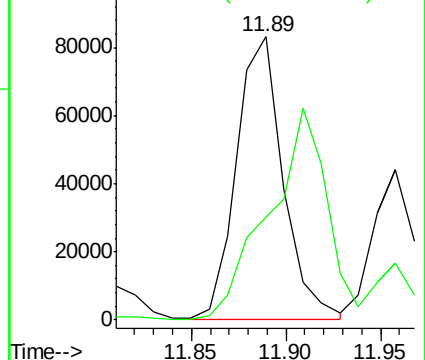
75 100

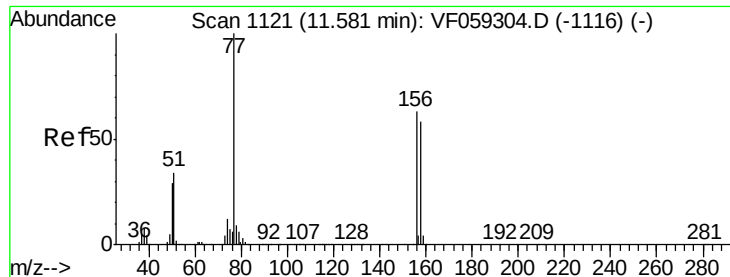
77 36.4 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 48.507 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

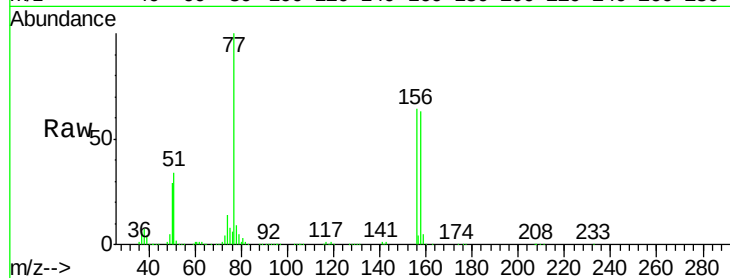
Tot Ion:156 Resp: 203015

Ion Ratio Lower Upper

156 100

77 156.3 79.7 238.9

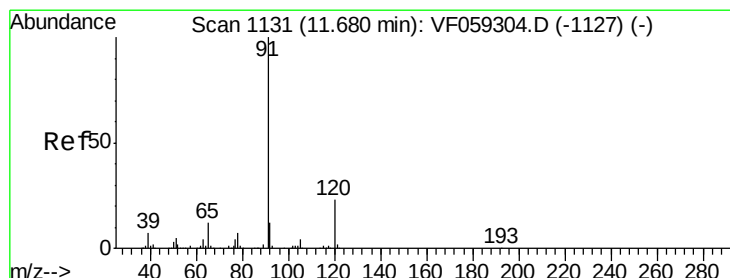
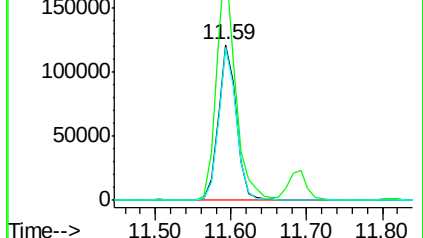
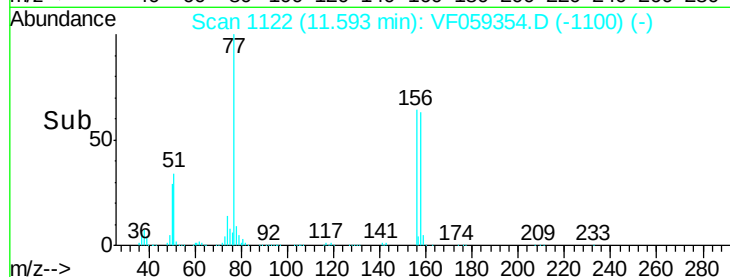
158 98.0 46.2 138.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 47.633 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF059354.D

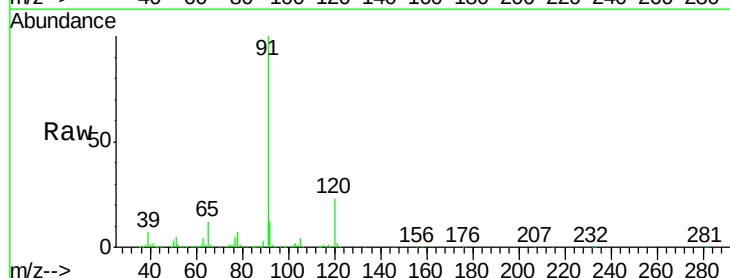
Acq: 28 Jun 2018 11:16

Tgt Ion: 91 Resp: 862949

Ion Ratio Lower Upper

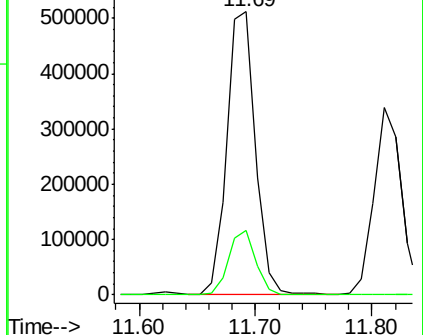
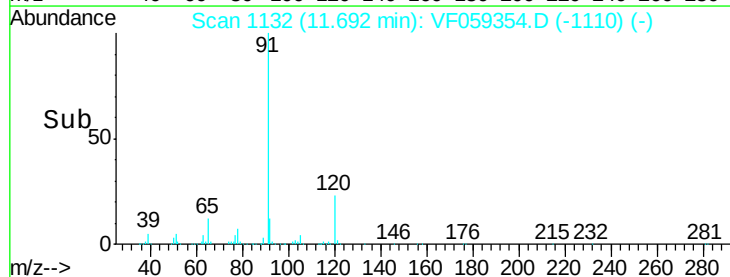
91 100

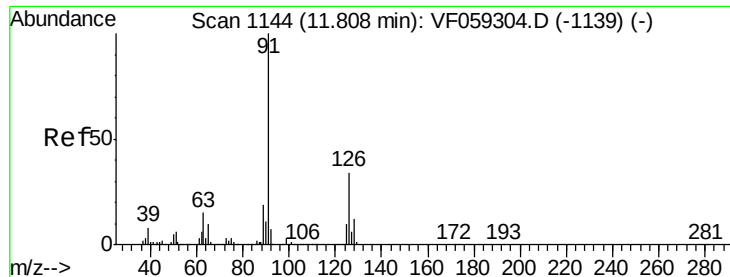
120 22.7 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.410 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

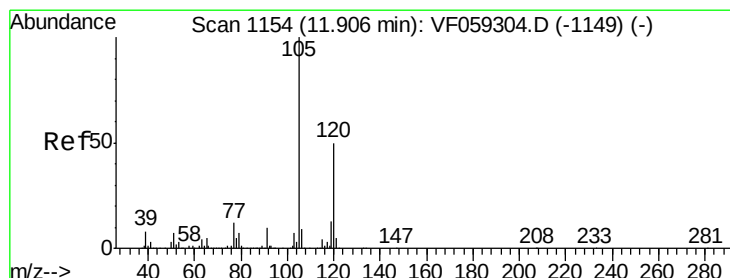
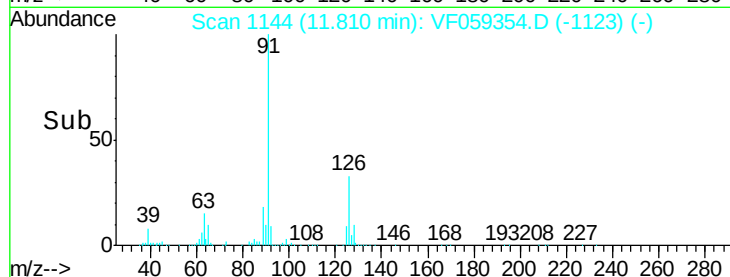
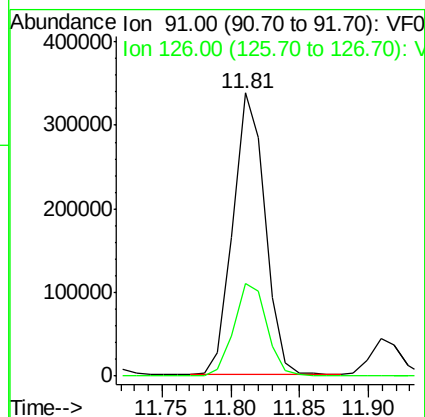
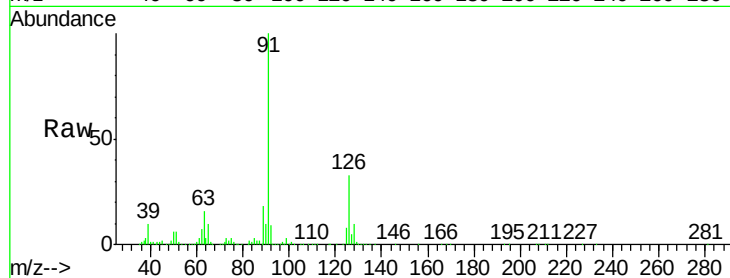
VSTDCCC050

Tot Ion: 91 Resp: 546884

Ion Ratio Lower Upper

91 100

126 32.6 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 50.032 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF059354.D

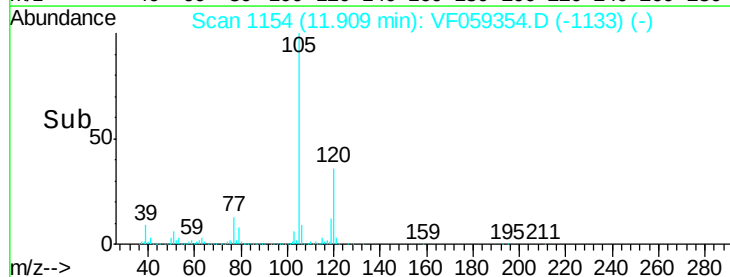
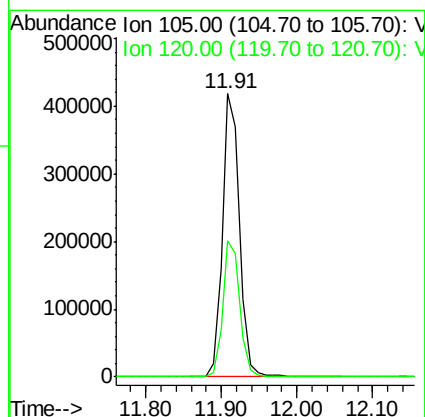
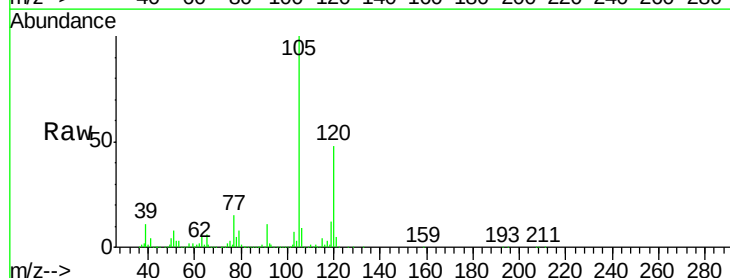
Acq: 28 Jun 2018 11:16

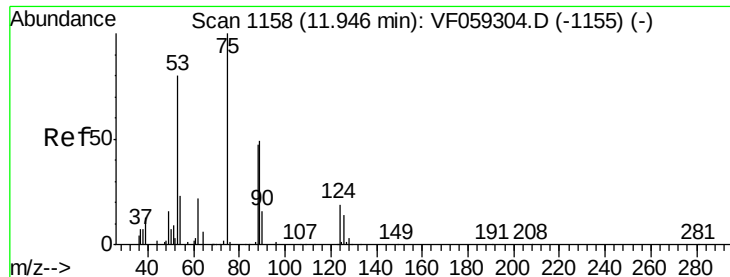
Tgt Ion: 105 Resp: 661127

Ion Ratio Lower Upper

105 100

120 48.3 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 50.823 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

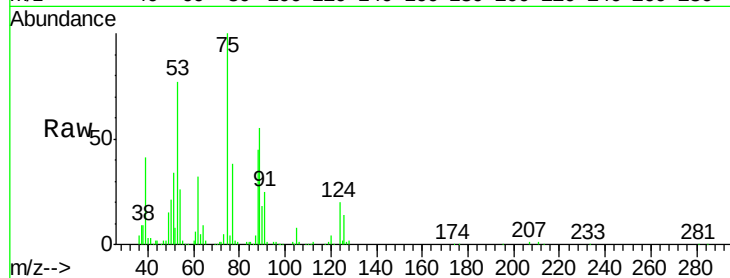
Tot Ion: 75 Resp: 86931

Ion Ratio Lower Upper

75 100

53 77.2 68.8 103.2

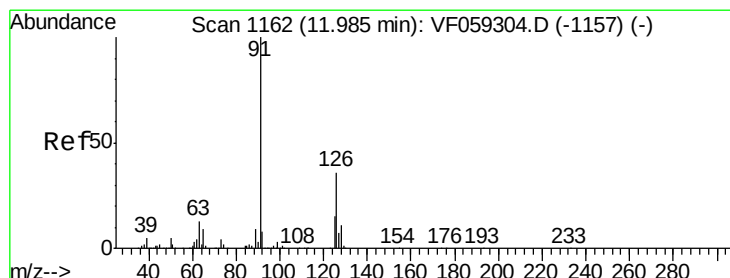
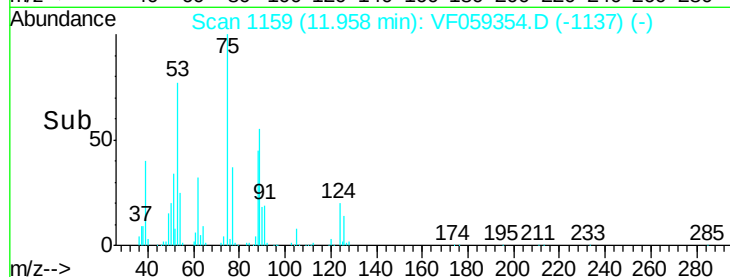
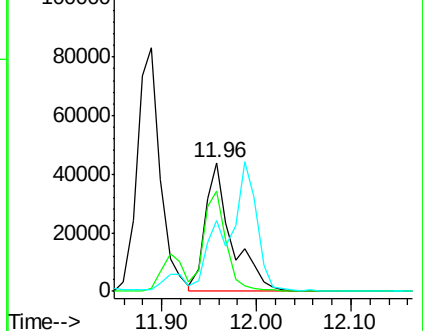
89 54.8 42.0 63.0



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: 49.945 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059354.D

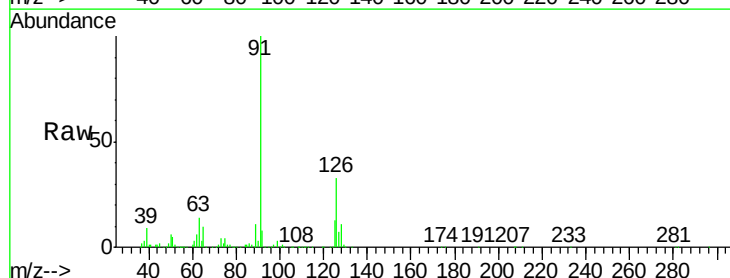
Acq: 28 Jun 2018 11:16

Tgt Ion: 91 Resp: 592125

Ion Ratio Lower Upper

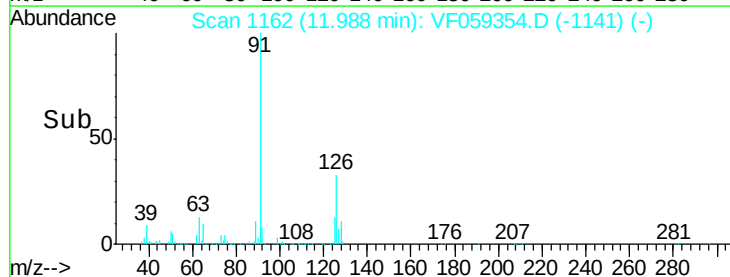
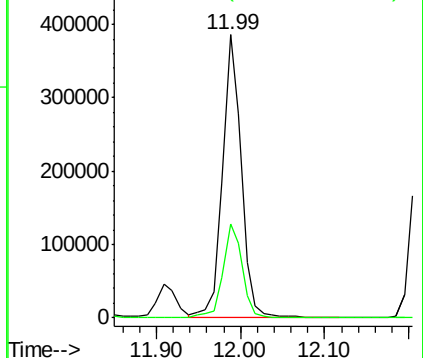
91 100

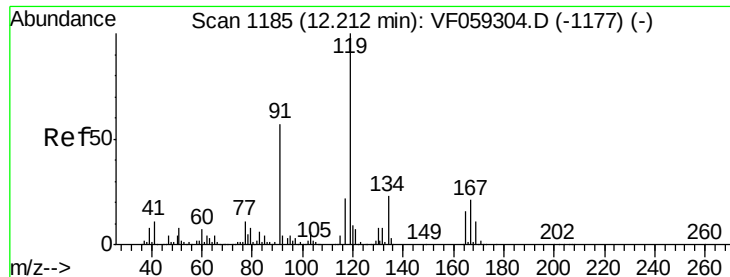
126 33.2 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

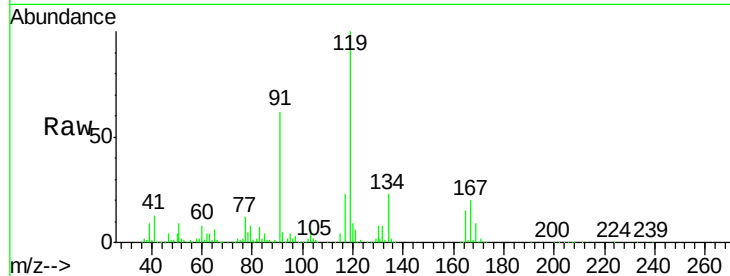




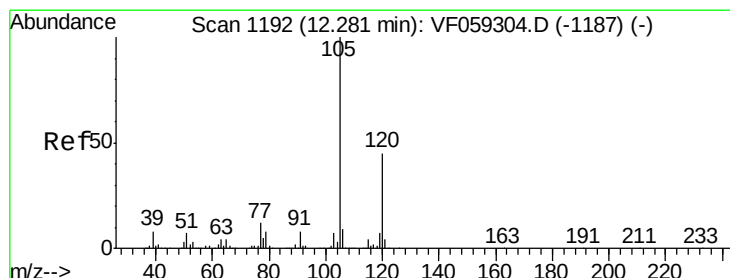
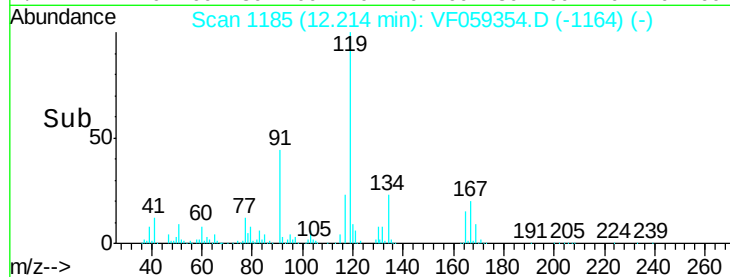
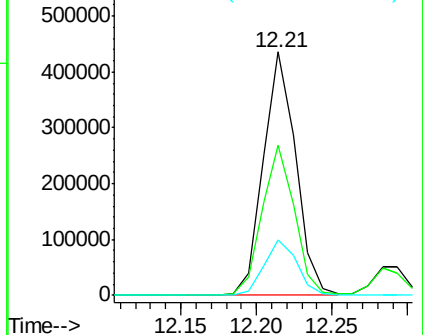
#83
 tert-Butylbenzene
 Concen: 49.718 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059354.D
 Acq: 28 Jun 2018 11:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 657076
 Ion Ratio Lower Upper
 119 100
 91 61.8 28.4 85.2
 134 22.9 11.7 35.1

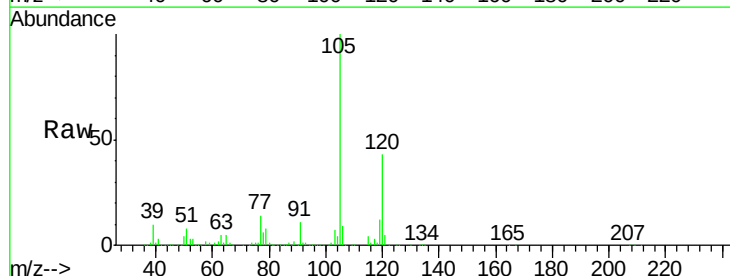


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

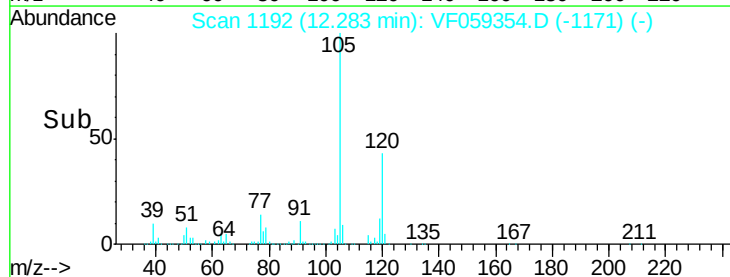
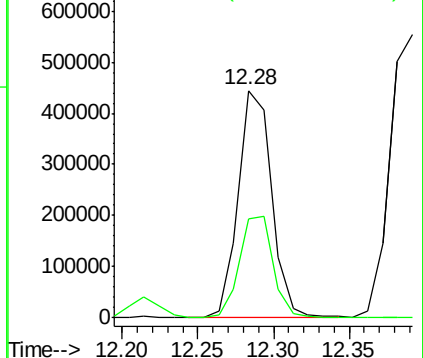


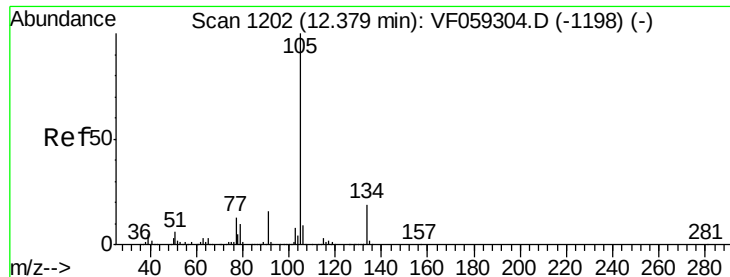
#84
 1,2,4-Trimethylbenzene
 Concen: 49.206 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF059354.D
 Acq: 28 Jun 2018 11:16

Tgt Ion:105 Resp: 684796
 Ion Ratio Lower Upper
 105 100
 120 43.4 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.181 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

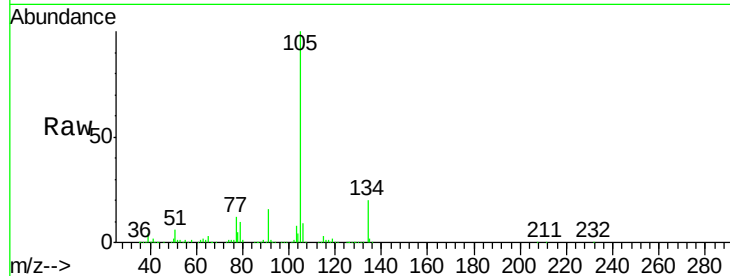
VSTDCCC050

Tot Ion:105 Resp: 879090

Ion Ratio Lower Upper

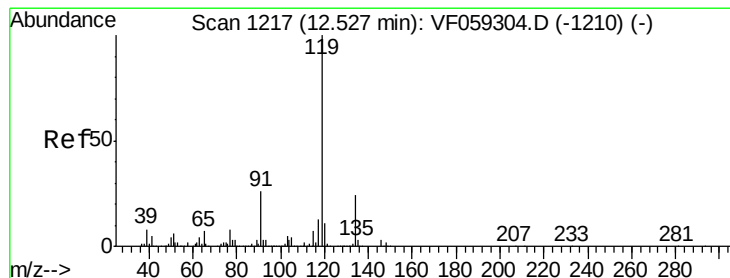
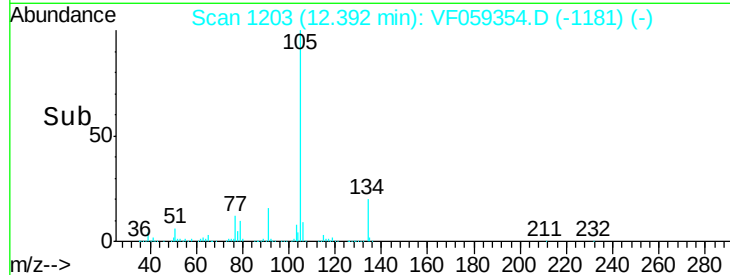
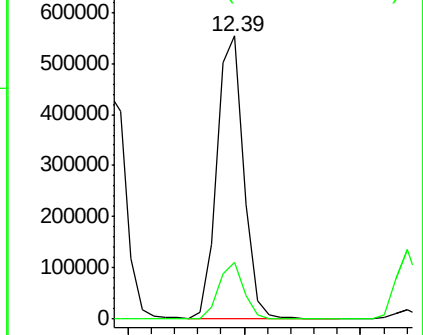
105 100

134 20.1 9.4 28.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.507 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

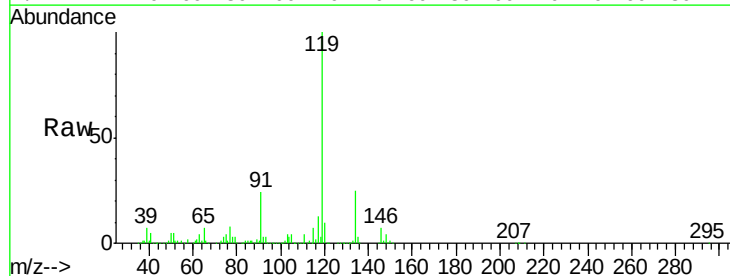
Tgt Ion:119 Resp: 742532

Ion Ratio Lower Upper

119 100

134 25.5 12.2 36.4

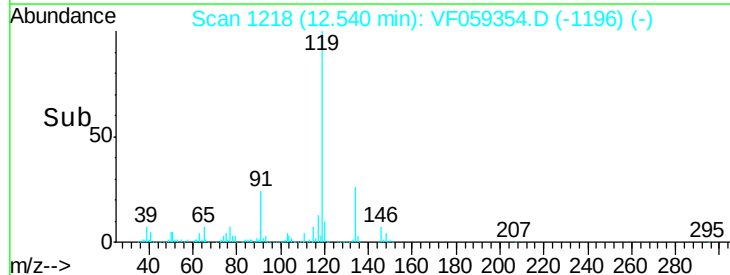
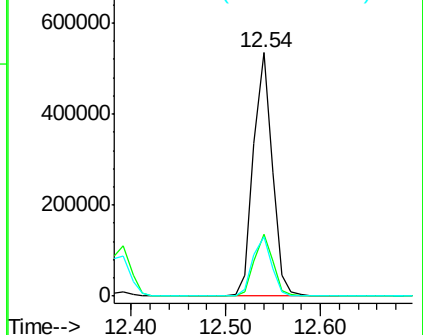
91 24.2 12.9 38.6

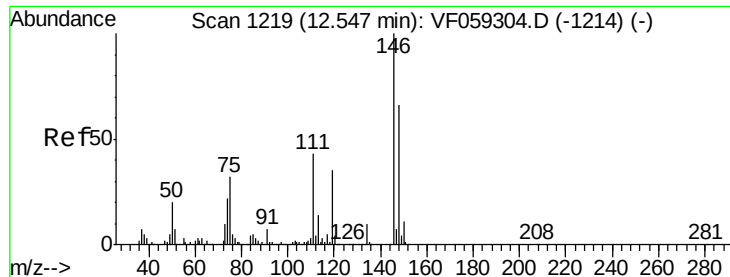


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

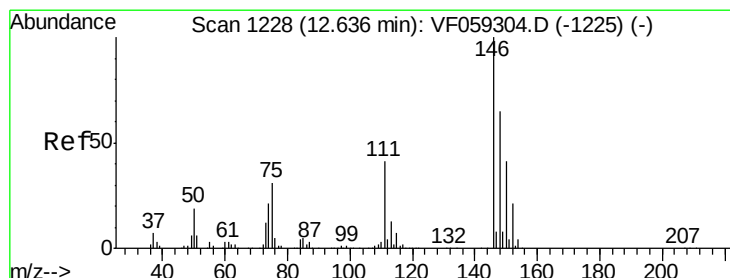
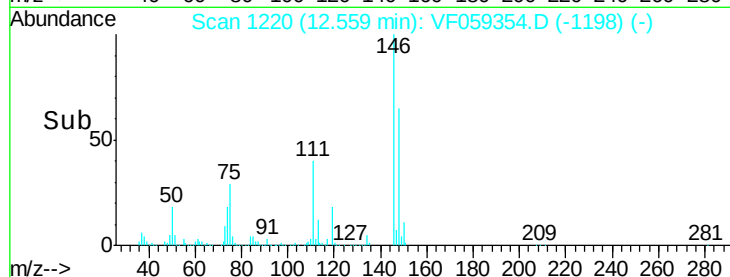
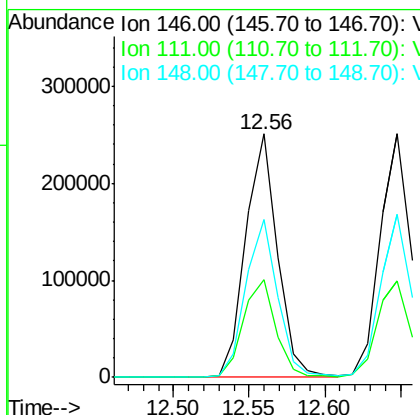
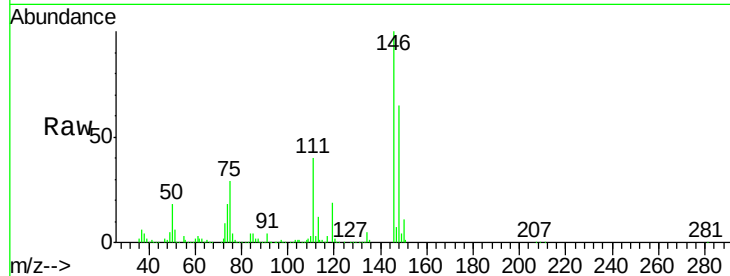




#87
 1,3-Dichlorobenzene
 Concen: 53.849 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059354.D
 Acq: 28 Jun 2018 11:16

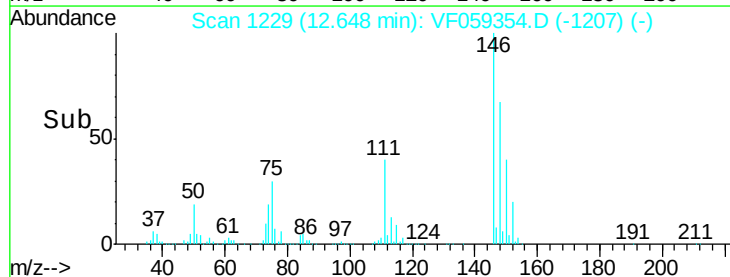
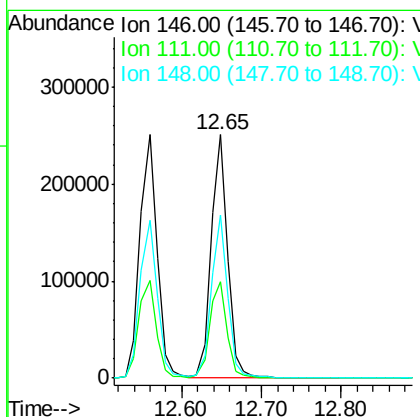
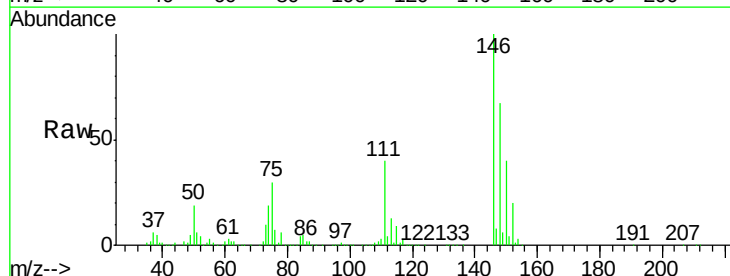
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

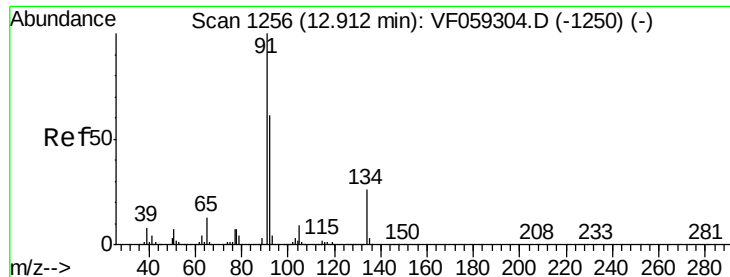
Tot Ion:146 Resp: 369644
 Ion Ratio Lower Upper
 146 100
 111 40.0 21.4 64.2
 148 64.6 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 48.916 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF059354.D
 Acq: 28 Jun 2018 11:16

Tgt Ion:146 Resp: 365616
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.7 62.1
 148 67.1 32.8 98.3





#89

n-Butylbenzene

Concen: 51.323 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

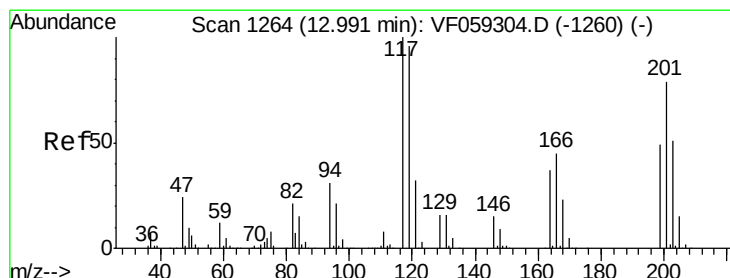
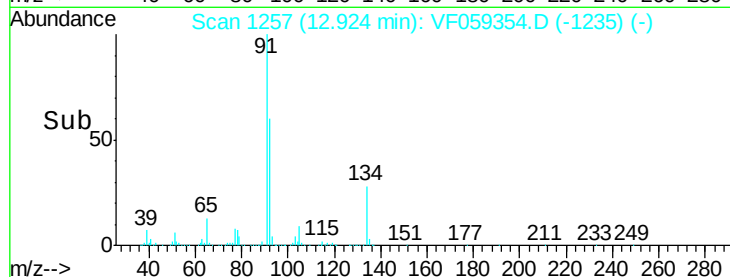
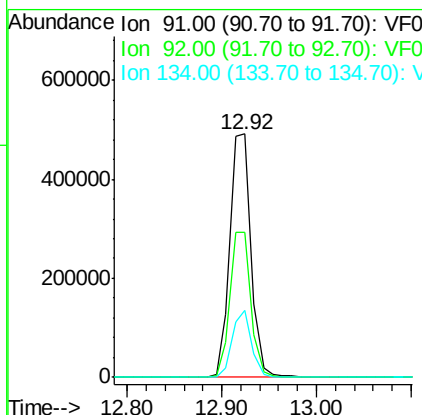
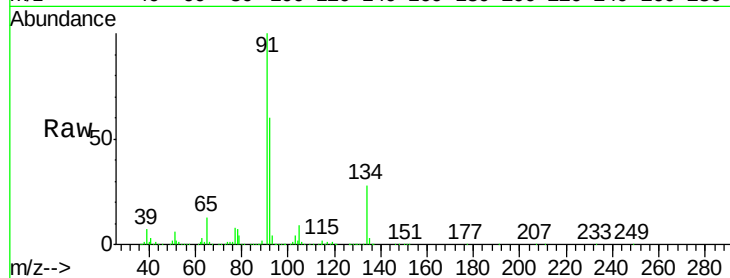
Tot Ion: 91 Resp: 765965

Ion Ratio Lower Upper

91 100

92 59.7 30.3 91.0

134 27.6 12.9 38.7



#90

Hexachloroethane

Concen: 50.093 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF059354.D

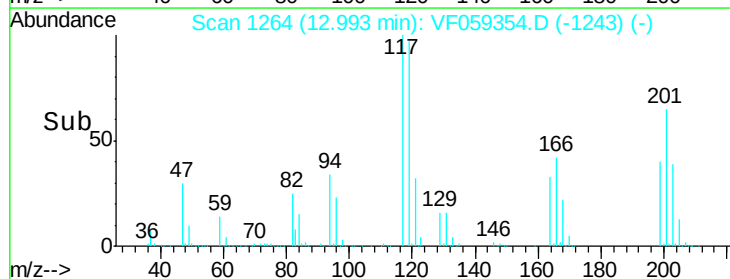
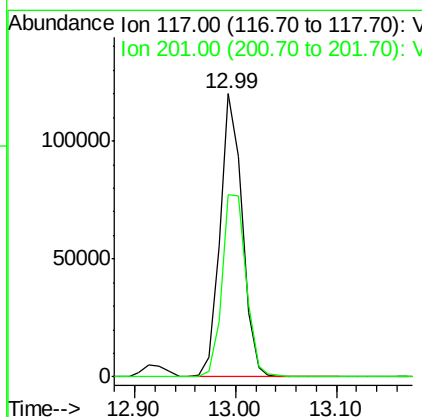
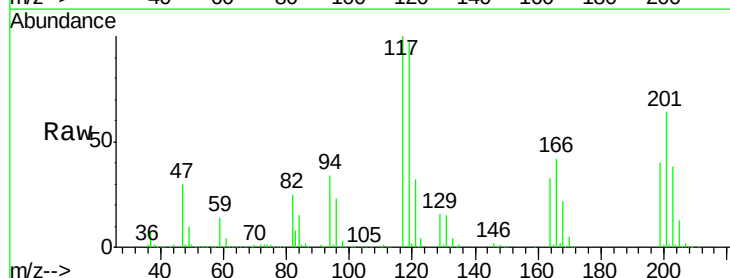
Acq: 28 Jun 2018 11:16

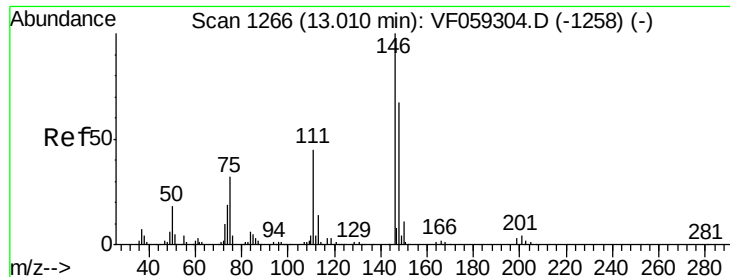
Tgt Ion: 117 Resp: 183551

Ion Ratio Lower Upper

117 100

201 64.4 39.5 118.5

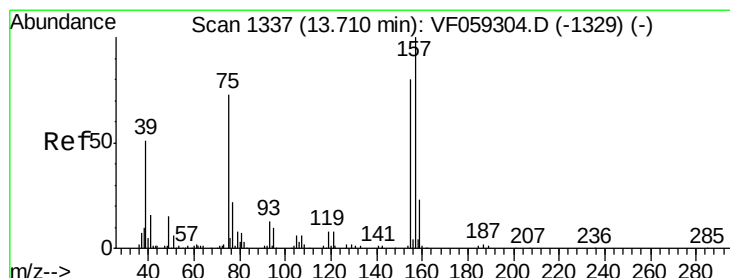
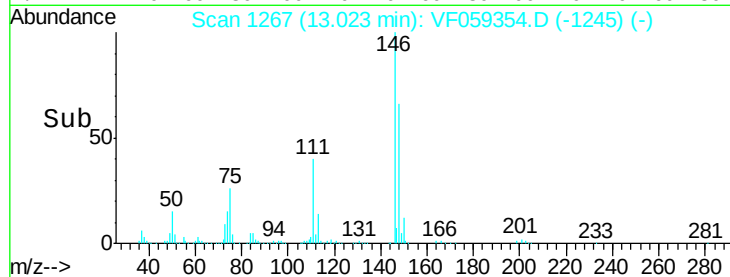
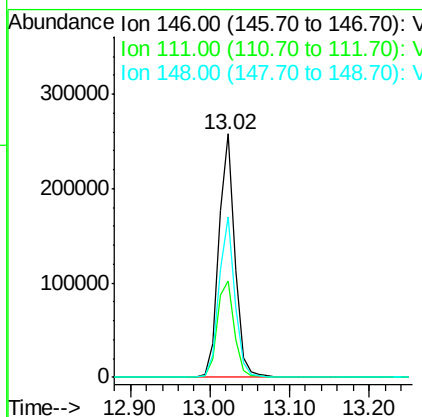
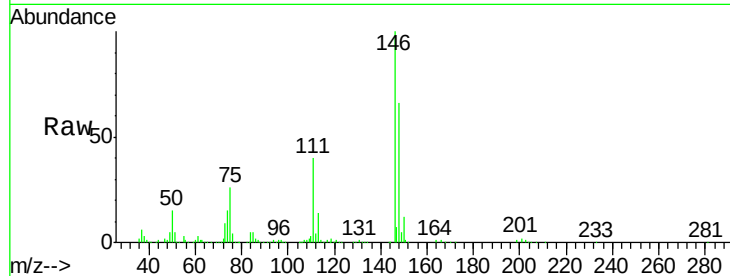




#91
 1,2-Dichlorobenzene
 Concen: 48.243 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VF059354.D
 Acq: 28 Jun 2018 11:16

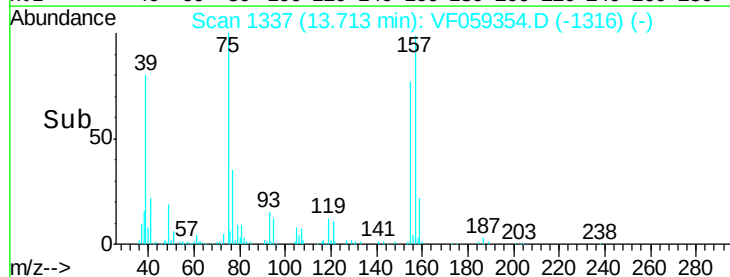
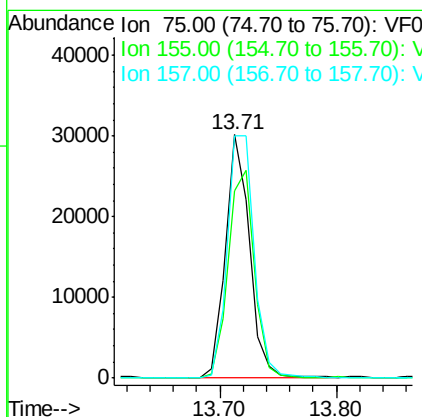
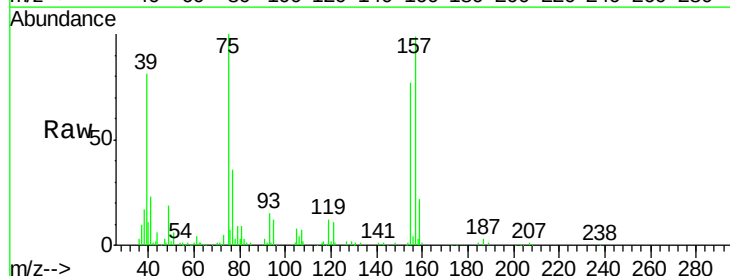
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

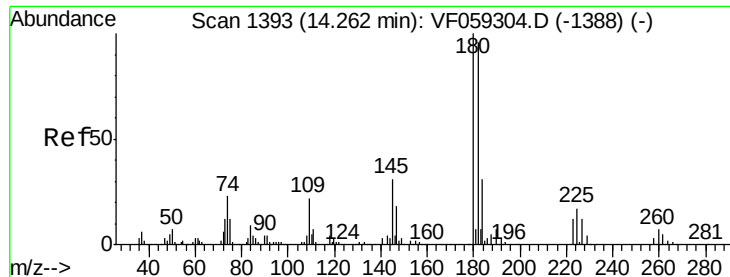
Tot Ion	146	Resp	366546
Ion Ratio	Lower	Upper	
146	100		
111	39.7	22.7	68.0
148	65.9	33.5	100.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.390 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059354.D
 Acq: 28 Jun 2018 11:16

Tgt Ion	75	Resp	43401
Ion Ratio	Lower	Upper	
75	100		
155	77.1	54.6	163.8
157	99.4	68.7	205.9

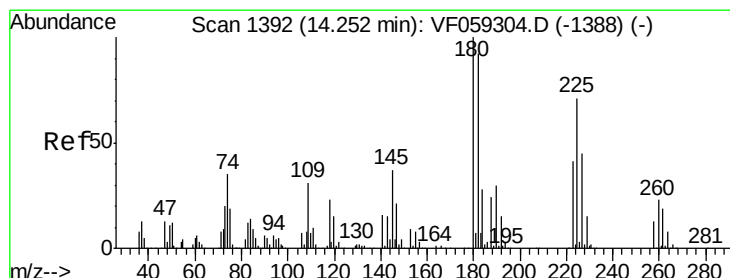
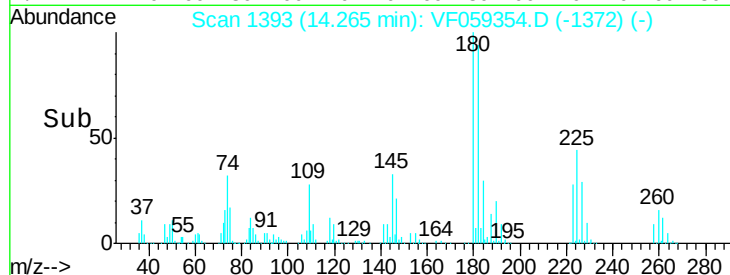
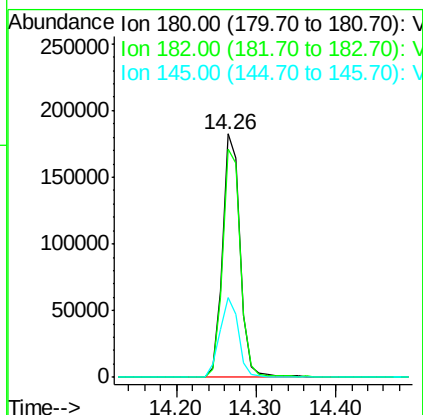
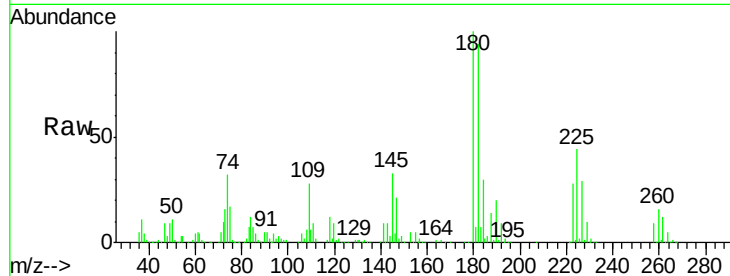




#93
1,2,4-Trichlorobenzene
Concen: 50.974 ug/l
RT: 14.26 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

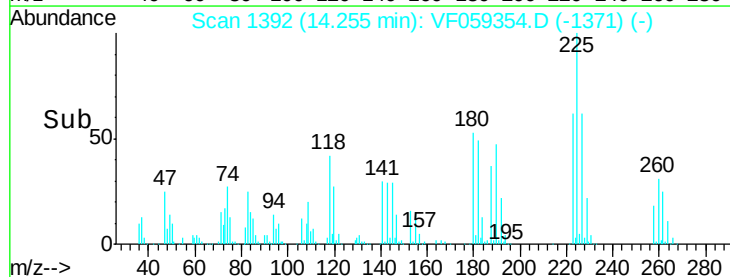
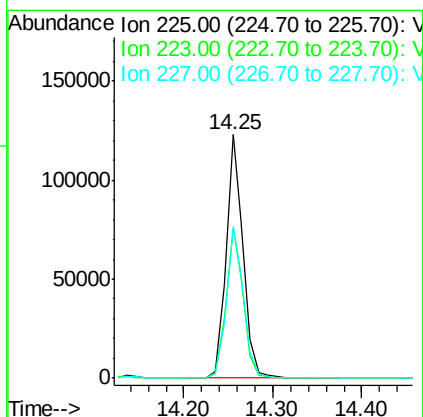
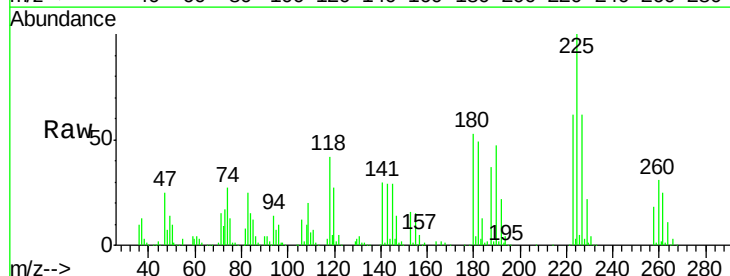
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

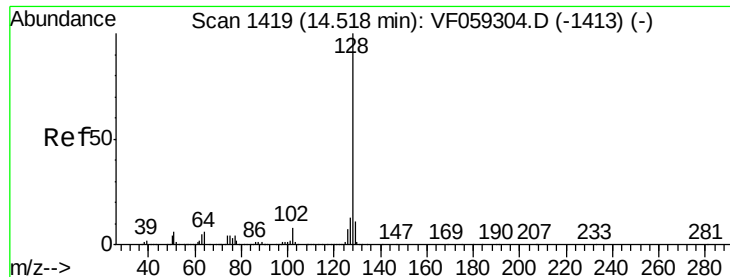
Tot Ion:180 Resp: 286377
Ion Ratio Lower Upper
180 100
182 94.0 48.1 144.3
145 32.9 15.3 45.8



#94
Hexachlorobutadiene
Concen: 52.613 ug/l
RT: 14.25 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion:225 Resp: 165104
Ion Ratio Lower Upper
225 100
223 61.8 28.9 86.8
227 62.2 31.3 93.8

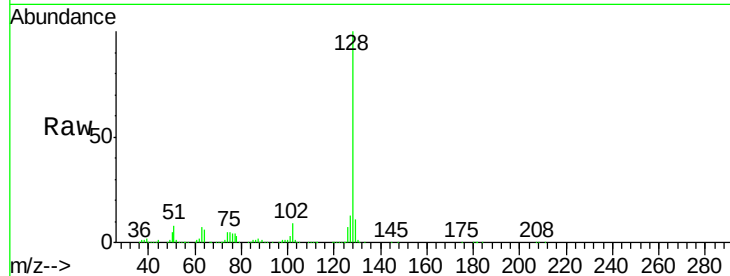




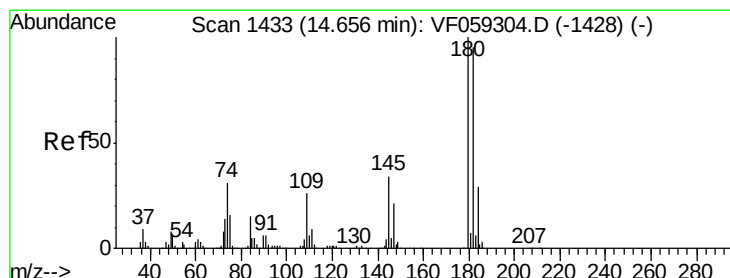
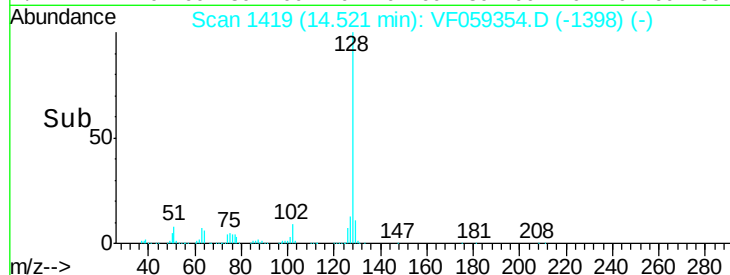
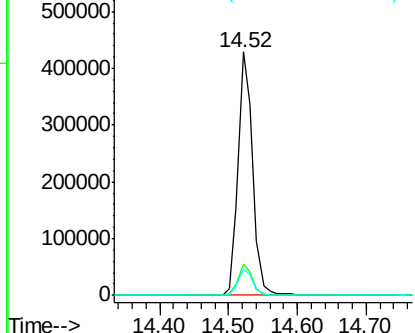
#95
Naphthalene
Concen: 53.699 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 631200
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.7 8.8 13.2

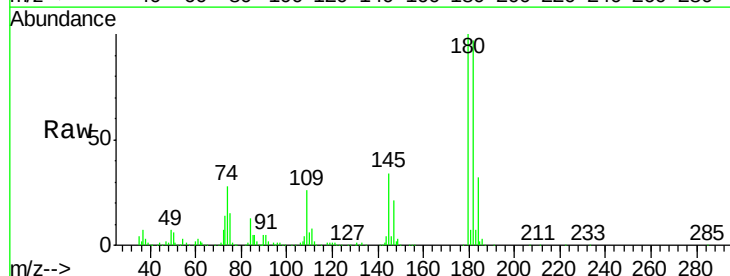


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 52.935 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion:180 Resp: 281725
Ion Ratio Lower Upper
180 100
182 96.7 47.5 142.5
145 34.0 17.0 50.9



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

