

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059206.D
 Acq On : 20 Jun 2018 00:44
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.40g/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 20 03:06:06 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	273268	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	418542	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	412401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	239896	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	187129	56.46	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	112.92%	
35) Dibromofluoromethane	4.29	113	166613	56.73	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	113.46%	
50) Toluene-d8	7.71	98	432125	50.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.50	95	225443	50.95	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	101.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	144029	46.567	ug/l	96
3) Chloromethane	1.08	50	102424	42.752	ug/l	96
4) Vinyl Chloride	1.14	62	101094	46.771	ug/l	95
5) Bromomethane	1.34	94	62987	50.013	ug/l	89
6) Chloroethane	1.43	64	47841	53.344	ug/l	95
7) Trichlorofluoromethane	1.49	101	56151	16.713	ug/l	100
8) Diethyl Ether	1.69	74	47337	56.000	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.90	101	97993	45.764	ug/l	99
10) Methyl Iodide	1.96	142	198995	53.113	ug/l	92
11) Tert butyl alcohol	2.68	59	59651	280.909	ug/l	99
12) 1,1-Dichloroethene	1.85	96	95739	53.171	ug/l	84
13) Acrolein	2.09	56	40842	222.212	ug/l	92
14) Allyl chloride	2.19	41	183738	51.991	ug/l	99
15) Acrylonitrile	3.07	53	139021	329.634	ug/l	95
16) Acetone	2.33	43	188246	237.897	ug/l	94
17) Carbon Disulfide	1.84	76	69051	13.659	ug/l	99
18) Methyl Acetate	2.44	43	87163	64.077	ug/l	100
19) Methyl tert-butyl Ether	2.53	73	337258	60.336	ug/l	100
20) Methylene Chloride	2.27	84	55291	29.182	ug/l	98
21) trans-1,2-Dichloroethene	2.40	96	99673	50.474	ug/l	90
22) Diisopropyl ether	2.91	45	414572	59.675	ug/l	95
23) Vinyl Acetate	3.33	43	1277829	278.969	ug/l	99
24) 1,1-Dichloroethane	2.99	63	233150	55.357	ug/l	99
25) 2-Butanone	4.50	43	308586	251.543	ug/l	92
26) 2,2-Dichloropropane	3.75	77	140240	45.897	ug/l	94
27) cis-1,2-Dichloroethene	3.62	96	157888	51.950	ug/l	98
28) Bromochloromethane	3.88	49	98579	52.001	ug/l	# 99
29) Tetrahydrofuran	4.25	42	144236	266.832	ug/l	98
30) Chloroform	4.03	83	329805	54.739	ug/l	93
31) Cyclohexane	3.85	56	170056	46.220	ug/l	98
32) 1,1,1-Trichloroethane	4.27	97	237188	52.731	ug/l	96
36) 1,1-Dichloropropene	4.45	75	222031	54.729	ug/l	100
37) Ethyl Acetate	4.28	43	148547	59.260	ug/l	98
38) Carbon Tetrachloride	4.16	117	285146	64.853	ug/l	97

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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)
39) Methylcyclohexane	5.62	83	208130	50.330	ug/l	99
40) Benzene	4.80	78	473229	50.255	ug/l	100
41) Methacrylonitrile	4.91	41	71459	58.025	ug/l	96
42) 1,2-Dichloroethane	5.10	62	258552	61.221	ug/l	98
43) Isopropyl Acetate	7.10	43	193982	57.782	ug/l	94
44) Trichloroethene	5.67	130	158228	53.778	ug/l	93
45) 1,2-Dichloropropane	6.39	63	139211	51.273	ug/l	98
46) Dibromomethane	6.25	93	113656	55.637	ug/l #	83
47) Bromodichloromethane	6.54	83	266284	57.298	ug/l	99
48) Methyl methacrylate	6.87	41	124000	59.917	ug/l	96
49) 1,4-Dioxane	6.87	88	13476	890.099	ug/l	91
51) 4-Methyl-2-Pentanone	8.40	43	638690	277.577	ug/l	97
52) Toluene	7.77	92	347787	51.278	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	240658	53.471	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	266040	51.457	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	140616	57.212	ug/l	99
56) Ethyl methacrylate	8.75	69	173479	55.997	ug/l	91
57) 1,3-Dichloropropane	9.00	76	227729	54.166	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	59815	270.020	ug/l	100
59) 2-Hexanone	9.63	43	499021	274.181	ug/l	95
60) Dibromochloromethane	8.86	129	205829	58.278	ug/l	100
61) 1,2-Dibromoethane	9.13	107	166151	58.179	ug/l	95
64) Tetrachloroethene	8.30	164	170348	56.318	ug/l	92
65) Chlorobenzene	9.93	112	429587	52.604	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	178874	55.063	ug/l	95
67) Ethyl Benzene	10.03	91	734169	51.739	ug/l	99
68) m/p-Xylenes	10.26	106	541637	101.953	ug/l	94
69) o-Xylene	10.82	106	307587	53.570	ug/l	98
70) Styrene	10.90	104	441180	50.784	ug/l	99
71) Bromoform	10.88	173	130651	59.222	ug/l #	95
73) Isopropylbenzene	11.22	105	848162	51.066	ug/l	98
74) N-amyl acetate	11.46	43	311417	52.489	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	203123	51.584	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	154417	53.097	ug/l	99
77) Bromobenzene	11.59	156	222112	53.136	ug/l	90
78) n-propylbenzene	11.68	91	973201	49.504	ug/l	95
79) 2-Chlorotoluene	11.81	91	573600	49.389	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	714421	51.970	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	91085	48.307	ug/l	90
82) 4-Chlorotoluene	11.98	91	637751	51.581	ug/l	95
83) tert-Butylbenzene	12.21	119	697978	51.135	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	724338	50.854	ug/l	91
85) sec-Butylbenzene	12.39	105	923997	49.818	ug/l	98
86) p-Isopropyltoluene	12.54	119	817453	53.661	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	394706	51.145	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	390070	52.449	ug/l	99
89) n-Butylbenzene	12.91	91	801075	50.854	ug/l	94
90) Hexachloroethane	12.99	117	196072	52.265	ug/l	91
91) 1,2-Dichlorobenzene	13.02	146	390705	52.552	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	45544	58.965	ug/l	91

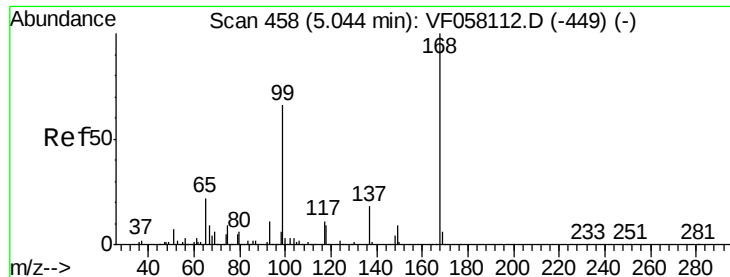
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Quant Title : SW846 8260
QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	285979	54.995	ug/l	94
94) Hexachlorobutadiene	14.25	225	169840	56.441	ug/l	97
95) Naphthalene	14.52	128	641468	57.753	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	279291	58.121	ug/l	99

(#) = 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: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

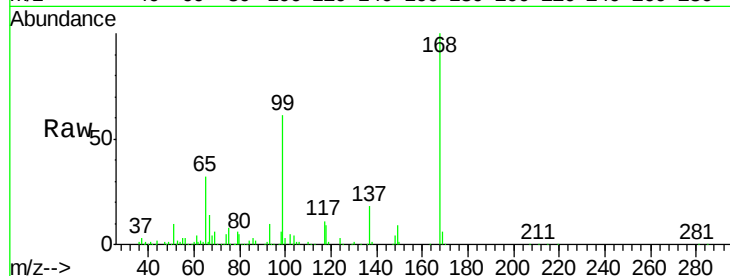
ClientSampleId :

Tot Ion:168 Resp: 273268

Ion Ratio Lower Upper

168 100

99 61.1 52.9 79.3

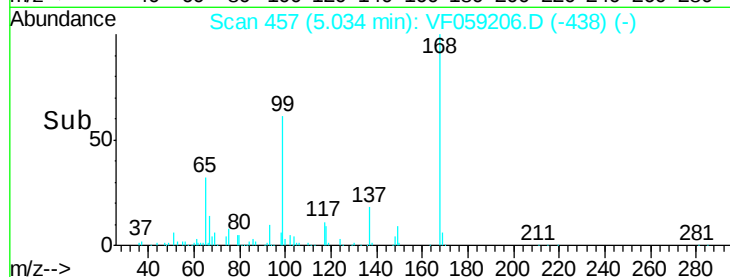


Abundance Ion 168.00 (167.70 to 168.70): VF0

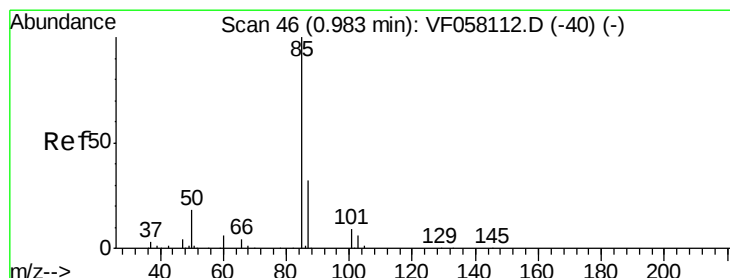
Ion 99.00 (98.70 to 99.70): VF0

5.03

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 46.567 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059206.D

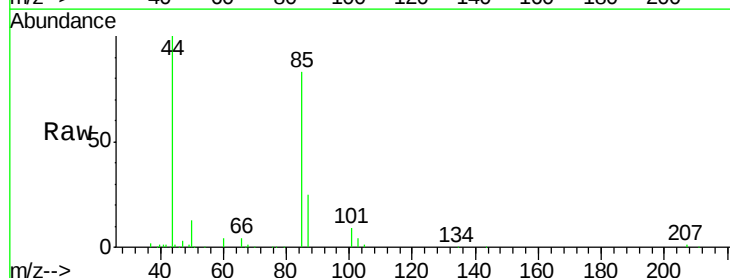
Acq: 20 Jun 2018 00:44

Tgt Ion: 85 Resp: 144029

Ion Ratio Lower Upper

85 100

87 30.0 16.2 48.6

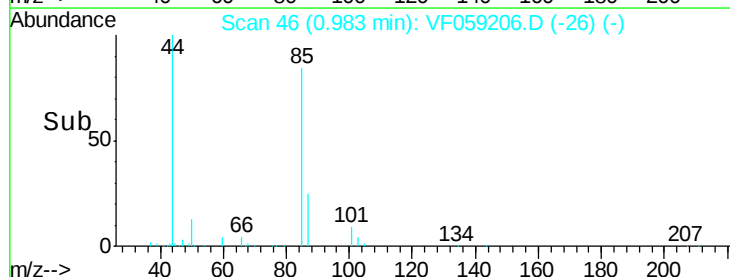


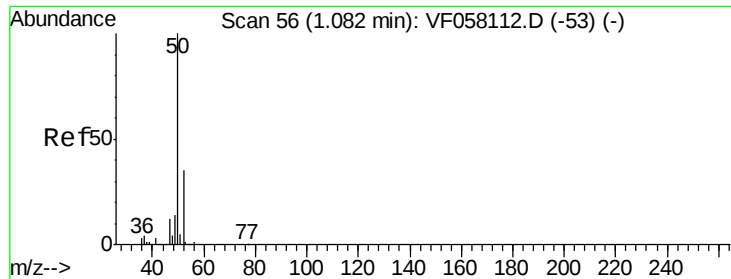
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

Time-->





#3

Chloromethane

Concen: 42.752 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

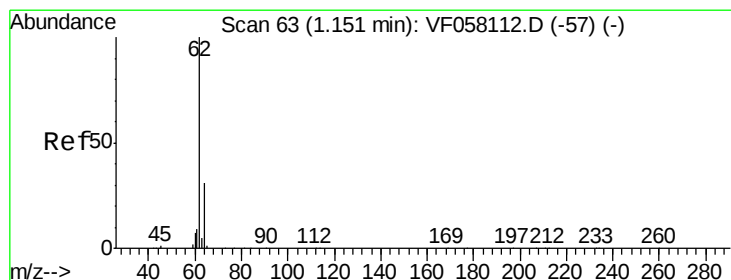
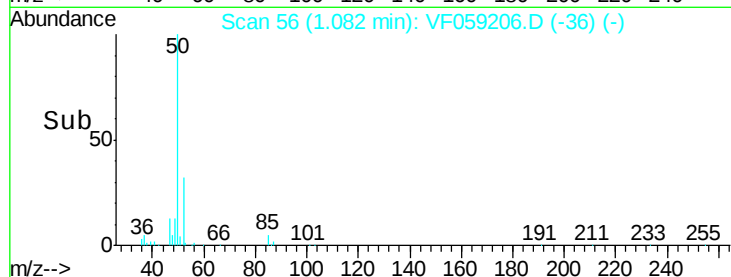
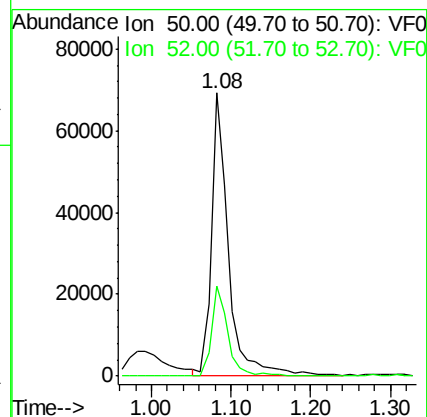
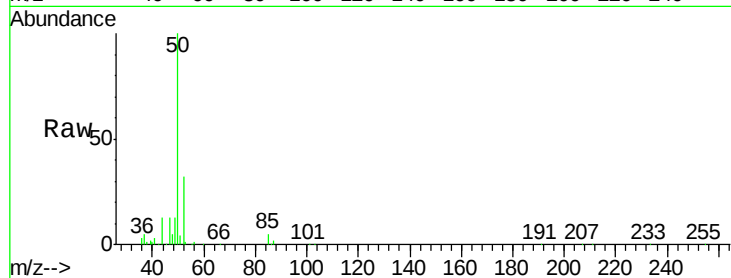
ClientSampleId :

Tot Ion: 50 Resp: 102424

Ion Ratio Lower Upper

50 100

52 32.0 27.3 40.9



#4

Vinyl Chloride

Concen: 46.771 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059206.D

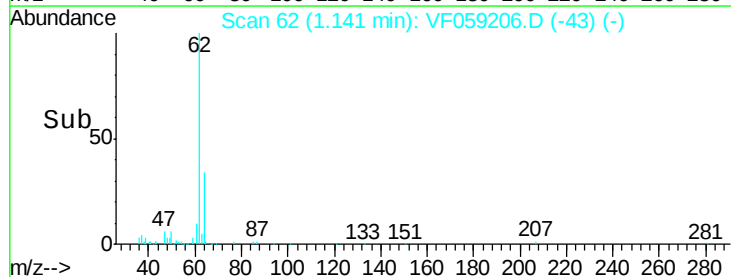
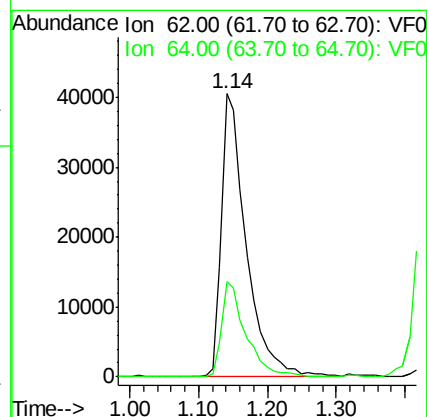
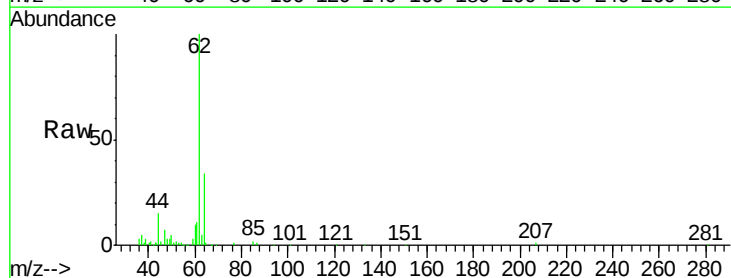
Acq: 20 Jun 2018 00:44

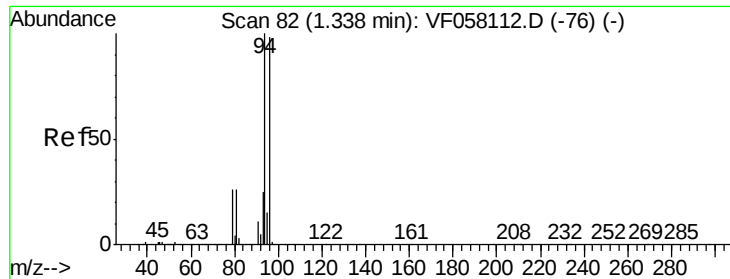
Tgt Ion: 62 Resp: 101094

Ion Ratio Lower Upper

62 100

64 33.8 25.0 37.6





#5

Bromomethane

Concen: 50.013 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

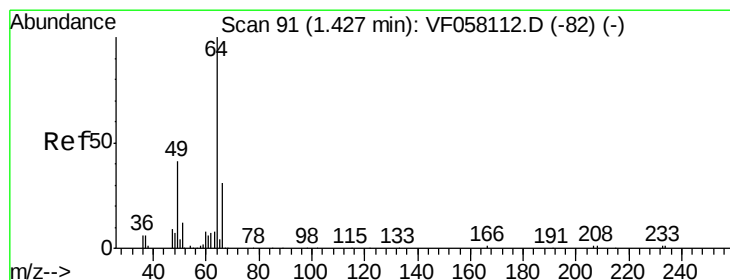
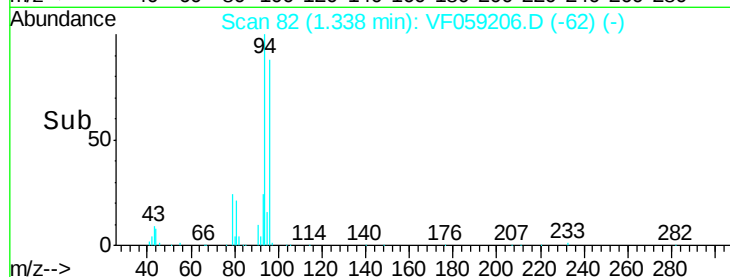
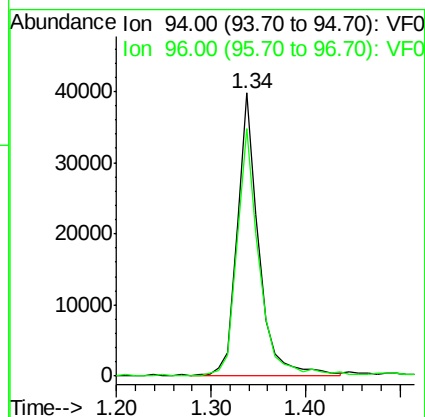
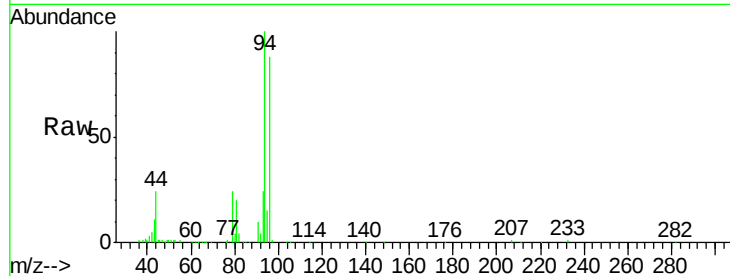
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 62987

Ion Ratio Lower Upper

94 100

96 87.6 78.6 117.8



#6

Chloroethane

Concen: 53.344 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF059206.D

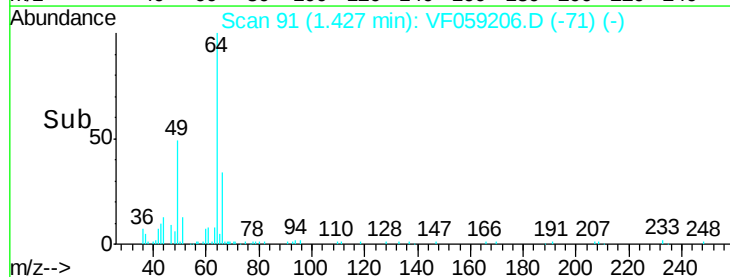
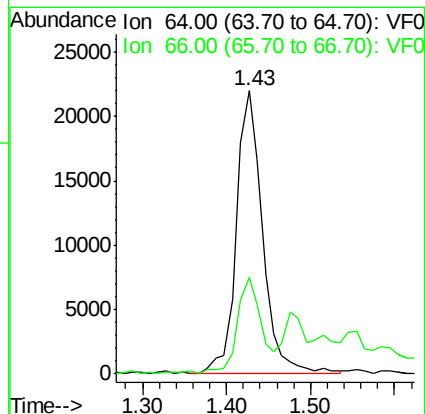
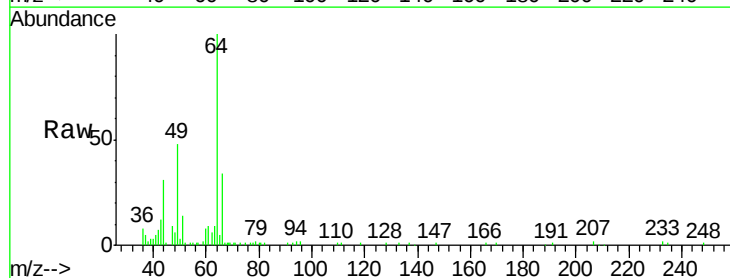
Acq: 20 Jun 2018 00:44

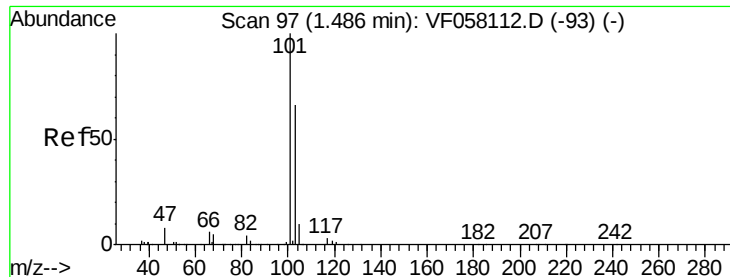
Tgt Ion: 64 Resp: 47841

Ion Ratio Lower Upper

64 100

66 34.0 24.9 37.3



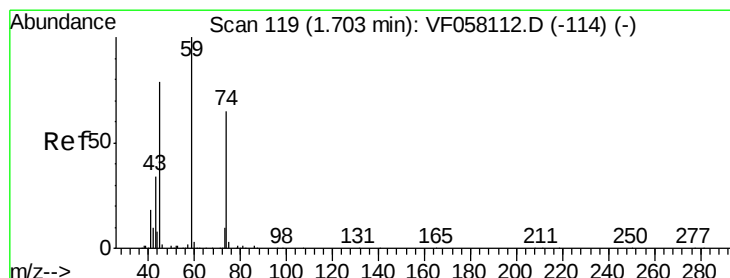
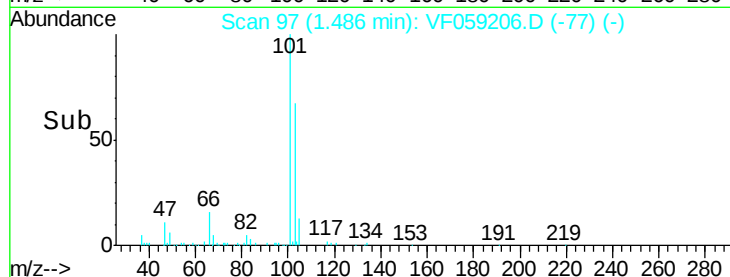
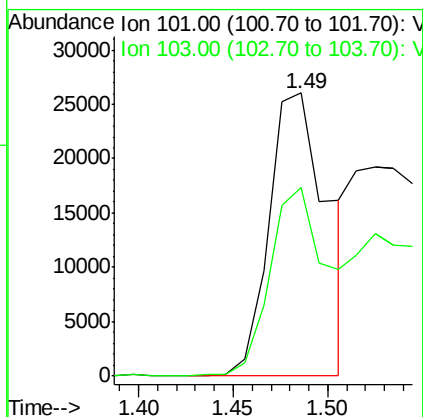
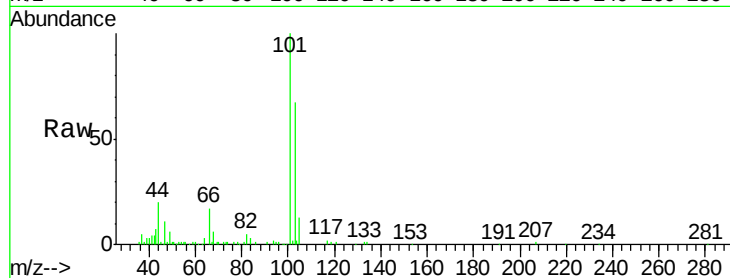


#7

Trichlorofluoromethane
 Concen: 16.713 ug/l
 RT: 1.49 min Scan# 97
 Delta R.T. -0.00 min
 Lab File: VF059206.D
 Acq: 20 Jun 2018 00:44

Instrument :
 MSVOA_F
 ClientSampled :

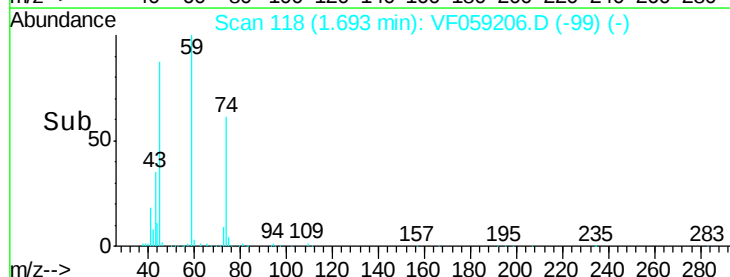
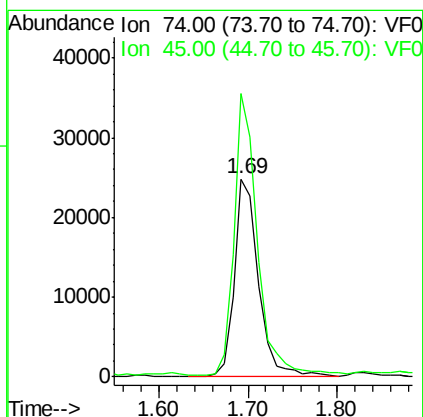
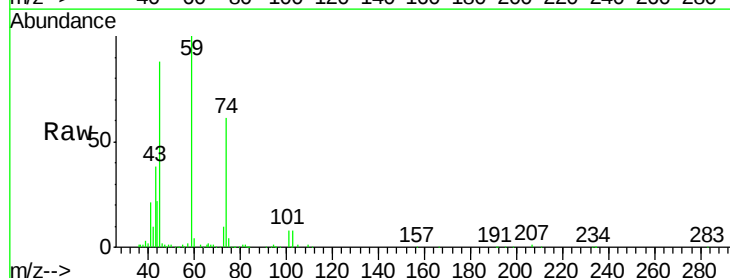
Tot Ion:101 Resp: 56151
 Ion Ratio Lower Upper
 101 100
 103 66.7 53.4 80.2



#8

Diethyl Ether
 Concen: 56.000 ug/l
 RT: 1.69 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF059206.D
 Acq: 20 Jun 2018 00:44

Tgt Ion: 74 Resp: 47337
 Ion Ratio Lower Upper
 74 100
 45 143.1 61.5 184.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.764 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

ClientSampleId :

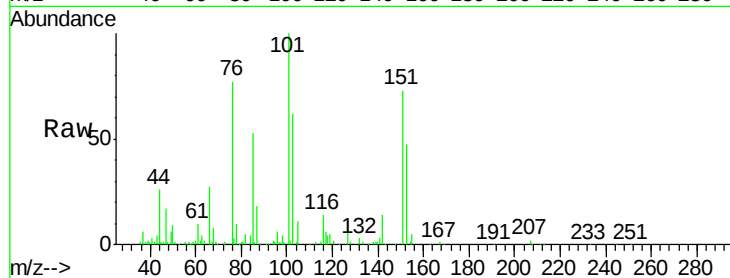
Tot Ion:101 Resp: 97993

Ion Ratio Lower Upper

101 100

85 52.2 42.2 63.4

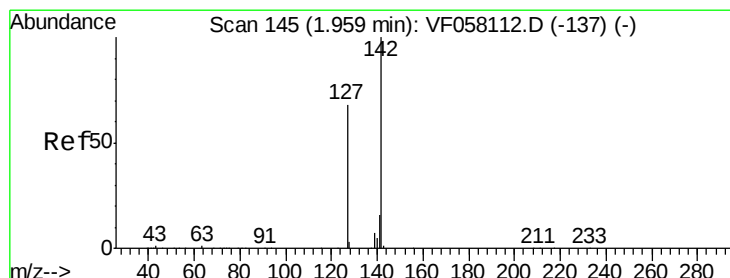
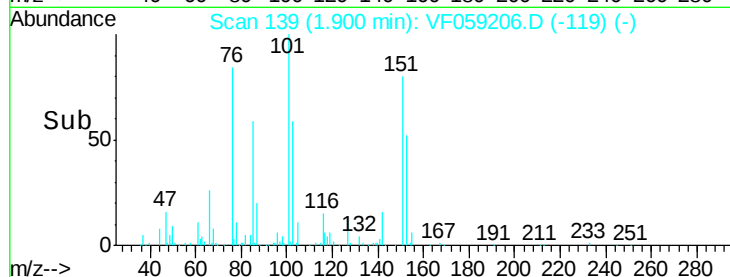
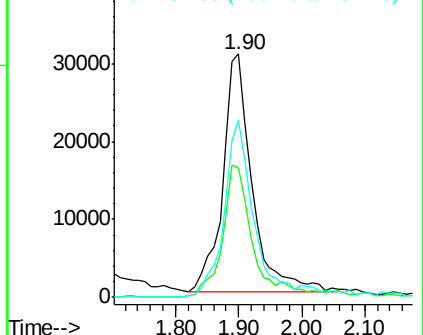
151 71.4 56.8 85.2



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: 53.113 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

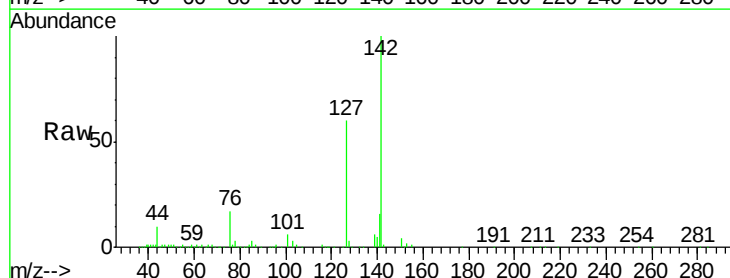
Tgt Ion:142 Resp: 198995

Ion Ratio Lower Upper

142 100

127 59.5 54.1 81.1

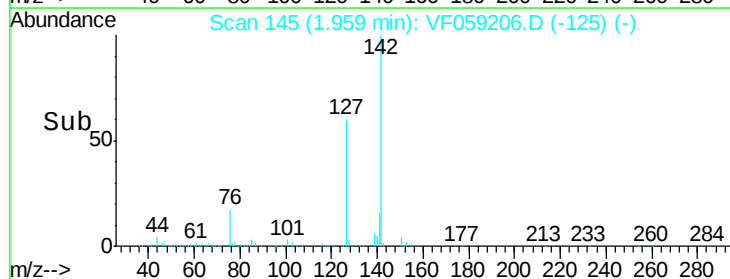
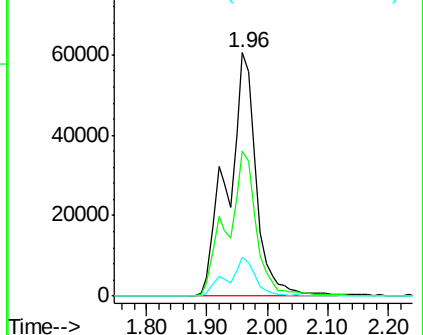
141 15.7 13.0 19.4

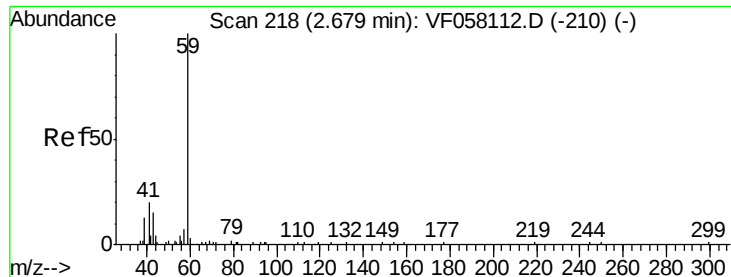


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



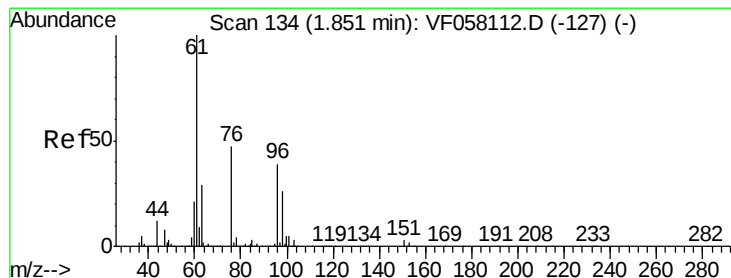
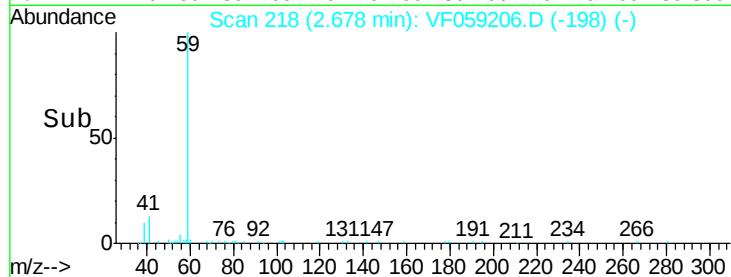
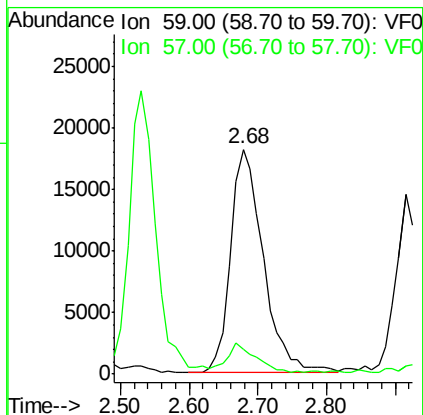
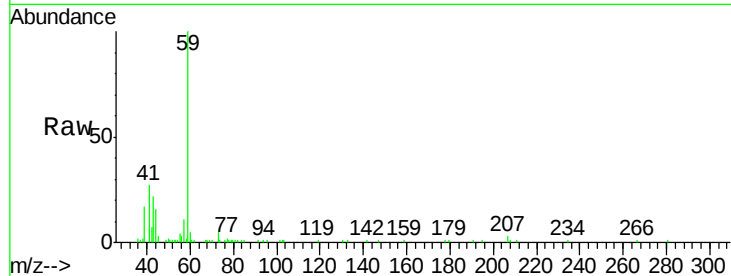


#11

Tert butyl alcohol
Concen: 280.909 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Instrument :
MSVOA_F
ClientSampleId :

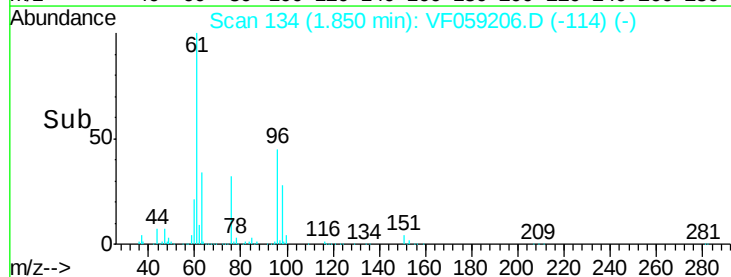
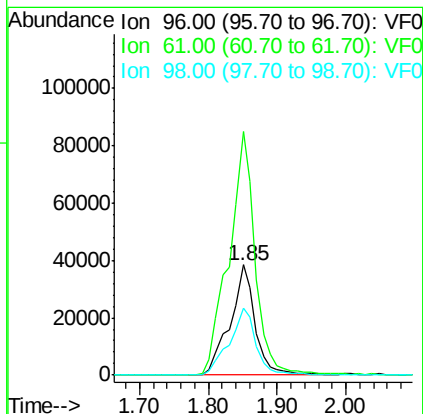
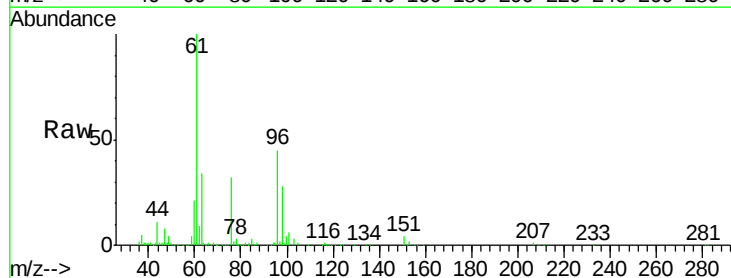
Tot Ion: 59 Resp: 59651
Ion Ratio Lower Upper
59 100
57 11.2 8.7 13.1

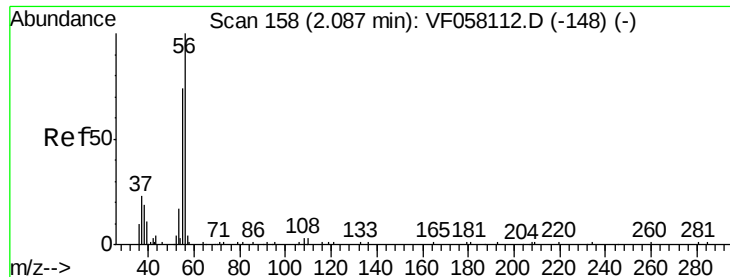


#12

1,1-Dichloroethene
Concen: 53.171 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion: 96 Resp: 95739
Ion Ratio Lower Upper
96 100
61 221.2 203.0 304.4
98 61.3 52.7 79.1





#13

Acrolein

Concen: 222.212 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

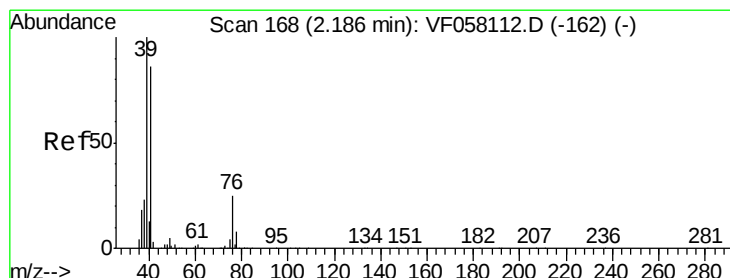
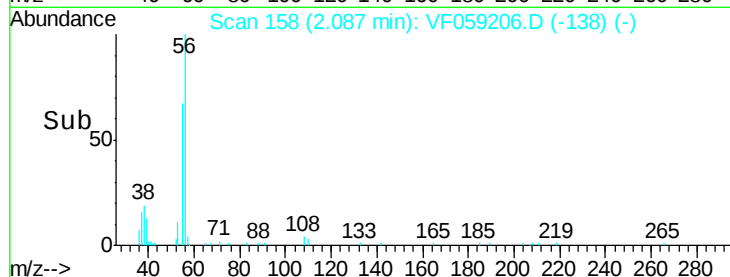
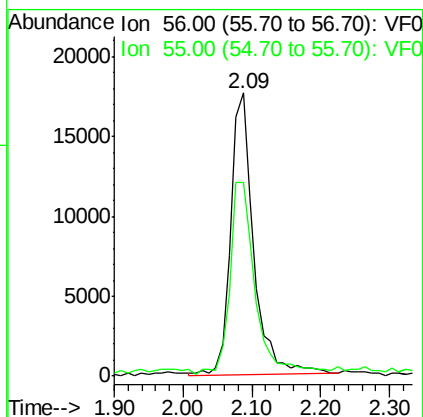
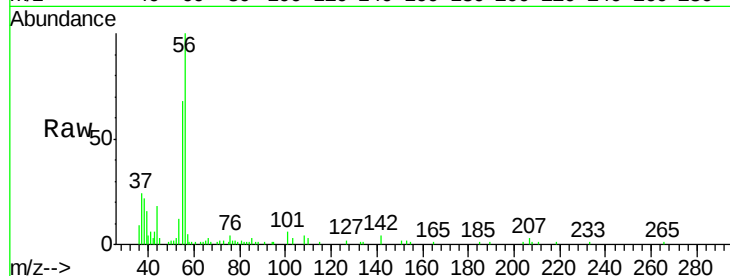
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 40842

Ion Ratio Lower Upper

56 100

55 68.4 60.0 90.0



#14

Allyl chloride

Concen: 51.991 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

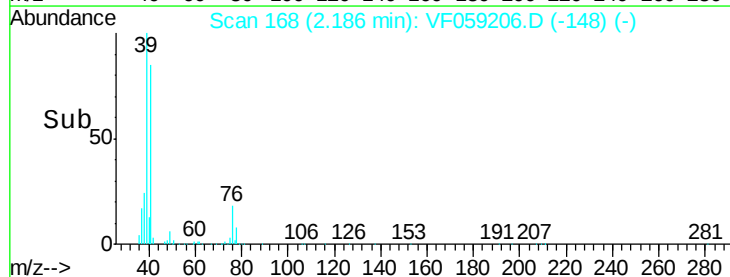
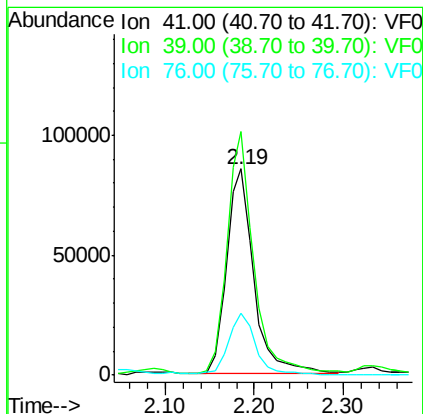
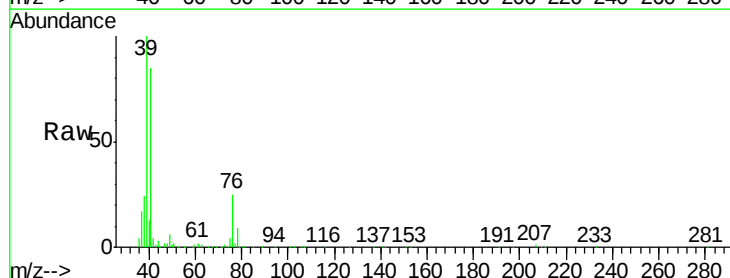
Tgt Ion: 41 Resp: 183738

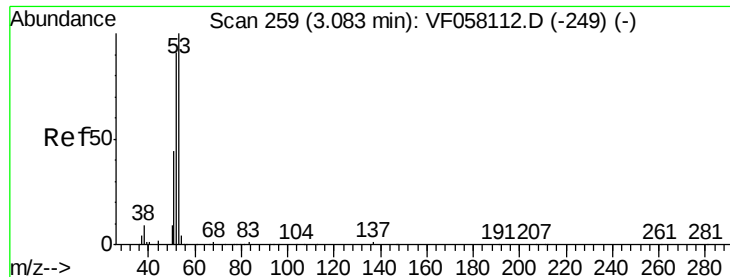
Ion Ratio Lower Upper

41 100

39 118.0 93.5 140.3

76 29.9 23.9 35.9





#15

Acrylonitrile

Concen: 329.634 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

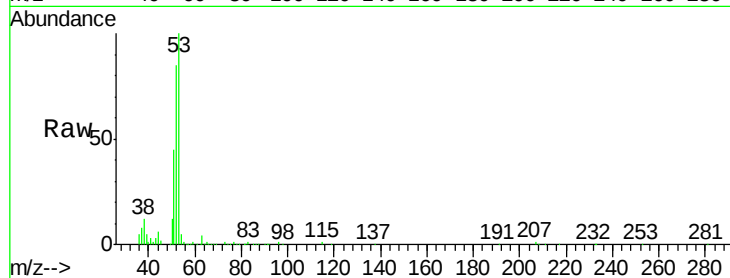
Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 139021

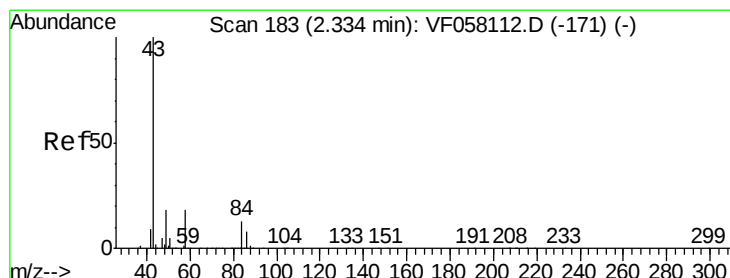
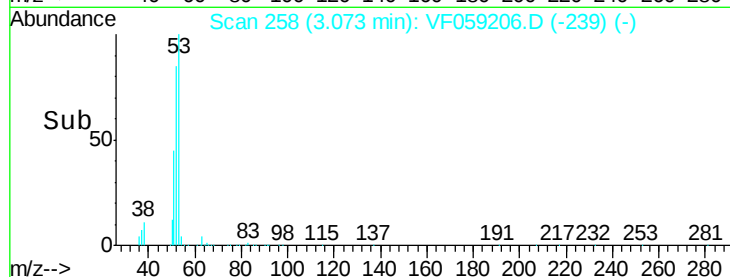
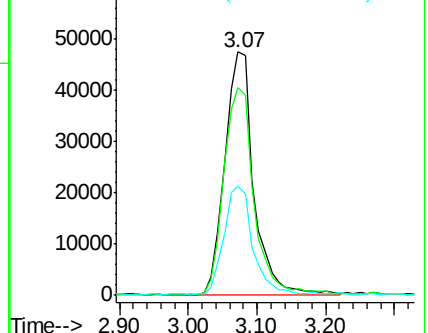
Ion	Ratio	Lower	Upper
53	100		
52	85.2	73.2	109.8
51	44.7	35.6	53.4



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 237.897 ug/l

RT: 2.33 min Scan# 183

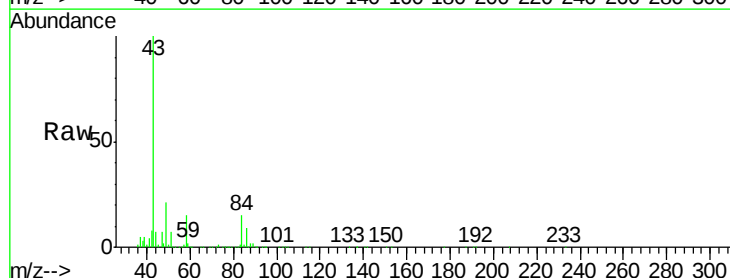
Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

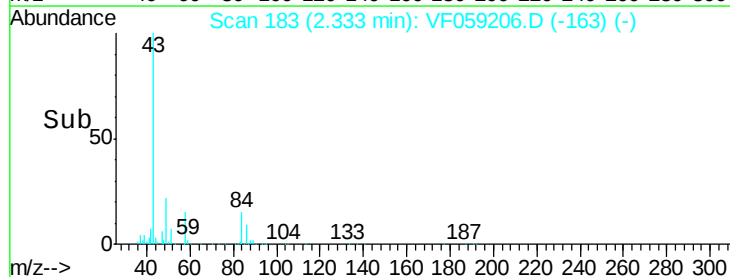
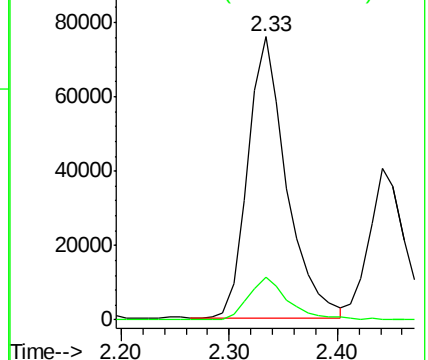
Tgt Ion: 43 Resp: 188246

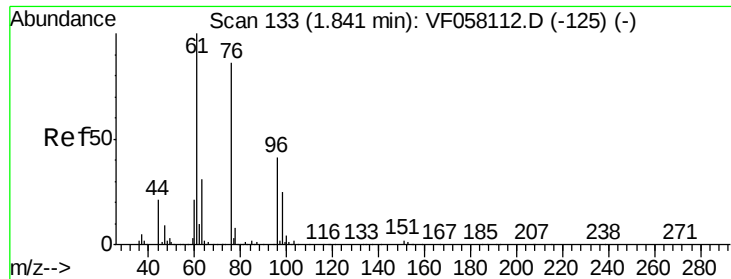
Ion	Ratio	Lower	Upper
43	100		
58	15.2	14.4	21.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

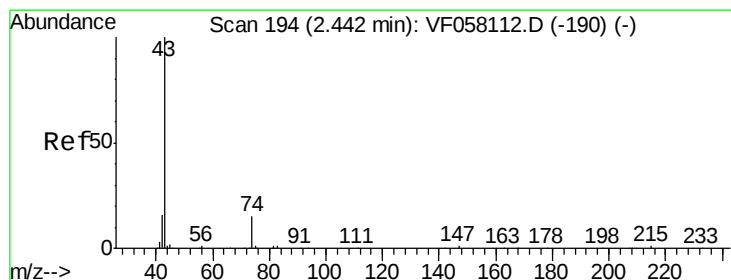
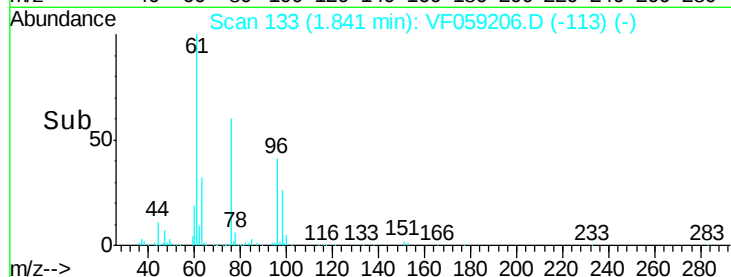
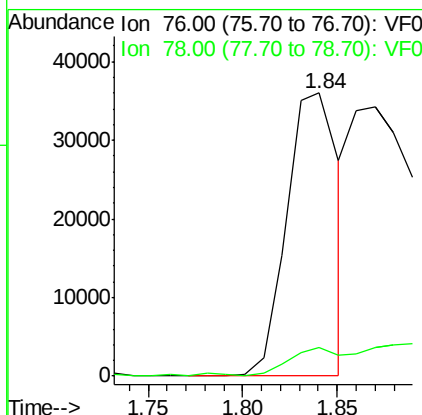
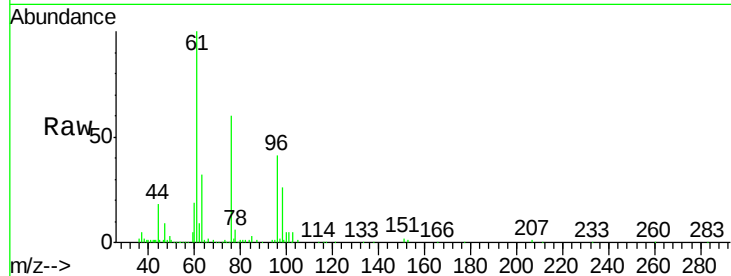




#17
Carbon Disulfide
Concen: 13.659 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

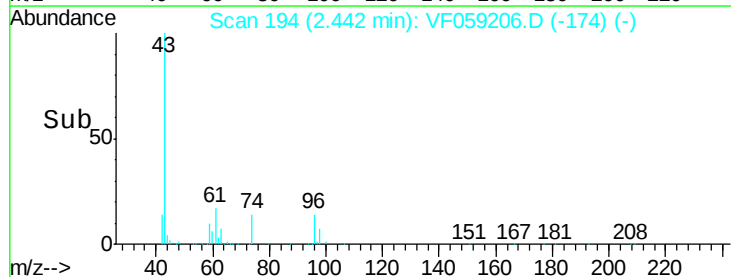
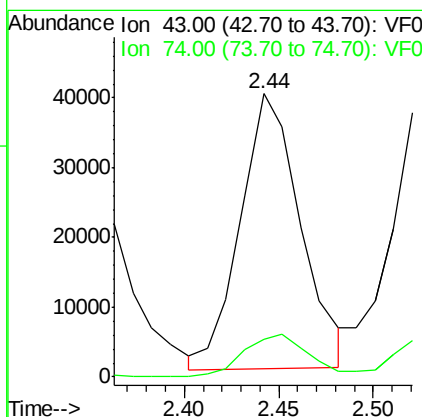
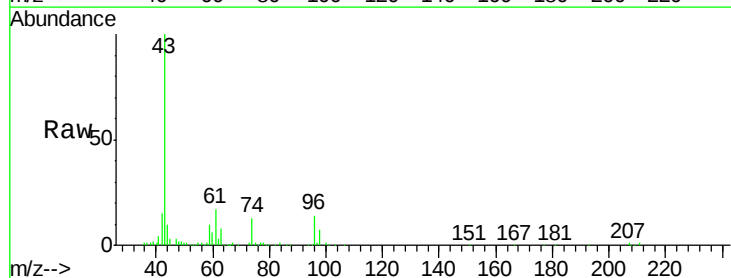
Instrument :
MSVOA_F
ClientSampleId :

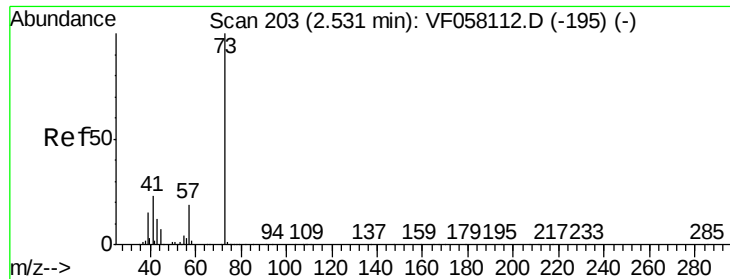
Tot Ion: 76 Resp: 69051
Ion Ratio Lower Upper
76 100
78 10.1 7.8 11.8



#18
Methyl Acetate
Concen: 64.077 ug/l
RT: 2.44 min Scan# 194
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion: 43 Resp: 87163
Ion Ratio Lower Upper
43 100
74 13.5 10.9 16.3

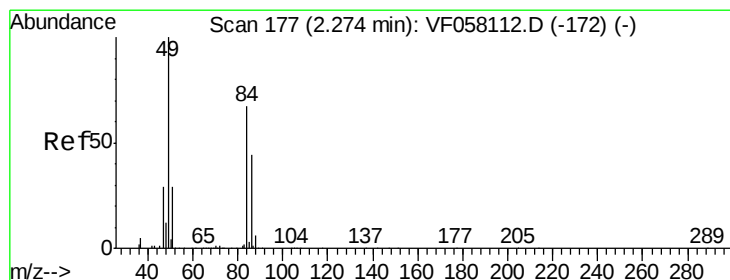
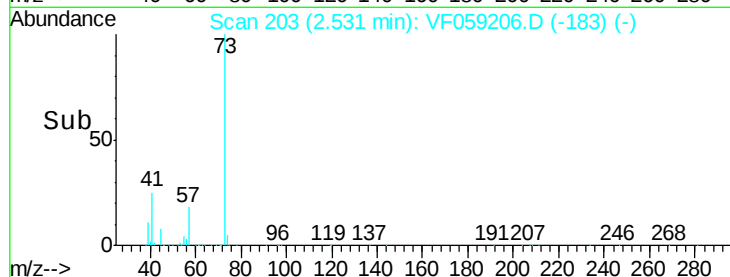
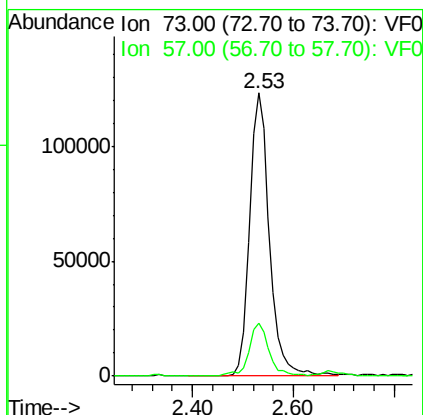
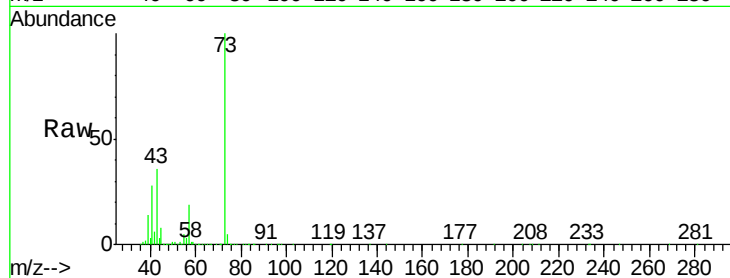




#19
Methyl tert-butyl Ether
Concen: 60.336 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

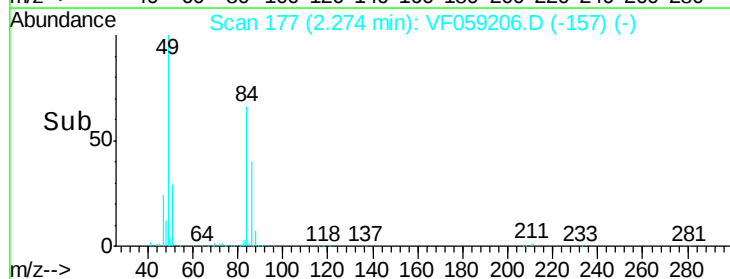
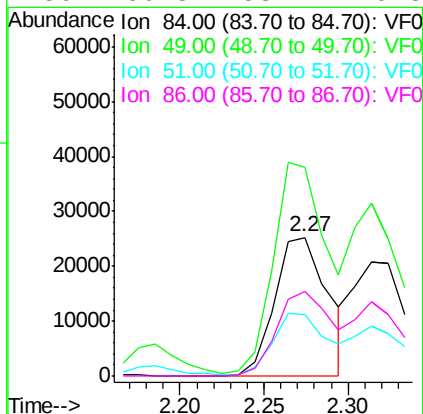
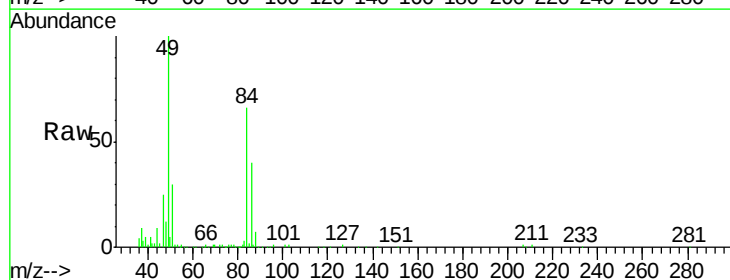
Instrument :
MSVOA_F
ClientSampled :

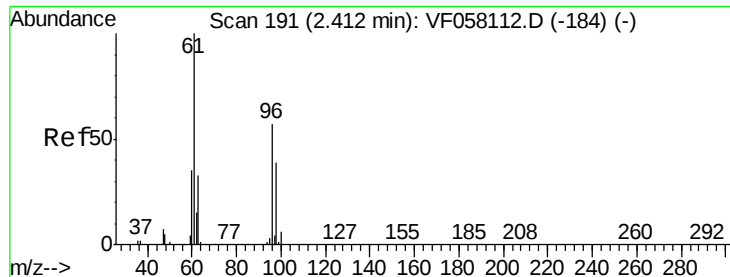
Tot Ion: 73 Resp: 337258
Ion Ratio Lower Upper
73 100
57 18.7 15.0 22.4



#20
Methylene Chloride
Concen: 29.182 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion: 84 Resp: 55291
Ion Ratio Lower Upper
84 100
49 151.0 121.0 181.4
51 44.7 35.8 53.6
86 60.8 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 50.474 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :
MSVOA_F
ClientSampled :

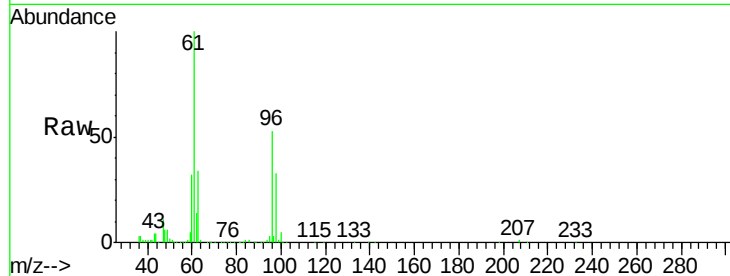
Tot Ion: 96 Resp: 99673

Ion Ratio Lower Upper

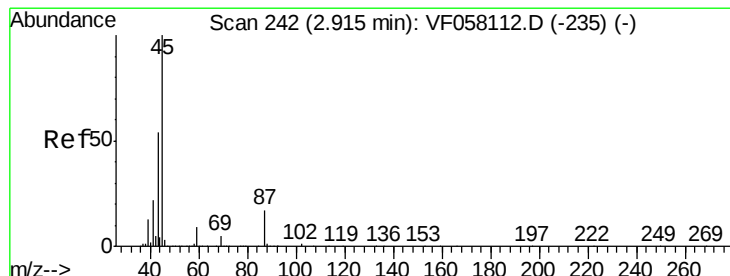
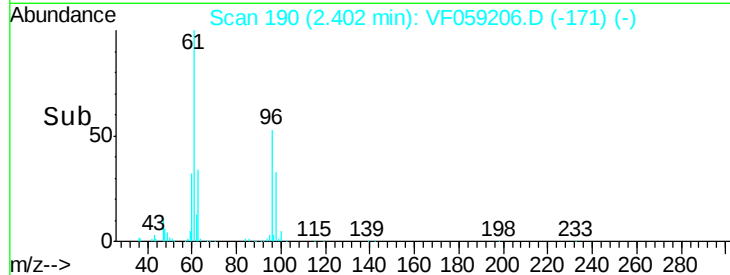
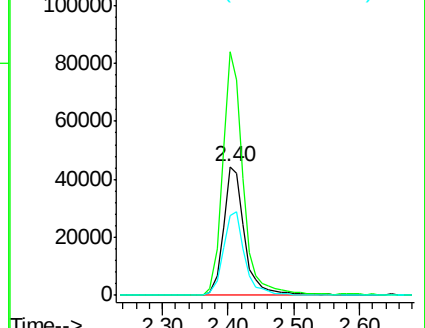
96 100

61 188.7 139.4 209.2

98 61.6 54.0 81.0



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



#22

Diisopropyl ether

Concen: 59.675 ug/l

RT: 2.91 min Scan# 242

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Tgt Ion: 45 Resp: 414572

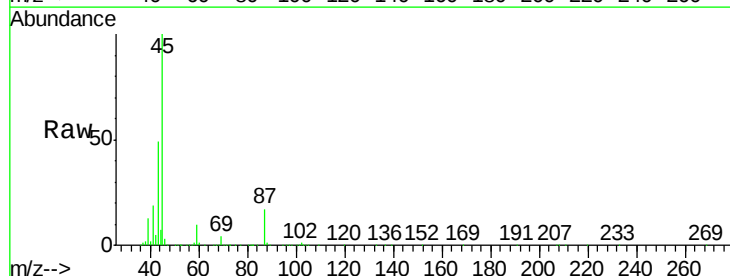
Ion Ratio Lower Upper

45 100

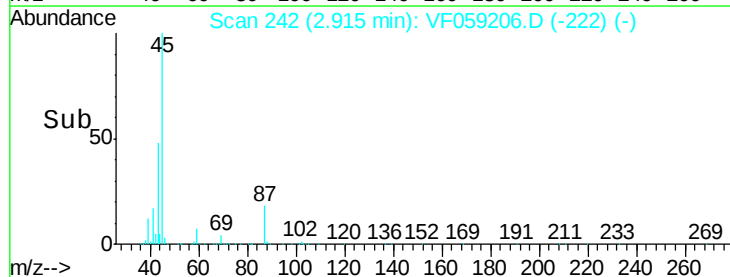
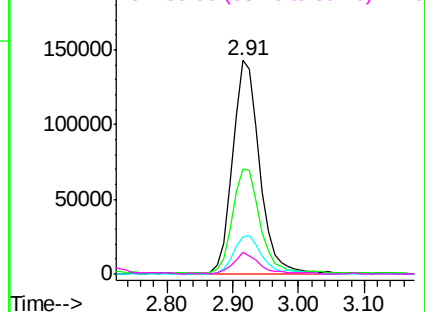
43 49.4 43.2 64.8

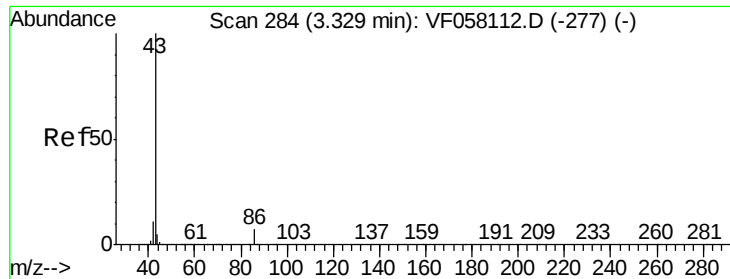
87 17.5 13.8 20.6

59 10.2 7.5 11.3



Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 278.969 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

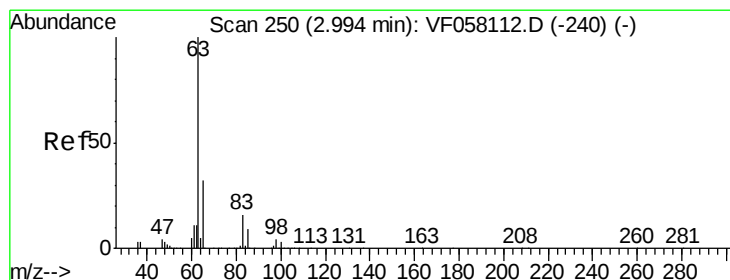
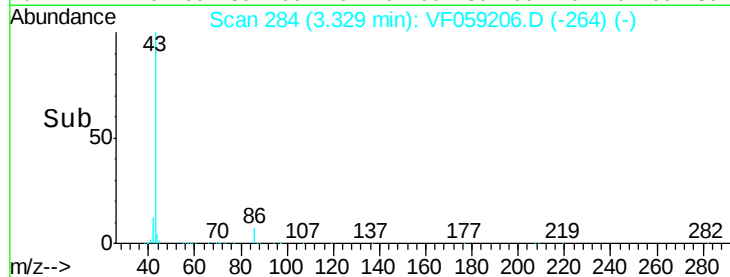
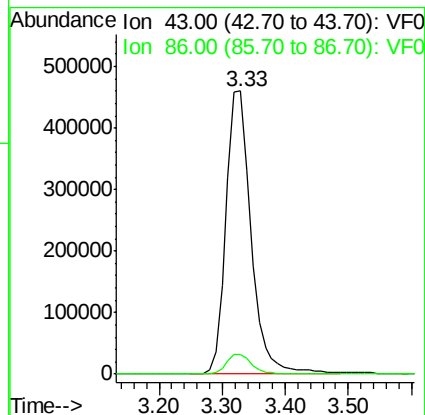
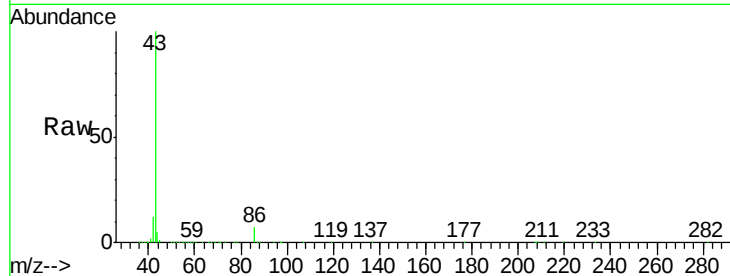
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1277829

Ion Ratio Lower Upper

43 100

86 7.0 6.0 9.0



#24

1,1-Dichloroethane

Concen: 55.357 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

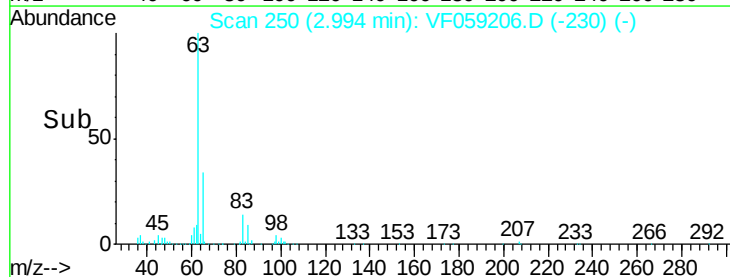
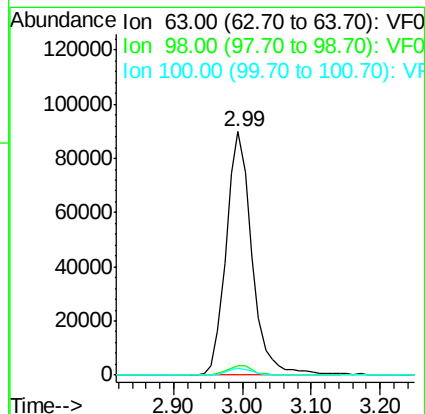
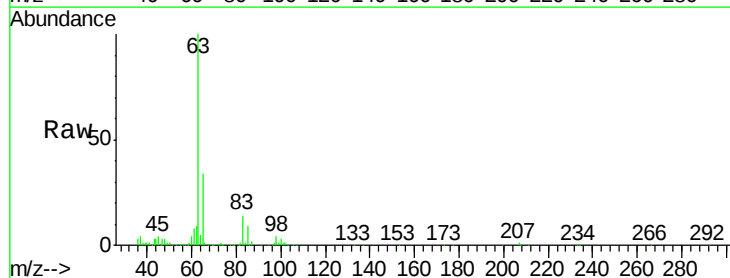
Tgt Ion: 63 Resp: 233150

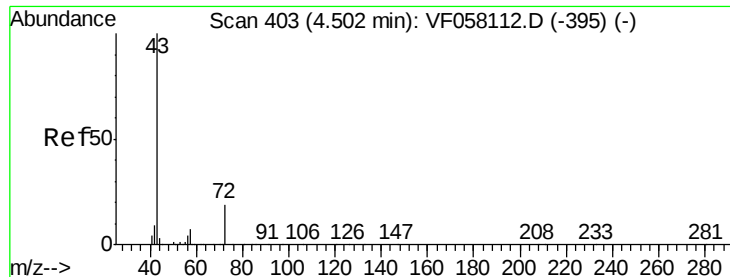
Ion Ratio Lower Upper

63 100

98 3.8 2.0 6.0

100 2.6 1.4 4.0





#25

2-Butanone

Concen: 251.543 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

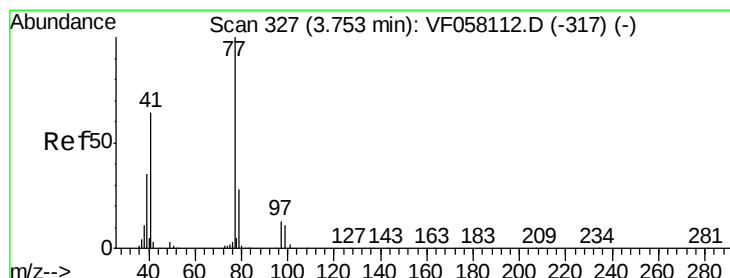
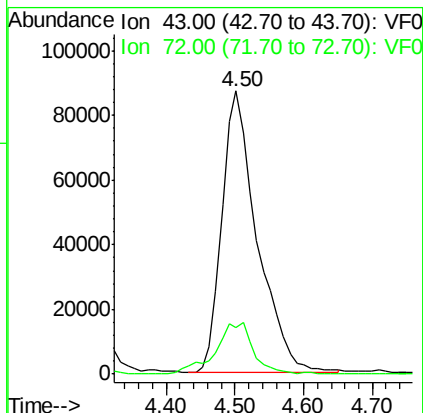
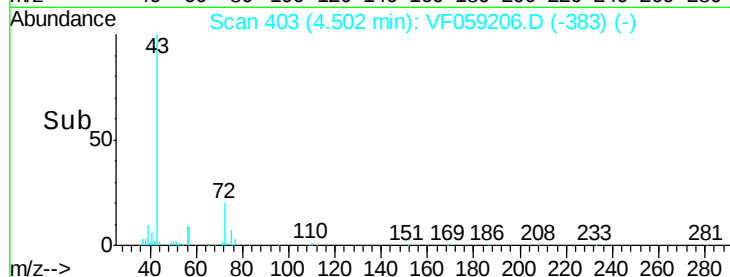
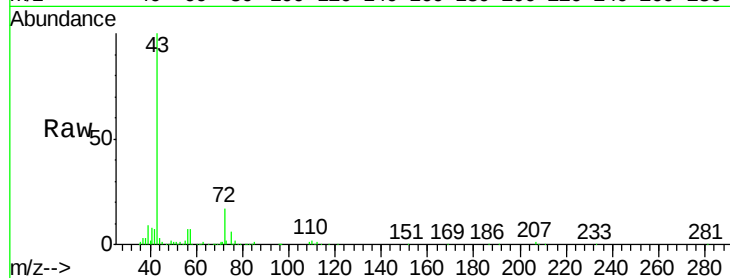
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 308586

Ion Ratio Lower Upper

43 100

72 16.6 16.1 24.1



#26

2,2-Dichloropropane

Concen: 45.897 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.00 min

Lab File: VF059206.D

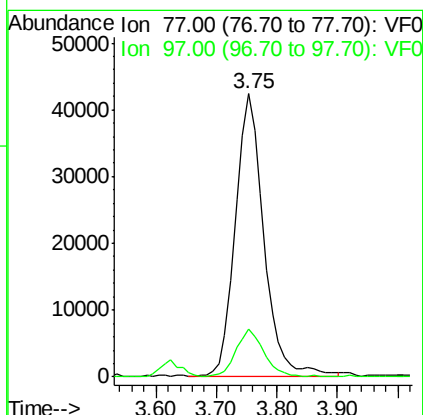
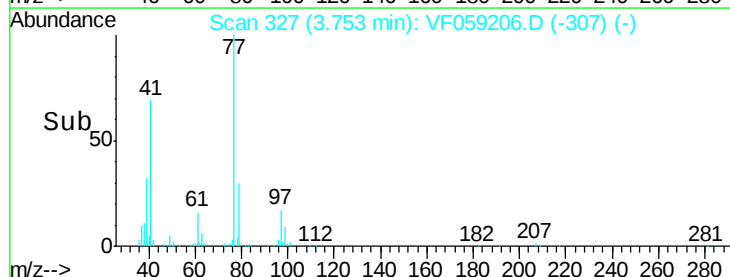
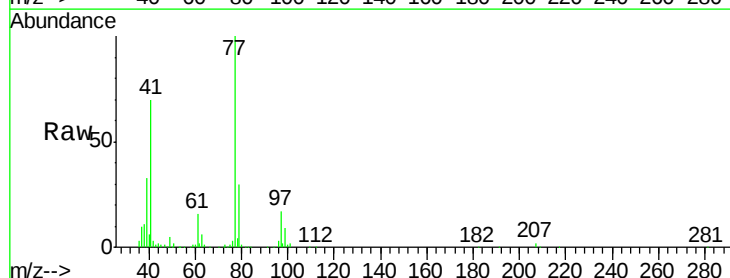
Acq: 20 Jun 2018 00:44

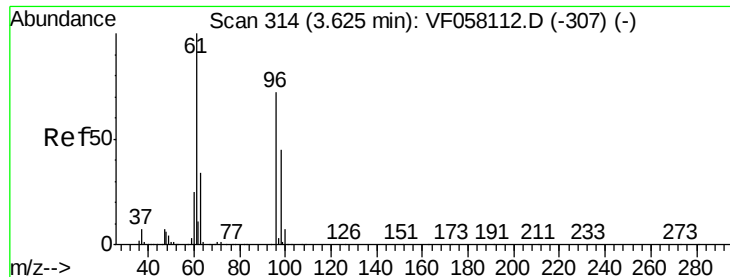
Tgt Ion: 77 Resp: 140240

Ion Ratio Lower Upper

77 100

97 17.1 7.2 21.6



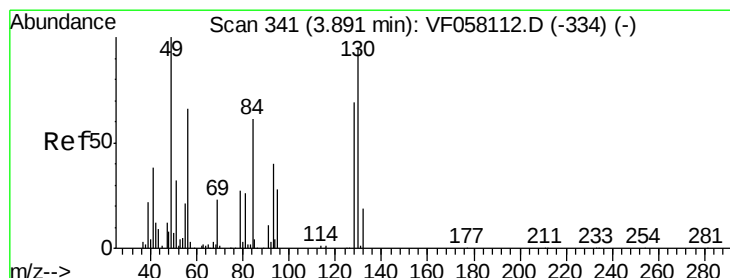
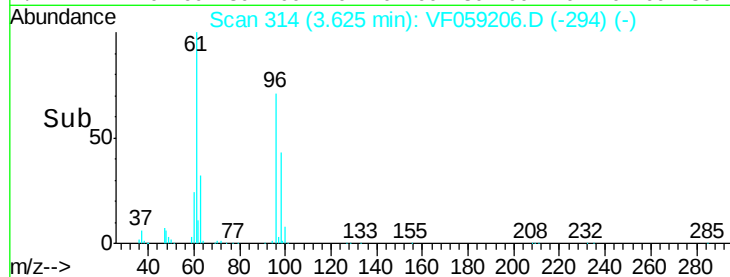
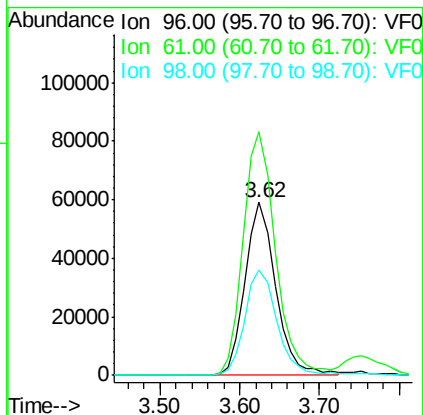
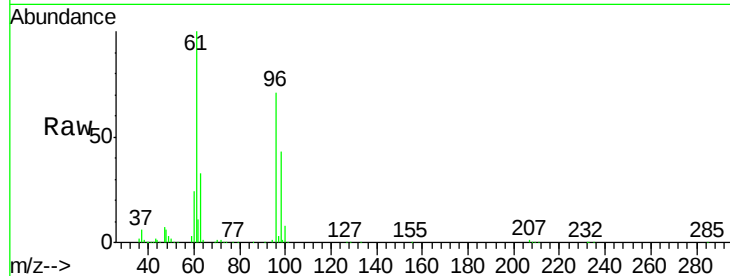


#27

cis-1,2-Dichloroethene
Concen: 51.950 ug/l
RT: 3.62 min Scan# 314
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Instrument :
MSVOA_F
ClientSampled :

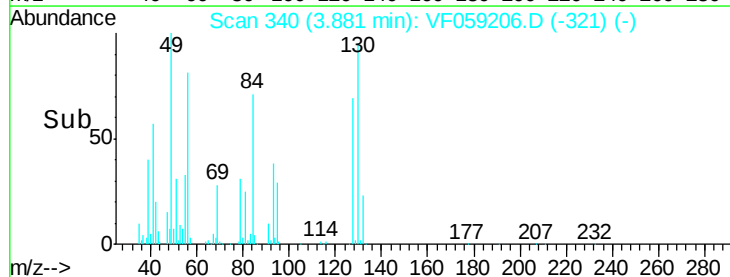
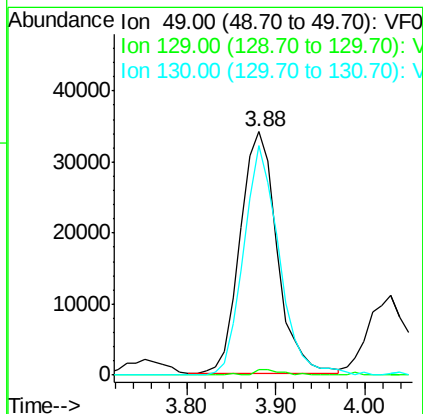
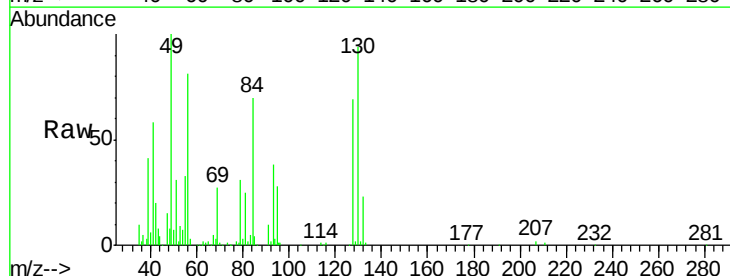
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	278.6
98	60.6	0.0	125.2

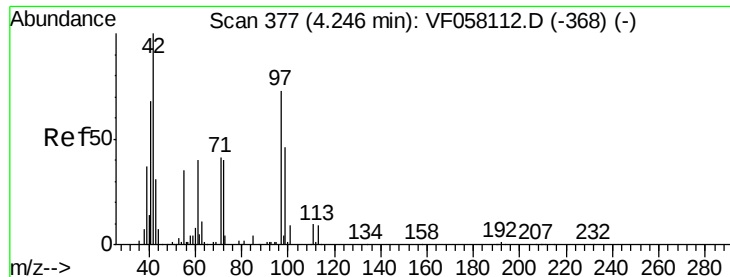


#28

Bromochloromethane
Concen: 52.001 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	0.0#
130	94.2	75.8	113.8

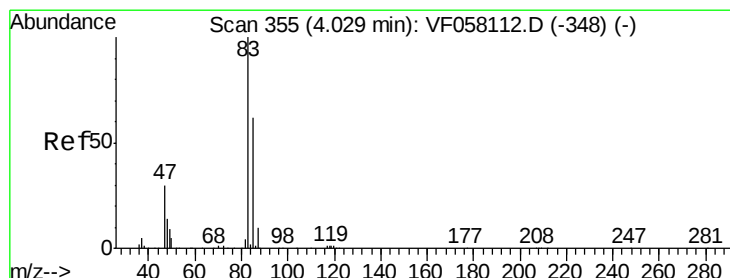
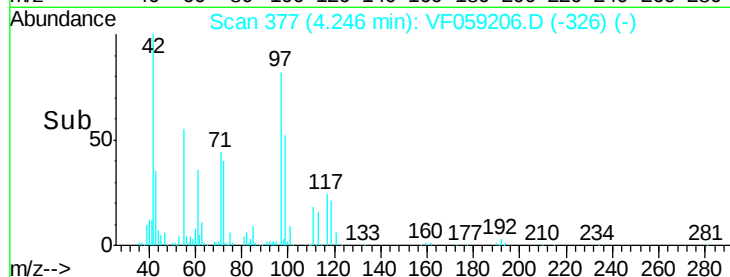
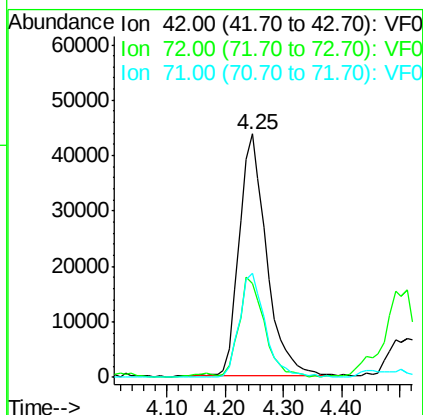
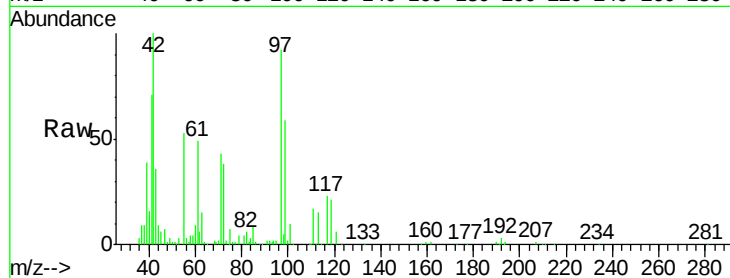




#29
Tetrahydrofuran
Concen: 266.832 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

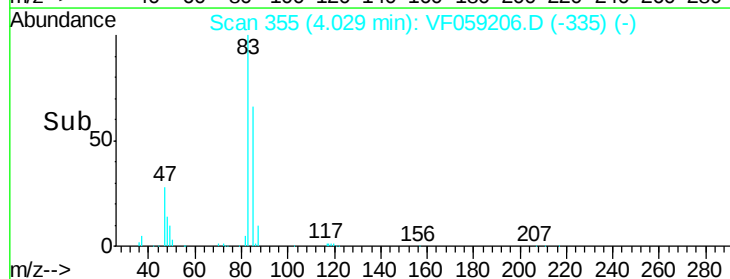
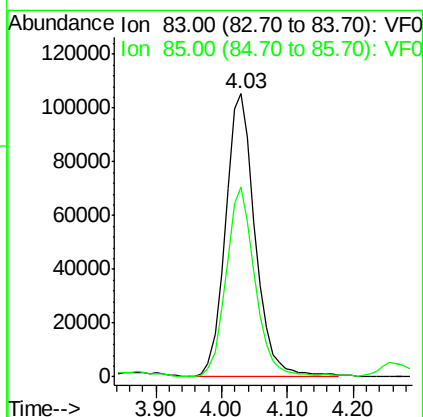
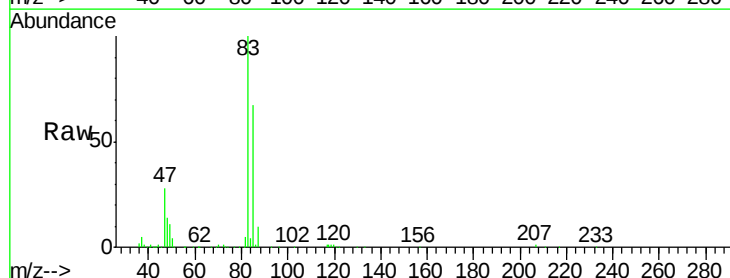
Instrument :
MSVOA_F
ClientSampleId :

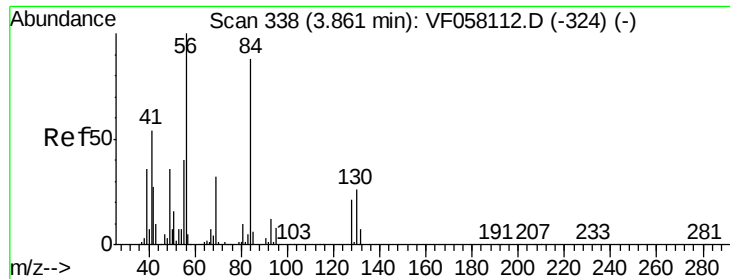
Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	30.5	45.7
71	40.8	31.5	47.3



#30
Chloroform
Concen: 54.739 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	49.5	74.3

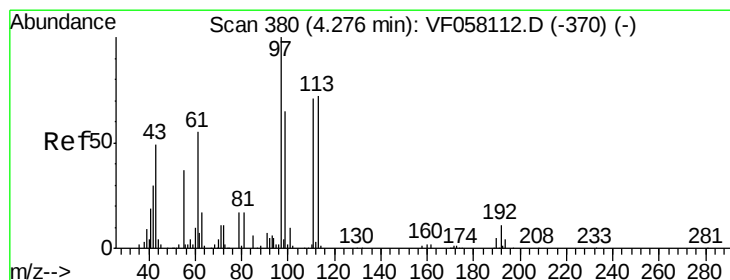
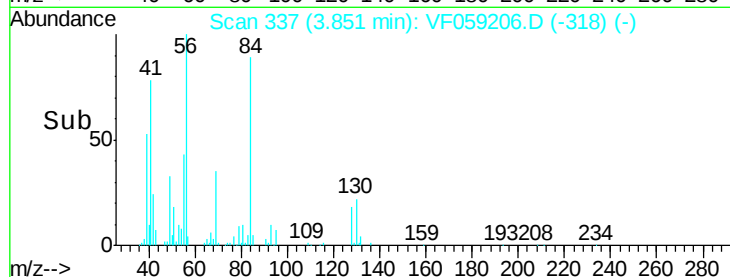
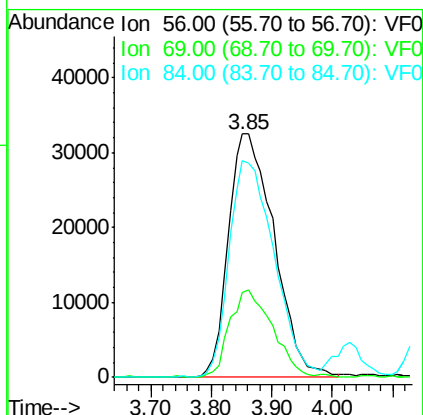
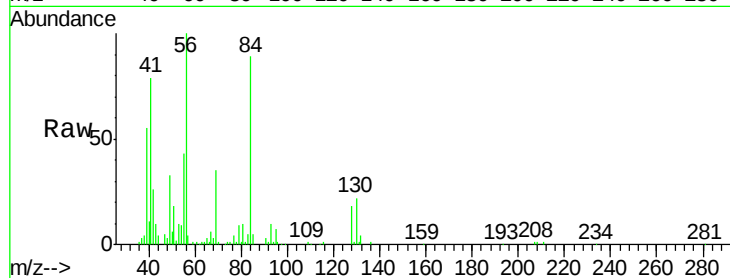




#31
Cyclohexane
Concen: 46.220 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

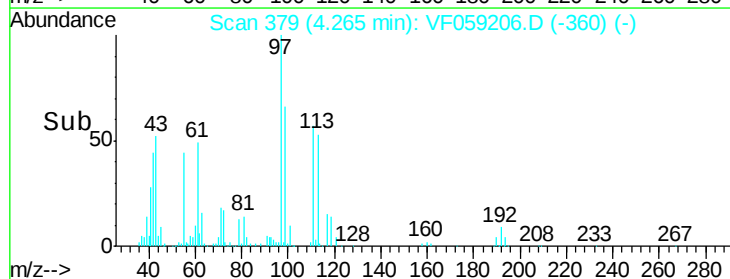
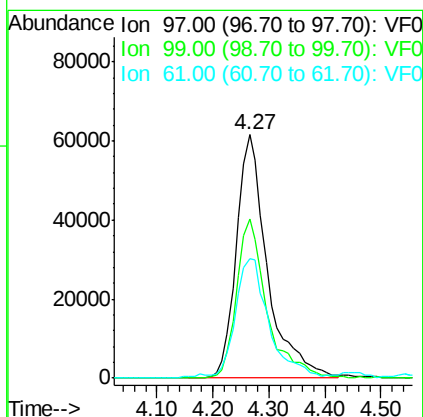
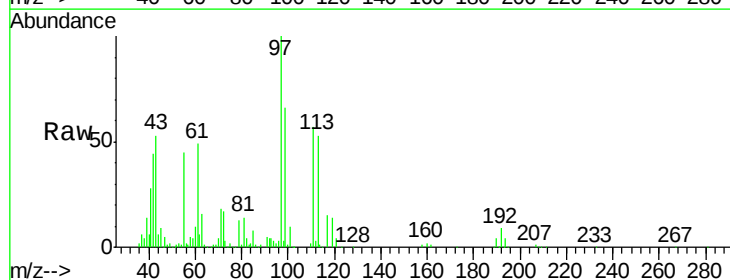
Instrument :
MSVOA_F
ClientSampleId :

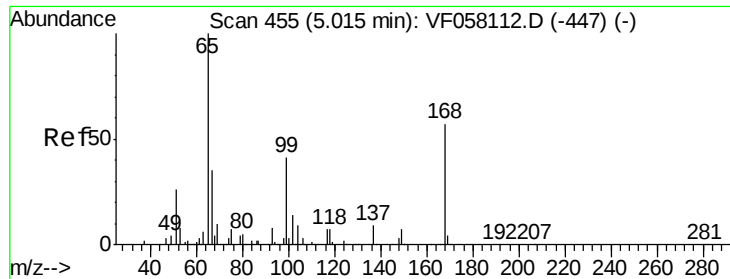
Tot Ion: 56 Resp: 170056
Ion Ratio Lower Upper
56 100
69 34.7 25.9 38.9
84 88.8 70.3 105.5



#32
1,1,1-Trichloroethane
Concen: 52.731 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion: 97 Resp: 237188
Ion Ratio Lower Upper
97 100
99 65.5 52.0 78.0
61 49.3 44.3 66.5





#33

1,2-Dichloroethane-d4

Concen: 56.463 ug/l

RT: 5.00 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

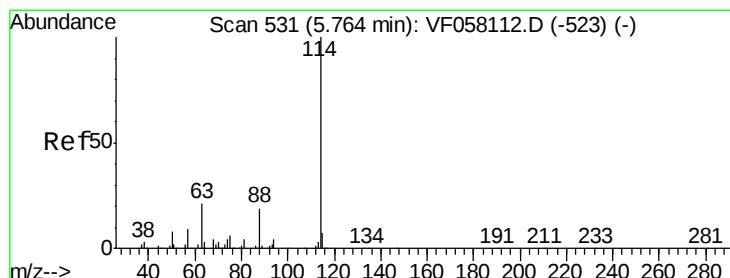
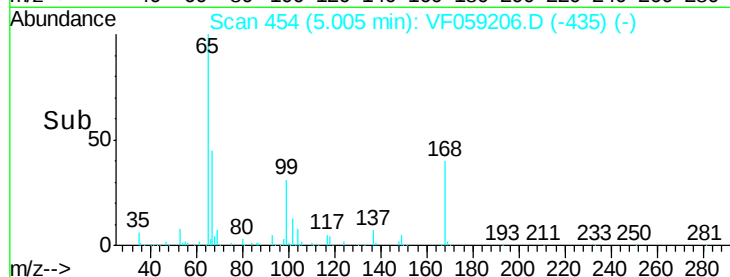
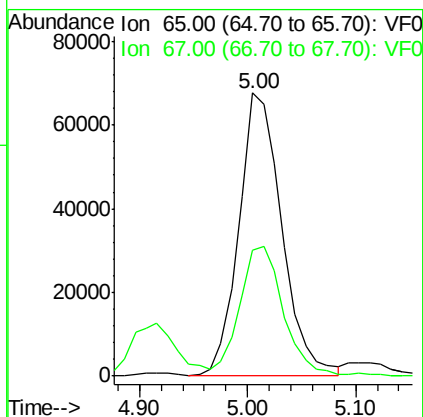
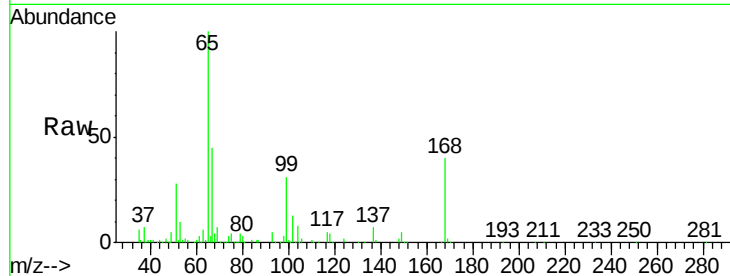
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 187129

Ion Ratio Lower Upper

65 100

67 44.6 0.0 97.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

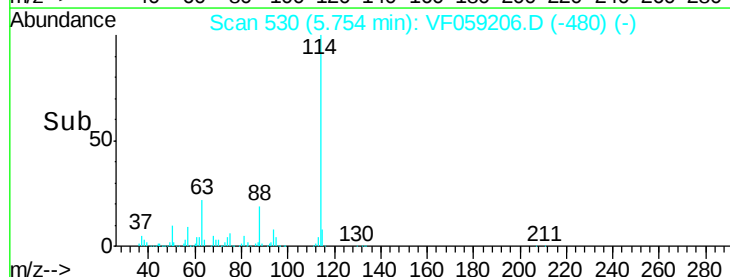
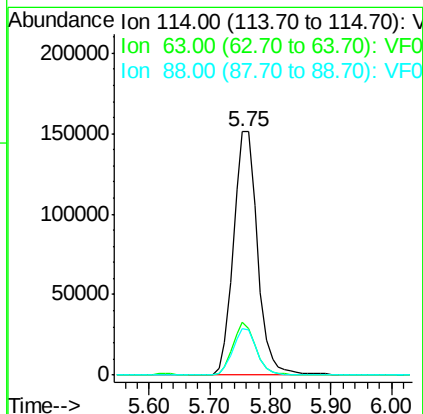
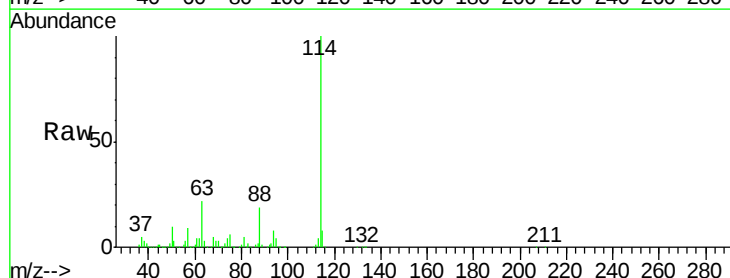
Tgt Ion: 114 Resp: 418542

Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.6

88 19.0 0.0 38.8

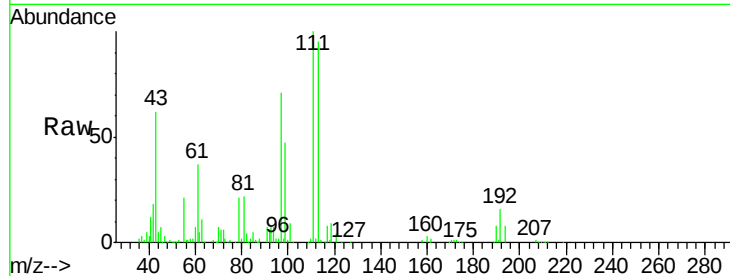




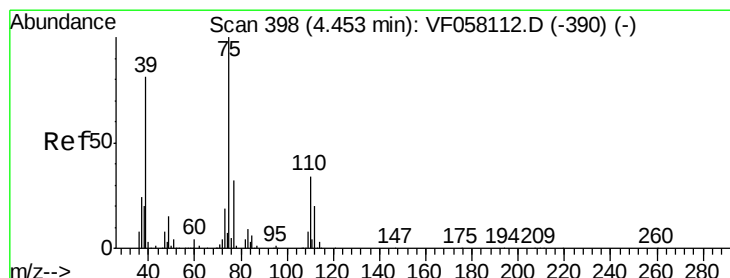
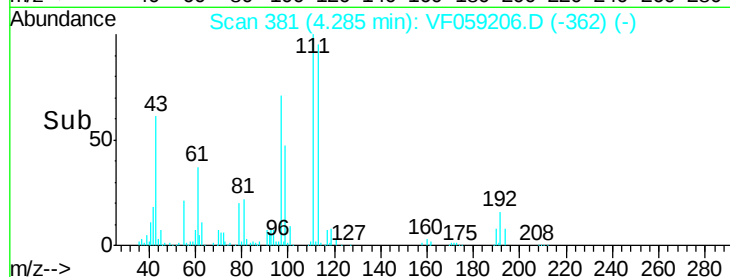
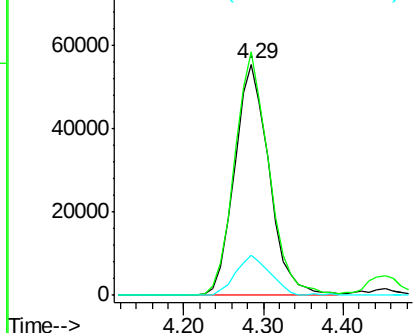
#35
 Dibromofluoromethane
 Concen: 56.733 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF059206.D
 Acq: 20 Jun 2018 00:44

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.2	81.3	121.9
192	17.2	12.7	19.1

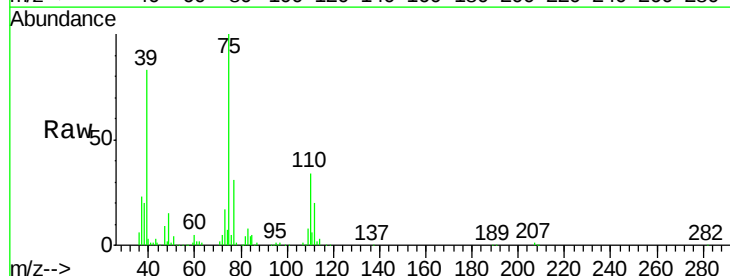


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

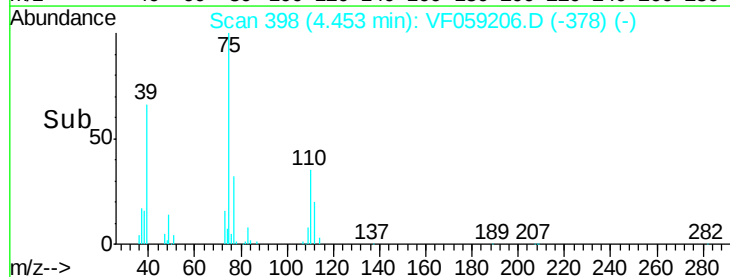
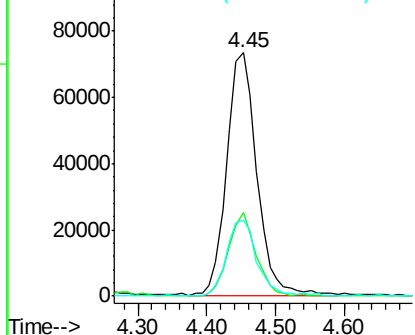


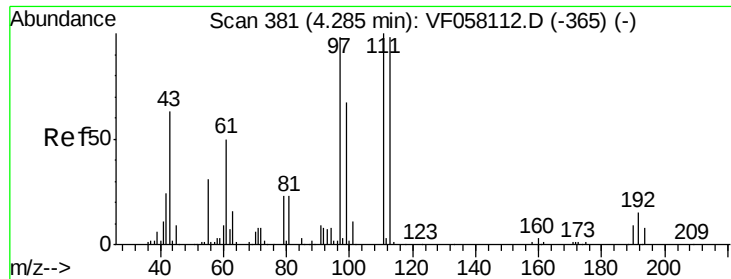
#36
 1,1-Dichloropropene
 Concen: 54.729 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. -0.00 min
 Lab File: VF059206.D
 Acq: 20 Jun 2018 00:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.0	50.9
77	31.4	25.3	37.9



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VF0

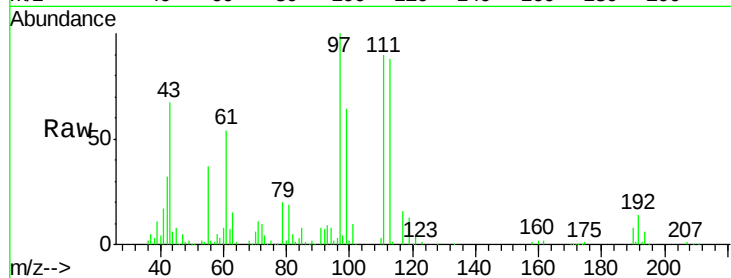




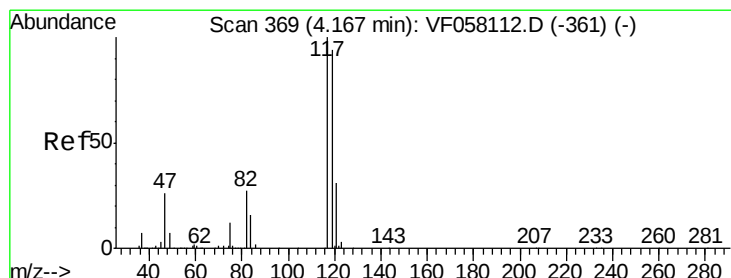
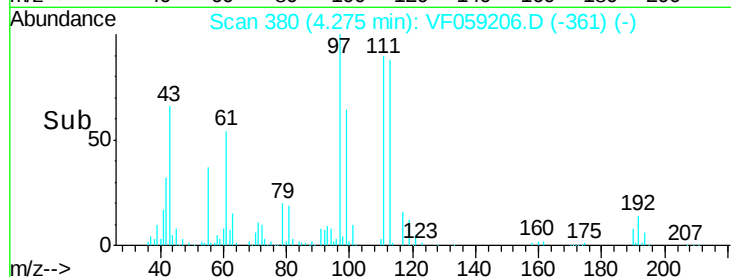
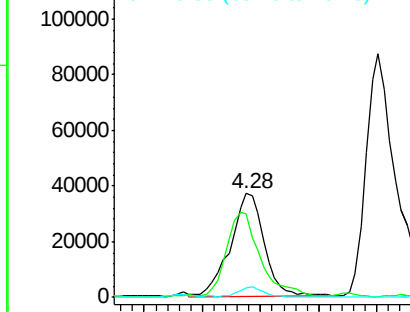
#37
Ethyl Acetate
Concen: 59.260 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 148547
Ion Ratio Lower Upper
43 100
61 80.5 63.0 94.4
70 8.5 7.5 11.3

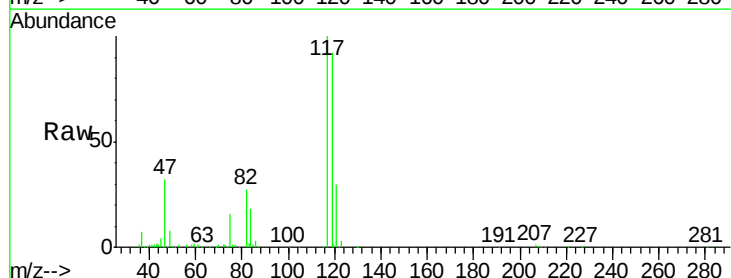


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

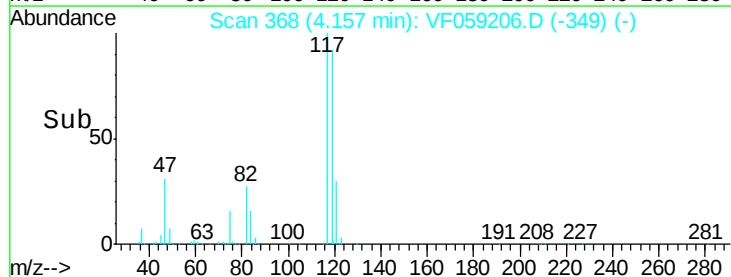
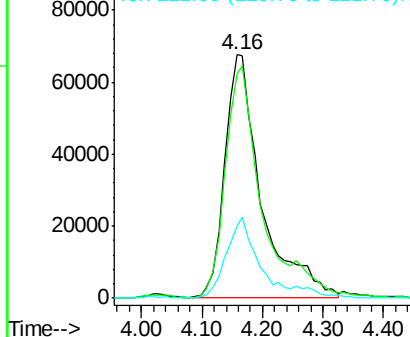


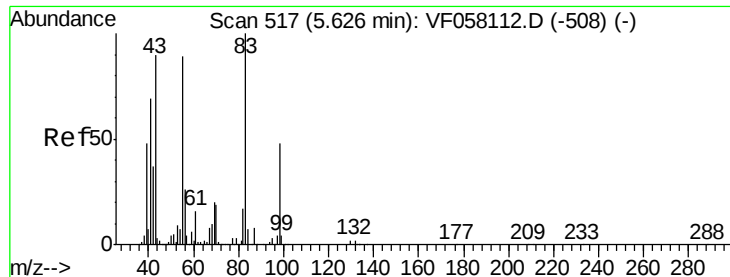
#38
Carbon Tetrachloride
Concen: 64.853 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion: 117 Resp: 285146
Ion Ratio Lower Upper
117 100
119 91.9 75.7 113.5
121 29.6 24.8 37.2



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

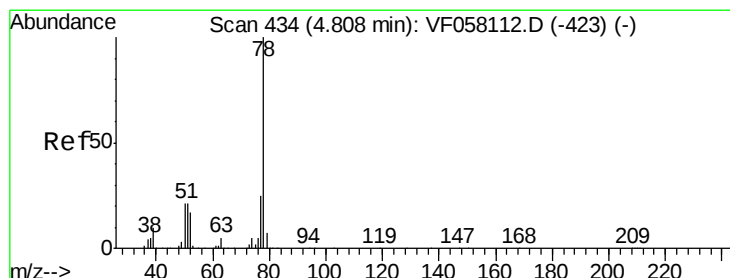
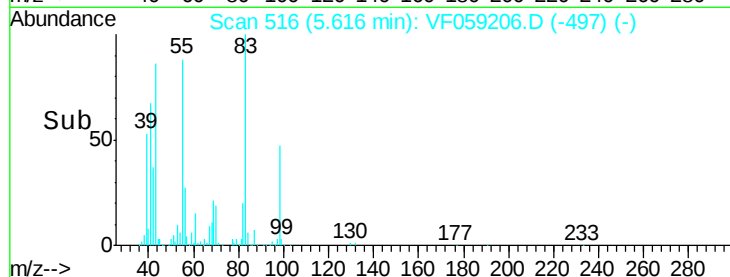
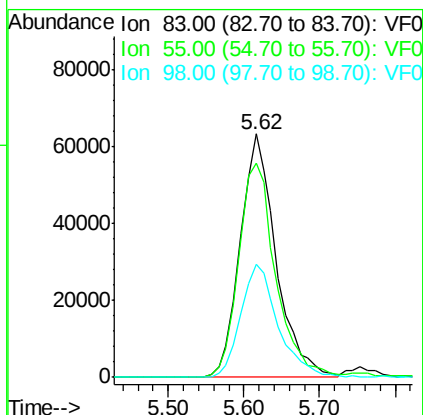
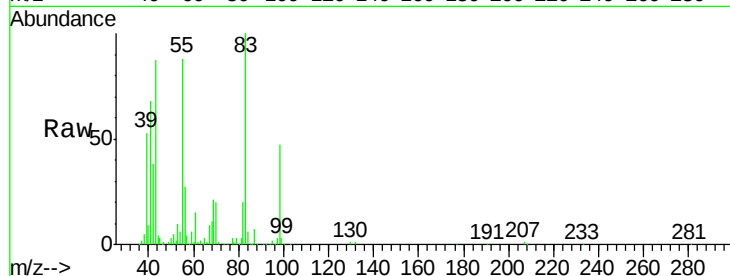




#39
Methvlcvclohexane
Concen: 50.330 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

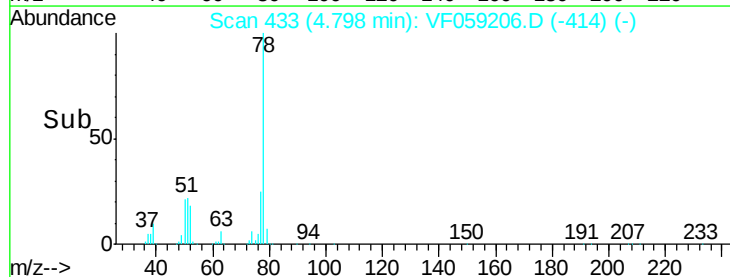
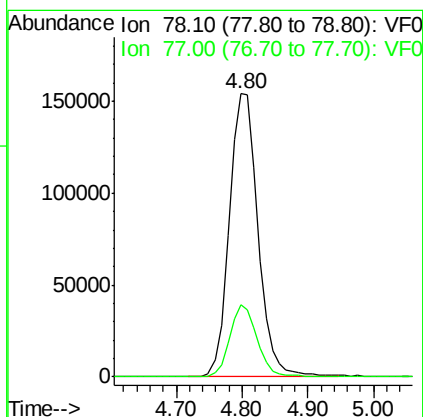
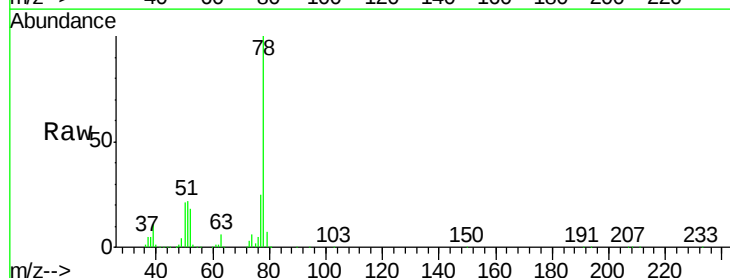
Instrument :
MSVOA_F
ClientSampleId :

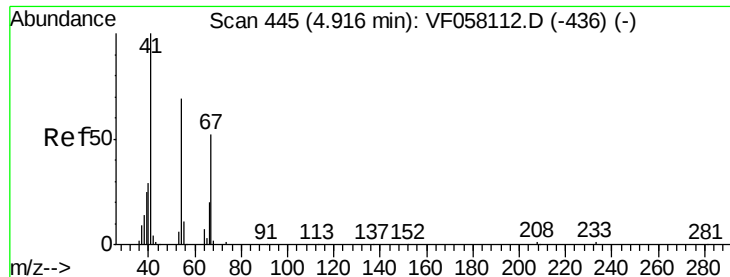
Tot Ion: 83 Resp: 208130
Ion Ratio Lower Upper
83 100
55 88.1 71.0 106.4
98 46.7 38.1 57.1



#40
Benzene
Concen: 50.255 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion: 78 Resp: 473229
Ion Ratio Lower Upper
78 100
77 25.3 20.2 30.2





#41

Methacrylonitrile

Concen: 58.025 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 41 Resp: 71459

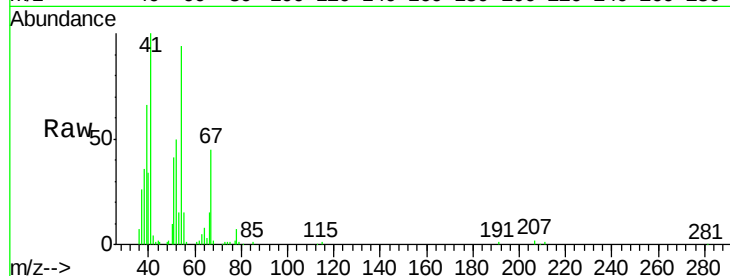
Ion	Ratio	Lower	Upper
41	100		
39	66.2	53.0	79.4
67	45.2	41.0	61.6
52	49.7	36.8	55.2

41 100

39 66.2 53.0 79.4

67 45.2 41.0 61.6

52 49.7 36.8 55.2

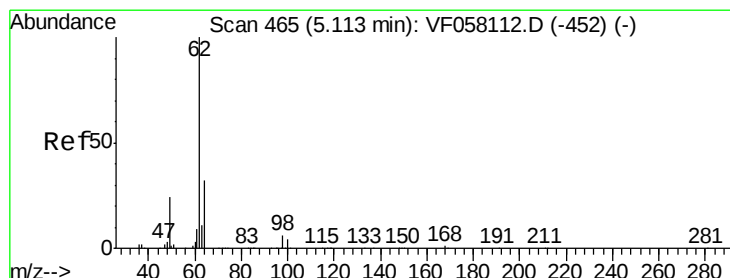
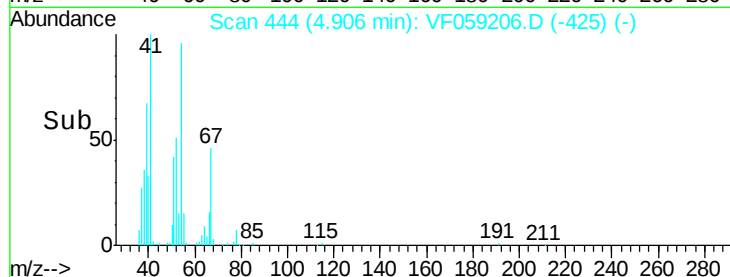
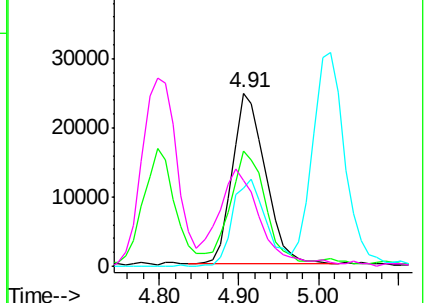


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 61.221 ug/l

RT: 5.10 min Scan# 464

Delta R.T. -0.01 min

Lab File: VF059206.D

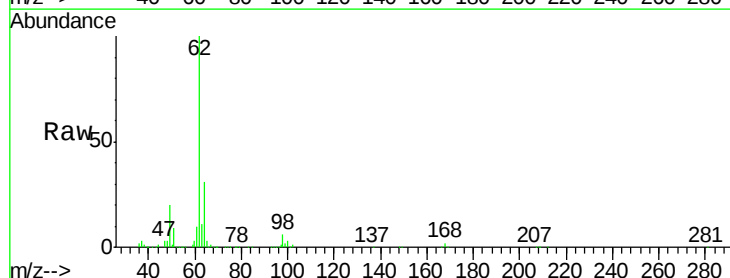
Acq: 20 Jun 2018 00:44

Tgt Ion: 62 Resp: 258552

Ion	Ratio	Lower	Upper
62	100		
98	6.5	0.0	11.8

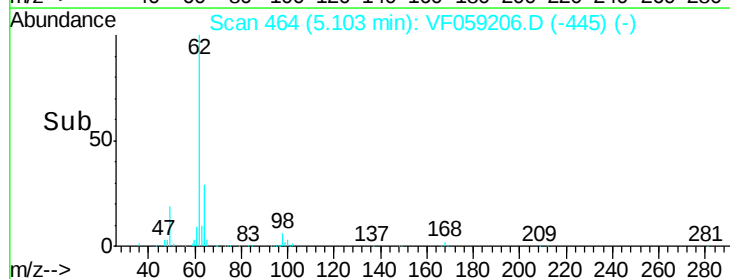
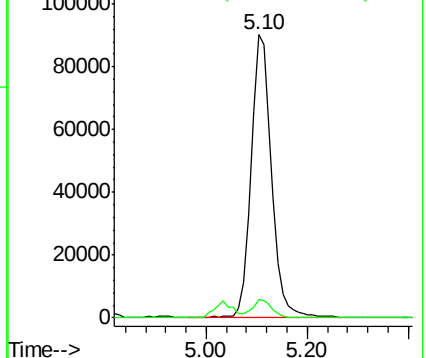
62 100

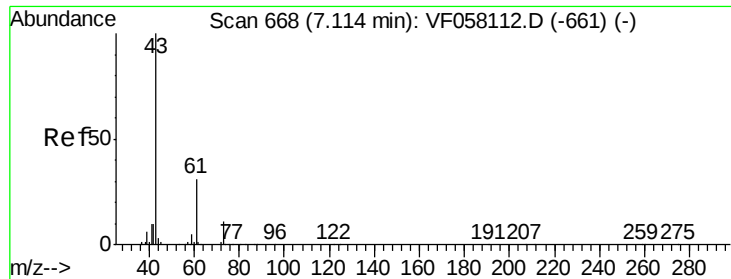
98 6.5 0.0 11.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

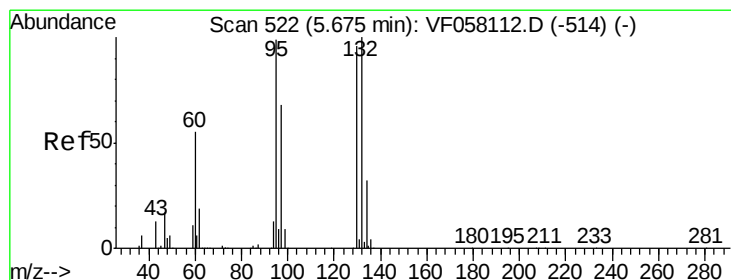
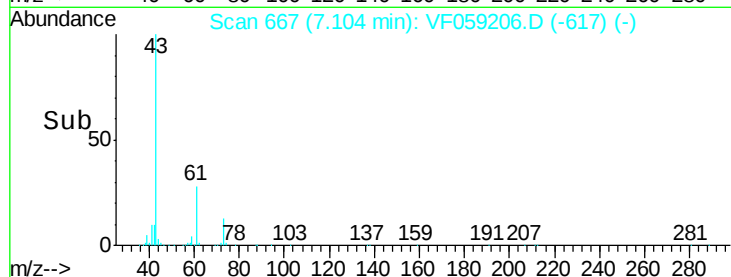
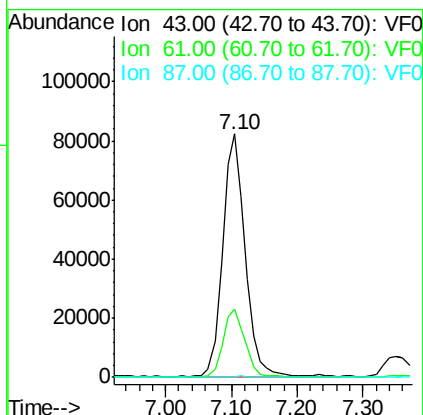
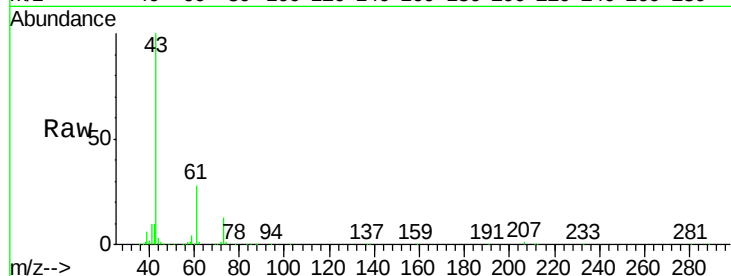




#43
Isopropyl Acetate
Concen: 57.782 ug/l
RT: 7.10 min Scan# 667
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

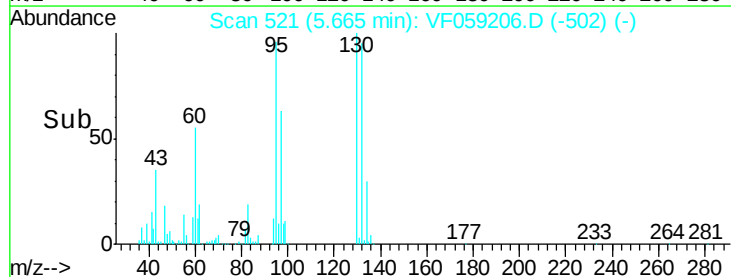
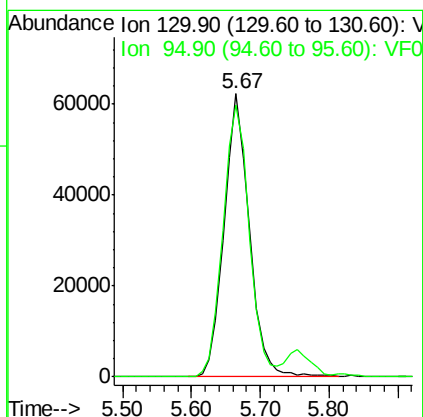
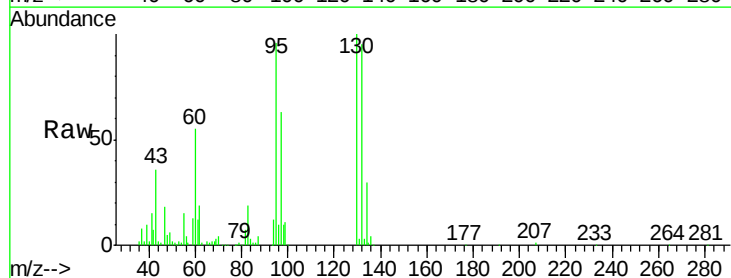
Instrument :
MSVOA_F
ClientSampleId :

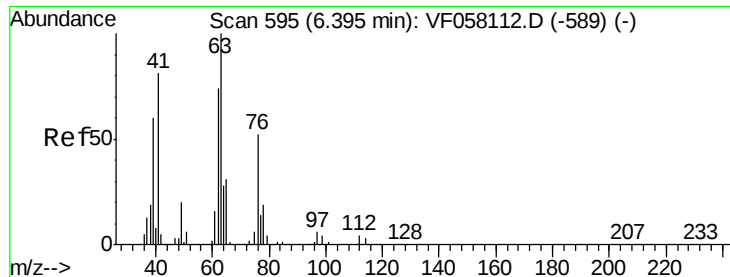
Tot Ion: 43 Resp: 193982
Ion Ratio Lower Upper
43 100
61 28.2 25.1 37.7
87 0.3 0.2 0.4



#44
Trichloroethene
Concen: 53.778 ug/l
RT: 5.67 min Scan# 521
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion: 130 Resp: 158228
Ion Ratio Lower Upper
130 100
95 96.2 0.0 206.8





#45

1,2-Dichloropropane

Concen: 51.273 ug/l

RT: 6.39 min Scan# 595

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

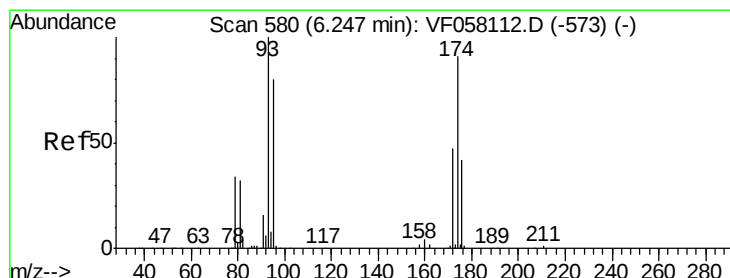
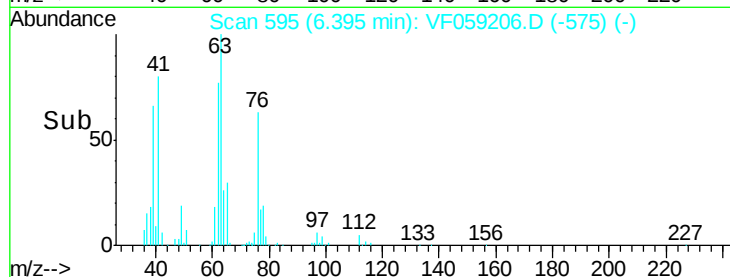
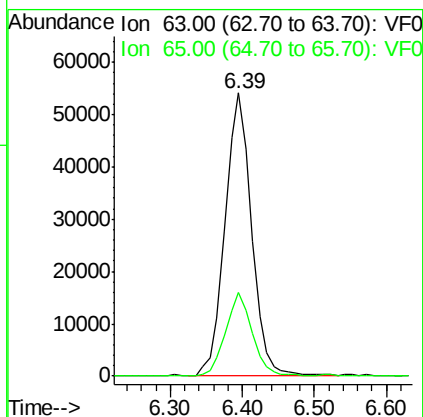
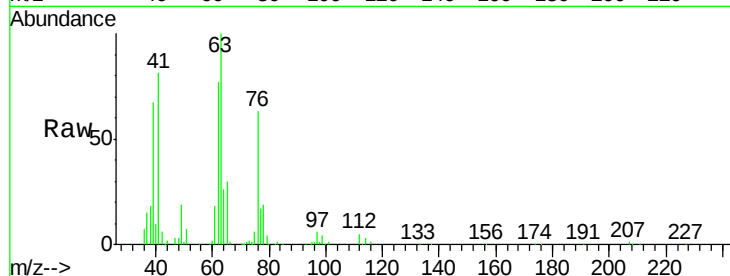
ClientSampleId :

Tot Ion: 63 Resp: 139211

Ion Ratio Lower Upper

63 100

65 29.6 24.6 37.0



#46

Dibromomethane

Concen: 55.637 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

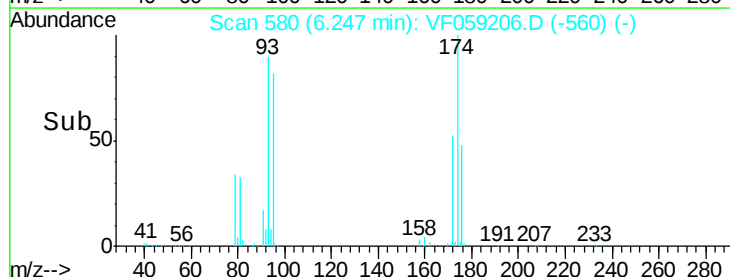
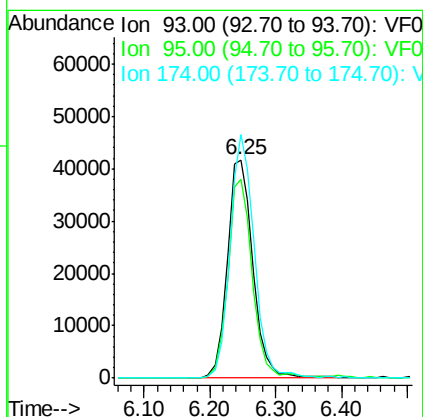
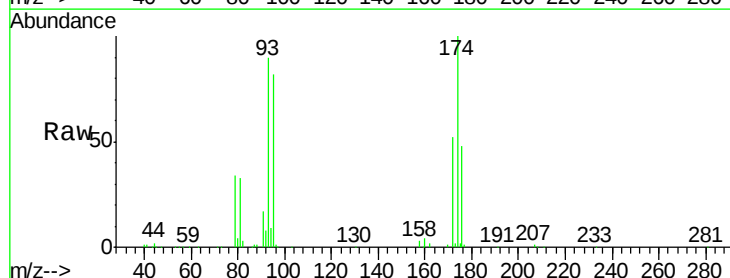
Tgt Ion: 93 Resp: 113656

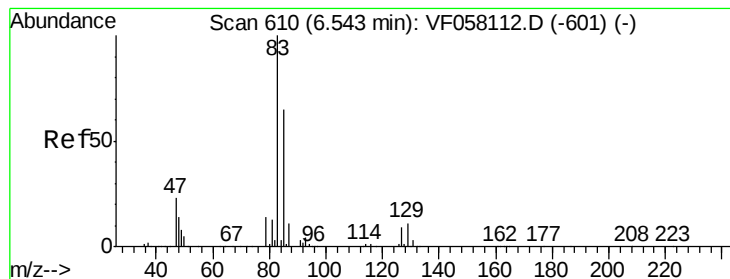
Ion Ratio Lower Upper

93 100

95 90.8 64.2 96.4

174 111.4 72.7 109.1#





#47

Bromodichloromethane

Concen: 57.298 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

ClientSampled :

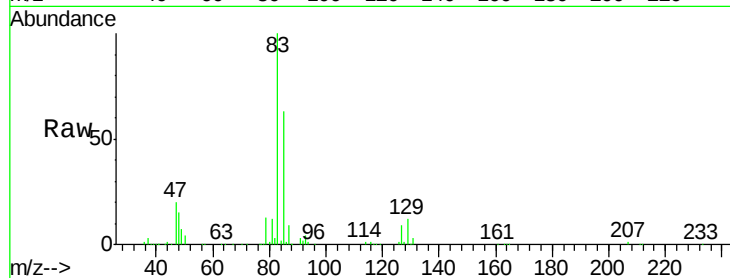
Tot Ion: 83 Resp: 266284

Ion Ratio Lower Upper

83 100

85 63.5 51.6 77.4

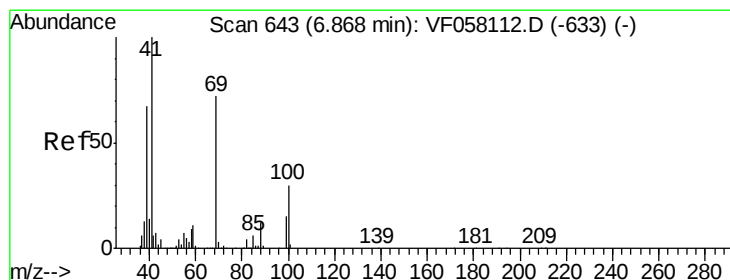
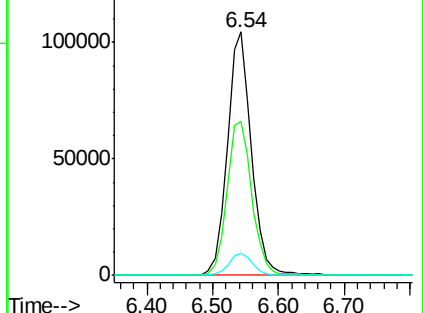
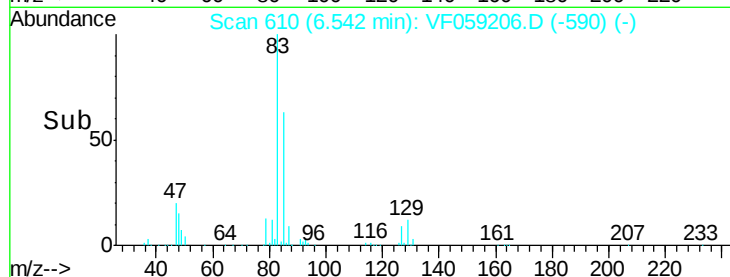
127 8.9 7.2 10.8



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: 59.917 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

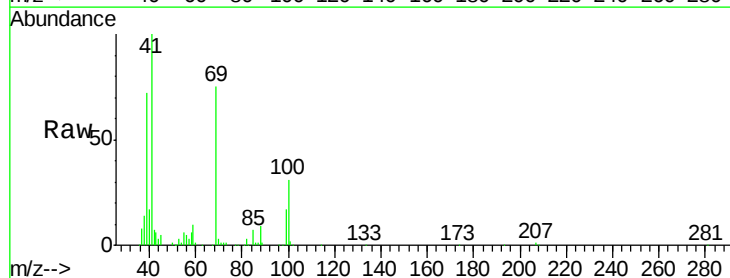
Tgt Ion: 41 Resp: 124000

Ion Ratio Lower Upper

41 100

69 74.5 57.2 85.8

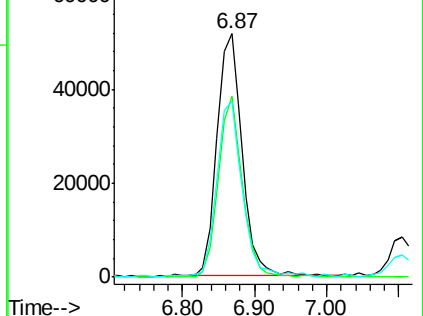
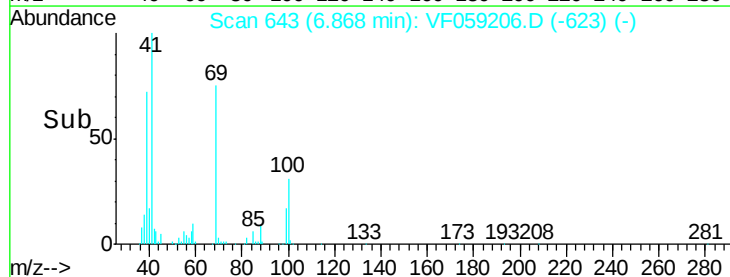
39 72.0 54.3 81.5

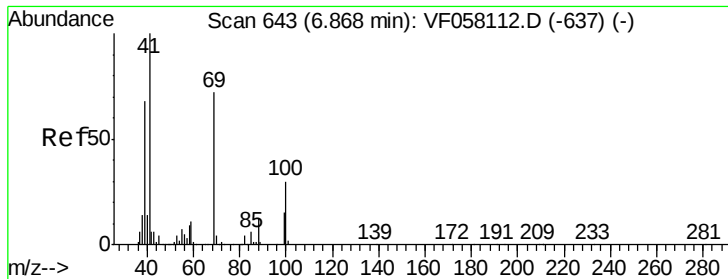


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

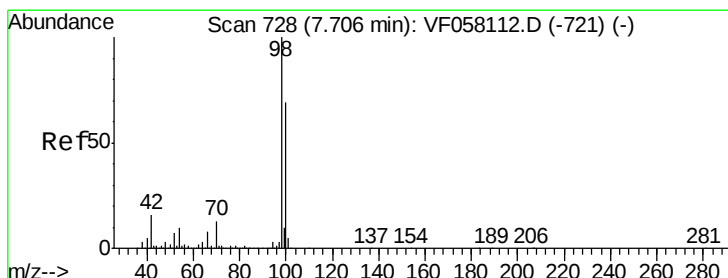
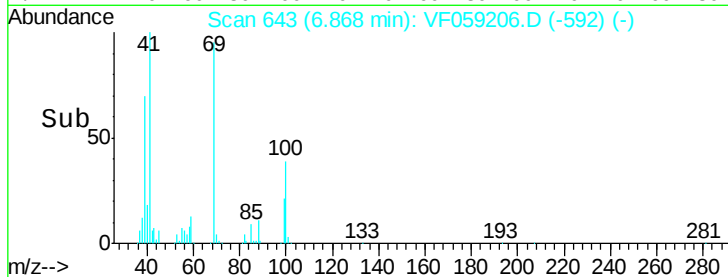
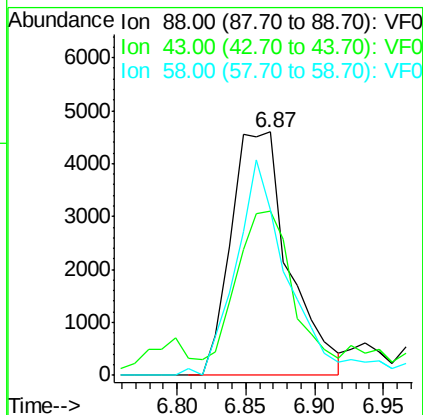
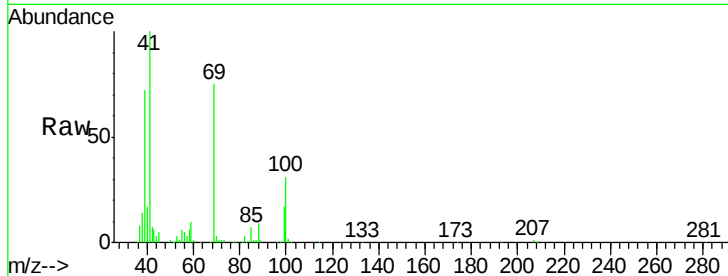




#49
1,4-Dioxane
Concen: 890.099 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

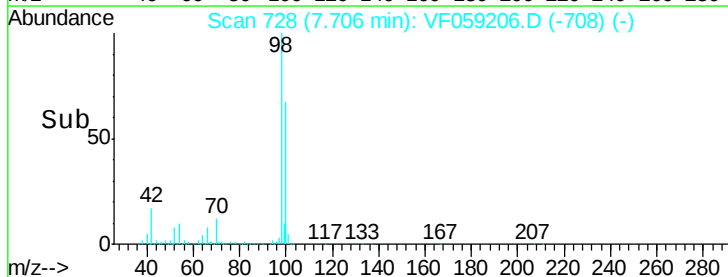
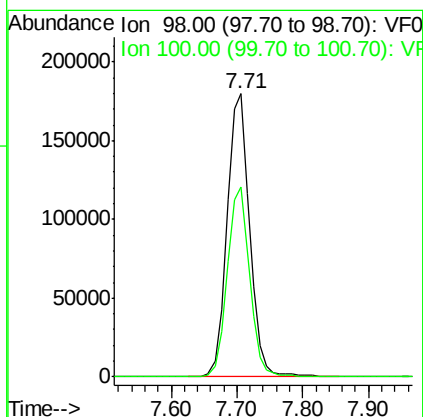
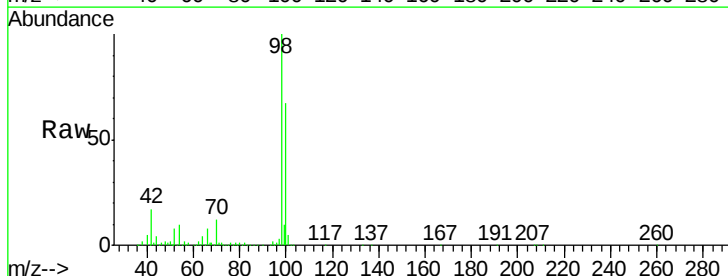
Instrument :
MSVOA_F
ClientSampleId :

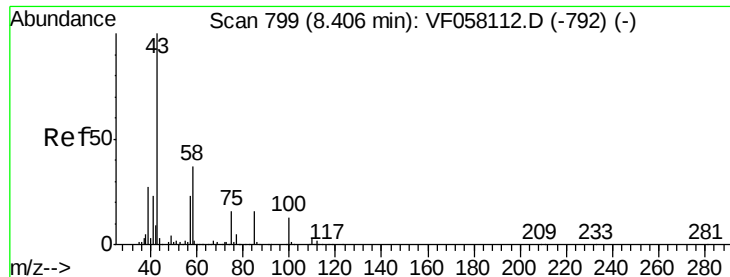
Tot Ion: 88 Resp: 13476
Ion Ratio Lower Upper
88 100
43 67.5 47.8 71.8
58 67.8 59.4 89.0



#50
Toluene-d8
Concen: 50.086 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion: 98 Resp: 432125
Ion Ratio Lower Upper
98 100
100 67.0 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 277.577 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

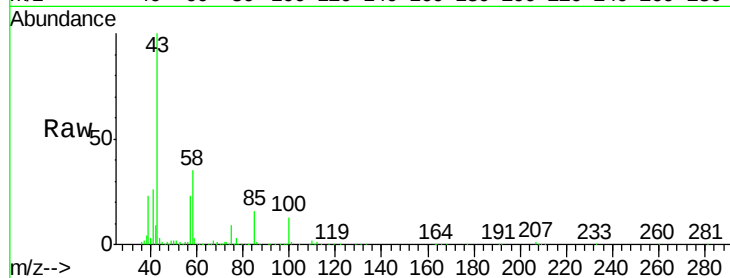
ClientSampled :

Tot Ion: 43 Resp: 638690

Ion Ratio Lower Upper

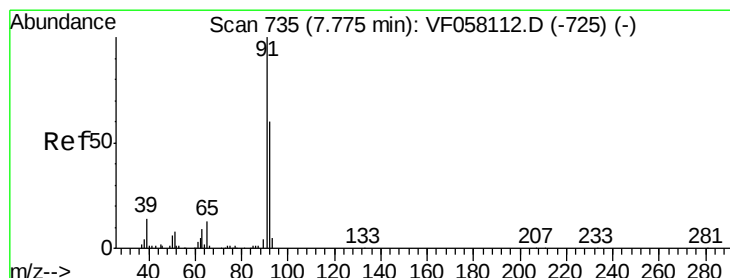
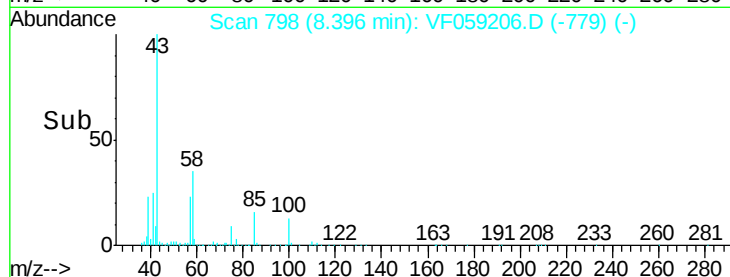
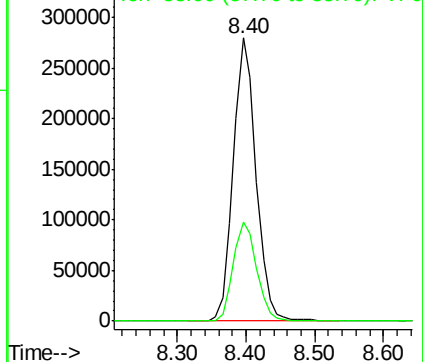
43 100

58 34.9 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: 51.278 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059206.D

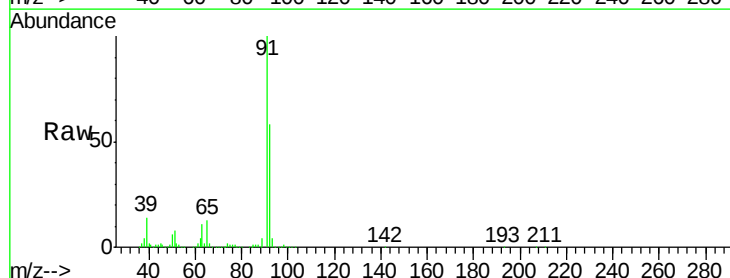
Acq: 20 Jun 2018 00:44

Tgt Ion: 92 Resp: 347787

Ion Ratio Lower Upper

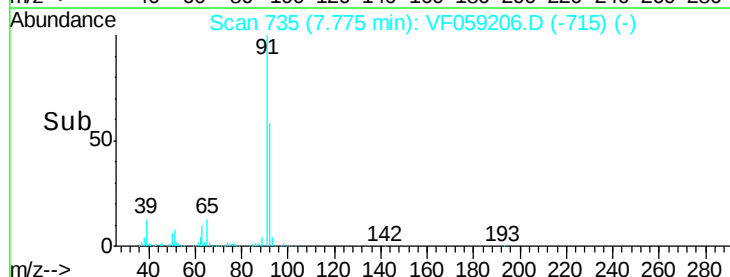
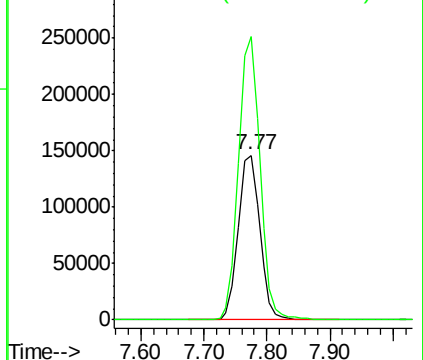
92 100

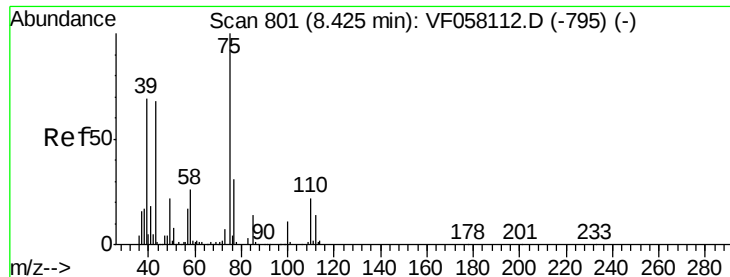
91 172.0 132.9 199.3



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: 53.471 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

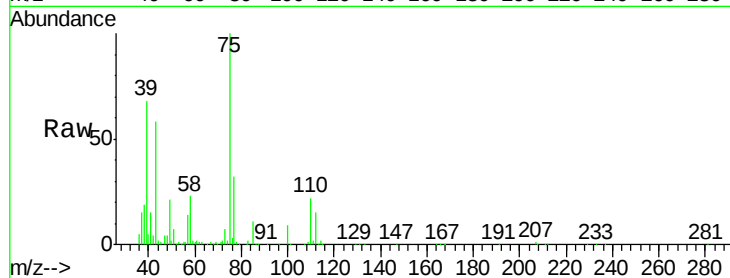
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 240658

Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.43

100000

80000

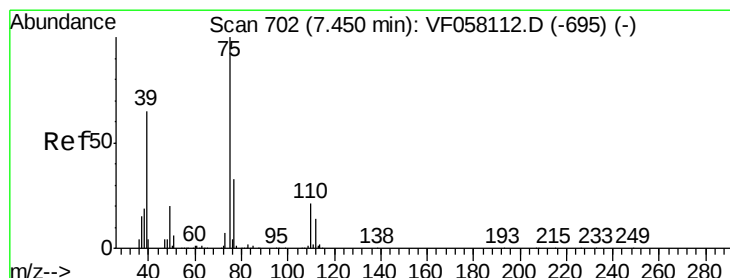
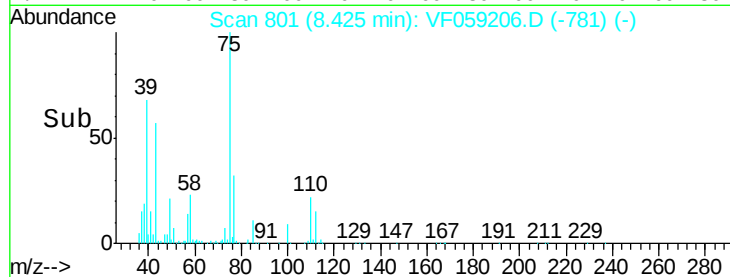
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.457 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

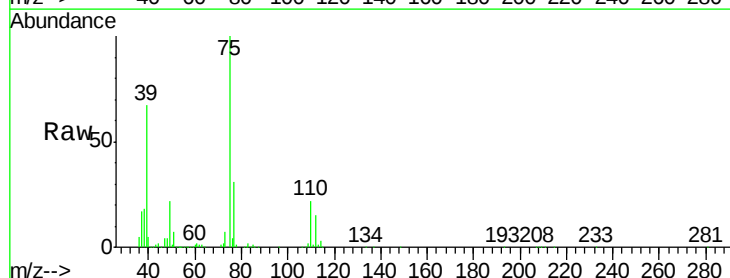
Tgt Ion: 75 Resp: 266040

Ion Ratio Lower Upper

75 100

77 30.6 26.3 39.5

39 67.4 52.1 78.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

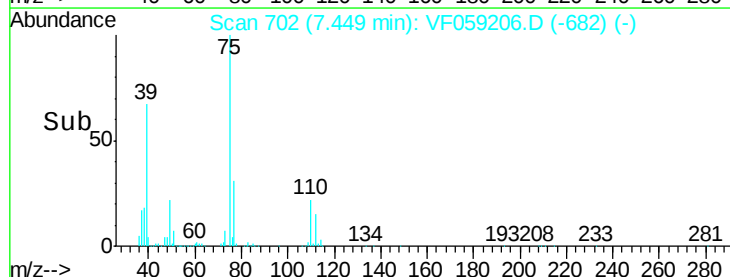
150000

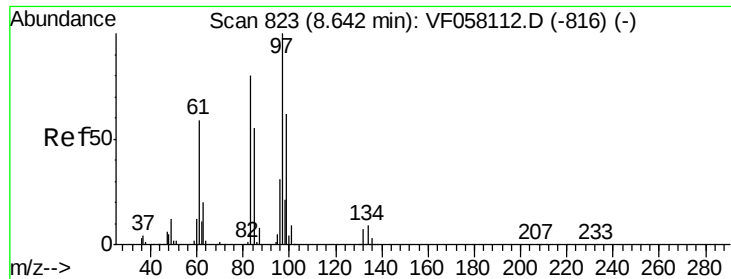
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 57.212 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 140616

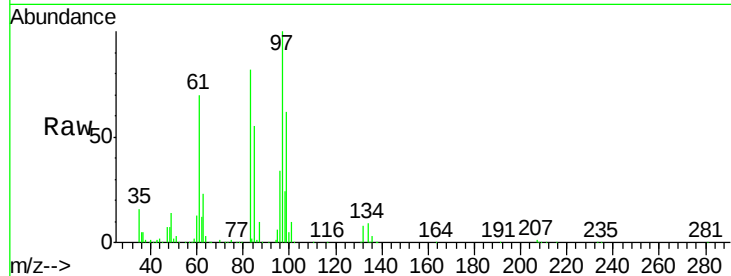
Ion Ratio Lower Upper

97 100

83 81.6 64.3 96.5

85 54.7 43.8 65.8

99 62.0 49.8 74.8

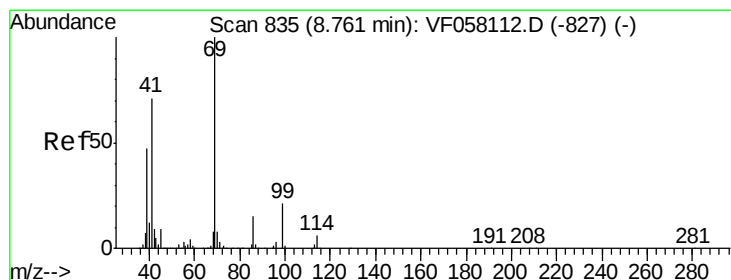
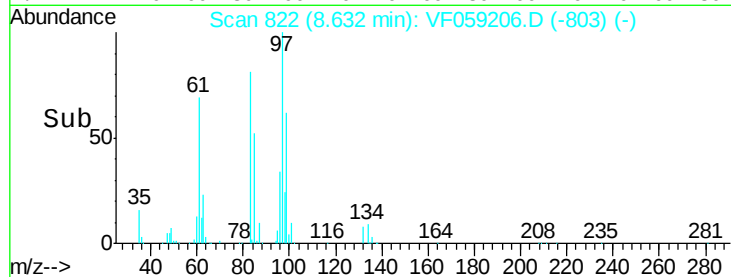
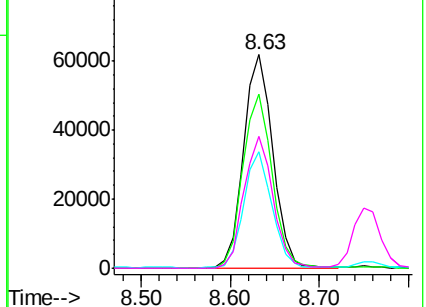


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 55.997 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

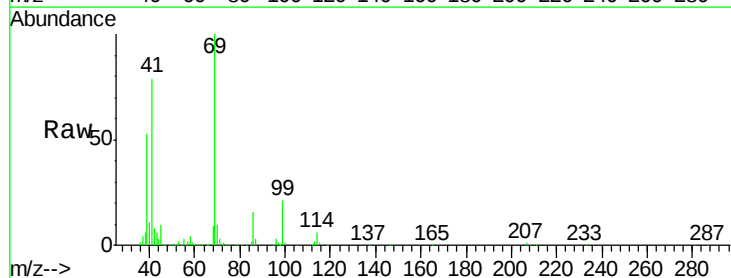
Tgt Ion: 69 Resp: 173479

Ion Ratio Lower Upper

69 100

41 79.1 56.9 85.3

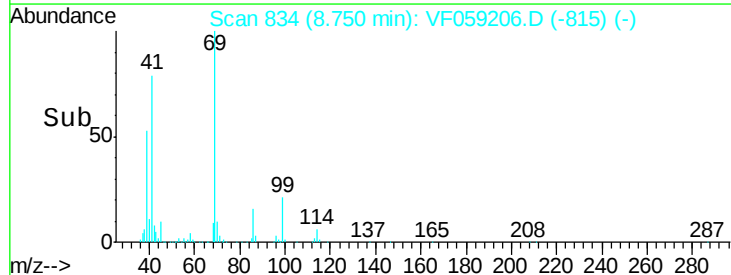
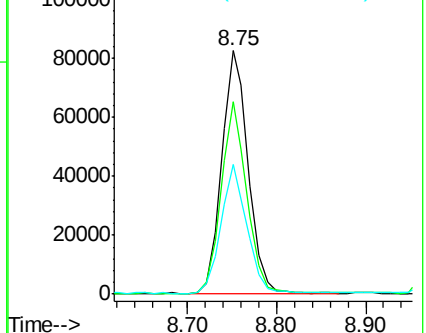
39 53.5 38.0 57.0

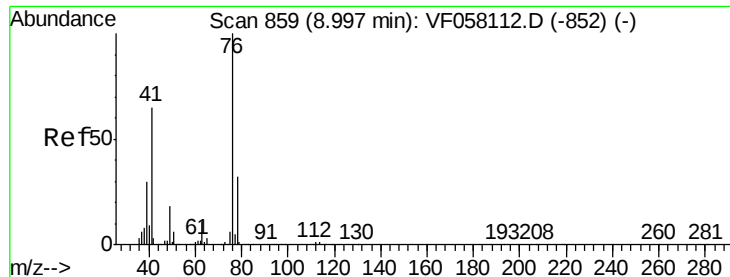


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 54.166 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

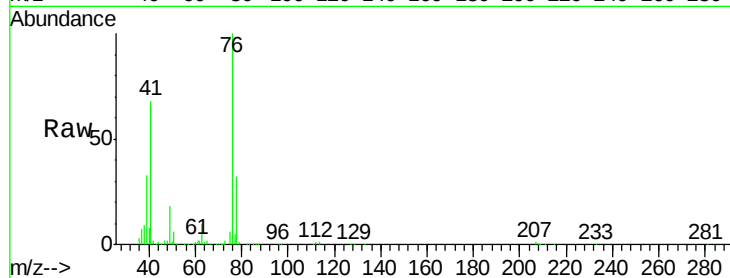
ClientSampleId :

Tot Ion: 76 Resp: 227729

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.6



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

9.00

100000

80000

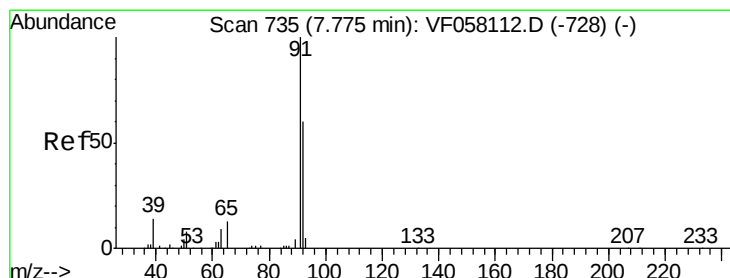
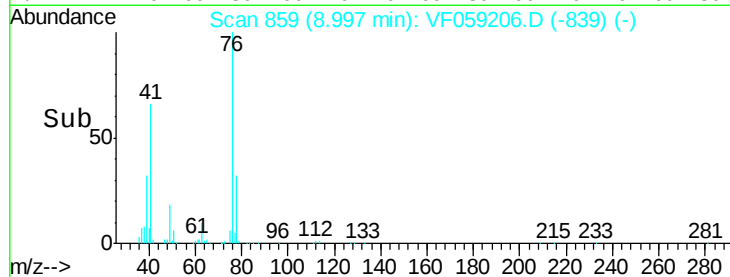
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 270.020 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059206.D

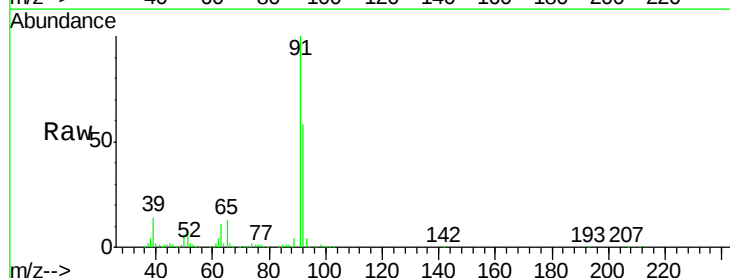
Acq: 20 Jun 2018 00:44

Tgt Ion: 63 Resp: 59815

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.77

30000

25000

20000

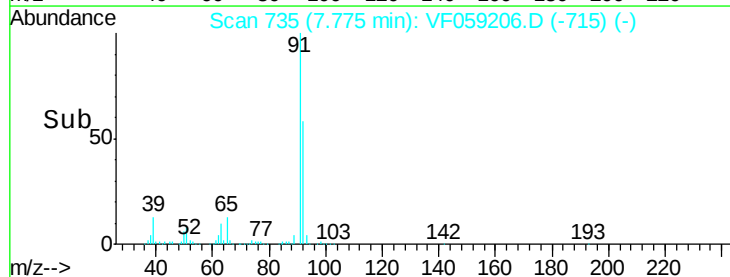
15000

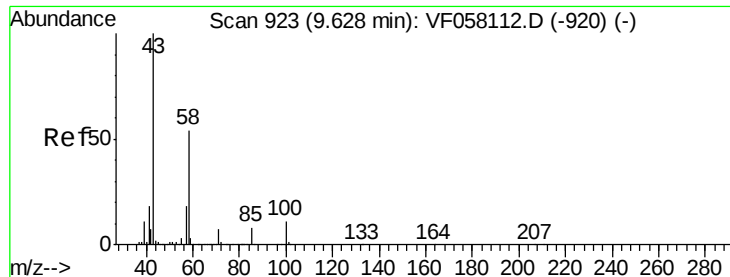
10000

5000

0

Time-->

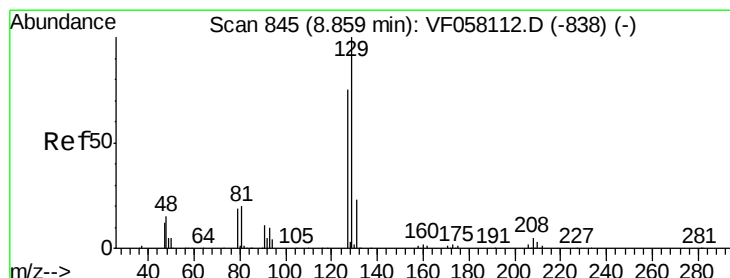
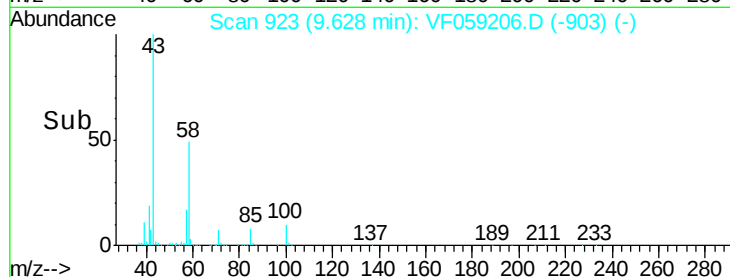
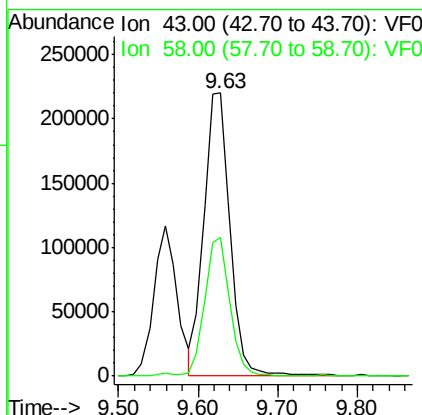
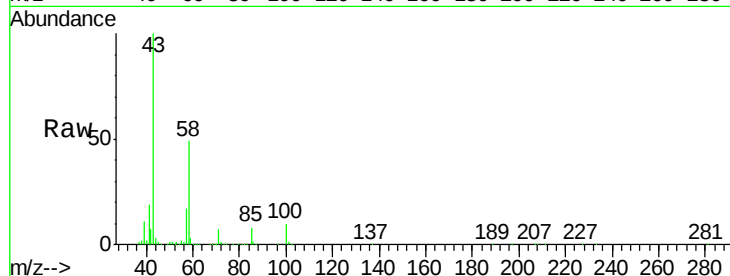




#59
2-Hexanone
Concen: 274.181 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

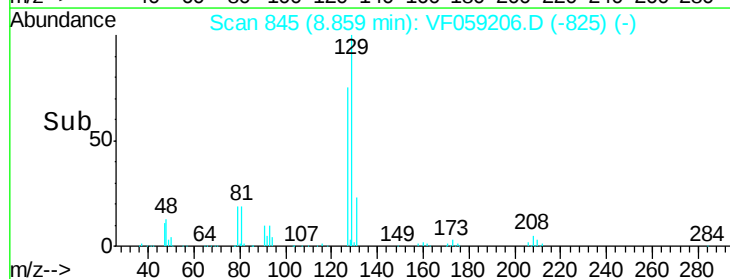
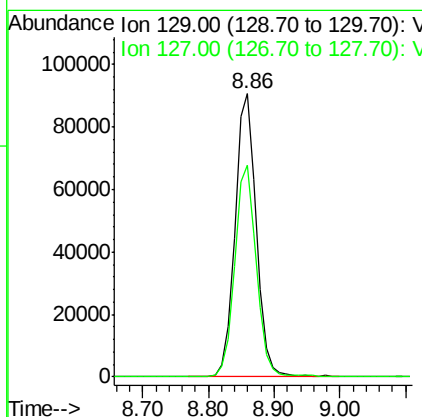
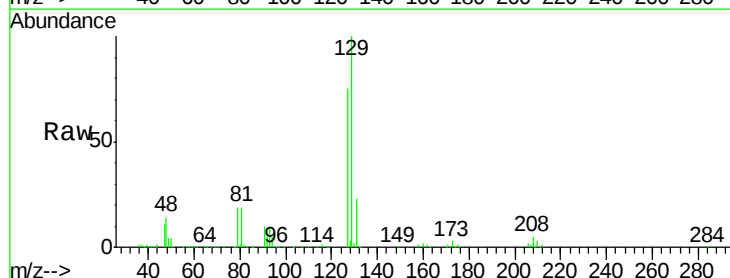
Instrument :
MSVOA_F
ClientSampleId :

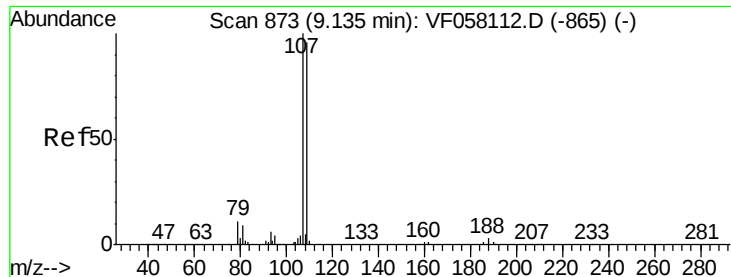
Tot Ion: 43 Resp: 499021
Ion Ratio Lower Upper
43 100
58 49.2 26.3 78.8



#60
Dibromochloromethane
Concen: 58.278 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion: 129 Resp: 205829
Ion Ratio Lower Upper
129 100
127 75.0 37.6 112.9





#61

1,2-Dibromoethane

Concen: 58.179 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

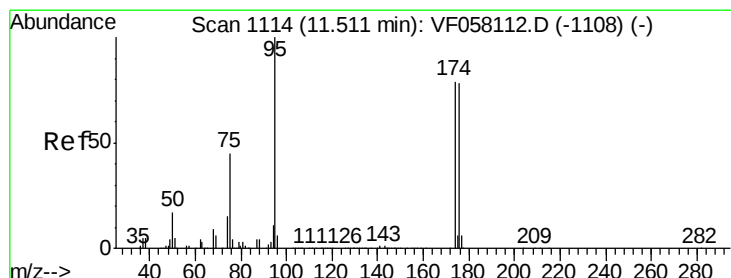
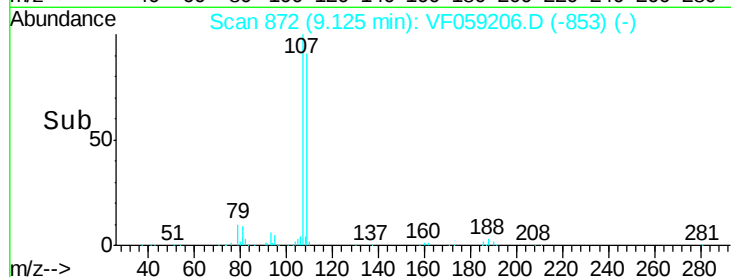
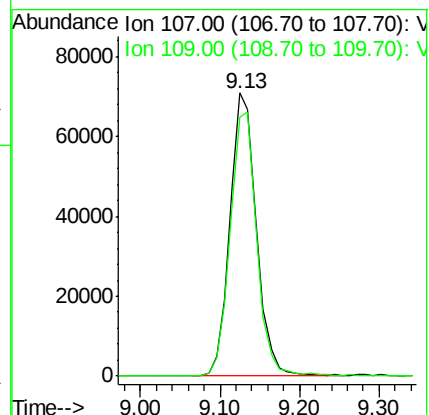
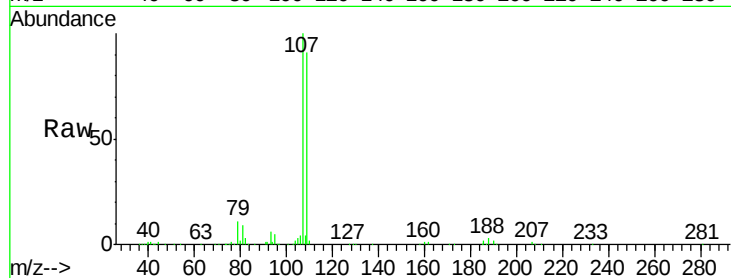
ClientSampleId :

Tot Ion:107 Resp: 166151

Ion Ratio Lower Upper

107 100

109 91.3 76.6 115.0



#62

4-Bromofluorobenzene

Concen: 50.945 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

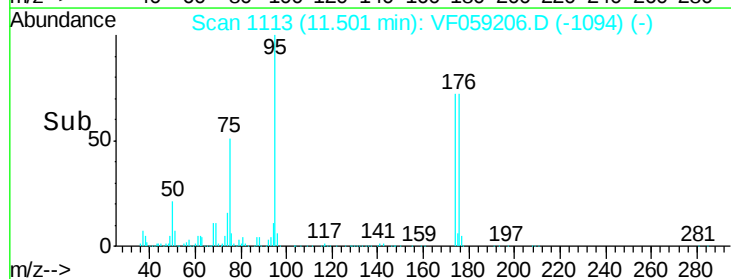
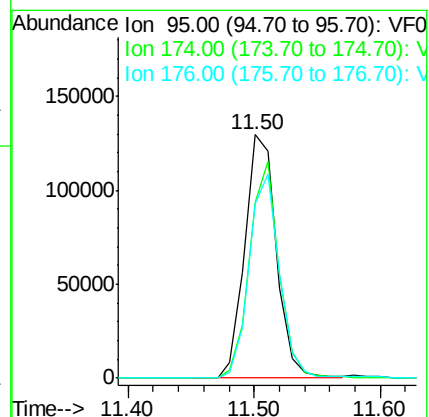
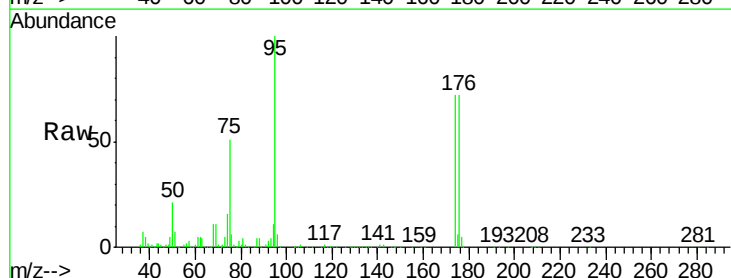
Tgt Ion: 95 Resp: 225443

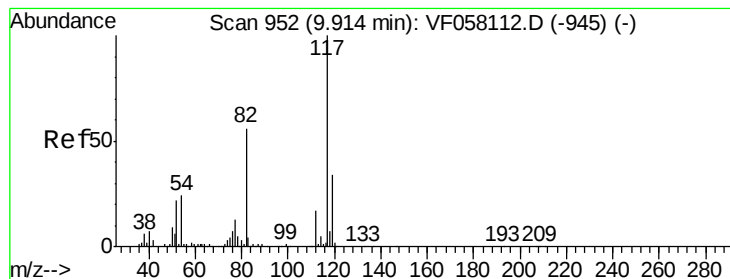
Ion Ratio Lower Upper

95 100

174 71.9 0.0 157.8

176 71.5 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: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

ClientSampleId :

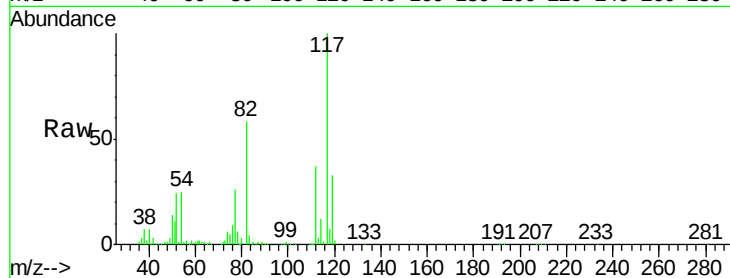
Tot Ion:117 Resp: 412401

Ion Ratio Lower Upper

117 100

82 57.5 45.2 67.8

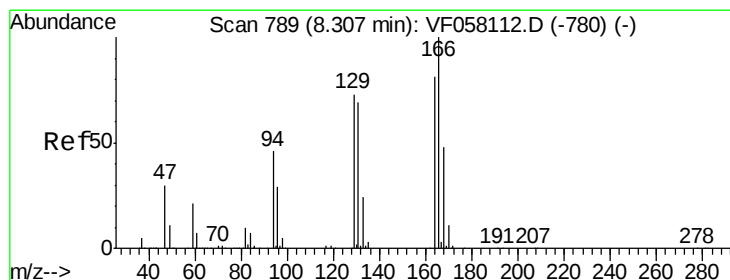
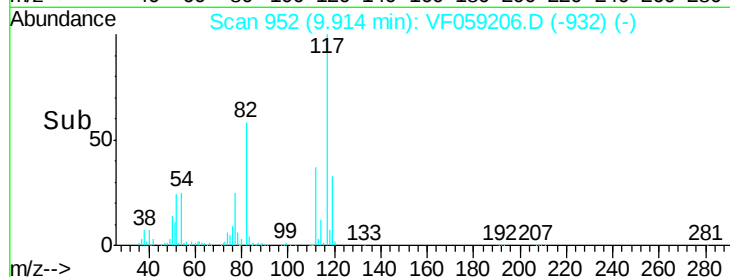
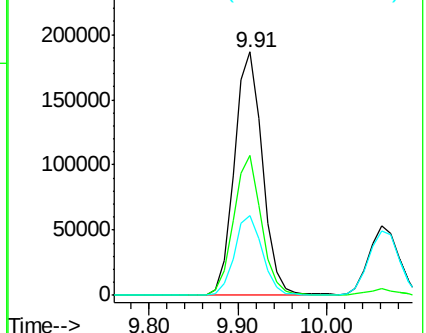
119 32.6 27.5 41.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 56.318 ug/l

RT: 8.30 min Scan# 788

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Tgt Ion:164 Resp: 170348

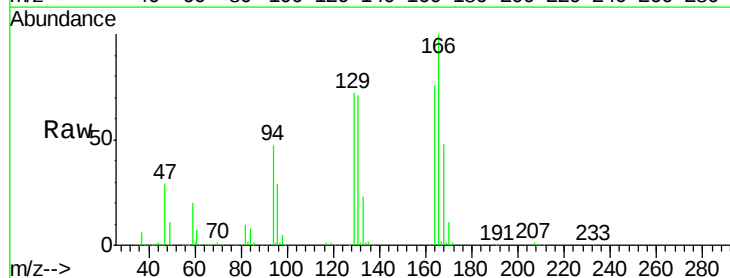
Ion Ratio Lower Upper

164 100

166 131.5 98.2 147.4

129 95.3 71.6 107.4

131 93.8 67.8 101.6

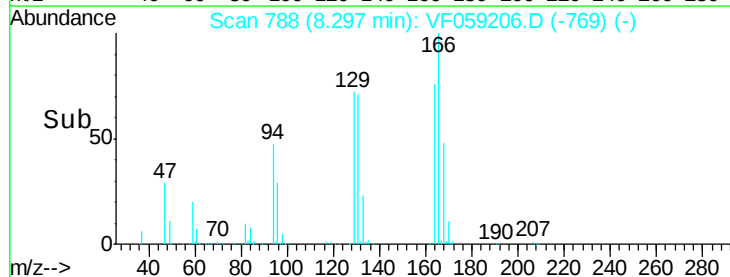
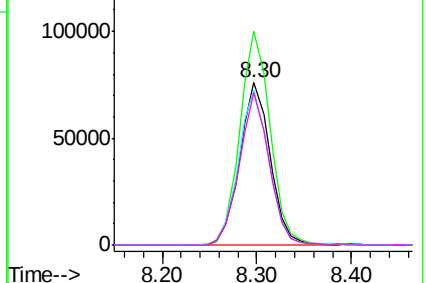


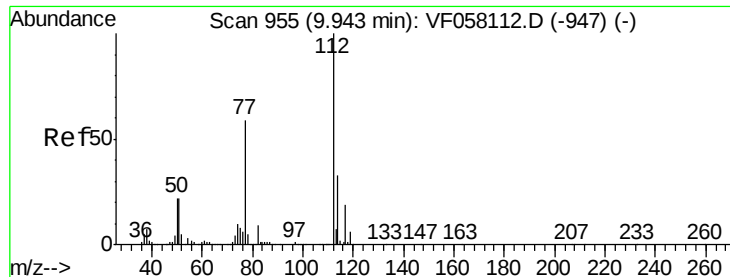
Abundance Ion 163.85 (163.55 to 164.55): V

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

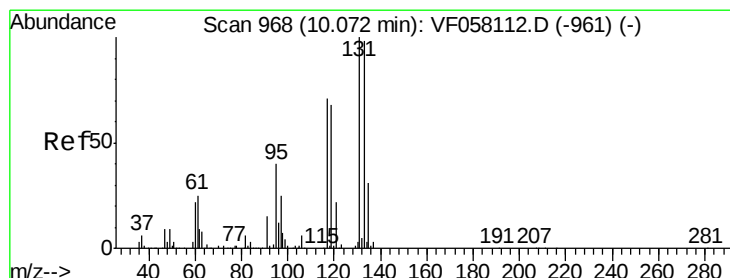
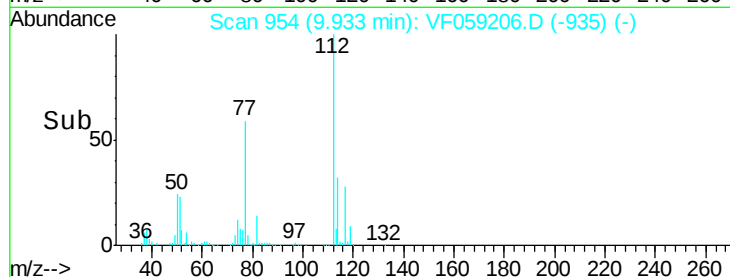
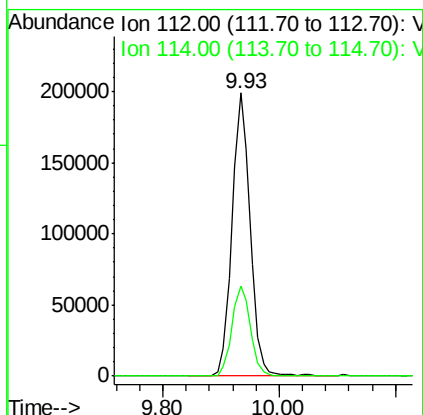
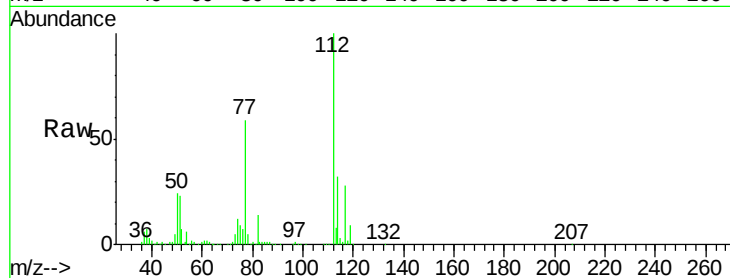




#65
Chlorobenzene
Concen: 52.604 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

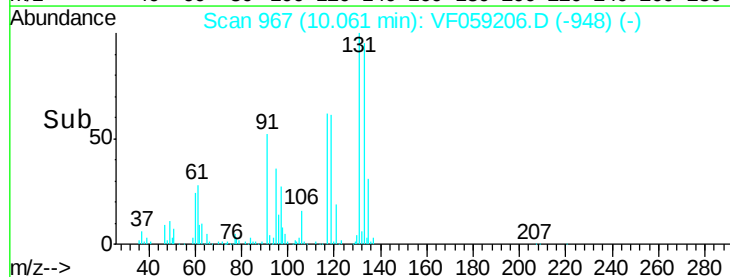
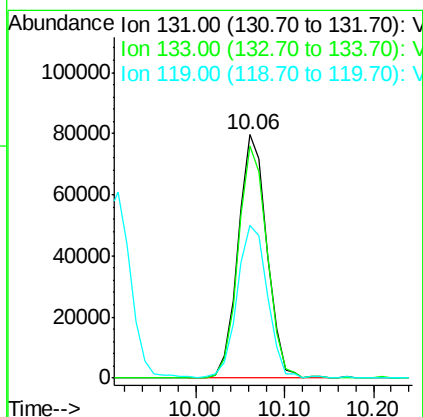
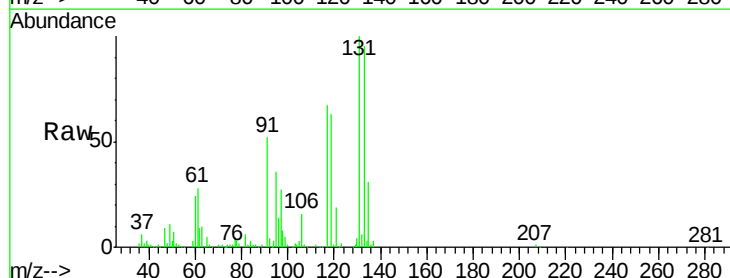
Instrument :
MSVOA_F
ClientSampleId :

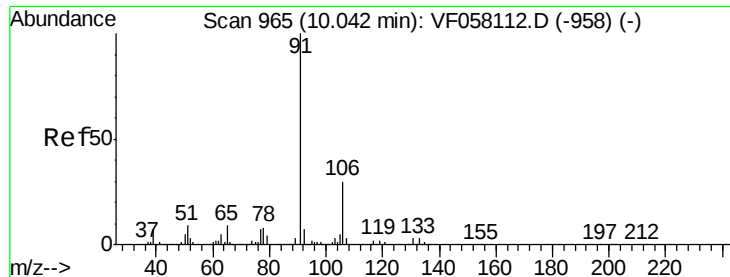
Tot Ion:112 Resp: 429587
Ion Ratio Lower Upper
112 100
114 31.8 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 55.063 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion:131 Resp: 178874
Ion Ratio Lower Upper
131 100
133 95.1 49.1 147.4
119 62.6 34.3 102.8





#67

Ethyl Benzene

Concen: 51.739 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

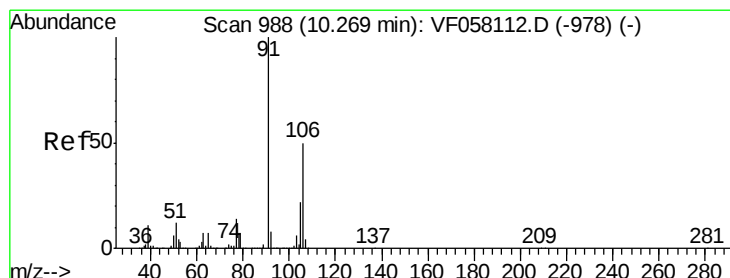
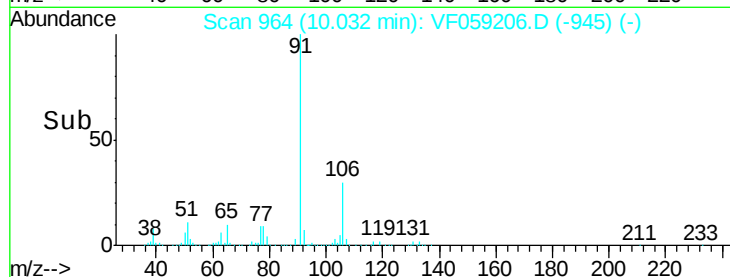
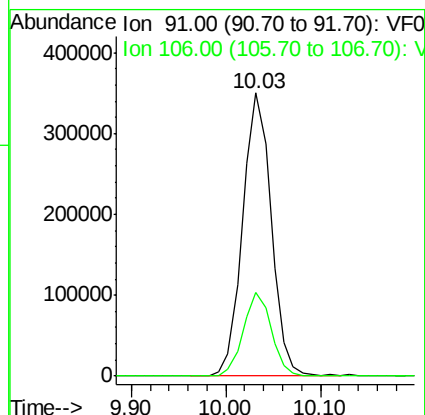
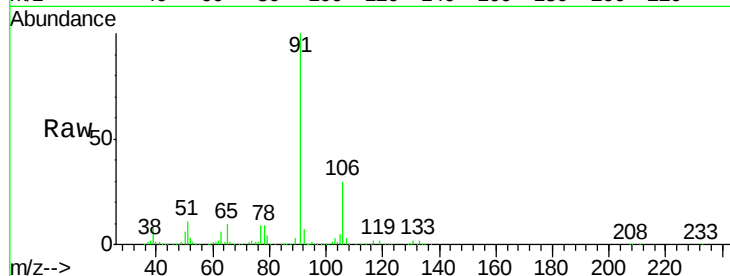
ClientSampleId :

Tot Ion: 91 Resp: 734169

Ion Ratio Lower Upper

91 100

106 29.8 24.2 36.4



#68

m/p-Xylenes

Concen: 101.953 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059206.D

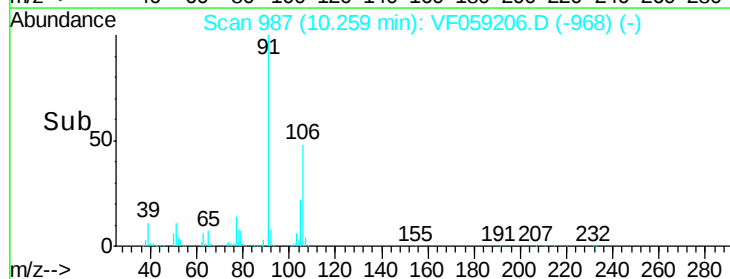
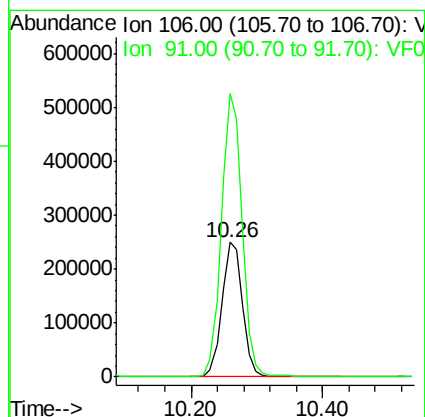
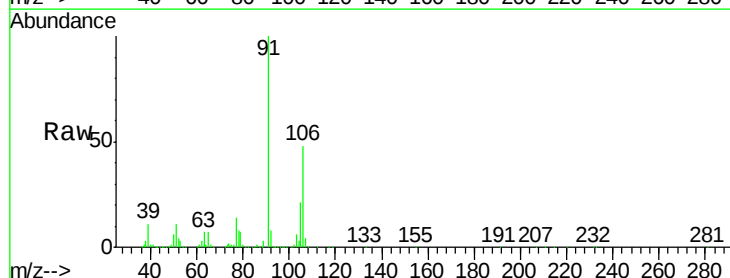
Acq: 20 Jun 2018 00:44

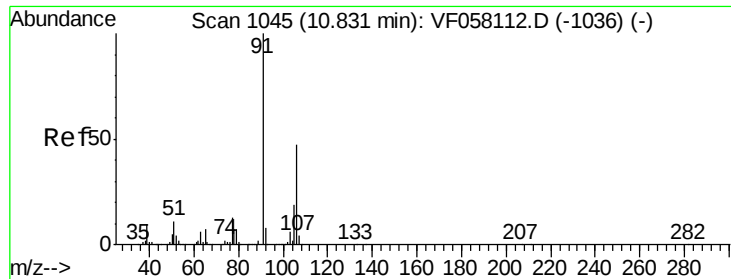
Tgt Ion:106 Resp: 541637

Ion Ratio Lower Upper

106 100

91 210.4 160.7 241.1

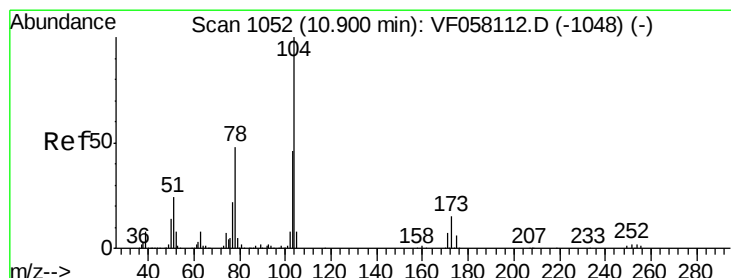
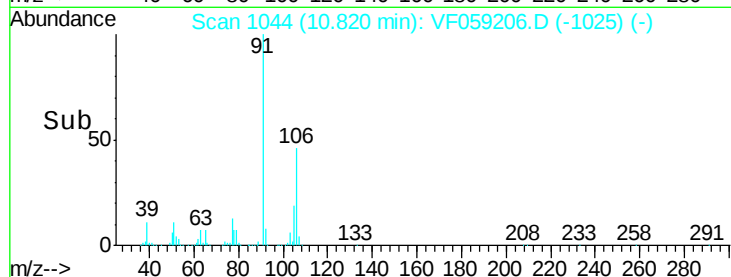
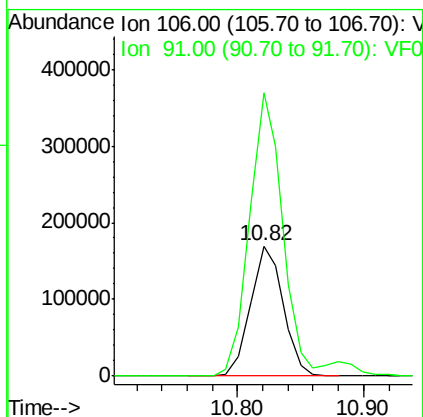
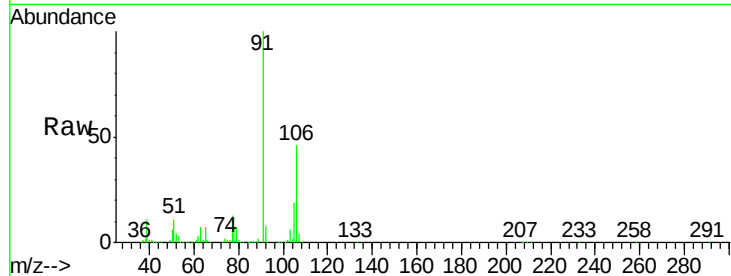




#69
o-Xylene
Concen: 53.570 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

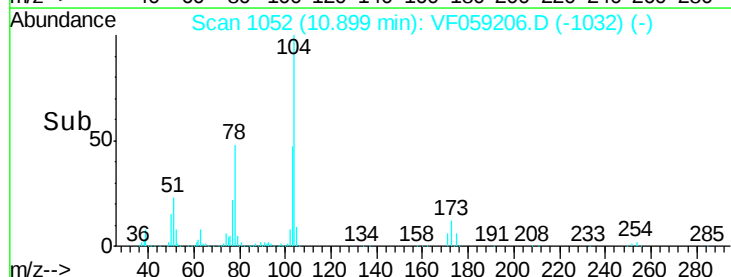
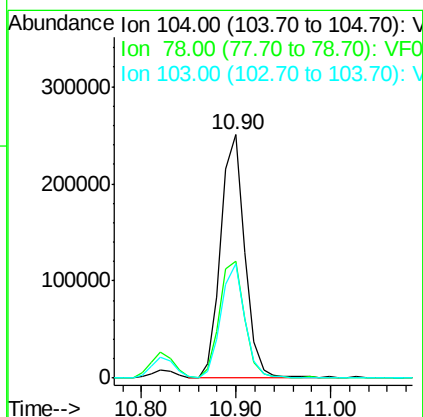
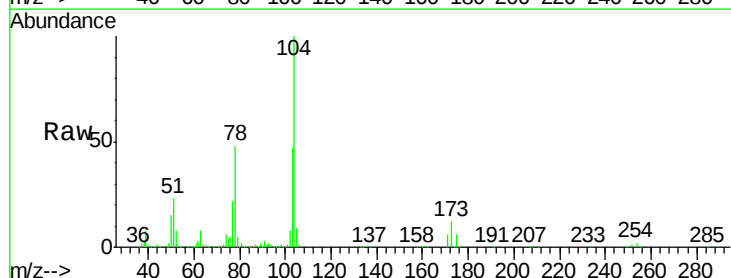
Instrument :
MSVOA_F
ClientSampled :

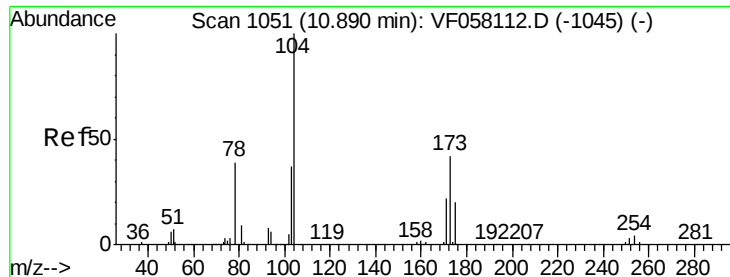
Tot Ion:106 Resp: 307587
Ion Ratio Lower Upper
106 100
91 217.5 107.0 321.0



#70
Styrene
Concen: 50.784 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion:104 Resp: 441180
Ion Ratio Lower Upper
104 100
78 48.2 38.4 57.6
103 47.0 37.0 55.6





#71

Bromoform

Concen: 59.222 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

ClientSampleId :

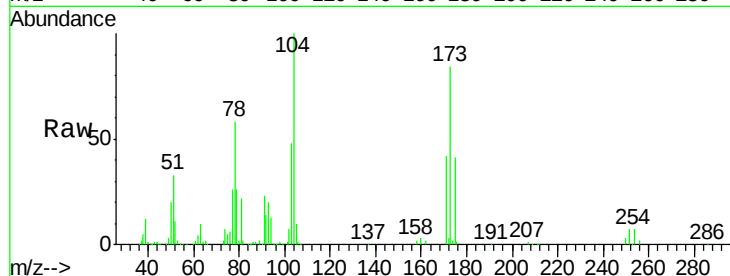
Tot Ion:173 Resp: 130651

Ion Ratio Lower Upper

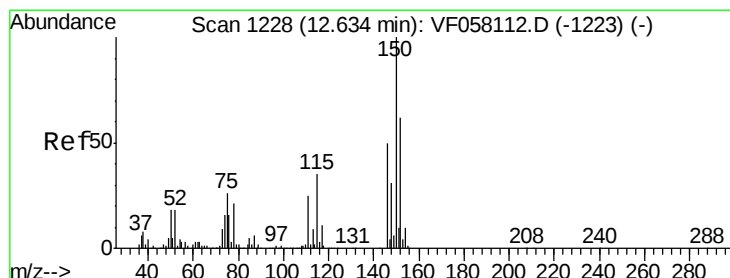
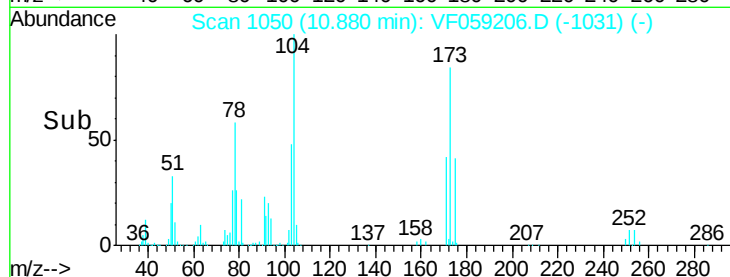
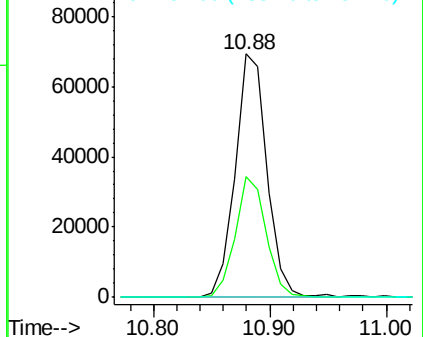
173 100

175 50.2 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: VF059206.D

Acq: 20 Jun 2018 00:44

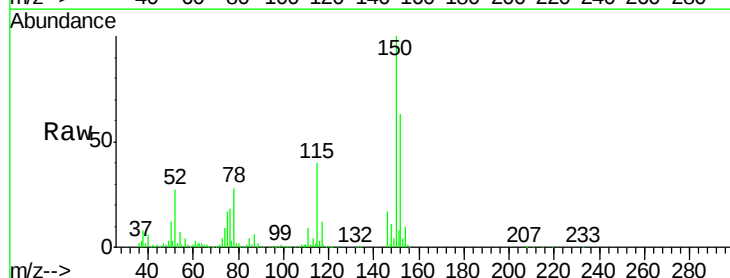
Tgt Ion:152 Resp: 239896

Ion Ratio Lower Upper

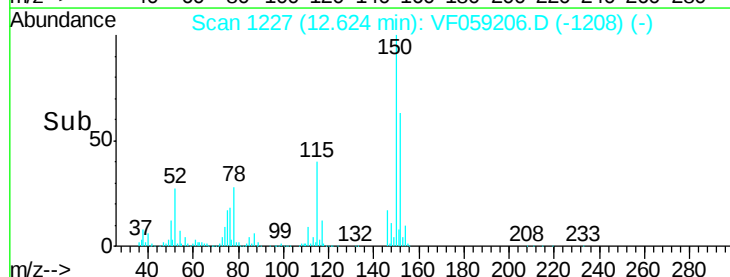
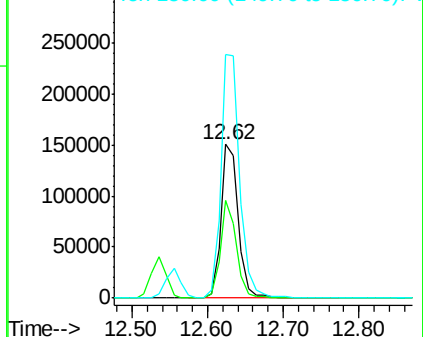
152 100

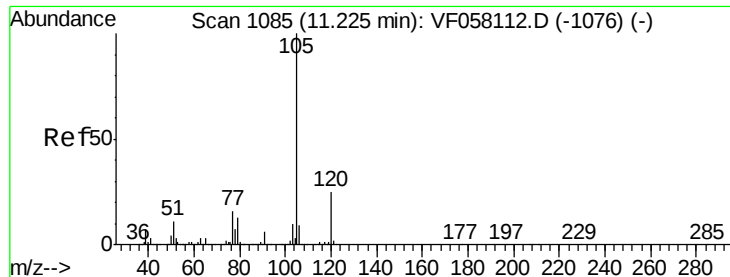
115 64.0 28.5 85.5

150 158.7 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: 51.066 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

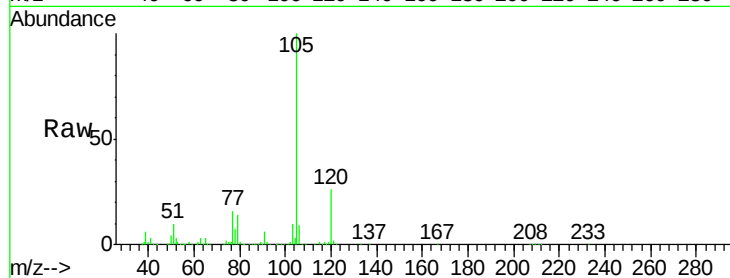
ClientSampled :

Tot Ion:105 Resp: 848162

Ion Ratio Lower Upper

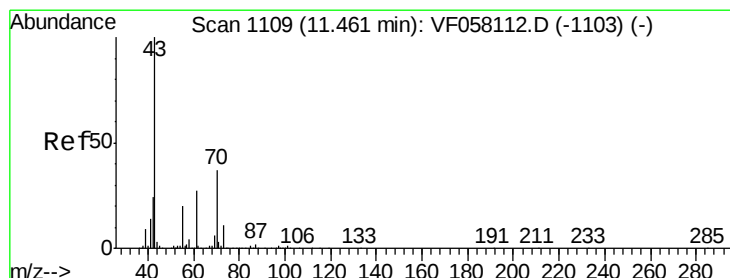
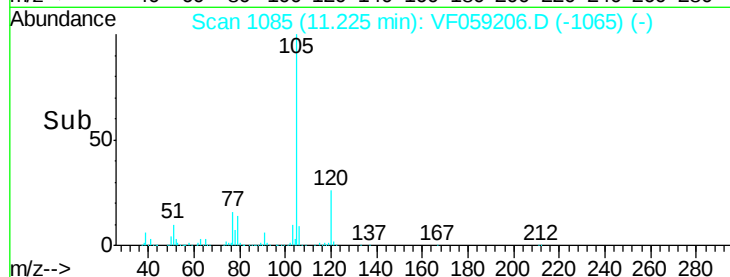
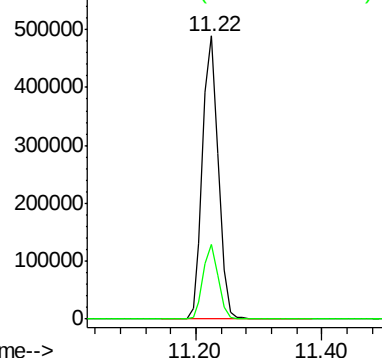
105 100

120 26.3 12.7 38.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.489 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Tgt Ion: 43 Resp: 311417

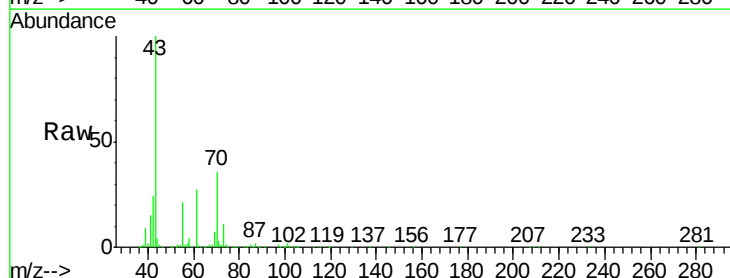
Ion Ratio Lower Upper

43 100

70 36.1 29.2 43.8

55 21.1 15.8 23.6

61 26.6 21.3 31.9

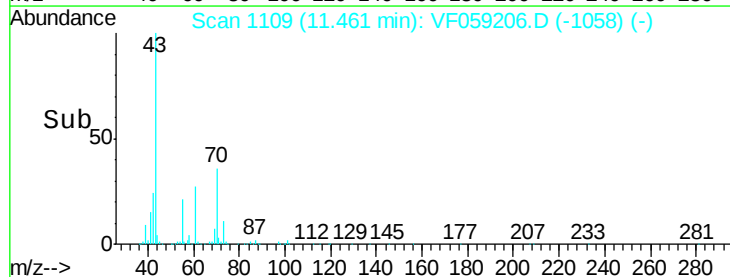
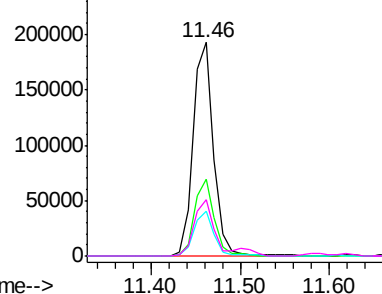


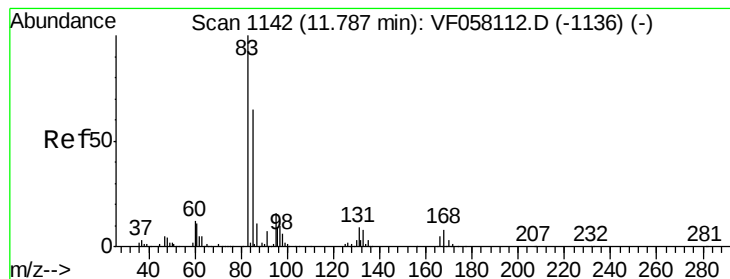
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.584 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

ClientSampleId :

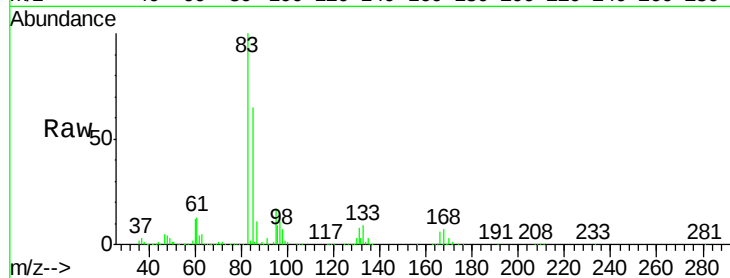
Tot Ion: 83 Resp: 203123

Ion Ratio Lower Upper

83 100

131 8.1 4.5 13.7

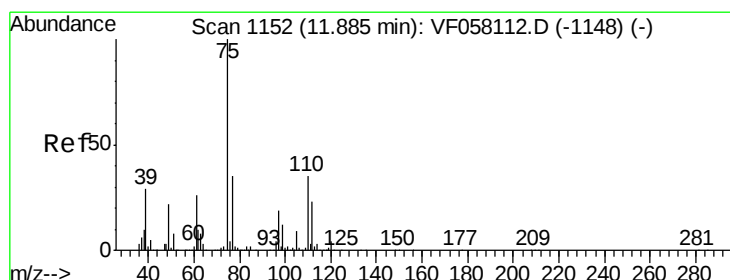
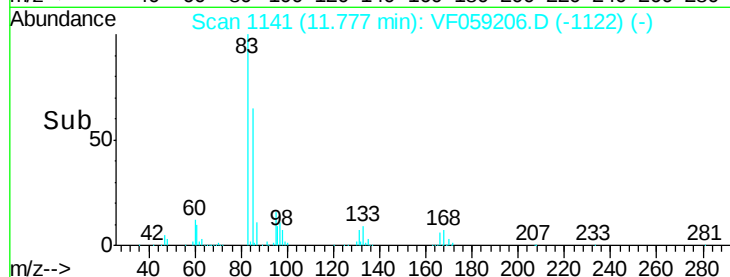
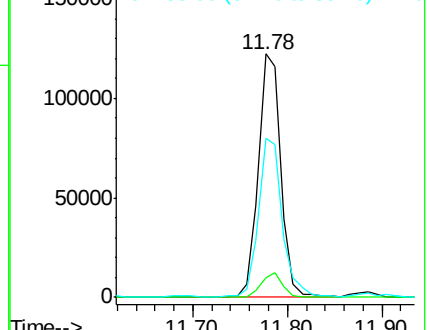
85 65.1 32.8 98.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 53.097 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF059206.D

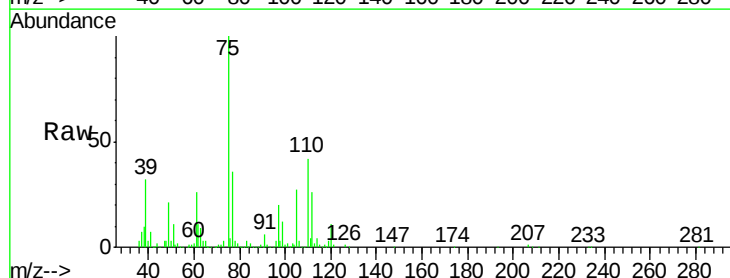
Acq: 20 Jun 2018 00:44

Tgt Ion: 75 Resp: 154417

Ion Ratio Lower Upper

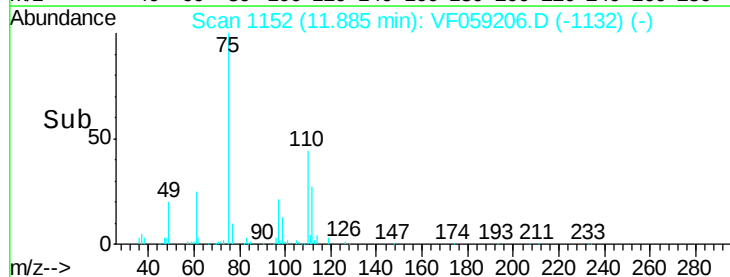
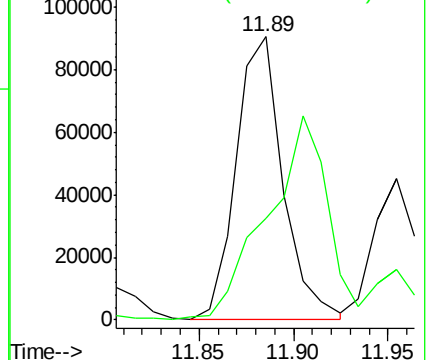
75 100

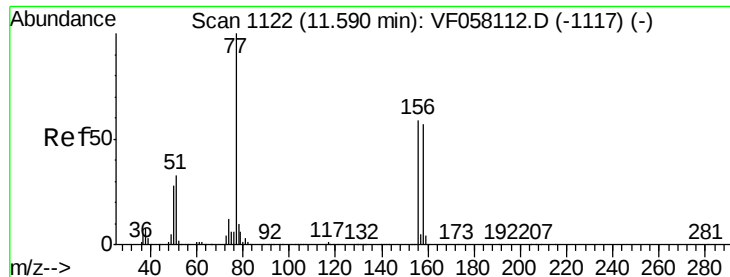
77 35.9 17.5 52.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 53.136 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

ClientSampleId :

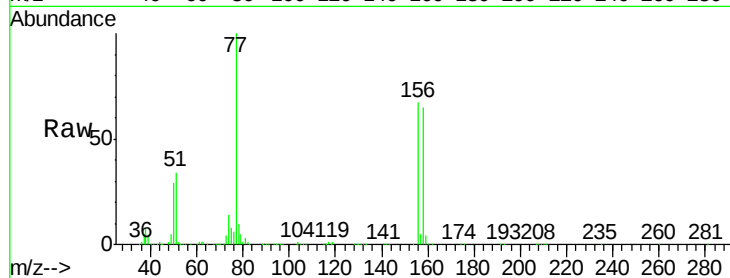
Tot Ion:156 Resp: 222112

Ion Ratio Lower Upper

156 100

77 149.3 84.8 254.4

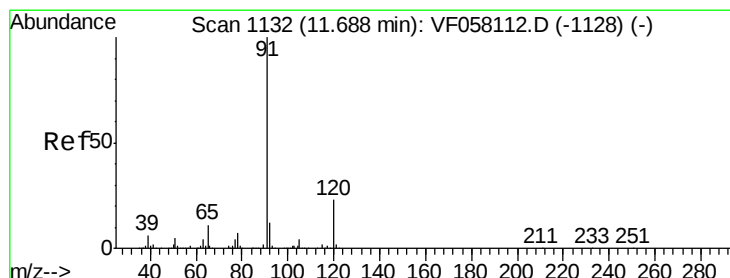
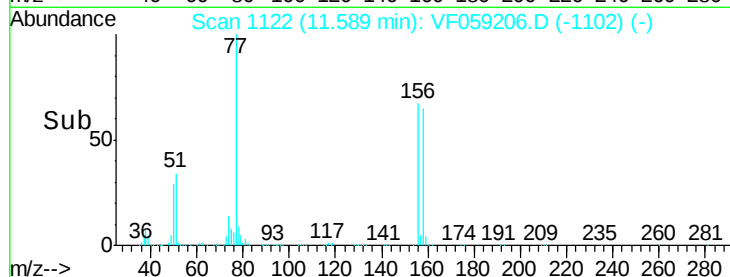
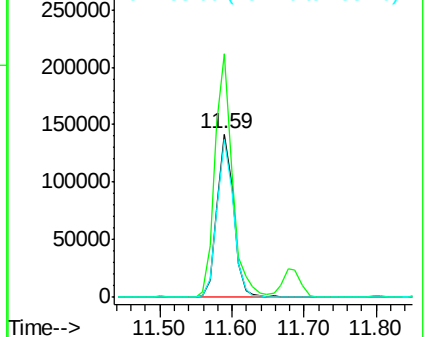
158 97.0 47.9 143.7



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: 49.504 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF059206.D

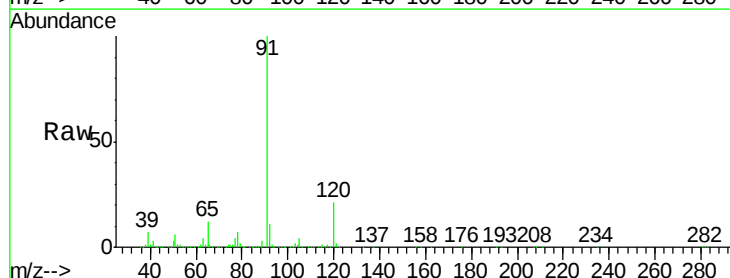
Acq: 20 Jun 2018 00:44

Tgt Ion: 91 Resp: 973201

Ion Ratio Lower Upper

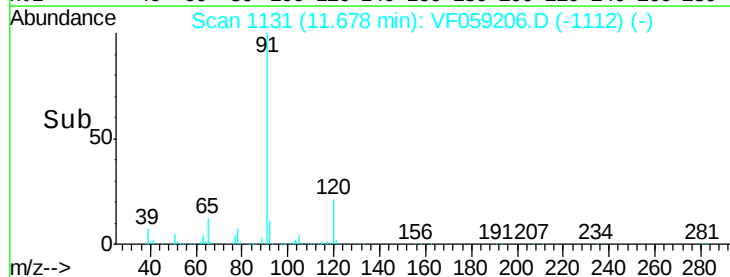
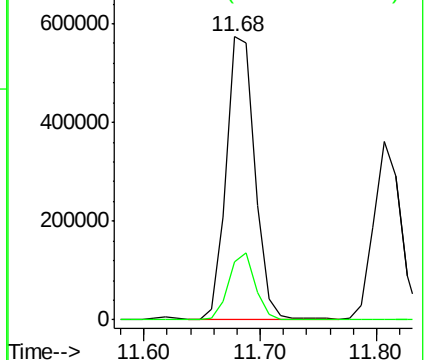
91 100

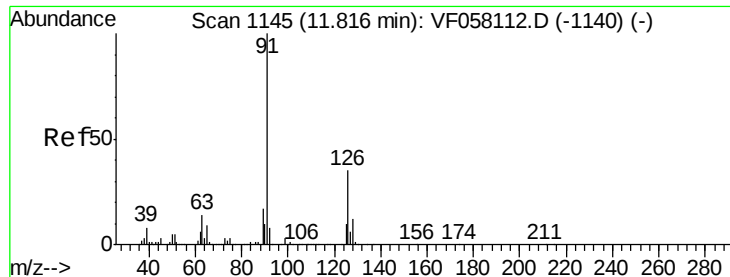
120 20.7 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.389 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

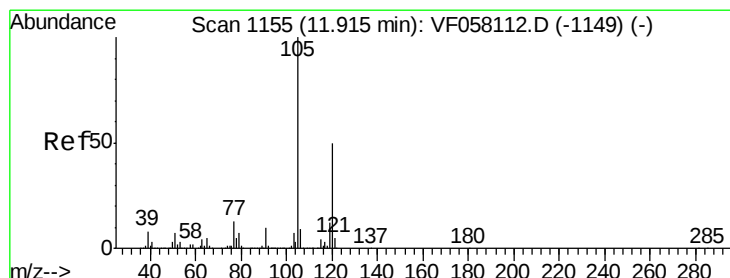
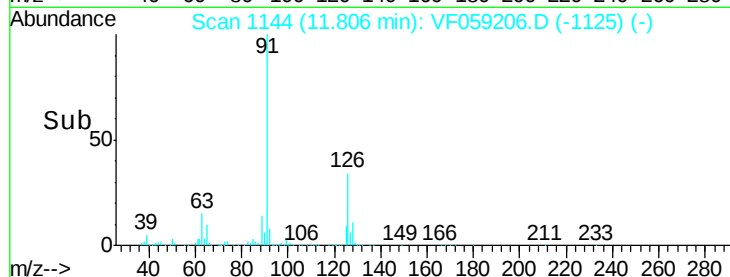
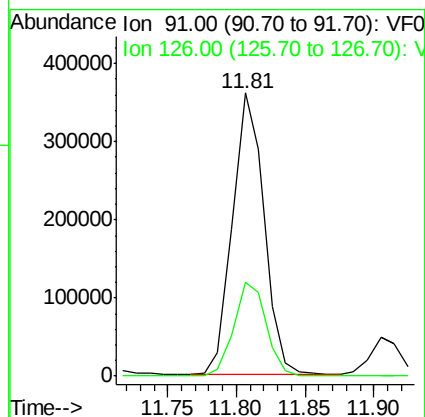
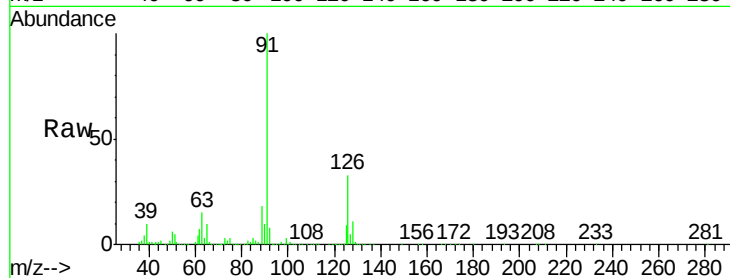
ClientSampleId :

Tot Ion: 91 Resp: 573600

Ion Ratio Lower Upper

91 100

126 33.2 17.6 52.9



#80

1,3,5-Trimethylbenzene

Concen: 51.970 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059206.D

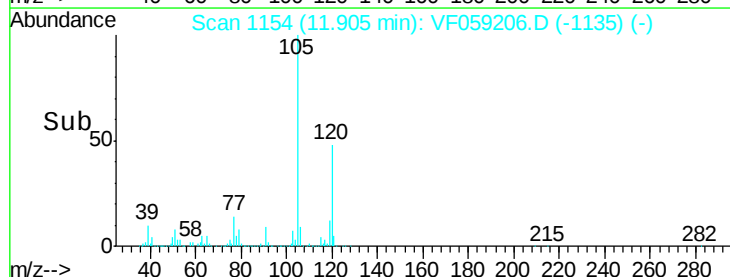
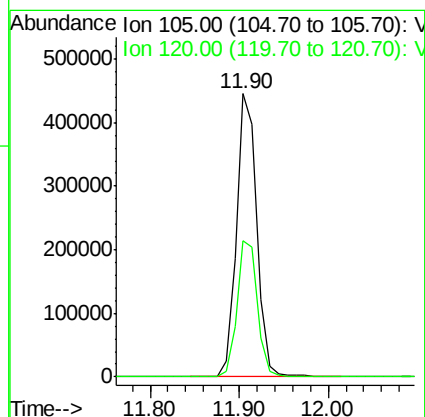
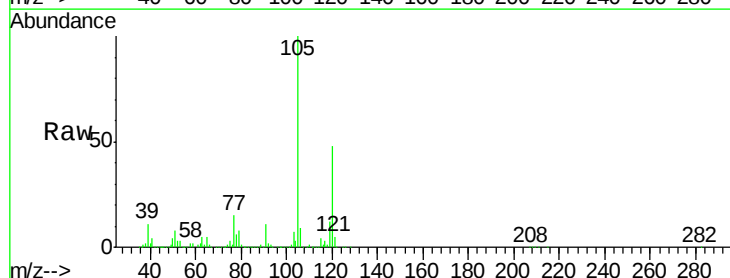
Acq: 20 Jun 2018 00:44

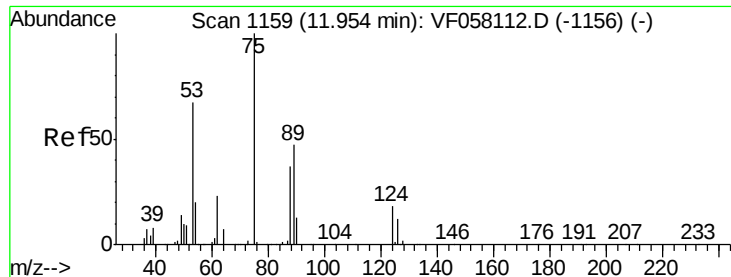
Tgt Ion:105 Resp: 714421

Ion Ratio Lower Upper

105 100

120 48.3 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 48.307 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

ClientSampleId :

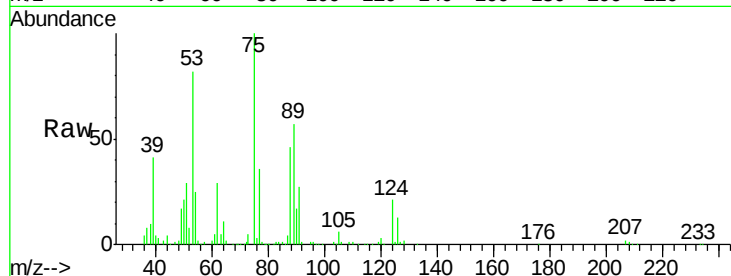
Tot Ion: 75 Resp: 91085

Ion Ratio Lower Upper

75 100

53 81.9 58.7 88.1

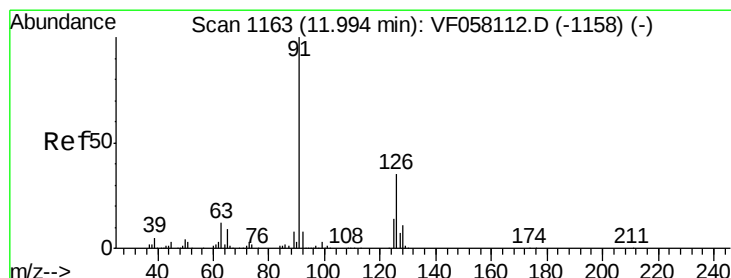
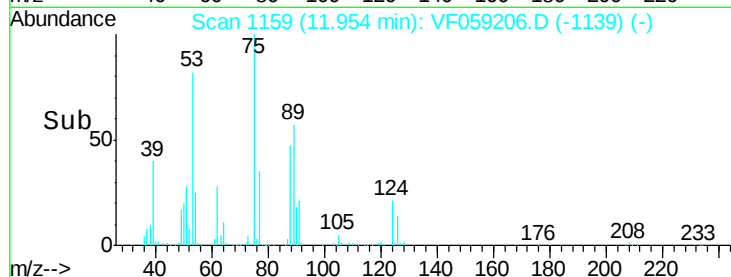
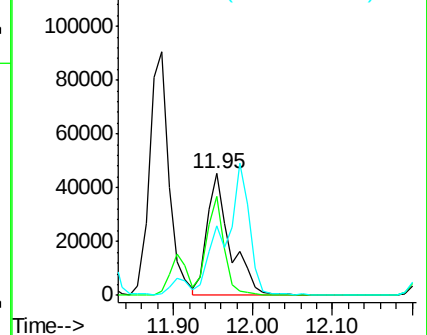
89 57.0 39.8 59.6



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: 51.581 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VF059206.D

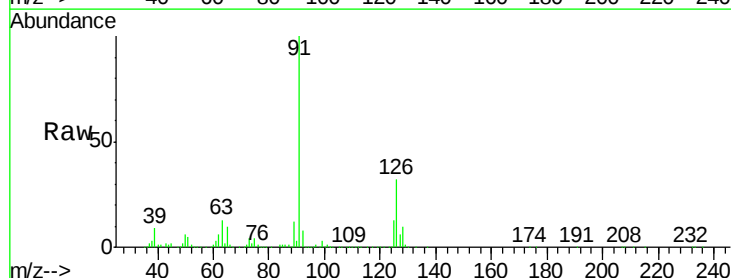
Acq: 20 Jun 2018 00:44

Tgt Ion: 91 Resp: 637751

Ion Ratio Lower Upper

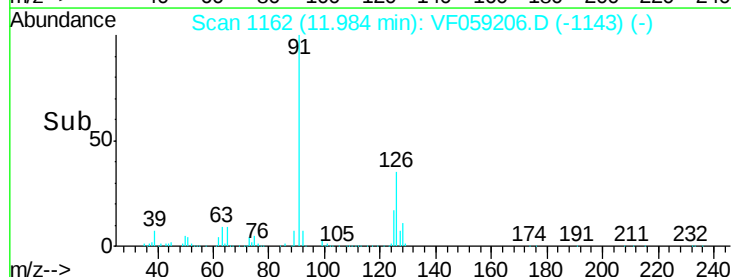
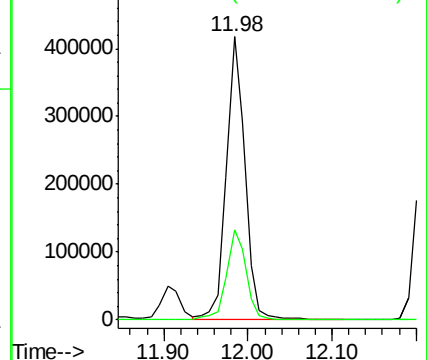
91 100

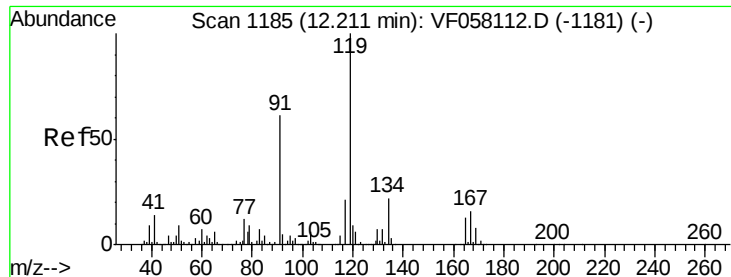
126 31.9 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

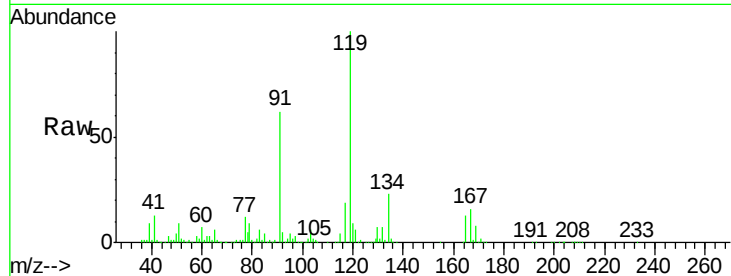




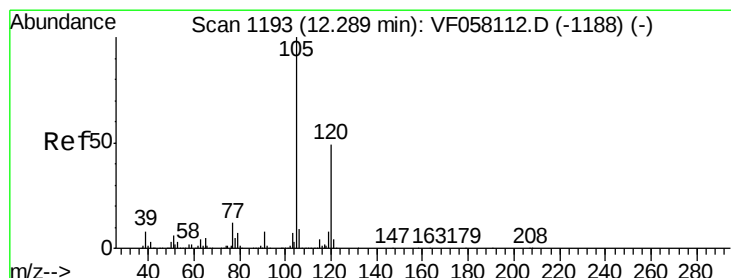
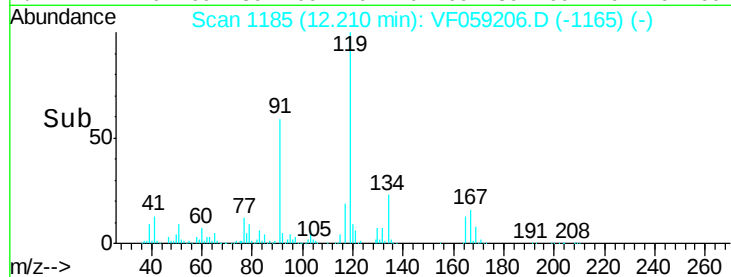
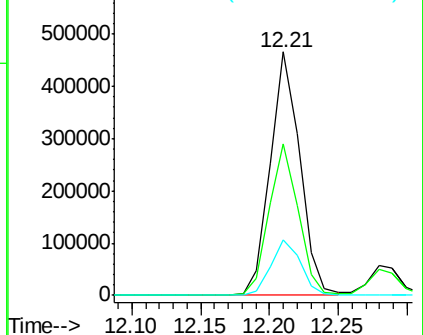
#83
tert-Butylbenzene
Concen: 51.135 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:119 Resp: 697978
Ion Ratio Lower Upper
119 100
91 62.3 30.4 91.3
134 22.8 11.2 33.5

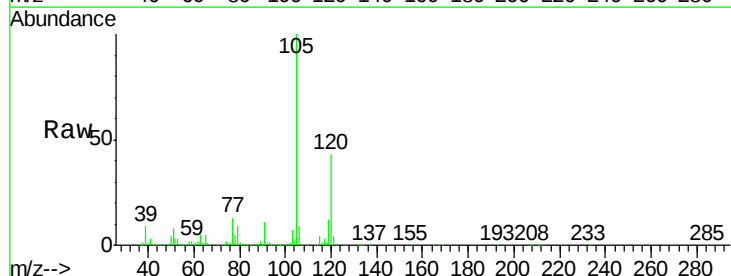


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

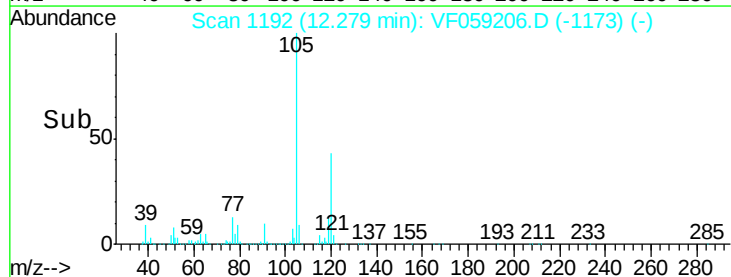
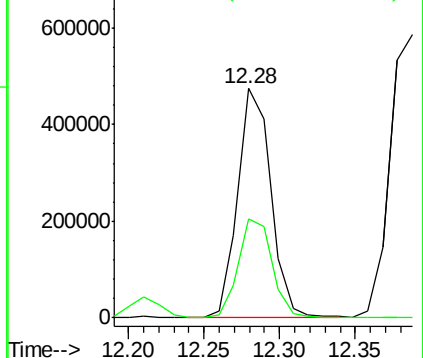


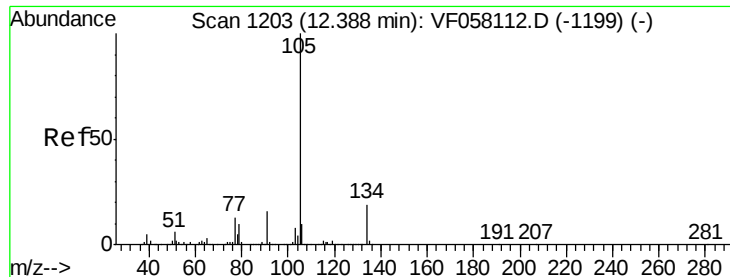
#84
1,2,4-Trimethylbenzene
Concen: 50.854 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion:105 Resp: 724338
Ion Ratio Lower Upper
105 100
120 43.3 24.7 74.1



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





#85

sec-Butylbenzene

Concen: 49.818 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

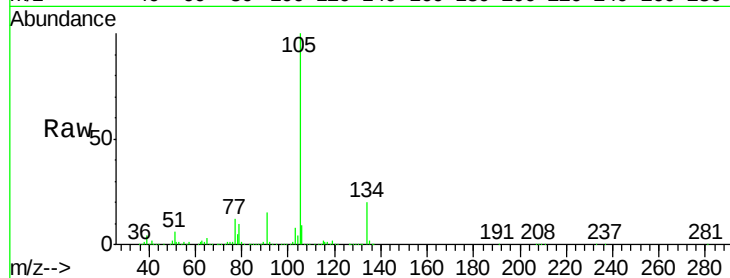
ClientSampleId :

Tot Ion:105 Resp: 923997

Ion Ratio Lower Upper

105 100

134 20.0 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.39

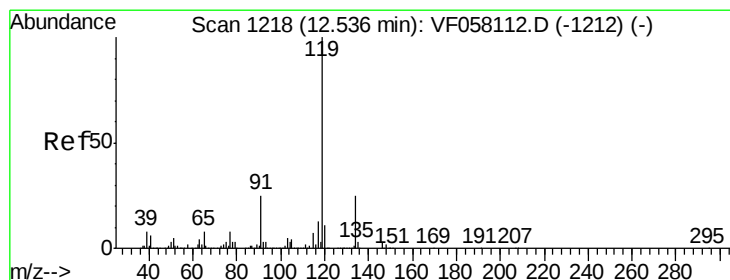
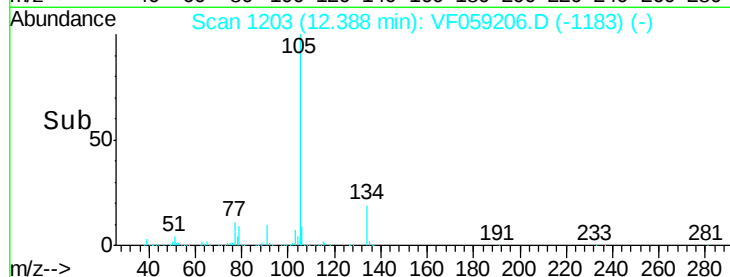
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 53.661 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

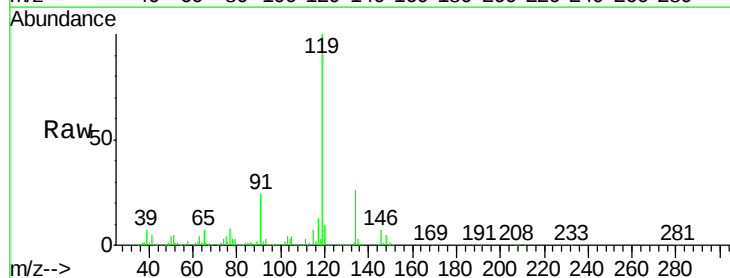
Tgt Ion:119 Resp: 817453

Ion Ratio Lower Upper

119 100

134 26.2 12.7 38.0

91 23.9 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

12.54

800000

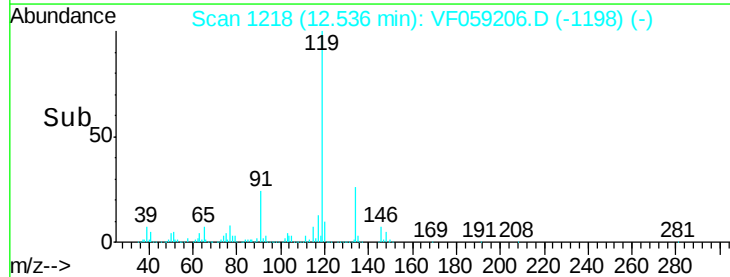
600000

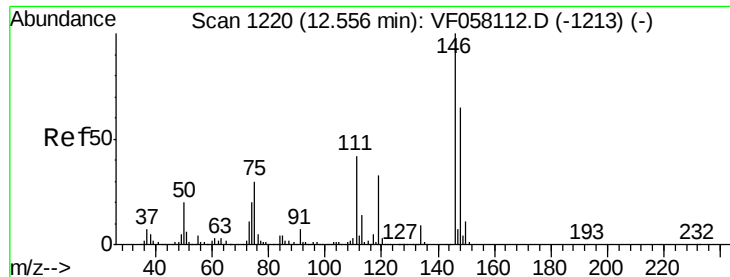
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 51.145 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

ClientSampleId :

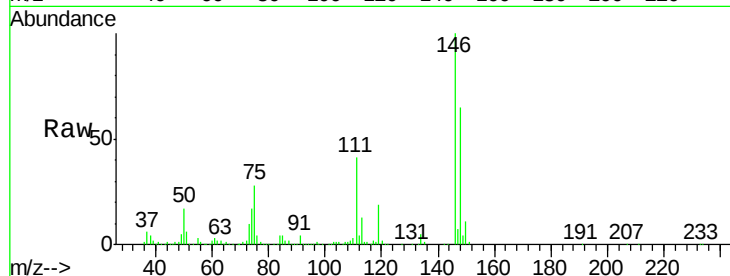
Tot Ion:146 Resp: 394706

Ion Ratio Lower Upper

146 100

111 40.8 20.8 62.5

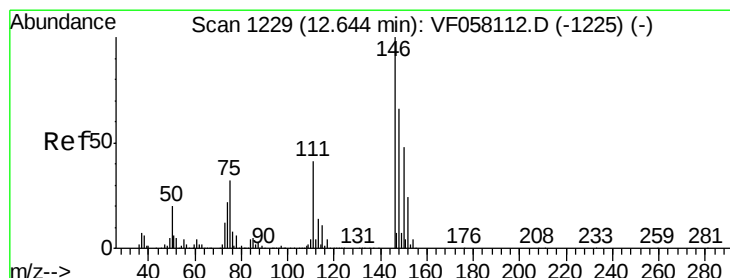
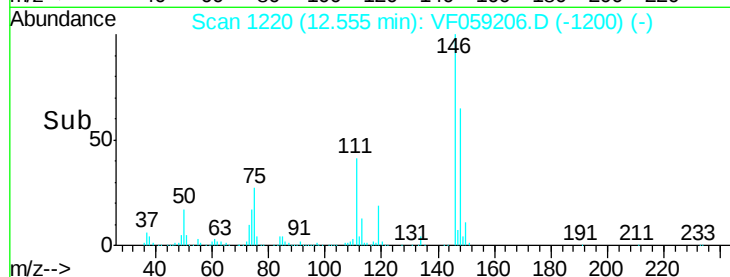
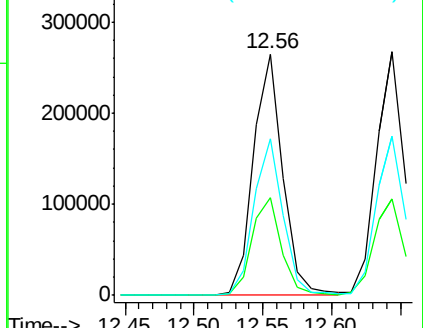
148 65.0 32.3 96.9



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: 52.449 ug/l

RT: 12.64 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

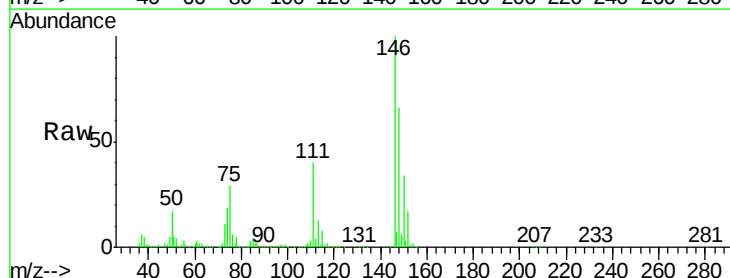
Tgt Ion:146 Resp: 390070

Ion Ratio Lower Upper

146 100

111 39.7 20.4 61.2

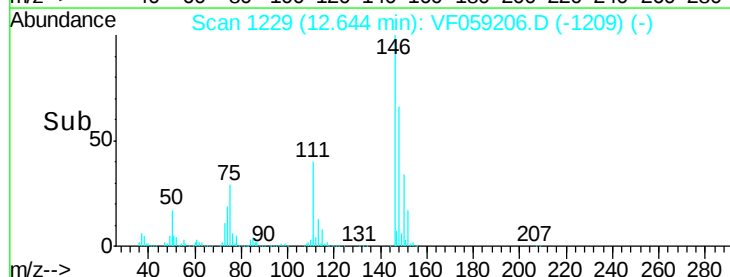
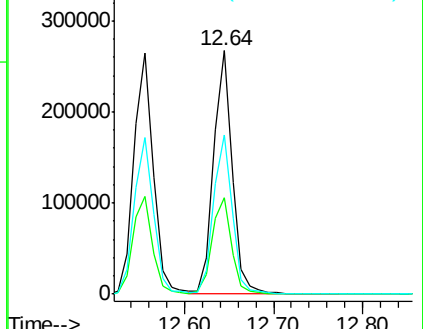
148 65.6 33.0 99.0

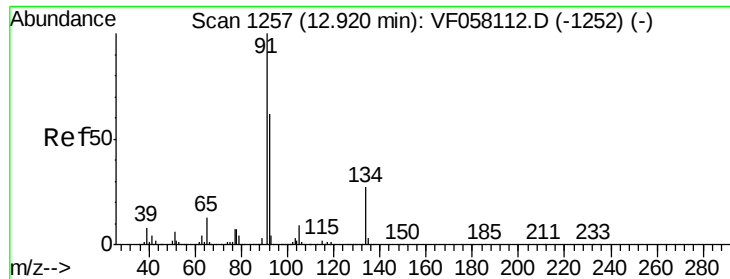


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 50.854 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

ClientSampled :

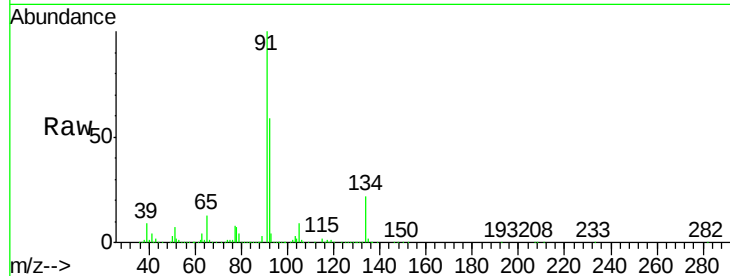
Tot Ion: 91 Resp: 801075

Ion Ratio Lower Upper

91 100

92 59.2 31.1 93.5

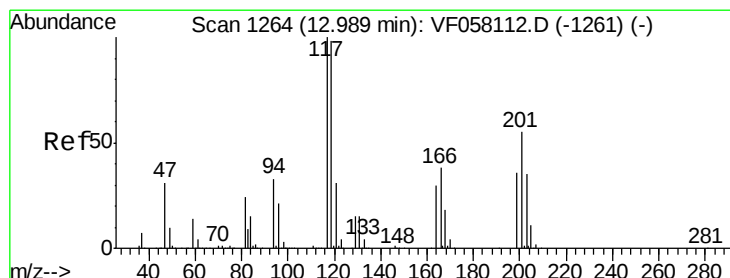
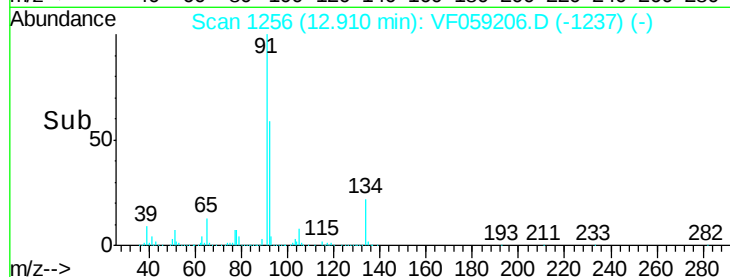
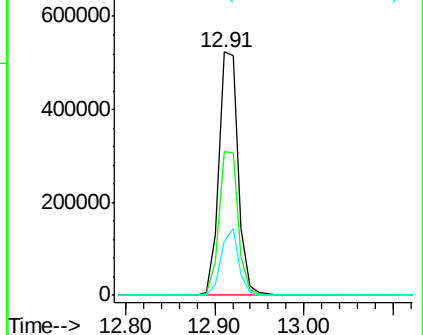
134 22.3 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 52.265 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VF059206.D

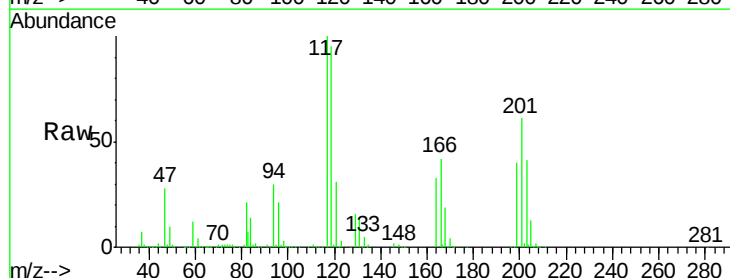
Acq: 20 Jun 2018 00:44

Tgt Ion: 117 Resp: 196072

Ion Ratio Lower Upper

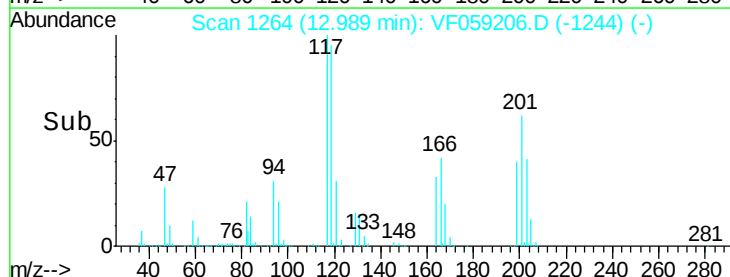
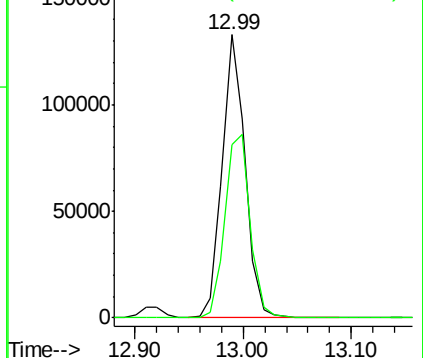
117 100

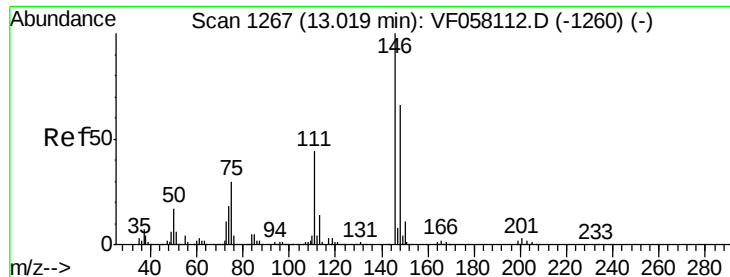
201 61.4 27.5 82.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 52.552 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

ClientSampleId :

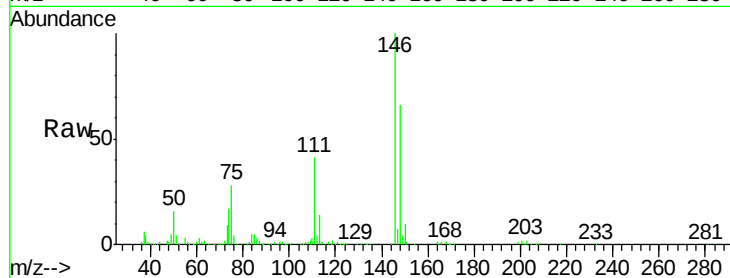
Tot Ion:146 Resp: 390705

Ion Ratio Lower Upper

146 100

111 40.6 22.0 66.0

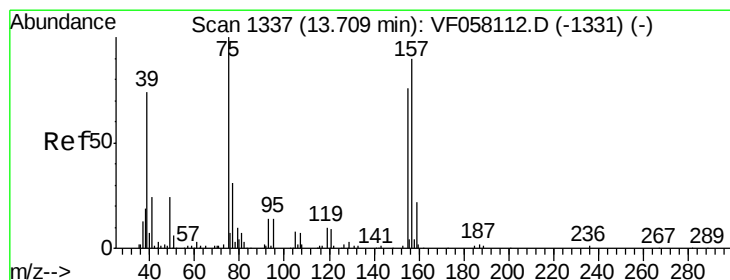
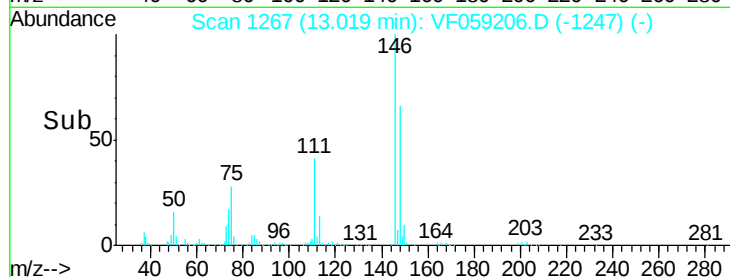
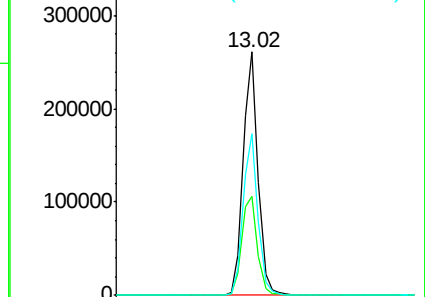
148 66.2 33.1 99.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 58.965 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

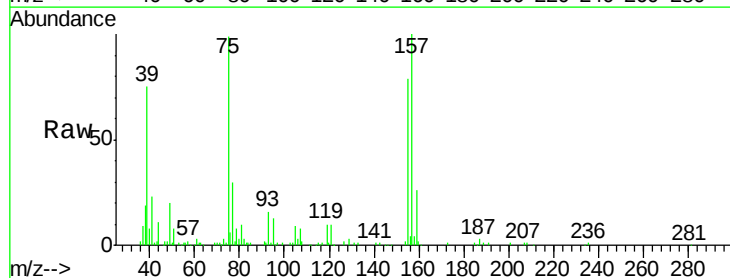
Tgt Ion: 75 Resp: 45544

Ion Ratio Lower Upper

75 100

155 80.1 38.0 114.0

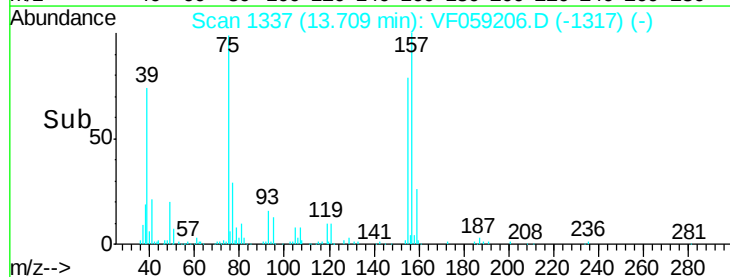
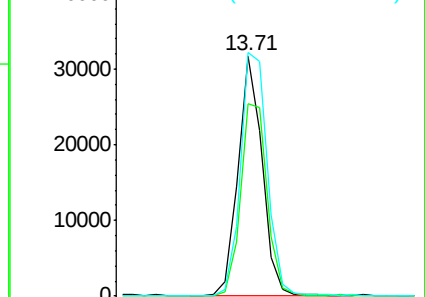
157 101.3 45.1 135.5

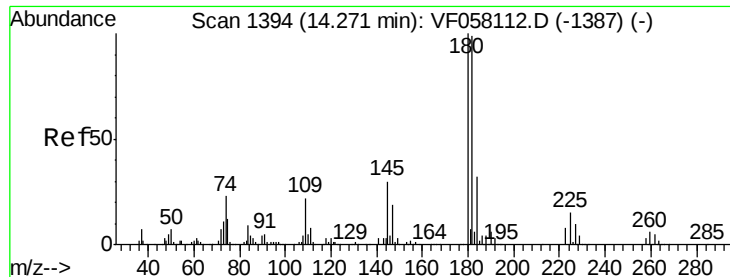


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

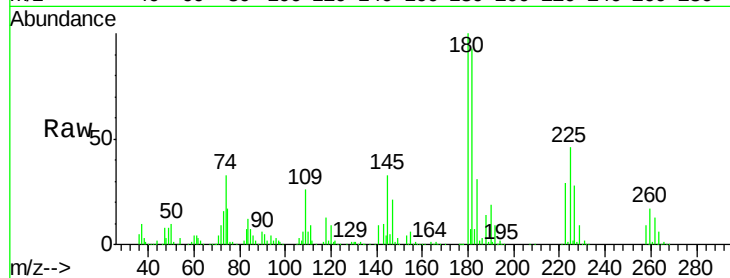




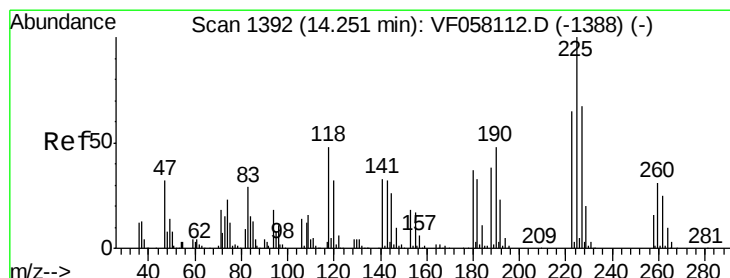
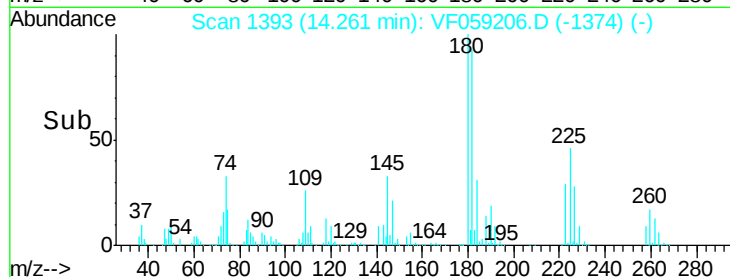
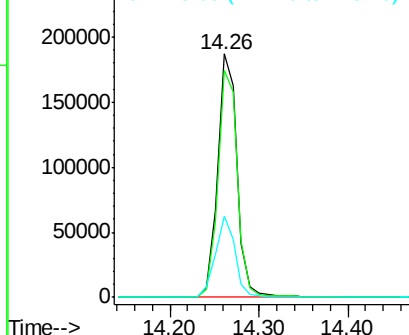
#93
 1,2,4-Trichlorobenzene
 Concen: 54.995 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059206.D
 Acq: 20 Jun 2018 00:44

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	49.3	147.9
145	33.5	14.9	44.9

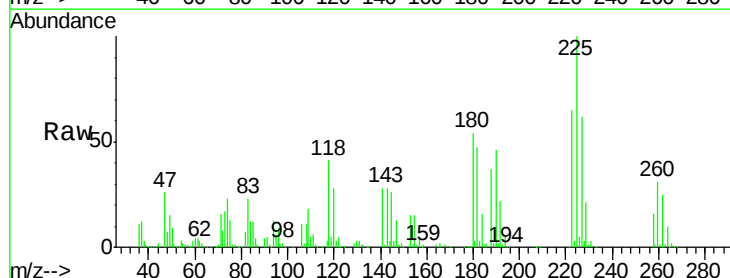


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

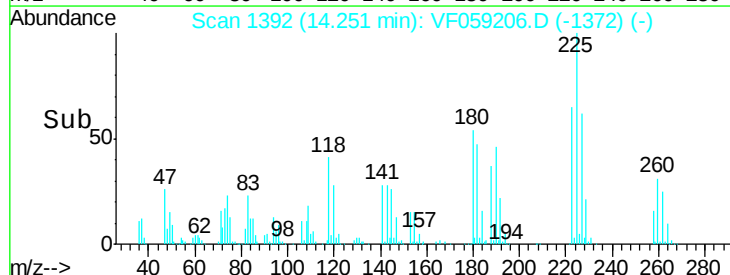
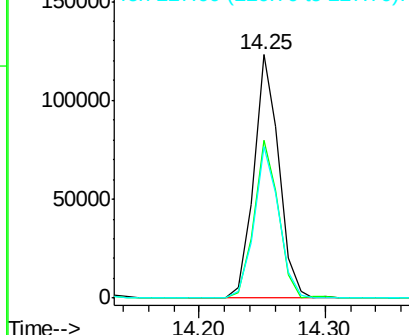


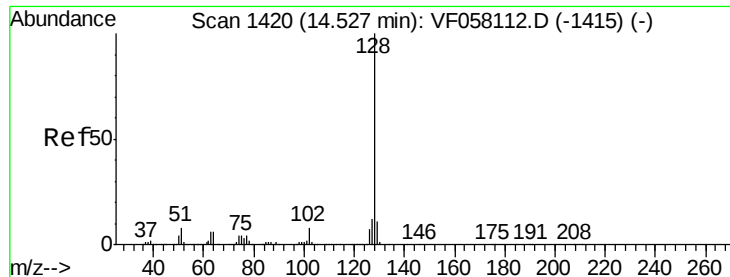
#94
 Hexachlorobutadiene
 Concen: 56.441 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF059206.D
 Acq: 20 Jun 2018 00:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	32.8	98.3
227	62.2	33.3	99.9



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

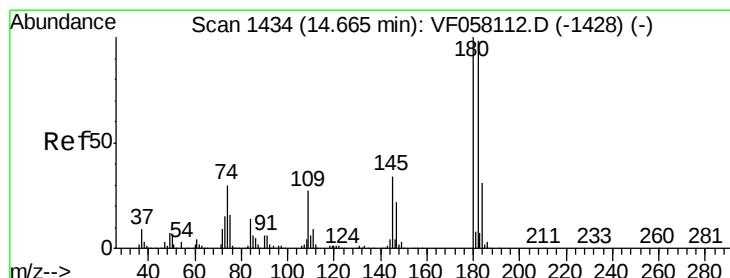
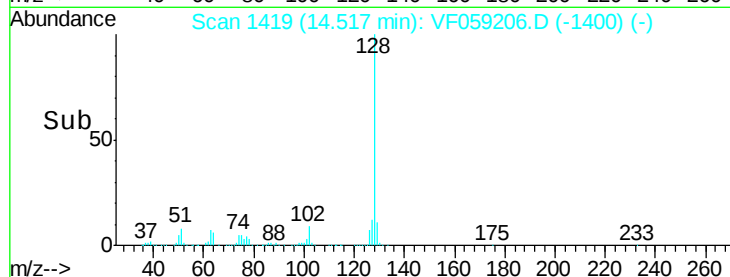
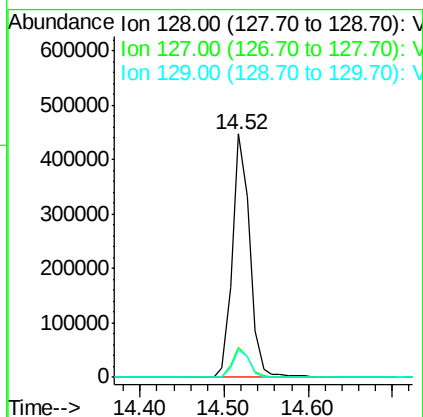
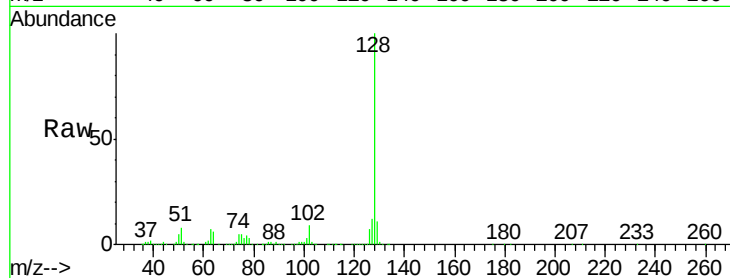




#95
Naphthalene
Concen: 57.753 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 641468
Ion Ratio Lower Upper
128 100
127 12.4 9.9 14.9
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 58.121 ug/l
RT: 14.66 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion:180 Resp: 279291
Ion Ratio Lower Upper
180 100
182 97.7 48.9 146.6
145 32.9 17.3 51.7

