

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF061818\
 Data File : VF059189.D
 Acq On : 18 Jun 2018 21:30
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 19 02:58:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	153899	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	244561	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	231899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	133914	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	105504	56.53	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	113.06%	
35) Dibromofluoromethane	4.28	113	96690	56.35	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	112.70%	
50) Toluene-d8	7.70	98	251965	49.98	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.96%	
62) 4-Bromofluorobenzene	11.50	95	126016	48.74	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	76915	44.157	ug/l	96
3) Chloromethane	1.08	50	55915	41.441	ug/l	98
4) Vinyl Chloride	1.14	62	57404	47.157	ug/l	97
5) Bromomethane	1.33	94	39610	55.845	ug/l #	78
6) Chloroethane	1.42	64	28793	57.007	ug/l #	86
7) Trichlorofluoromethane	1.49	101	34979	18.486	ug/l	91
8) Diethyl Ether	1.70	74	27361	57.474	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.90	101	62292	51.656	ug/l	97
10) Methyl Iodide	1.95	142	119737	56.746	ug/l	92
11) Tert butyl alcohol	2.68	59	38172	319.188	ug/l #	90
12) 1,1-Dichloroethene	1.84	96	55100	54.336	ug/l	83
13) Acrolein	2.09	56	29138	281.496	ug/l	99
14) Allyl chloride	2.19	41	109383	54.958	ug/l	98
15) Acrylonitrile	3.07	53	76591	322.465	ug/l	94
16) Acetone	2.33	43	141519	317.564	ug/l	94
17) Carbon Disulfide	1.84	76	142753	50.139	ug/l	100
18) Methyl Acetate	2.53	43	61819	80.694	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	192019	60.997	ug/l	98
20) Methylene Chloride	2.27	84	64711	60.645	ug/l	95
21) trans-1,2-Dichloroethene	2.40	96	58355	52.472	ug/l	92
22) Diisopropyl ether	2.91	45	231183	59.088	ug/l	97
23) Vinyl Acetate	3.32	43	768173	297.780	ug/l	99
24) 1,1-Dichloroethane	2.99	63	134680	56.780	ug/l	98
25) 2-Butanone	4.50	43	192235	278.241	ug/l	100
26) 2,2-Dichloropropane	3.75	77	104942	60.984	ug/l	91
27) cis-1,2-Dichloroethene	3.62	96	90776	53.035	ug/l	92
28) Bromochloromethane	3.88	49	53471	50.084	ug/l	91
29) Tetrahydrofuran	4.25	42	87364	286.979	ug/l	97
30) Chloroform	4.03	83	187986	55.401	ug/l	90
31) Cyclohexane	3.85	56	97309	46.962	ug/l	99
32) 1,1,1-Trichloroethane	4.27	97	145921	57.603	ug/l	98
36) 1,1-Dichloropropene	4.45	75	125333	52.872	ug/l	93
37) Ethyl Acetate	4.28	43	92617	63.233	ug/l	98
38) Carbon Tetrachloride	4.16	117	145080	56.471	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	123540	51.127	ug/l	96
40) Benzene	4.80	78	299203	54.379	ug/l	97
41) Methacrylonitrile	4.92	41	39557	54.971	ug/l	96
42) 1,2-Dichloroethane	5.10	62	147168	59.637	ug/l	99
43) Isopropyl Acetate	7.10	43	103647	52.837	ug/l #	96
44) Trichloroethene	5.66	130	95920	55.793	ug/l	91
45) 1,2-Dichloropropane	6.39	63	79471	50.093	ug/l	100
46) Dibromomethane	6.25	93	65013	54.465	ug/l	88
47) Bromodichloromethane	6.53	83	156028	57.458	ug/l	98
48) Methyl methacrylate	6.86	41	67376	55.717	ug/l	92
49) 1,4-Dioxane	6.86	88	14086	1776.955	ug/l	97
51) 4-Methyl-2-Pentanone	8.40	43	380804	283.235	ug/l	98
52) Toluene	7.76	92	197969	49.953	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	137456	52.268	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	156151	51.688	ug/l	99
55) 1,1,2-Trichloroethane	8.63	97	73558	51.220	ug/l	96
56) Ethyl methacrylate	8.75	69	91167	50.362	ug/l	93
57) 1,3-Dichloropropane	9.00	76	132168	53.800	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.76	63	34311	265.077	ug/l	100
59) 2-Hexanone	9.62	43	271932	255.700	ug/l	86
60) Dibromochloromethane	8.86	129	112020	54.281	ug/l	98
61) 1,2-Dibromoethane	9.12	107	89255	53.487	ug/l	98
64) Tetrachloroethene	8.31	164	87327	51.343	ug/l	97
65) Chlorobenzene	9.93	112	246166	53.607	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	105960	58.007	ug/l	92
67) Ethyl Benzene	10.03	91	421203	52.788	ug/l	96
68) m/p-Xylenes	10.26	106	295663	98.972	ug/l	89
69) o-Xylene	10.82	106	158744	49.167	ug/l	92
70) Styrene	10.90	104	252420	51.672	ug/l	99
71) Bromoform	10.88	173	73804	59.494	ug/l #	95
73) Isopropylbenzene	11.22	105	482134	52.002	ug/l	99
74) N-amyl acetate	11.46	43	166765	50.353	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	112493	51.177	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	86556	53.318	ug/l	98
77) Bromobenzene	11.59	156	124918	53.535	ug/l	89
78) n-propylbenzene	11.69	91	549910	50.110	ug/l	99
79) 2-Chlorotoluene	11.81	91	326520	50.365	ug/l	95
80) 1,3,5-Trimethylbenzene	11.90	105	404863	52.760	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	50753	48.219	ug/l	93
82) 4-Chlorotoluene	11.98	91	337496	48.899	ug/l	96
83) tert-Butylbenzene	12.21	119	422413	55.439	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	409295	51.478	ug/l	91
85) sec-Butylbenzene	12.39	105	526643	50.867	ug/l	99
86) p-Isopropyltoluene	12.54	119	466937	54.910	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	216545	50.266	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	219381	52.844	ug/l	97
89) n-Butylbenzene	12.92	91	428211	48.376	ug/l	96
90) Hexachloroethane	12.99	117	109121	52.108	ug/l	85
91) 1,2-Dichlorobenzene	13.02	146	212131	51.114	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	24625	57.113	ug/l	94

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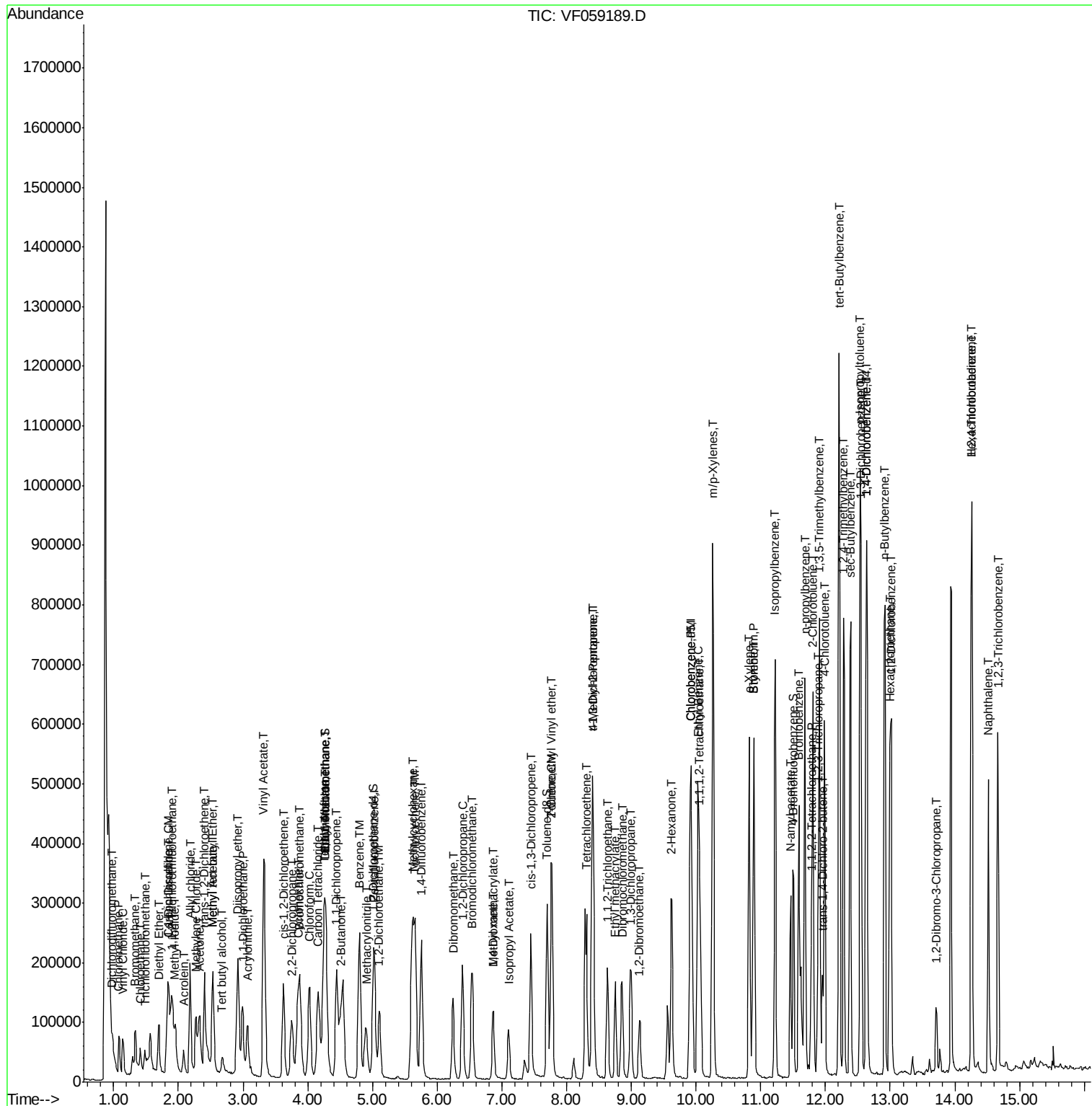
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	161001	55.465	ug/l	92
94) Hexachlorobutadiene	14.25	225	100092	59.587	ug/l	94
95) Naphthalene	14.52	128	355207	57.290	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	153228	57.123	ug/l	99

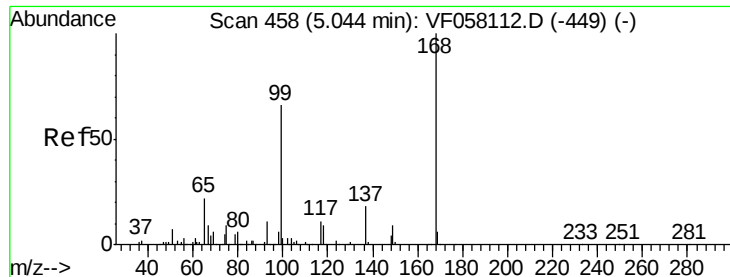
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

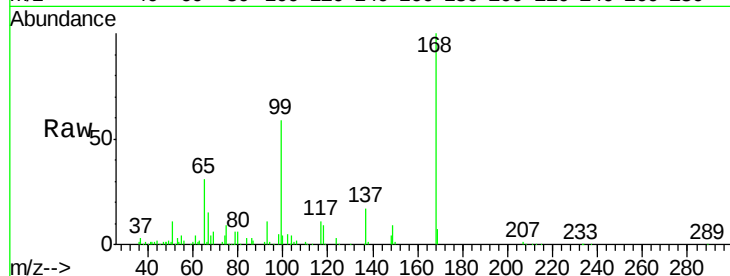
VSTDCCC050EC

Tgt Ion:168 Resp: 153899

Ion Ratio Lower Upper

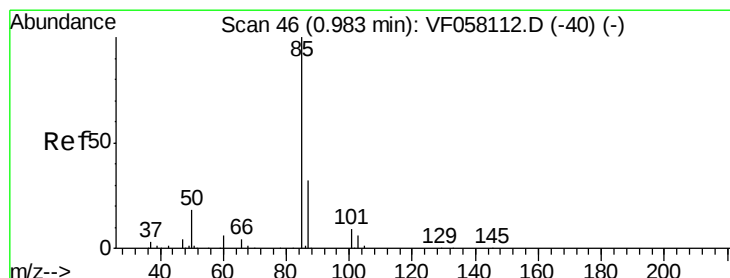
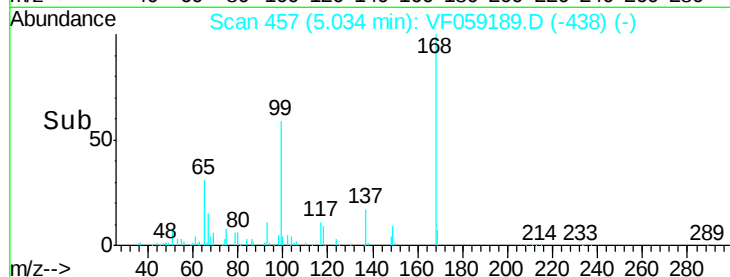
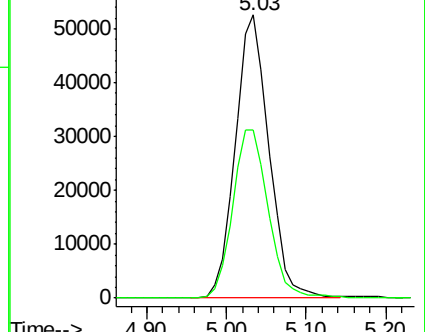
168 100

99 59.5 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 44.157 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059189.D

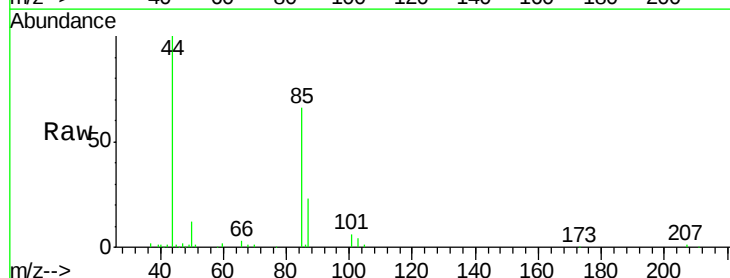
Acq: 18 Jun 2018 21:30

Tgt Ion: 85 Resp: 76915

Ion Ratio Lower Upper

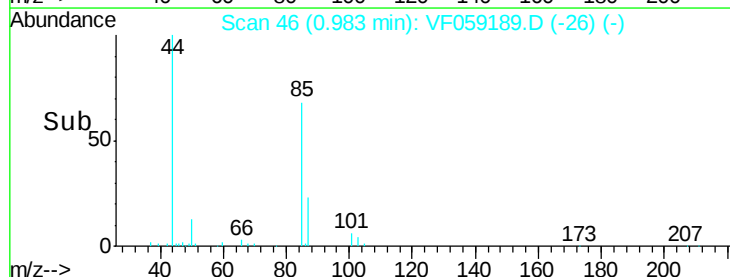
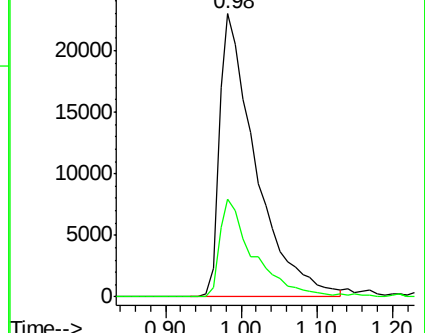
85 100

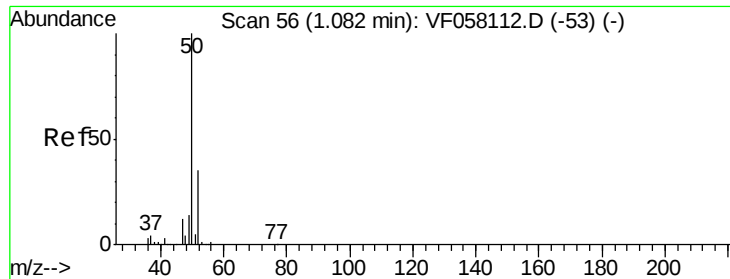
87 34.5 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 41.441 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

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ClientSampleId :

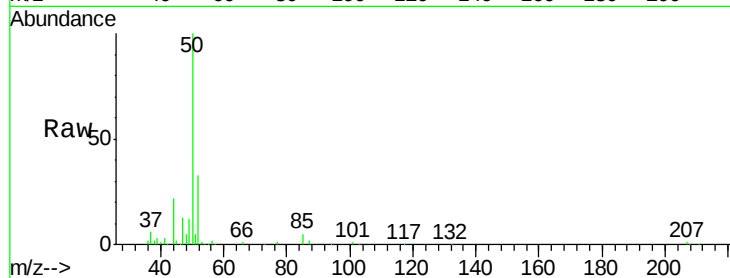
VSTDCCC050EC

Tgt Ion: 50 Resp: 55915

Ion Ratio Lower Upper

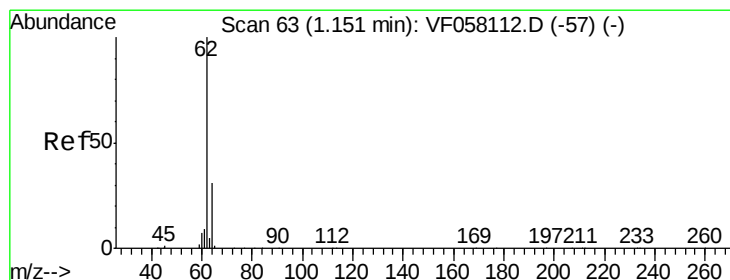
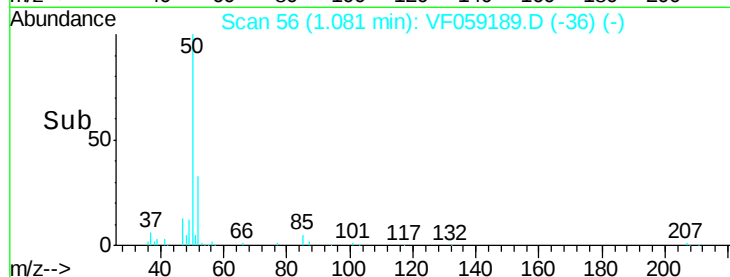
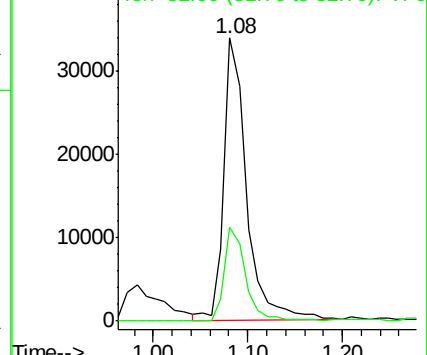
50 100

52 33.1 27.3 40.9



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 47.157 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059189.D

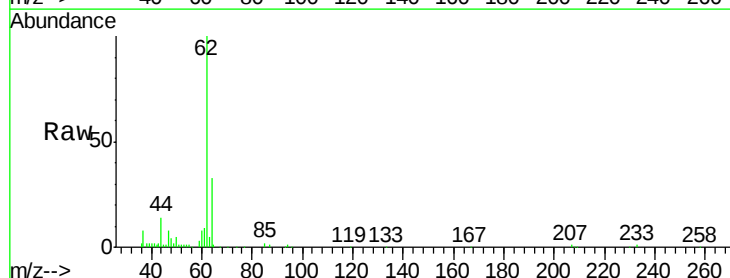
Acq: 18 Jun 2018 21:30

Tgt Ion: 62 Resp: 57404

Ion Ratio Lower Upper

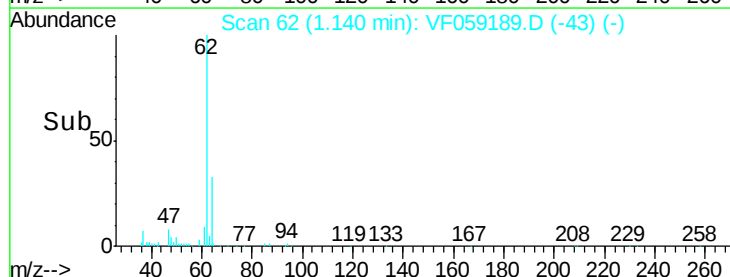
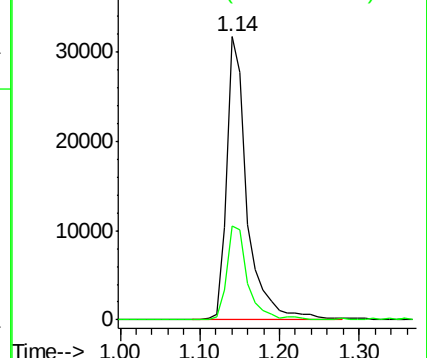
62 100

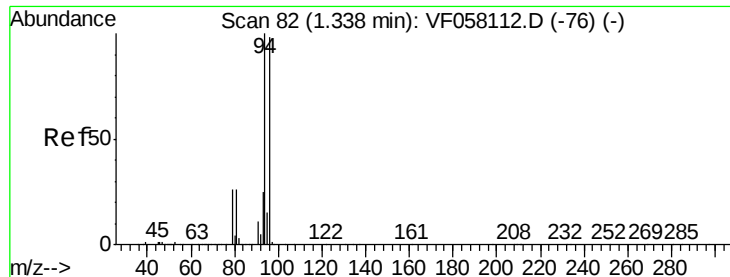
64 33.0 25.0 37.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 55.845 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

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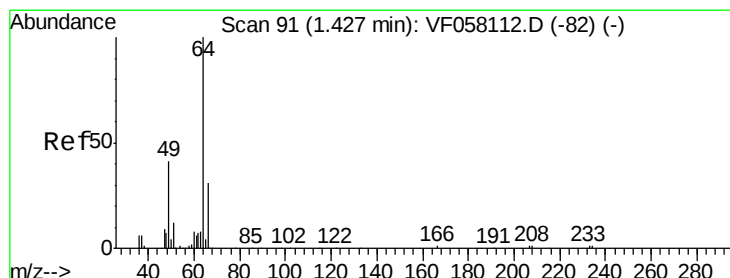
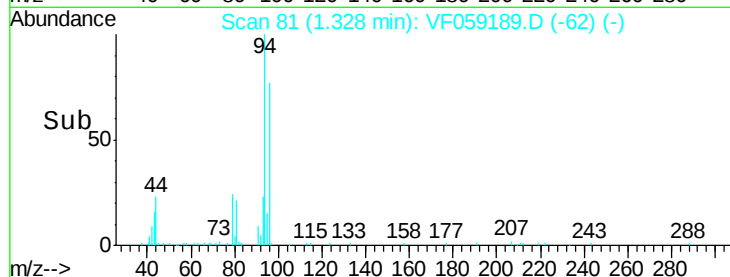
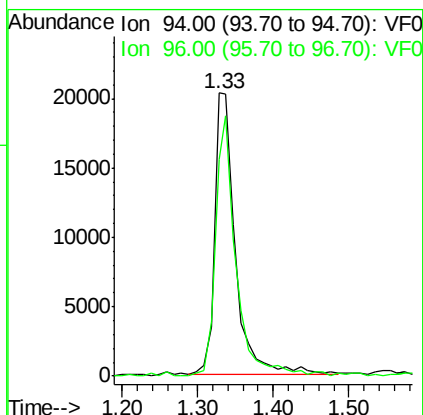
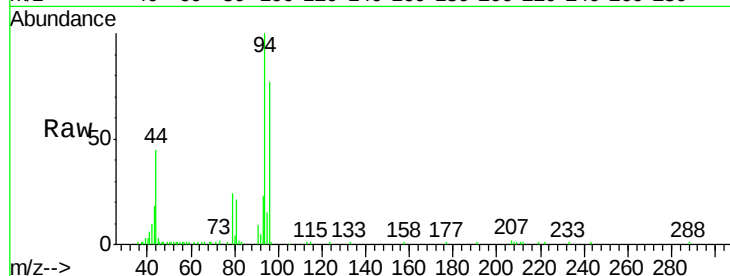
VSTDCCC050EC

Tgt Ion: 94 Resp: 39610

Ion Ratio Lower Upper

94 100

96 76.6 78.6 117.8#



#6

Chloroethane

Concen: 57.007 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059189.D

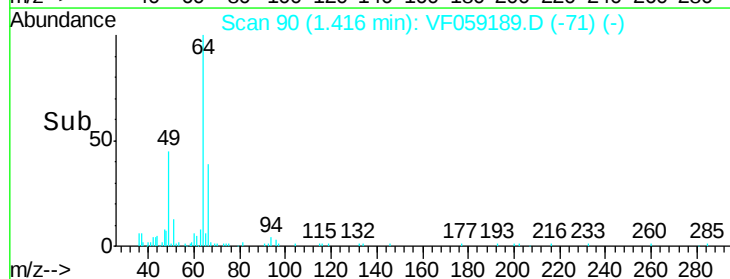
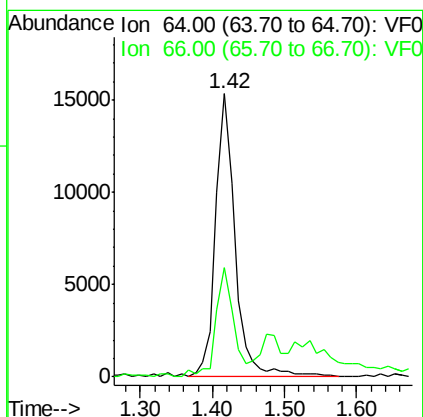
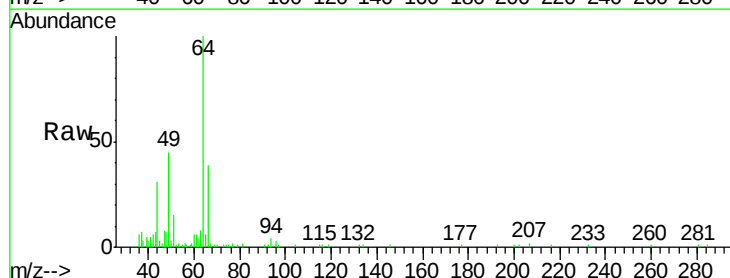
Acq: 18 Jun 2018 21:30

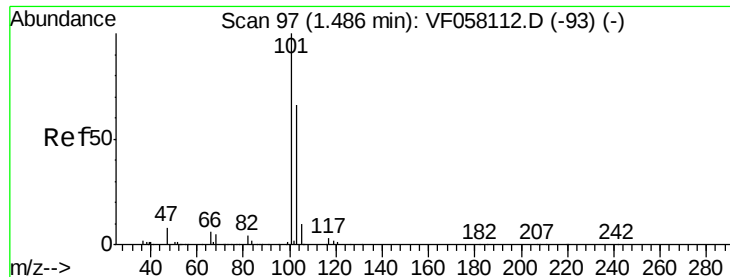
Tgt Ion: 64 Resp: 28793

Ion Ratio Lower Upper

64 100

66 38.7 24.9 37.3#





#7

Trichlorofluoromethane

Concen: 18.486 ug/l

RT: 1.49 min Scan# 97

Delta R.T. -0.00 min

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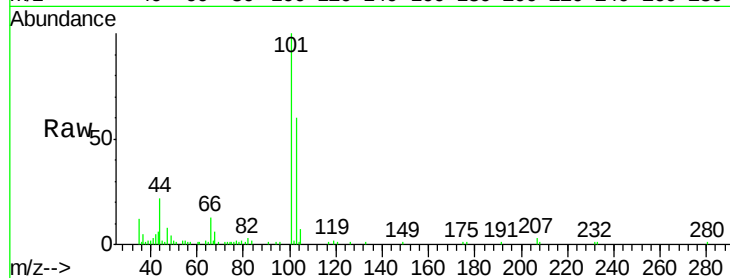
VSTDCCC050EC

Tgt Ion:101 Resp: 34979

Ion Ratio Lower Upper

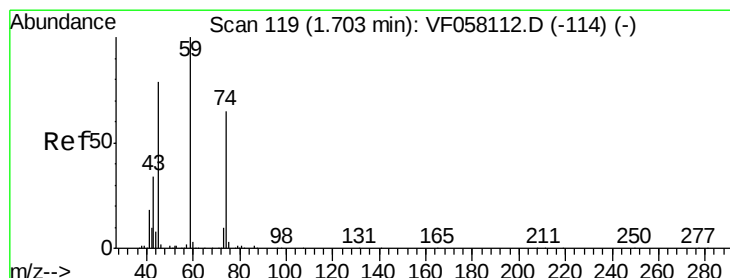
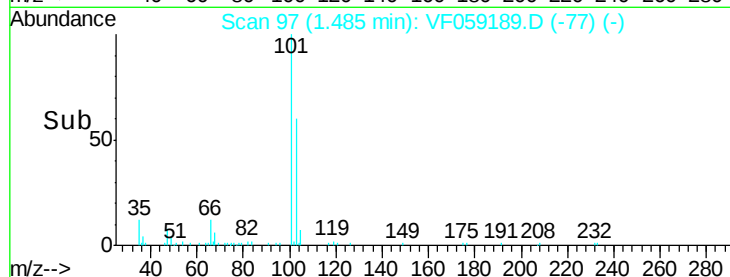
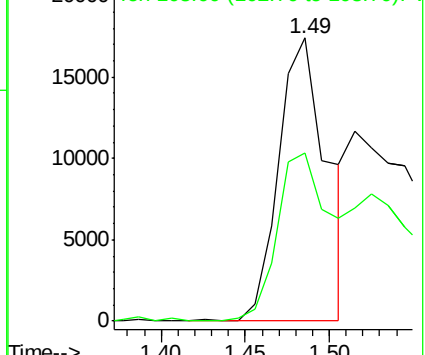
101 100

103 59.6 53.4 80.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 57.474 ug/l

RT: 1.70 min Scan# 119

Delta R.T. -0.00 min

Lab File: VF059189.D

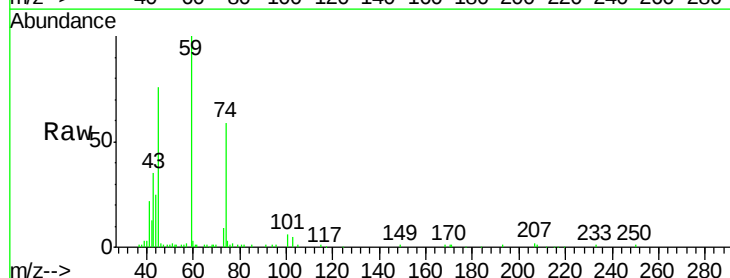
Acq: 18 Jun 2018 21:30

Tgt Ion: 74 Resp: 27361

Ion Ratio Lower Upper

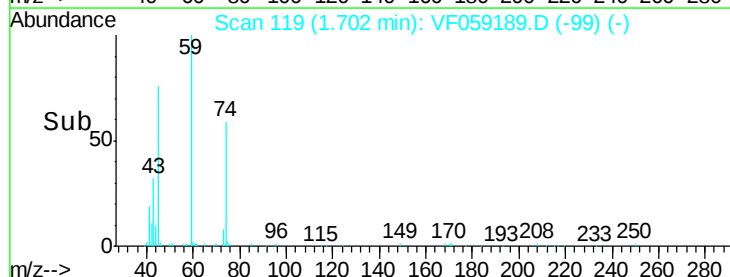
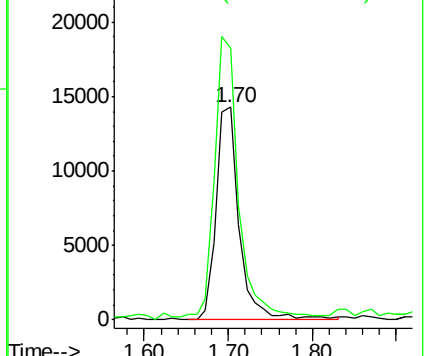
74 100

45 128.0 61.5 184.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.656 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.00 min

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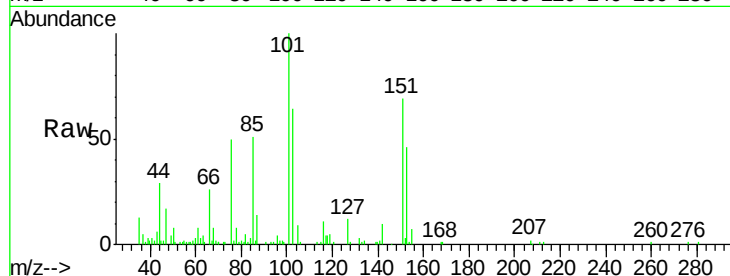
Tgt Ion:101 Resp: 62292

Ion Ratio Lower Upper

101 100

85 50.8 42.2 63.4

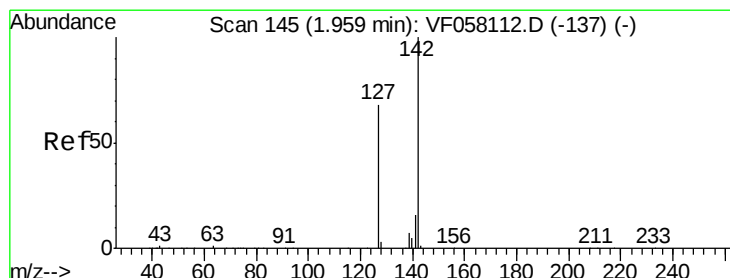
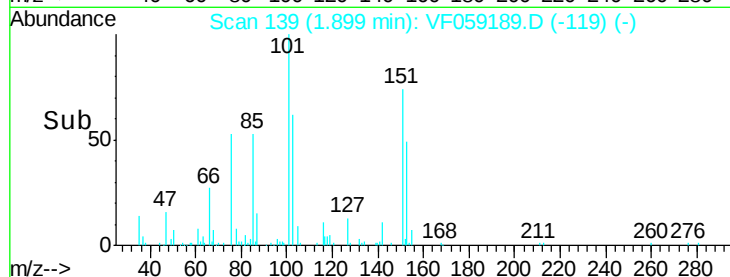
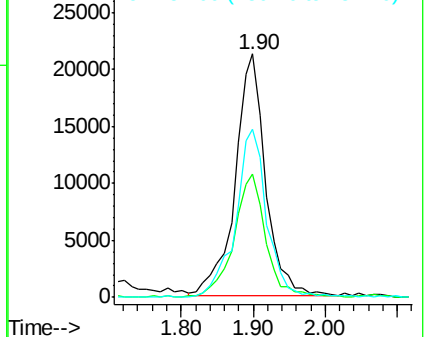
151 69.1 56.8 85.2



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: 56.746 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

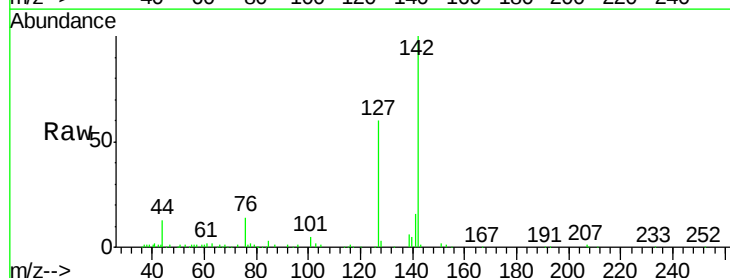
Tgt Ion:142 Resp: 119737

Ion Ratio Lower Upper

142 100

127 59.7 54.1 81.1

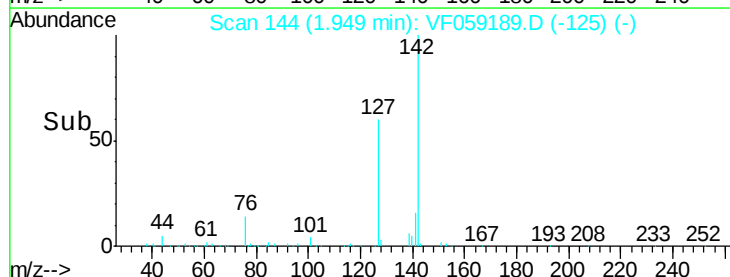
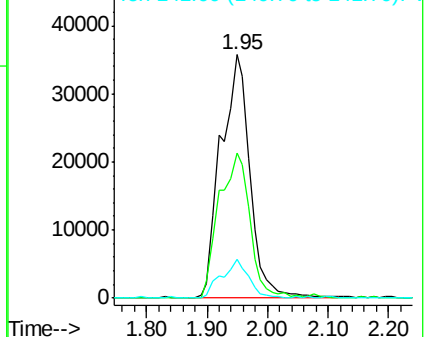
141 15.7 13.0 19.4

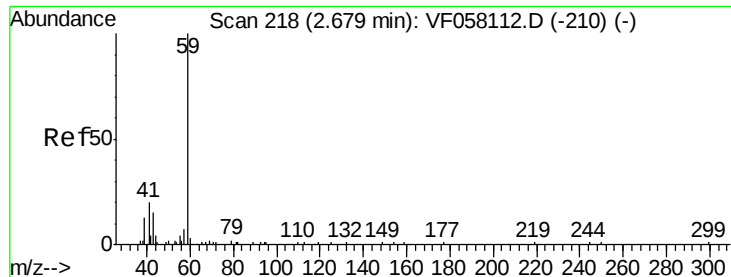


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



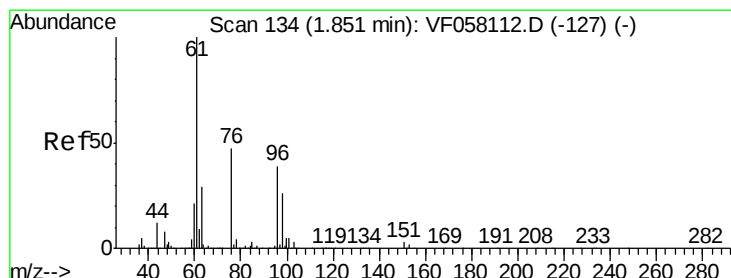
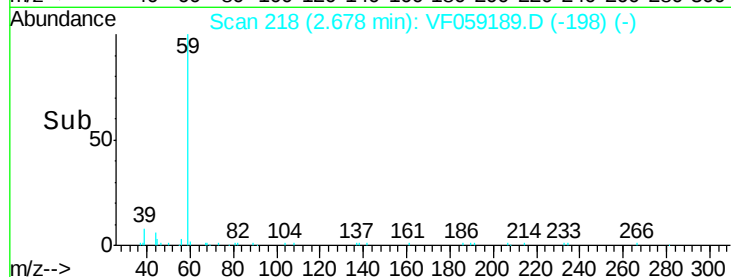
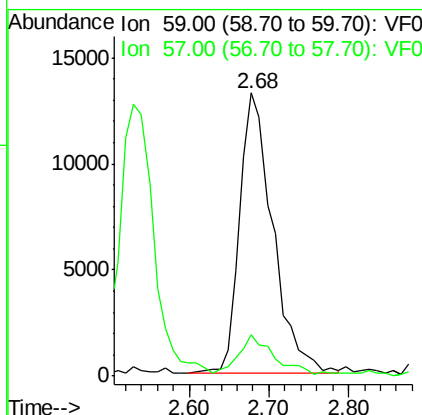
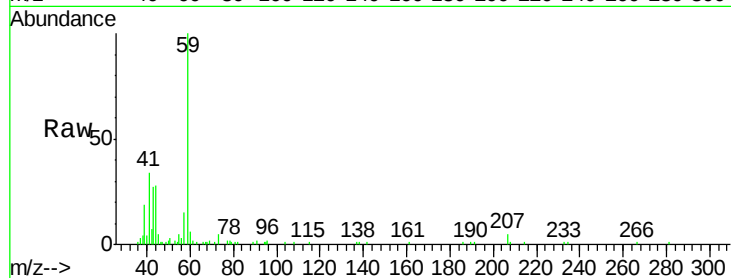


#11

Tert butyl alcohol
 Concen: 319.188 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. -0.00 min
 Lab File: VF059189.D
 Acq: 18 Jun 2018 21:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

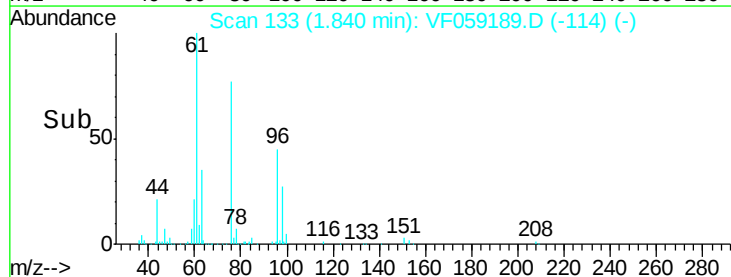
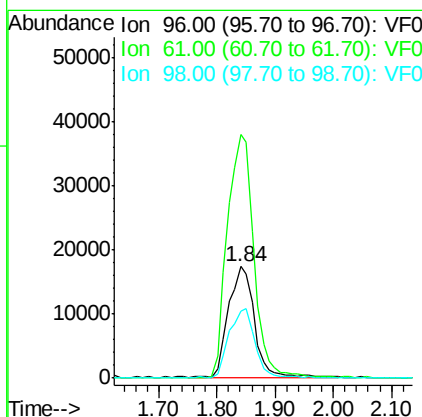
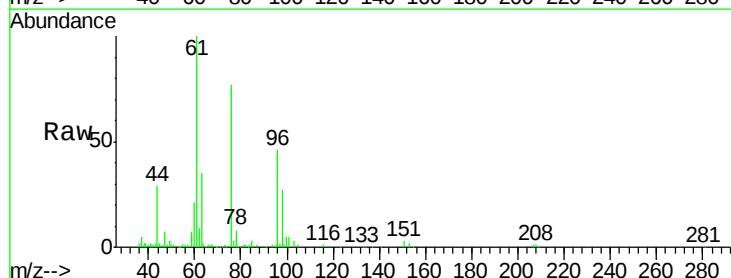
Tgt Ion: 59 Resp: 38172
 Ion Ratio Lower Upper
 59 100
 57 14.5 8.7 13.1#

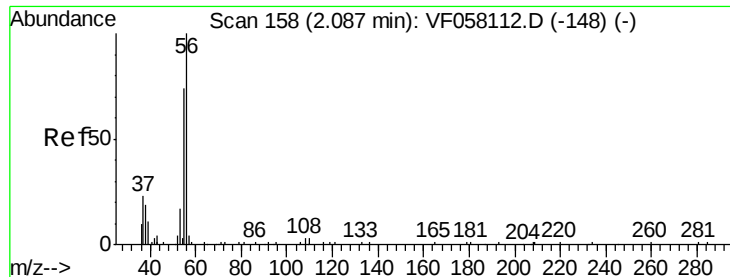


#12

1,1-Dichloroethene
 Concen: 54.336 ug/l
 RT: 1.84 min Scan# 133
 Delta R.T. -0.01 min
 Lab File: VF059189.D
 Acq: 18 Jun 2018 21:30

Tgt Ion: 96 Resp: 55100
 Ion Ratio Lower Upper
 96 100
 61 218.5 203.0 304.4
 98 60.0 52.7 79.1





#13

Acrolein

Concen: 281.496 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

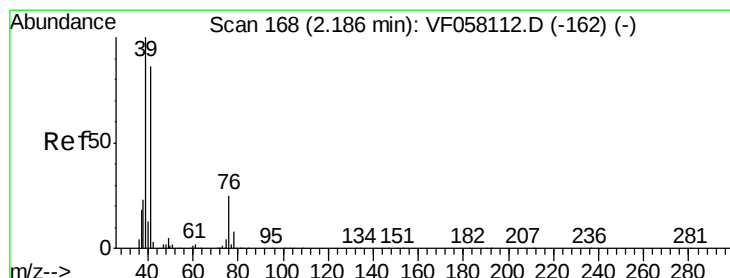
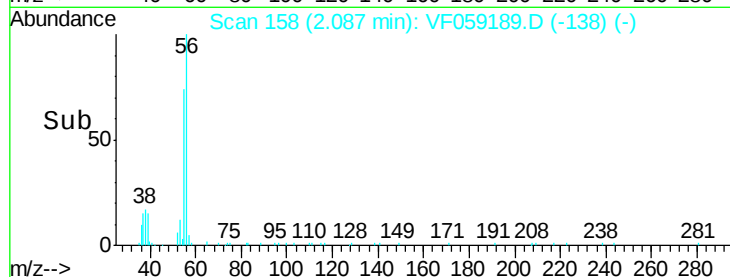
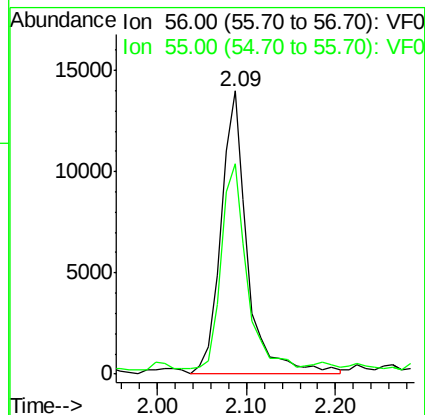
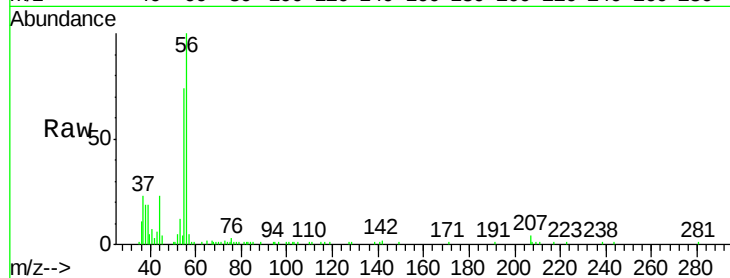
VSTDCCC050EC

Tgt Ion: 56 Resp: 29138

Ion Ratio Lower Upper

56 100

55 74.5 60.0 90.0



#14

Allyl chloride

Concen: 54.958 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

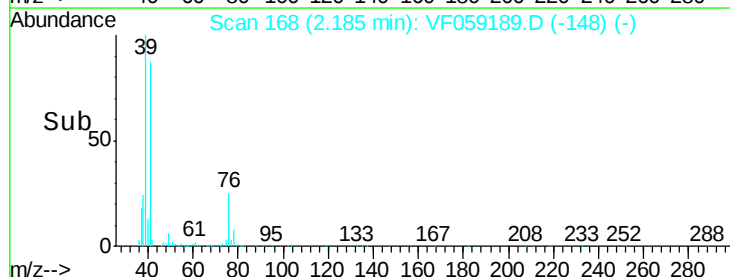
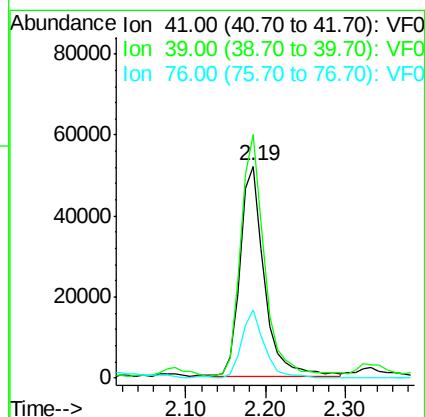
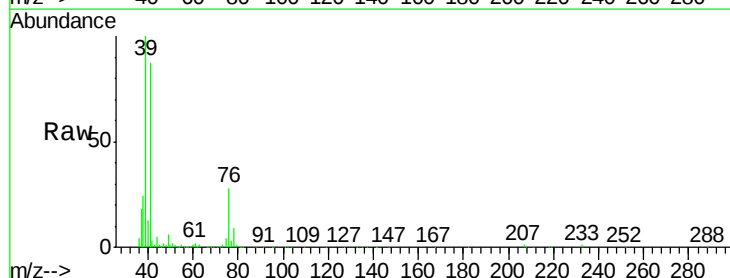
Tgt Ion: 41 Resp: 109383

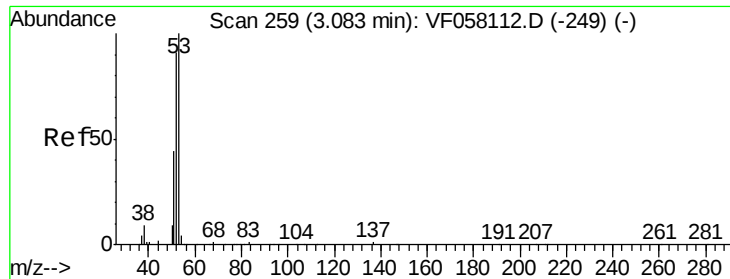
Ion Ratio Lower Upper

41 100

39 115.1 93.5 140.3

76 32.5 23.9 35.9





#15

Acrylonitrile

Concen: 322.465 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

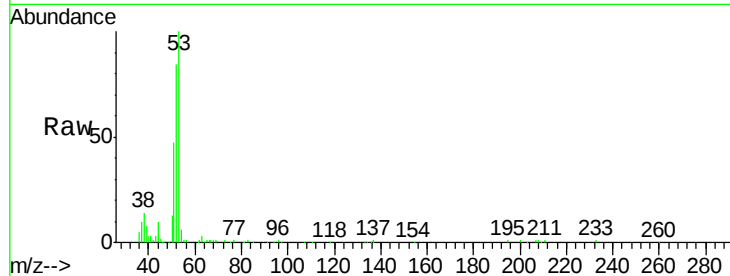
Tgt Ion: 53 Resp: 76591

Ion Ratio Lower Upper

53 100

52 84.5 73.2 109.8

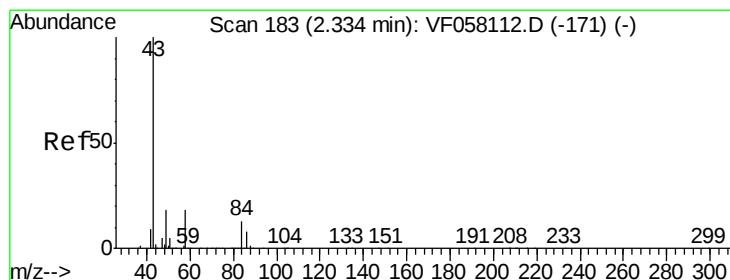
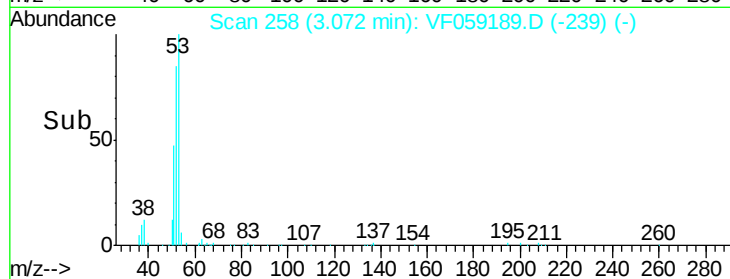
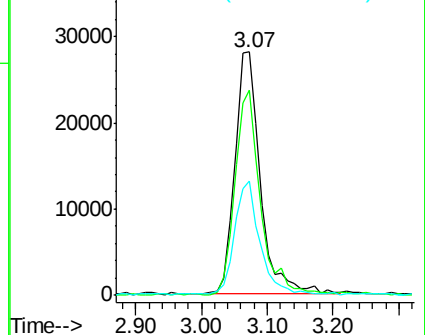
51 46.9 35.6 53.4



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 317.564 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF059189.D

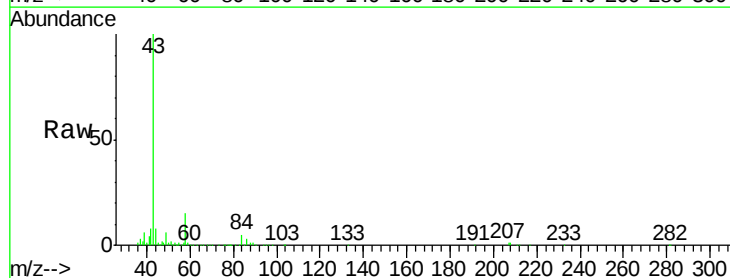
Acq: 18 Jun 2018 21:30

Tgt Ion: 43 Resp: 141519

Ion Ratio Lower Upper

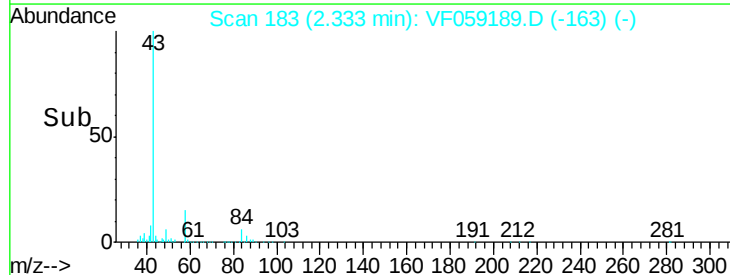
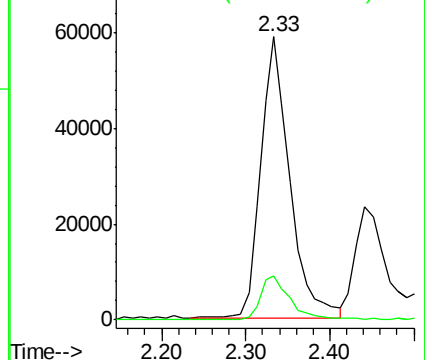
43 100

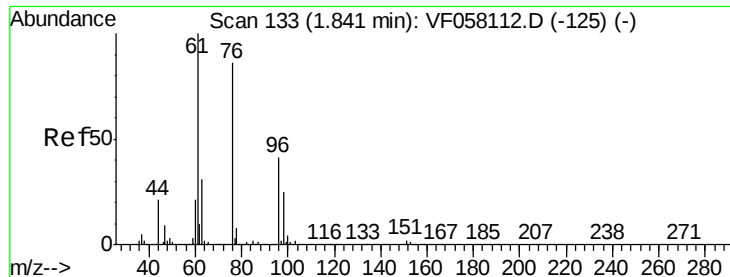
58 15.5 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 50.139 ug/l

RT: 1.84 min Scan# 133

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

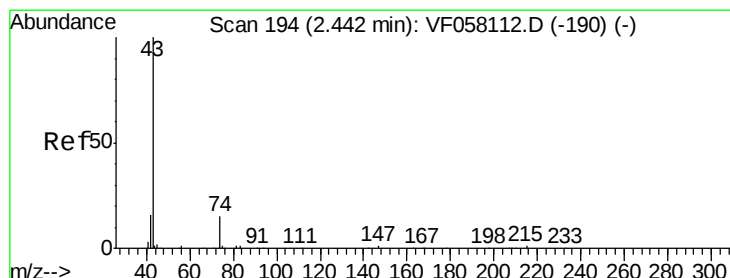
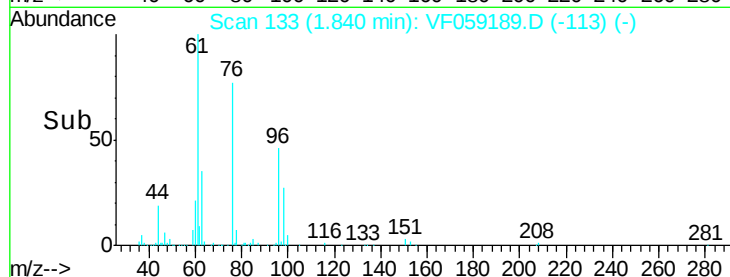
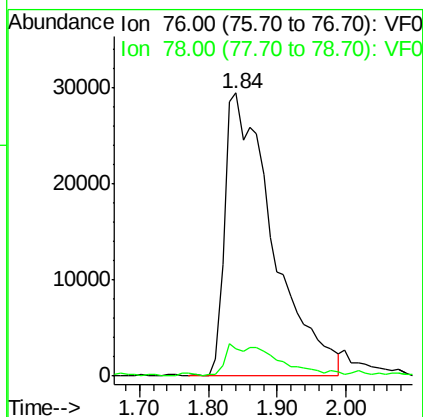
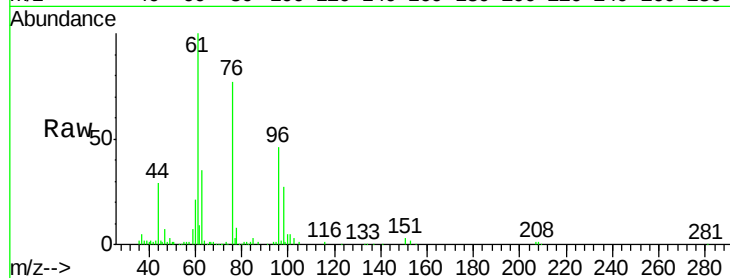
VSTDCCC050EC

Tgt Ion: 76 Resp: 142753

Ion Ratio Lower Upper

76 100

78 9.8 7.8 11.8



#18

Methyl Acetate

Concen: 80.694 ug/l

RT: 2.53 min Scan# 203

Delta R.T. 0.09 min

Lab File: VF059189.D

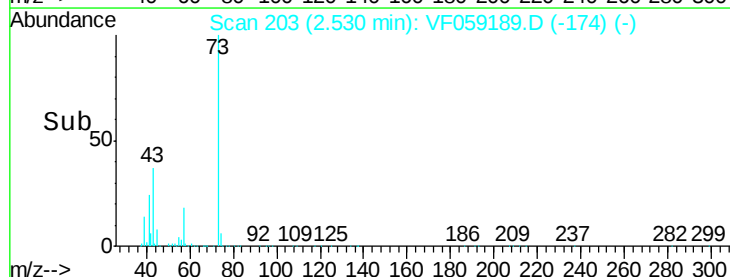
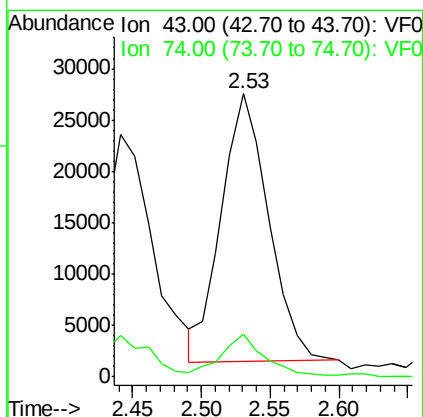
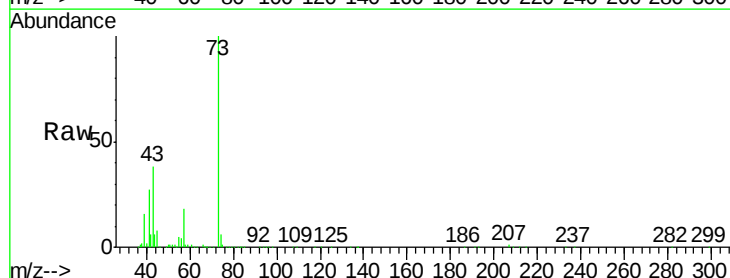
Acq: 18 Jun 2018 21:30

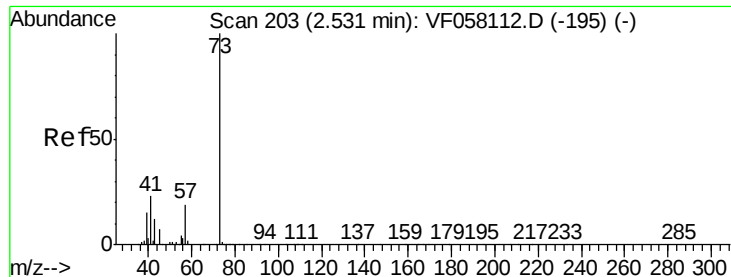
Tgt Ion: 43 Resp: 61819

Ion Ratio Lower Upper

43 100

74 15.1 10.9 16.3

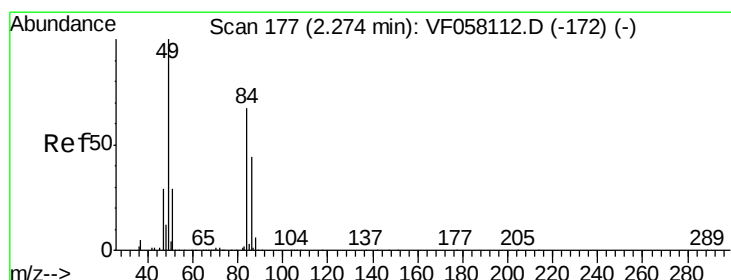
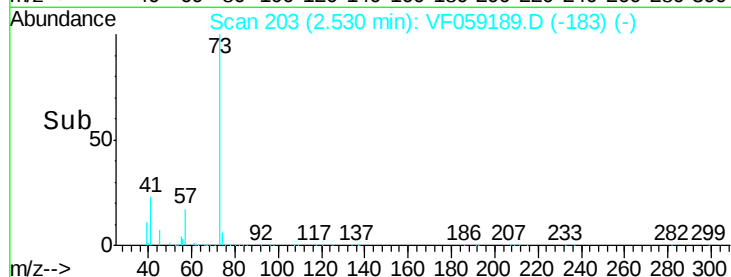
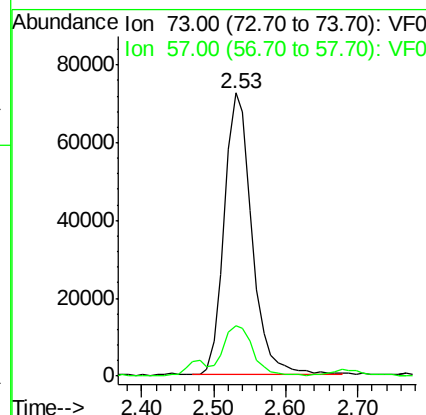
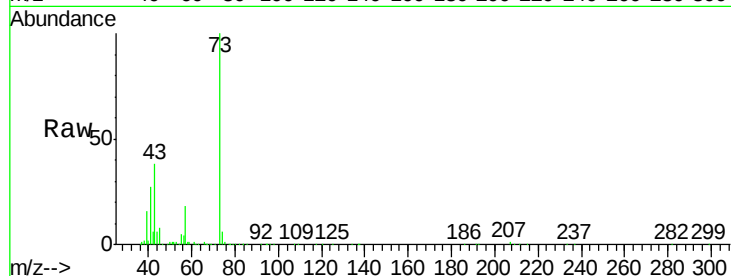




#19
Methyl tert-butyl Ether
Concen: 60.997 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.00 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

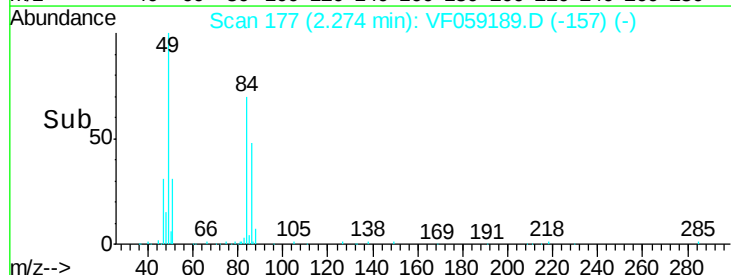
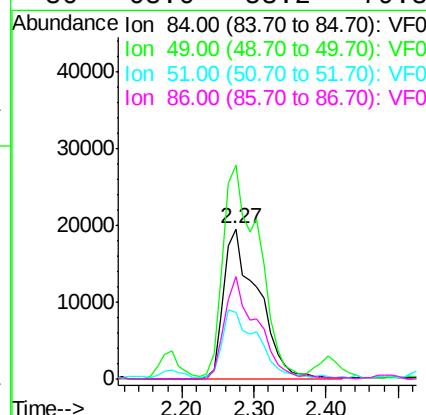
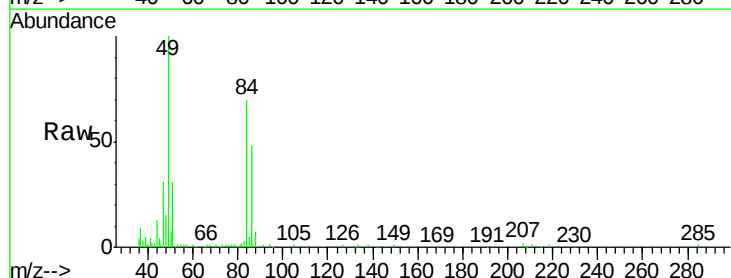
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

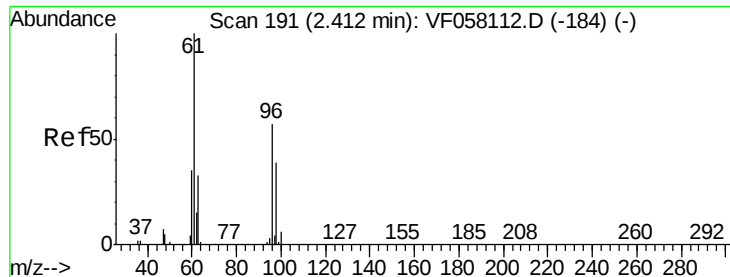
Tgt Ion: 73 Resp: 192019
Ion Ratio Lower Upper
73 100
57 17.6 15.0 22.4



#20
Methylene Chloride
Concen: 60.645 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Tgt Ion: 84 Resp: 64711
Ion Ratio Lower Upper
84 100
49 142.6 121.0 181.4
51 44.7 35.8 53.6
86 68.6 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 52.472 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

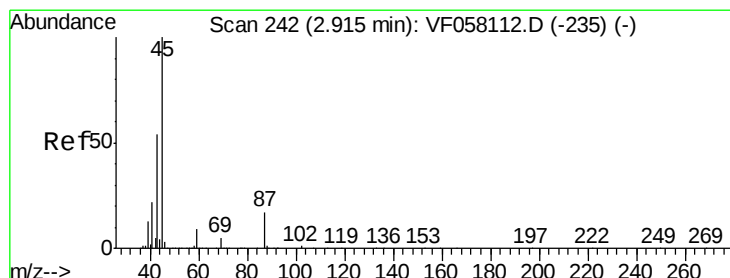
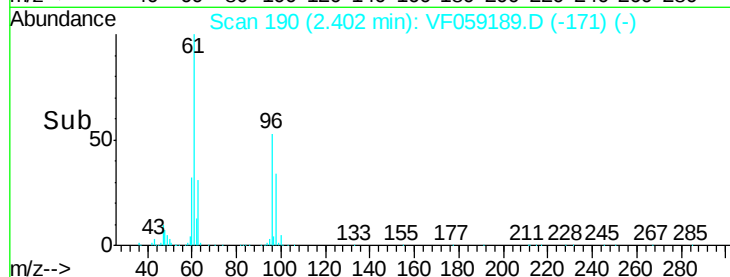
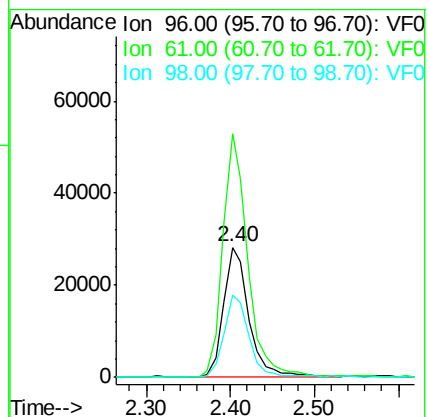
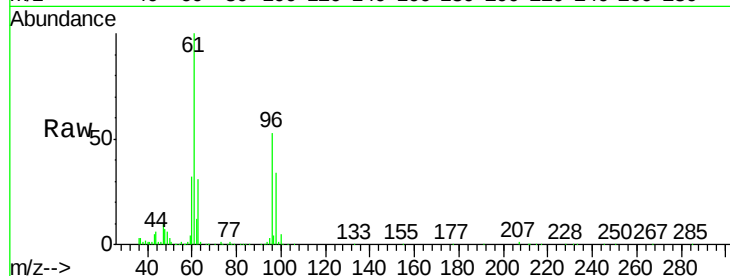
Tgt Ion: 96 Resp: 58355

Ion Ratio Lower Upper

96 100

61 187.5 139.4 209.2

98 63.7 54.0 81.0



#22

Diisopropyl ether

Concen: 59.088 ug/l

RT: 2.91 min Scan# 242

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Tgt Ion: 45 Resp: 231183

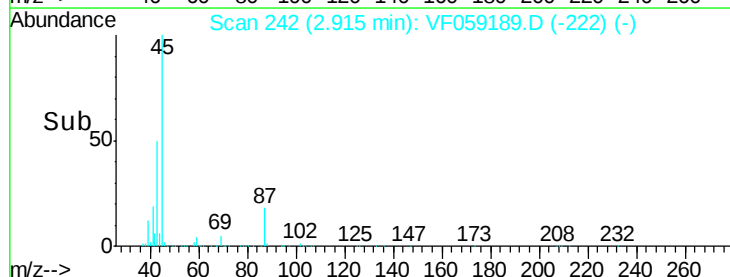
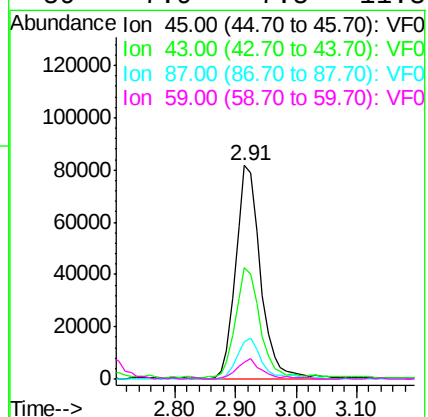
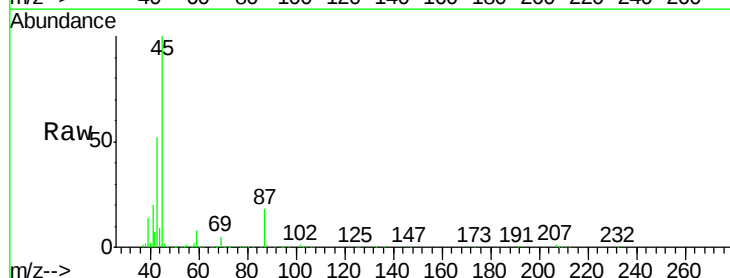
Ion Ratio Lower Upper

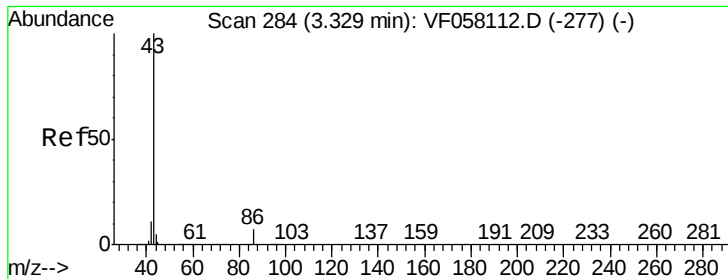
45 100

43 52.0 43.2 64.8

87 17.7 13.8 20.6

59 7.9 7.5 11.3





#23

Vinyl Acetate

Concen: 297.780 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

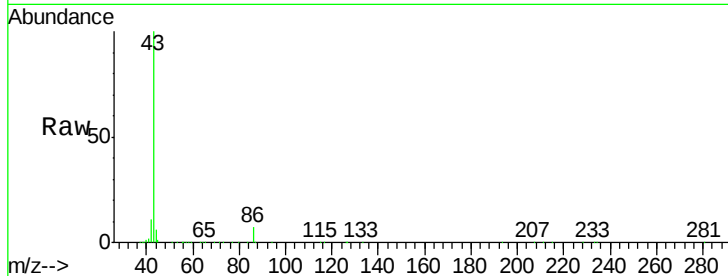
VSTDCCC050EC

Tgt Ion: 43 Resp: 768173

Ion Ratio Lower Upper

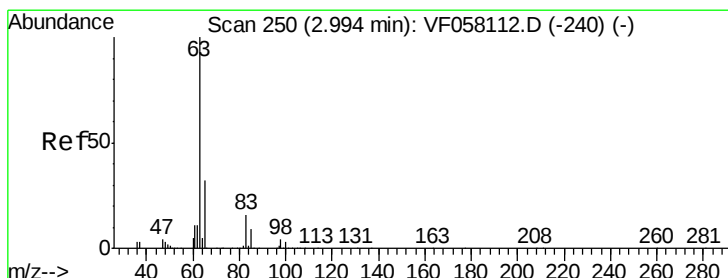
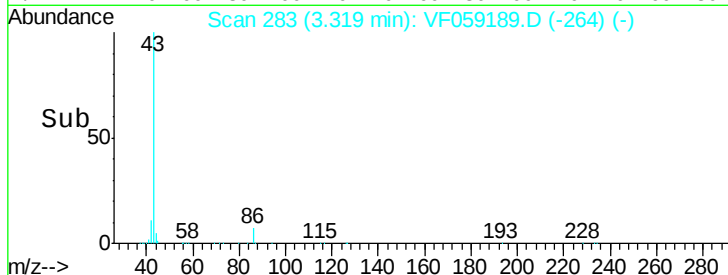
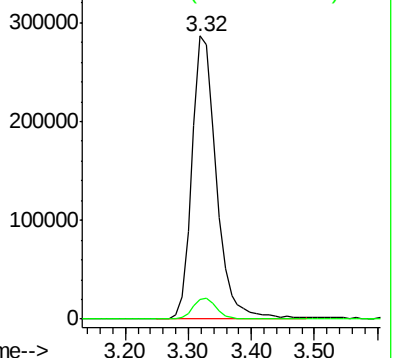
43 100

86 7.1 6.0 9.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 56.780 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

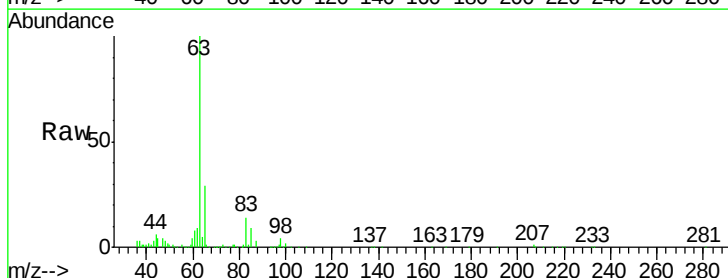
Tgt Ion: 63 Resp: 134680

Ion Ratio Lower Upper

63 100

98 4.2 2.0 6.0

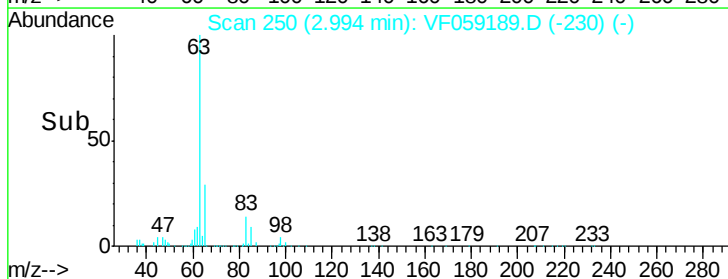
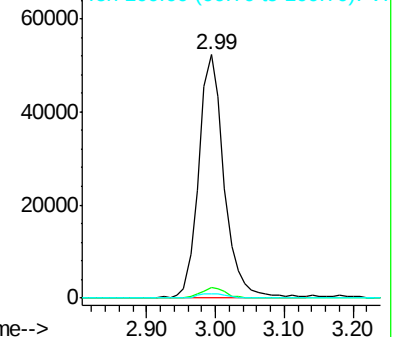
100 1.6 1.4 4.0

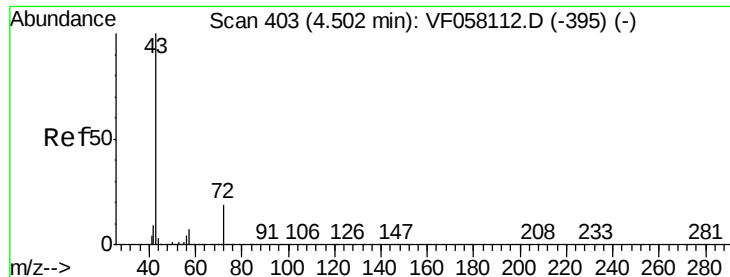


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 278.241 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

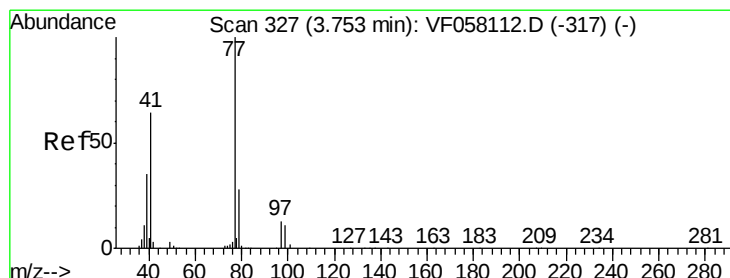
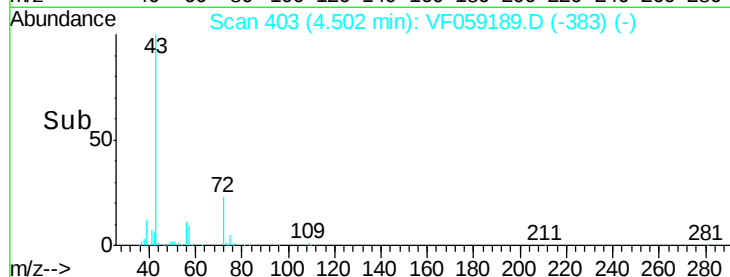
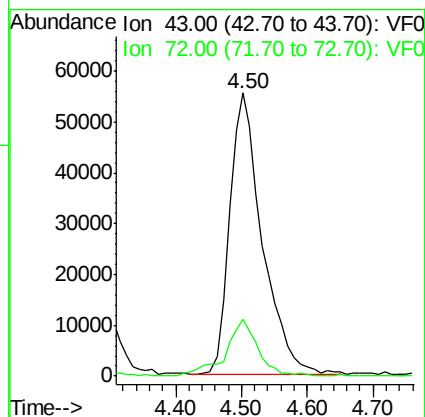
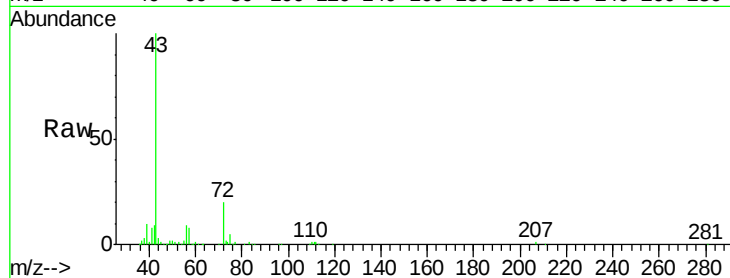
VSTDCCC050EC

Tgt Ion: 43 Resp: 192235

Ion Ratio Lower Upper

43 100

72 19.9 16.1 24.1



#26

2,2-Dichloropropane

Concen: 60.984 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.00 min

Lab File: VF059189.D

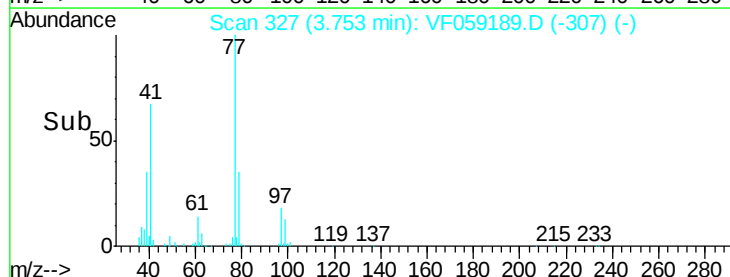
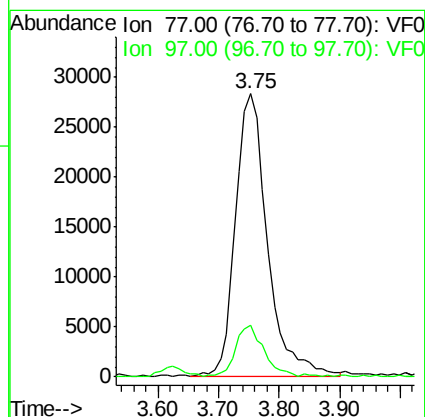
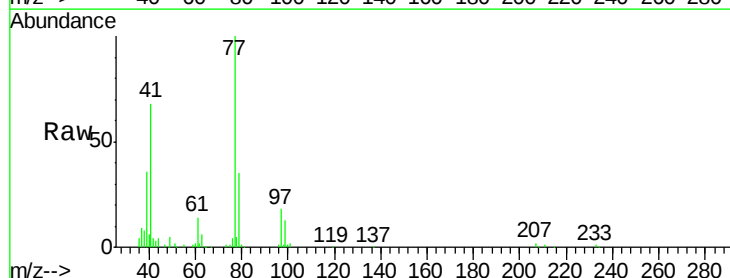
Acq: 18 Jun 2018 21:30

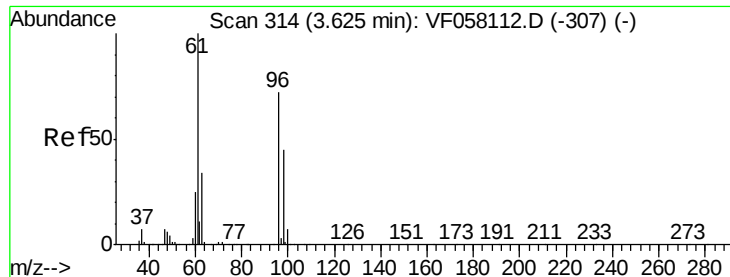
Tgt Ion: 77 Resp: 104942

Ion Ratio Lower Upper

77 100

97 18.1 7.2 21.6



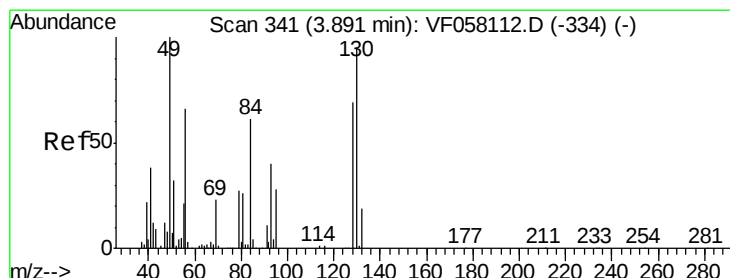
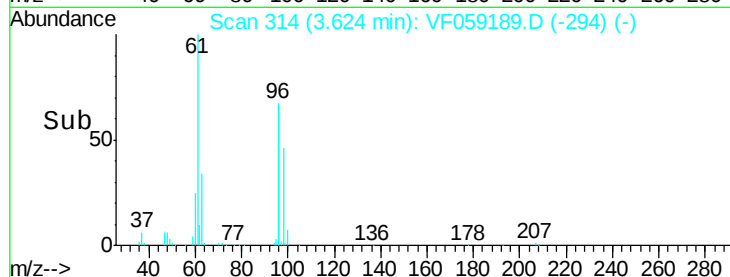
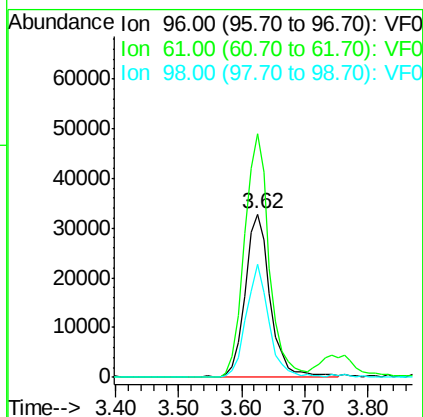
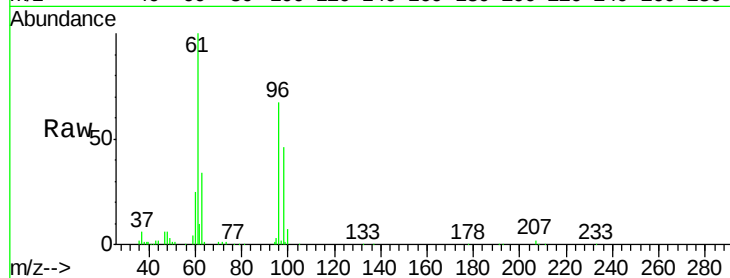


#27

cis-1,2-Dichloroethene
Concen: 53.035 ug/l
RT: 3.62 min Scan# 314
Delta R.T. -0.00 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

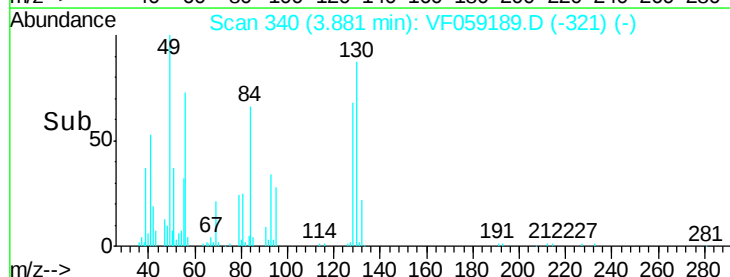
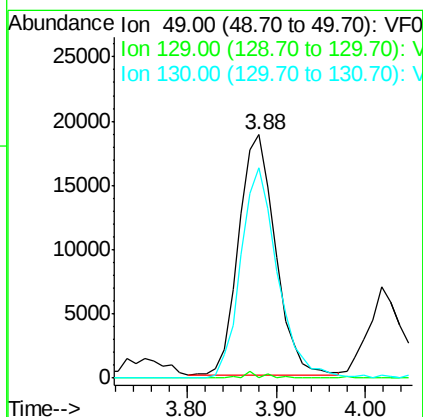
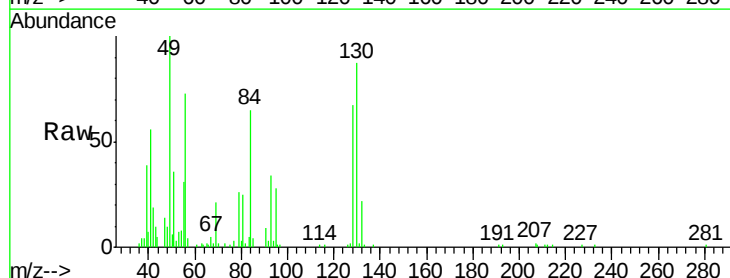
Tgt Ion: 96 Resp: 90776
Ion Ratio Lower Upper
96 100
61 148.9 0.0 278.6
98 68.8 0.0 125.2

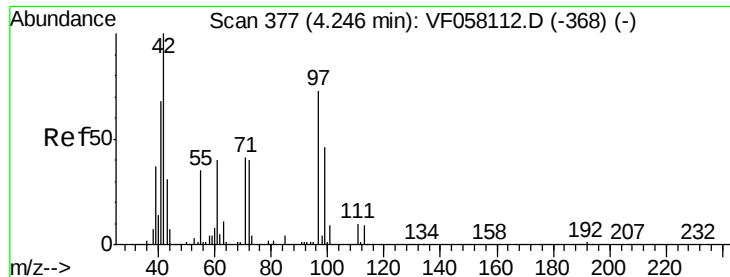


#28

Bromochloromethane
Concen: 50.084 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Tgt Ion: 49 Resp: 53471
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 86.5 75.8 113.8





#29

Tetrahydrofuran

Concen: 286.979 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

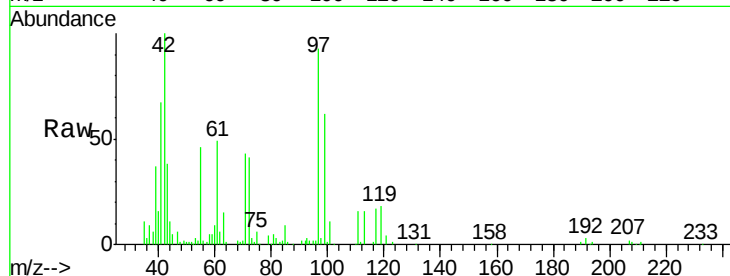
Tgt Ion: 42 Resp: 87364

Ion Ratio Lower Upper

42 100

72 39.6 30.5 45.7

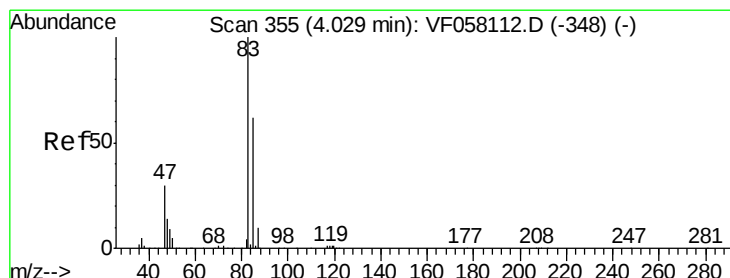
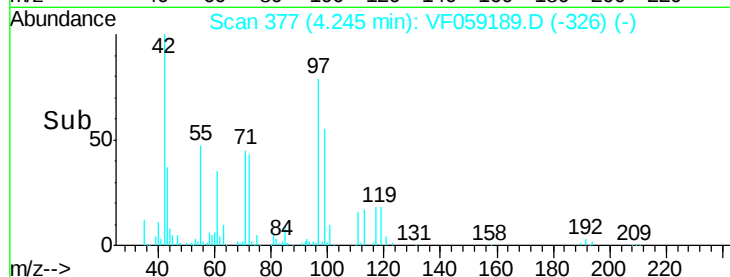
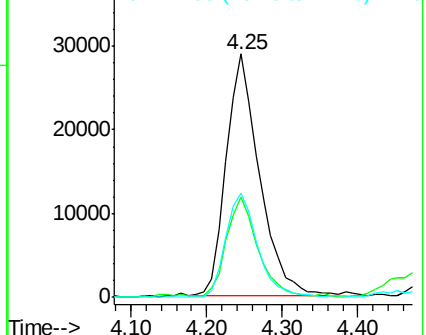
71 41.5 31.5 47.3



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 55.401 ug/l

RT: 4.03 min Scan# 355

Delta R.T. -0.00 min

Lab File: VF059189.D

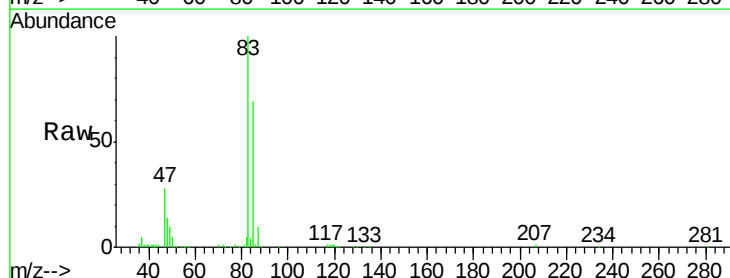
Acq: 18 Jun 2018 21:30

Tgt Ion: 83 Resp: 187986

Ion Ratio Lower Upper

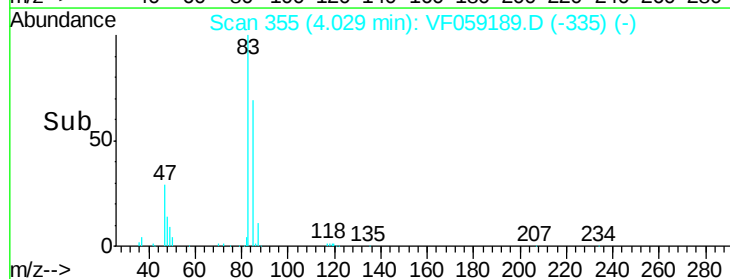
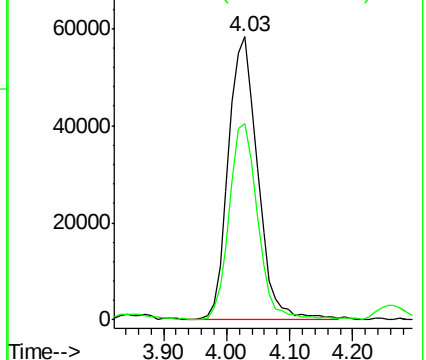
83 100

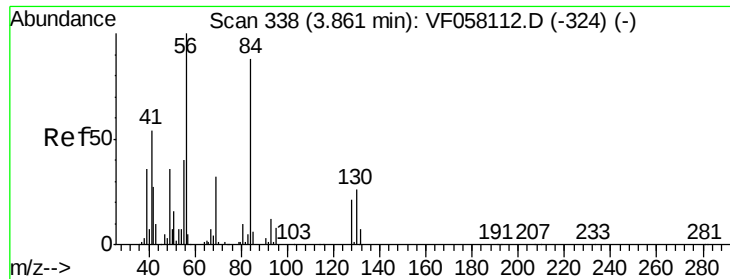
85 69.4 49.5 74.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

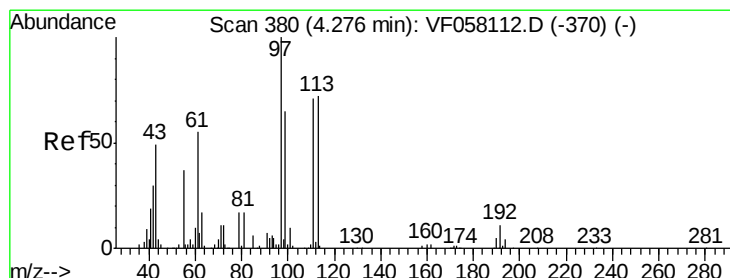
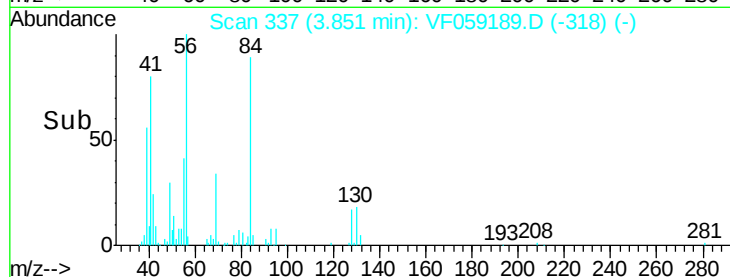
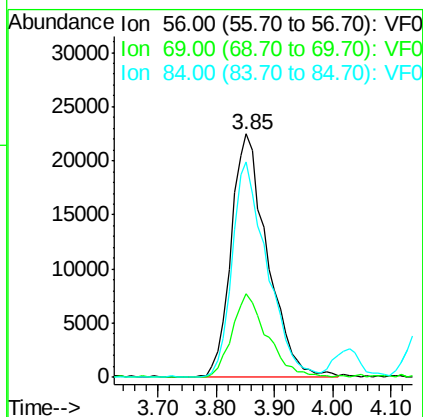
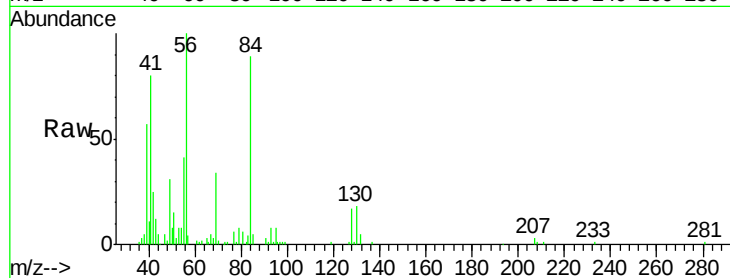




#31
Cyclohexane
Concen: 46.962 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

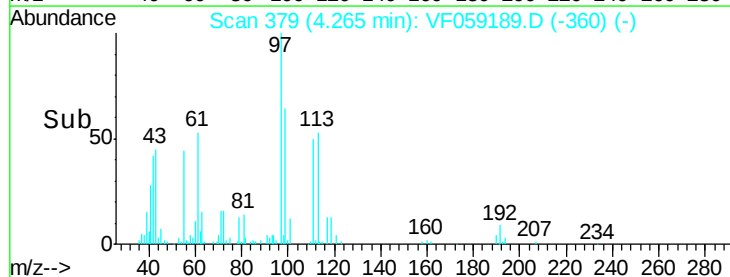
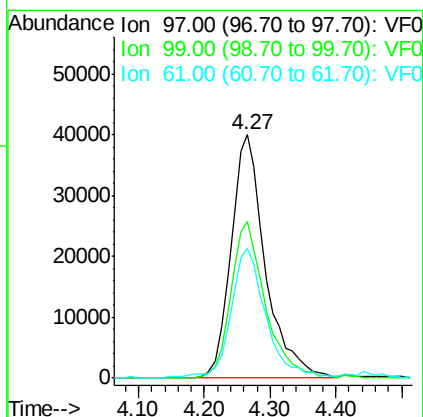
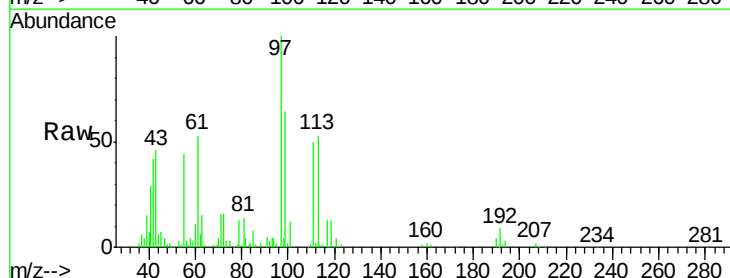
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

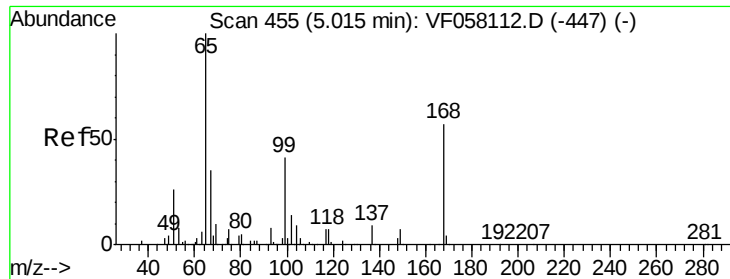
Tgt Ion: 56 Resp: 97309
Ion Ratio Lower Upper
56 100
69 34.2 25.9 38.9
84 88.6 70.3 105.5



#32
1,1,1-Trichloroethane
Concen: 57.603 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Tgt Ion: 97 Resp: 145921
Ion Ratio Lower Upper
97 100
99 64.4 52.0 78.0
61 53.4 44.3 66.5





#33

1,2-Dichloroethane-d4

Concen: 56.526 ug/l

RT: 5.00 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

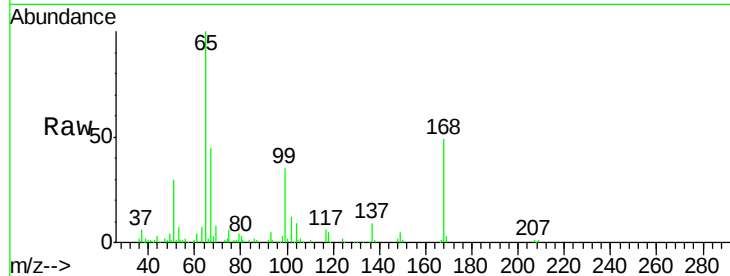
VSTDCCC050EC

Tgt Ion: 65 Resp: 105504

Ion Ratio Lower Upper

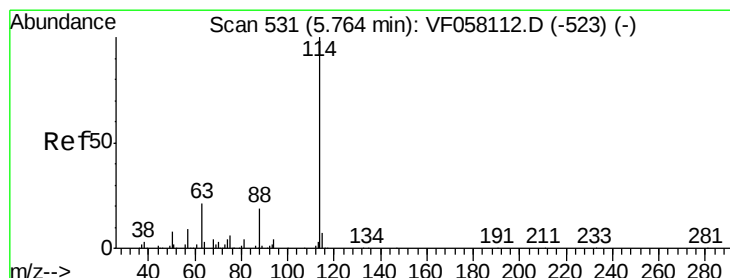
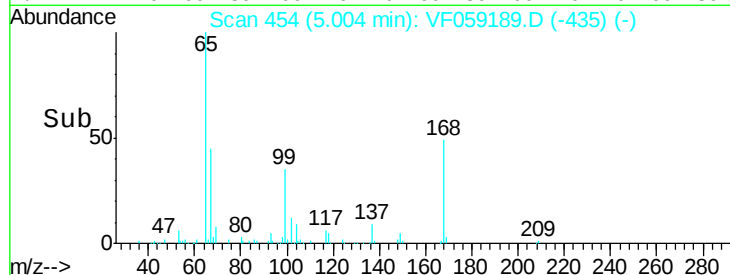
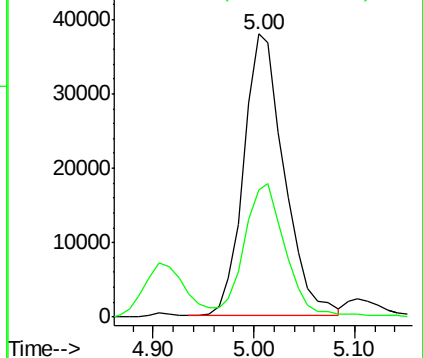
65 100

67 44.8 0.0 97.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

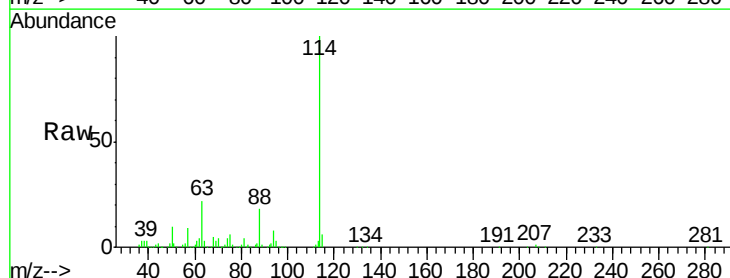
Tgt Ion: 114 Resp: 244561

Ion Ratio Lower Upper

114 100

63 22.2 0.0 41.6

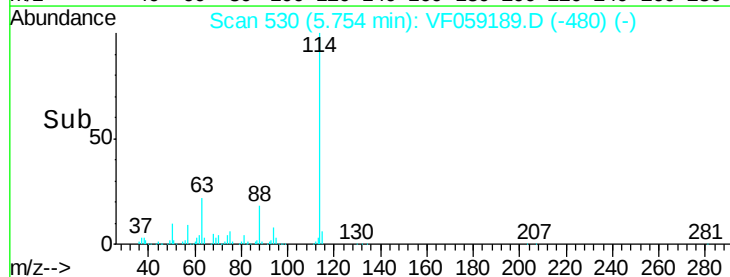
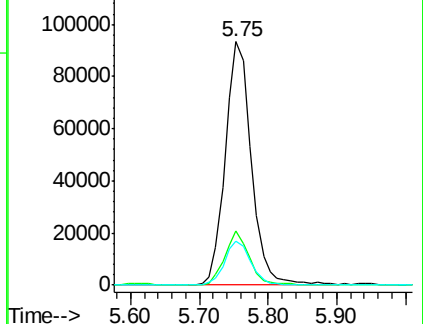
88 18.2 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 56.346 ug/l

RT: 4.28 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

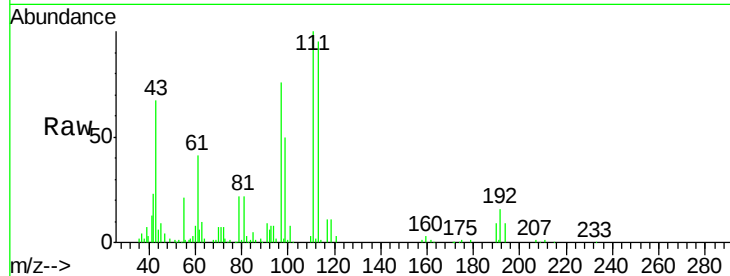
Tgt Ion:113 Resp: 96690

Ion Ratio Lower Upper

113 100

111 104.8 81.3 121.9

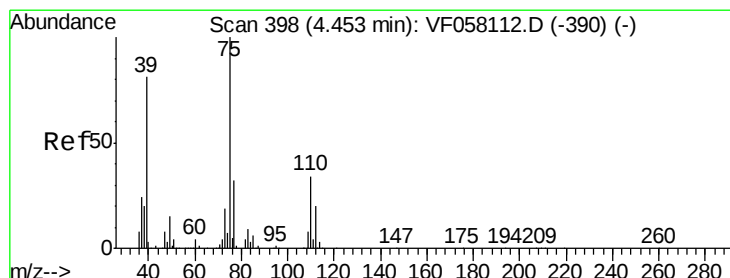
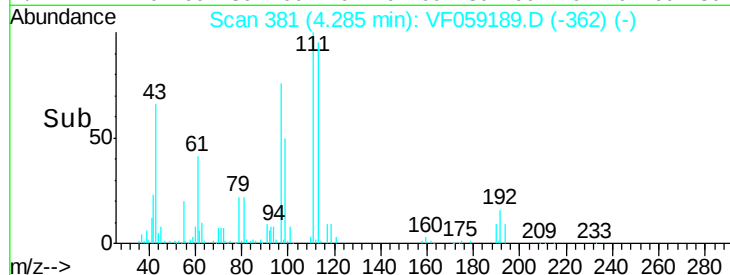
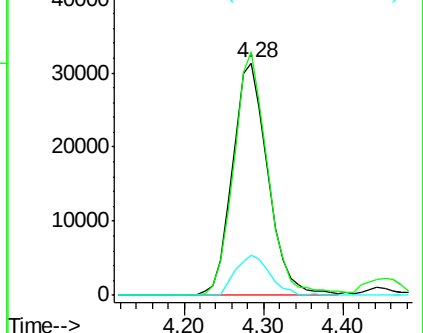
192 17.3 12.7 19.1



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 52.872 ug/l

RT: 4.45 min Scan# 398

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

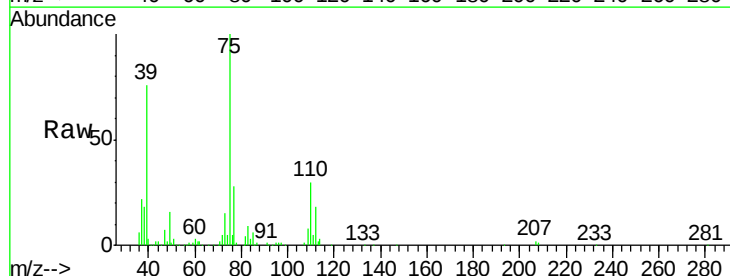
Tgt Ion: 75 Resp: 125333

Ion Ratio Lower Upper

75 100

110 30.0 17.0 50.9

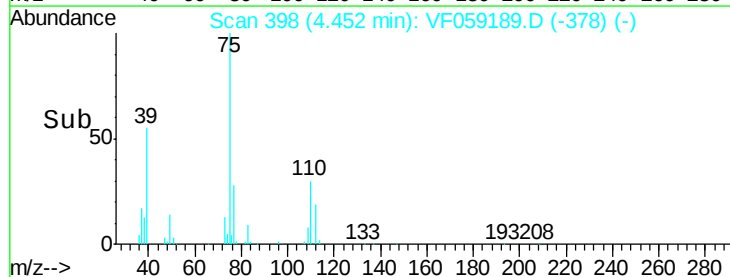
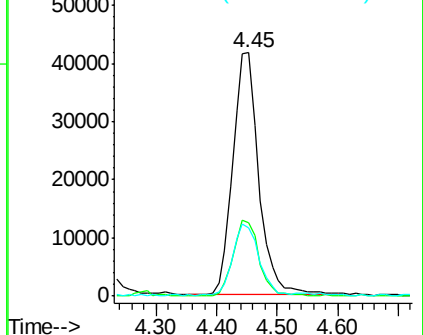
77 28.1 25.3 37.9

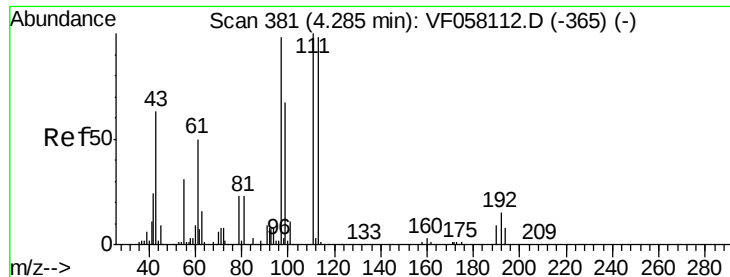


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 63.233 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

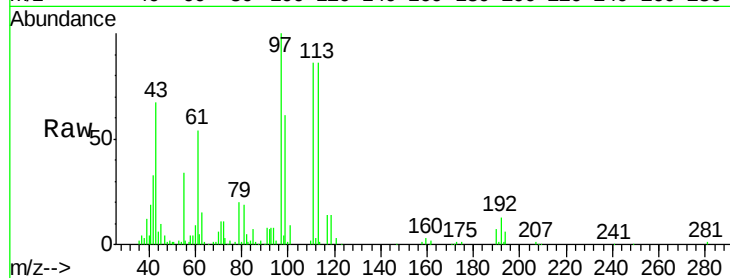
Tgt Ion: 43 Resp: 92617

Ion Ratio Lower Upper

43 100

61 80.8 63.0 94.4

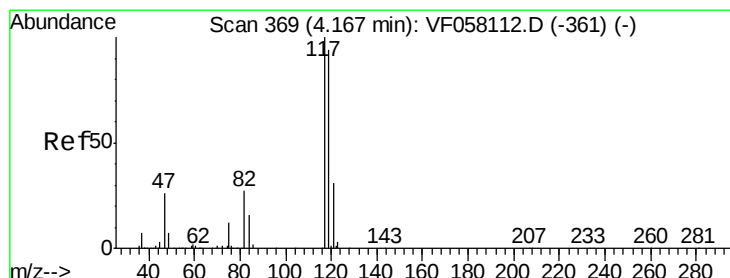
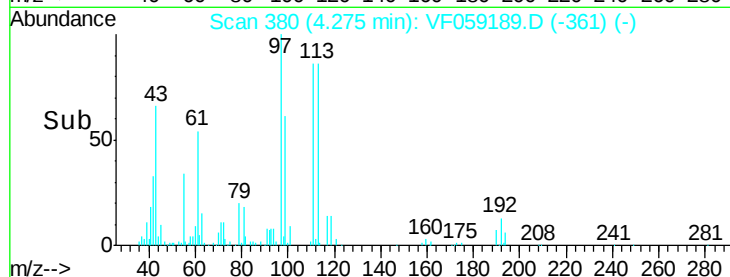
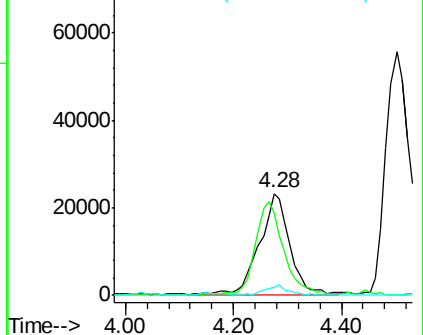
70 8.4 7.5 11.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 56.471 ug/l

RT: 4.16 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

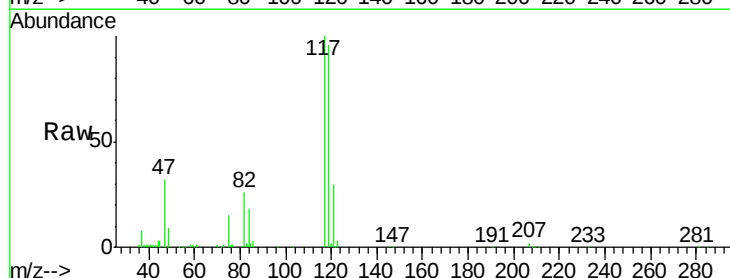
Tgt Ion: 117 Resp: 145080

Ion Ratio Lower Upper

117 100

119 96.0 75.7 113.5

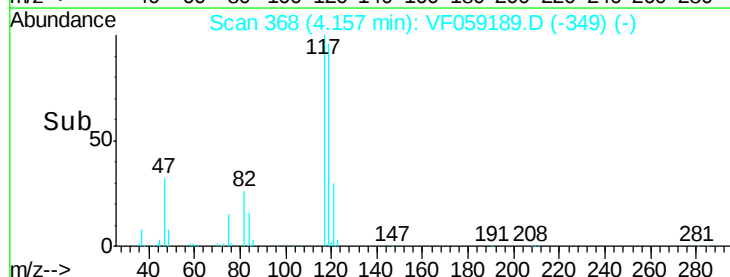
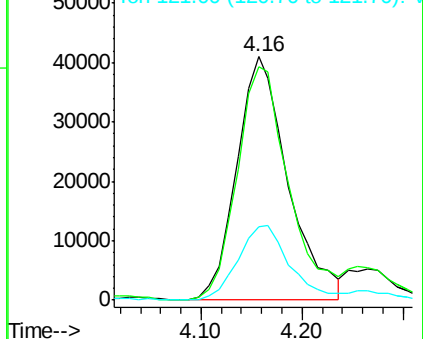
121 29.9 24.8 37.2

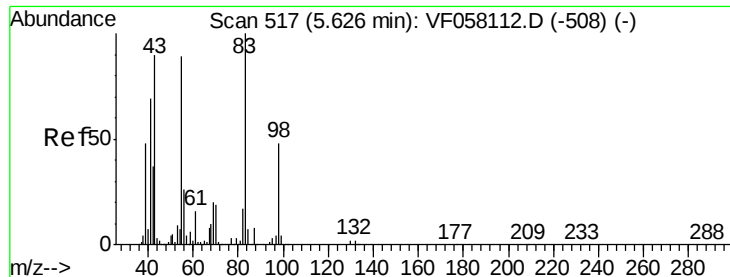


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

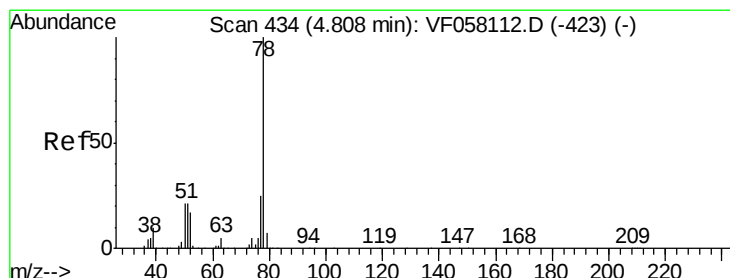
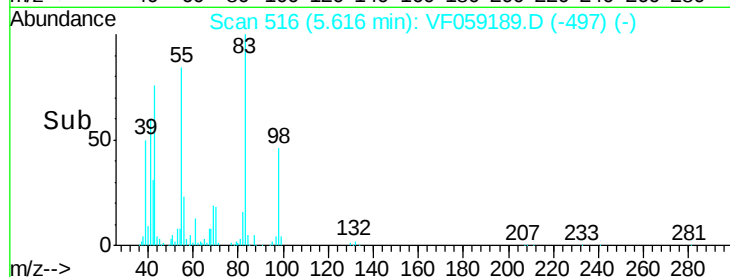
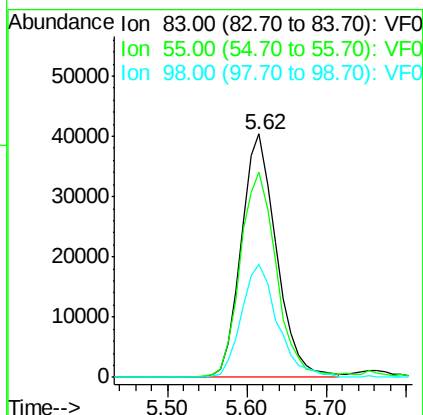
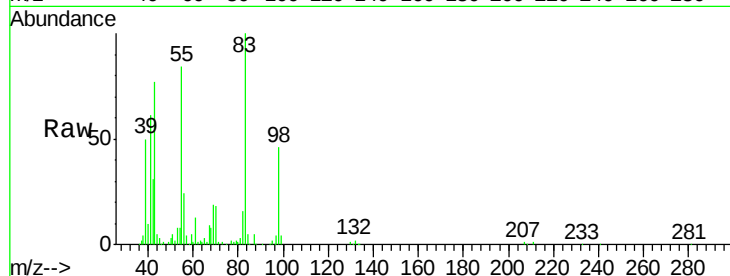




#39
Methylcyclohexane
Concen: 51.127 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

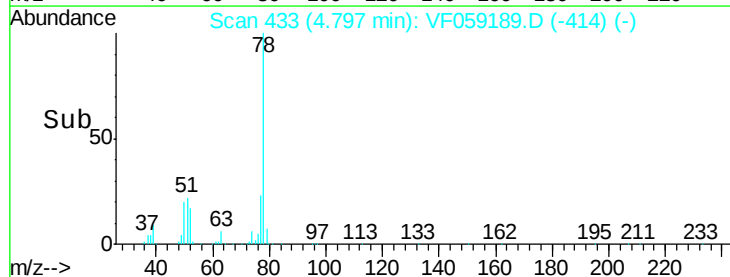
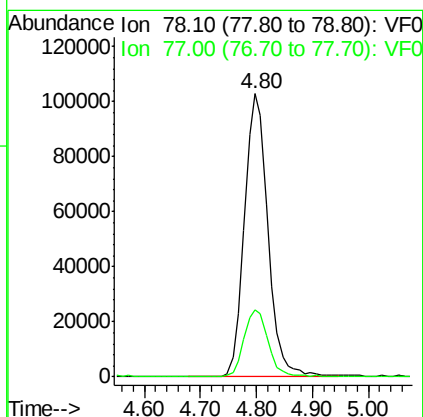
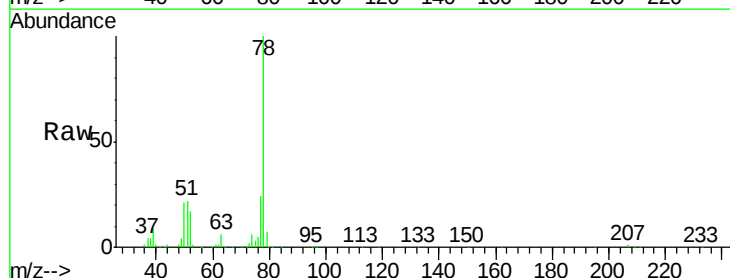
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

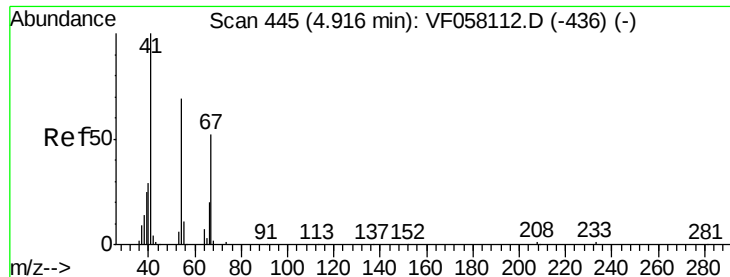
Tgt Ion: 83 Resp: 123540
Ion Ratio Lower Upper
83 100
55 84.3 71.0 106.4
98 46.5 38.1 57.1



#40
Benzene
Concen: 54.379 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Tgt Ion: 78 Resp: 299203
Ion Ratio Lower Upper
78 100
77 23.5 20.2 30.2





#41

Methacrylonitrile

Concen: 54.971 ug/l

RT: 4.92 min Scan# 445

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

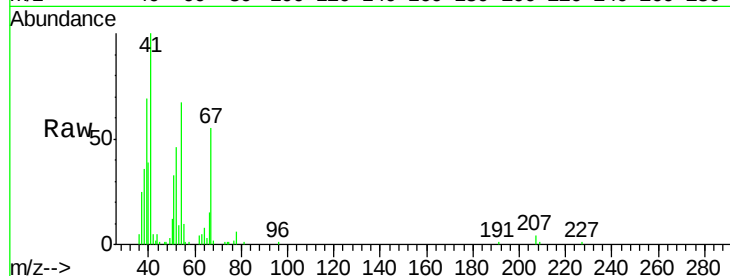
Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tgt Ion:	41	Resp:	39557
Ion	Ratio	Lower	Upper
41	100		
39	69.5	53.0	79.4
67	55.5	41.0	61.6
52	46.4	36.8	55.2

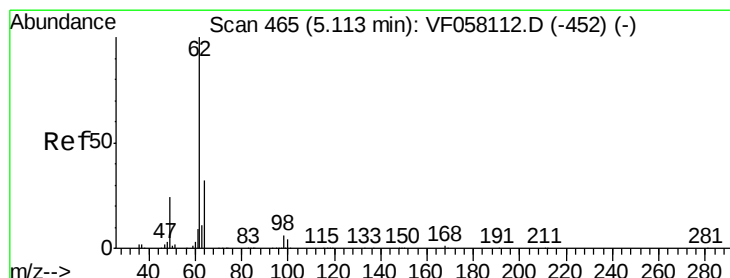
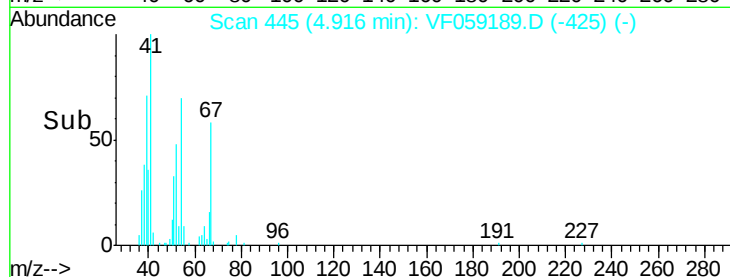
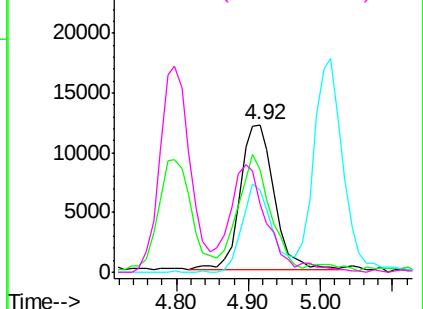


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 59.637 ug/l

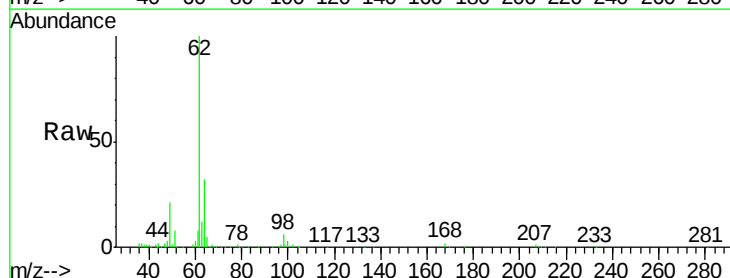
RT: 5.10 min Scan# 464

Delta R.T. -0.01 min

Lab File: VF059189.D

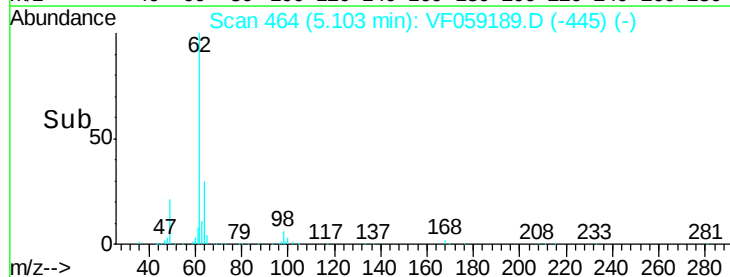
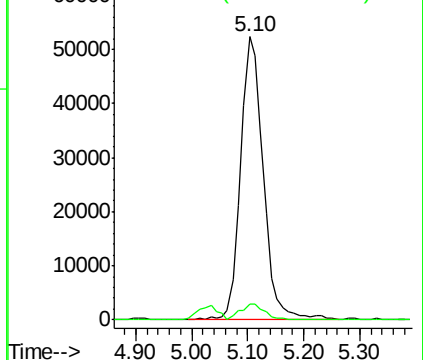
Acq: 18 Jun 2018 21:30

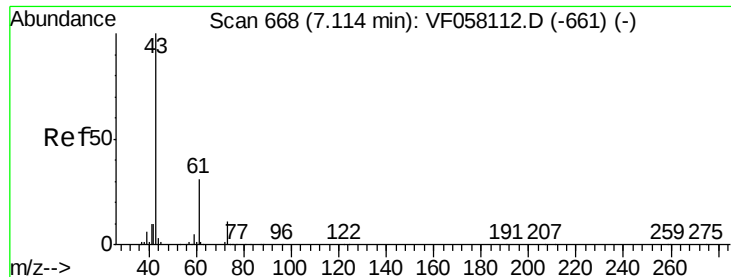
Tgt Ion:	62	Resp:	147168
Ion	Ratio	Lower	Upper
62	100		
98	5.7	0.0	11.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 52.837 ug/l

RT: 7.10 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

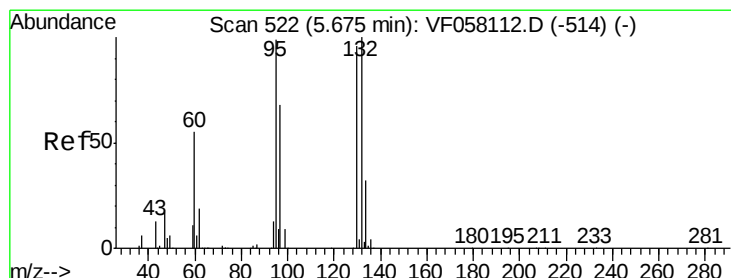
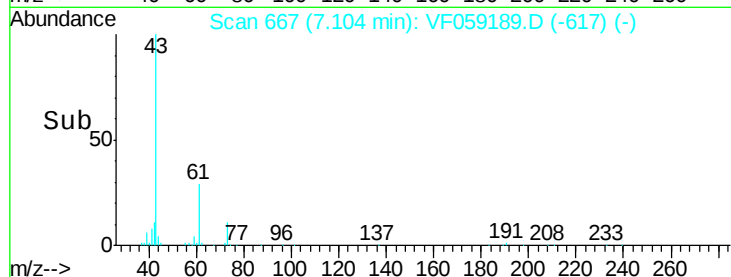
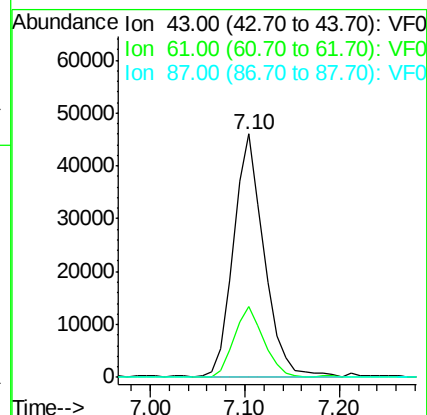
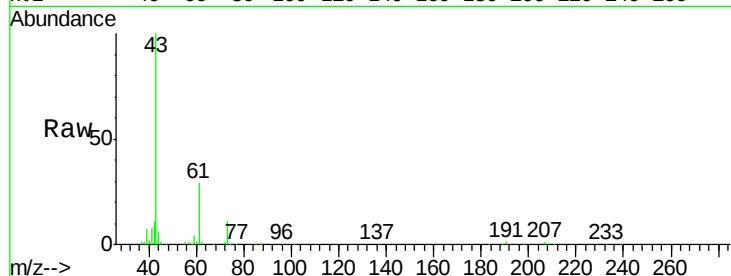
Tgt Ion: 43 Resp: 103647

Ion Ratio Lower Upper

43 100

61 28.9 25.1 37.7

87 0.4 0.2 0.4#



#44

Trichloroethene

Concen: 55.793 ug/l

RT: 5.66 min Scan# 521

Delta R.T. -0.01 min

Lab File: VF059189.D

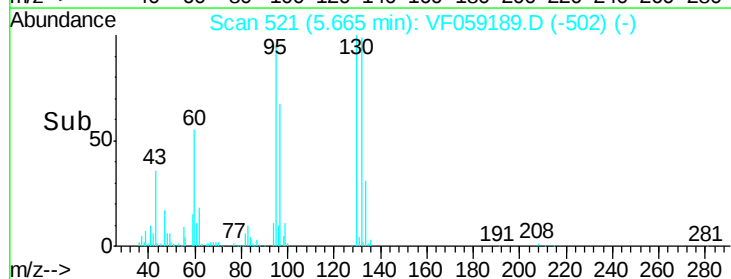
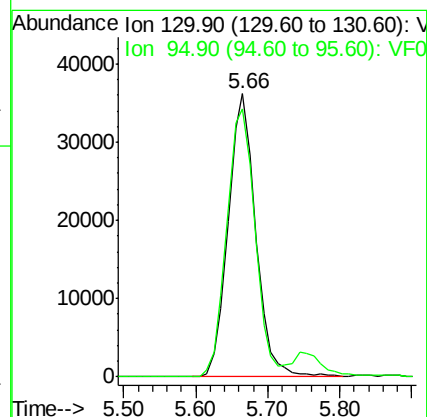
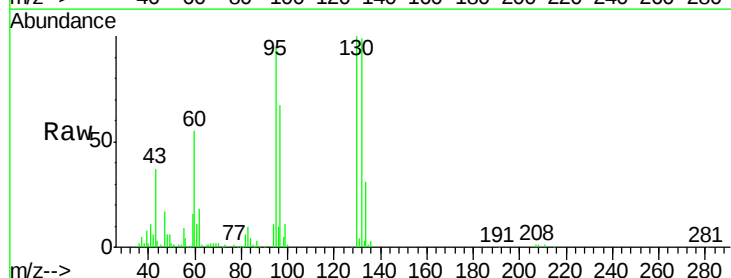
Acq: 18 Jun 2018 21:30

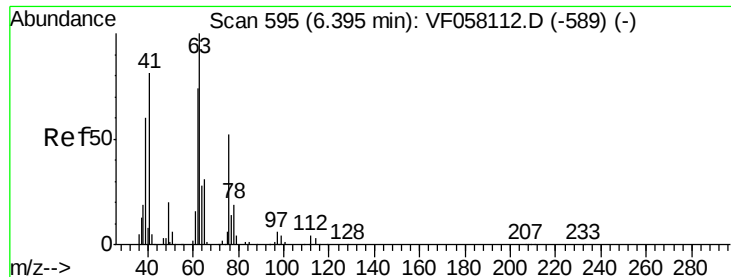
Tgt Ion: 130 Resp: 95920

Ion Ratio Lower Upper

130 100

95 94.7 0.0 206.8

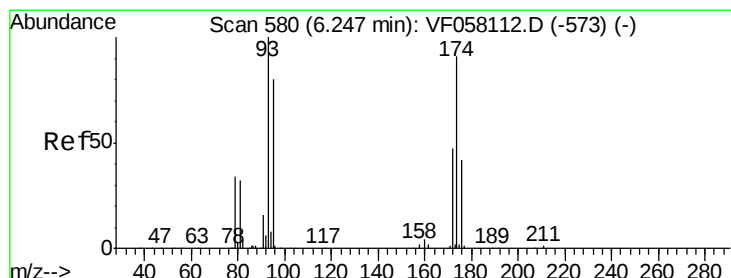
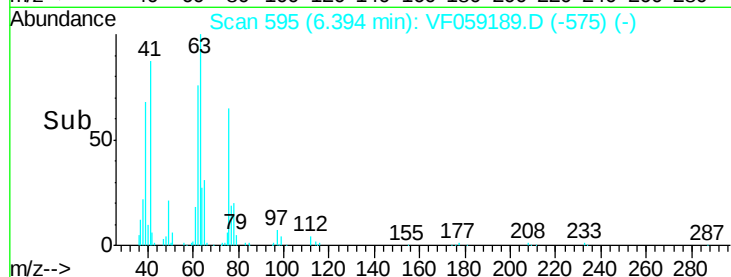
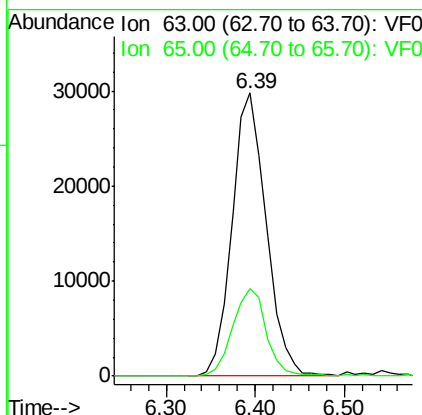
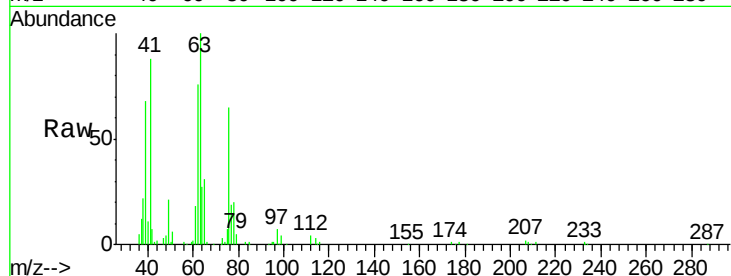




#45
 1,2-Dichloropropane
 Concen: 50.093 ug/l
 RT: 6.39 min Scan# 595
 Delta R.T. -0.00 min
 Lab File: VF059189.D
 Acq: 18 Jun 2018 21:30

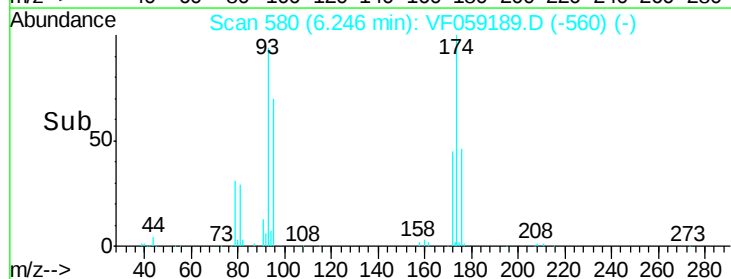
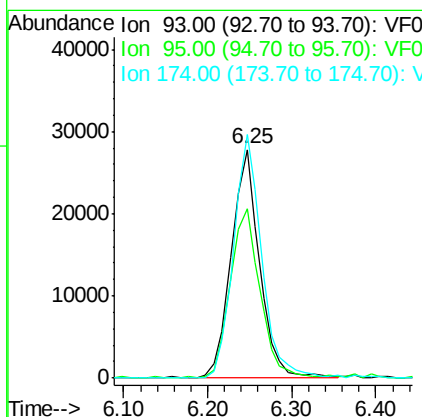
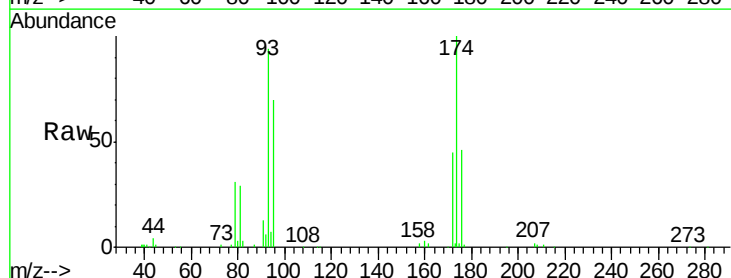
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

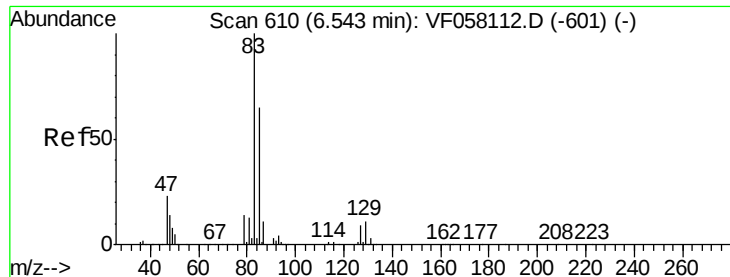
Tgt Ion: 63 Resp: 79471
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.6 37.0



#46
 Dibromomethane
 Concen: 54.465 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. -0.00 min
 Lab File: VF059189.D
 Acq: 18 Jun 2018 21:30

Tgt Ion: 93 Resp: 65013
 Ion Ratio Lower Upper
 93 100
 95 74.0 64.2 96.4
 174 106.4 72.7 109.1





#47

Bromodichloromethane

Concen: 57.458 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

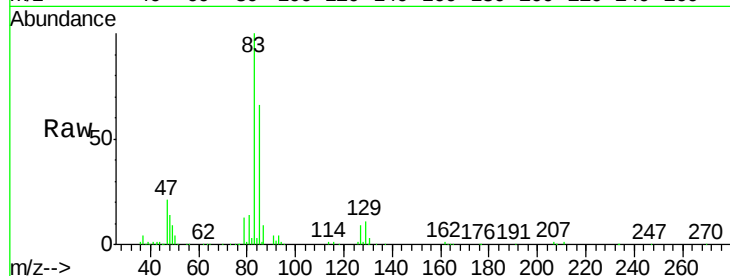
Tgt Ion: 83 Resp: 156028

Ion Ratio Lower Upper

83 100

85 66.2 51.6 77.4

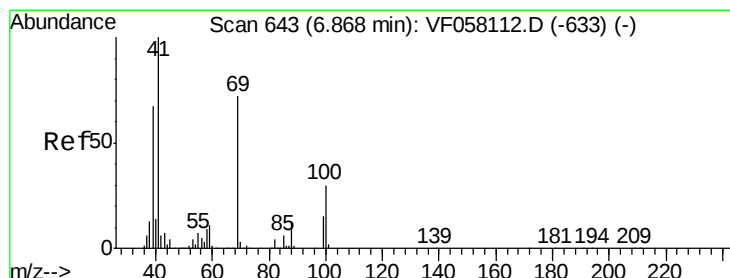
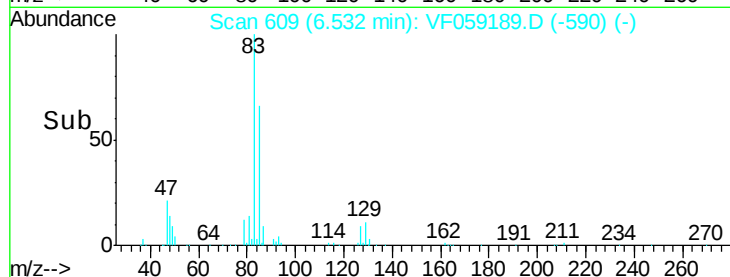
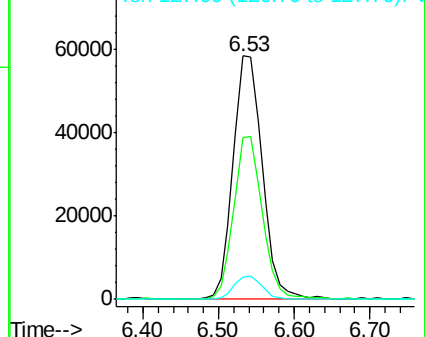
127 9.0 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 55.717 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

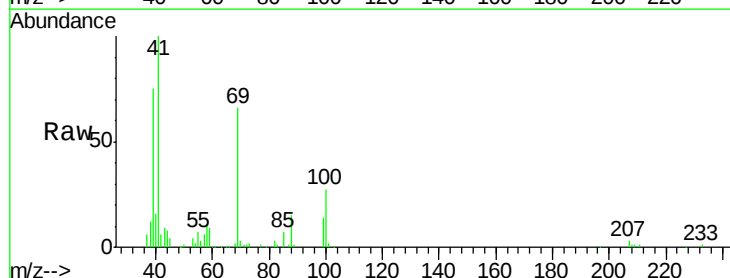
Tgt Ion: 41 Resp: 67376

Ion Ratio Lower Upper

41 100

69 65.9 57.2 85.8

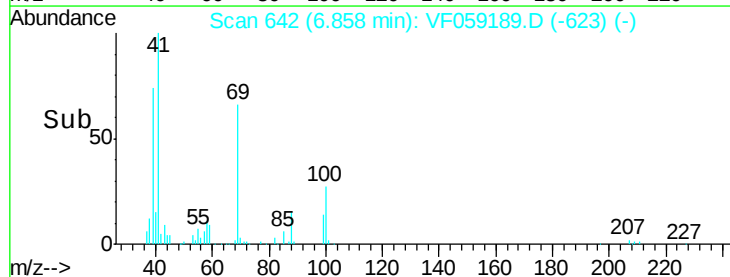
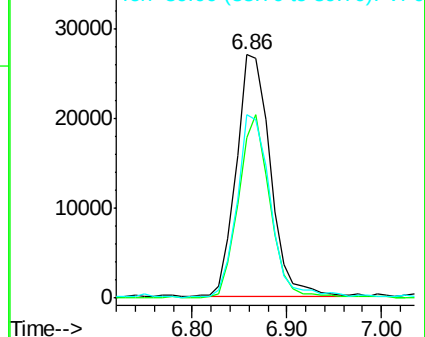
39 75.4 54.3 81.5

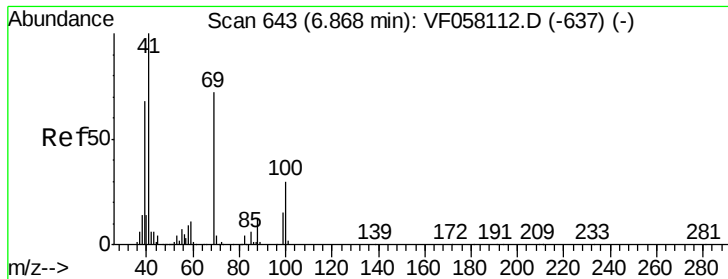


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

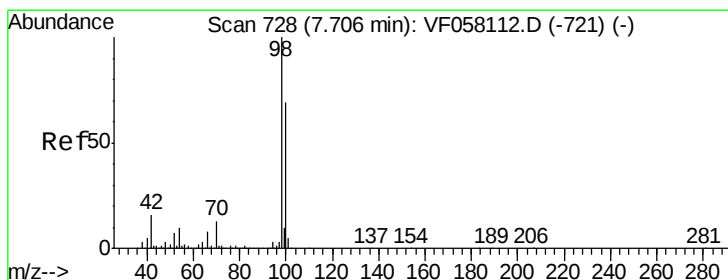
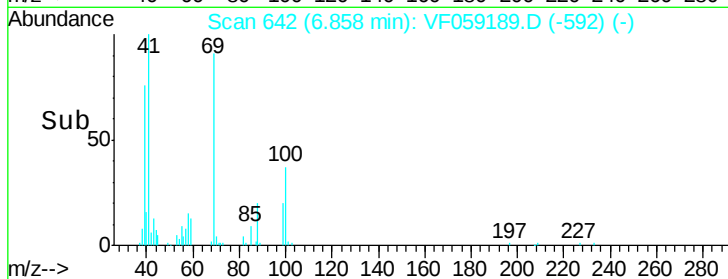
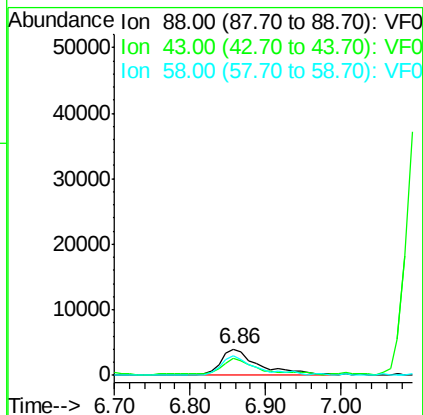
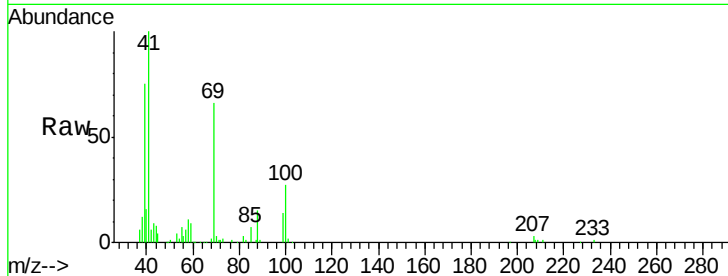




#49
1,4-Dioxane
Concen: 1776.955 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

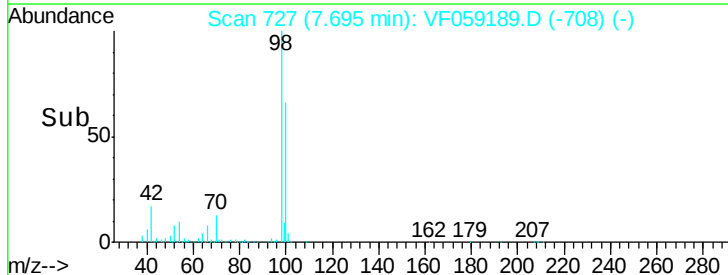
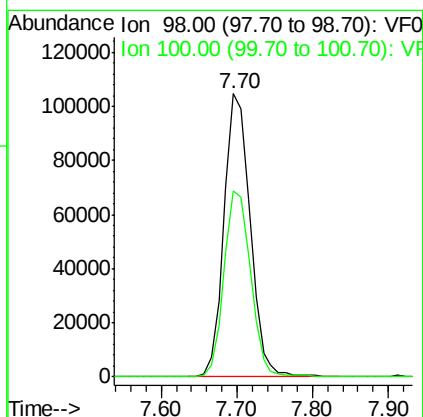
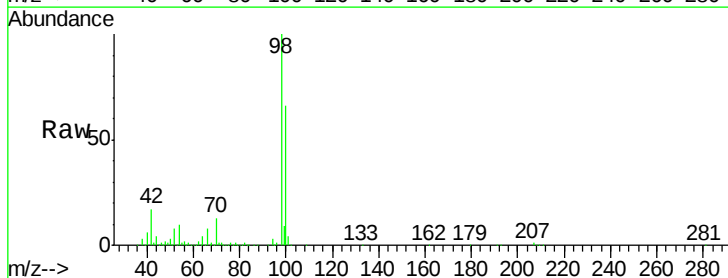
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

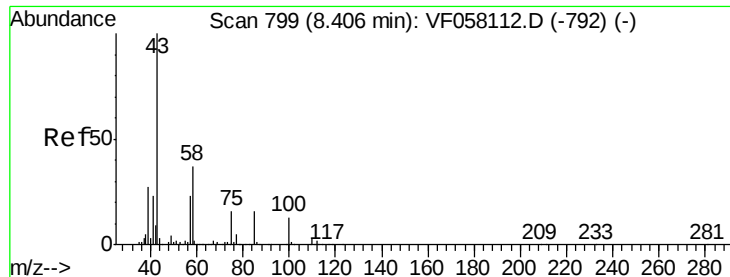
Tgt Ion: 88 Resp: 14086
Ion Ratio Lower Upper
88 100
43 64.2 47.8 71.8
58 74.8 59.4 89.0



#50
Toluene-d8
Concen: 49.980 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Tgt Ion: 98 Resp: 251965
Ion Ratio Lower Upper
98 100
100 65.9 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 283.235 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

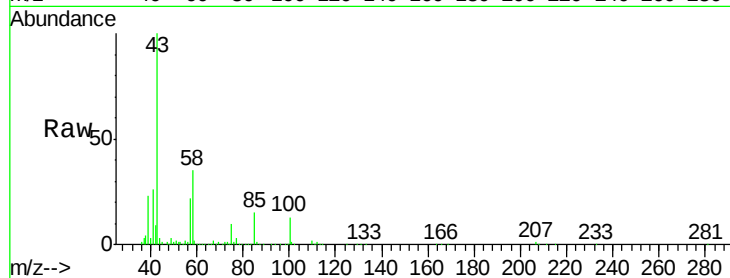
VSTDCCC050EC

Tgt Ion: 43 Resp: 380804

Ion Ratio Lower Upper

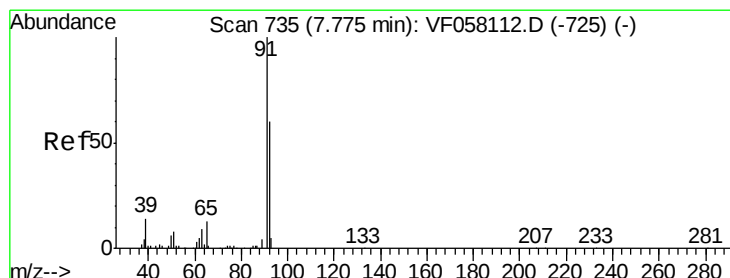
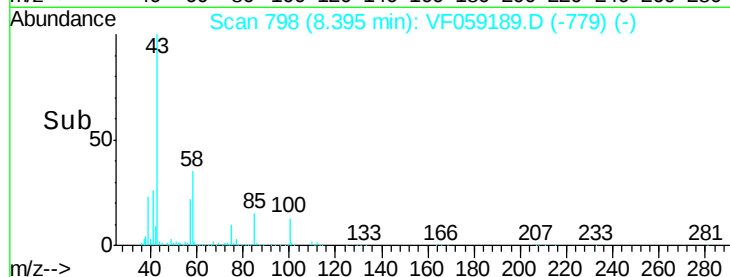
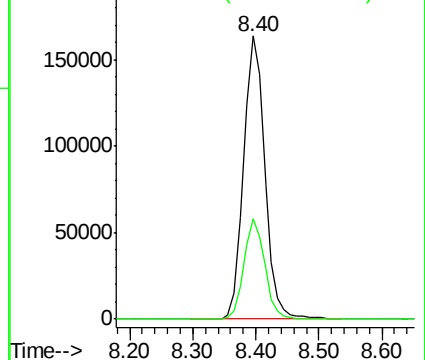
43 100

58 35.3 29.4 44.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 49.953 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059189.D

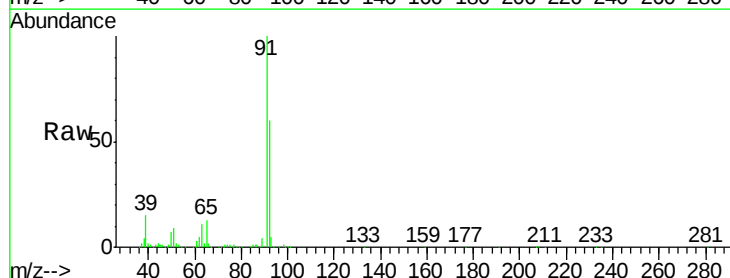
Acq: 18 Jun 2018 21:30

Tgt Ion: 92 Resp: 197969

Ion Ratio Lower Upper

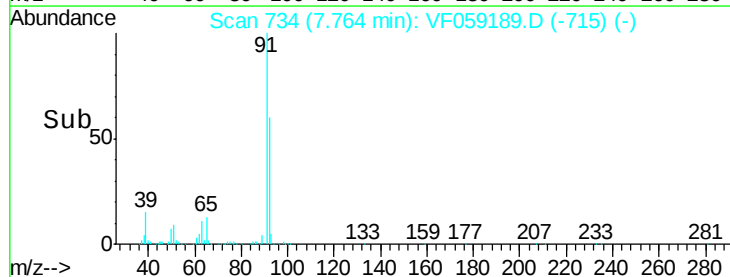
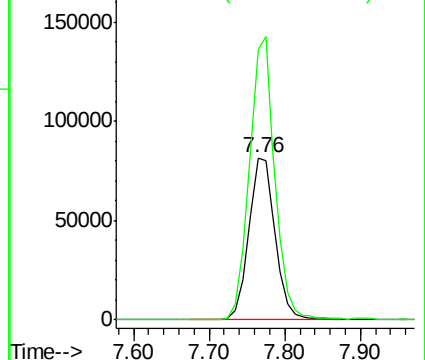
92 100

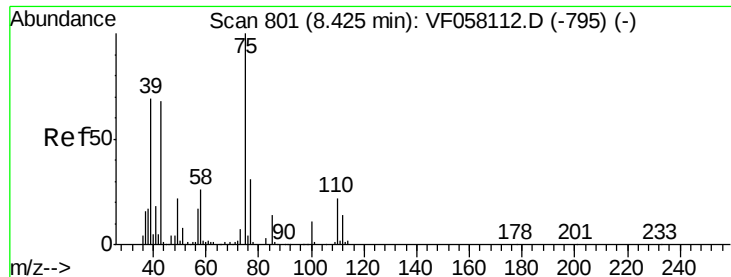
91 166.5 132.9 199.3



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: 52.268 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

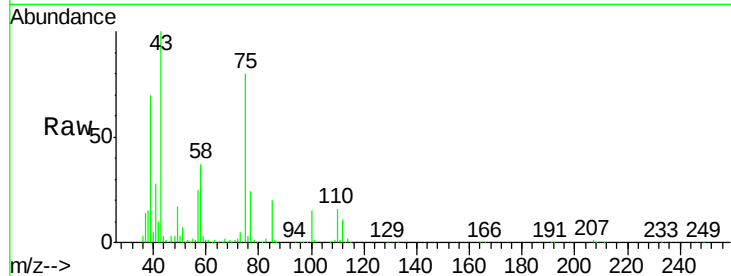
VSTDCCC050EC

Tgt Ion: 75 Resp: 137456

Ion Ratio Lower Upper

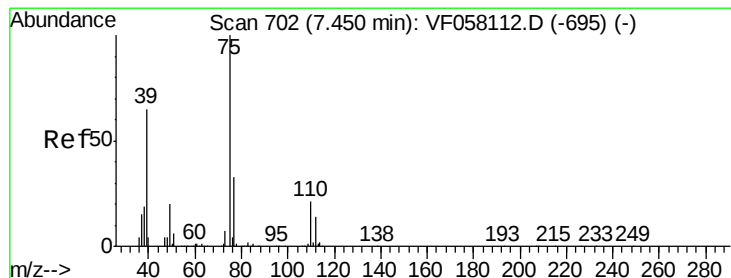
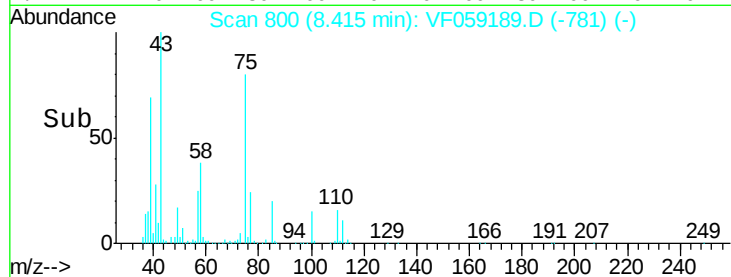
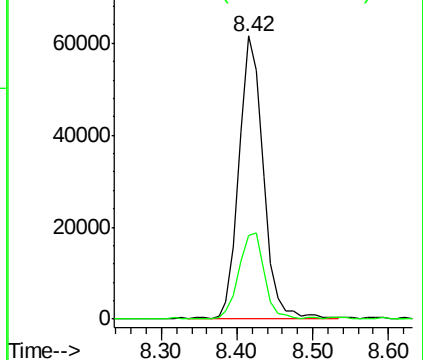
75 100

77 29.7 25.1 37.7



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: 51.688 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

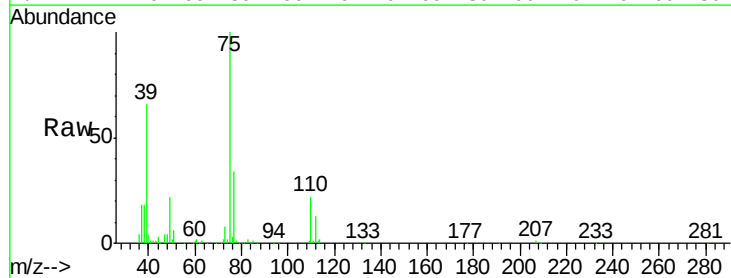
Tgt Ion: 75 Resp: 156151

Ion Ratio Lower Upper

75 100

77 33.8 26.3 39.5

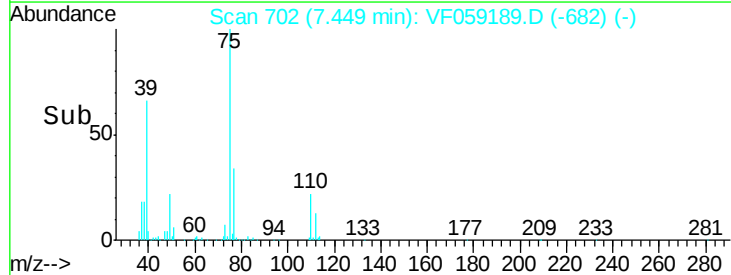
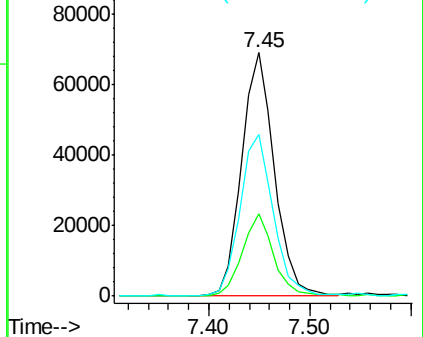
39 66.3 52.1 78.1

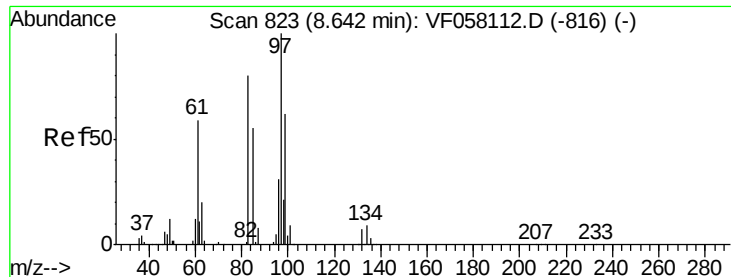


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 51.220 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 73558

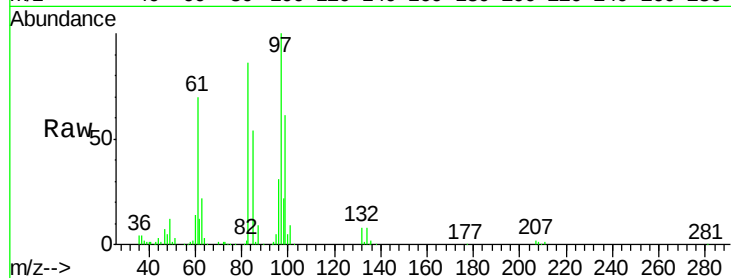
Ion Ratio Lower Upper

97 100

83 85.8 64.3 96.5

85 53.5 43.8 65.8

99 60.6 49.8 74.8

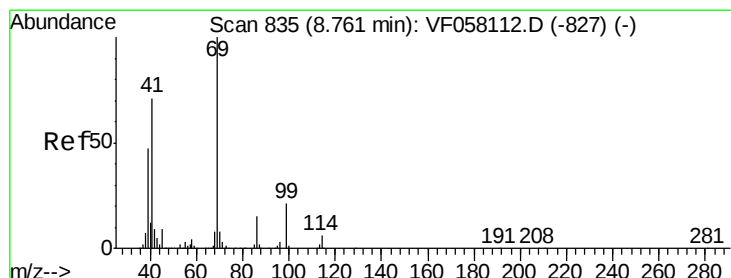
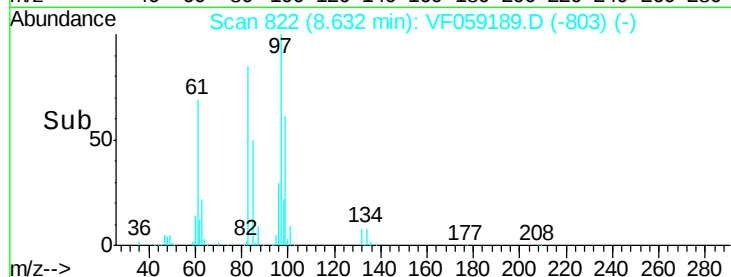
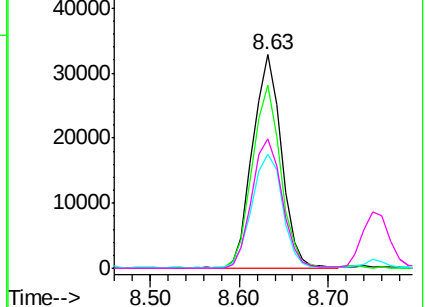


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 50.362 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

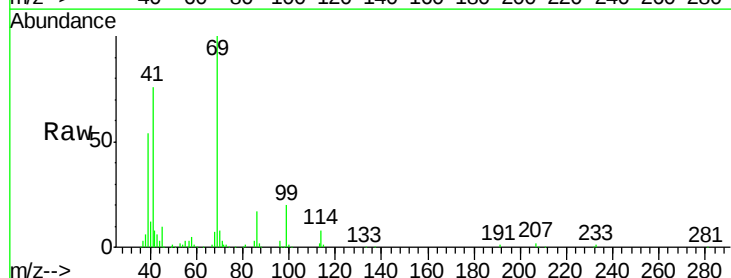
Tgt Ion: 69 Resp: 91167

Ion Ratio Lower Upper

69 100

41 75.9 56.9 85.3

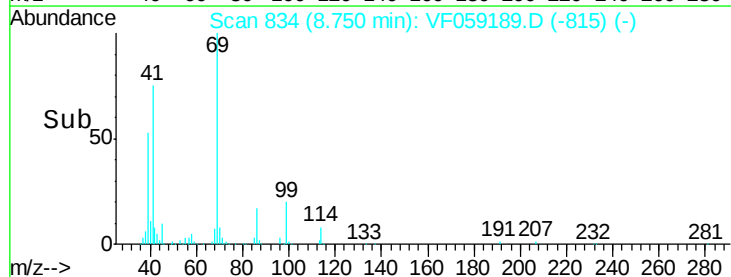
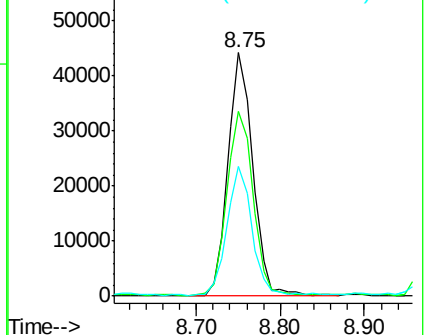
39 53.5 38.0 57.0

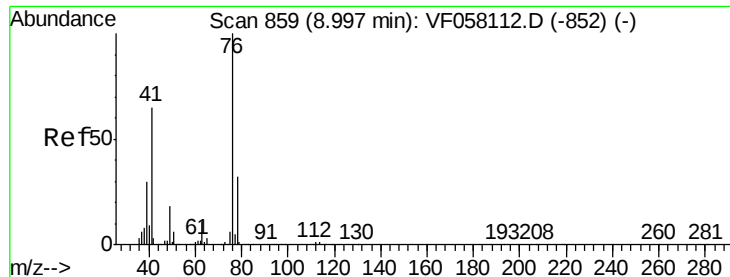


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 53.800 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

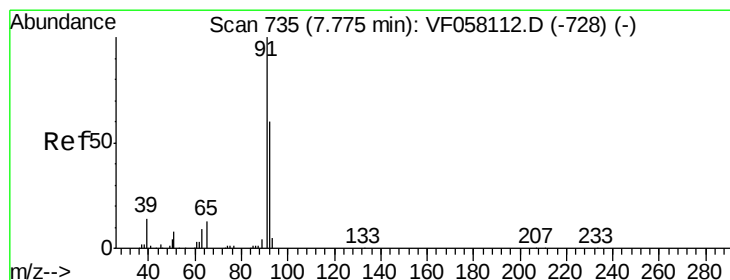
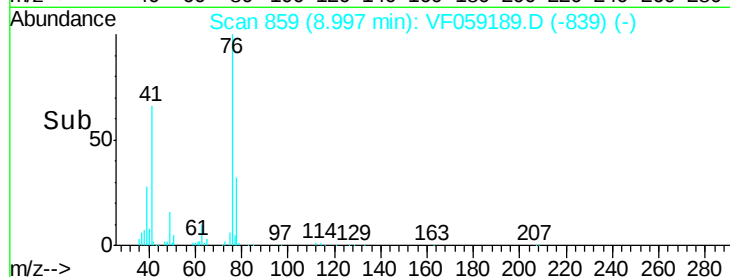
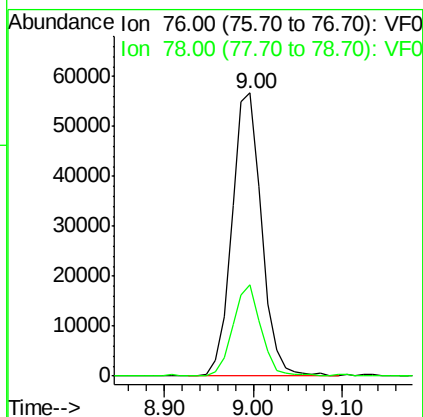
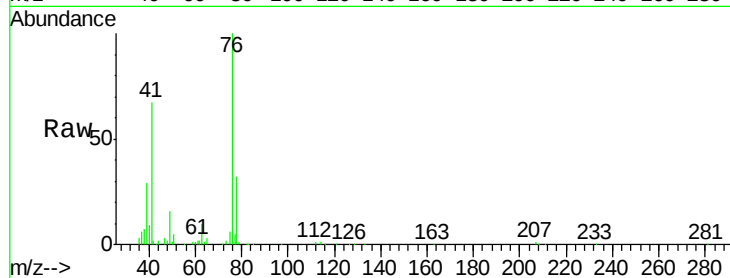
VSTDCCC050EC

Tgt Ion: 76 Resp: 132168

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 265.077 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059189.D

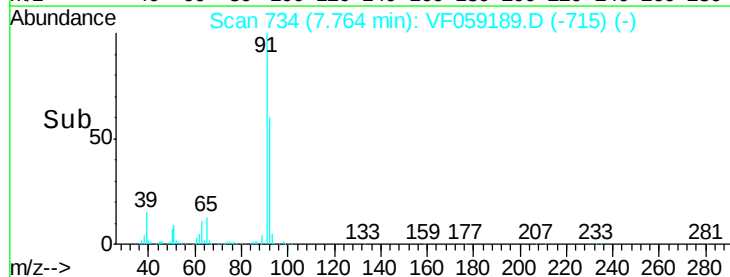
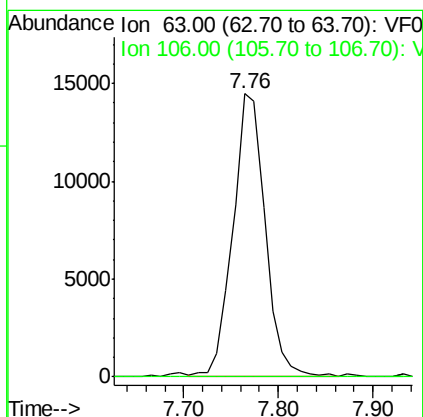
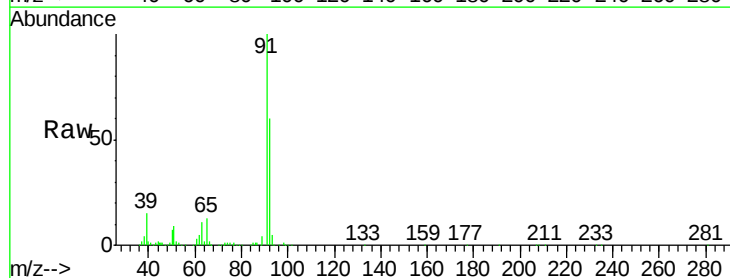
Acq: 18 Jun 2018 21:30

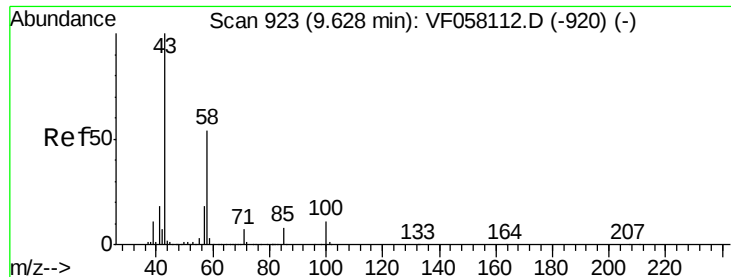
Tgt Ion: 63 Resp: 34311

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

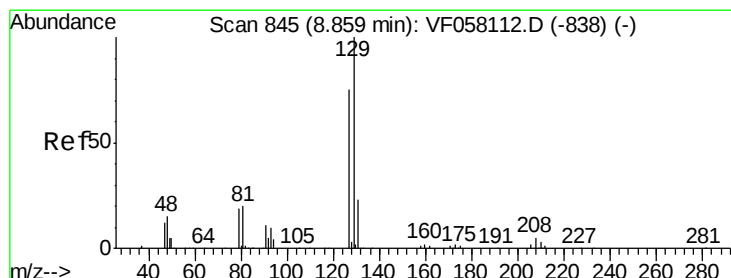
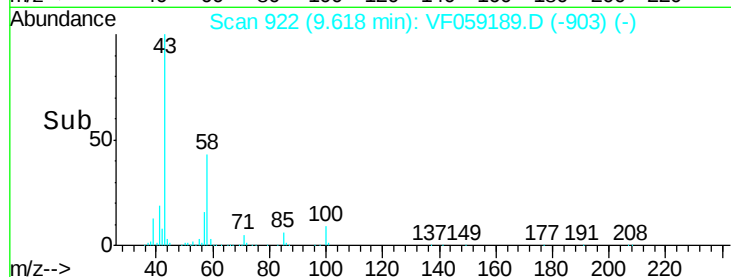
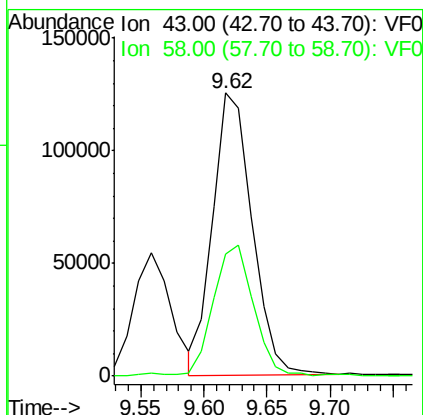
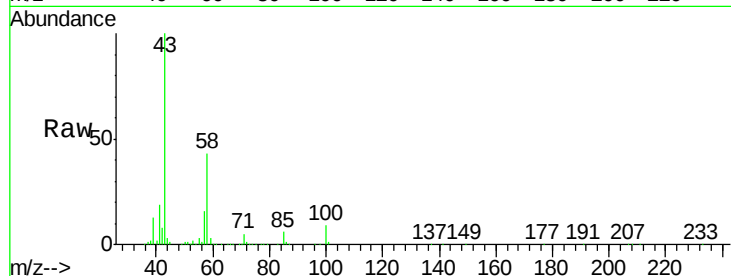




#59
2-Hexanone
Concen: 255.700 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

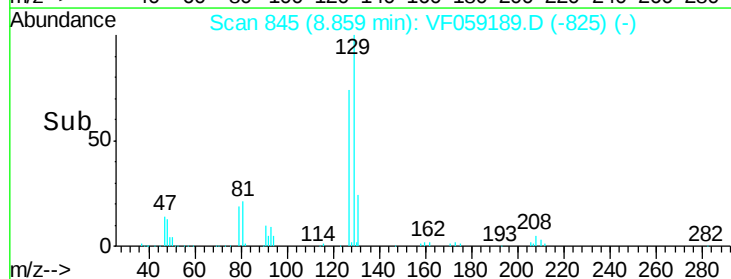
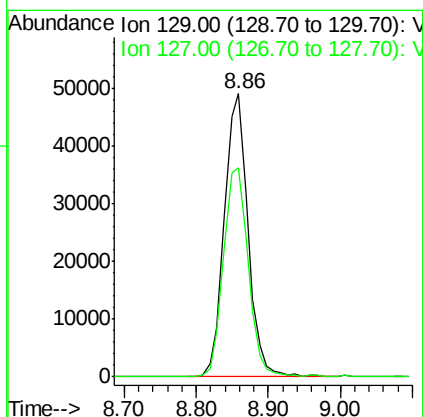
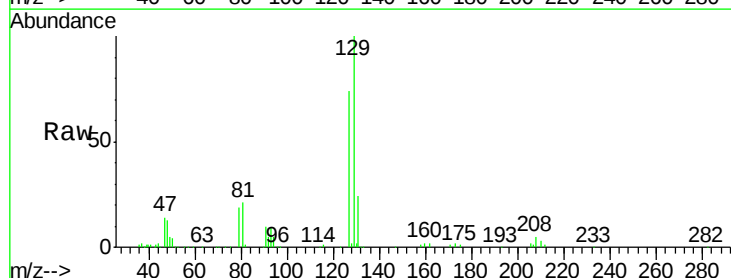
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

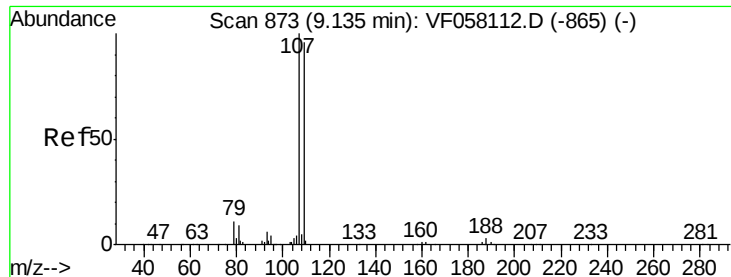
Tgt Ion: 43 Resp: 271932
Ion Ratio Lower Upper
43 100
58 43.0 26.3 78.8



#60
Dibromochloromethane
Concen: 54.281 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Tgt Ion: 129 Resp: 112020
Ion Ratio Lower Upper
129 100
127 74.0 37.6 112.9





#61

1,2-Dibromoethane

Concen: 53.487 ug/l

RT: 9.12 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

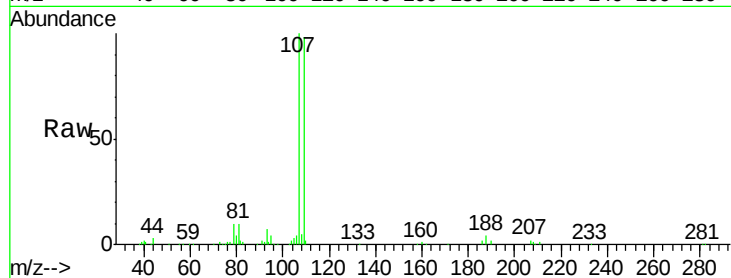
VSTDCCC050EC

Tgt Ion: 107 Resp: 89255

Ion Ratio Lower Upper

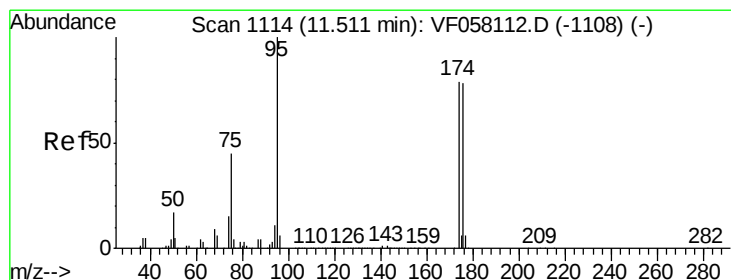
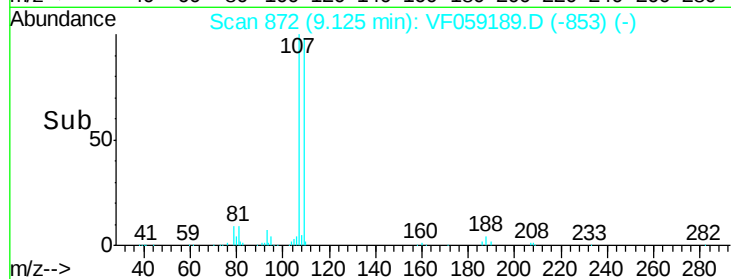
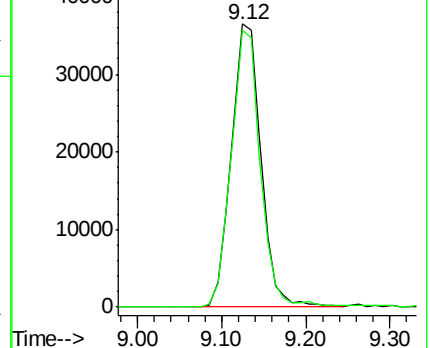
107 100

109 97.9 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.736 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

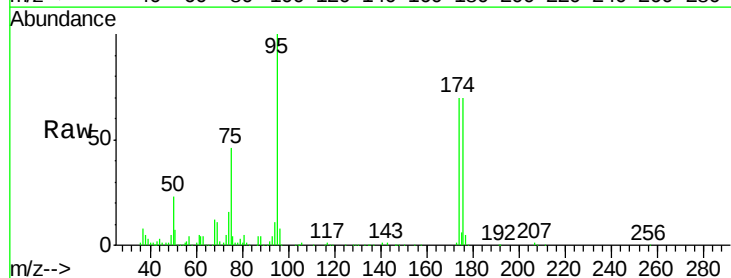
Tgt Ion: 95 Resp: 126016

Ion Ratio Lower Upper

95 100

174 70.0 0.0 157.8

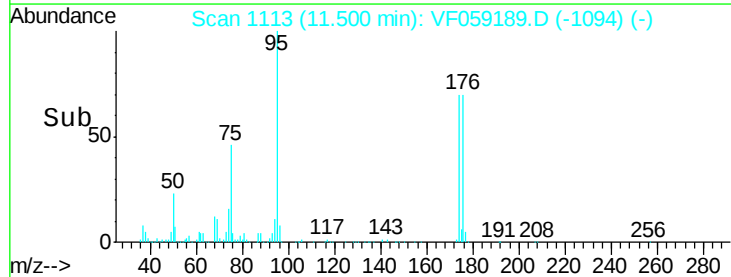
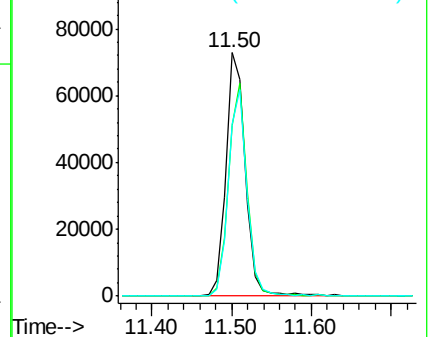
176 70.4 0.0 155.8

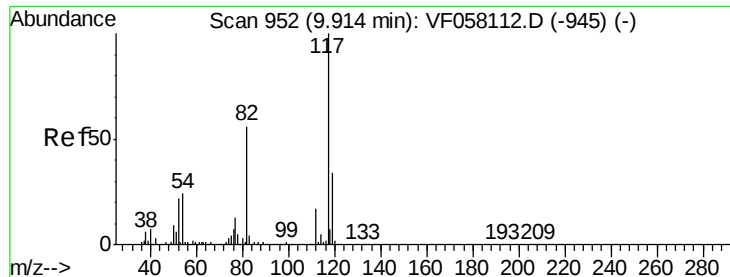


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

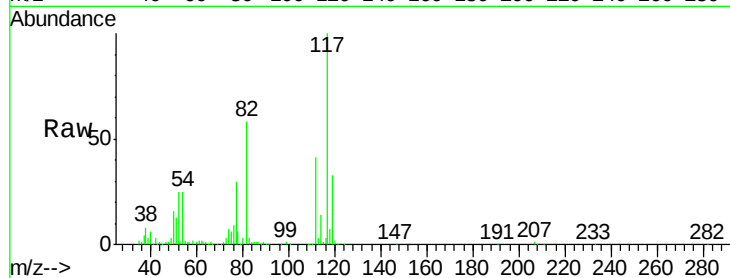




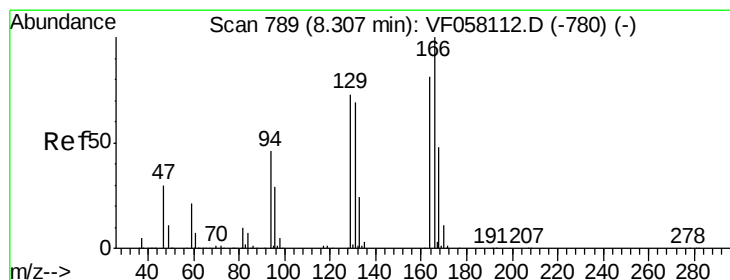
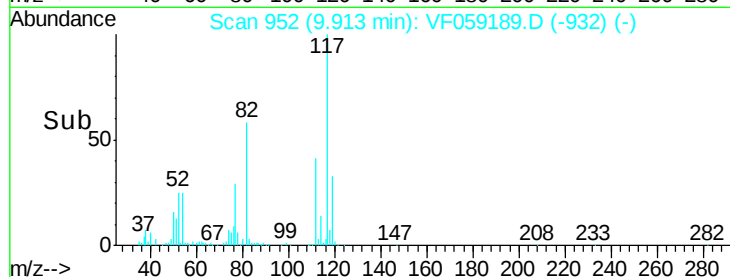
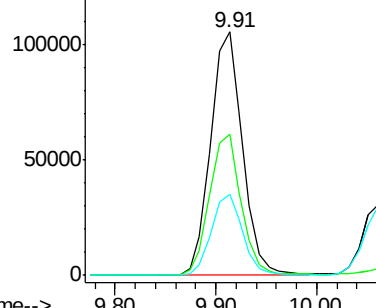
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.0	45.2	67.8
119	33.1	27.5	41.3



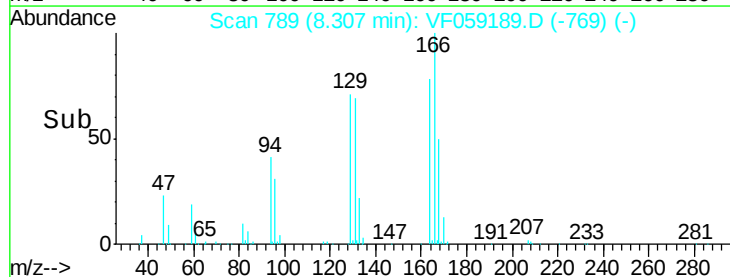
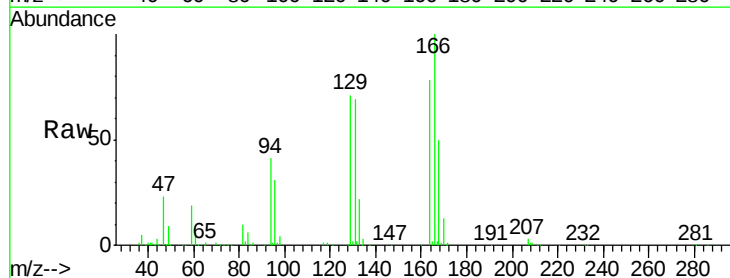
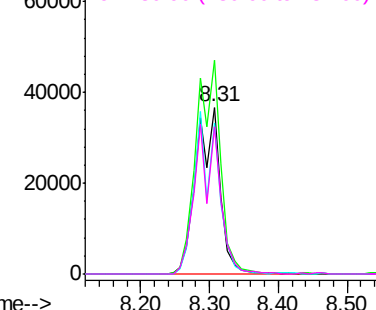
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

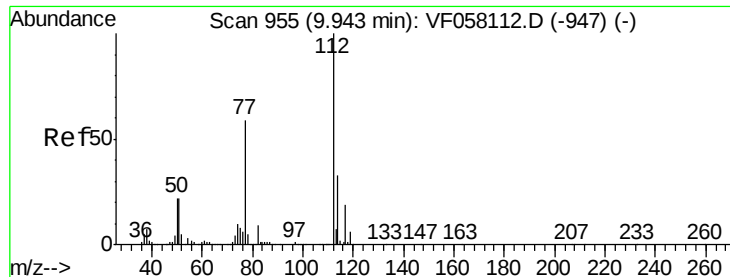


#64
Tetrachloroethene
Concen: 51.343 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	98.2	147.4
129	90.8	71.6	107.4
131	88.2	67.8	101.6

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 53.607 ug/l

RT: 9.93 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

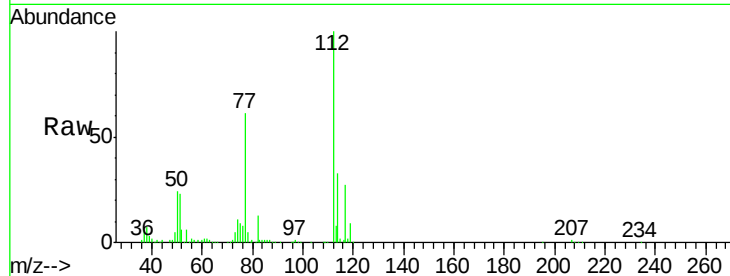
VSTDCCC050EC

Tgt Ion:112 Resp: 246166

Ion Ratio Lower Upper

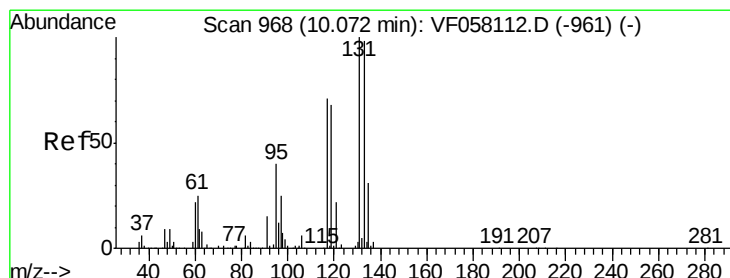
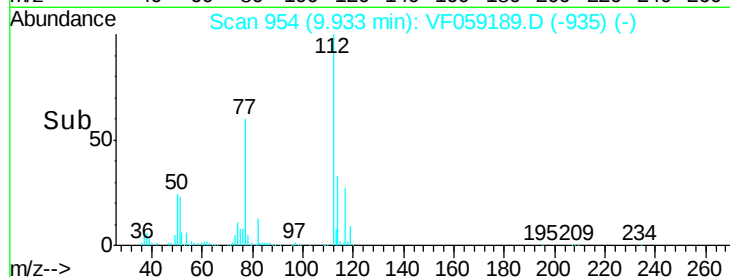
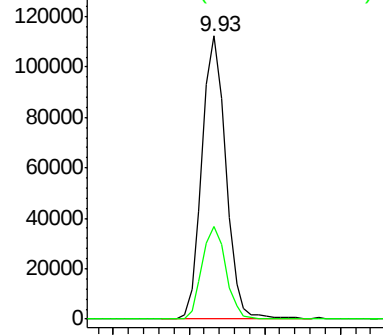
112 100

114 32.7 26.2 39.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 58.007 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

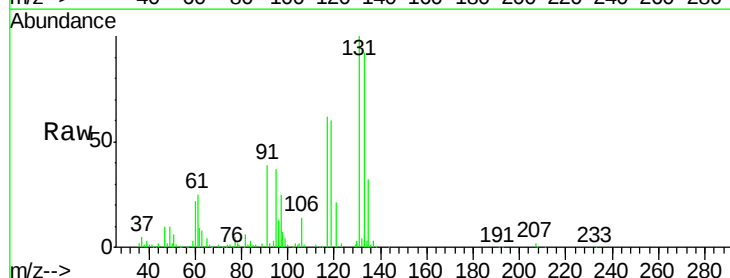
Tgt Ion:131 Resp: 105960

Ion Ratio Lower Upper

131 100

133 92.1 49.1 147.4

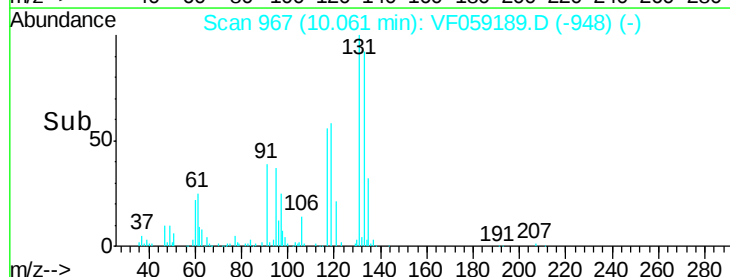
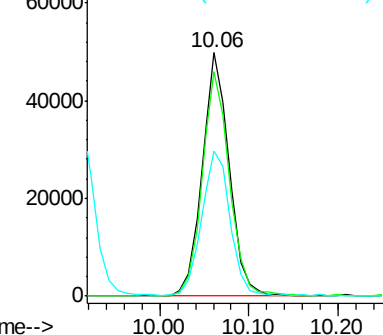
119 59.8 34.3 102.8

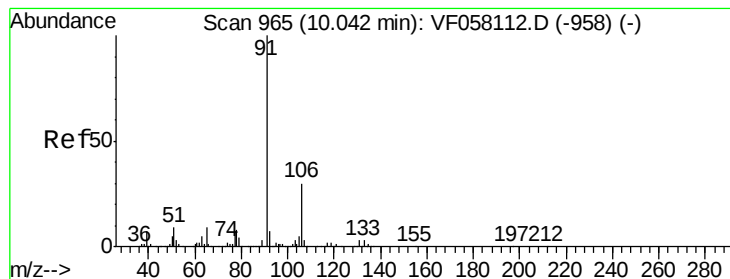


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 52.788 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

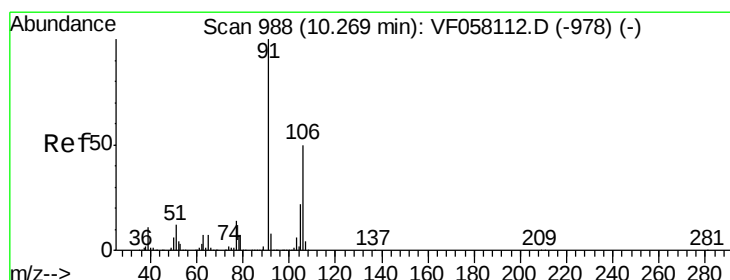
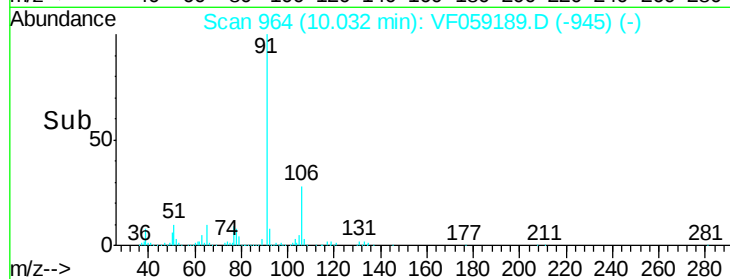
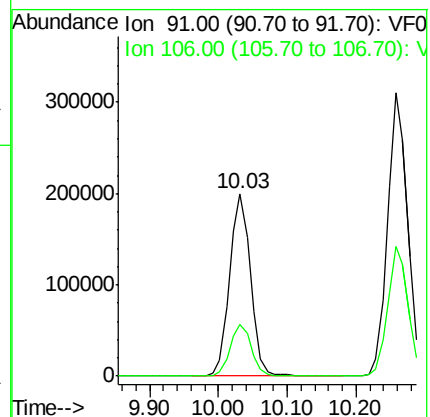
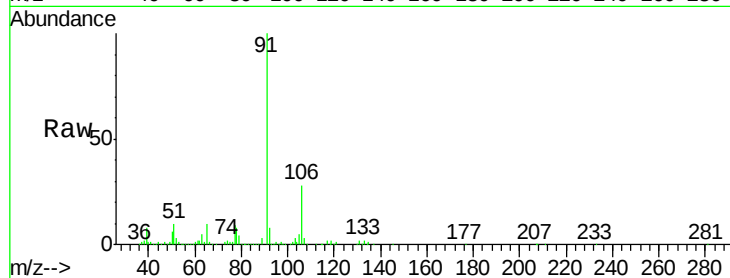
VSTDCCC050EC

Tgt Ion: 91 Resp: 421203

Ion Ratio Lower Upper

91 100

106 28.4 24.2 36.4



#68

m/p-Xylenes

Concen: 98.972 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059189.D

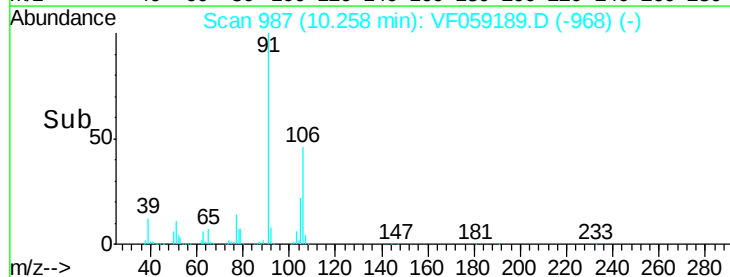
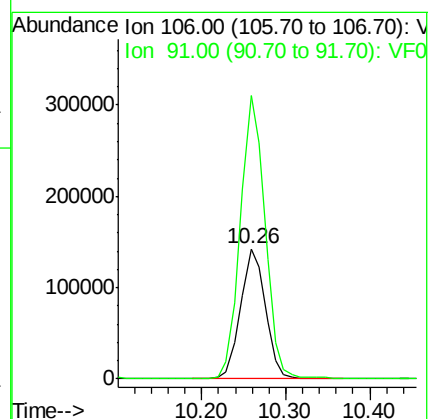
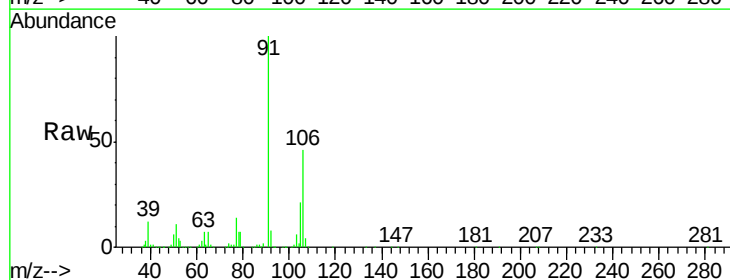
Acq: 18 Jun 2018 21:30

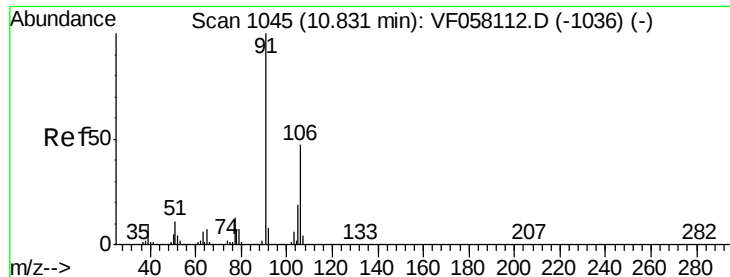
Tgt Ion: 106 Resp: 295663

Ion Ratio Lower Upper

106 100

91 217.9 160.7 241.1

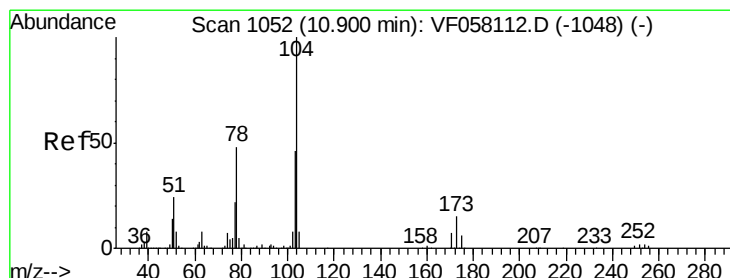
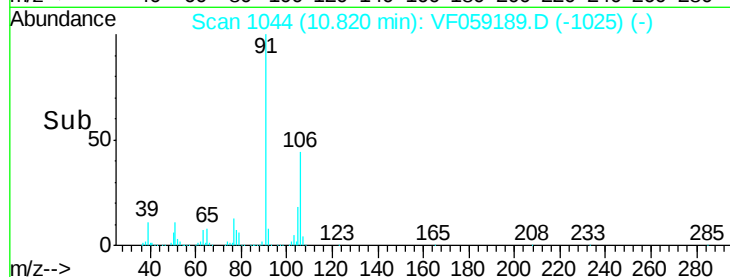
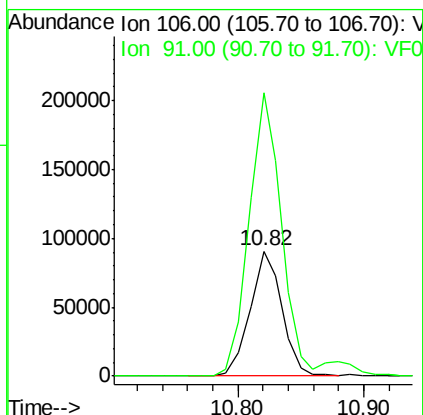
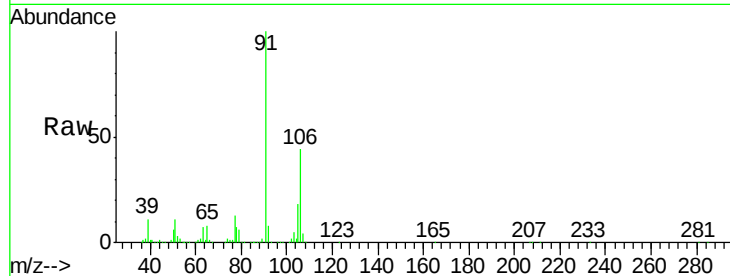




#69
o-Xylene
Concen: 49.167 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

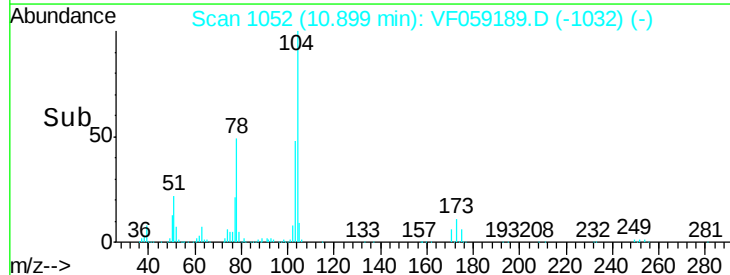
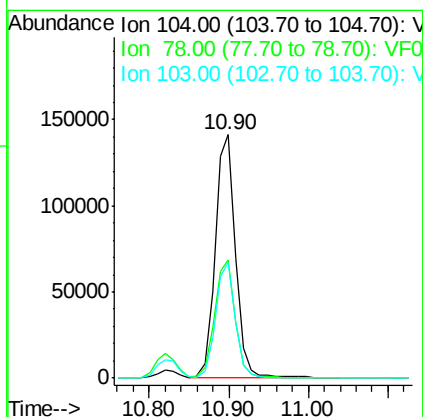
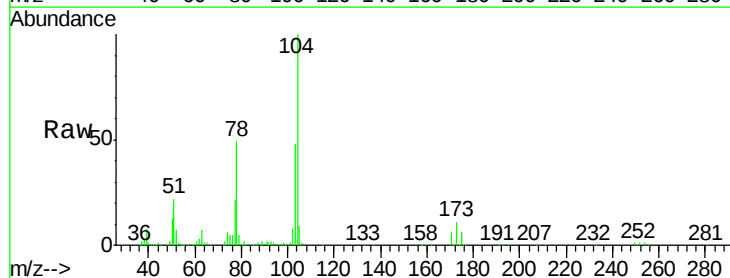
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

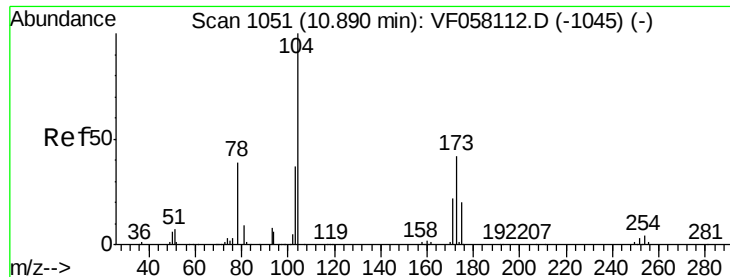
Tgt Ion:106 Resp: 158744
Ion Ratio Lower Upper
106 100
91 226.8 107.0 321.0



#70
Styrene
Concen: 51.672 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Tgt Ion:104 Resp: 252420
Ion Ratio Lower Upper
104 100
78 48.5 38.4 57.6
103 47.7 37.0 55.6





#71

Bromoform

Concen: 59.494 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

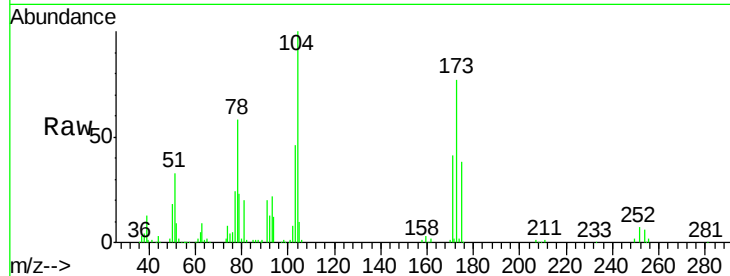
Tgt Ion:173 Resp: 73804

Ion Ratio Lower Upper

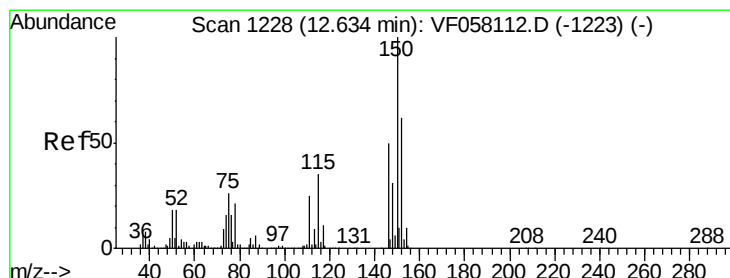
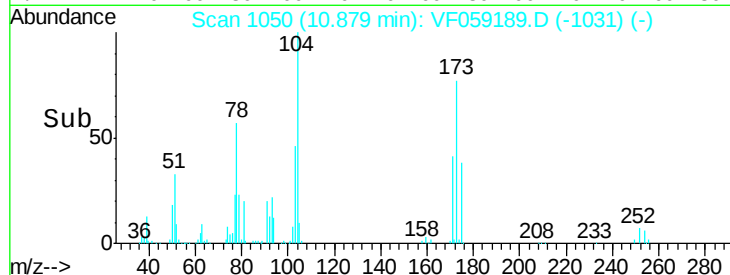
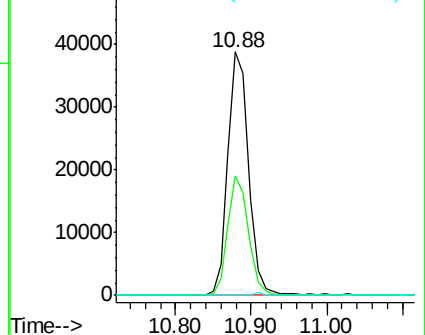
173 100

175 49.0 24.6 74.0

254 0.3 7.8 11.8#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

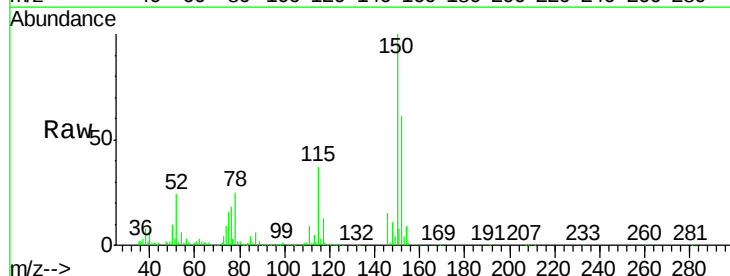
Tgt Ion:152 Resp: 133914

Ion Ratio Lower Upper

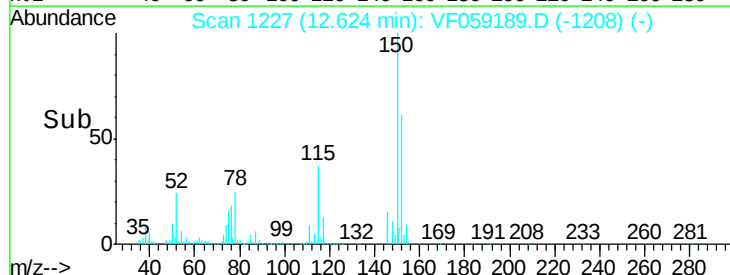
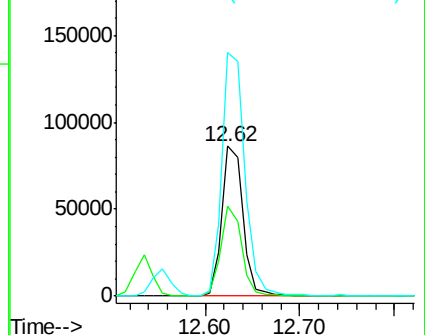
152 100

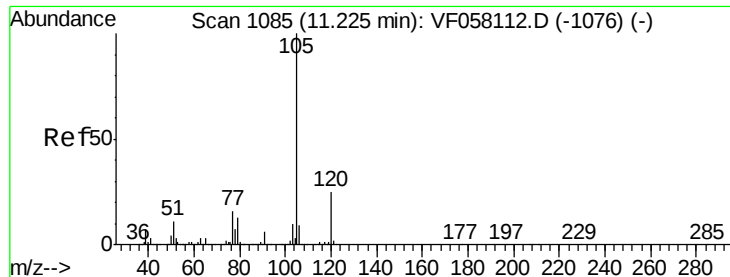
115 60.5 28.5 85.5

150 162.8 0.0 323.8



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: 52.002 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

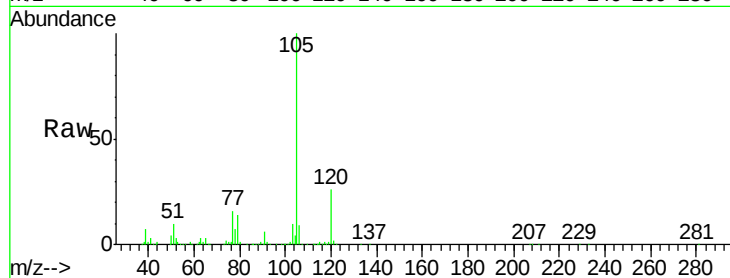
VSTDCCC050EC

Tgt Ion:105 Resp: 482134

Ion Ratio Lower Upper

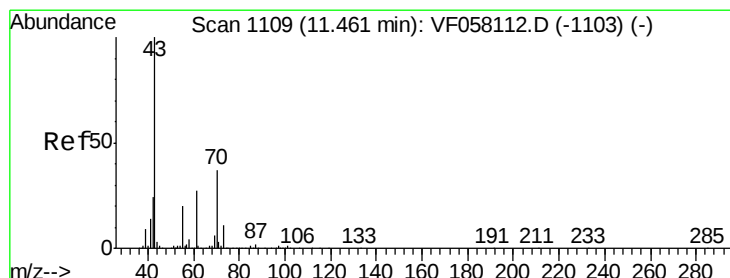
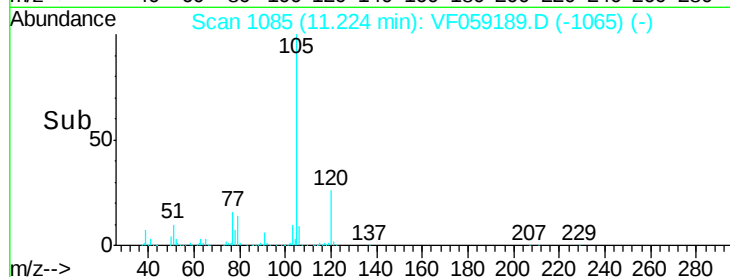
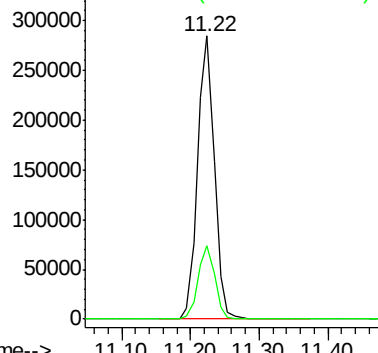
105 100

120 26.1 12.7 38.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.353 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Tgt Ion: 43 Resp: 166765

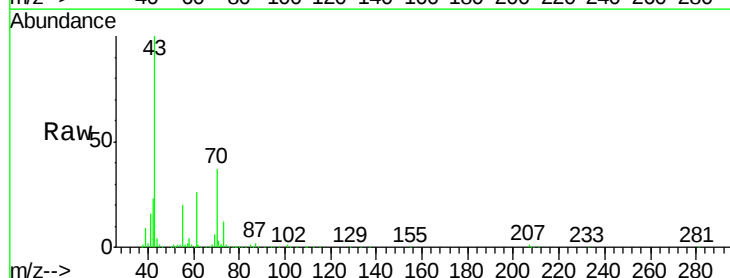
Ion Ratio Lower Upper

43 100

70 36.7 29.2 43.8

55 20.3 15.8 23.6

61 26.0 21.3 31.9

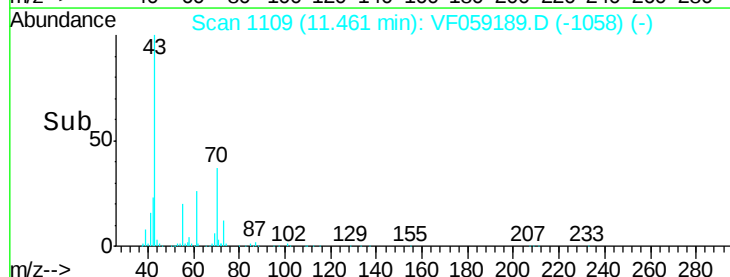
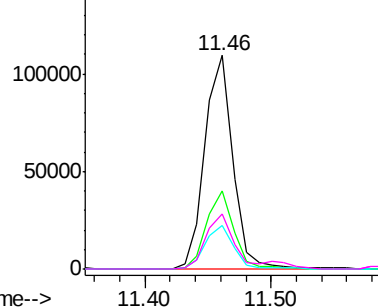


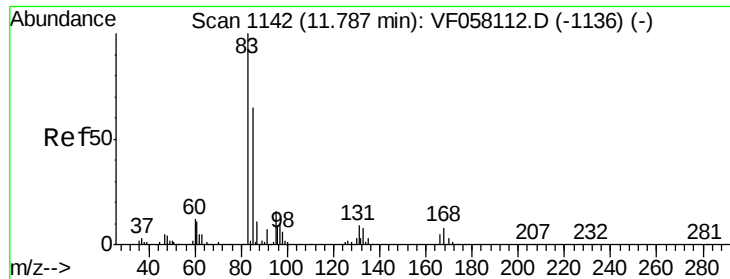
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.177 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

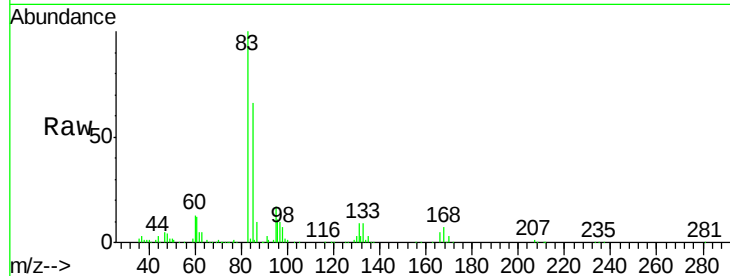
Tgt Ion: 83 Resp: 112493

Ion Ratio Lower Upper

83 100

131 9.4 4.5 13.7

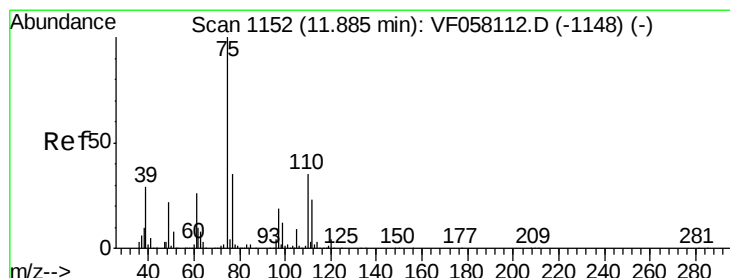
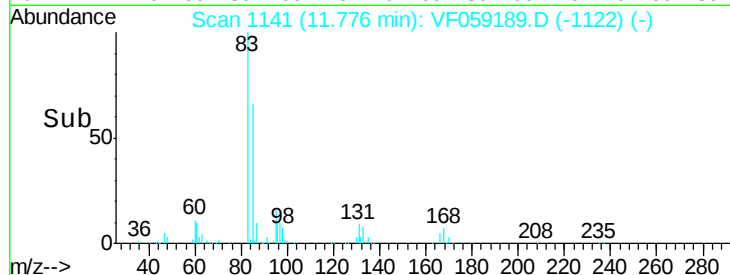
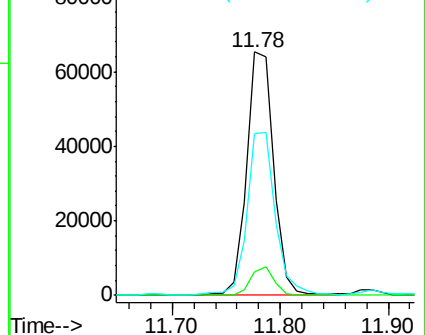
85 66.2 32.8 98.3



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: 53.318 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF059189.D

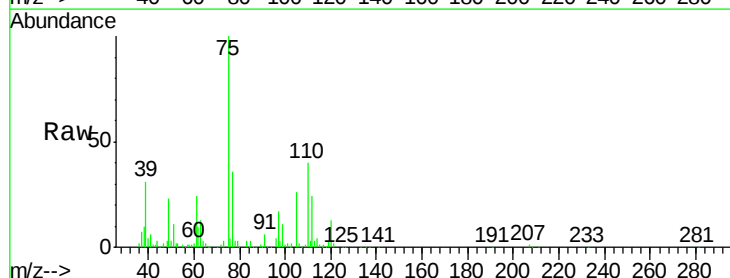
Acq: 18 Jun 2018 21:30

Tgt Ion: 75 Resp: 86556

Ion Ratio Lower Upper

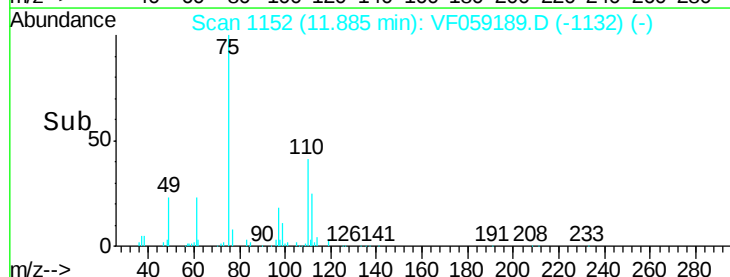
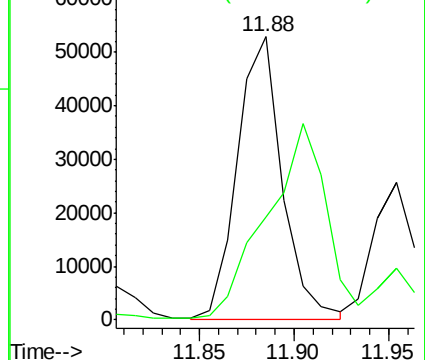
75 100

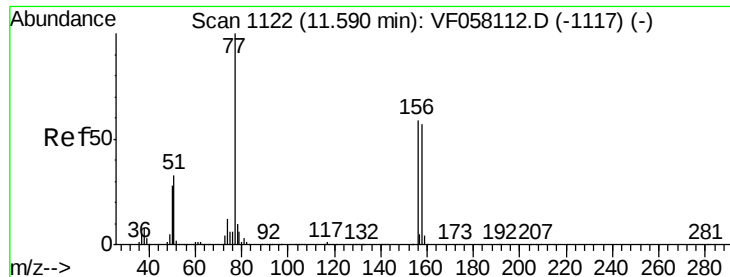
77 36.2 17.5 52.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 53.535 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

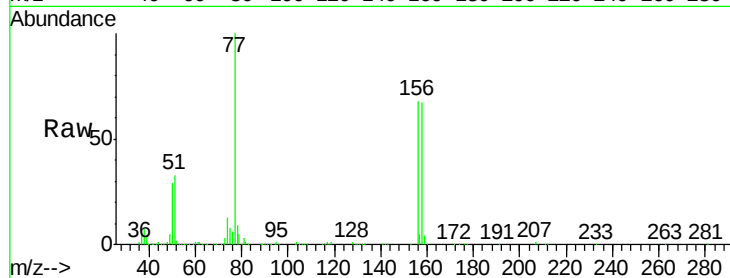
Tgt Ion:156 Resp: 124918

Ion Ratio Lower Upper

156 100

77 147.7 84.8 254.4

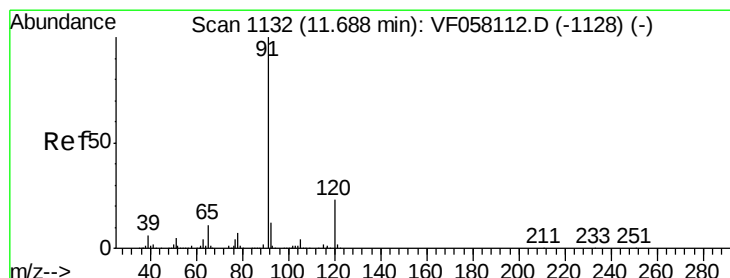
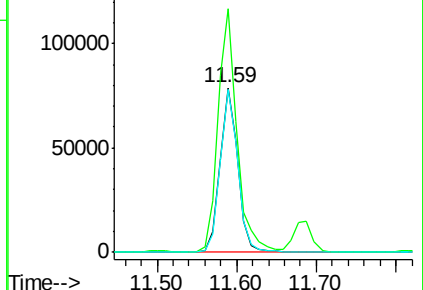
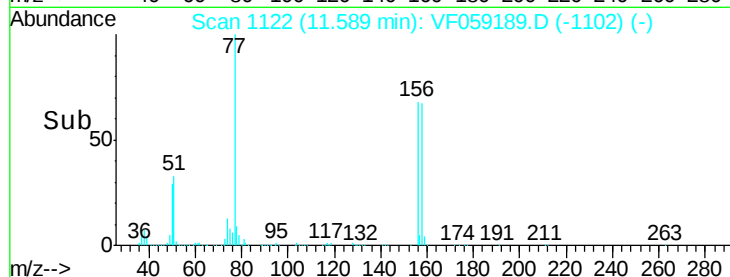
158 98.8 47.9 143.7



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: 50.110 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF059189.D

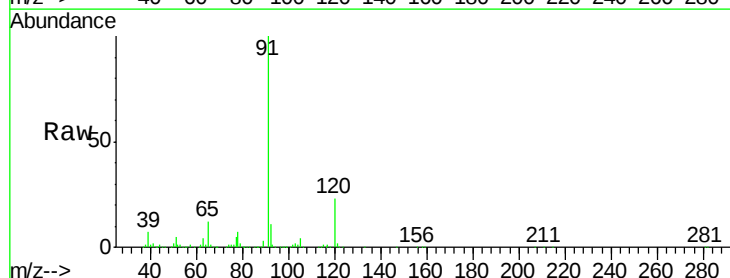
Acq: 18 Jun 2018 21:30

Tgt Ion: 91 Resp: 549910

Ion Ratio Lower Upper

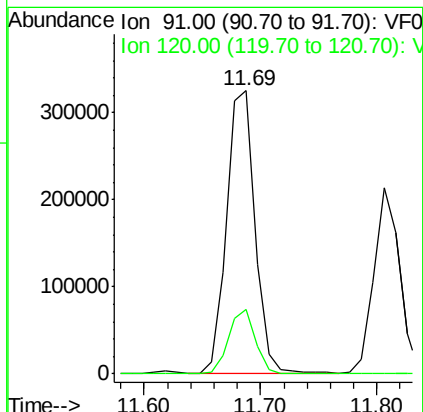
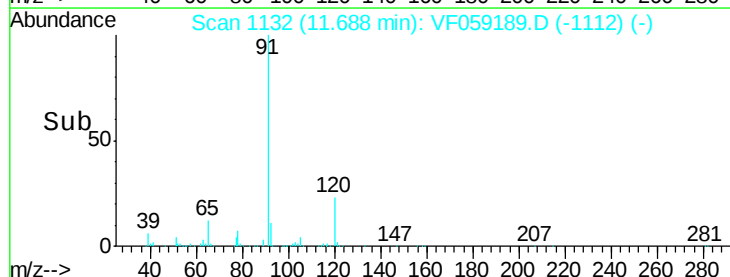
91 100

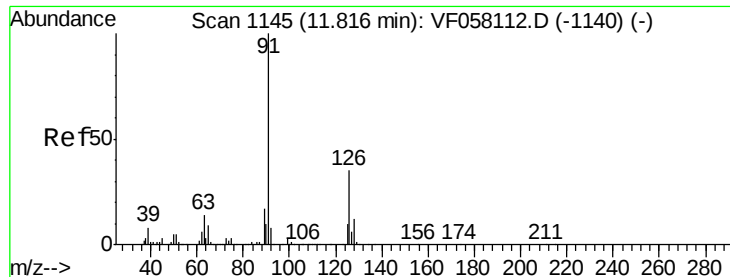
120 22.7 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.365 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

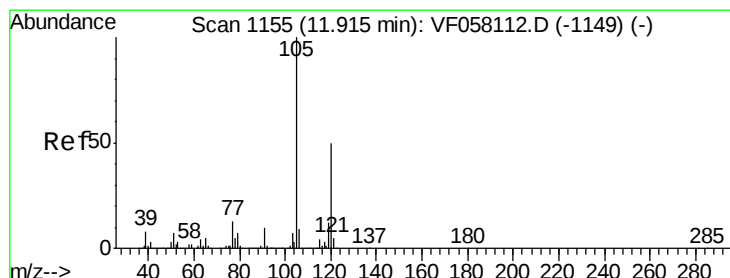
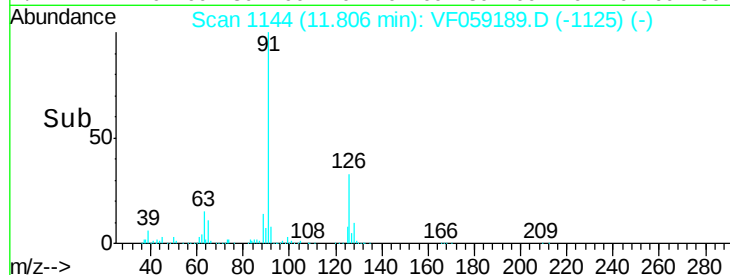
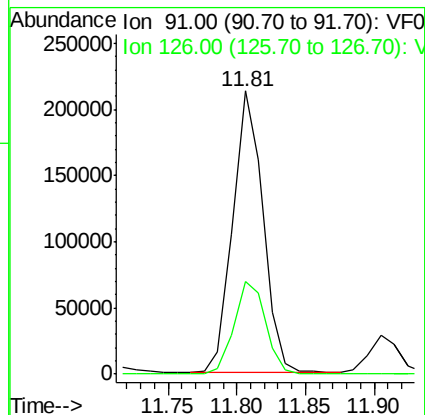
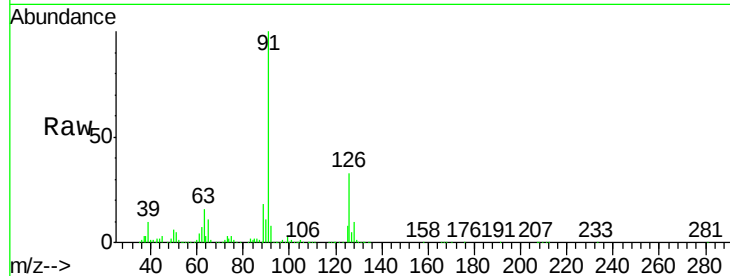
VSTDCCC050EC

Tgt Ion: 91 Resp: 326520

Ion Ratio Lower Upper

91 100

126 32.5 17.6 52.9



#80

1,3,5-Trimethylbenzene

Concen: 52.760 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059189.D

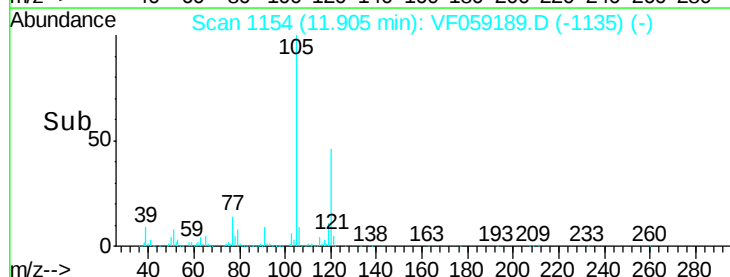
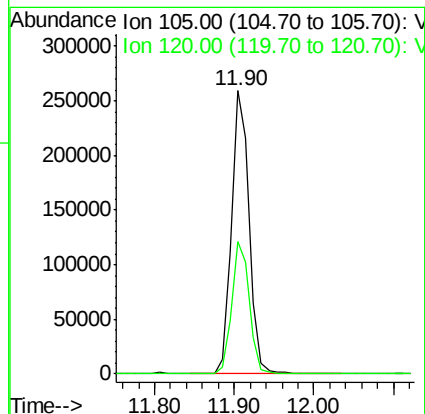
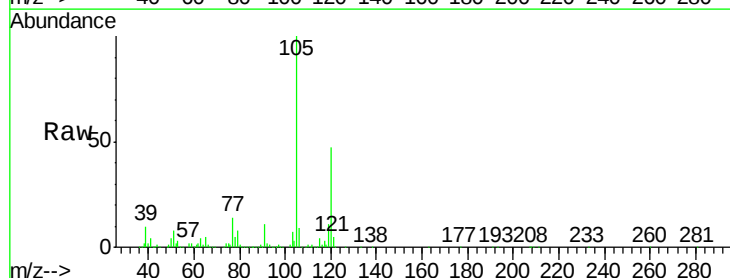
Acq: 18 Jun 2018 21:30

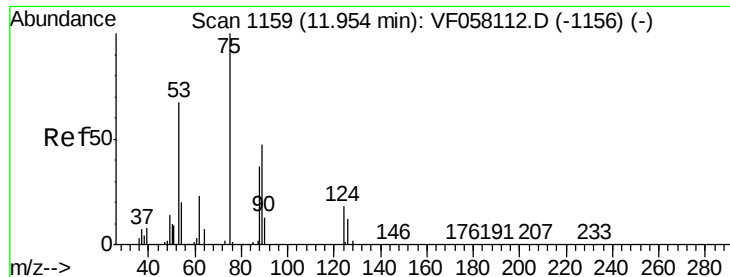
Tgt Ion: 105 Resp: 404863

Ion Ratio Lower Upper

105 100

120 46.6 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 48.219 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

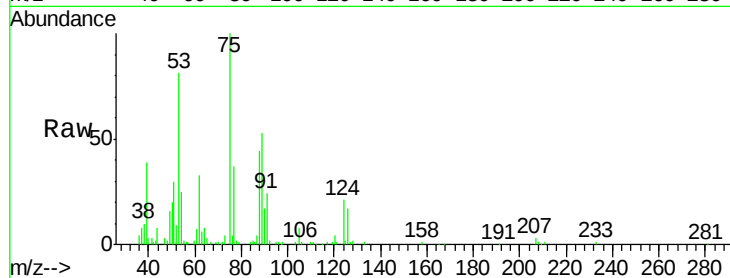
Tgt Ion: 75 Resp: 50753

Ion Ratio Lower Upper

75 100

53 81.5 58.7 88.1

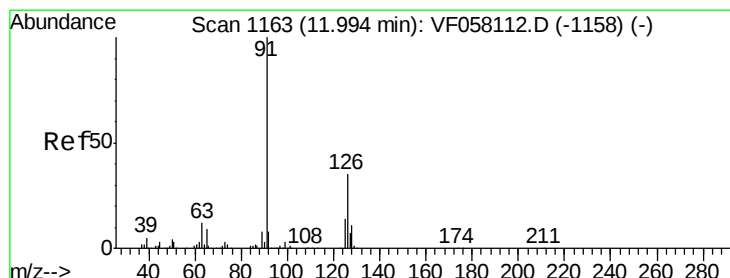
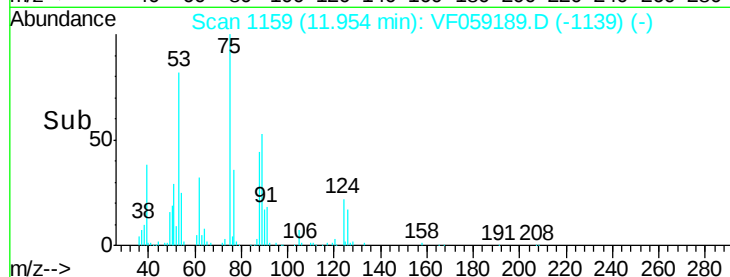
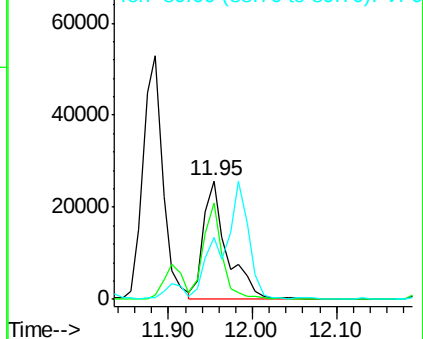
89 52.6 39.8 59.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 48.899 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VF059189.D

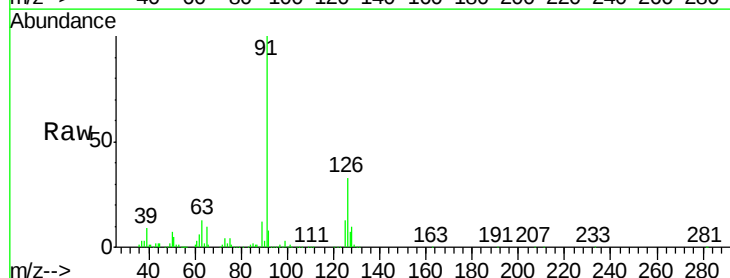
Acq: 18 Jun 2018 21:30

Tgt Ion: 91 Resp: 337496

Ion Ratio Lower Upper

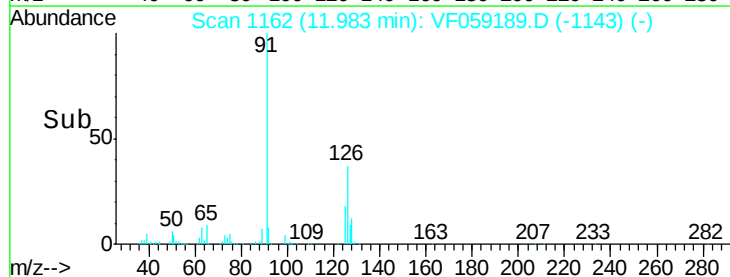
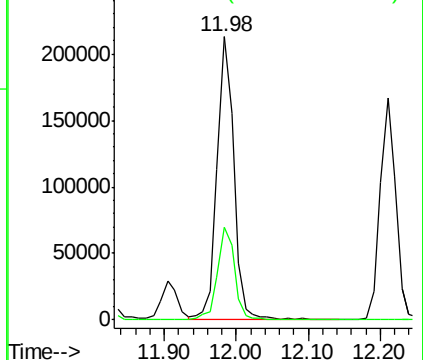
91 100

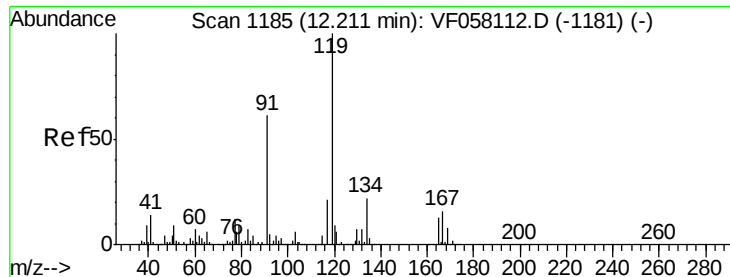
126 32.6 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 55.439 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

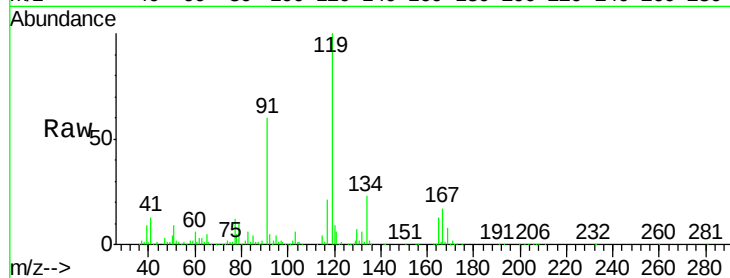
Tgt Ion:119 Resp: 422413

Ion Ratio Lower Upper

119 100

91 60.2 30.4 91.3

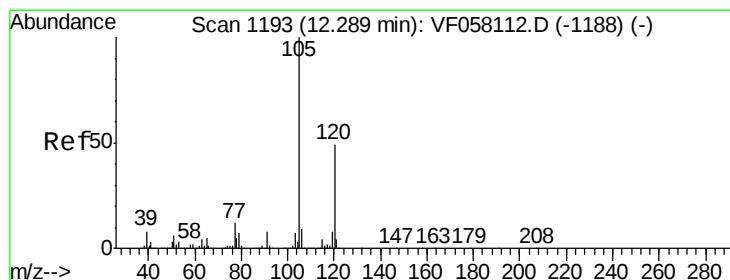
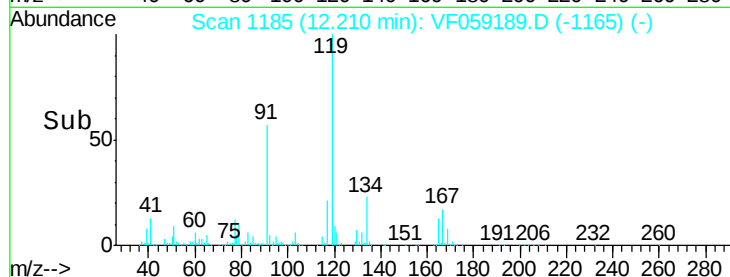
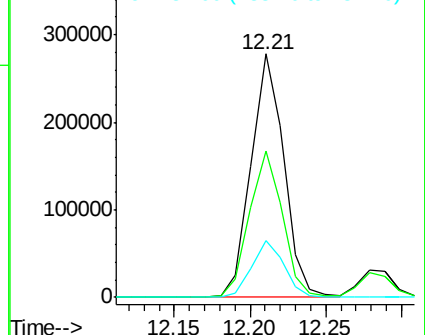
134 23.1 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.478 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF059189.D

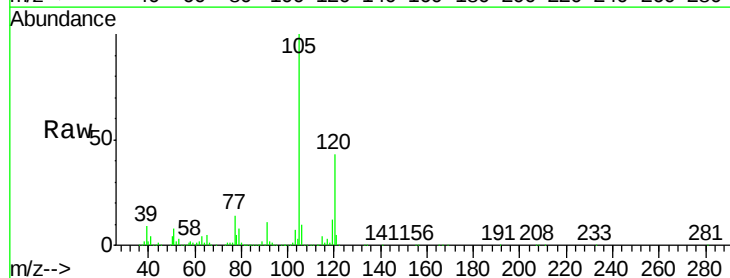
Acq: 18 Jun 2018 21:30

Tgt Ion:105 Resp: 409295

Ion Ratio Lower Upper

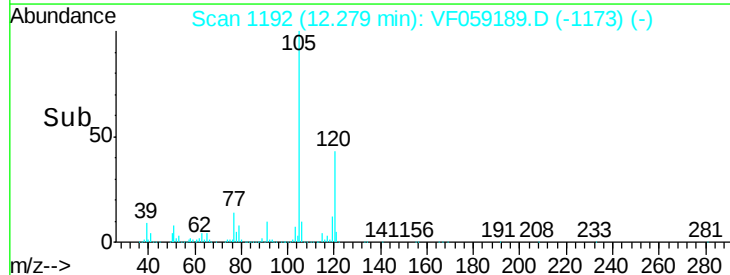
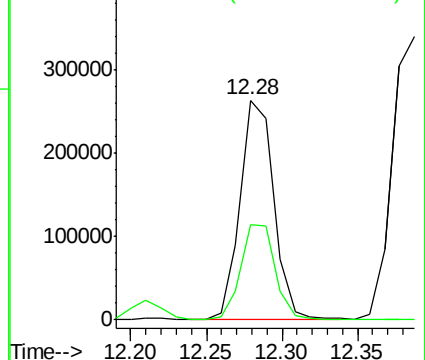
105 100

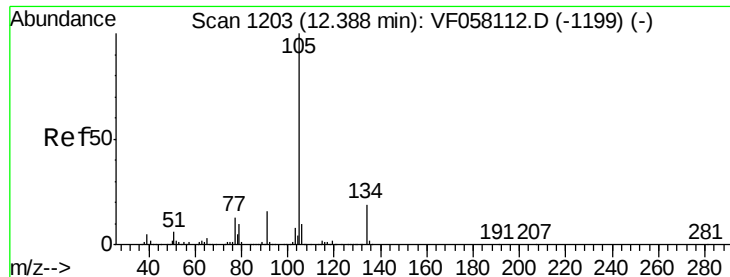
120 43.2 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.867 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

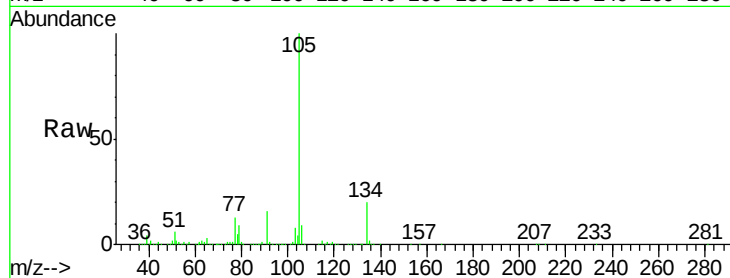
VSTDCCC050EC

Tgt Ion:105 Resp: 526643

Ion Ratio Lower Upper

105 100

134 19.5 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.39

300000

200000

100000

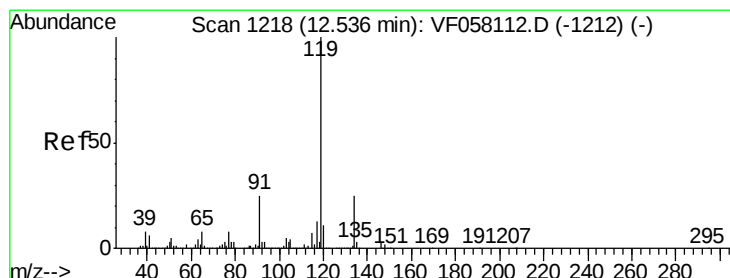
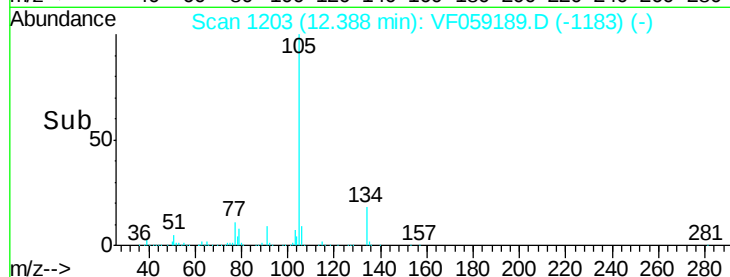
0

Time-->

12.30

12.40

12.50



#86

p-Isopropyltoluene

Concen: 54.910 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

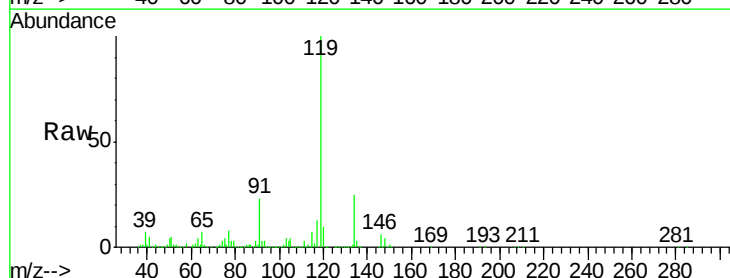
Tgt Ion:119 Resp: 466937

Ion Ratio Lower Upper

119 100

134 25.0 12.7 38.0

91 23.4 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

12.54

400000

300000

200000

100000

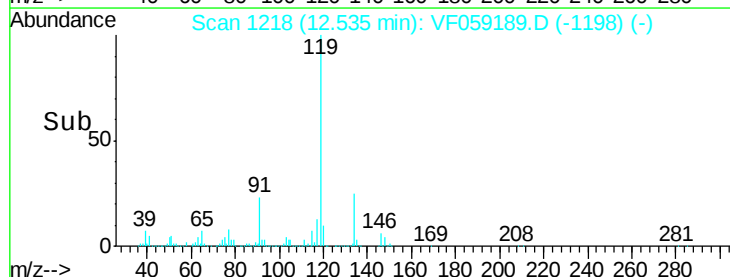
0

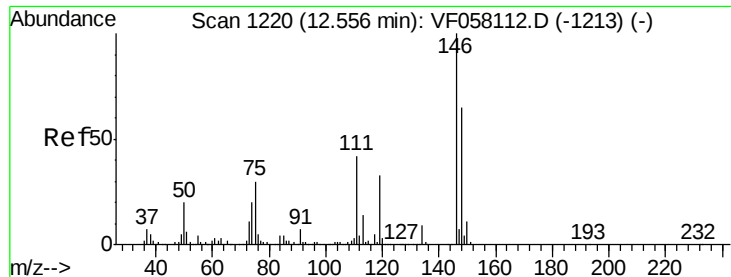
Time-->

12.40

12.50

12.60

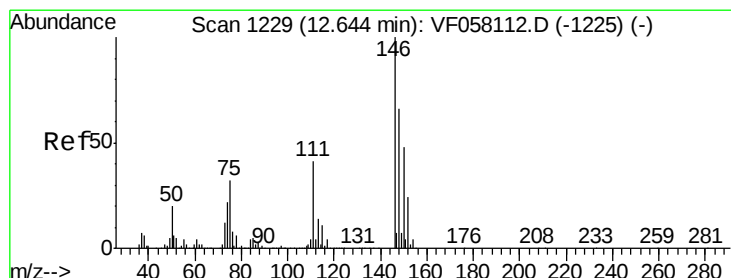
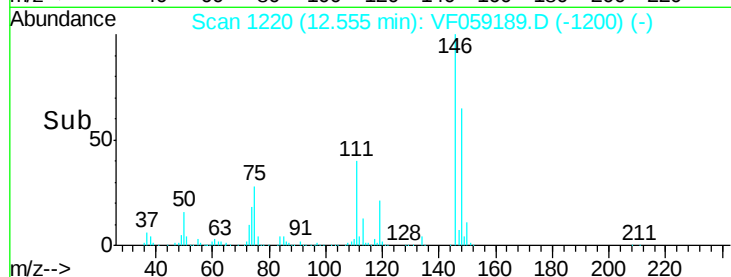
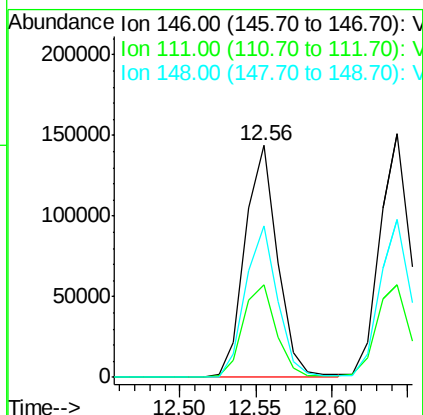
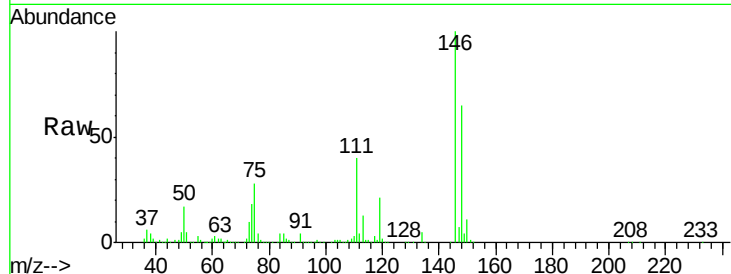




#87
 1,3-Dichlorobenzene
 Concen: 50.266 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF059189.D
 Acq: 18 Jun 2018 21:30

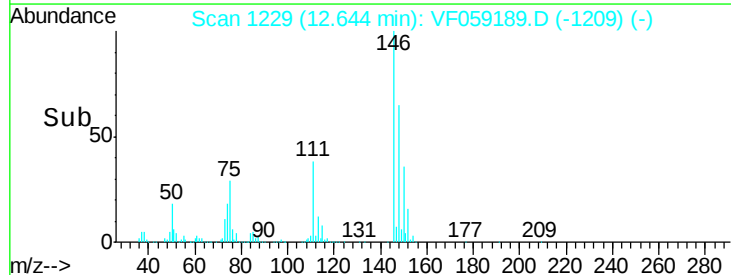
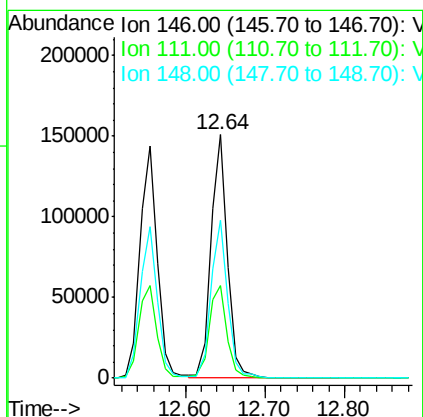
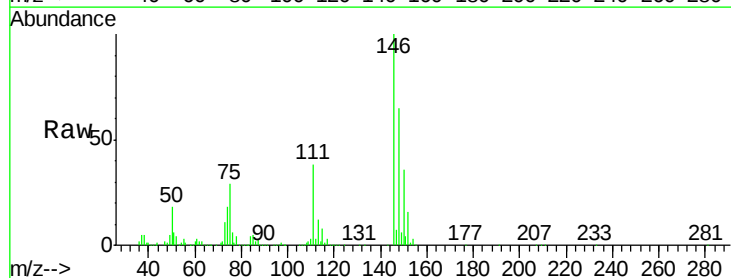
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

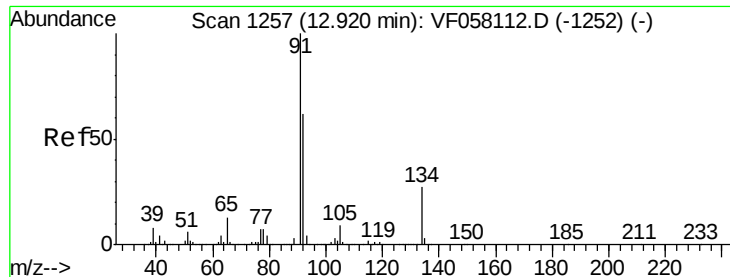
Tgt Ion:146 Resp: 216545
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.8 62.5
 148 65.5 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 52.844 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF059189.D
 Acq: 18 Jun 2018 21:30

Tgt Ion:146 Resp: 219381
 Ion Ratio Lower Upper
 146 100
 111 37.8 20.4 61.2
 148 64.9 33.0 99.0





#89

n-Butylbenzene

Concen: 48.376 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

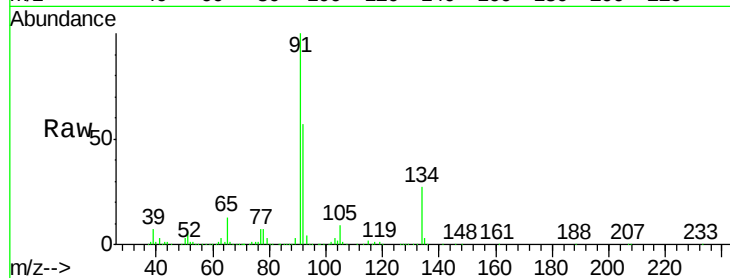
Tgt Ion: 91 Resp: 428211

Ion Ratio Lower Upper

91 100

92 57.4 31.1 93.5

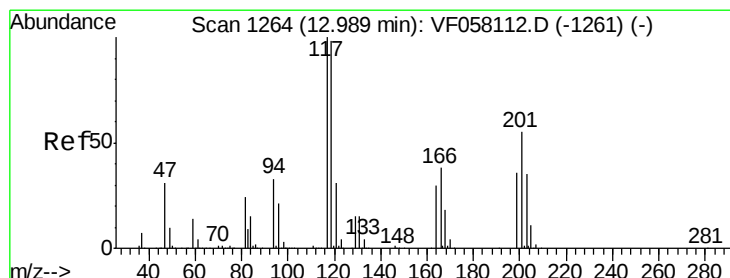
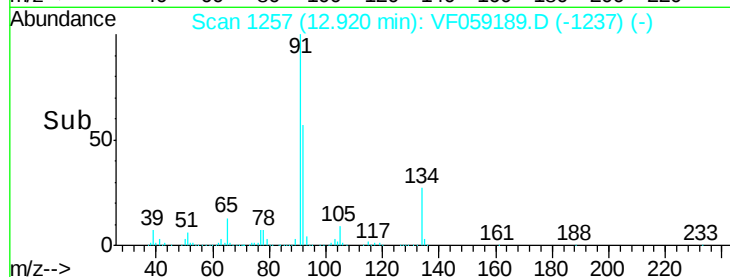
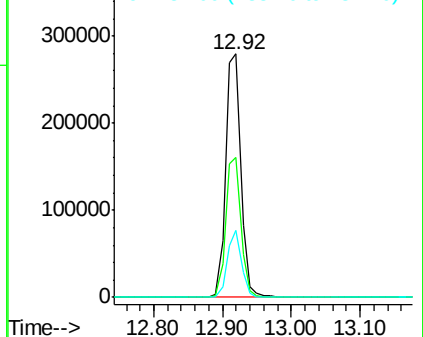
134 27.3 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 52.108 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VF059189.D

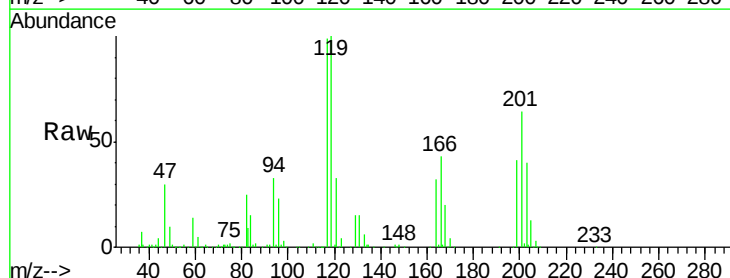
Acq: 18 Jun 2018 21:30

Tgt Ion: 117 Resp: 109121

Ion Ratio Lower Upper

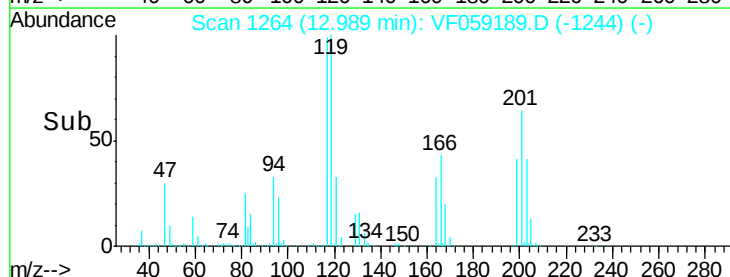
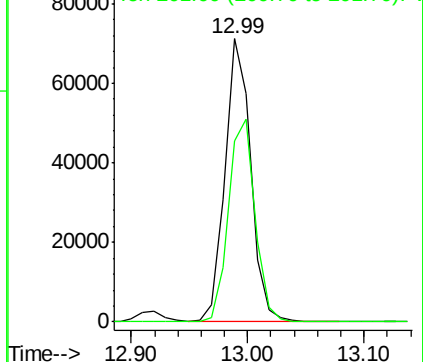
117 100

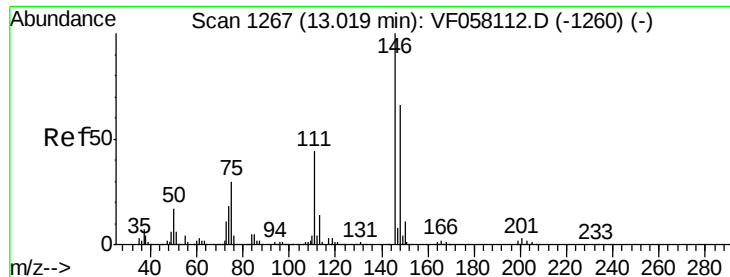
201 65.9 27.5 82.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

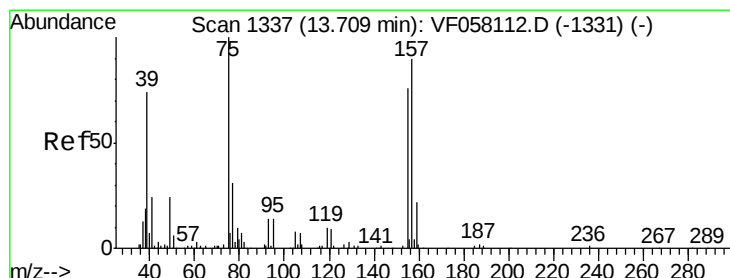
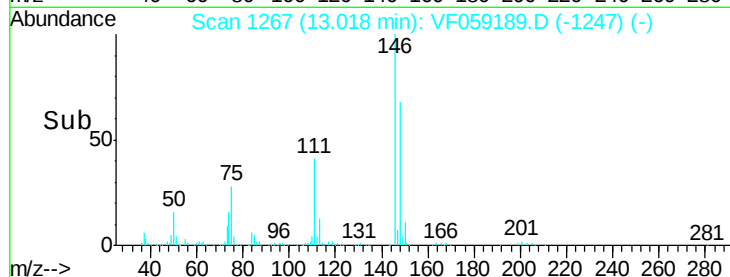
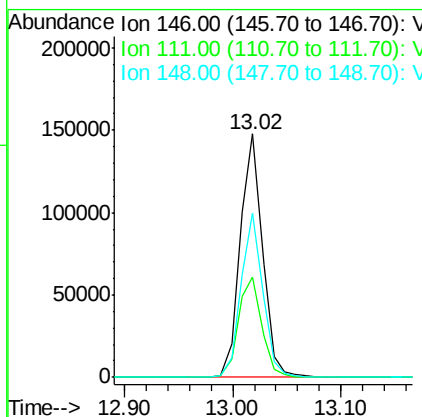
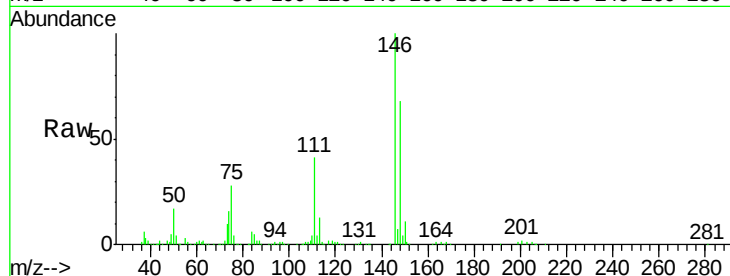




#91
 1,2-Dichlorobenzene
 Concen: 51.114 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VF059189.D
 Acq: 18 Jun 2018 21:30

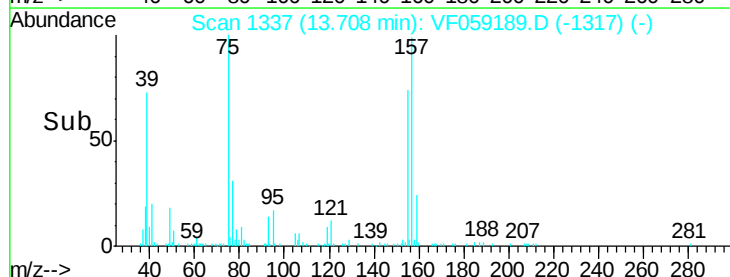
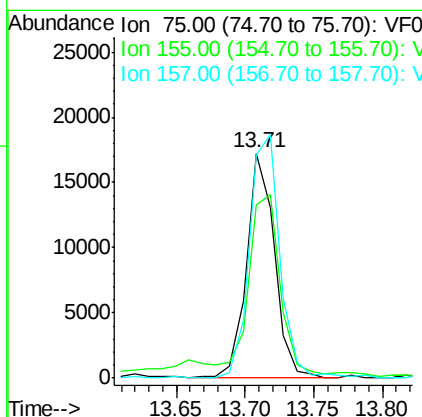
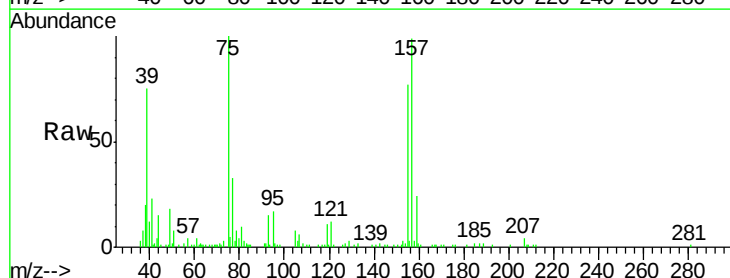
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

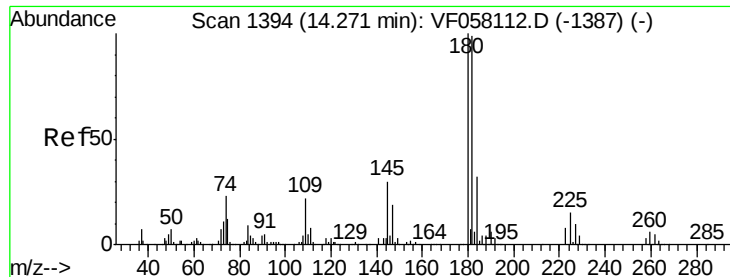
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	22.0	66.0
148	67.6	33.1	99.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.113 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VF059189.D
 Acq: 18 Jun 2018 21:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.0	38.0	114.0
157	99.1	45.1	135.5

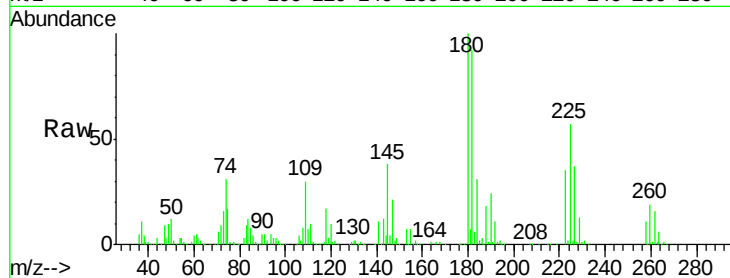




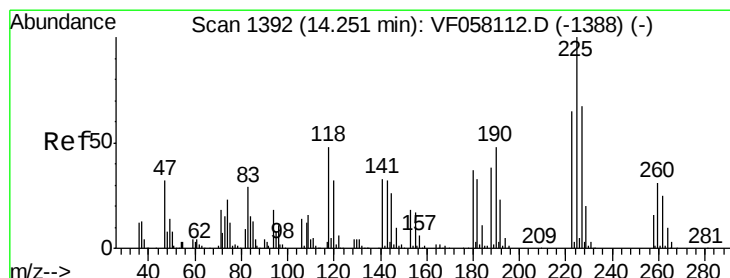
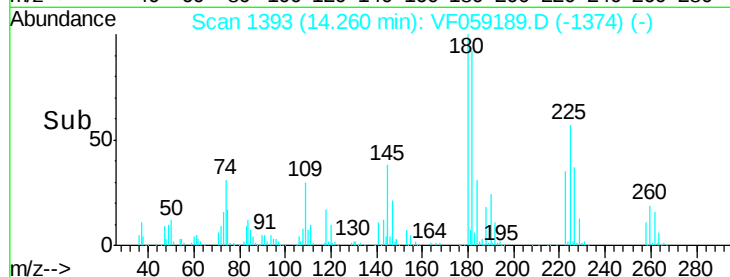
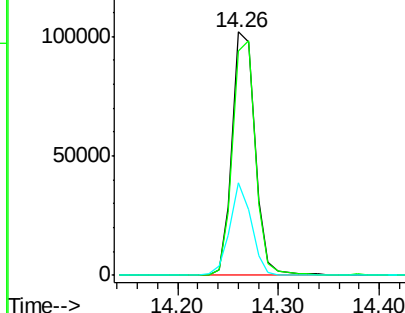
#93
 1,2,4-Trichlorobenzene
 Concen: 55.465 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059189.D
 Acq: 18 Jun 2018 21:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 161001
 Ion Ratio Lower Upper
 180 100
 182 92.2 49.3 147.9
 145 37.9 14.9 44.9

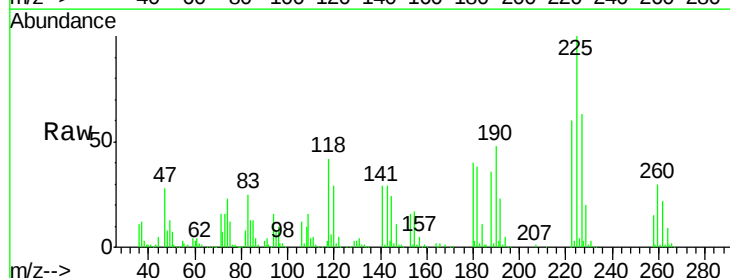


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

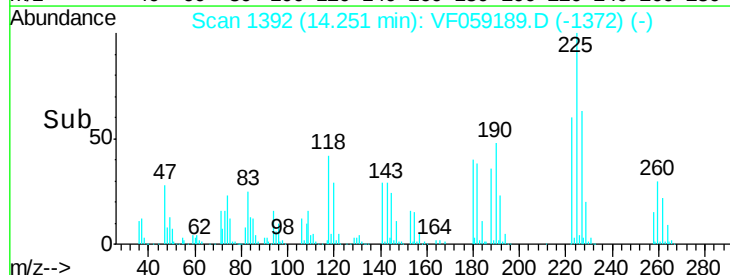
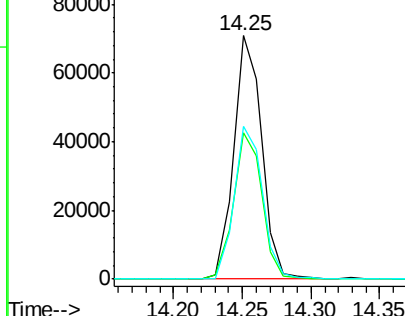


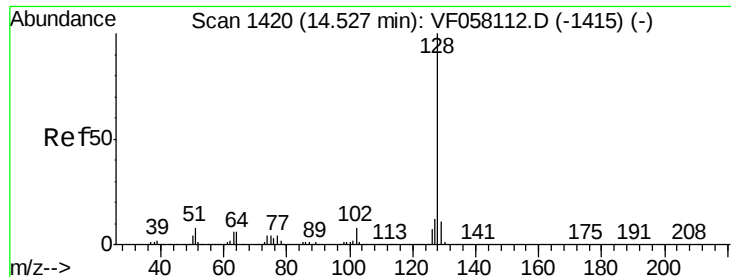
#94
 Hexachlorobutadiene
 Concen: 59.587 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF059189.D
 Acq: 18 Jun 2018 21:30

Tgt Ion:225 Resp: 100092
 Ion Ratio Lower Upper
 225 100
 223 60.2 32.8 98.3
 227 62.8 33.3 99.9



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

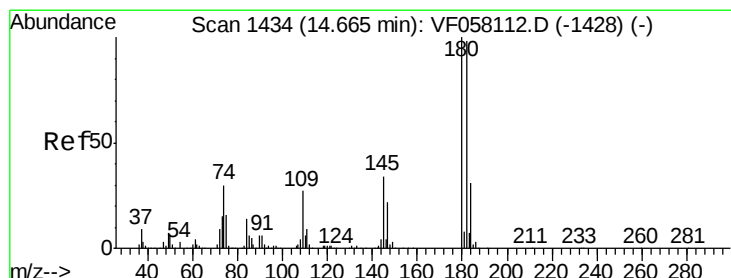
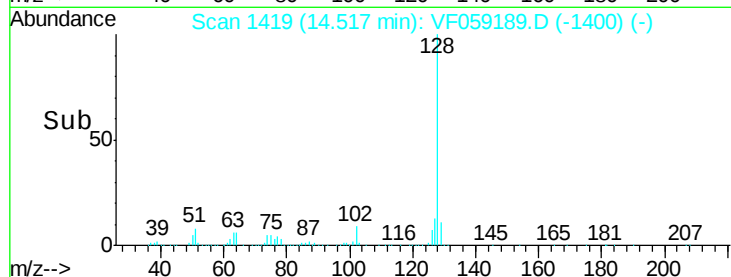
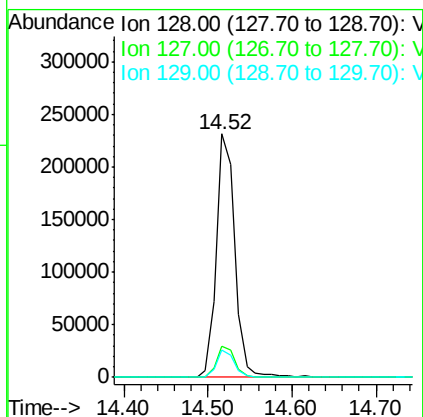
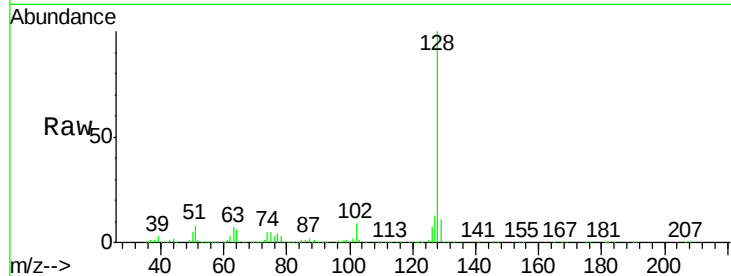




#95
Naphthalene
Concen: 57.290 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 355207
Ion Ratio Lower Upper
128 100
127 13.0 9.9 14.9
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 57.123 ug/l
RT: 14.66 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Tgt Ion:180 Resp: 153228
Ion Ratio Lower Upper
180 100
182 98.0 48.9 146.6
145 33.5 17.3 51.7

