

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059208.D
 Acq On : 20 Jun 2018 2:07
 Operator : VA/AP
 Sample : VF0619SBS02
 Misc : 5.40g/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 20 03:06:54 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	256160	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	407548	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	396398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	235236	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	174737	56.25	ug/l	0.00
Spiked Amount			Recovery	=	112.50%	
35) Dibromofluoromethane	4.28	113	163231	57.08	ug/l	-0.01
Spiked Amount			Recovery	=	114.16%	
50) Toluene-d8	7.71	98	403638	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	
62) 4-Bromofluorobenzene	11.50	95	218872	50.79	ug/l	-0.01
Spiked Amount			Recovery	=	101.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	59666	20.580	ug/l	94
3) Chloromethane	1.08	50	40416	17.996	ug/l	96
4) Vinyl Chloride	1.14	62	40445	19.962	ug/l	93
5) Bromomethane	1.34	94	26987	22.859	ug/l	89
6) Chloroethane	1.43	64	20304	24.152	ug/l	99
7) Trichlorofluoromethane	1.49	101	23096	7.333	ug/l	92
8) Diethyl Ether	1.70	74	18654	23.542	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.90	101	45054	22.446	ug/l	96
10) Methyl Iodide	1.96	142	77874	22.173	ug/l	99
11) Tert butyl alcohol	2.69	59	20892	104.956	ug/l	99
12) 1,1-Dichloroethene	1.85	96	37032	21.940	ug/l	94
13) Acrolein	2.09	56	12293	71.350	ug/l	86
14) Allyl chloride	2.19	41	70147	21.174	ug/l	97
15) Acrylonitrile	3.07	53	46894	118.617	ug/l	95
16) Acetone	2.33	43	76126	102.630	ug/l #	89
17) Carbon Disulfide	1.87	76	90573	19.112	ug/l	96
18) Methyl Acetate	2.45	43	34223	26.839	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	129610	24.736	ug/l	97
20) Methylene Chloride	2.27	84	24464	13.774	ug/l	94
21) trans-1,2-Dichloroethene	2.40	96	40033	21.627	ug/l	96
22) Diisopropyl ether	2.92	45	154176	23.675	ug/l	98
23) Vinyl Acetate	3.33	43	509255	118.603	ug/l	99
24) 1,1-Dichloroethane	2.99	63	92009	23.305	ug/l	98
25) 2-Butanone	4.50	43	121270	105.455	ug/l	99
26) 2,2-Dichloropropane	3.75	77	56925	19.874	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	62455	21.922	ug/l	91
28) Bromochloromethane	3.88	49	43038	24.219	ug/l #	90
29) Tetrahydrofuran	4.26	42	60494	119.386	ug/l	98
30) Chloroform	4.03	83	133595	23.654	ug/l	100
31) Cyclohexane	3.85	56	67161	19.473	ug/l	99
32) 1,1,1-Trichloroethane	4.27	97	97056	23.018	ug/l	96
36) 1,1-Dichloropropene	4.45	75	87065	22.040	ug/l	95
37) Ethyl Acetate	4.27	43	61627	25.248	ug/l #	96
38) Carbon Tetrachloride	4.17	117	101403	23.685	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	81108	20.143	ug/l	99
40) Benzene	4.80	78	195385	21.309	ug/l	97
41) Methacrylonitrile	4.92	41	26136	21.795	ug/l	94
42) 1,2-Dichloroethane	5.11	62	102281	24.872	ug/l	98
43) Isopropyl Acetate	7.10	43	69893	21.381	ug/l #	88
44) Trichloroethene	5.66	130	65501	22.863	ug/l	94
45) 1,2-Dichloropropane	6.39	63	55692	21.065	ug/l	95
46) Dibromomethane	6.25	93	45373	22.810	ug/l	96
47) Bromodichloromethane	6.54	83	103282	22.823	ug/l	99
48) Methyl methacrylate	6.87	41	44384	22.025	ug/l	93
49) 1,4-Dioxane	6.87	88	4550	296.244	ug/l #	87
51) 4-Methyl-2-Pentanone	8.40	43	266443	118.921	ug/l	99
52) Toluene	7.77	92	138475	20.968	ug/l	97
53) t-1,3-Dichloropropene	8.41	75	95854	21.872	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	103698	20.598	ug/l	92
55) 1,1,2-Trichloroethane	8.63	97	54269	22.676	ug/l	95
56) Ethyl methacrylate	8.75	69	61444	20.368	ug/l #	85
57) 1,3-Dichloropropane	9.00	76	97738	23.874	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	23316	108.094	ug/l	100
59) 2-Hexanone	9.63	43	199327	112.472	ug/l	91
60) Dibromochloromethane	8.86	129	78010	22.684	ug/l	93
61) 1,2-Dibromoethane	9.12	107	62600	22.511	ug/l	89
64) Tetrachloroethene	8.30	164	68557	23.580	ug/l	96
65) Chlorobenzene	9.93	112	171235	21.815	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	70846	22.689	ug/l	98
67) Ethyl Benzene	10.03	91	292409	21.439	ug/l	98
68) m/p-Xylenes	10.26	106	217779	42.648	ug/l	87
69) o-Xylene	10.82	106	114750	20.792	ug/l	92
70) Styrene	10.90	104	179075	21.445	ug/l	98
71) Bromoform	10.88	173	50554	23.841	ug/l #	87
73) Isopropylbenzene	11.22	105	347672	21.347	ug/l	99
74) N-amyl acetate	11.46	43	128349	22.062	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	82811	21.447	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	65384	22.928	ug/l	99
77) Bromobenzene	11.59	156	89121	21.743	ug/l	93
78) n-propylbenzene	11.69	91	410992	21.320	ug/l	99
79) 2-Chlorotoluene	11.81	91	242534	21.297	ug/l	95
80) 1,3,5-Trimethylbenzene	11.90	105	297713	22.086	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	36190	19.574	ug/l	91
82) 4-Chlorotoluene	11.98	91	251916	20.778	ug/l	93
83) tert-Butylbenzene	12.21	119	294045	21.969	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	302099	21.630	ug/l	94
85) sec-Butylbenzene	12.39	105	390016	21.445	ug/l	98
86) p-Isopropyltoluene	12.54	119	336716	22.541	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	168812	22.307	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	157249	21.563	ug/l	98
89) n-Butylbenzene	12.92	91	336291	19.758	ug/l	96
90) Hexachloroethane	12.99	117	78456	21.328	ug/l	90
91) 1,2-Dichlorobenzene	13.02	146	160190	21.973	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	17352	22.910	ug/l	98

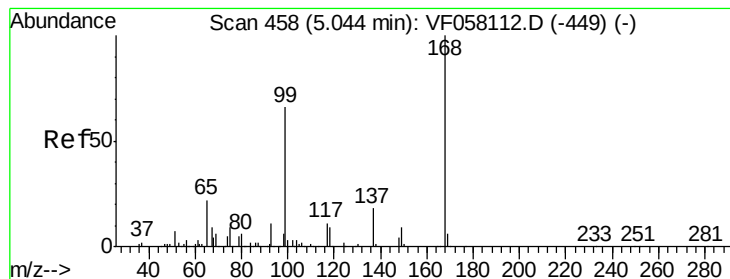
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Quant Title : SW846 8260
QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	117085	22.962	ug/l	95
94) Hexachlorobutadiene	14.25	225	65452	22.182	ug/l	99
95) Naphthalene	14.52	128	250970	23.043	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	115084	24.424	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

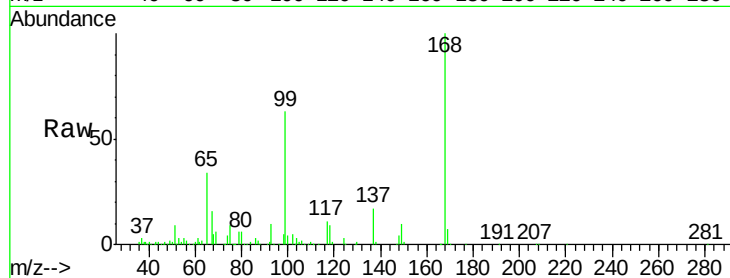
ClientSampleId :

Tot Ion:168 Resp: 256160

Ion Ratio Lower Upper

168 100

99 63.5 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

40000

20000

0

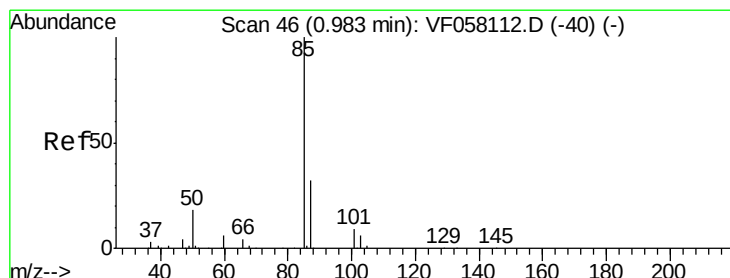
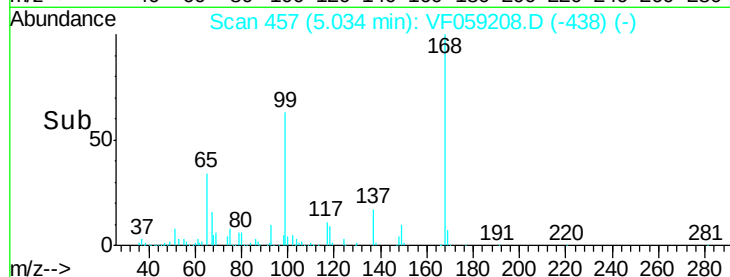
Time-->

4.90

5.00

5.10

5.20



#2

Dichlorodifluoromethane

Concen: 20.580 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059208.D

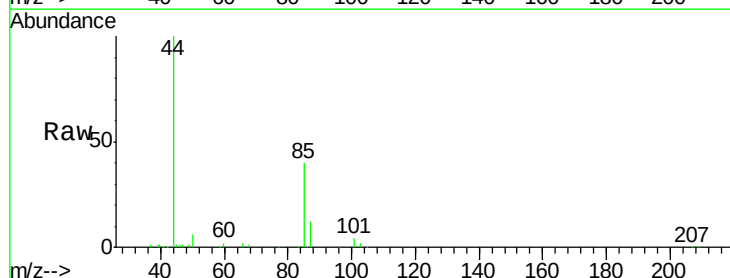
Acq: 20 Jun 2018 2:07

Tgt Ion: 85 Resp: 59666

Ion Ratio Lower Upper

85 100

87 29.3 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

20000

15000

10000

5000

0

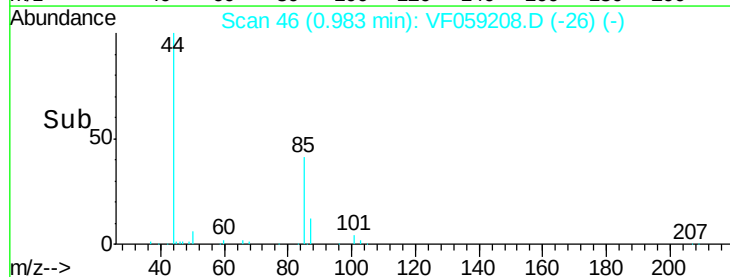
Time-->

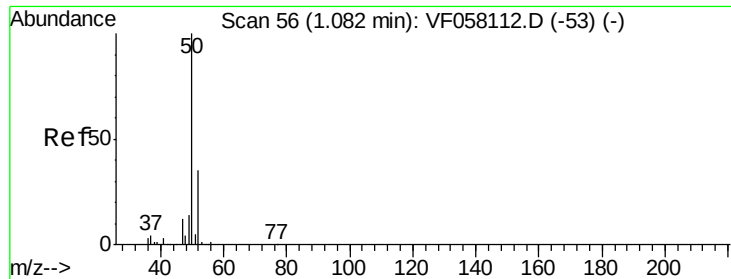
0.90

1.00

1.10

1.20





#3

Chloromethane

Concen: 17.996 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

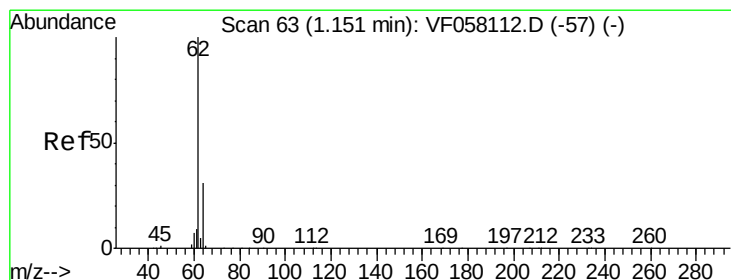
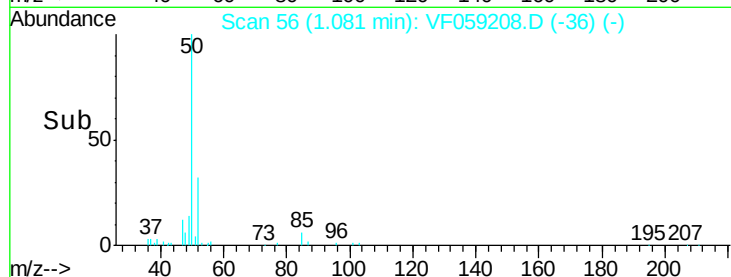
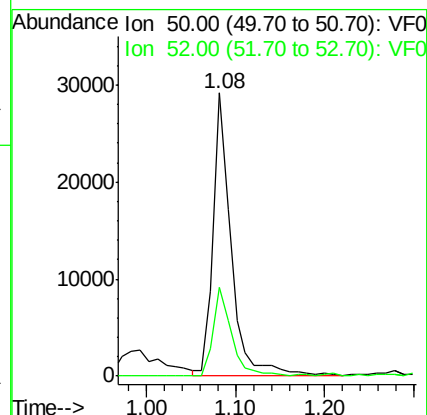
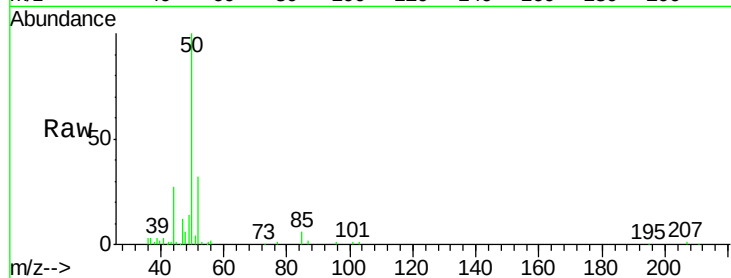
ClientSampleId :

Tot Ion: 50 Resp: 40416

Ion Ratio Lower Upper

50 100

52 31.6 27.3 40.9



#4

Vinyl Chloride

Concen: 19.962 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059208.D

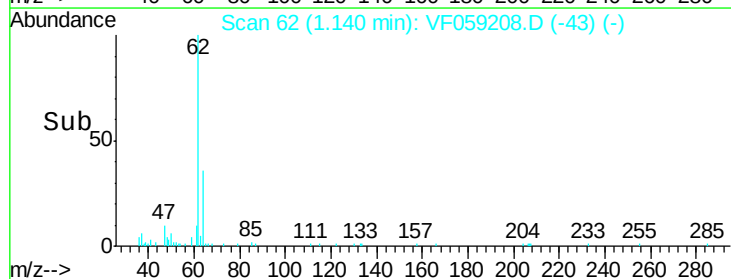
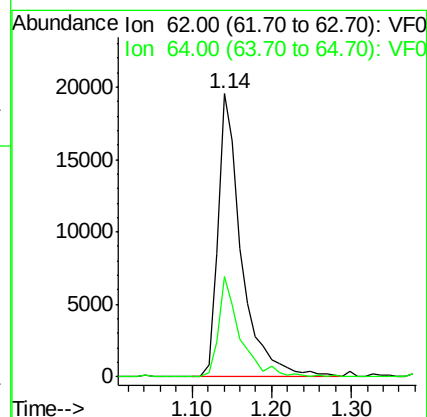
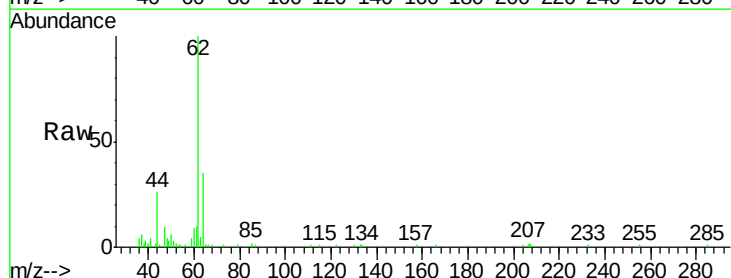
Acq: 20 Jun 2018 2:07

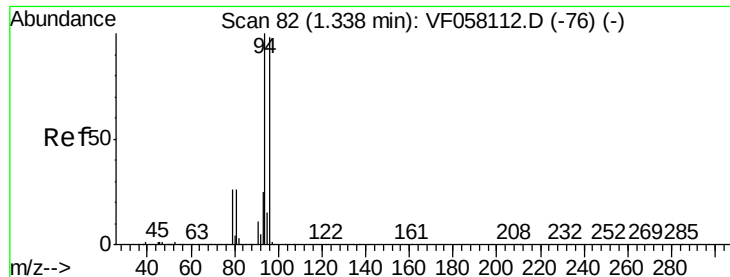
Tgt Ion: 62 Resp: 40445

Ion Ratio Lower Upper

62 100

64 35.3 25.0 37.6

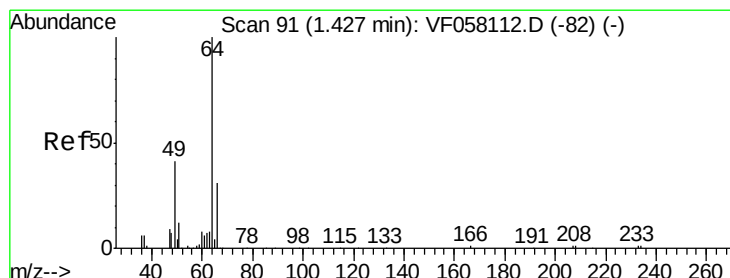
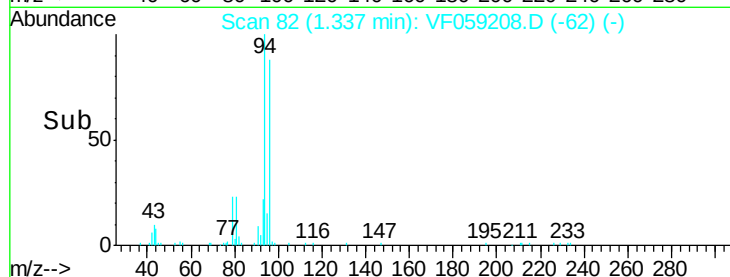
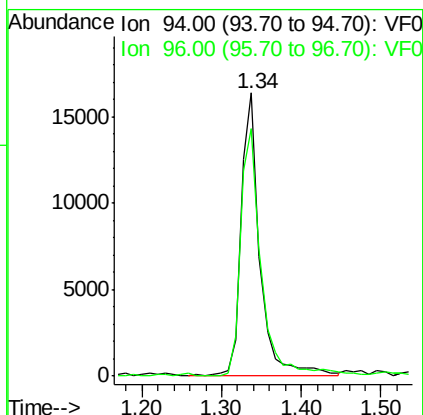
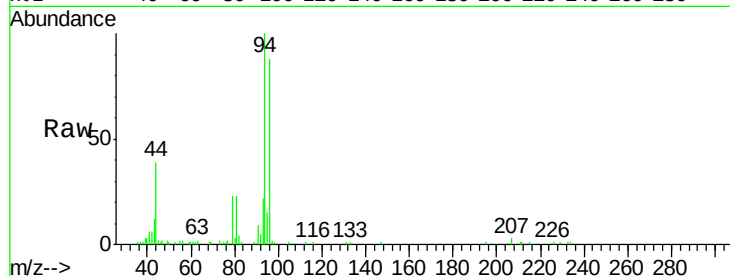




#5
Bromomethane
Concen: 22.859 ug/l
RT: 1.34 min Scan# 82
Delta R.T. -0.00 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

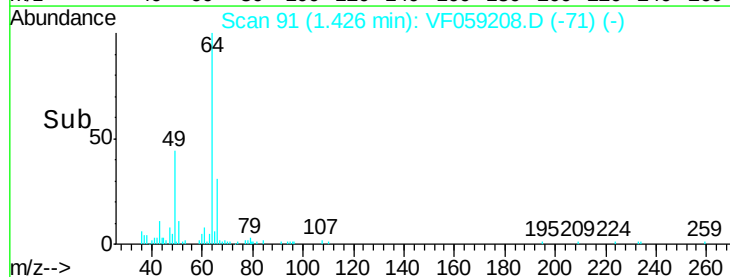
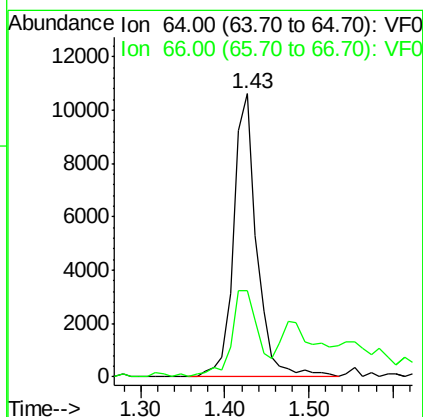
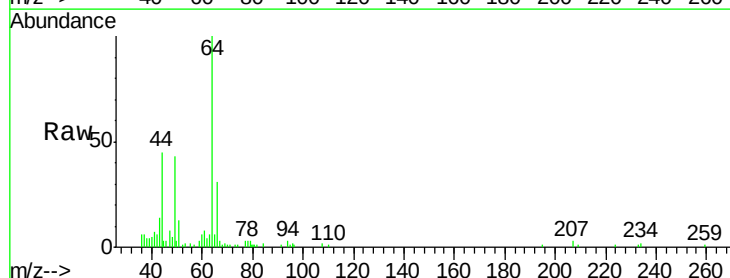
Instrument :
MSVOA_F
ClientSampled :

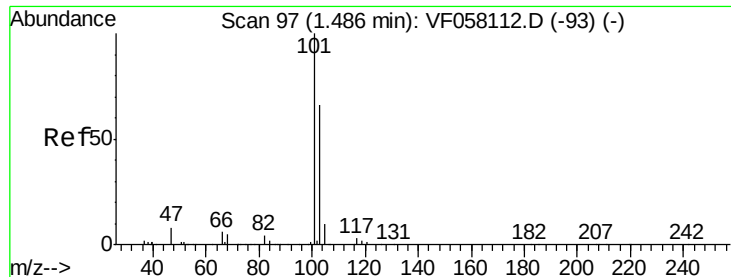
Tot Ion: 94 Resp: 26987
Ion Ratio Lower Upper
94 100
96 87.5 78.6 117.8



#6
Chloroethane
Concen: 24.152 ug/l
RT: 1.43 min Scan# 91
Delta R.T. -0.00 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Tgt Ion: 64 Resp: 20304
Ion Ratio Lower Upper
64 100
66 30.6 24.9 37.3





#7

Trichlorofluoromethane

Concen: 7.333 ug/l

RT: 1.49 min Scan# 97

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

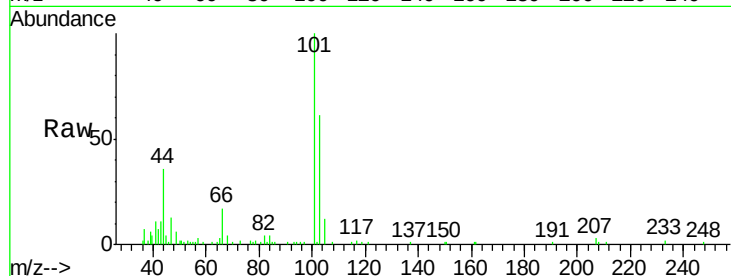
ClientSampled :

Tot Ion:101 Resp: 23096

Ion Ratio Lower Upper

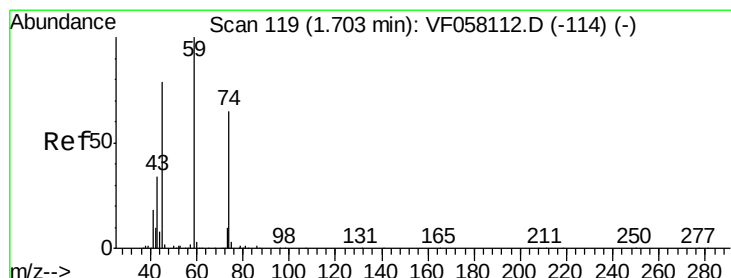
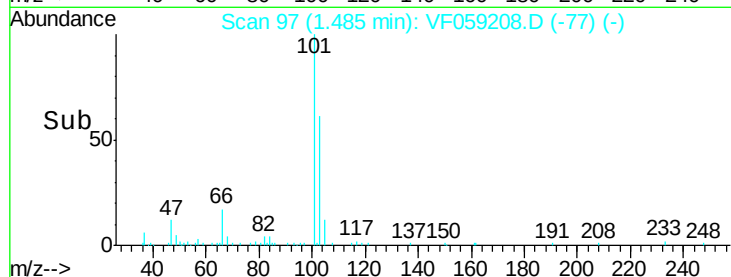
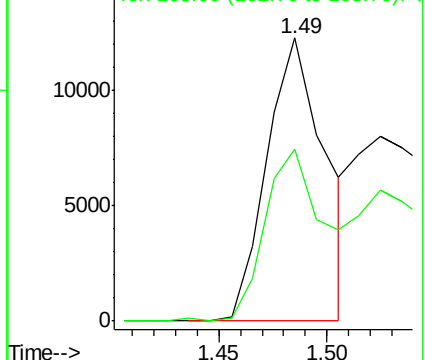
101 100

103 60.7 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: 23.542 ug/l

RT: 1.70 min Scan# 119

Delta R.T. -0.00 min

Lab File: VF059208.D

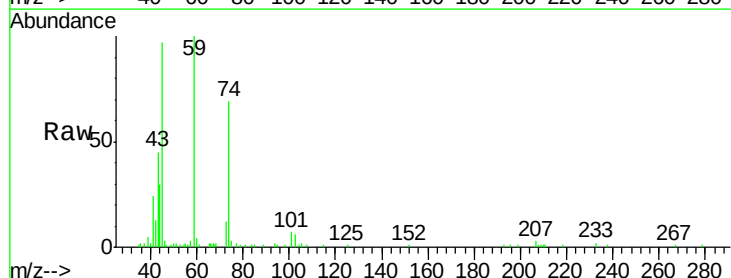
Acq: 20 Jun 2018 2:07

Tgt Ion: 74 Resp: 18654

Ion Ratio Lower Upper

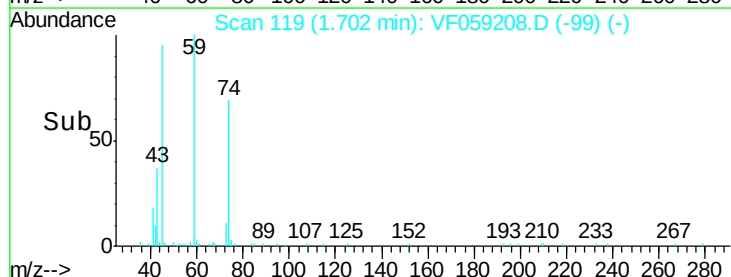
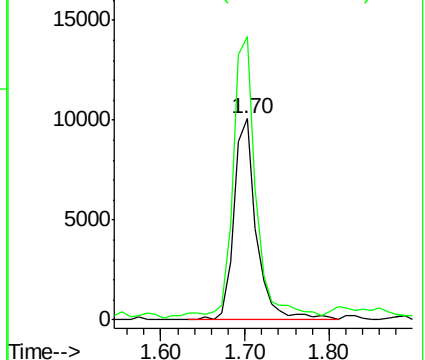
74 100

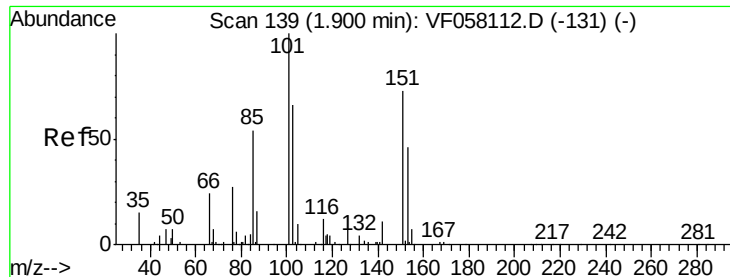
45 140.8 61.5 184.4



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: 22.446 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

ClientSampleId :

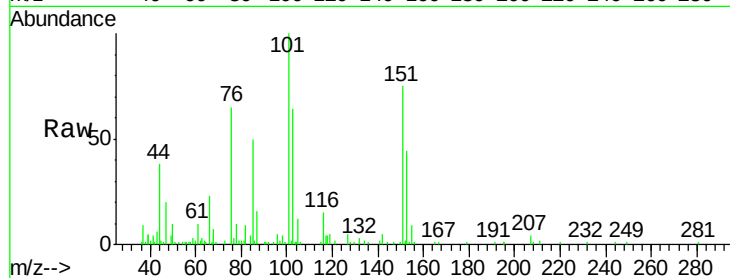
Tot Ion:101 Resp: 45054

Ion Ratio Lower Upper

101 100

85 50.5 42.2 63.4

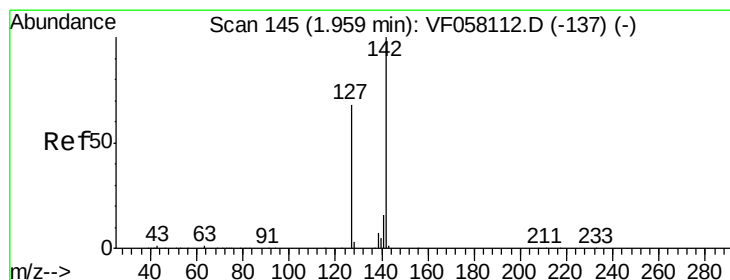
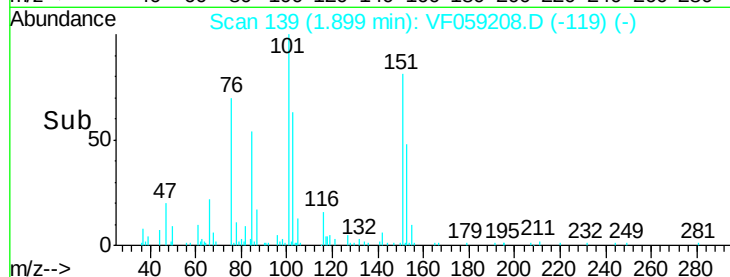
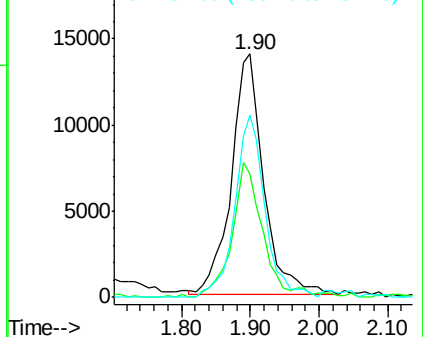
151 74.7 56.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 22.173 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

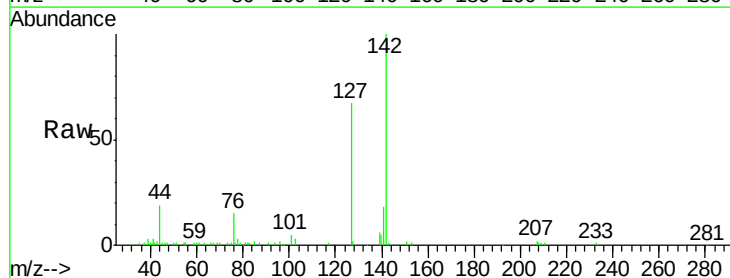
Tgt Ion:142 Resp: 77874

Ion Ratio Lower Upper

142 100

127 67.3 54.1 81.1

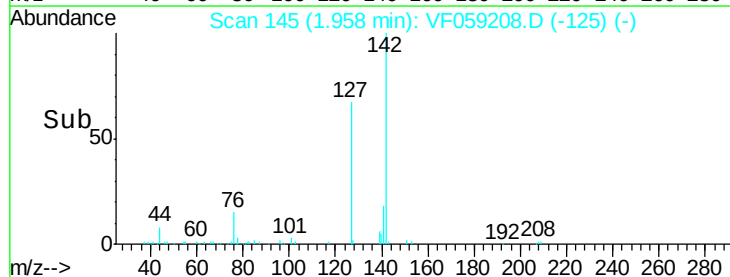
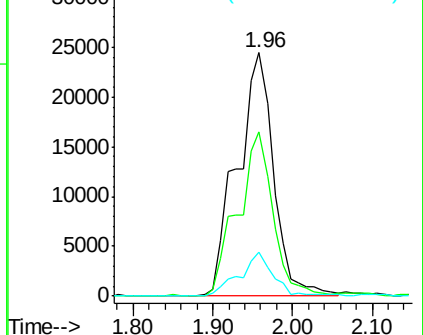
141 18.1 13.0 19.4

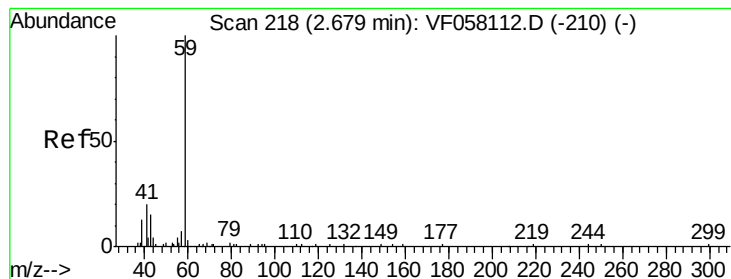


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



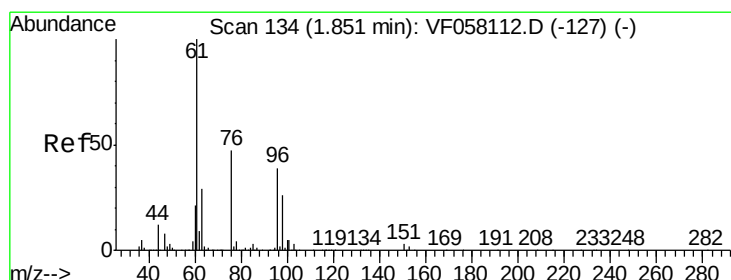
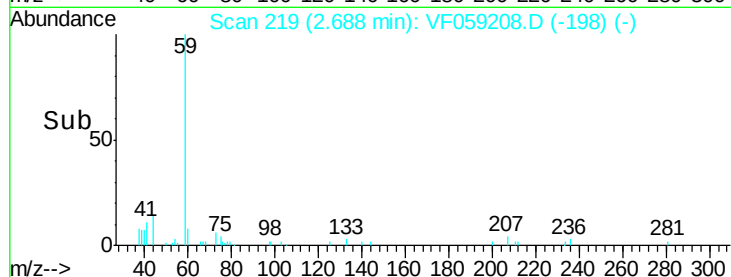
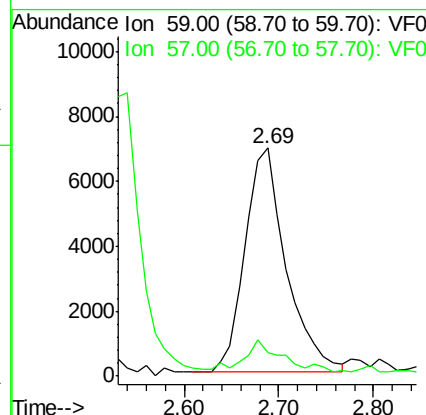
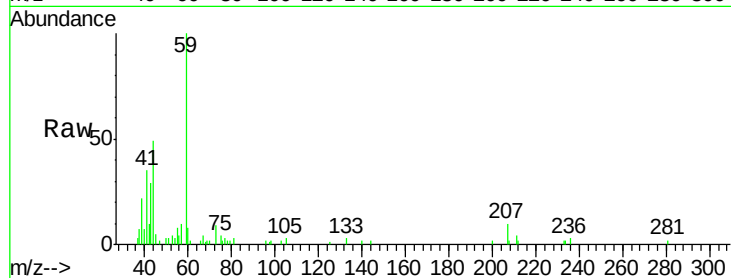


#11

Tert butyl alcohol
Concen: 104.956 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Instrument :
MSVOA_F
ClientSampleId :

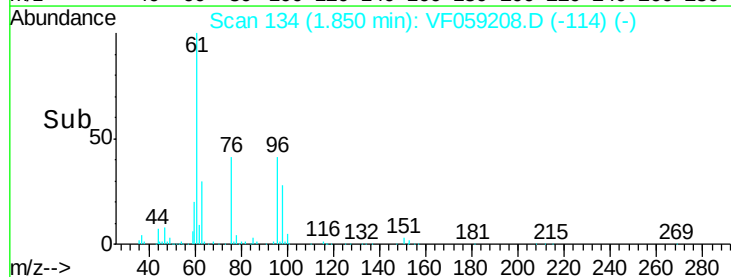
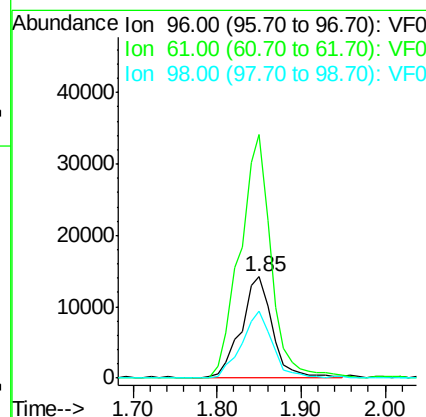
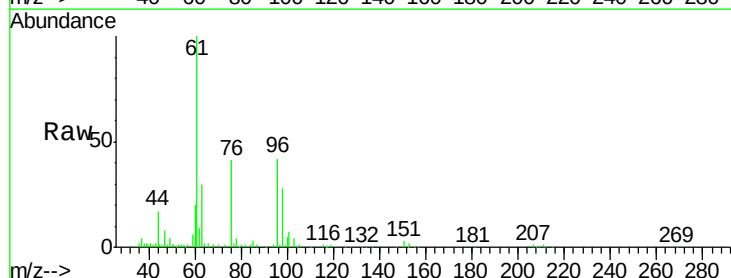
Tot Ion: 59 Resp: 20892
Ion Ratio Lower Upper
59 100
57 10.5 8.7 13.1

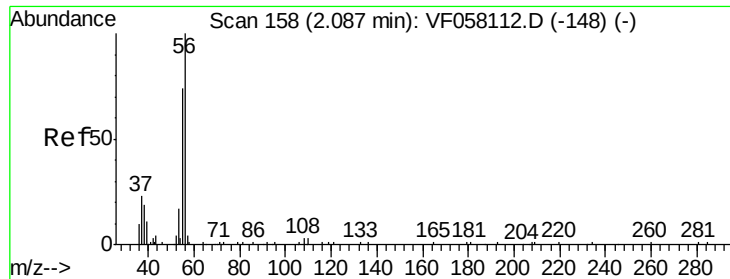


#12

1,1-Dichloroethene
Concen: 21.940 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.00 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Tgt Ion: 96 Resp: 37032
Ion Ratio Lower Upper
96 100
61 240.7 203.0 304.4
98 66.6 52.7 79.1





#13

Acrolein

Concen: 71.350 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

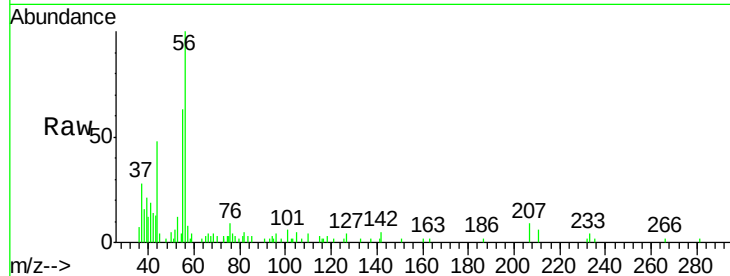
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 12293

Ion Ratio Lower Upper

56 100

55 63.2 60.0 90.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.09

6000

5000

4000

3000

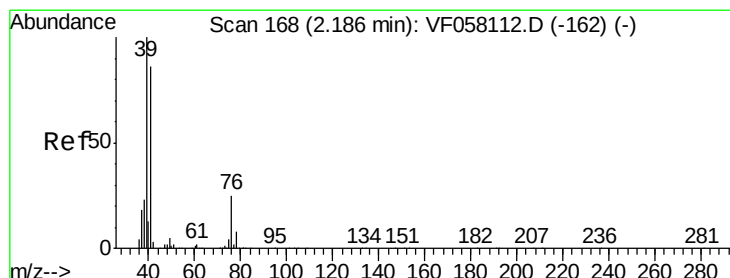
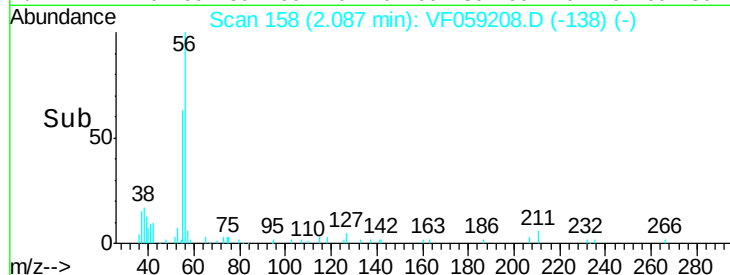
2000

1000

0

Time-->

2.00 2.10 2.20



#14

Allyl chloride

Concen: 21.174 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

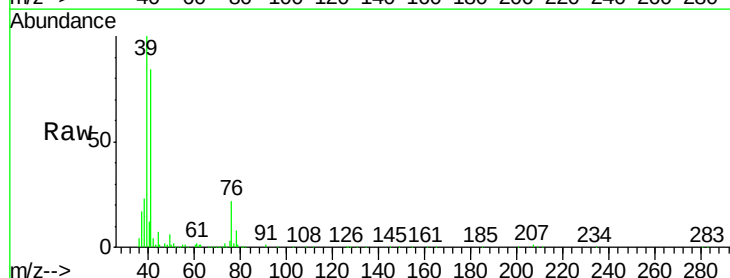
Tgt Ion: 41 Resp: 70147

Ion Ratio Lower Upper

41 100

39 118.8 93.5 140.3

76 25.6 23.9 35.9



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

2.19

50000

40000

30000

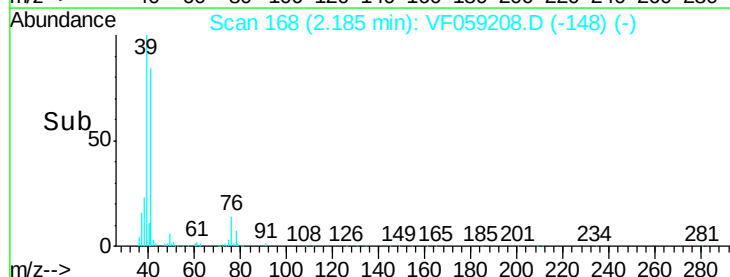
20000

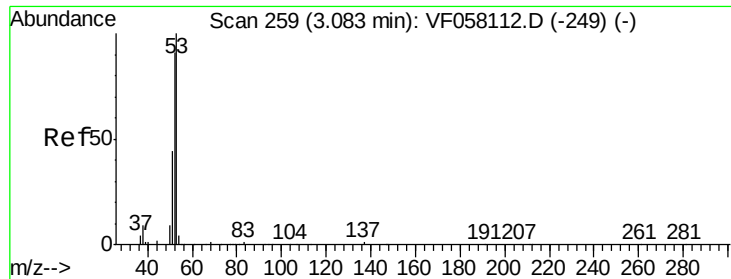
10000

0

Time-->

2.10 2.20 2.30





#15

Acrylonitrile

Concen: 118.617 ug/l

RT: 3.07 min Scan# 258

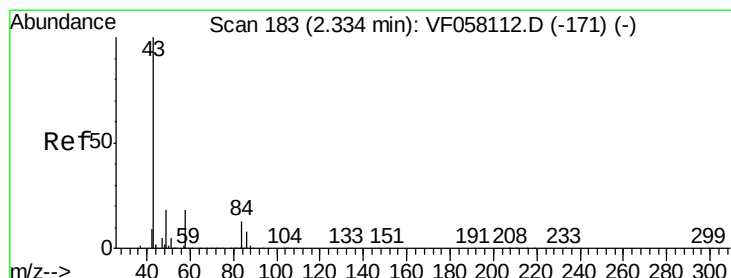
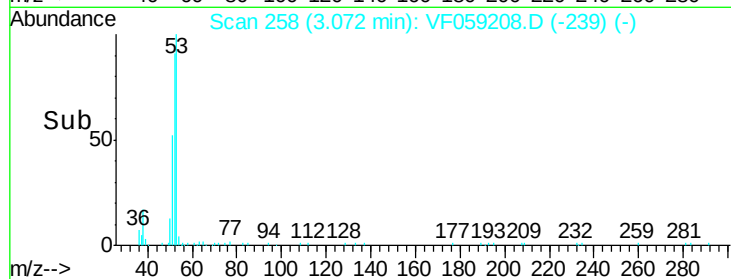
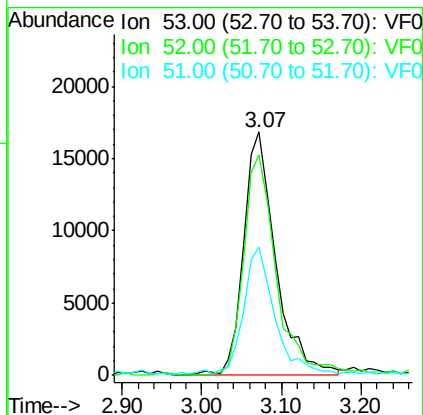
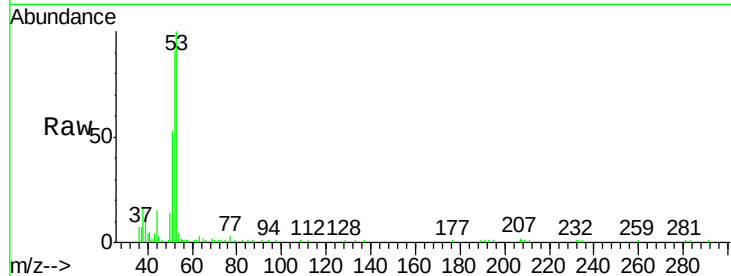
Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	46894
Ion	Ratio	Lower	Upper
53	100		
52	90.8	73.2	109.8
51	52.7	35.6	53.4



#16

Acetone

Concen: 102.630 ug/l

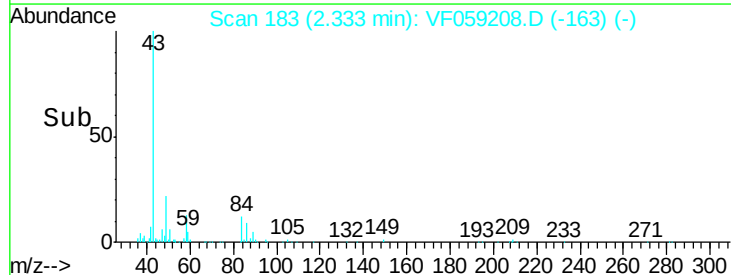
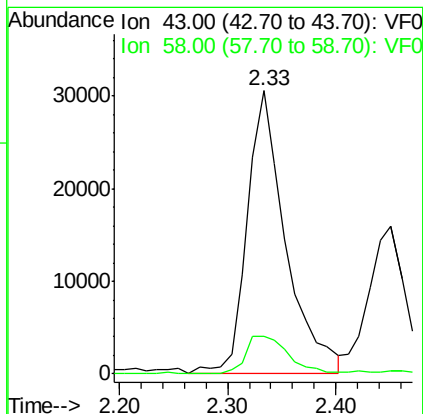
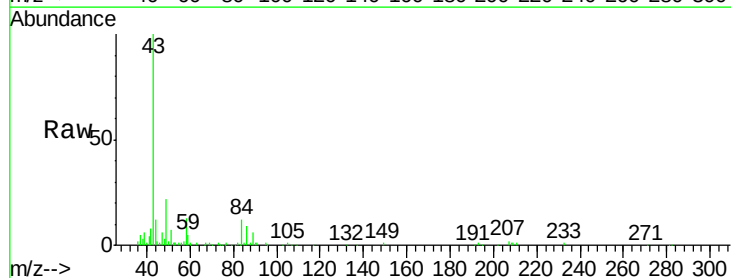
RT: 2.33 min Scan# 183

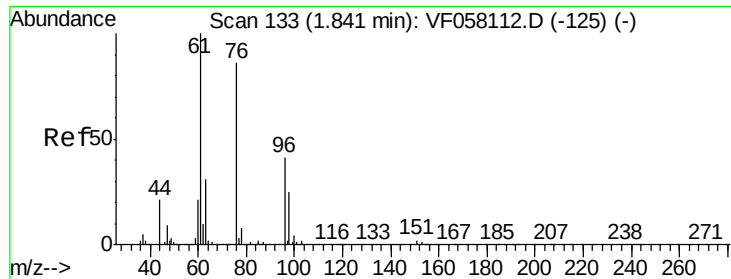
Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Tgt Ion:	43	Resp:	76126
Ion	Ratio	Lower	Upper
43	100		
58	13.3	14.4	21.6#





#17

Carbon Disulfide

Concen: 19.112 ug/l

RT: 1.87 min Scan# 136

Delta R.T. 0.03 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

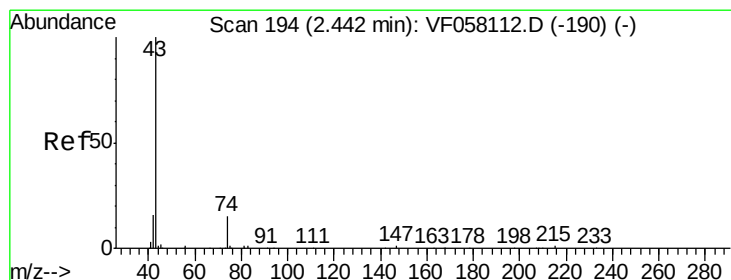
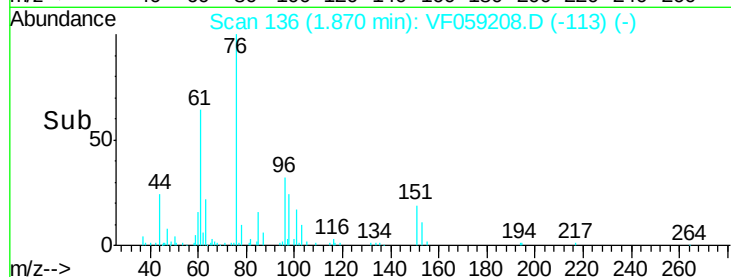
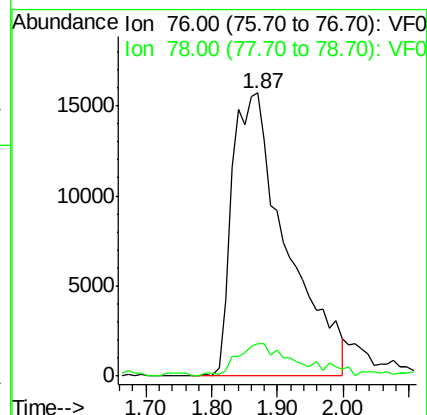
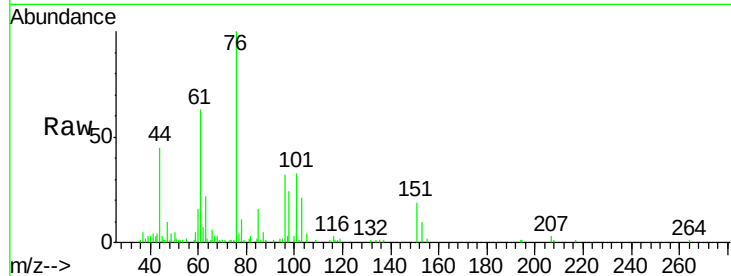
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 90573

Ion Ratio Lower Upper

76 100

78 11.3 7.8 11.8



#18

Methyl Acetate

Concen: 26.839 ug/l

RT: 2.45 min Scan# 195

Delta R.T. 0.01 min

Lab File: VF059208.D

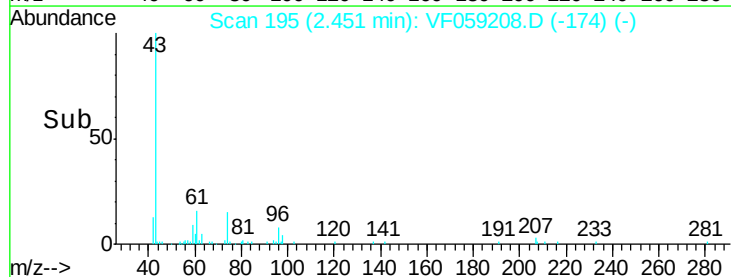
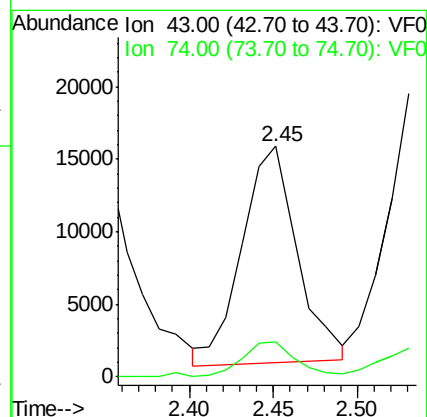
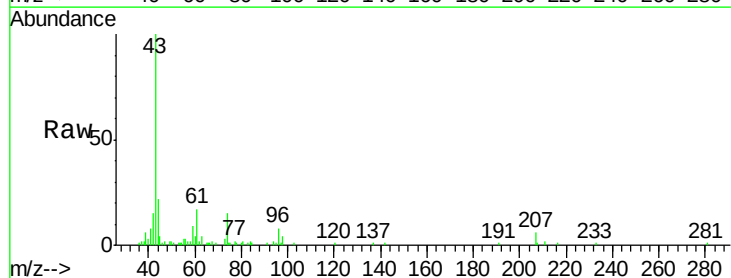
Acq: 20 Jun 2018 2:07

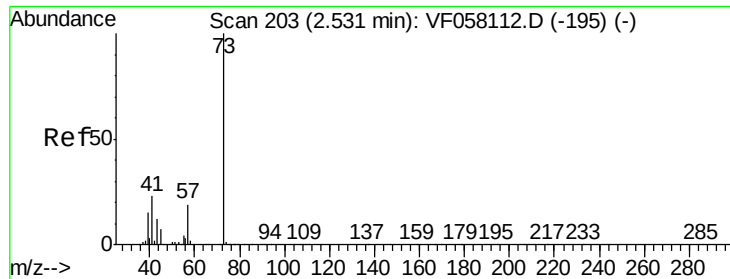
Tgt Ion: 43 Resp: 34223

Ion Ratio Lower Upper

43 100

74 15.2 10.9 16.3

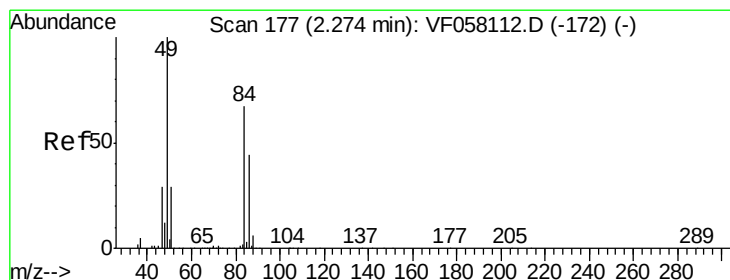
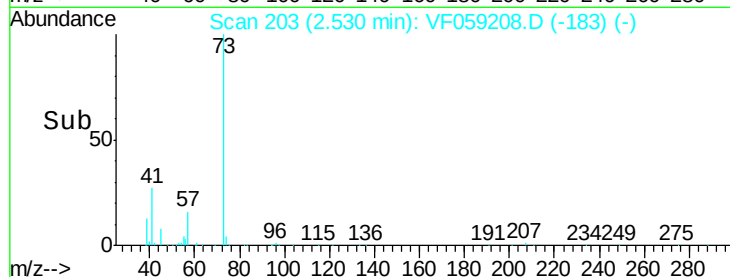
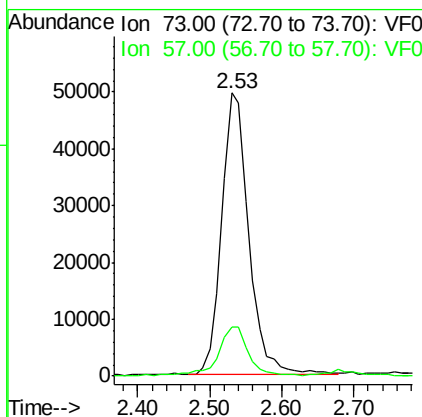
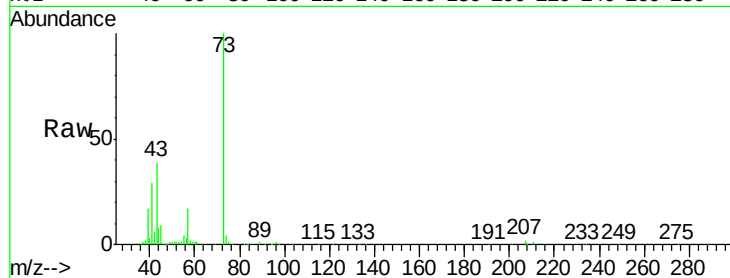




#19
Methyl tert-butyl Ether
Concen: 24.736 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.00 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

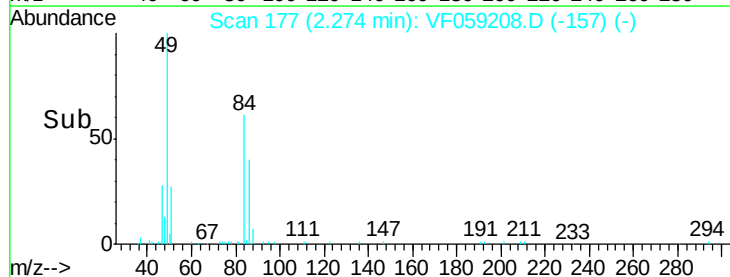
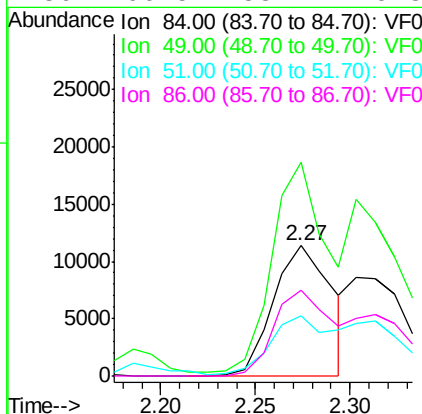
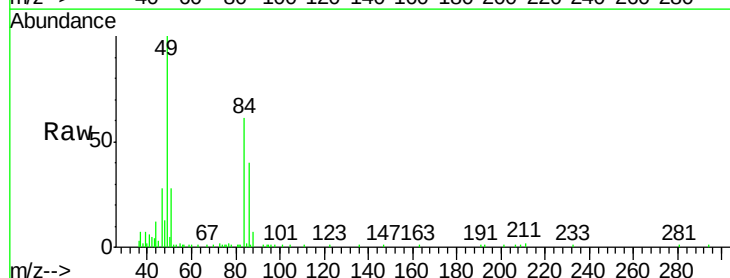
Instrument :
MSVOA_F
ClientSampled :

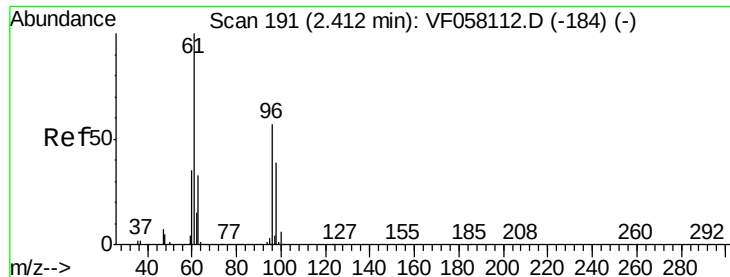
Tot Ion: 73 Resp: 129610
Ion Ratio Lower Upper
73 100
57 17.3 15.0 22.4



#20
Methylene Chloride
Concen: 13.774 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Tgt Ion: 84 Resp: 24464
Ion Ratio Lower Upper
84 100
49 164.3 121.0 181.4
51 46.4 35.8 53.6
86 66.5 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 21.627 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

ClientSampleId :

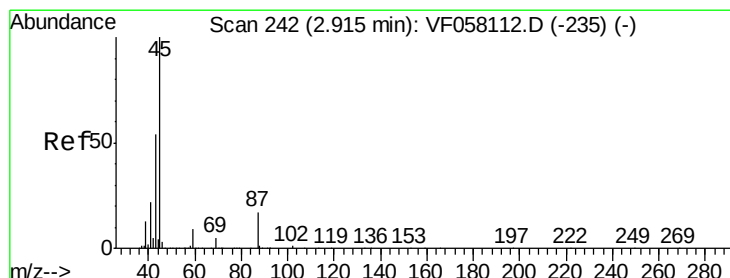
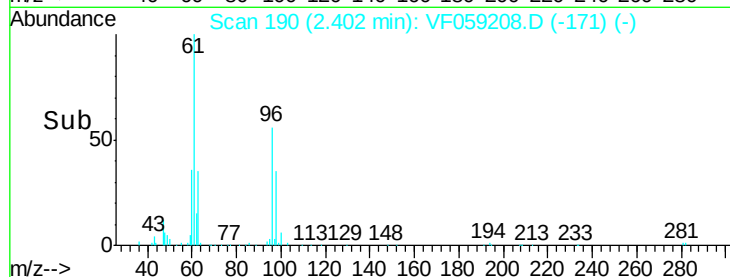
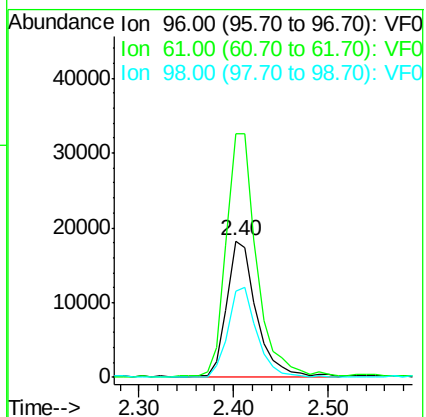
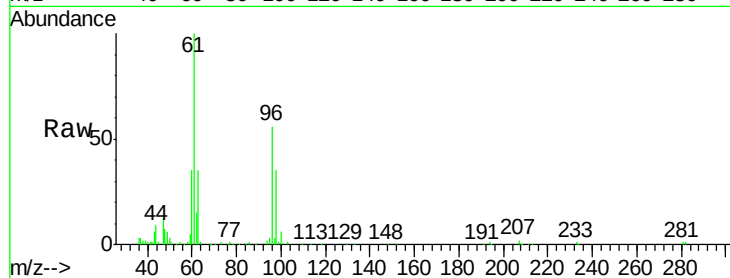
Tot Ion: 96 Resp: 40033

Ion Ratio Lower Upper

96 100

61 178.2 139.4 209.2

98 62.9 54.0 81.0



#22

Diisopropyl ether

Concen: 23.675 ug/l

RT: 2.92 min Scan# 243

Delta R.T. 0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Tgt Ion: 45 Resp: 154176

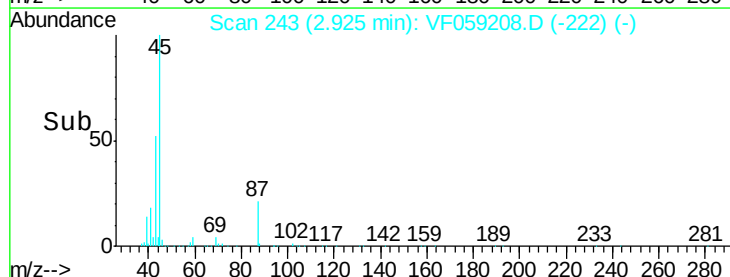
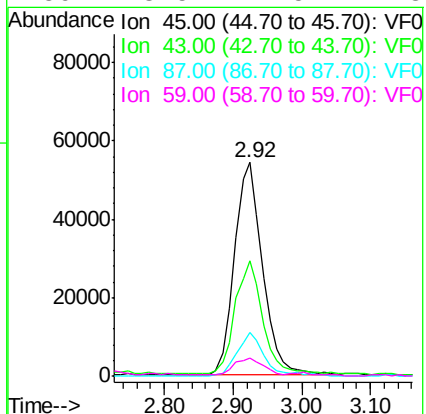
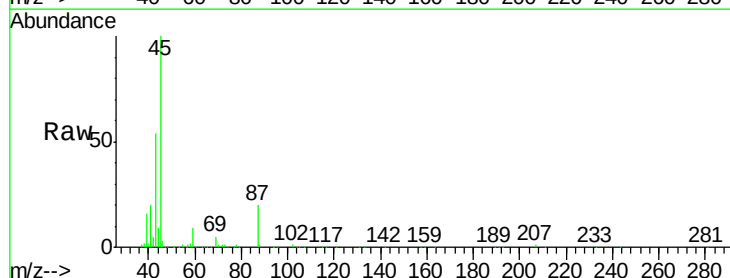
Ion Ratio Lower Upper

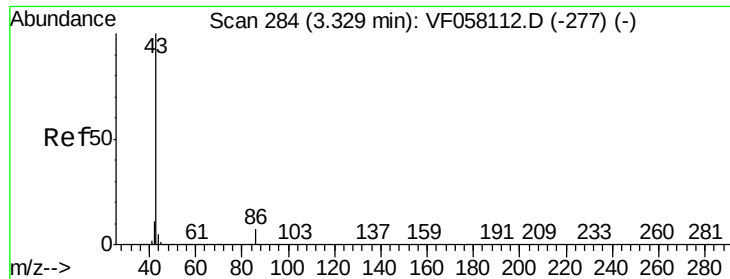
45 100

43 53.7 43.2 64.8

87 20.5 13.8 20.6

59 8.5 7.5 11.3





#23

Vinyl Acetate

Concen: 118.603 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

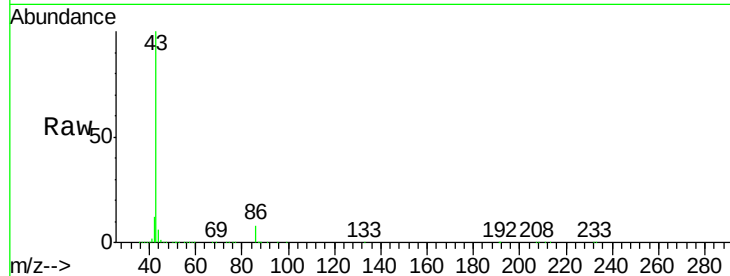
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 509255

Ion Ratio Lower Upper

43 100

86 7.7 6.0 9.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.33

200000

150000

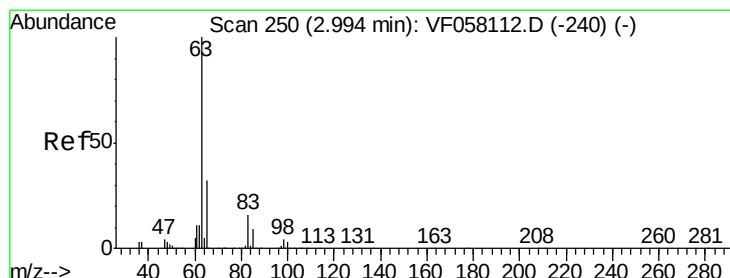
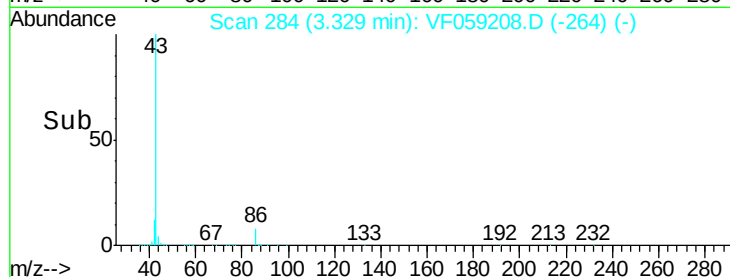
100000

50000

0

Time-->

3.20 3.30 3.40 3.50



#24

1,1-Dichloroethane

Concen: 23.305 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

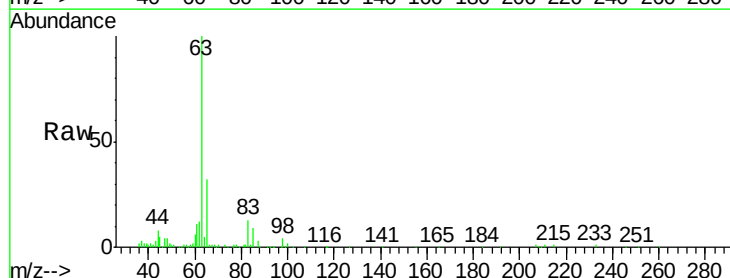
Tgt Ion: 63 Resp: 92009

Ion Ratio Lower Upper

63 100

98 4.3 2.0 6.0

100 1.8 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

2.99

40000

30000

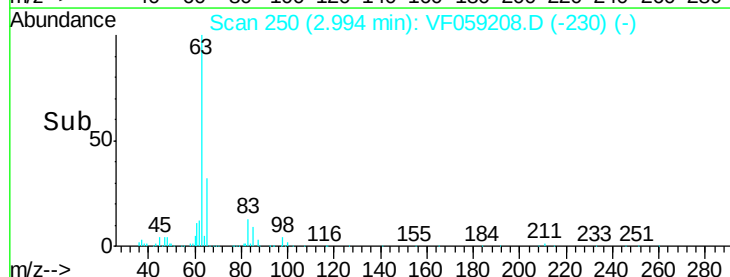
20000

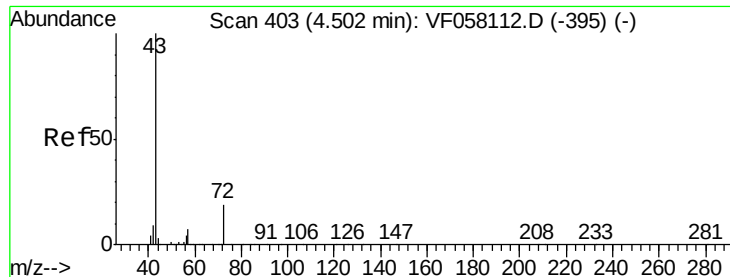
10000

0

Time-->

2.90 3.00 3.10





#25

2-Butanone

Concen: 105.455 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

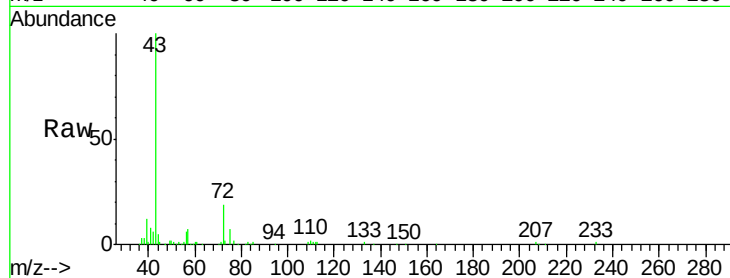
ClientSampleId :

Tot Ion: 43 Resp: 121270

Ion Ratio Lower Upper

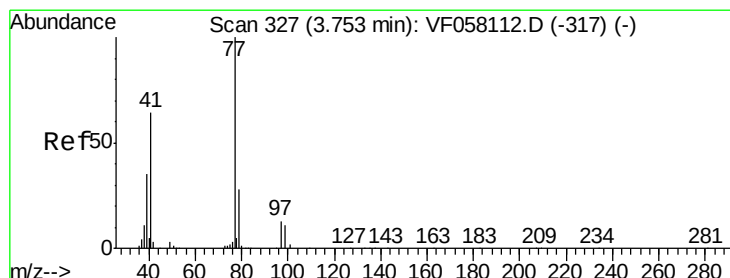
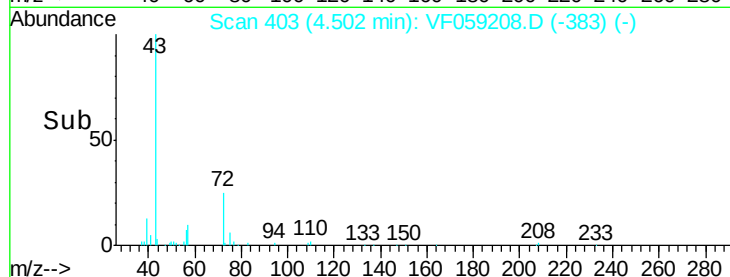
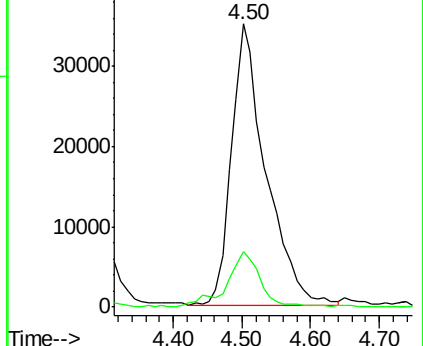
43 100

72 19.4 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 19.874 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.00 min

Lab File: VF059208.D

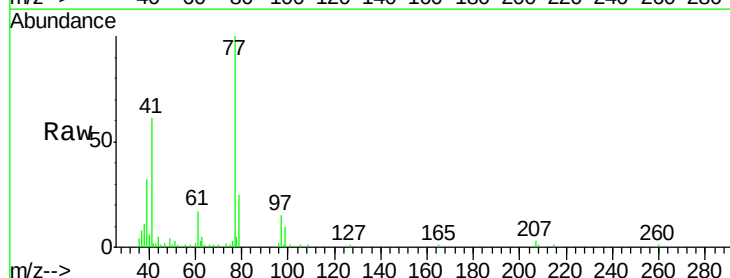
Acq: 20 Jun 2018 2:07

Tgt Ion: 77 Resp: 56925

Ion Ratio Lower Upper

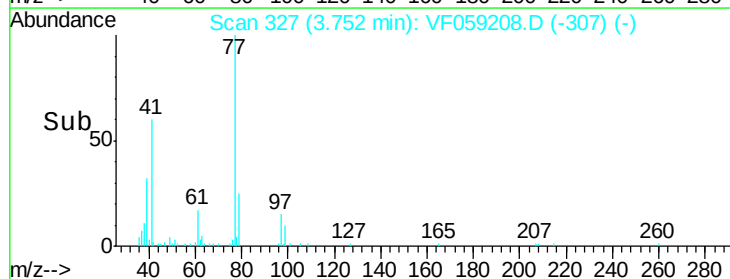
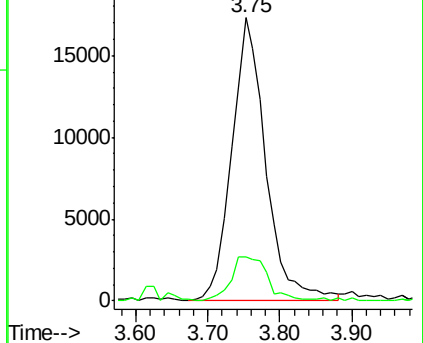
77 100

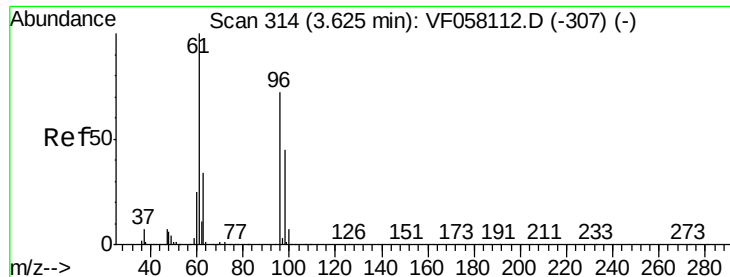
97 15.4 7.2 21.6



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



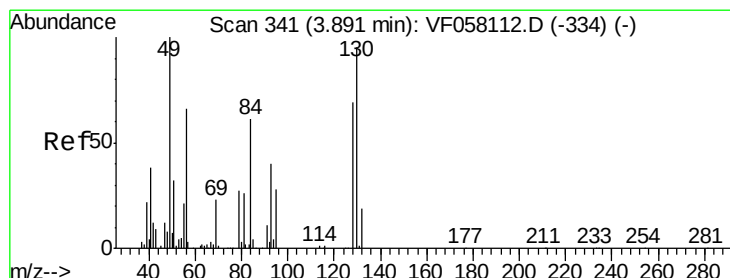
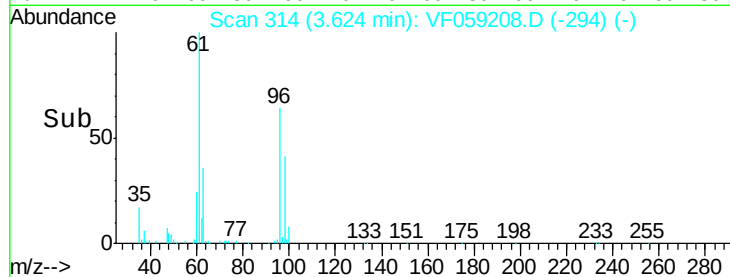
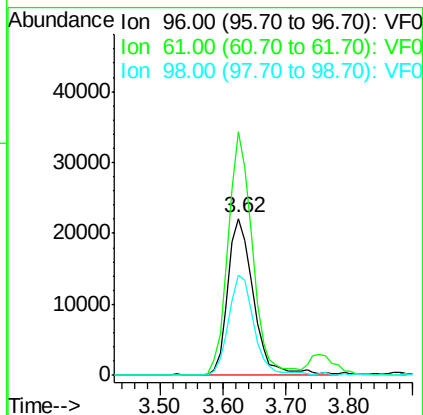
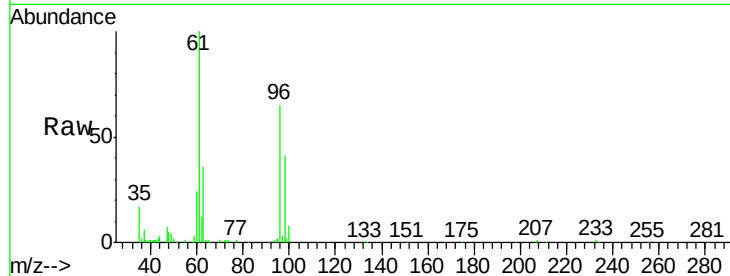


#27

cis-1,2-Dichloroethene
Concen: 21.922 ug/l
RT: 3.62 min Scan# 314
Delta R.T. -0.00 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Instrument :
MSVOA_F
ClientSampled :

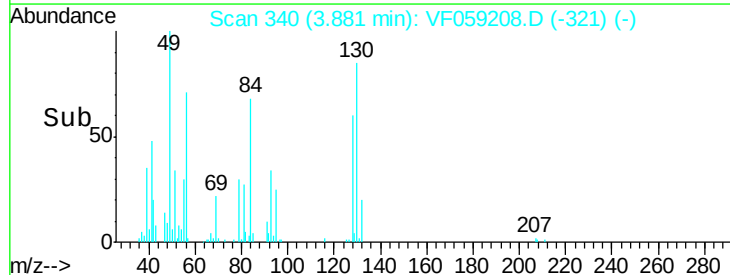
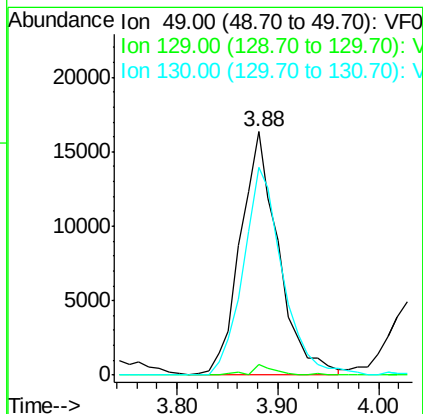
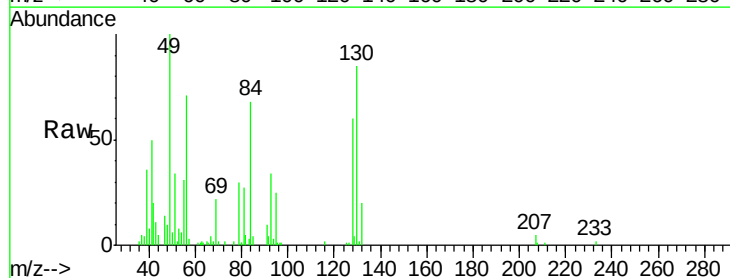
Tot Ion	Ratio	Lower	Upper
96	100		
61	154.9	0.0	278.6
98	63.8	0.0	125.2

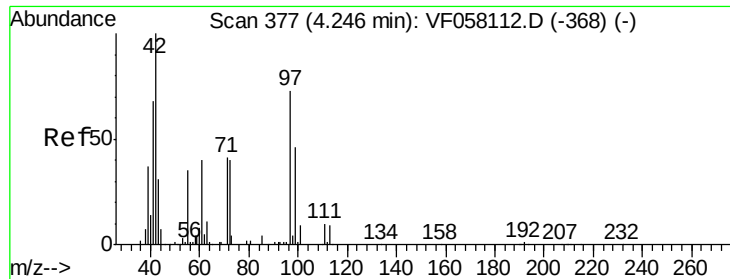


#28

Bromochloromethane
Concen: 24.219 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	4.2	0.0	0.0#
130	85.4	75.8	113.8





#29

Tetrahydrofuran

Concen: 119.386 ug/l

RT: 4.26 min Scan# 378

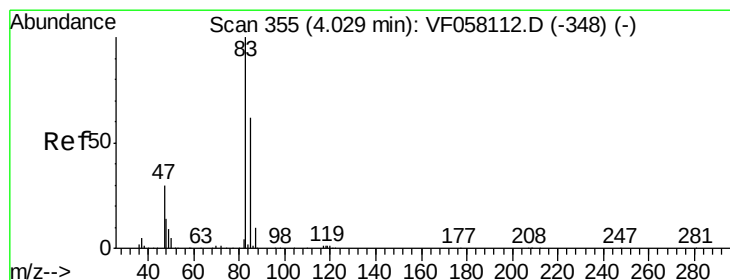
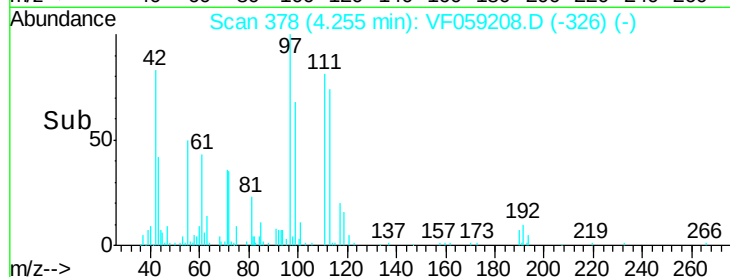
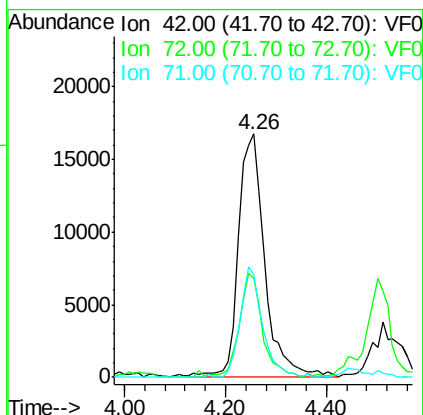
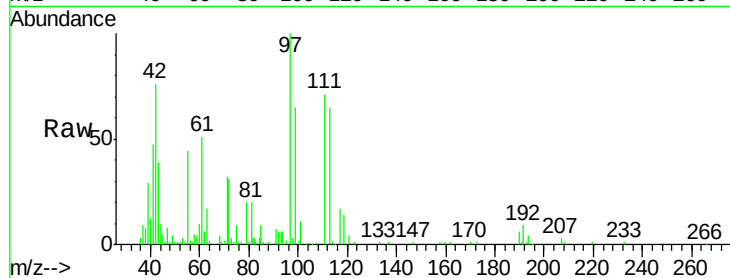
Delta R.T. 0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	42	Resp:	60494
Ion	Ratio	Lower	Upper
42	100		
72	37.1	30.5	45.7
71	38.4	31.5	47.3



#30

Chloroform

Concen: 23.654 ug/l

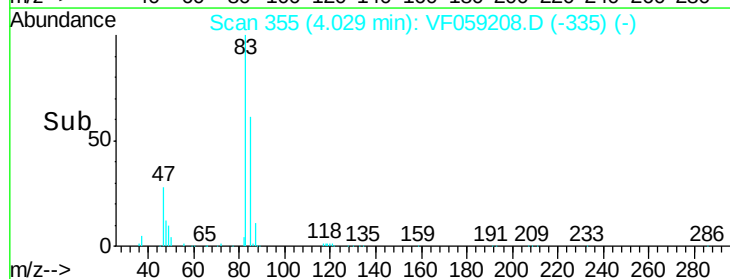
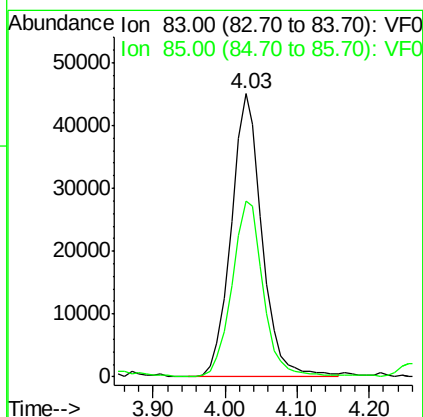
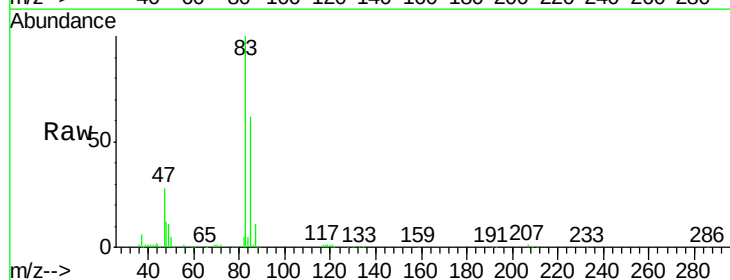
RT: 4.03 min Scan# 355

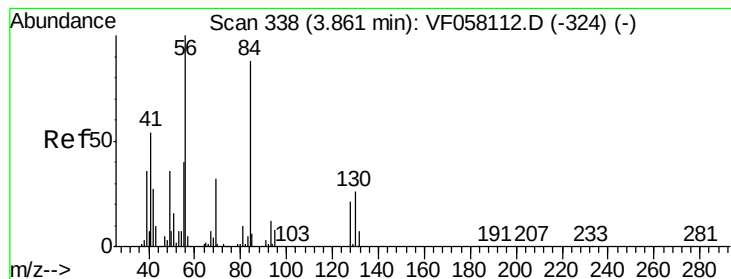
Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Tgt Ion:	83	Resp:	133595
Ion	Ratio	Lower	Upper
83	100		
85	62.2	49.5	74.3





#31

Cyclohexane

Concen: 19.473 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

ClientSampleId :

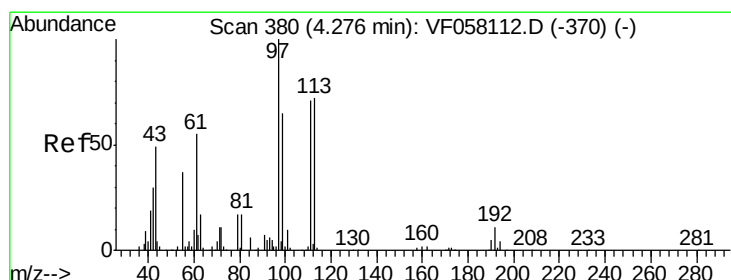
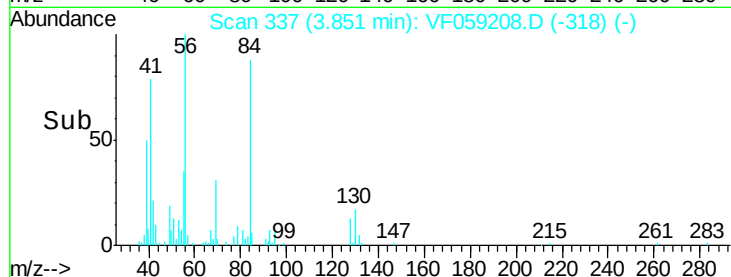
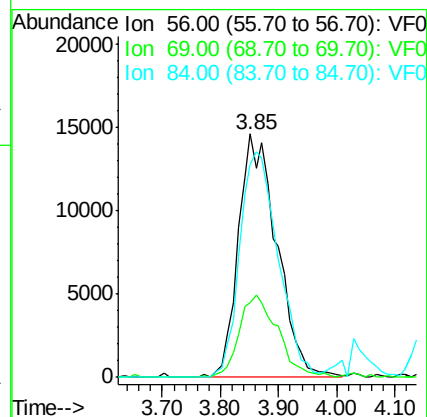
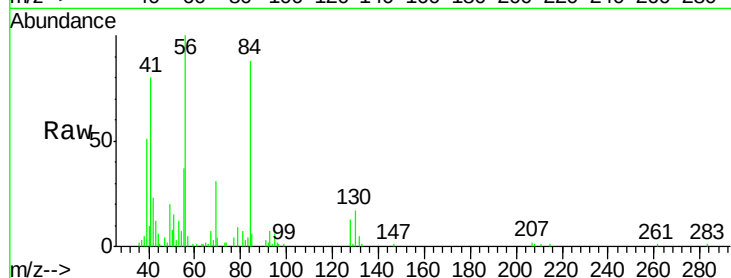
Tot Ion: 56 Resp: 67161

Ion Ratio Lower Upper

56 100

69 30.7 25.9 38.9

84 87.6 70.3 105.5



#32

1,1,1-Trichloroethane

Concen: 23.018 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

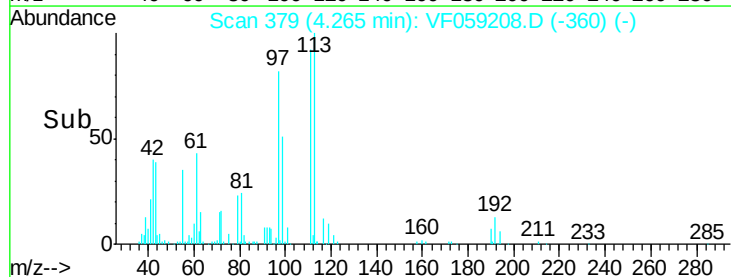
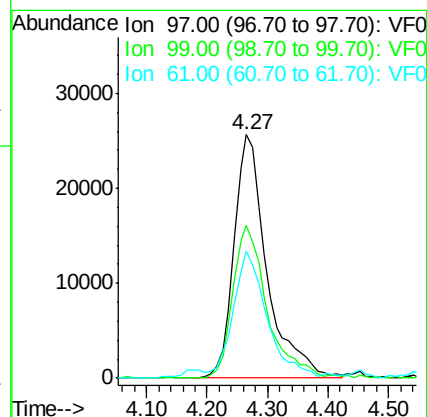
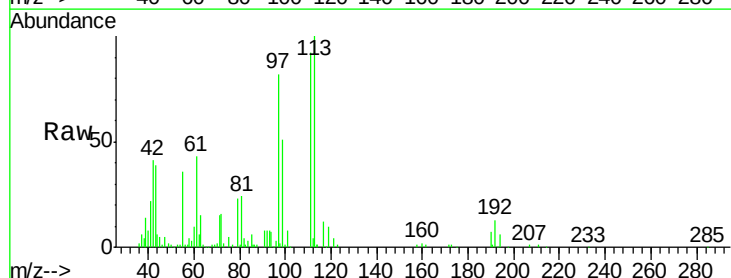
Tgt Ion: 97 Resp: 97056

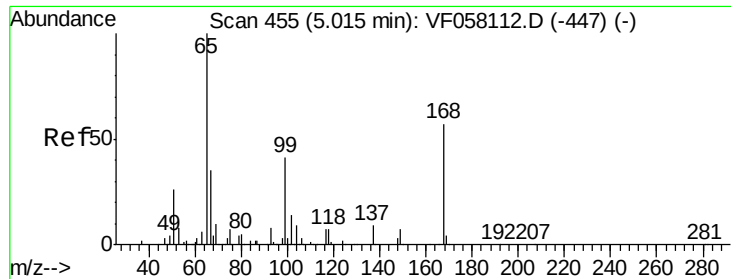
Ion Ratio Lower Upper

97 100

99 62.7 52.0 78.0

61 52.1 44.3 66.5

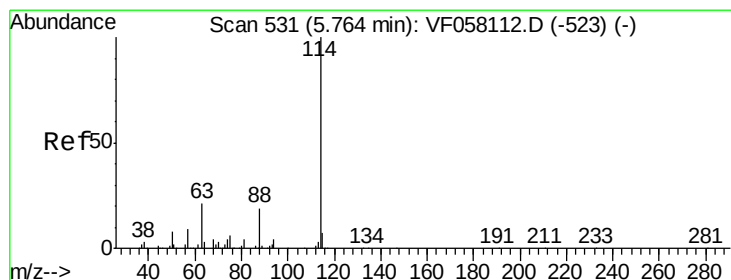
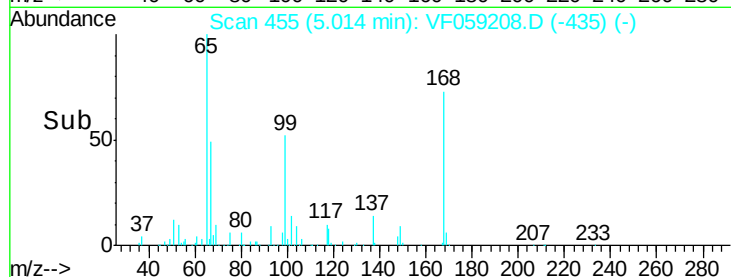
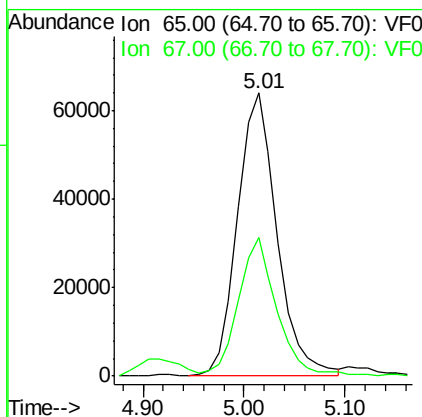
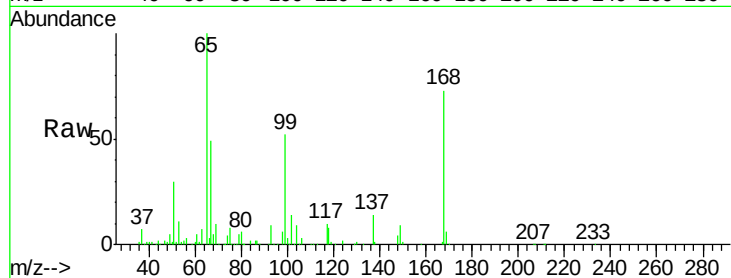




#33
 1,2-Dichloroethane-d4
 Concen: 56.245 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VF059208.D
 Acq: 20 Jun 2018 2:07

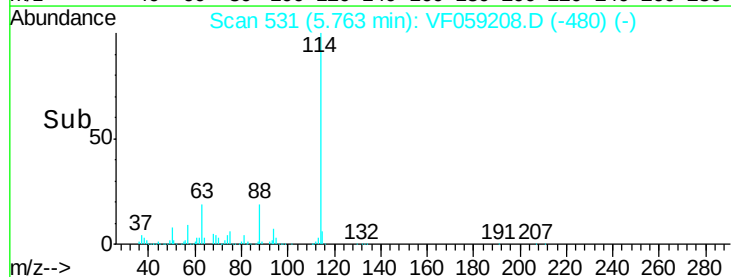
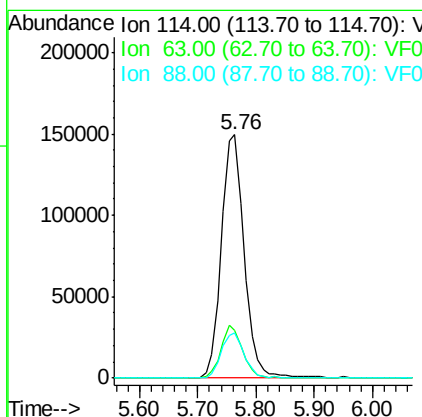
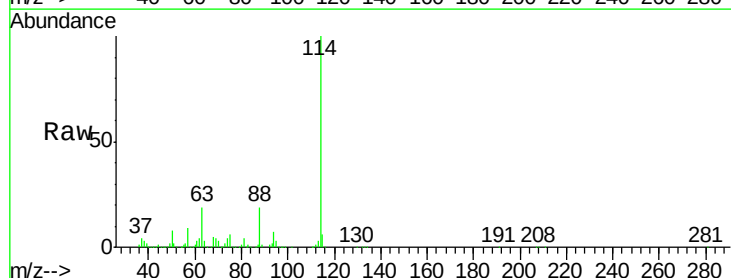
Instrument :
 MSVOA_F
 ClientSampled :

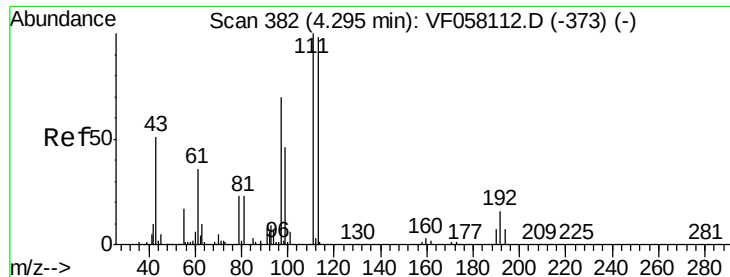
Tot Ion: 65 Resp: 174737
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 97.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF059208.D
 Acq: 20 Jun 2018 2:07

Tgt Ion: 114 Resp: 407548
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 41.6
 88 18.6 0.0 38.8

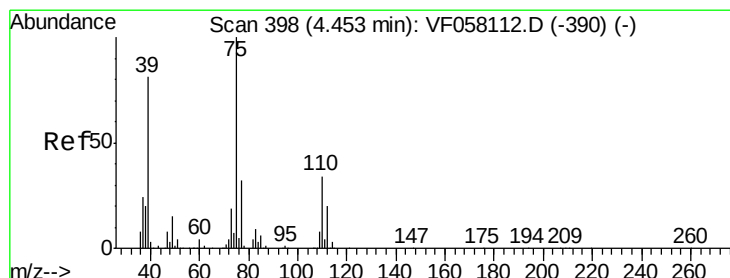
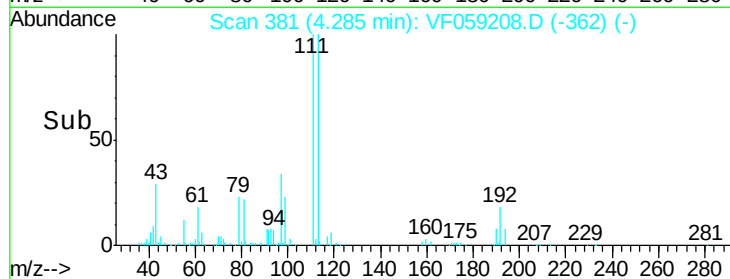
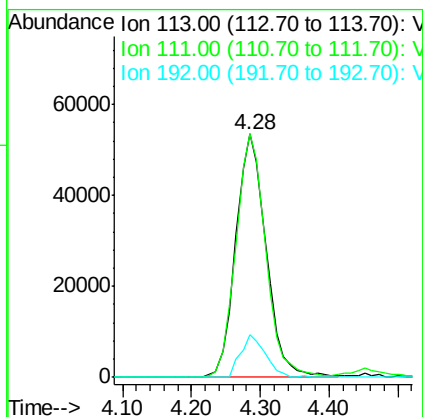
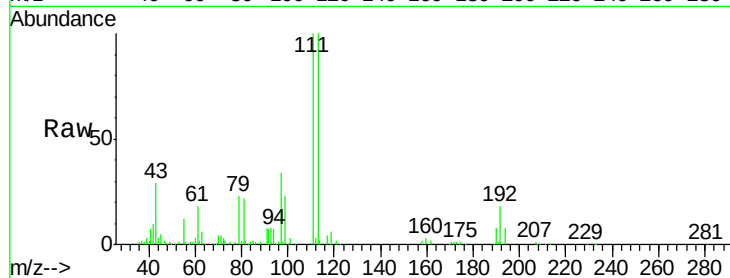




#35
 Dibromofluoromethane
 Concen: 57.081 ug/l
 RT: 4.28 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF059208.D
 Acq: 20 Jun 2018 2:07

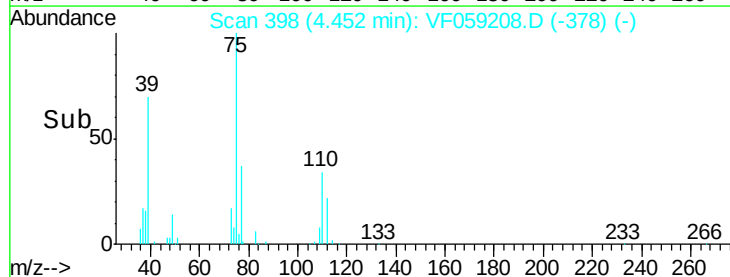
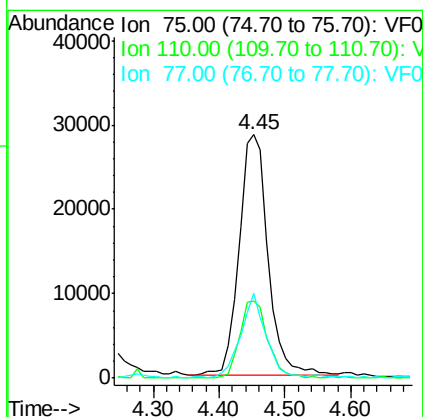
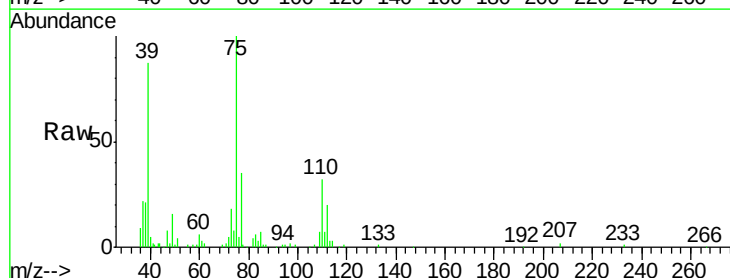
Instrument :
 MSVOA_F
 ClientSampleId :

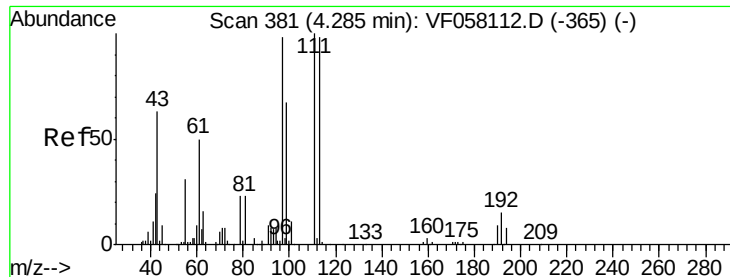
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.9	81.3	121.9
192	17.7	12.7	19.1



#36
 1,1-Dichloropropene
 Concen: 22.040 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. -0.00 min
 Lab File: VF059208.D
 Acq: 20 Jun 2018 2:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.6	17.0	50.9
77	34.9	25.3	37.9

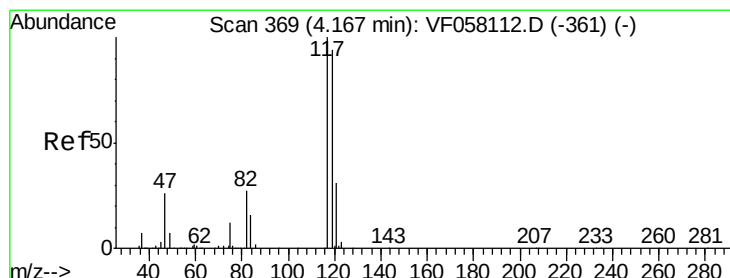
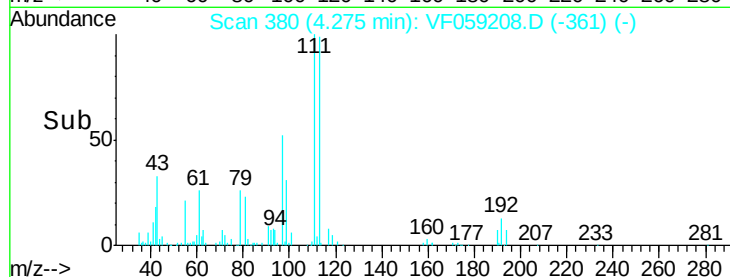
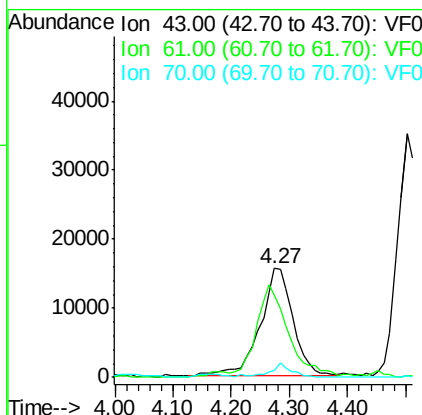
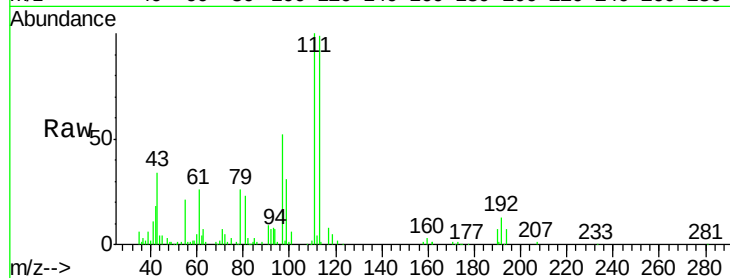




#37
Ethyl Acetate
Concen: 25.248 ug/l
RT: 4.27 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

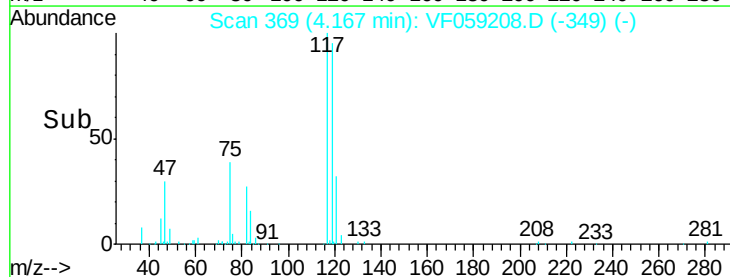
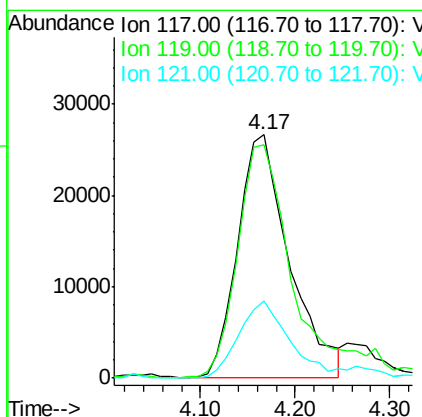
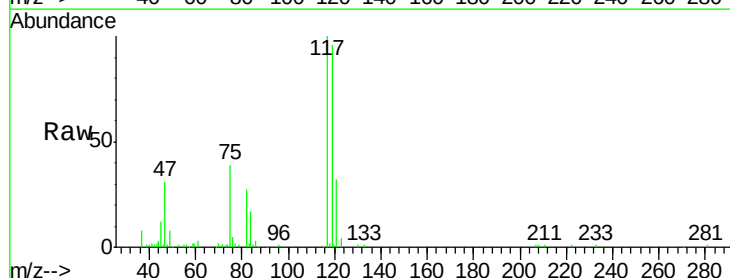
Instrument :
MSVOA_F
ClientSampled :

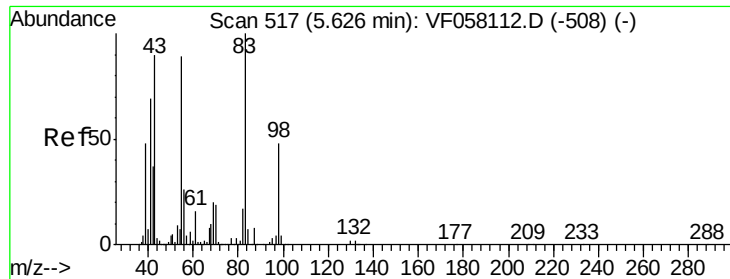
Tot Ion: 43 Resp: 61627
Ion Ratio Lower Upper
43 100
61 76.1 63.0 94.4
70 6.3 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 23.685 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.00 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Tgt Ion: 117 Resp: 101403
Ion Ratio Lower Upper
117 100
119 95.7 75.7 113.5
121 31.9 24.8 37.2

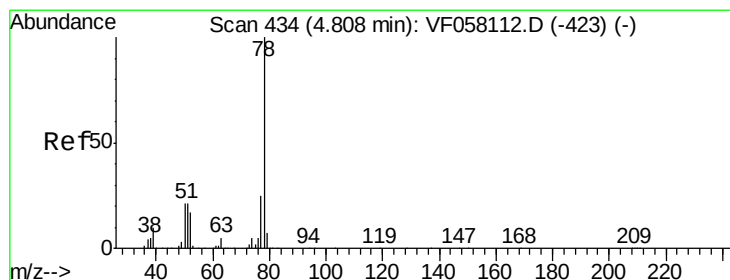
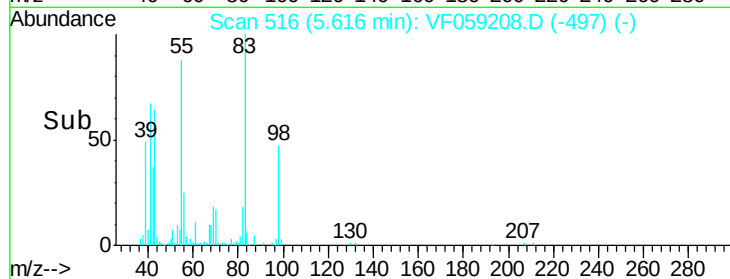
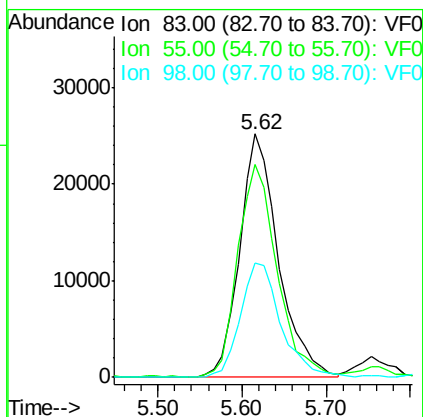
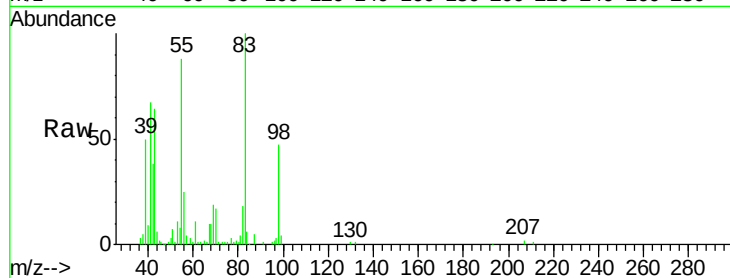




#39
Methylvlcyclohexane
Concen: 20.143 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.01 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

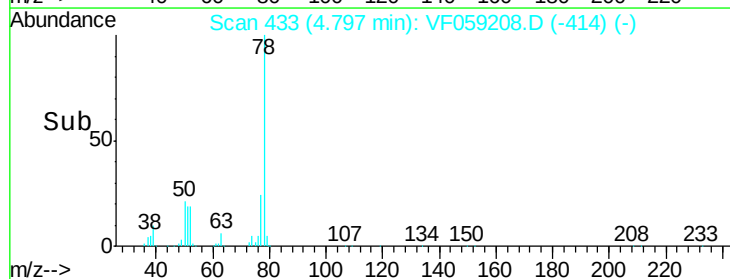
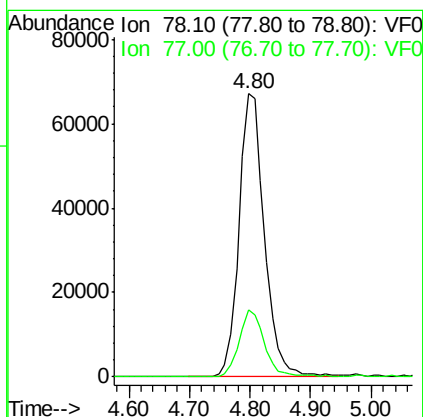
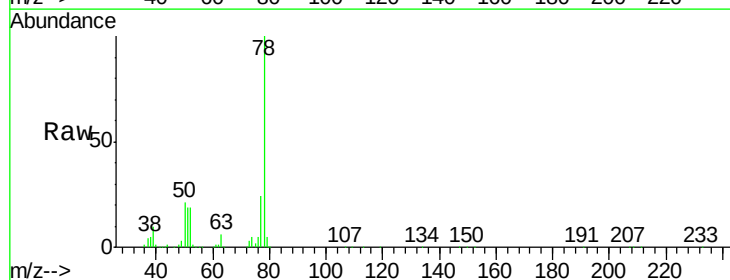
Instrument :
MSVOA_F
ClientSampleId :

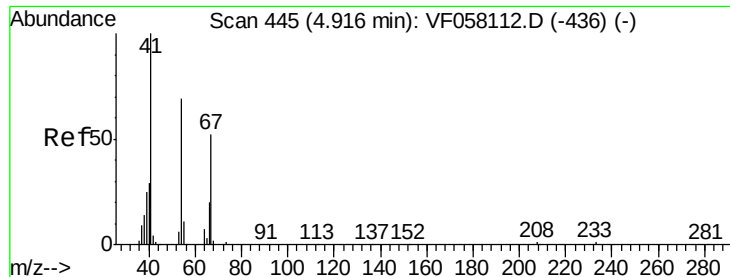
Tot Ion: 83 Resp: 81108
Ion Ratio Lower Upper
83 100
55 87.6 71.0 106.4
98 46.8 38.1 57.1



#40
Benzene
Concen: 21.309 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Tgt Ion: 78 Resp: 195385
Ion Ratio Lower Upper
78 100
77 23.7 20.2 30.2

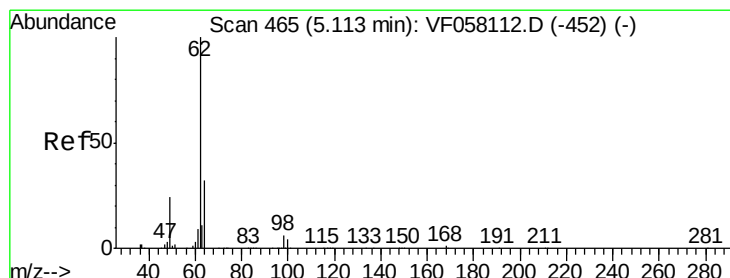
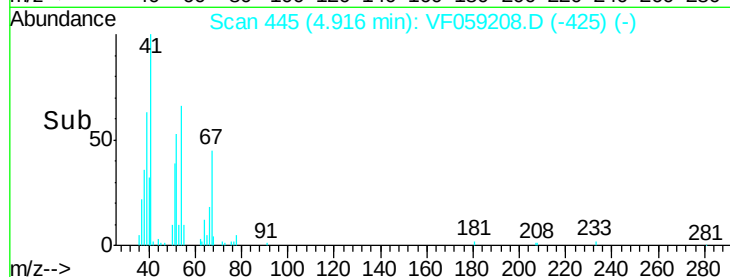
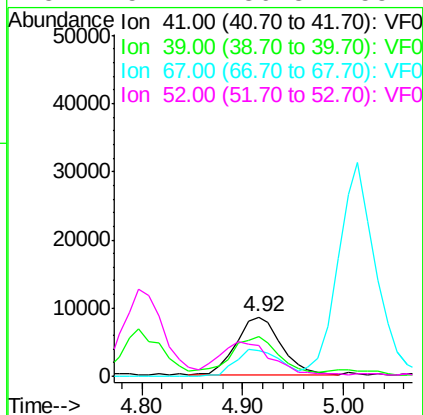
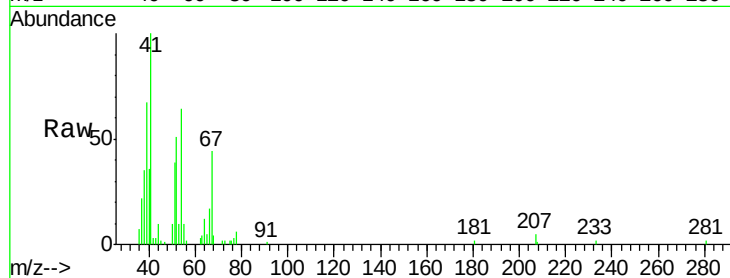




#41
Methacrylonitrile
Concen: 21.795 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.00 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

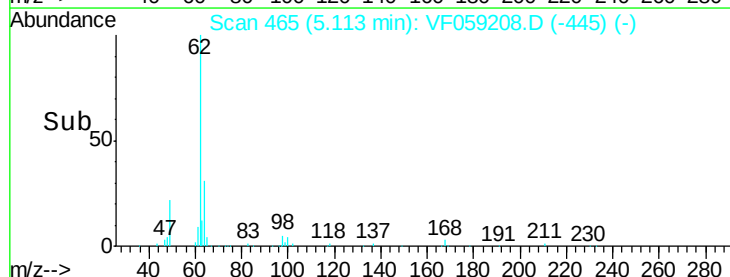
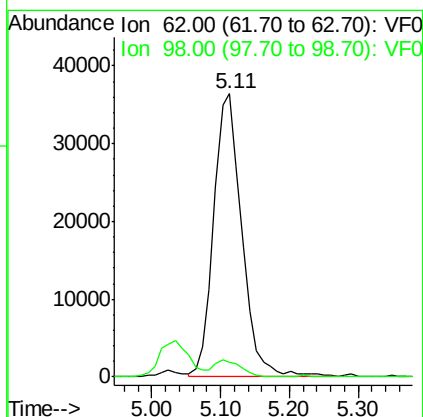
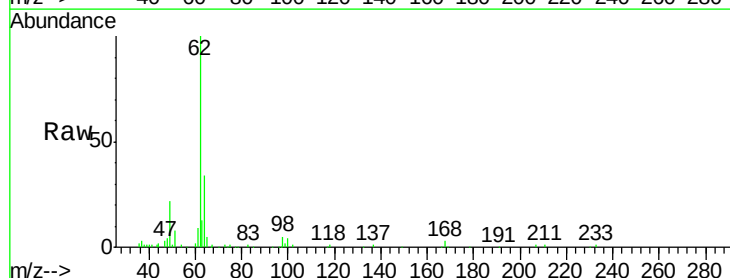
Instrument :
MSVOA_F
ClientSampleId :

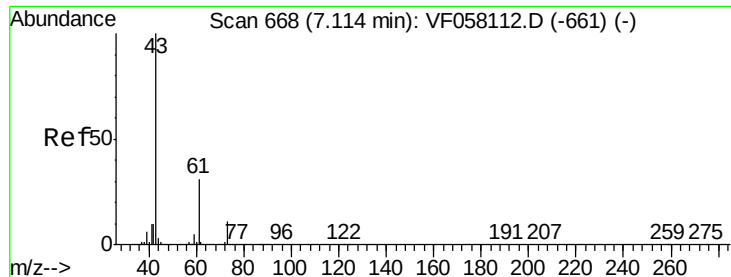
Tot Ion:	41	Resp:	26136
Ion	Ratio	Lower	Upper
41	100		
39	66.5	53.0	79.4
67	44.1	41.0	61.6
52	51.4	36.8	55.2



#42
1,2-Dichloroethane
Concen: 24.872 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.00 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Tgt Ion:	62	Resp:	102281
Ion	Ratio	Lower	Upper
62	100		
98	5.4	0.0	11.8





#43

Isopropyl Acetate

Concen: 21.381 ug/l

RT: 7.10 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

ClientSampleId :

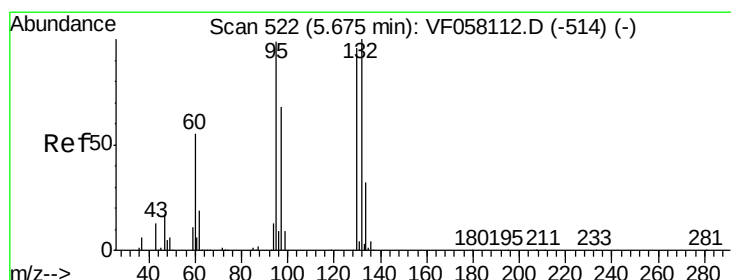
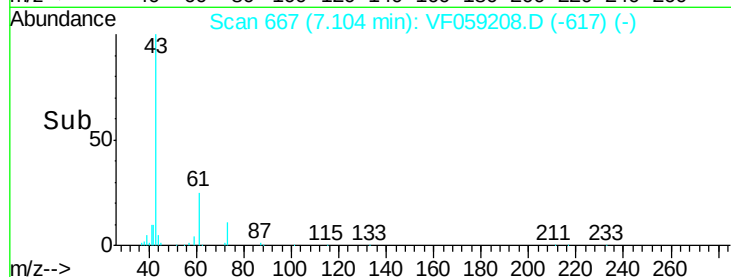
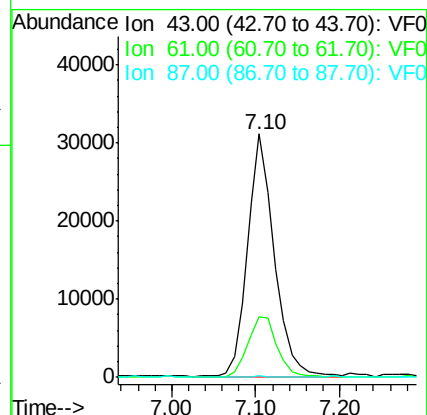
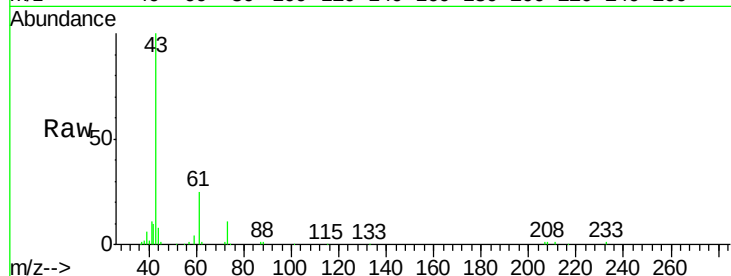
Tot Ion: 43 Resp: 69893

Ion Ratio Lower Upper

43 100

61 24.7 25.1 37.7#

87 0.6 0.2 0.4#



#44

Trichloroethene

Concen: 22.863 ug/l

RT: 5.66 min Scan# 521

Delta R.T. -0.01 min

Lab File: VF059208.D

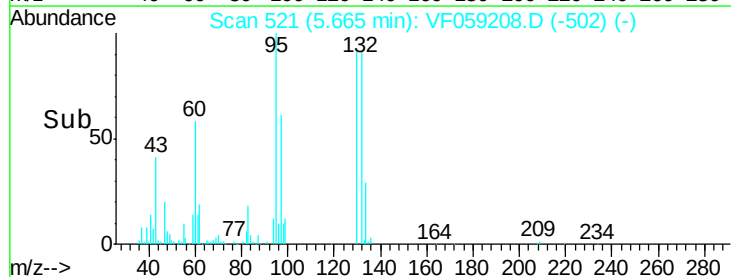
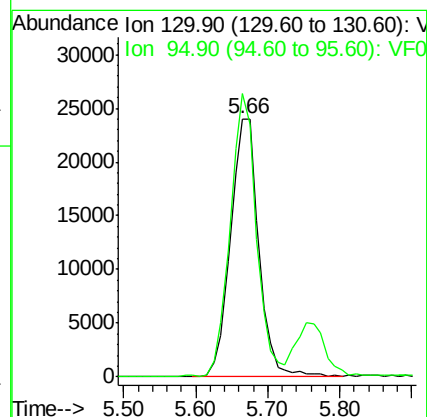
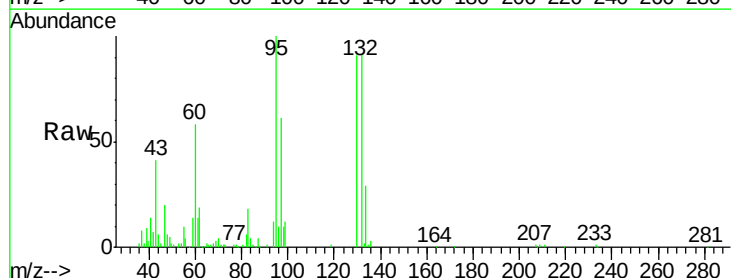
Acq: 20 Jun 2018 2:07

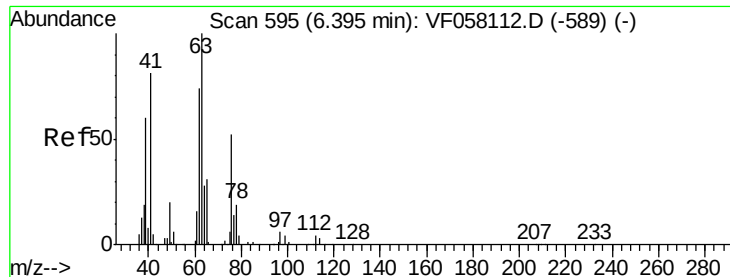
Tgt Ion: 130 Resp: 65501

Ion Ratio Lower Upper

130 100

95 109.6 0.0 206.8





#45

1,2-Dichloropropane

Concen: 21.065 ug/l

RT: 6.39 min Scan# 595

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

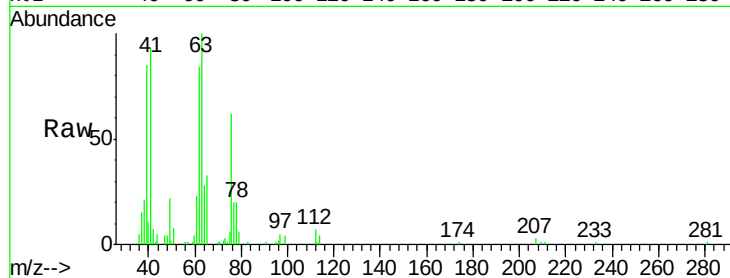
ClientSampleId :

Tot Ion: 63 Resp: 55692

Ion Ratio Lower Upper

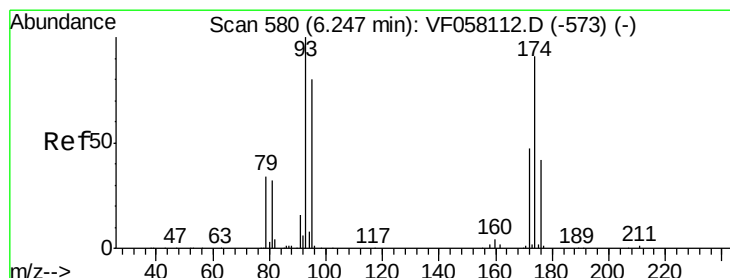
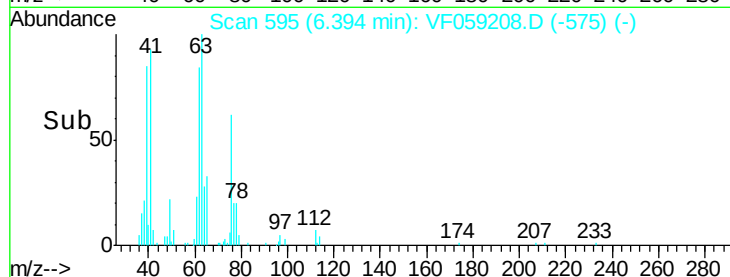
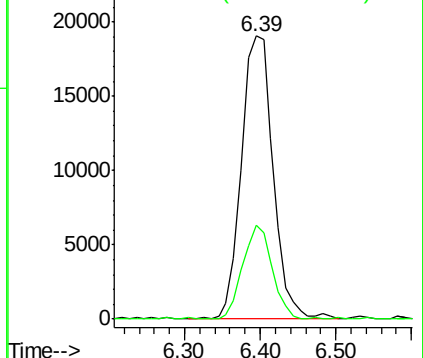
63 100

65 33.3 24.6 37.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 22.810 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

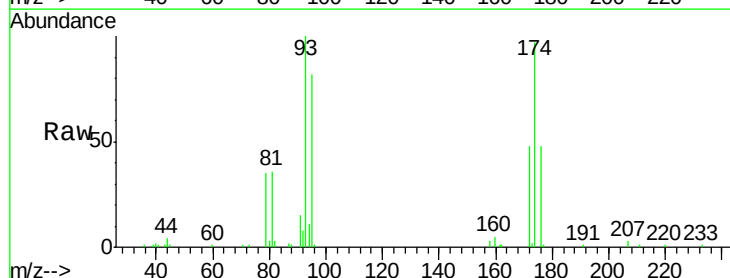
Tgt Ion: 93 Resp: 45373

Ion Ratio Lower Upper

93 100

95 81.5 64.2 96.4

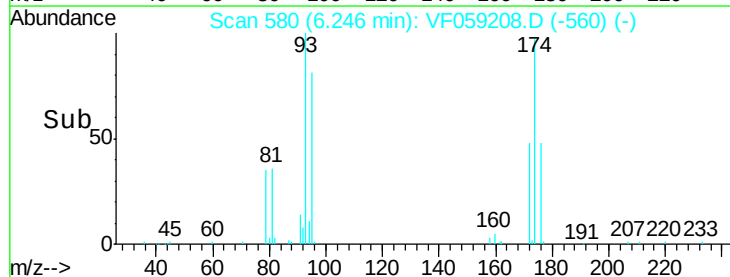
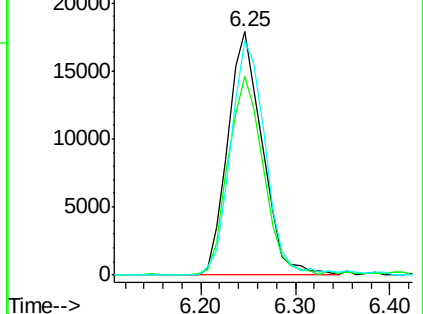
174 96.6 72.7 109.1

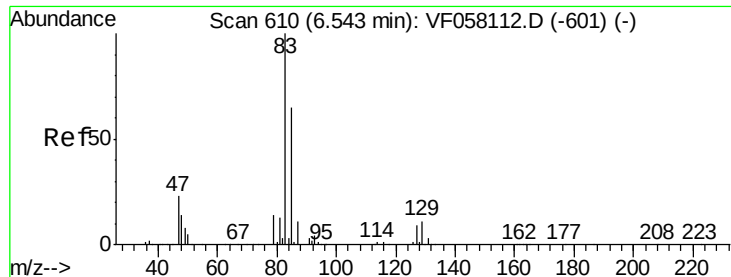


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 22.823 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :
MSVOA_F
ClientSampled :

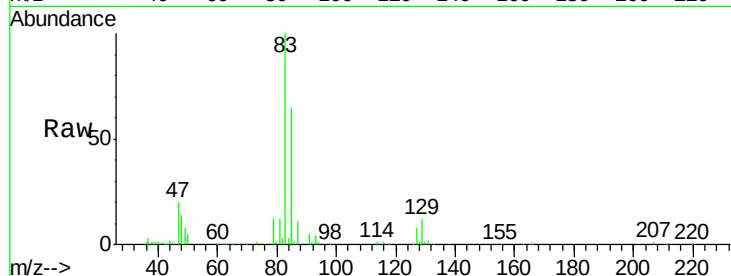
Tot Ion: 83 Resp: 103282

Ion Ratio Lower Upper

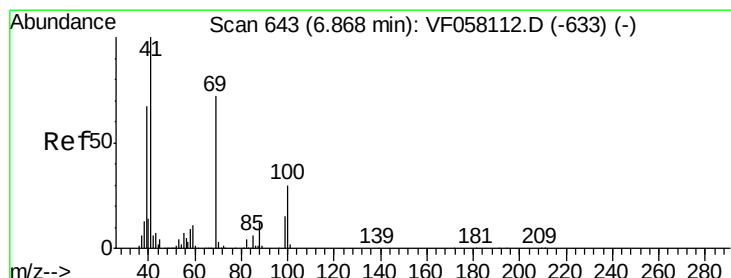
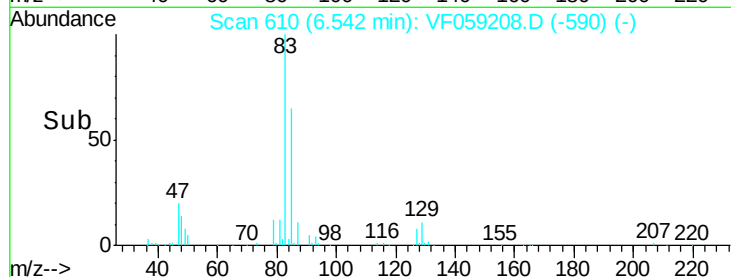
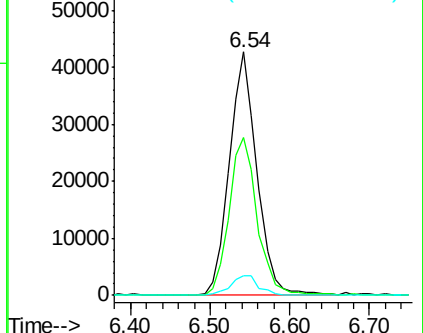
83 100

85 64.8 51.6 77.4

127 8.3 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: 22.025 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

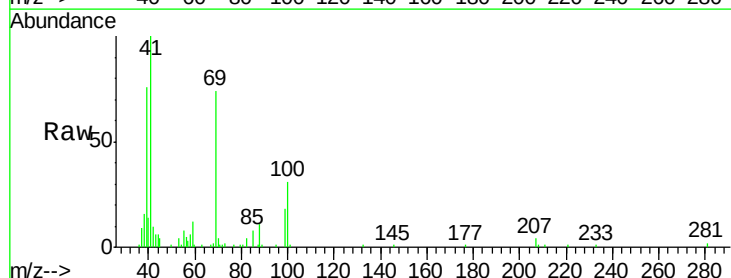
Tgt Ion: 41 Resp: 44384

Ion Ratio Lower Upper

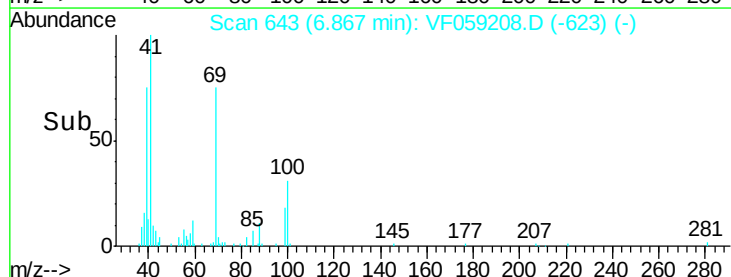
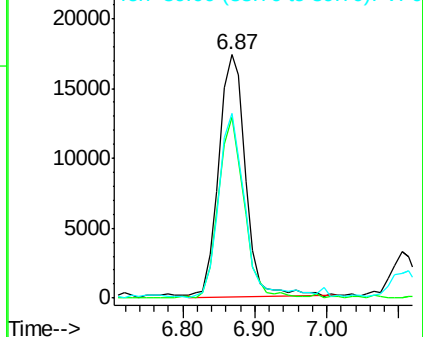
41 100

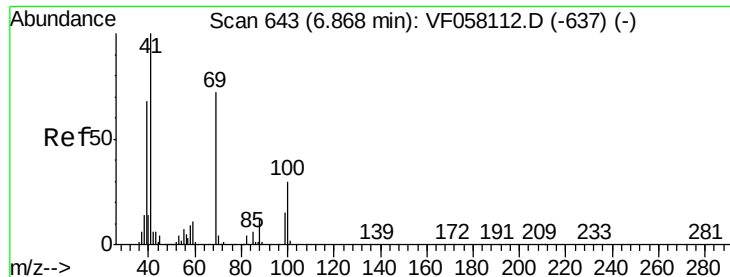
69 74.5 57.2 85.8

39 76.0 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

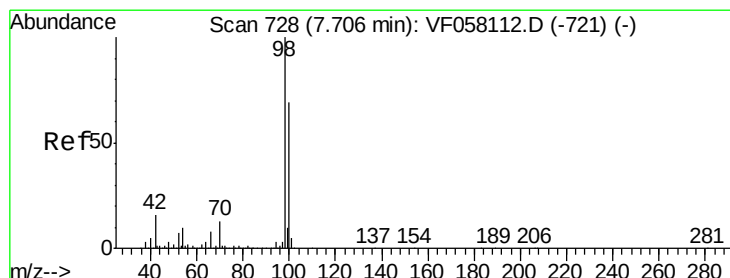
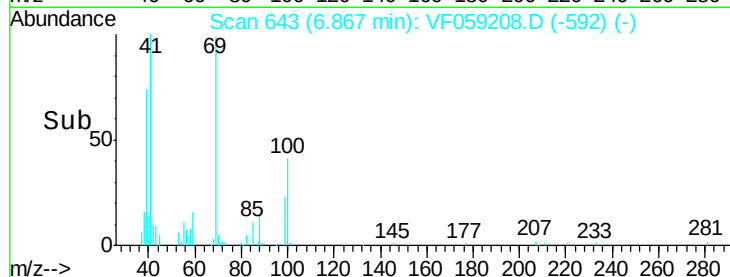
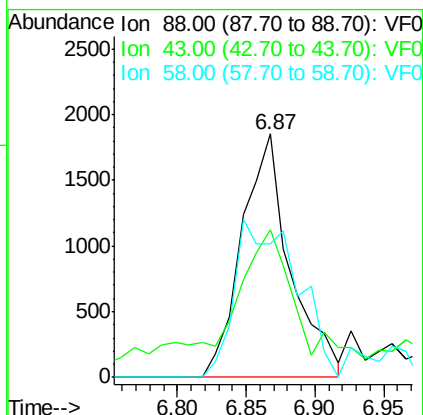
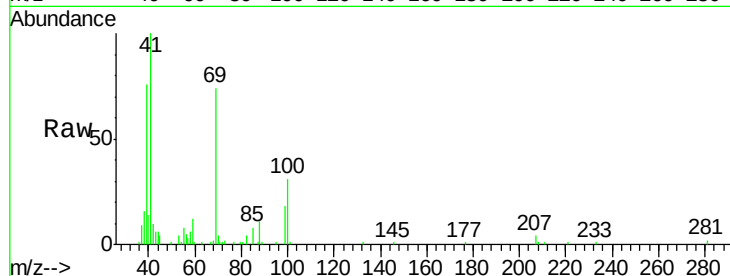




#49
1,4-Dioxane
Concen: 296.244 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

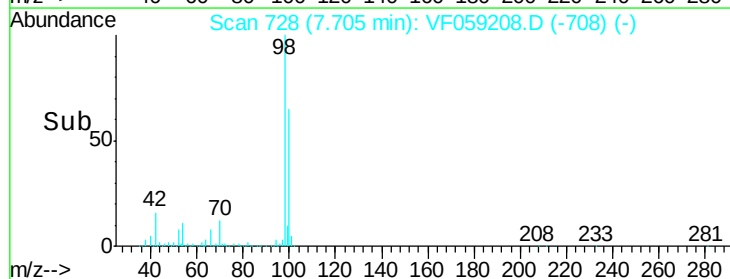
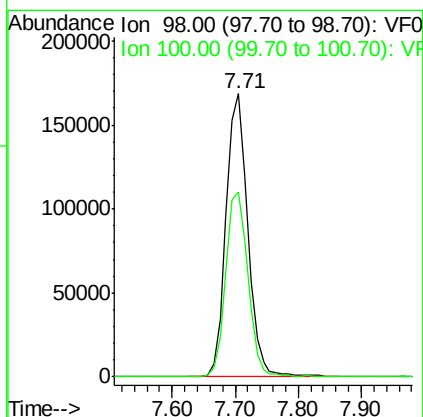
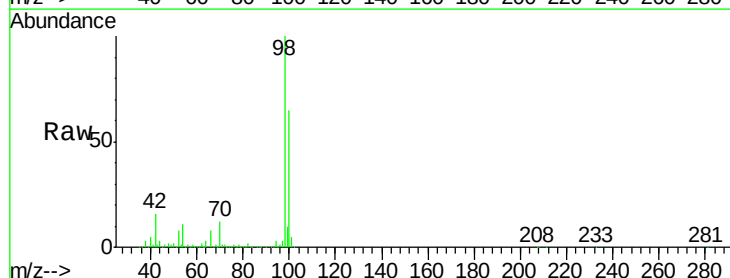
Instrument :
MSVOA_F
ClientSampled :

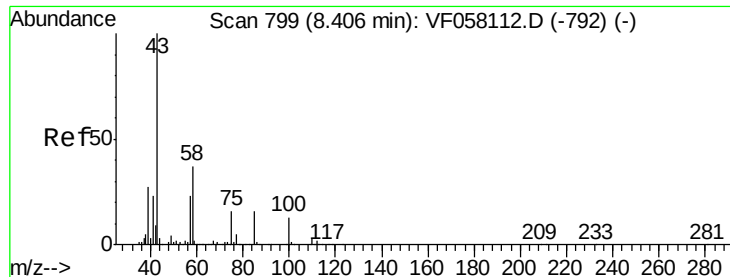
Tot Ion: 88 Resp: 4550
Ion Ratio Lower Upper
88 100
43 60.8 47.8 71.8
58 54.7 59.4 89.0#



#50
Toluene-d8
Concen: 48.046 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Tgt Ion: 98 Resp: 403638
Ion Ratio Lower Upper
98 100
100 65.3 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 118.921 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

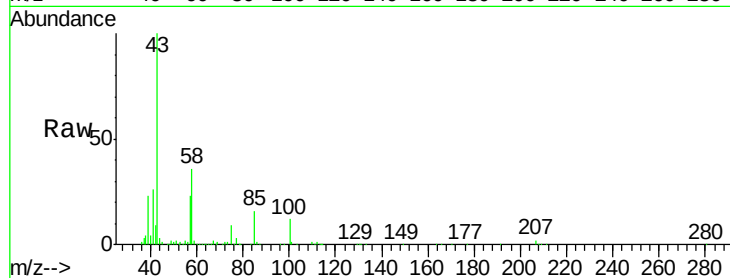
ClientSampleId :

Tot Ion: 43 Resp: 266443

Ion Ratio Lower Upper

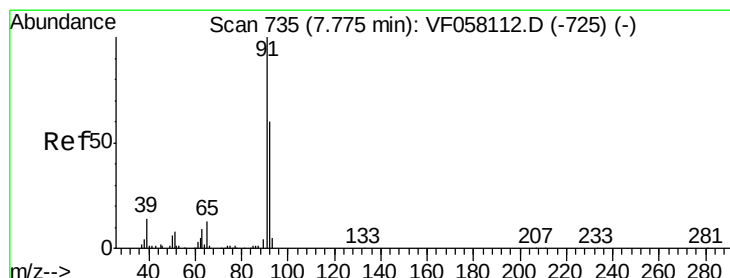
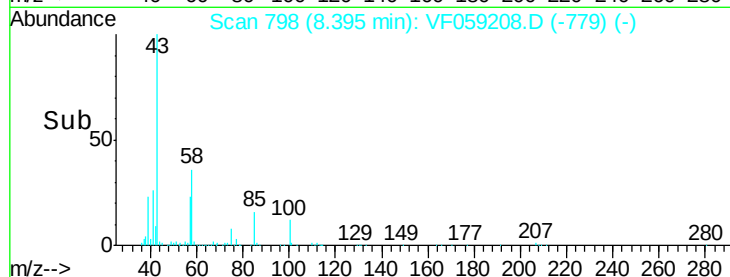
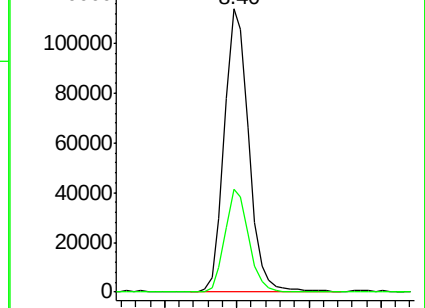
43 100

58 36.2 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: 20.968 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059208.D

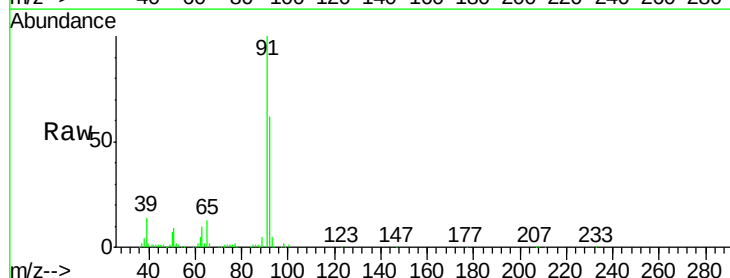
Acq: 20 Jun 2018 2:07

Tgt Ion: 92 Resp: 138475

Ion Ratio Lower Upper

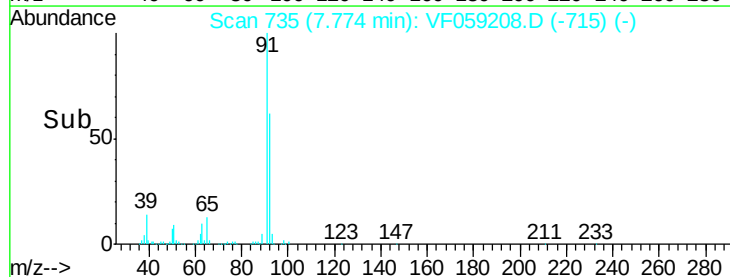
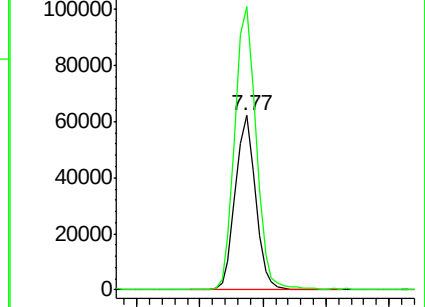
92 100

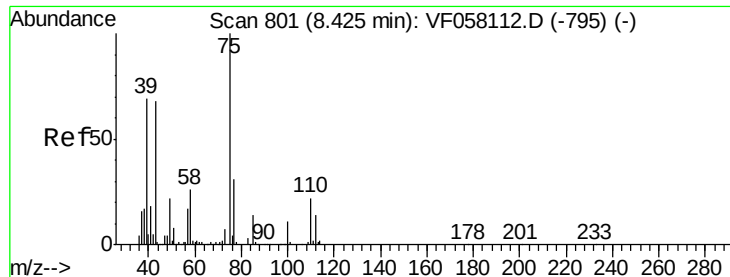
91 162.3 132.9 199.3



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: 21.872 ug/l

RT: 8.41 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

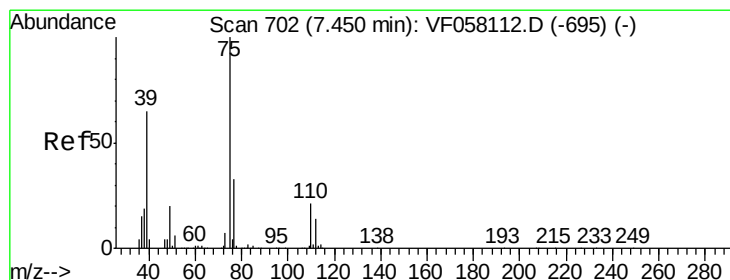
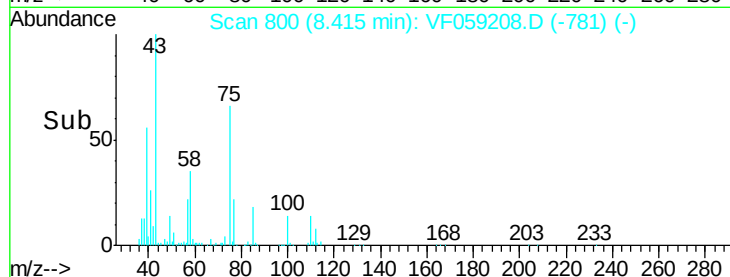
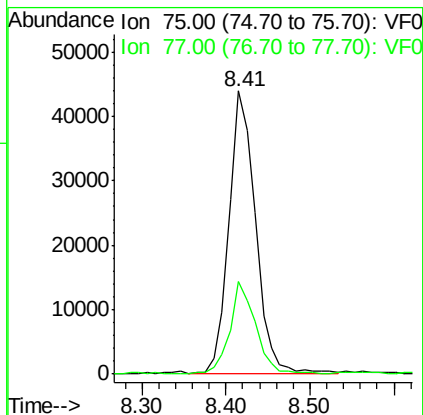
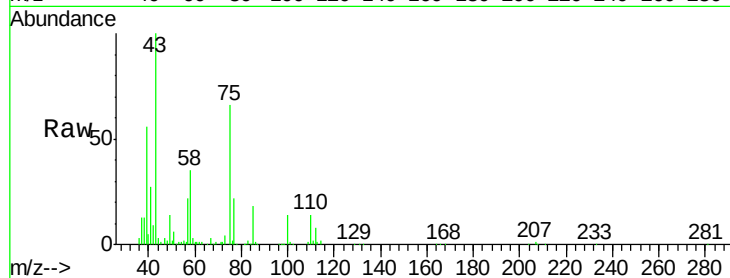
ClientSampleId :

Tot Ion: 75 Resp: 95854

Ion Ratio Lower Upper

75 100

77 32.9 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 20.598 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

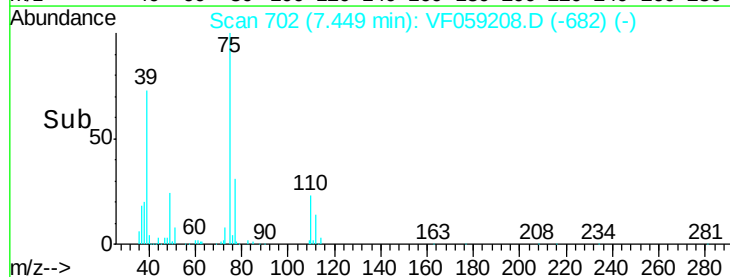
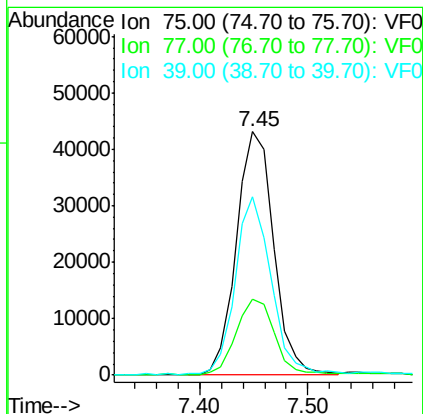
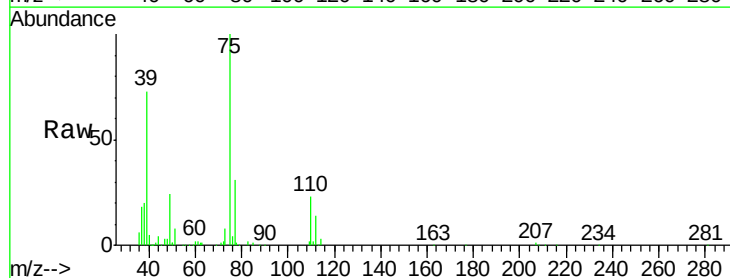
Tgt Ion: 75 Resp: 103698

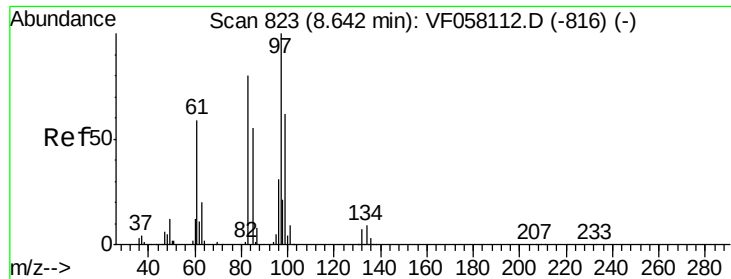
Ion Ratio Lower Upper

75 100

77 31.4 26.3 39.5

39 73.5 52.1 78.1





#55

1,1,2-Trichloroethane

Concen: 22.676 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 54269

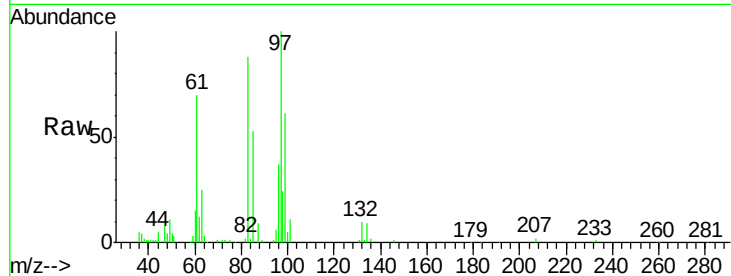
Ion Ratio Lower Upper

97 100

83 87.7 64.3 96.5

85 52.6 43.8 65.8

99 61.3 49.8 74.8

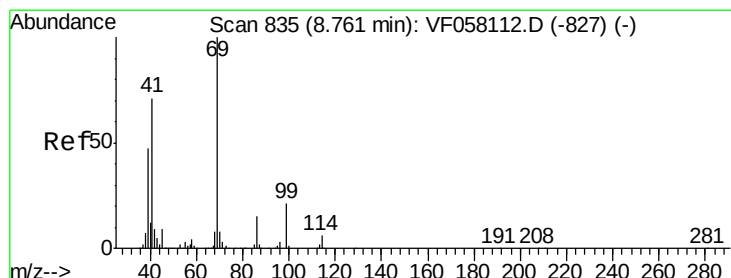
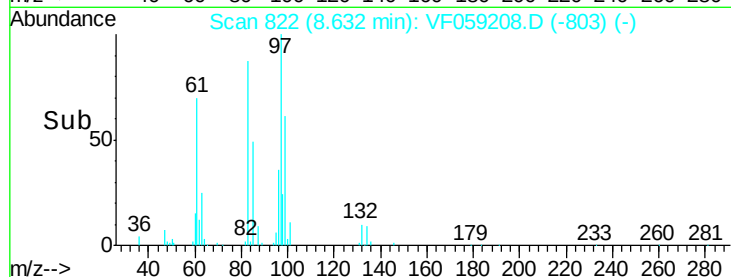
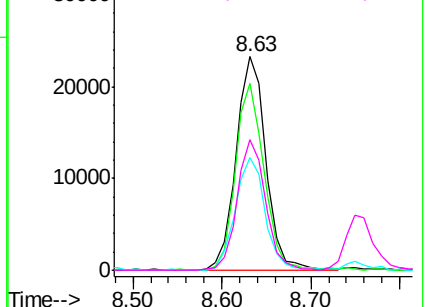


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 20.368 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

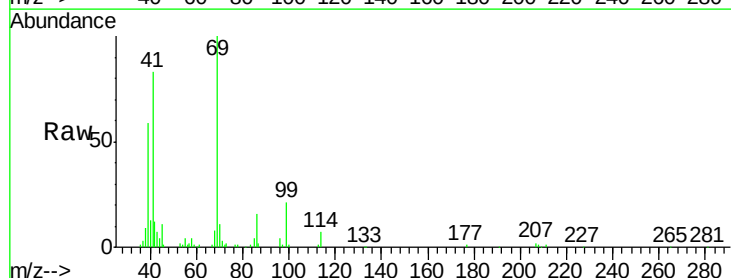
Tgt Ion: 69 Resp: 61444

Ion Ratio Lower Upper

69 100

41 82.5 56.9 85.3

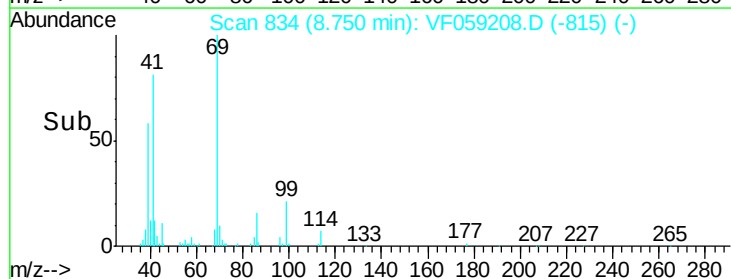
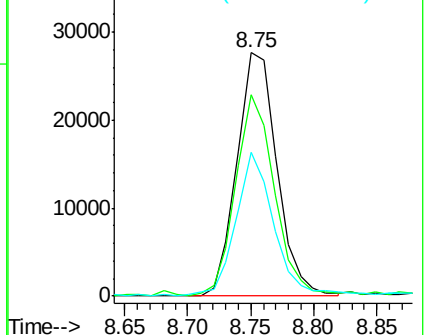
39 59.0 38.0 57.0#

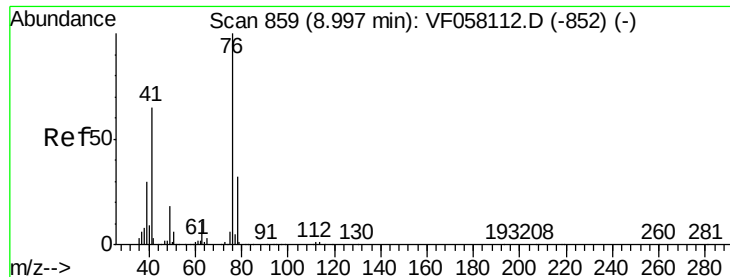


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 23.874 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

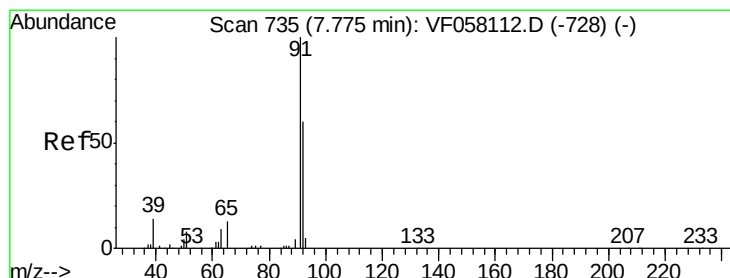
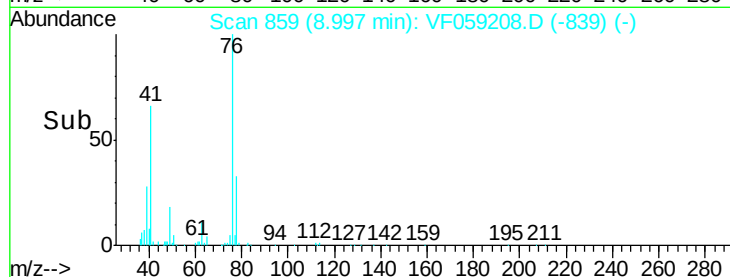
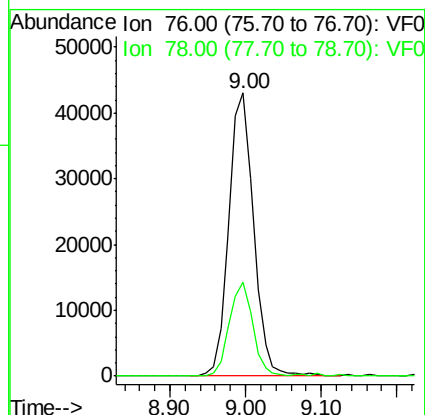
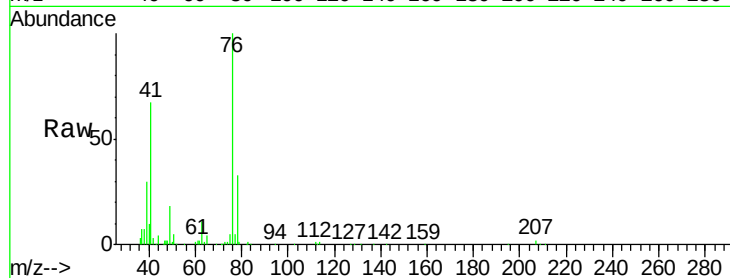
ClientSampleId :

Tot Ion: 76 Resp: 97738

Ion Ratio Lower Upper

76 100

78 33.0 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 108.094 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059208.D

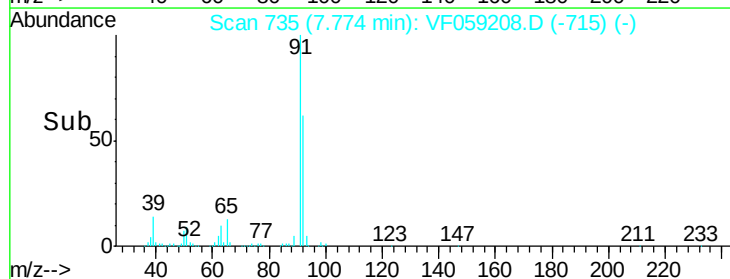
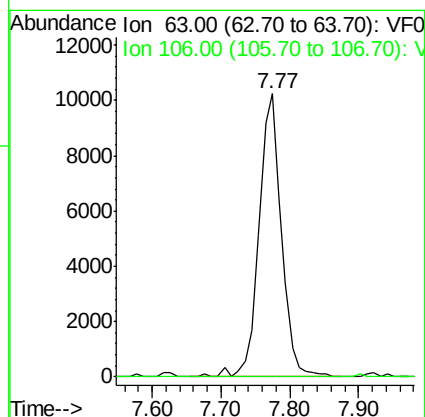
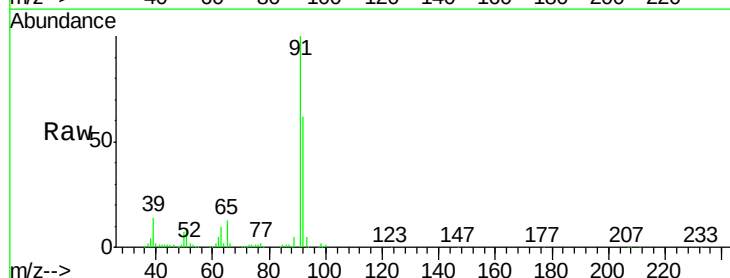
Acq: 20 Jun 2018 2:07

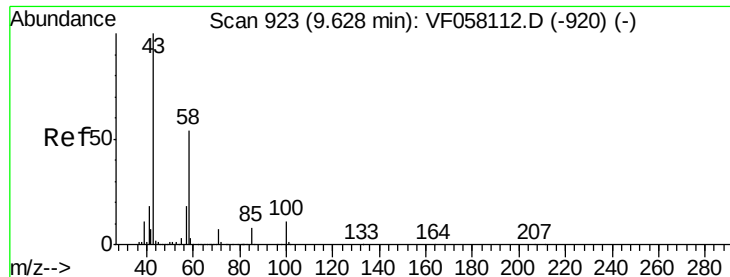
Tgt Ion: 63 Resp: 23316

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

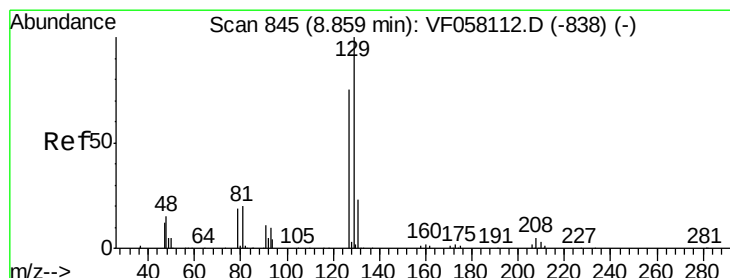
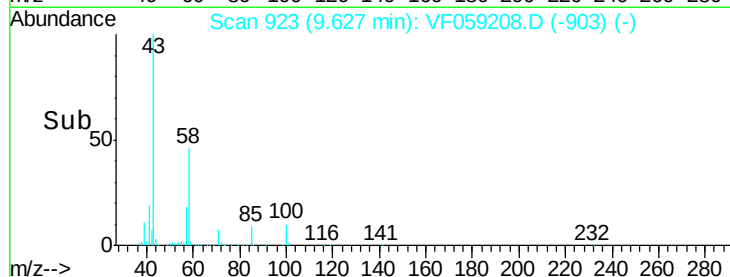
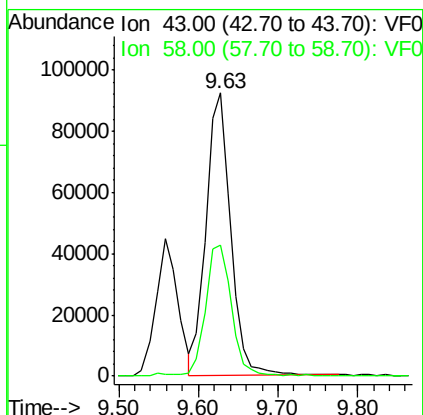
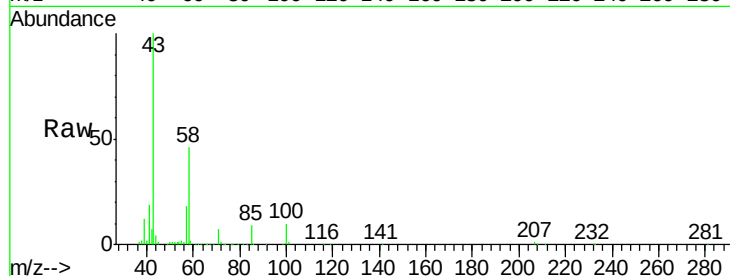




#59
 2-Hexanone
 Concen: 112.472 ug/l
 RT: 9.63 min Scan# 923
 Delta R.T. -0.00 min
 Lab File: VF059208.D
 Acq: 20 Jun 2018 2:07

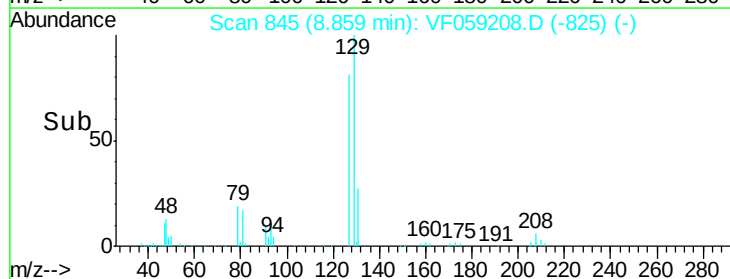
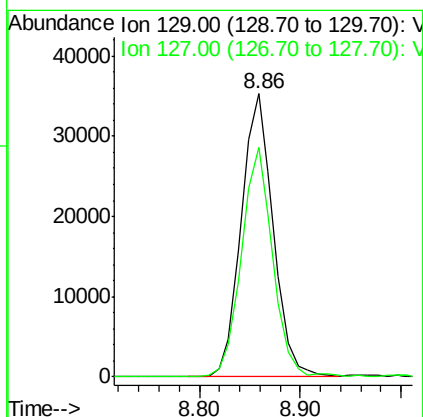
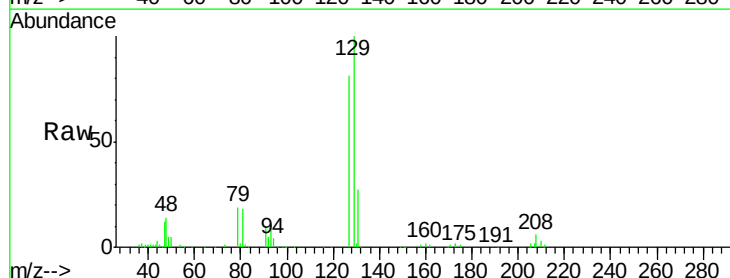
Instrument :
 MSVOA_F
 ClientSampleId :

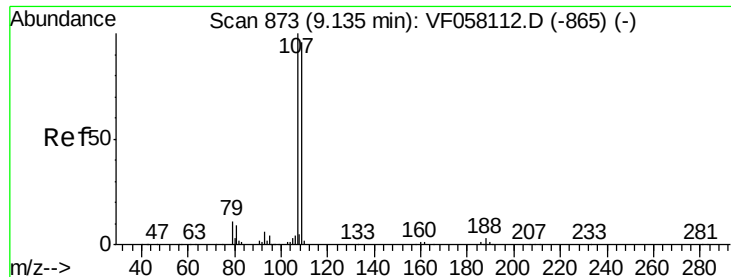
Tot Ion: 43 Resp: 199327
 Ion Ratio Lower Upper
 43 100
 58 46.1 26.3 78.8



#60
 Dibromochloromethane
 Concen: 22.684 ug/l
 RT: 8.86 min Scan# 845
 Delta R.T. -0.00 min
 Lab File: VF059208.D
 Acq: 20 Jun 2018 2:07

Tgt Ion: 129 Resp: 78010
 Ion Ratio Lower Upper
 129 100
 127 80.9 37.6 112.9





#61

1,2-Dibromoethane

Concen: 22.511 ug/l

RT: 9.12 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

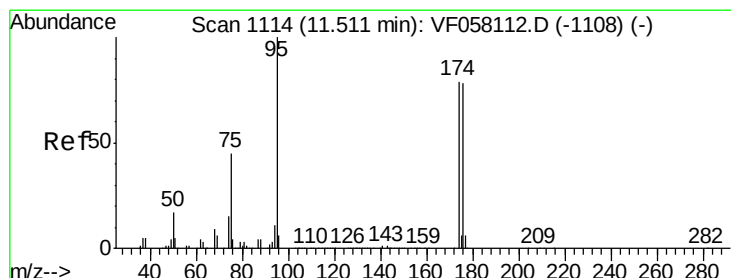
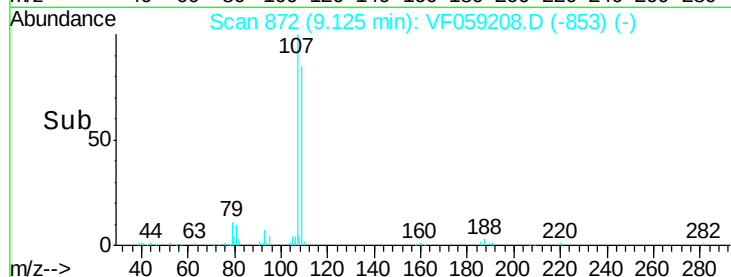
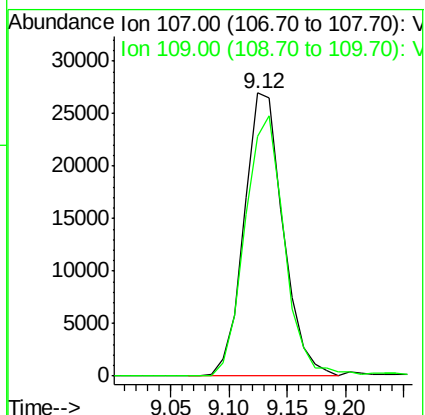
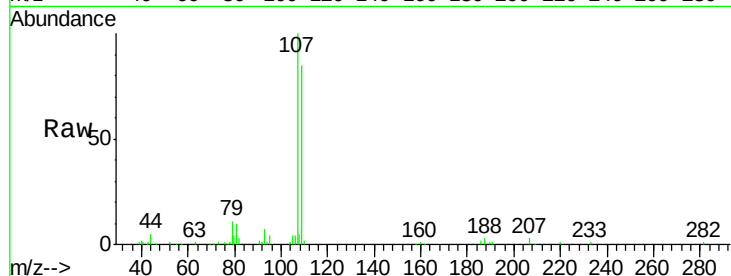
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 62600

Ion Ratio Lower Upper

107 100

109 84.8 76.6 115.0



#62

4-Bromofluorobenzene

Concen: 50.795 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

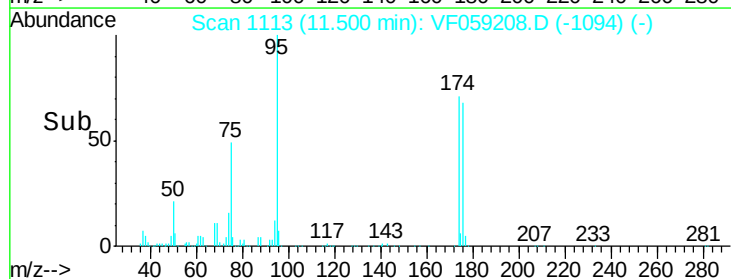
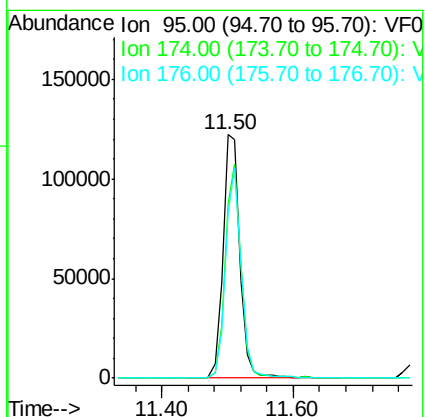
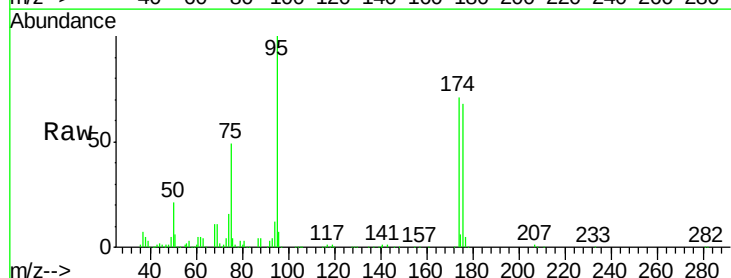
Tgt Ion: 95 Resp: 218872

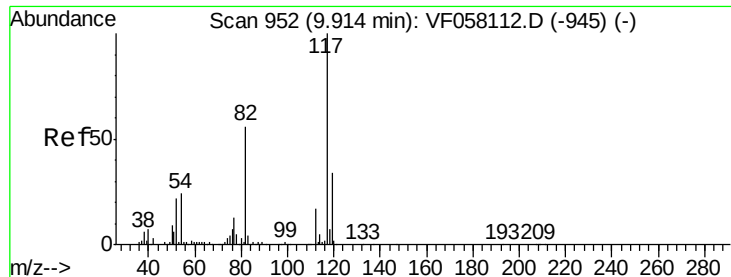
Ion Ratio Lower Upper

95 100

174 71.5 0.0 157.8

176 68.0 0.0 155.8

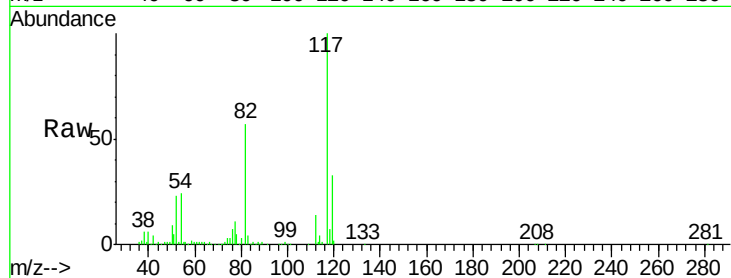




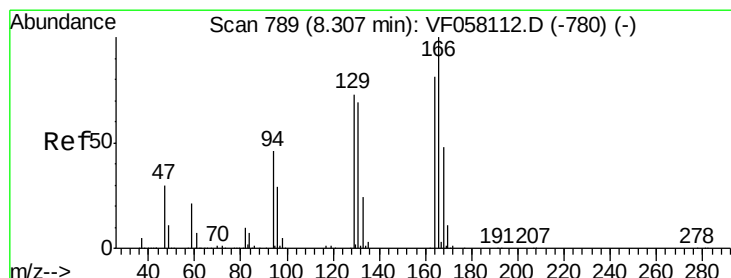
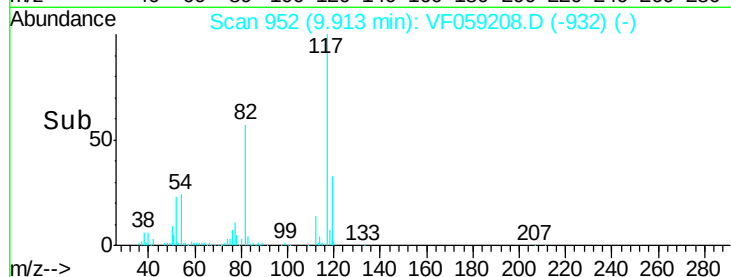
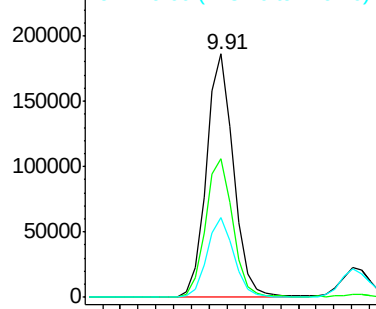
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	45.2	67.8
119	32.6	27.5	41.3

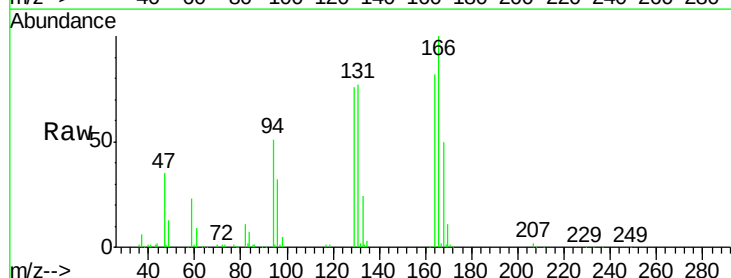


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

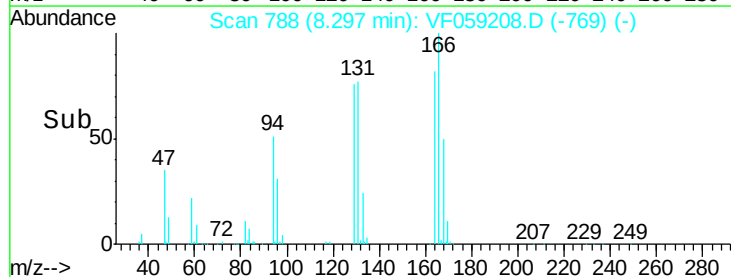
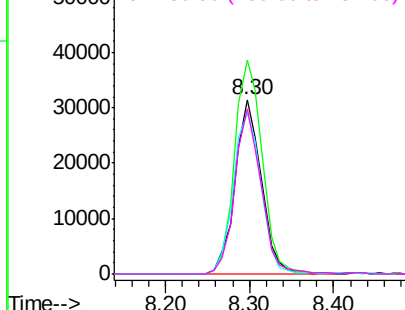


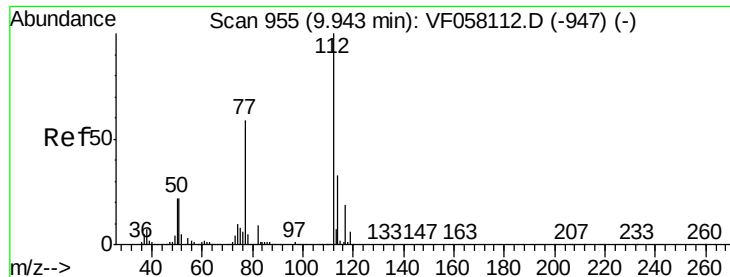
#64
Tetrachloroethene
Concen: 23.580 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.2	98.2	147.4
129	92.4	71.6	107.4
131	94.3	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: 21.815 ug/l

RT: 9.93 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

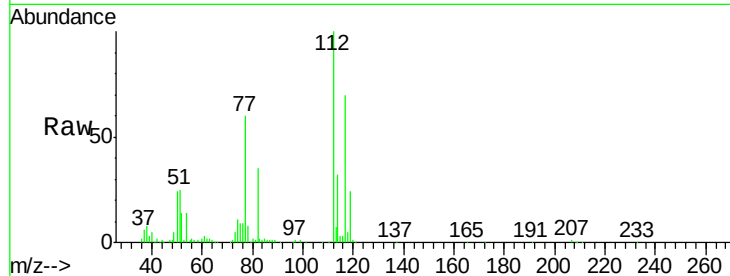
ClientSampleId :

Tot Ion:112 Resp: 171235

Ion Ratio Lower Upper

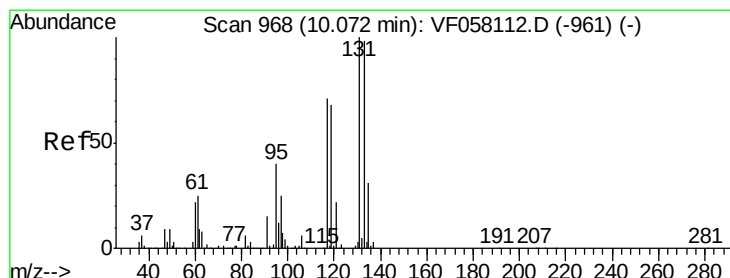
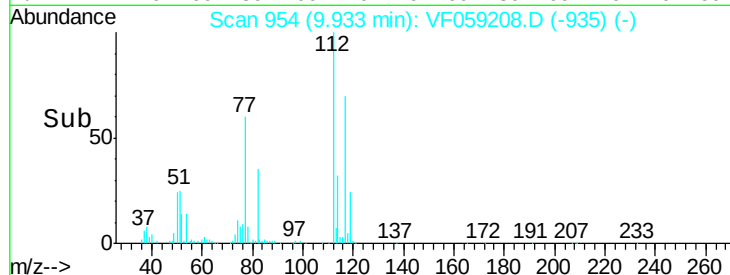
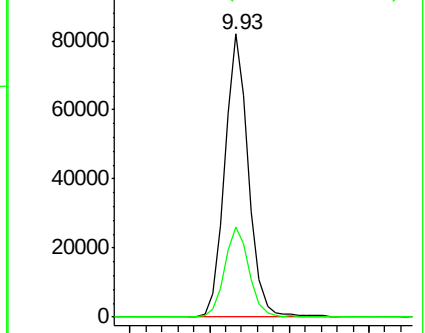
112 100

114 31.6 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: 22.689 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

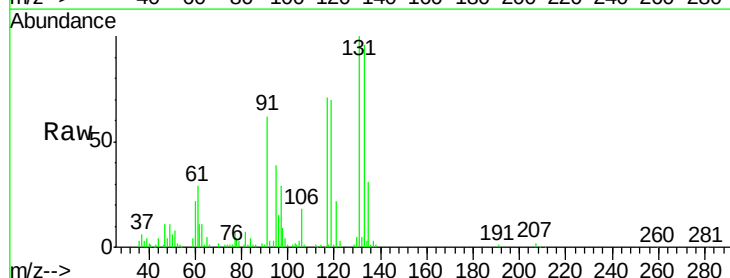
Tgt Ion:131 Resp: 70846

Ion Ratio Lower Upper

131 100

133 95.9 49.1 147.4

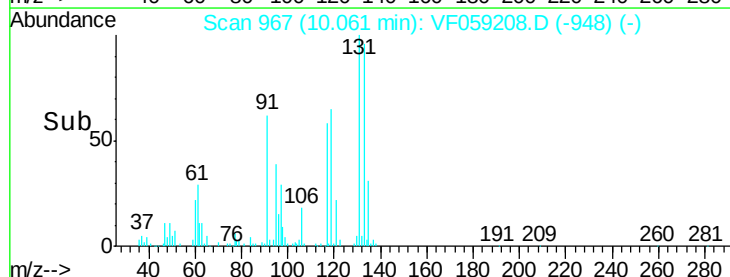
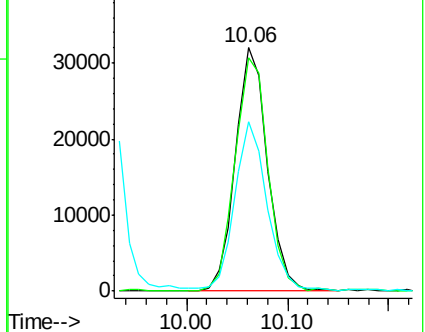
119 69.5 34.3 102.8

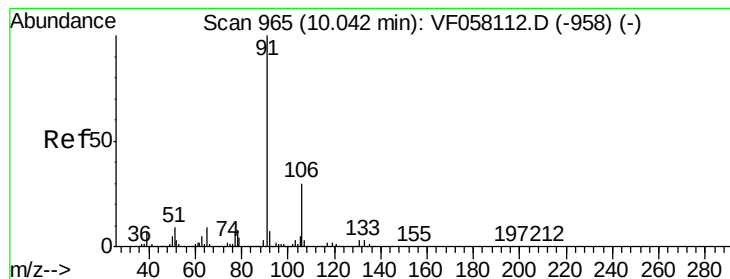


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 21.439 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

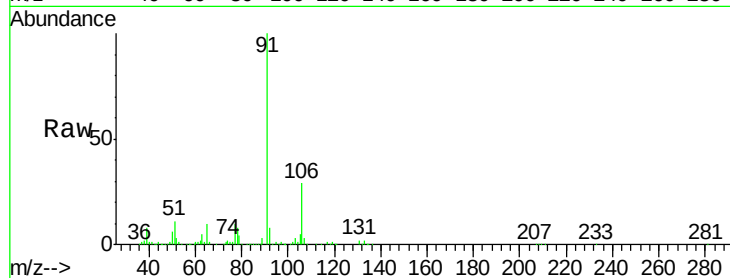
ClientSampleId :

Tot Ion: 91 Resp: 292409

Ion Ratio Lower Upper

91 100

106 29.3 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

10.03

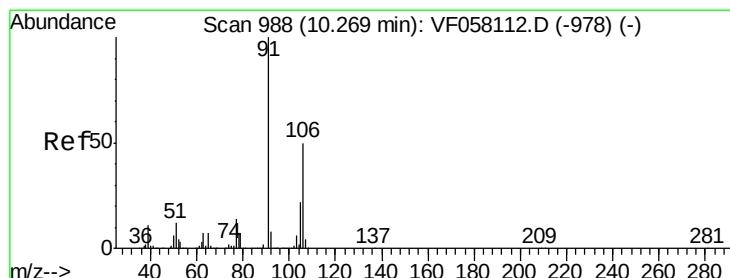
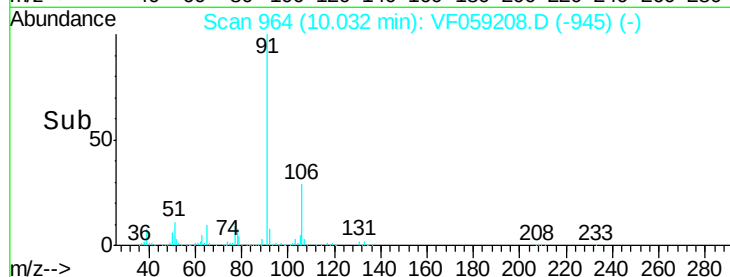
150000

100000

50000

0

Time--> 9.90 10.00 10.10



#68

m/p-Xylenes

Concen: 42.648 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059208.D

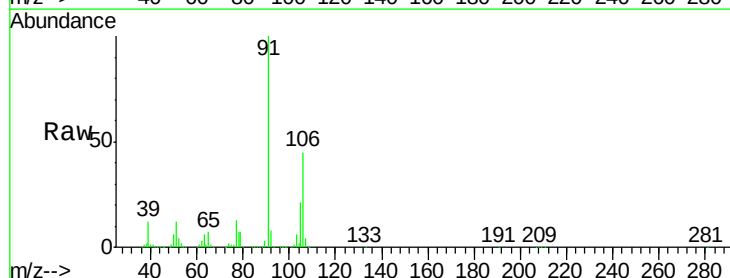
Acq: 20 Jun 2018 2:07

Tgt Ion: 106 Resp: 217779

Ion Ratio Lower Upper

106 100

91 221.1 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

10.26

250000

200000

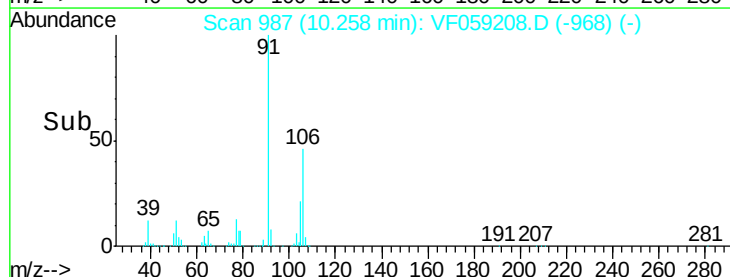
150000

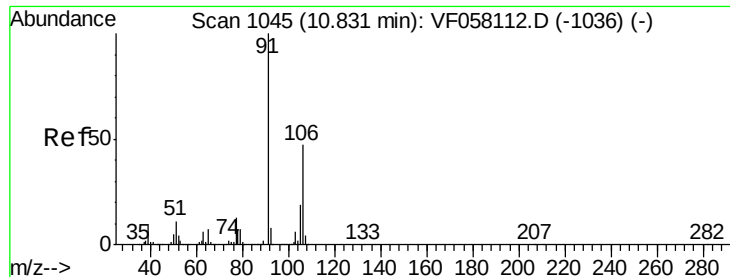
100000

50000

0

Time--> 10.20 10.30 10.40

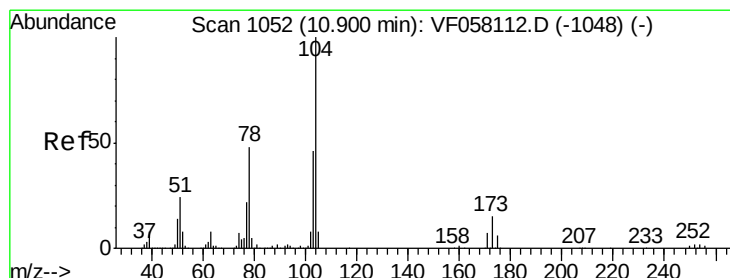
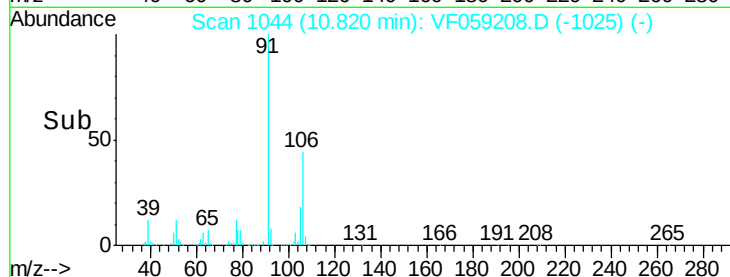
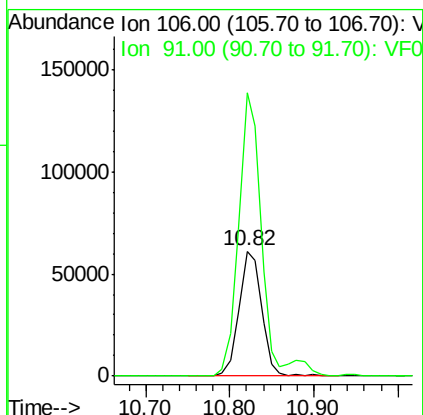
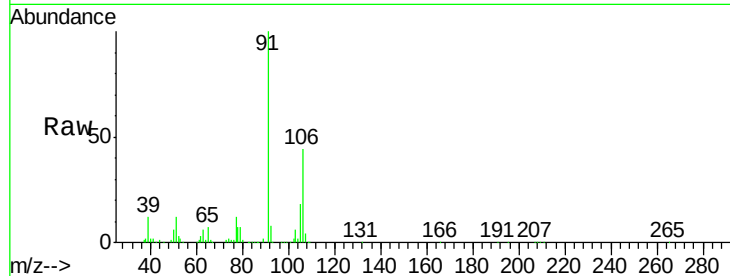




#69
o-Xylene
Concen: 20.792 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

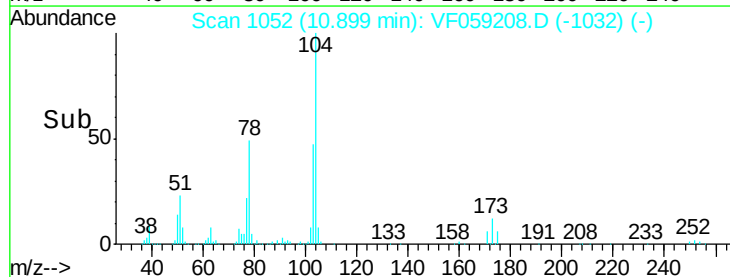
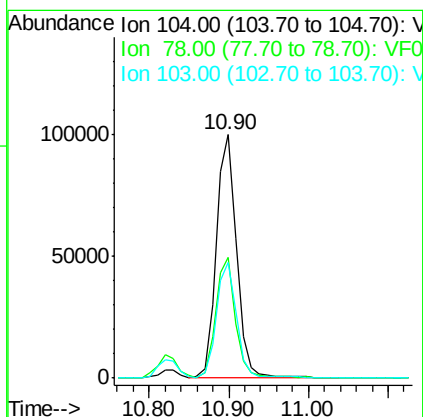
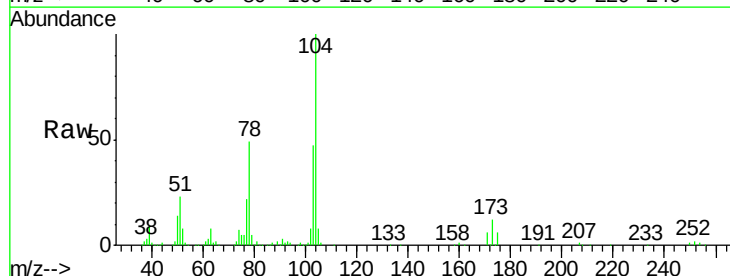
Instrument :
MSVOA_F
ClientSampleId :

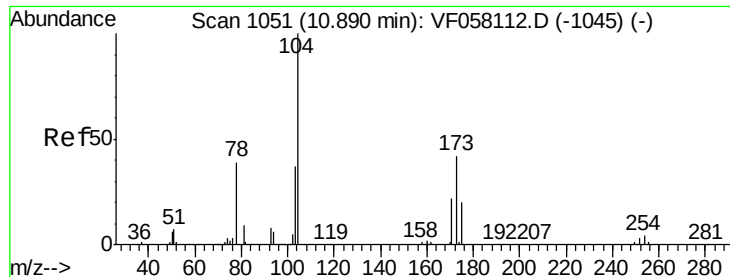
Tot Ion:106 Resp: 114750
Ion Ratio Lower Upper
106 100
91 226.7 107.0 321.0



#70
Styrene
Concen: 21.445 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Tgt Ion:104 Resp: 179075
Ion Ratio Lower Upper
104 100
78 49.4 38.4 57.6
103 47.3 37.0 55.6





#71

Bromoform

Concen: 23.841 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

ClientSampleId :

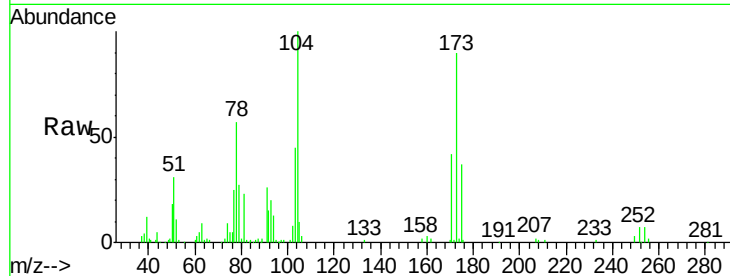
Tot Ion:173 Resp: 50554

Ion Ratio Lower Upper

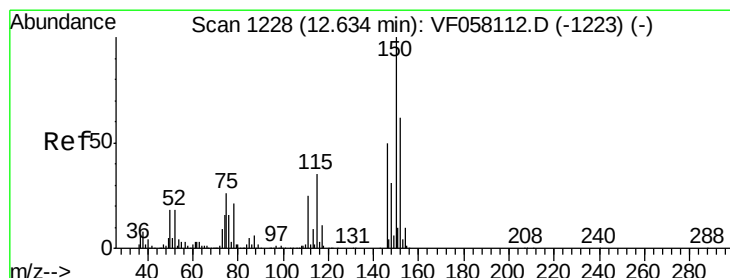
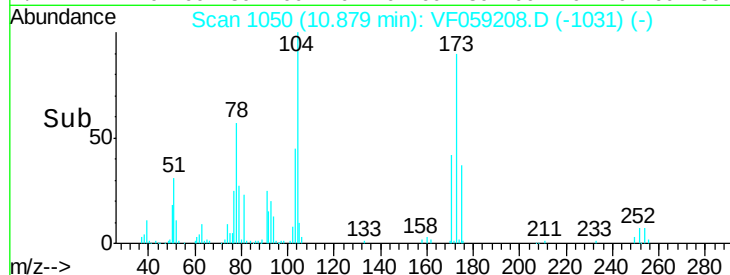
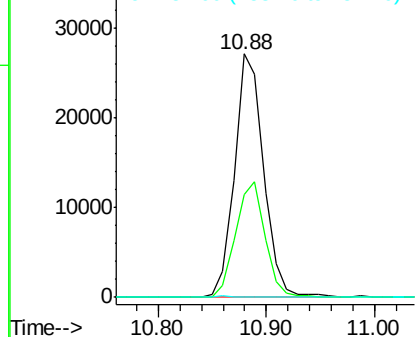
173 100

175 42.0 24.6 74.0

254 0.0 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: VF059208.D

Acq: 20 Jun 2018 2:07

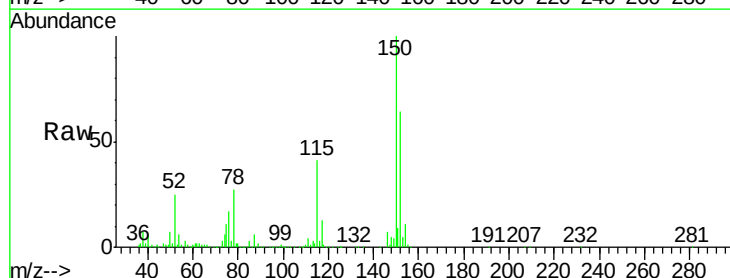
Tgt Ion:152 Resp: 235236

Ion Ratio Lower Upper

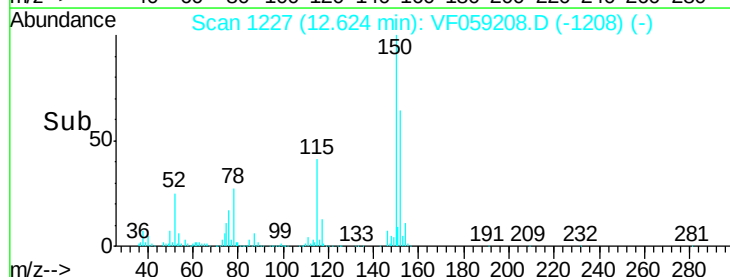
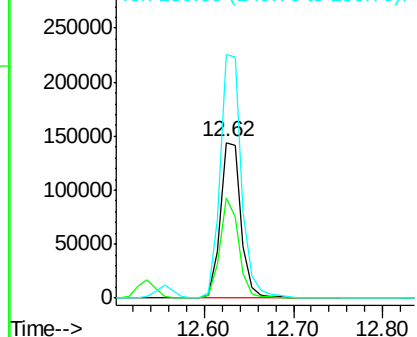
152 100

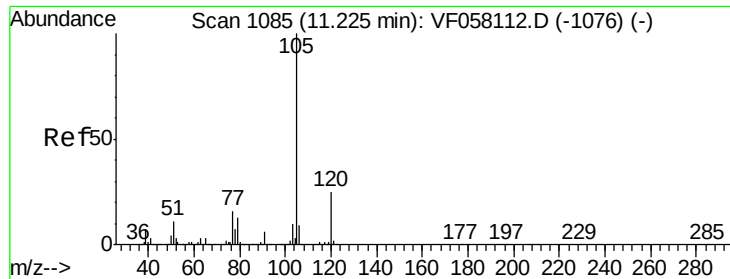
115 64.4 28.5 85.5

150 156.3 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: 21.347 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

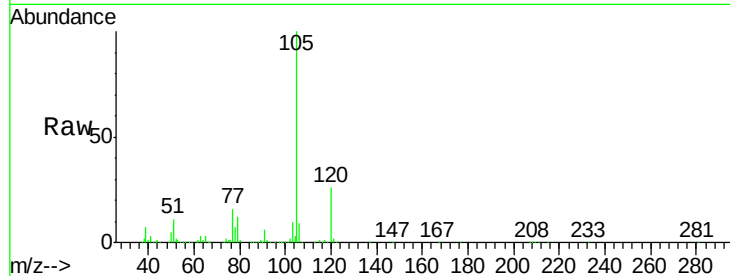
ClientSampleId :

Tot Ion:105 Resp: 347672

Ion Ratio Lower Upper

105 100

120 25.9 12.7 38.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

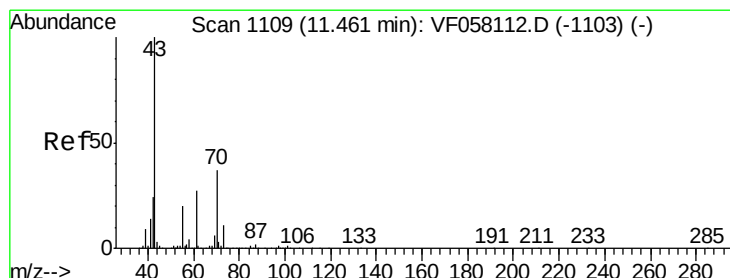
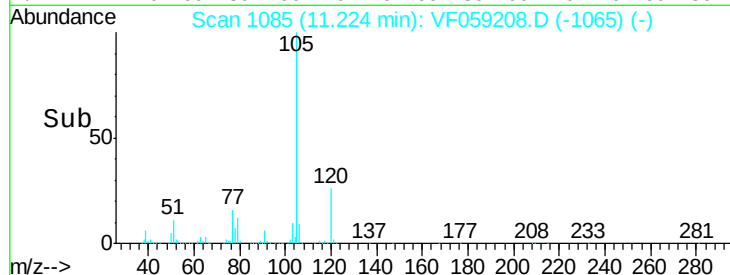
50000

0

11.22

11.40

Time-->



#74

N-ethyl acetate

Concen: 22.062 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Tgt Ion: 43 Resp: 128349

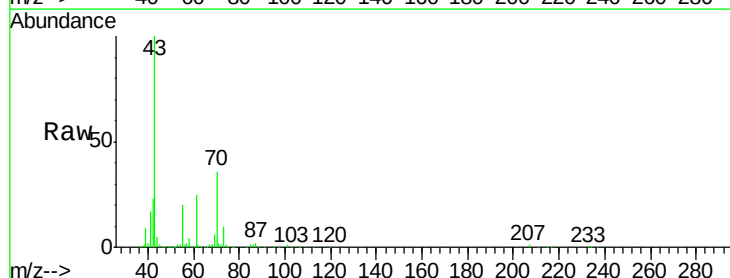
Ion Ratio Lower Upper

43 100

70 36.0 29.2 43.8

55 20.3 15.8 23.6

61 25.1 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

120000

100000

80000

60000

40000

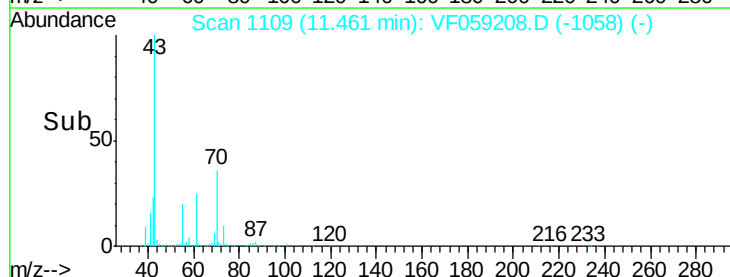
20000

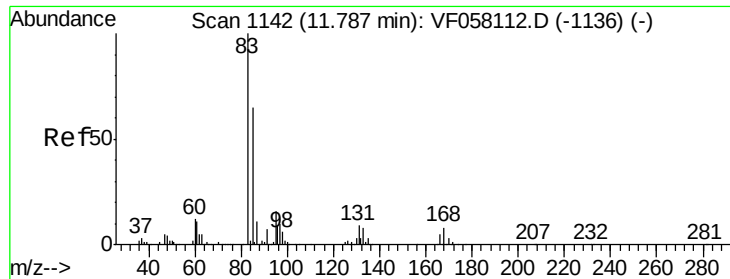
0

11.46

11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.447 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF059208.D

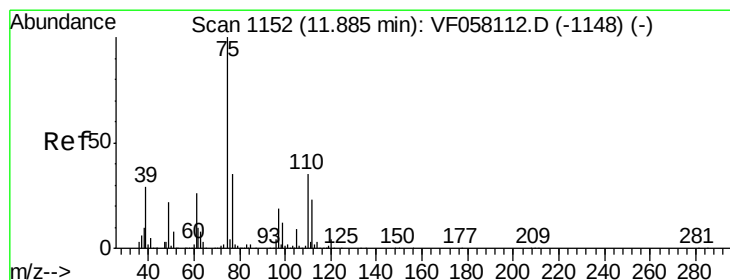
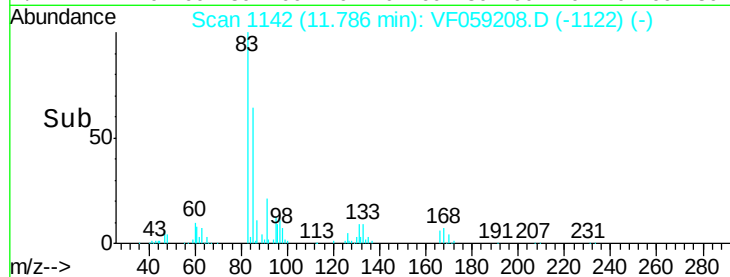
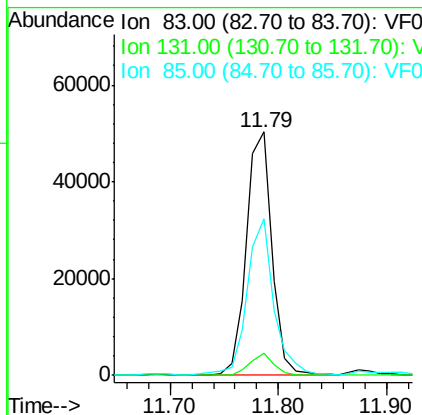
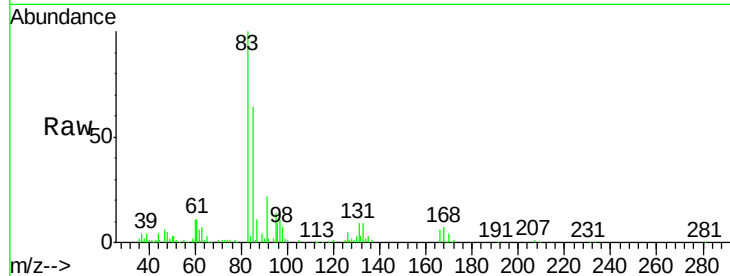
Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	83	Resp:	82811
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.7
85	64.1	32.8	98.3



#76

1,2,3-Trichloropropane

Concen: 22.928 ug/l

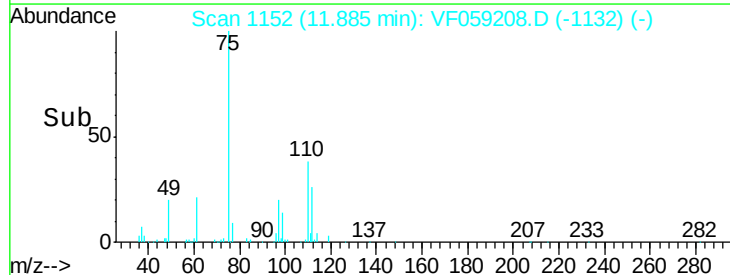
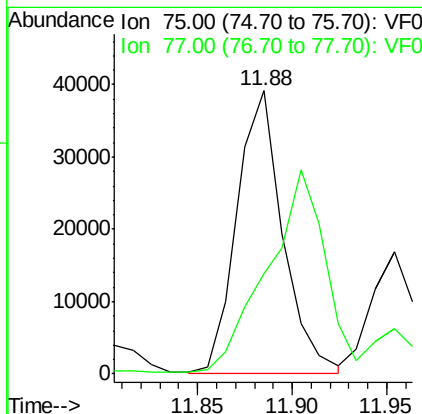
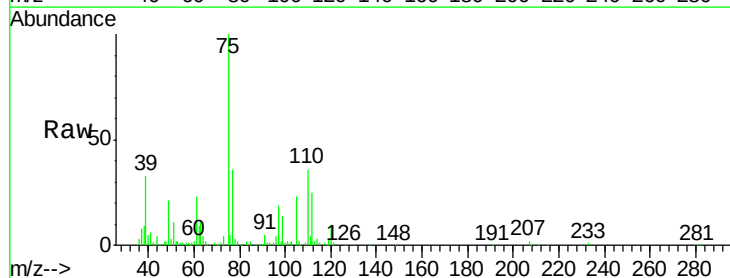
RT: 11.88 min Scan# 1152

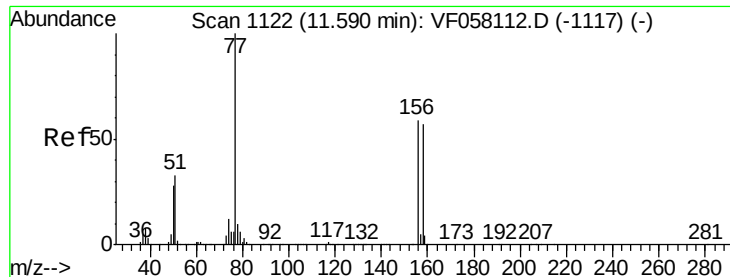
Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Tgt Ion:	75	Resp:	65384
Ion	Ratio	Lower	Upper
75	100		
77	35.6	17.5	52.5





#77

Bromobenzene

Concen: 21.743 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

ClientSampleId :

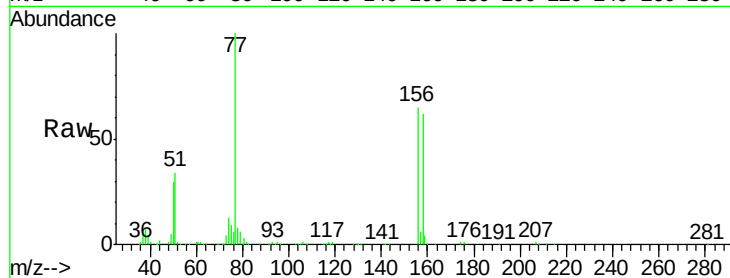
Tot Ion:156 Resp: 89121

Ion Ratio Lower Upper

156 100

77 154.0 84.8 254.4

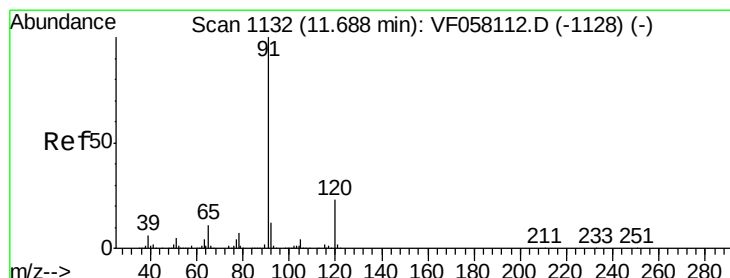
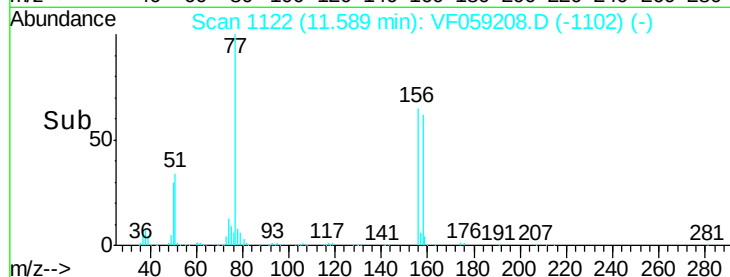
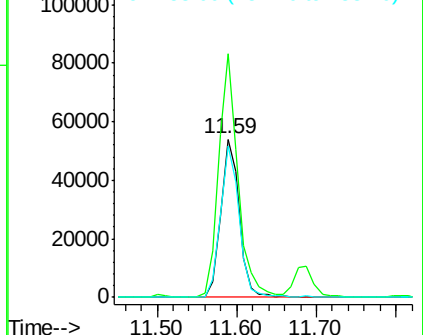
158 96.1 47.9 143.7



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: 21.320 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF059208.D

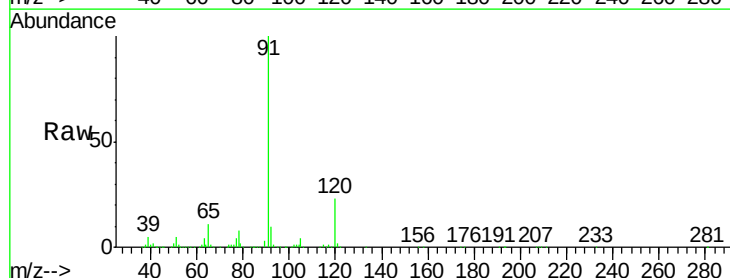
Acq: 20 Jun 2018 2:07

Tgt Ion: 91 Resp: 410992

Ion Ratio Lower Upper

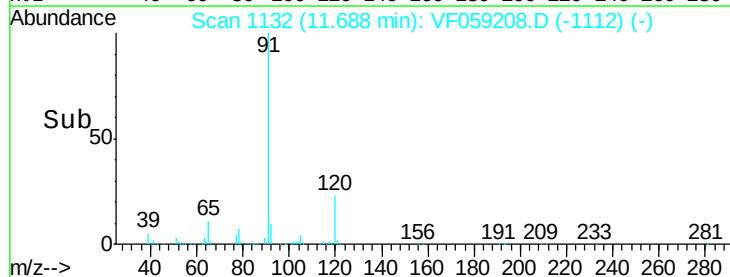
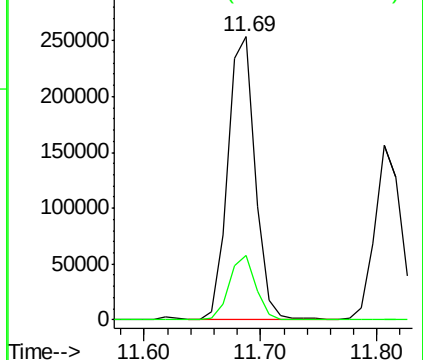
91 100

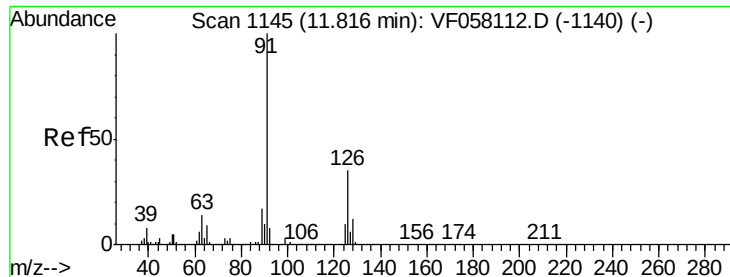
120 22.7 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.297 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

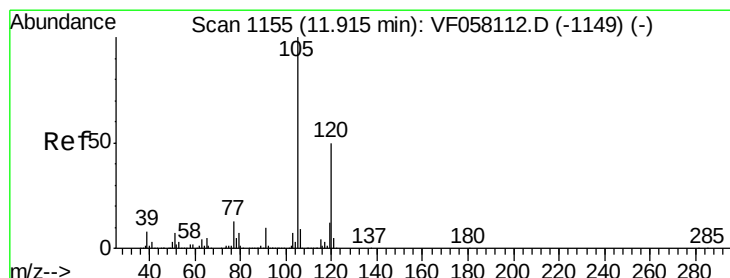
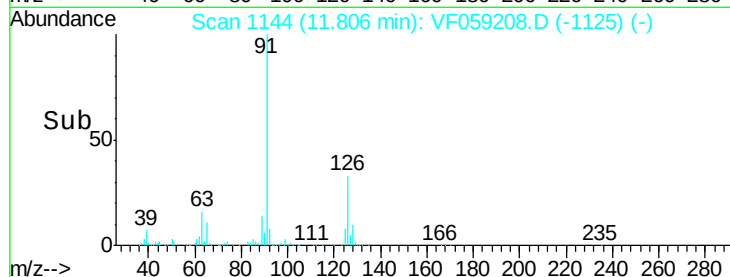
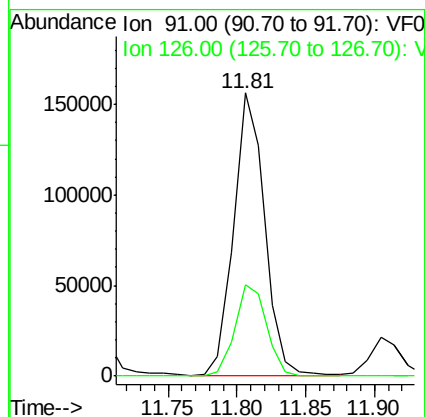
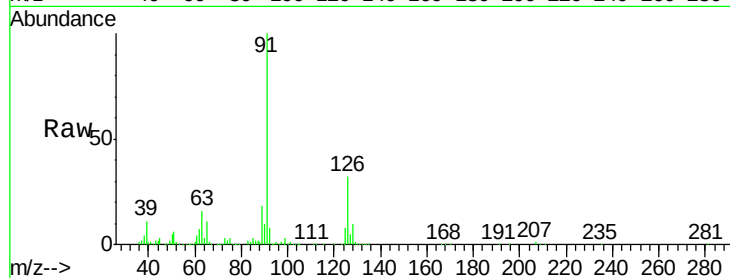
ClientSampleId :

Tot Ion: 91 Resp: 242534

Ion Ratio Lower Upper

91 100

126 32.5 17.6 52.9



#80

1,3,5-Trimethylbenzene

Concen: 22.086 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059208.D

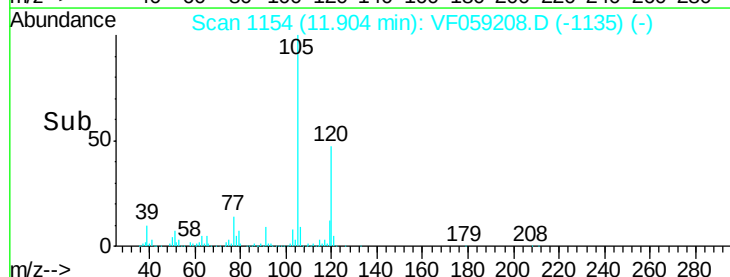
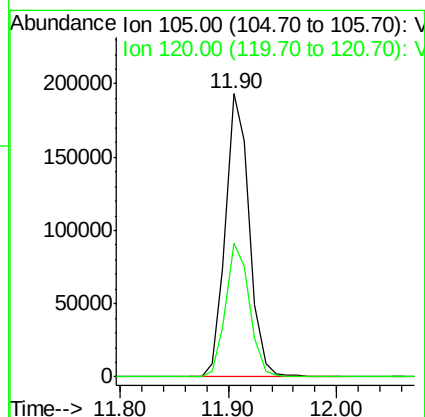
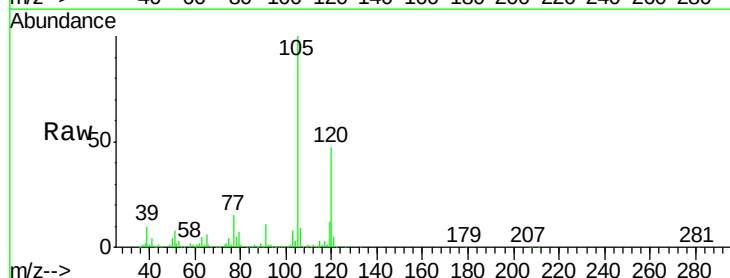
Acq: 20 Jun 2018 2:07

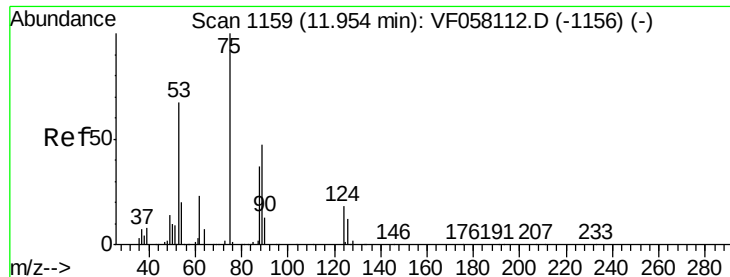
Tgt Ion:105 Resp: 297713

Ion Ratio Lower Upper

105 100

120 47.4 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.574 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

ClientSampled :

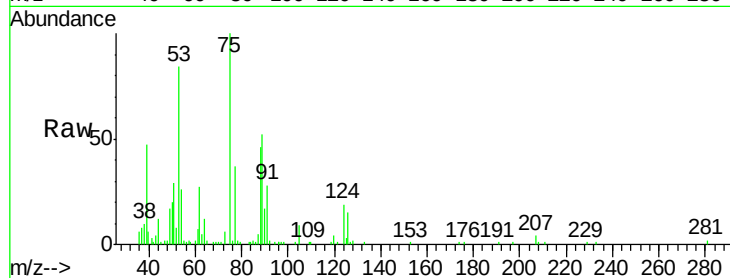
Tot Ion: 75 Resp: 36190

Ion Ratio Lower Upper

75 100

53 84.3 58.7 88.1

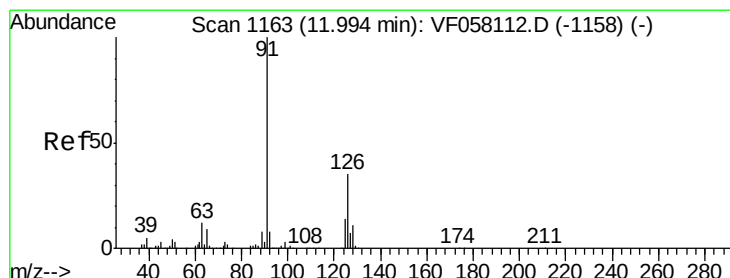
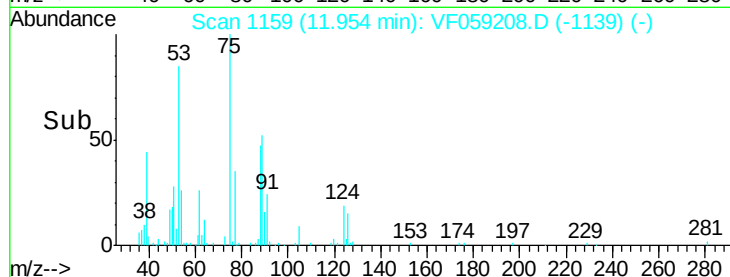
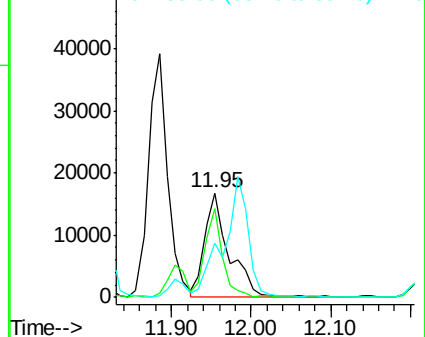
89 51.8 39.8 59.6



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: 20.778 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VF059208.D

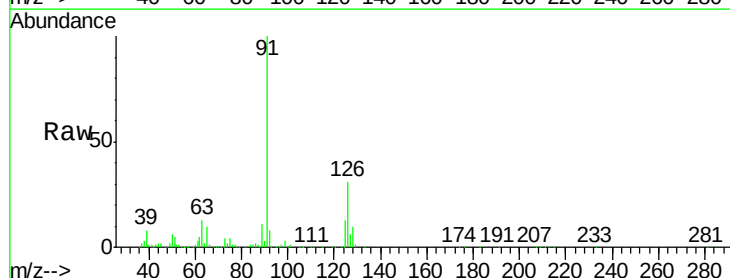
Acq: 20 Jun 2018 2:07

Tgt Ion: 91 Resp: 251916

Ion Ratio Lower Upper

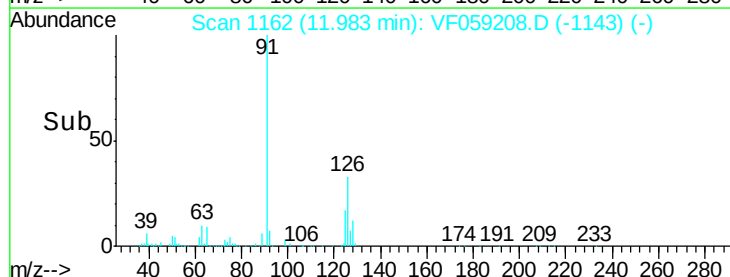
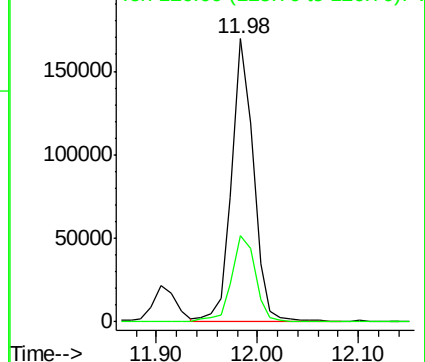
91 100

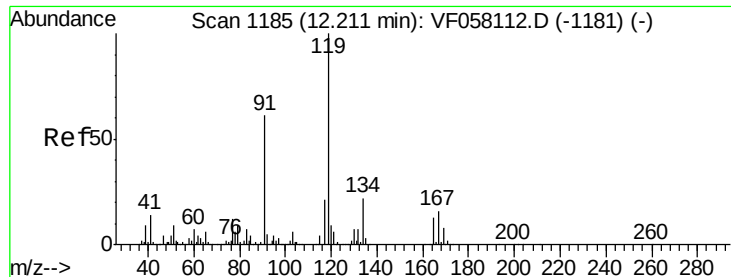
126 30.7 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

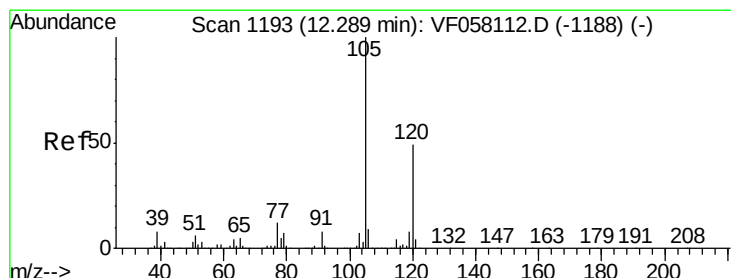
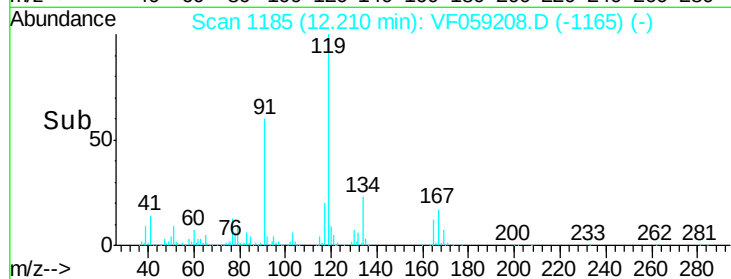
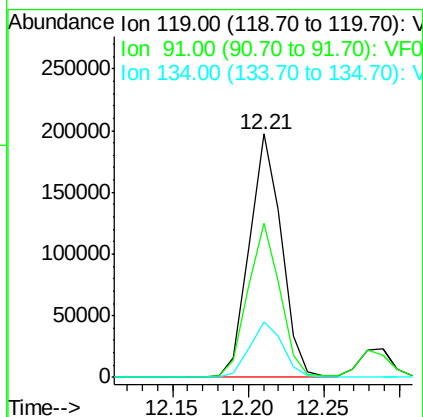
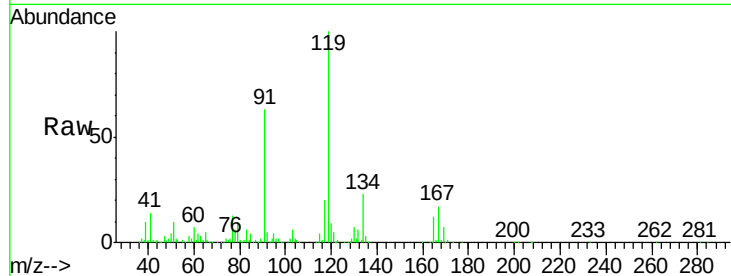




#83
 tert-Butylbenzene
 Concen: 21.969 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF059208.D
 Acq: 20 Jun 2018 2:07

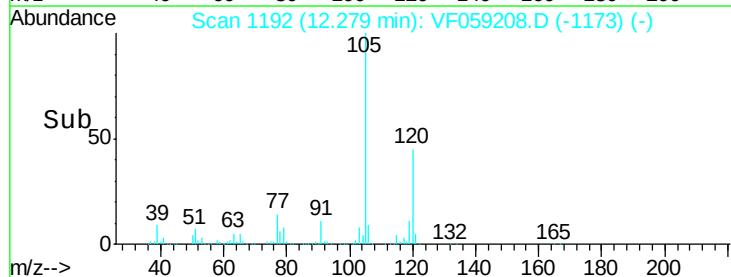
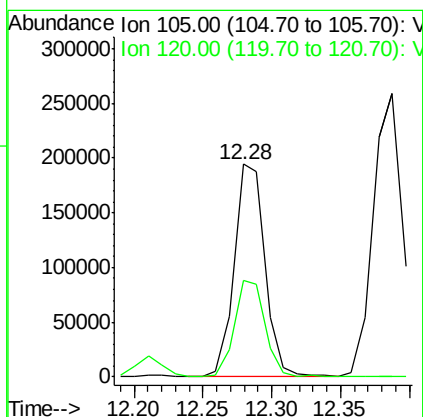
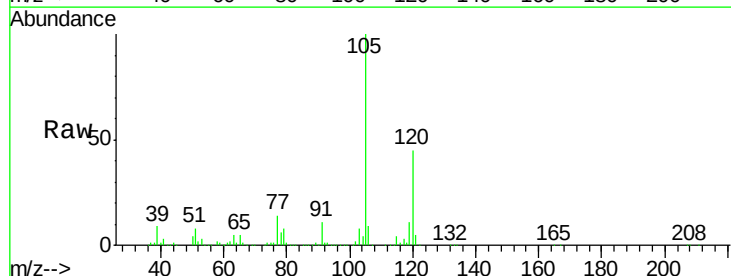
Instrument :
 MSVOA_F
 ClientSampled :

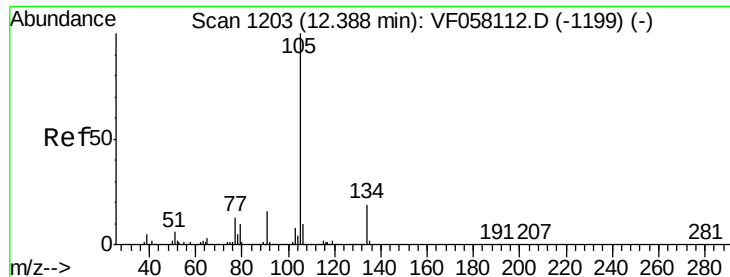
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.4	30.4	91.3
134	23.0	11.2	33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.630 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059208.D
 Acq: 20 Jun 2018 2:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	24.7	74.1





#85

sec-Butylbenzene

Concen: 21.445 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

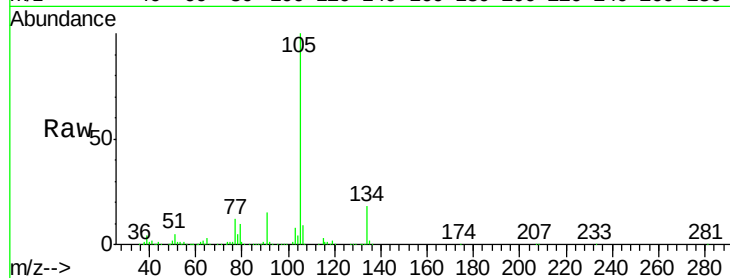
ClientSampled :

Tot Ion:105 Resp: 390016

Ion Ratio Lower Upper

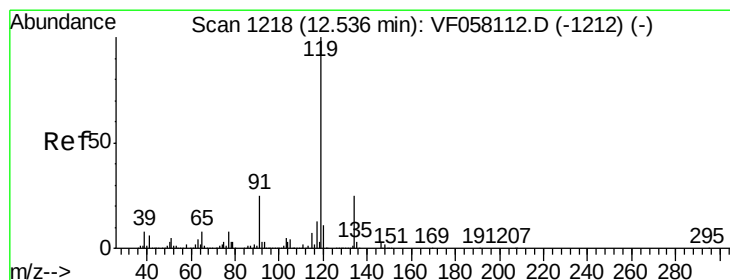
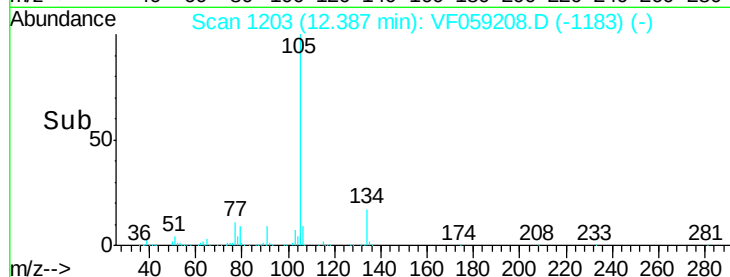
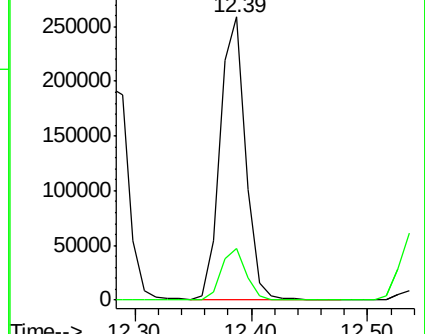
105 100

134 18.4 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.541 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

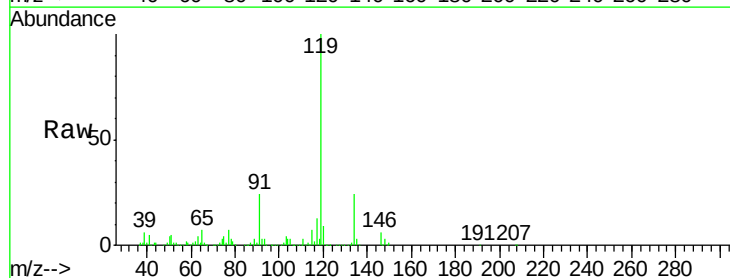
Tgt Ion:119 Resp: 336716

Ion Ratio Lower Upper

119 100

134 24.2 12.7 38.0

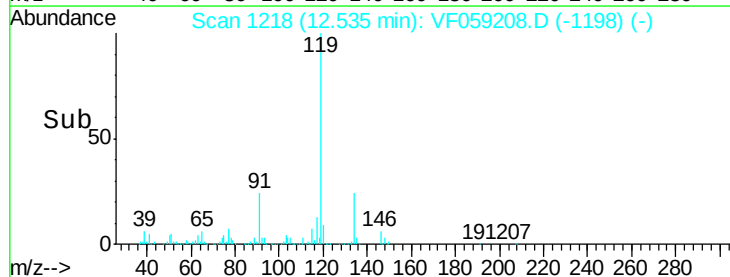
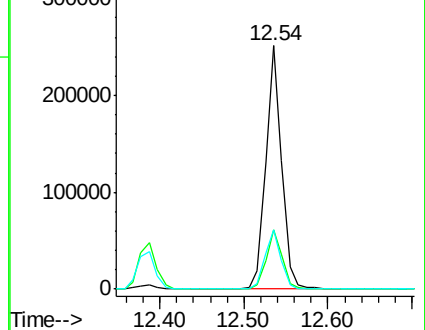
91 24.4 12.6 37.6

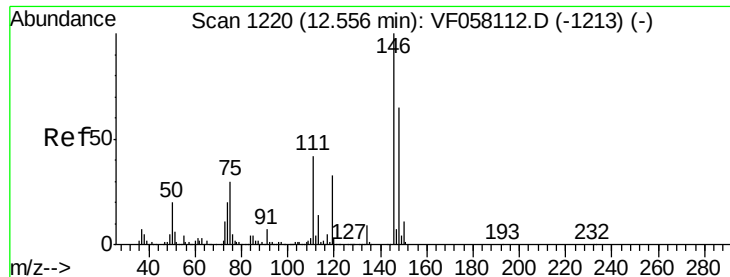


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 22.307 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

ClientSampled :

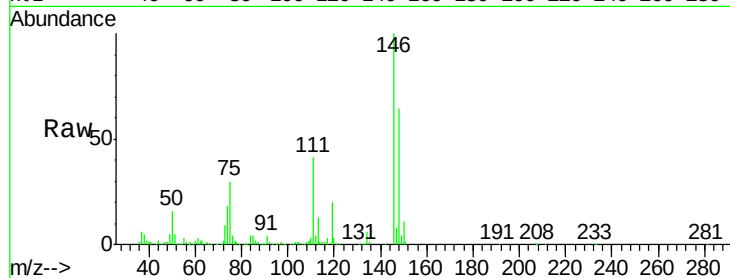
Tot Ion:146 Resp: 168812

Ion Ratio Lower Upper

146 100

111 41.0 20.8 62.5

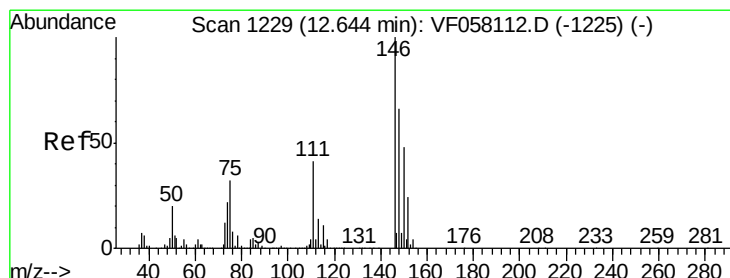
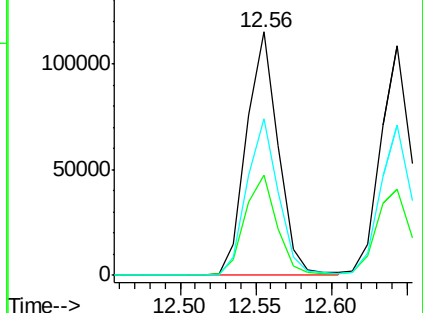
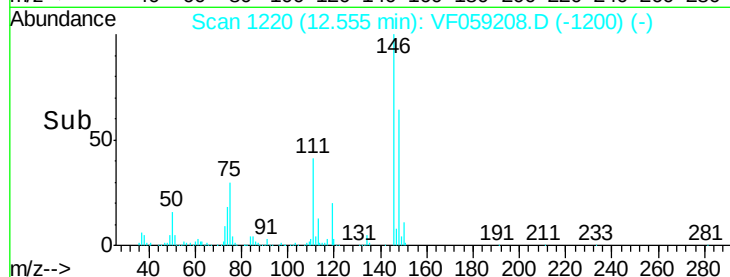
148 64.2 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 21.563 ug/l

RT: 12.64 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

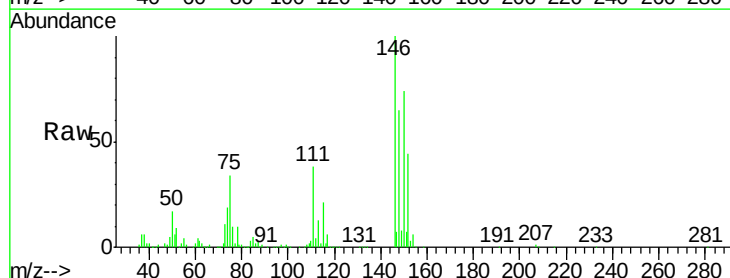
Tgt Ion:146 Resp: 157249

Ion Ratio Lower Upper

146 100

111 37.7 20.4 61.2

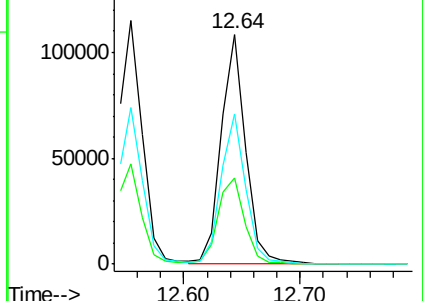
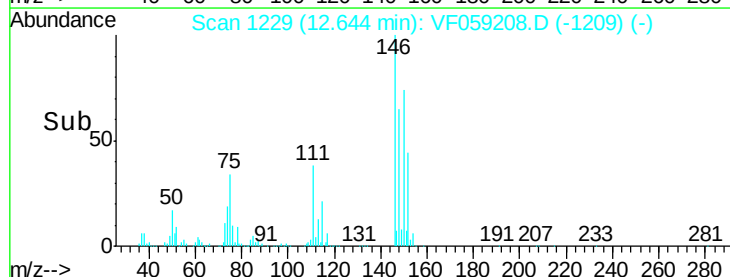
148 65.4 33.0 99.0

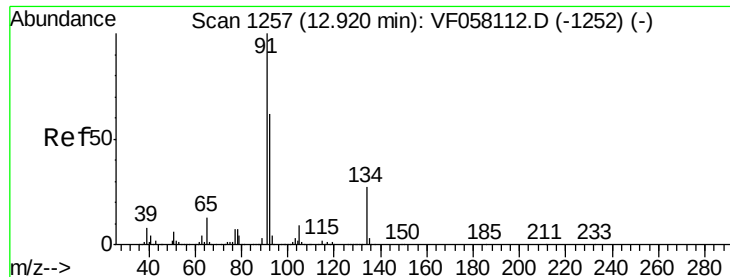


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 19.758 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

ClientSampleId :

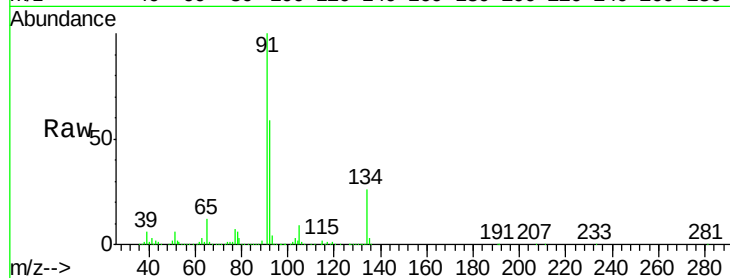
Tot Ion: 91 Resp: 336291

Ion Ratio Lower Upper

91 100

92 58.6 31.1 93.5

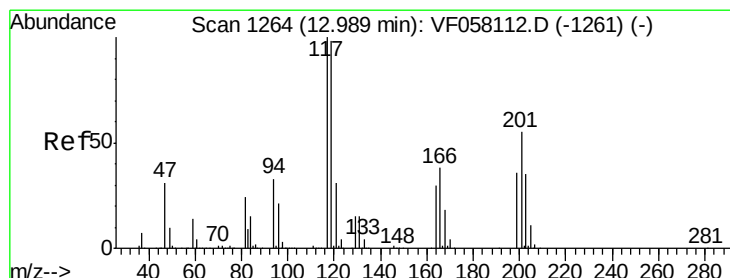
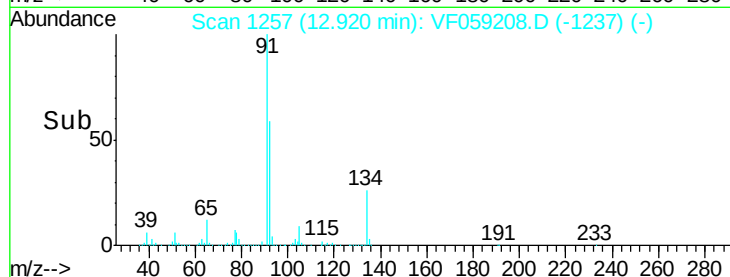
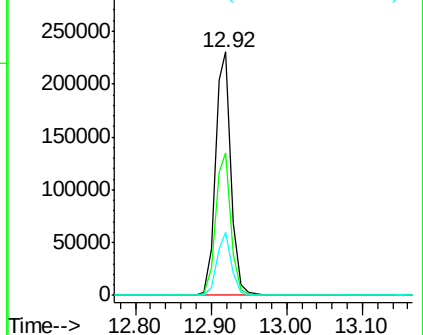
134 25.9 13.6 40.8



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: 21.328 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VF059208.D

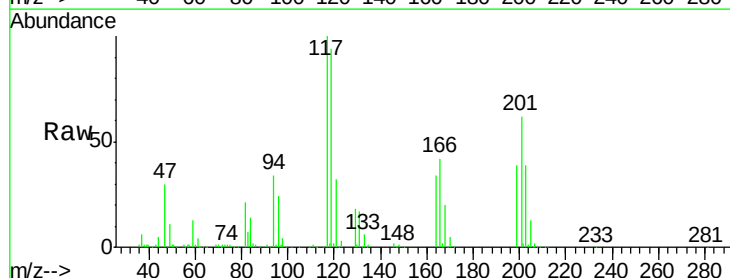
Acq: 20 Jun 2018 2:07

Tgt Ion: 117 Resp: 78456

Ion Ratio Lower Upper

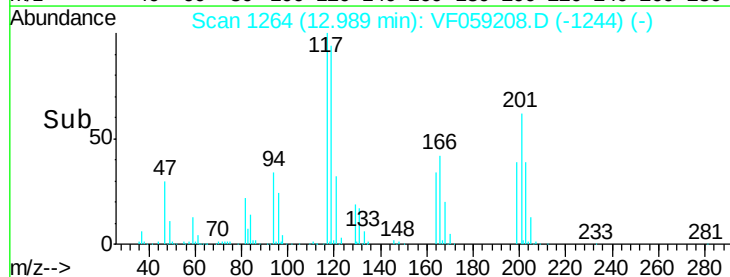
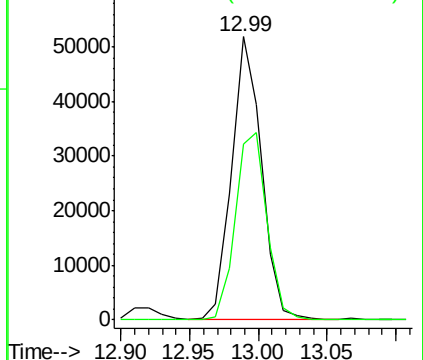
117 100

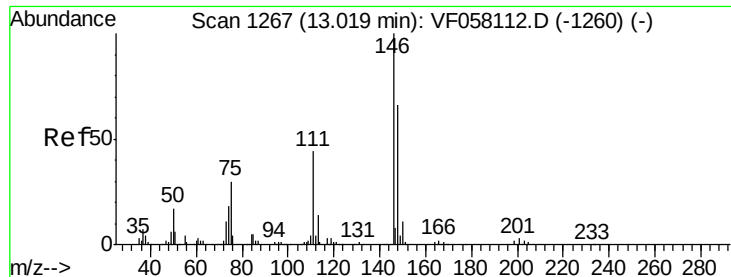
201 61.9 27.5 82.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 21.973 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VF059208.D

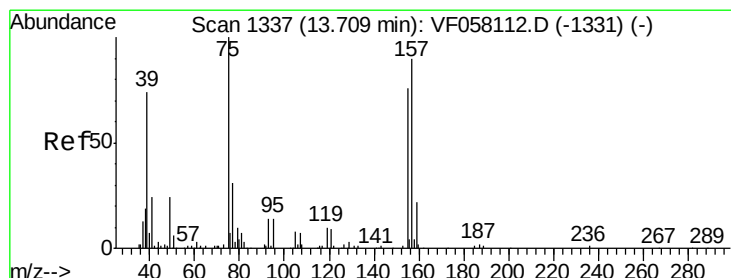
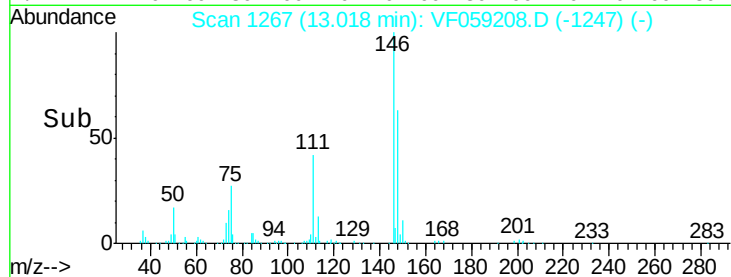
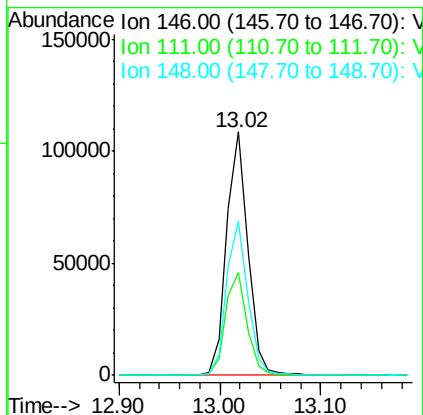
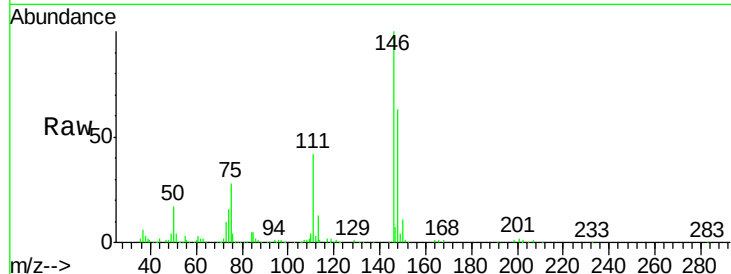
Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:	146	Resp:	160190
Ion	Ratio	Lower	Upper
146	100		
111	42.1	22.0	66.0
148	63.5	33.1	99.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.910 ug/l

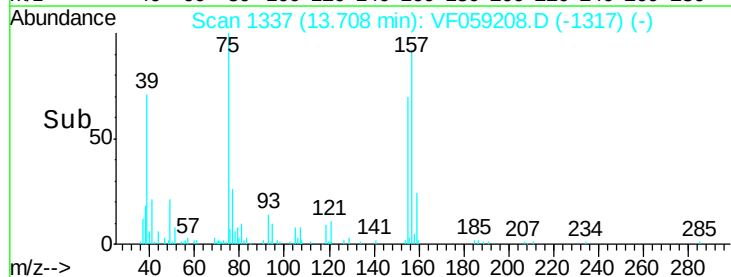
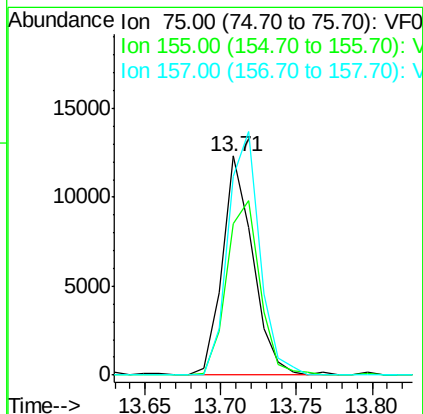
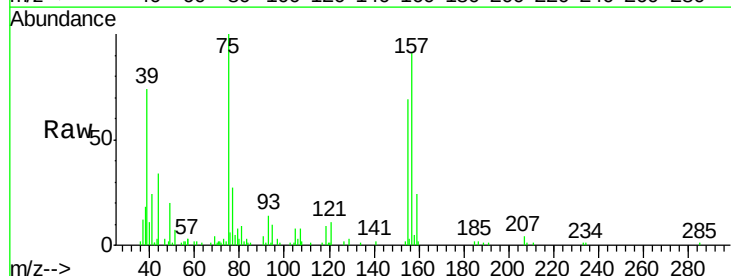
RT: 13.71 min Scan# 1337

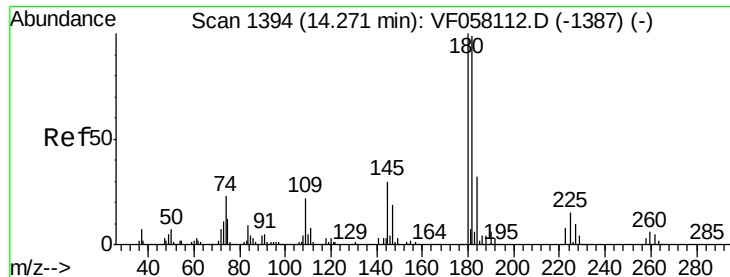
Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Tgt Ion:	75	Resp:	17352
Ion	Ratio	Lower	Upper
75	100		
155	71.7	38.0	114.0
157	90.5	45.1	135.5

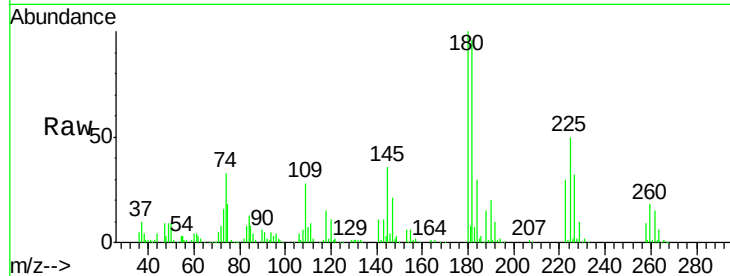




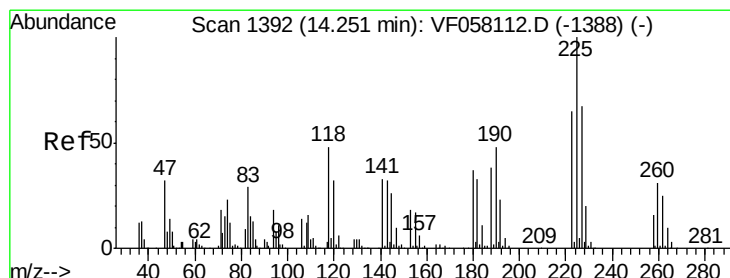
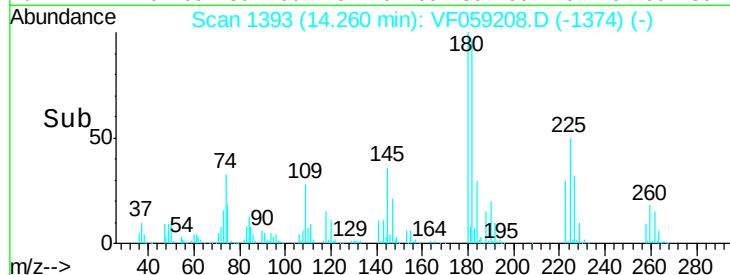
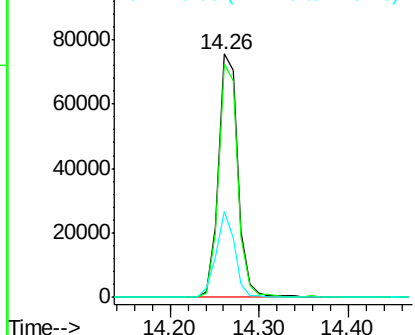
#93
 1,2,4-Trichlorobenzene
 Concen: 22.962 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059208.D
 Acq: 20 Jun 2018 2:07

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	49.3	147.9
145	35.5	14.9	44.9

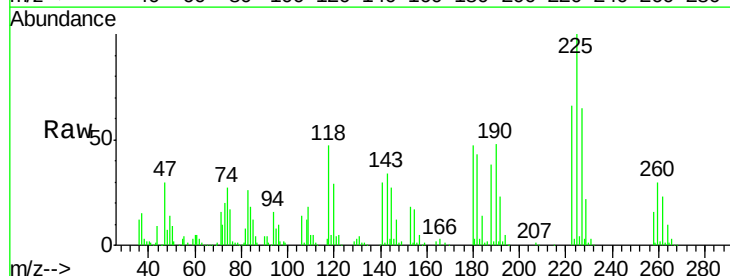


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

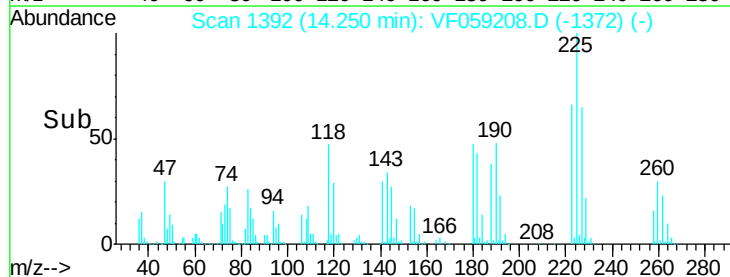
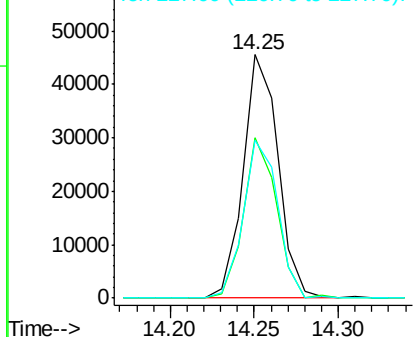


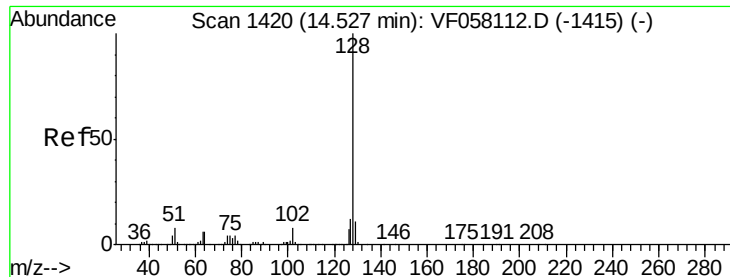
#94
 Hexachlorobutadiene
 Concen: 22.182 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF059208.D
 Acq: 20 Jun 2018 2:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.8	32.8	98.3
227	64.8	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: 23.043 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

ClientSampleId :

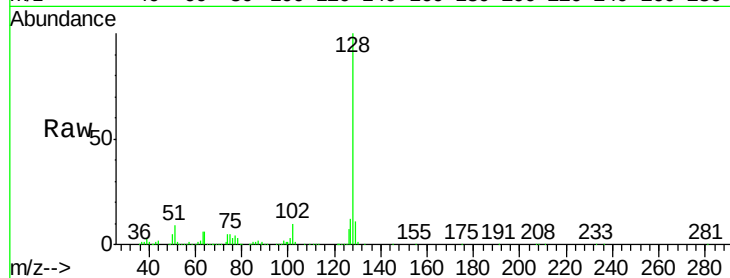
Tot Ion:128 Resp: 250970

Ion Ratio Lower Upper

128 100

127 12.3 9.9 14.9

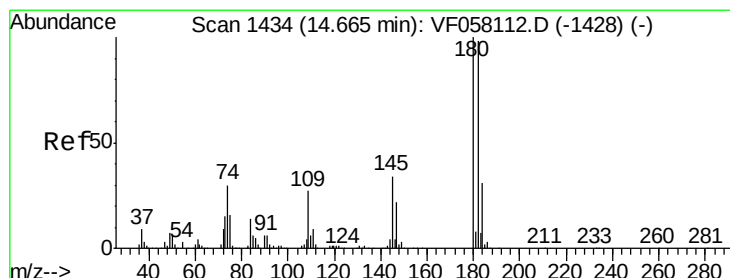
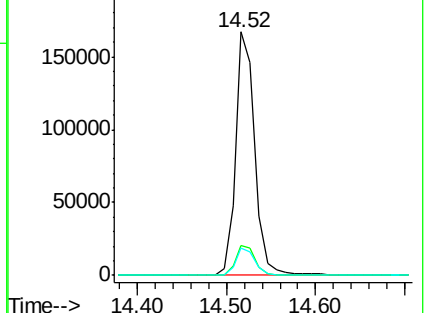
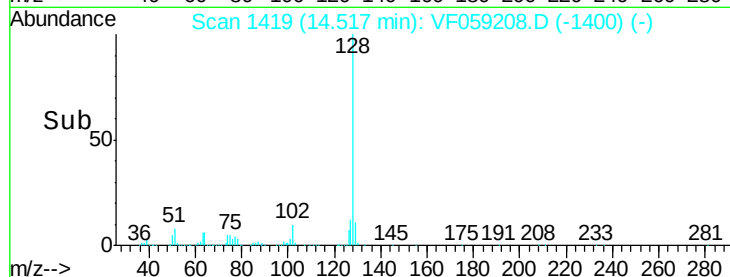
129 11.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 24.424 ug/l

RT: 14.66 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

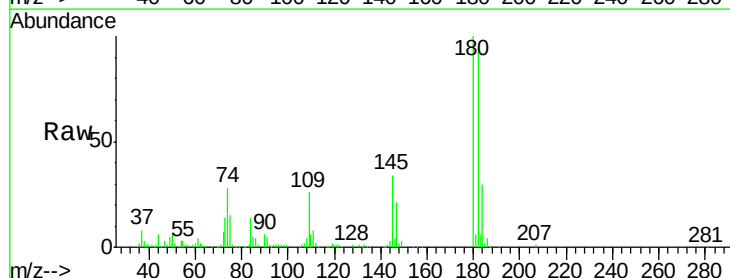
Tgt Ion:180 Resp: 115084

Ion Ratio Lower Upper

180 100

182 94.0 48.9 146.6

145 34.2 17.3 51.7



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

