

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059254.D
 Acq On : 21 Jun 2018 6:15
 Operator : VA/AP
 Sample : J3570-04
 Misc : 5.01µ/5mL/MSVOA-F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 21 08:04:38 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	5.04	168	193961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	311457	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	262736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	150423	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	147482	62.70	ug/l	0.00
Spiked Amount			Recovery	=	125.40%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount			Recovery	=	0.00%	
50) Toluene-d8	7.71	98	312483	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
62) 4-Bromofluorobenzene	11.51	95	155733	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	

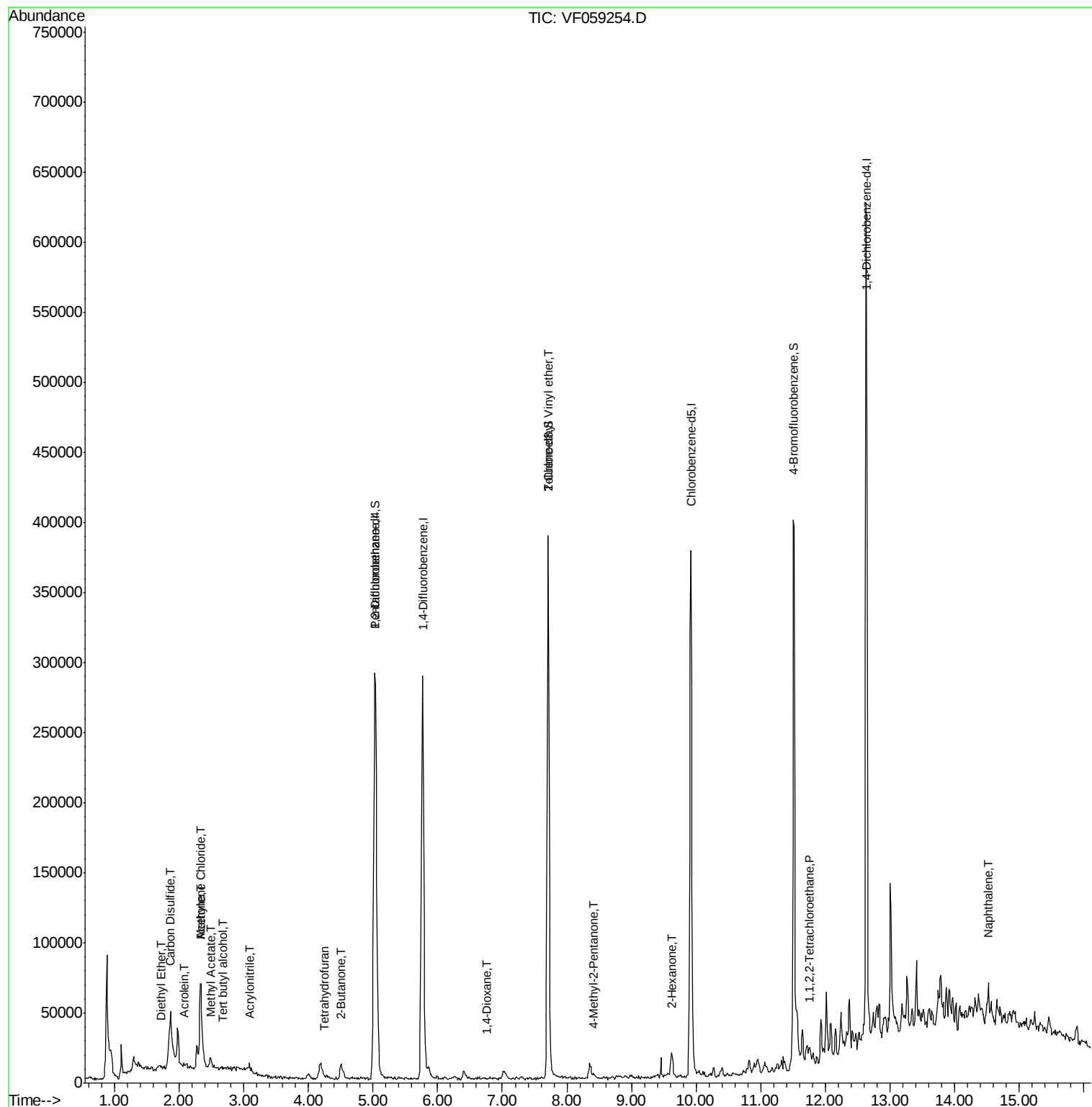
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.71	74	987	1.645	ug/l	96
11) Tert butyl alcohol	2.66	59	571	3.788	ug/l #	25
13) Acrolein	2.08	56	369	2.829	ug/l #	77
15) Acrylonitrile	3.09	53	605	2.021	ug/l #	10
16) Acetone	2.34	43	102865	183.149	ug/l #	88
17) Carbon Disulfide	1.87	76	118857	33.123	ug/l	98
18) Methyl Acetate	2.51	43	3475	3.599	ug/l #	66
20) Methylene Chloride	2.32	84	5393	4.010	ug/l	91
25) 2-Butanone	4.51	43	20733	23.811	ug/l #	87
29) Tetrahydrofuran	4.25	42	424	1.105	ug/l #	50
49) 1,4-Dioxane	6.76	88	63	18.087	ug/l #	1
51) 4-Methyl-2-Pentanone	8.41	43	2295	1.340	ug/l #	84
58) 2-Chloroethyl Vinyl ether	7.70	63	343	2.081	ug/l	100
59) 2-Hexanone	9.63	43	9747	7.197	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.75	83	3244	1.314	ug/l #	51
89) n-Butylbenzene	12.93	91	1175	Below Cal	#	68
95) Naphthalene	14.52	128	7468	1.072	ug/l #	91

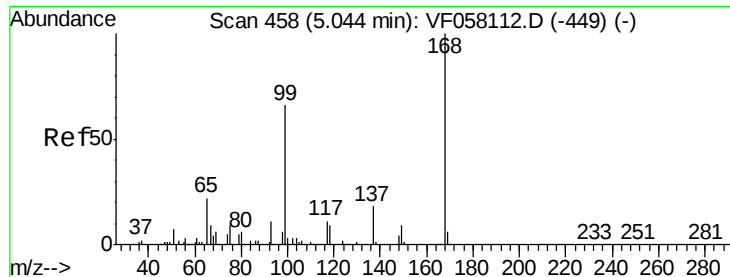
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062018\
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Quant Time: Jun 21 08:04:38 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.00 min

Lab File: VF059254.D

Acq: 21 Jun 2018 6:15

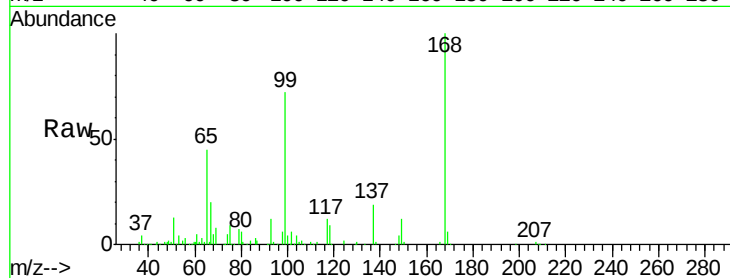
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 193961

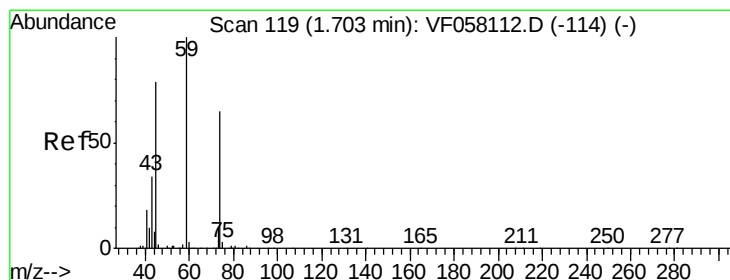
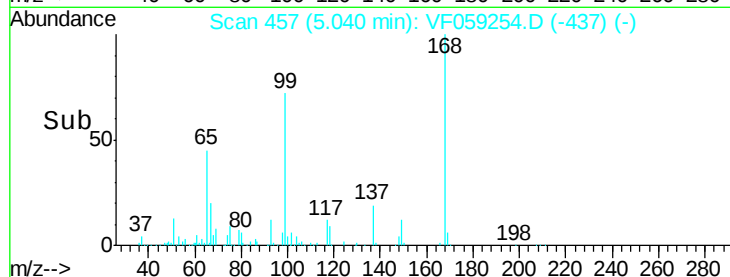
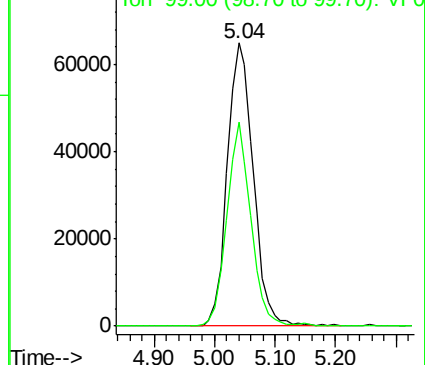
Ion Ratio Lower Upper

168 100

99 72.1 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): VF0



#8

Diethyl Ether

Concen: 1.645 ug/l

RT: 1.71 min Scan# 119

Delta R.T. 0.00 min

Lab File: VF059254.D

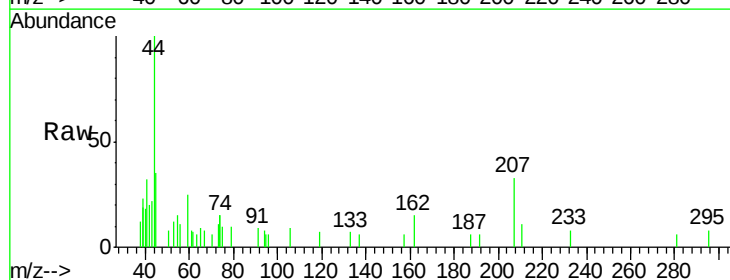
Acq: 21 Jun 2018 6:15

Tgt Ion: 74 Resp: 987

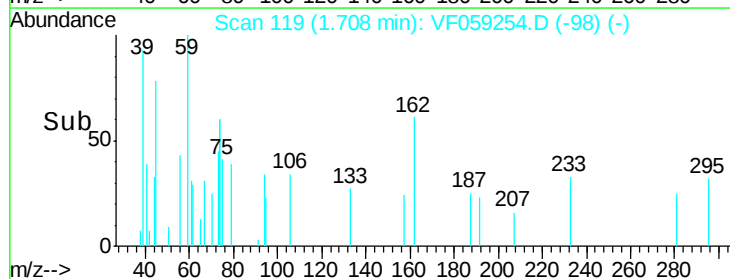
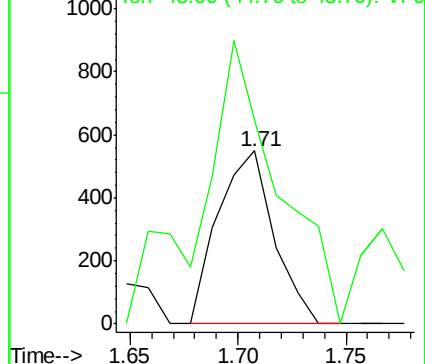
Ion Ratio Lower Upper

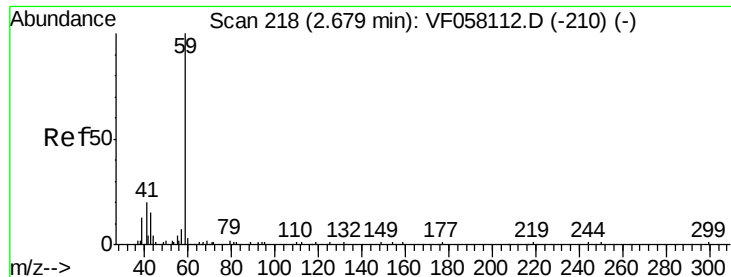
74 100

45 117.9 61.5 184.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

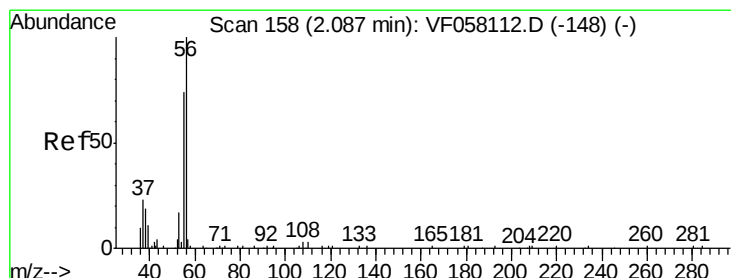
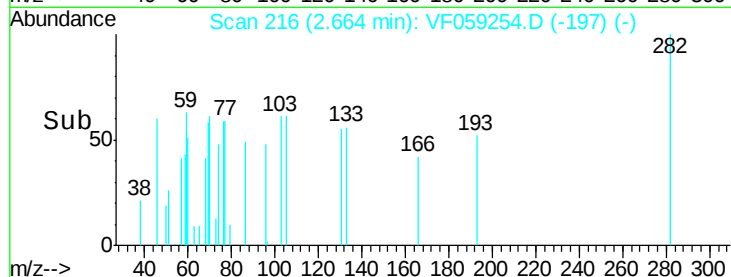
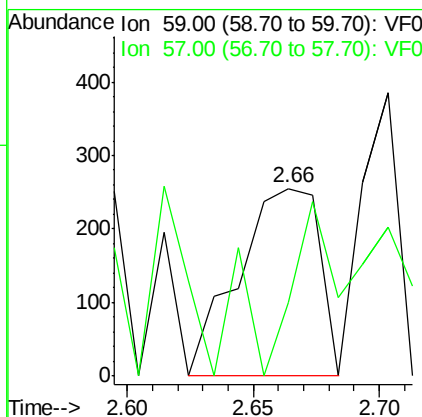
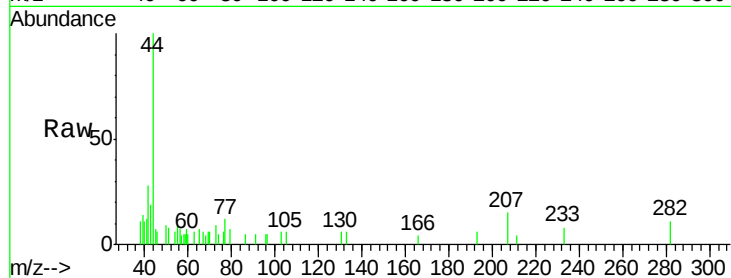




#11
Tert butyl alcohol
Concen: 3.788 ug/l
RT: 2.66 min Scan# 216
Delta R.T. -0.01 min
Lab File: VF059254.D
Acq: 21 Jun 2018 6:15

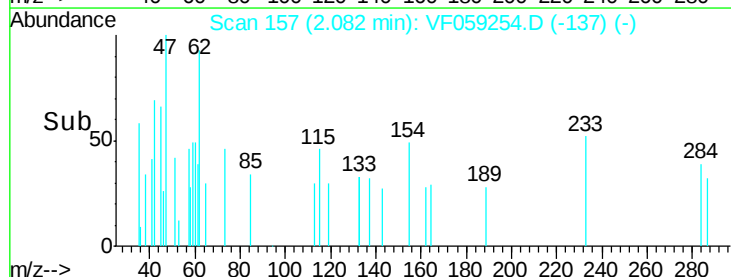
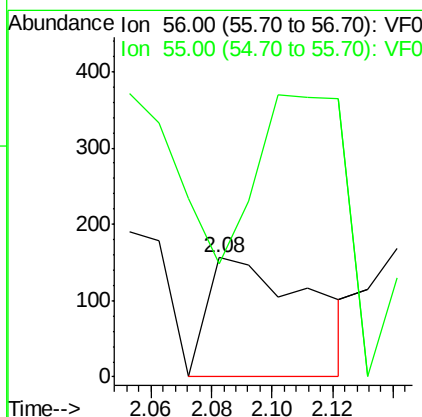
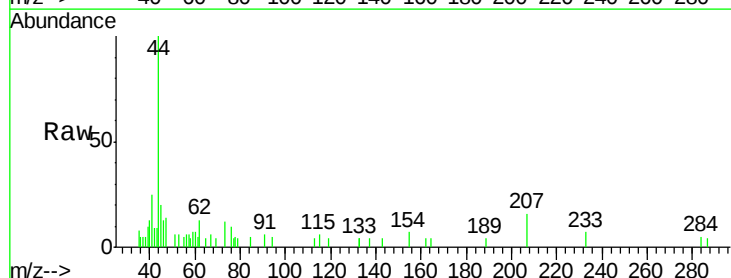
Instrument :
MSVOA_F
ClientSampled :

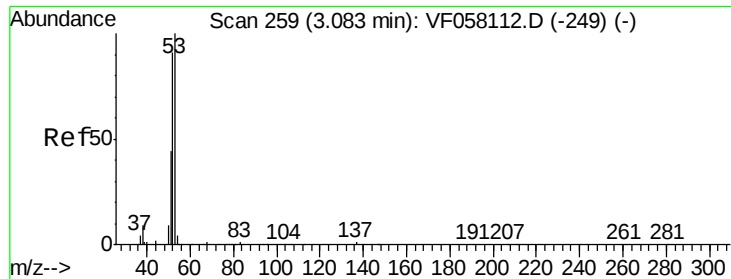
Tot Ion: 59 Resp: 571
Ion Ratio Lower Upper
59 100
57 39.2 8.7 13.1#



#13
Acrolein
Concen: 2.829 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF059254.D
Acq: 21 Jun 2018 6:15

Tgt Ion: 56 Resp: 369
Ion Ratio Lower Upper
56 100
55 94.9 60.0 90.0#





#15

Acrylonitrile

Concen: 2.021 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059254.D

Acq: 21 Jun 2018 6:15

Instrument :
MSVOA_F
ClientSampled :

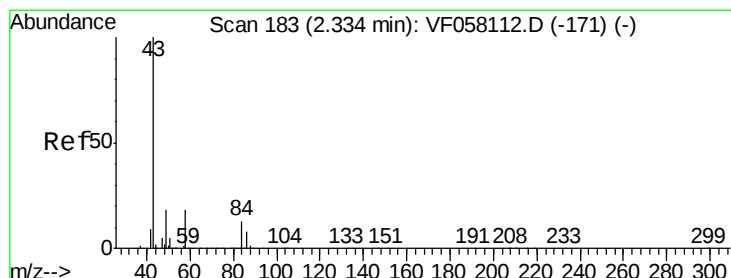
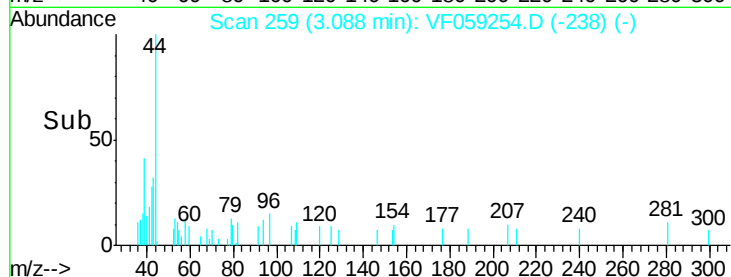
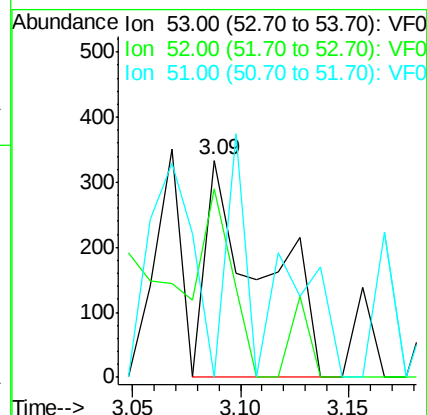
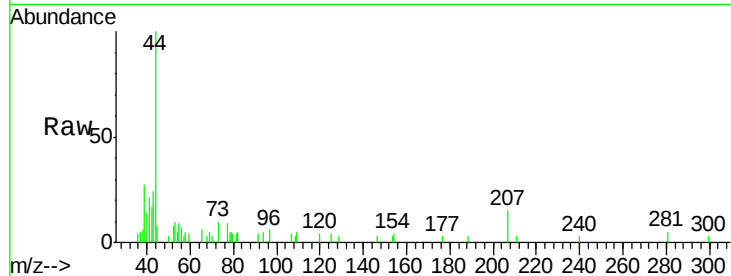
Tot Ion: 53 Resp: 605

Ion Ratio Lower Upper

53 100

52 186.8 73.2 109.8#

51 0.0 35.6 53.4#



#16

Acetone

Concen: 183.149 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059254.D

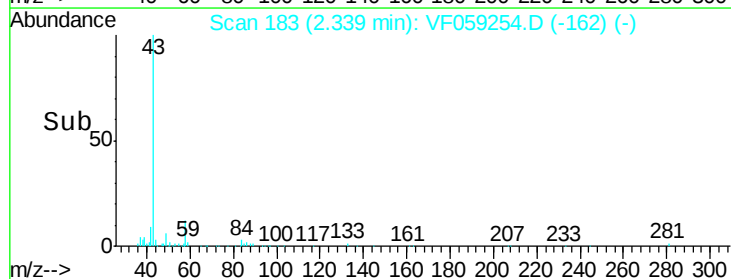
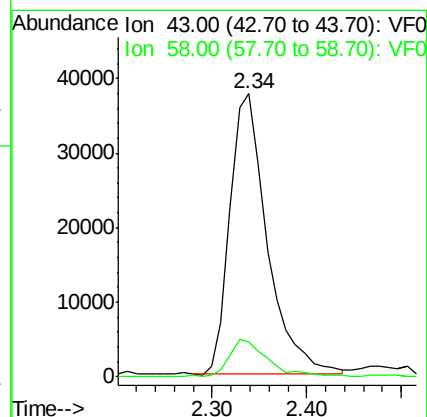
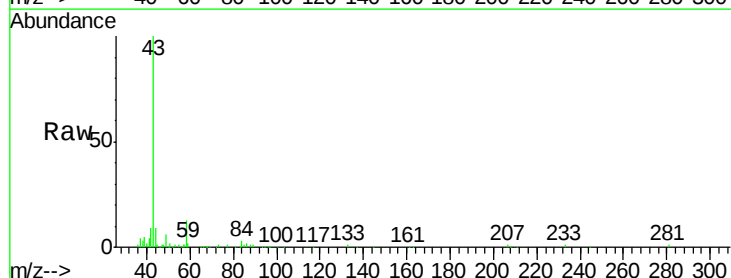
Acq: 21 Jun 2018 6:15

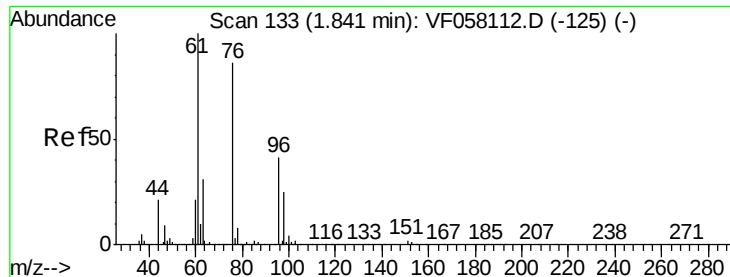
Tgt Ion: 43 Resp: 102865

Ion Ratio Lower Upper

43 100

58 12.6 14.4 21.6#

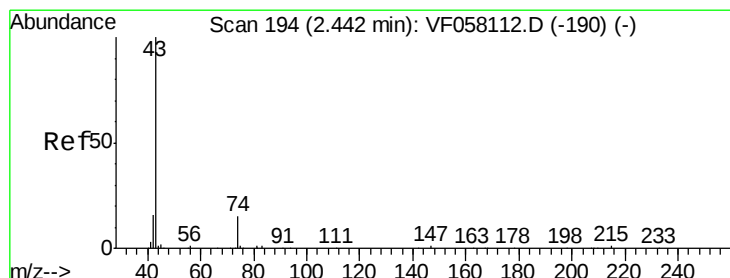
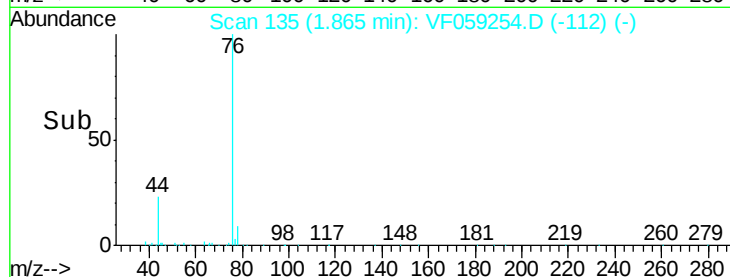
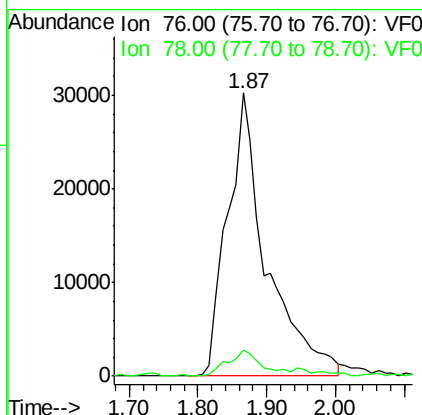
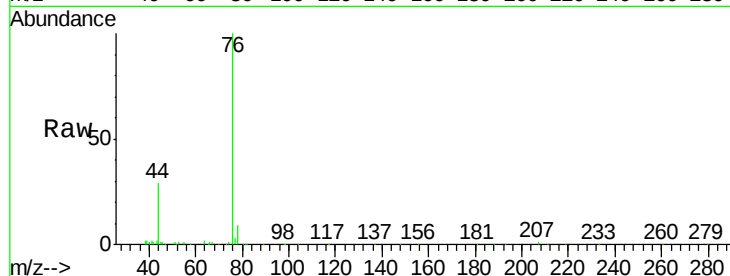




#17
Carbon Disulfide
Concen: 33.123 ug/l
RT: 1.87 min Scan# 135
Delta R.T. 0.02 min
Lab File: VF059254.D
Acq: 21 Jun 2018 6:15

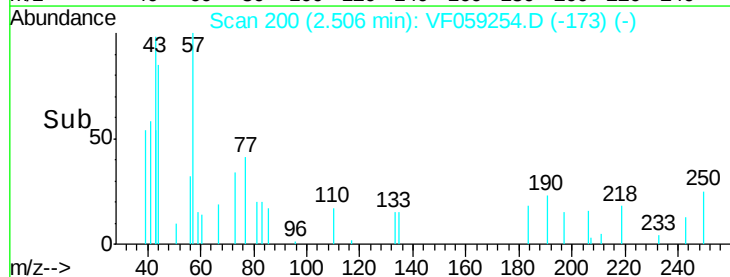
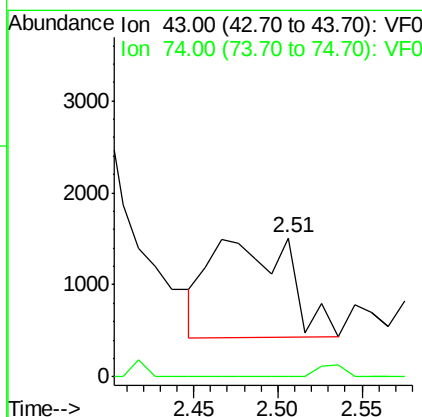
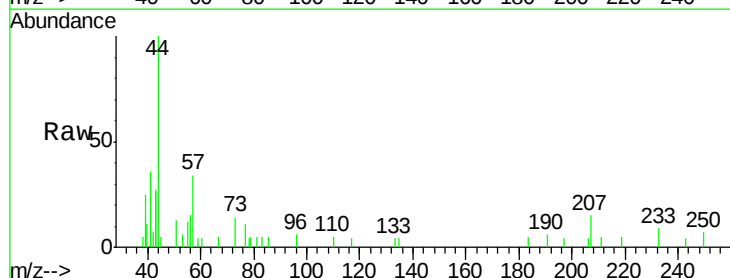
Instrument :
MSVOA_F
ClientSampleId :

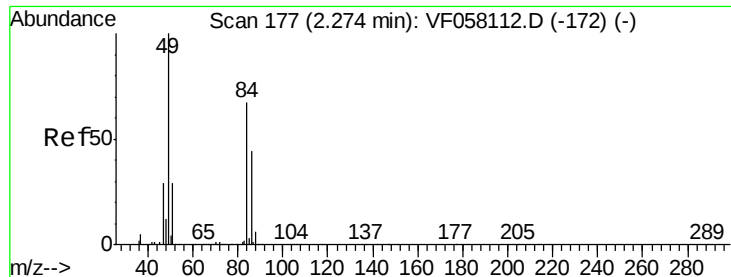
Tot Ion: 76 Resp: 118857
Ion Ratio Lower Upper
76 100
78 9.2 7.8 11.8



#18
Methyl Acetate
Concen: 3.599 ug/l
RT: 2.51 min Scan# 200
Delta R.T. 0.06 min
Lab File: VF059254.D
Acq: 21 Jun 2018 6:15

Tgt Ion: 43 Resp: 3475
Ion Ratio Lower Upper
43 100
74 0.0 10.9 16.3#

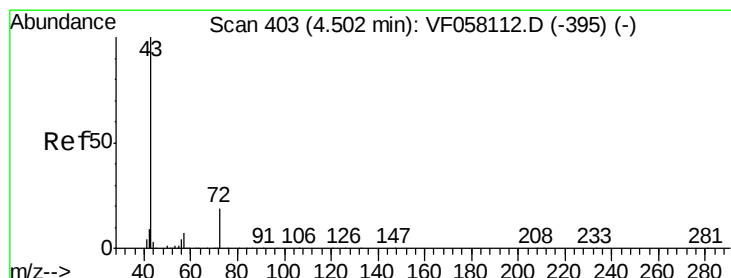
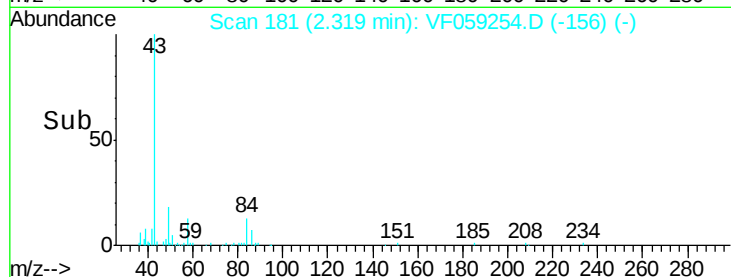
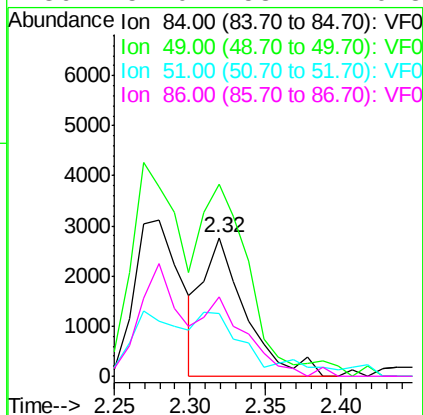
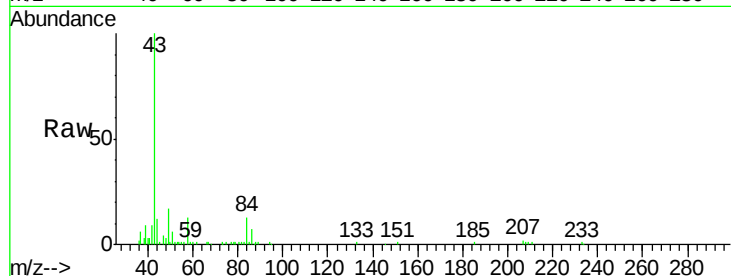




#20
Methvlene Chloride
Concen: 4.010 ug/l
RT: 2.32 min Scan# 181
Delta R.T. 0.04 min
Lab File: VF059254.D
Acq: 21 Jun 2018 6:15

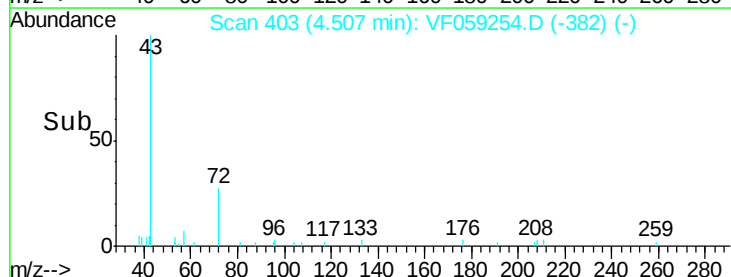
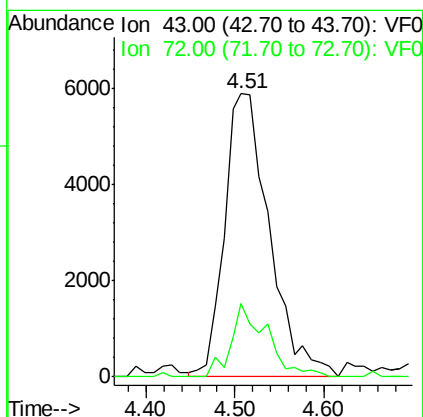
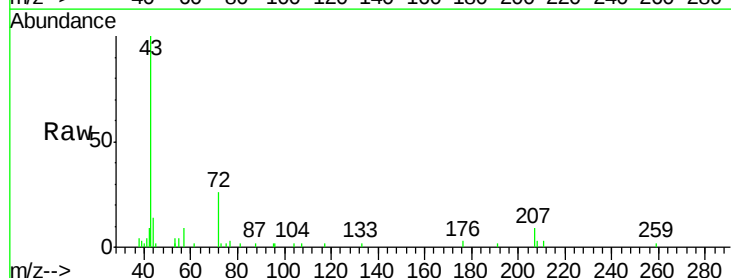
Instrument :
MSVOA_F
ClientSampleId :

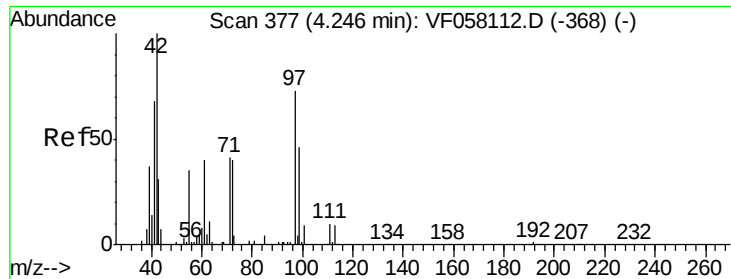
Tot Ion:	84	Resp:	5393
Ion	Ratio	Lower	Upper
84	100		
49	138.7	121.0	181.4
51	45.1	35.8	53.6
86	57.0	53.2	79.8



#25
2-Butanone
Concen: 23.811 ug/l
RT: 4.51 min Scan# 403
Delta R.T. 0.00 min
Lab File: VF059254.D
Acq: 21 Jun 2018 6:15

Tgt Ion:	43	Resp:	20733
Ion	Ratio	Lower	Upper
43	100		
72	26.1	16.1	24.1#

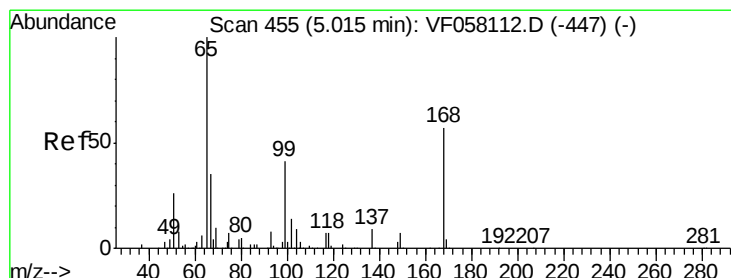
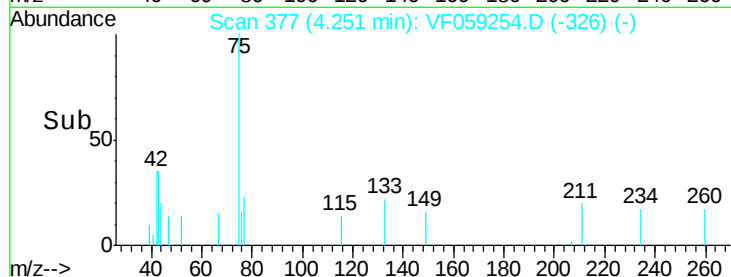
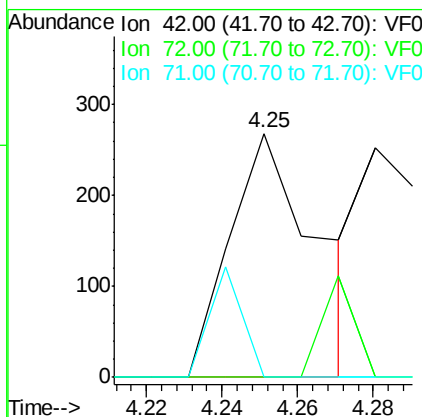
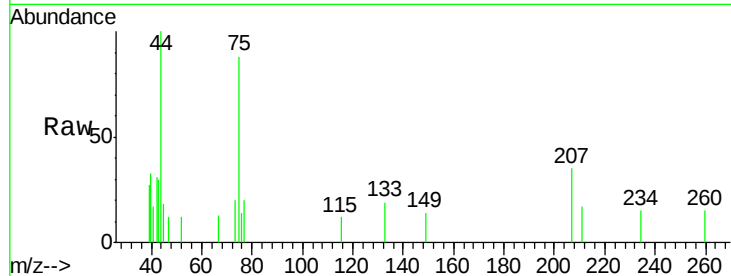




#29
Tetrahydrofuran
Concen: 1.105 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.00 min
Lab File: VF059254.D
Acq: 21 Jun 2018 6:15

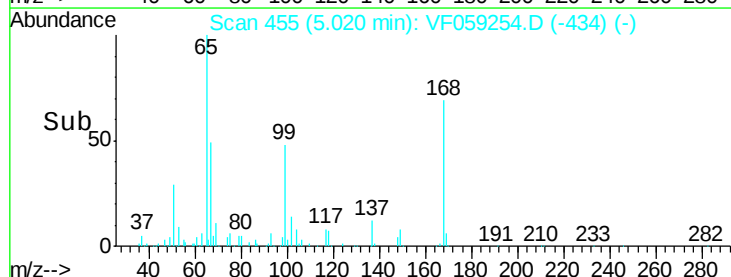
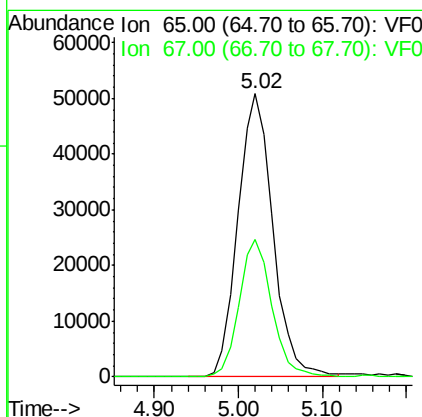
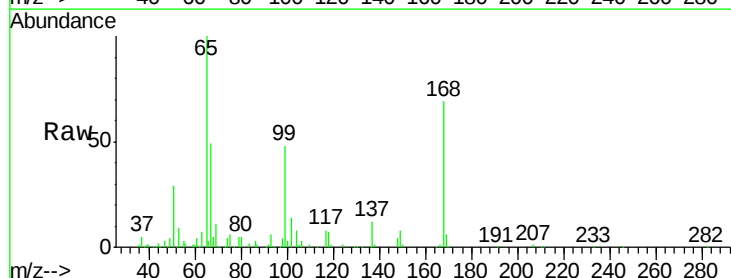
Instrument :
MSVOA_F
ClientSampleId :

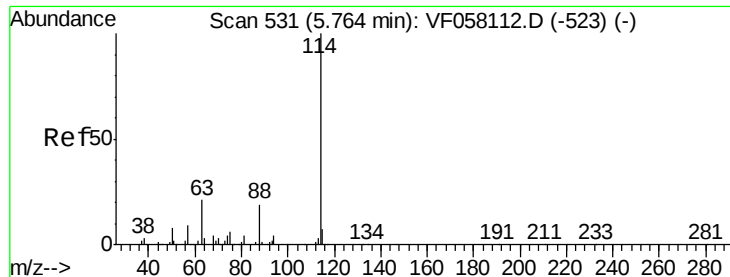
Tot Ion: 42 Resp: 424
Ion Ratio Lower Upper
42 100
72 0.0 30.5 45.7#
71 17.0 31.5 47.3#



#33
1,2-Dichloroethane-d4
Concen: 62.696 ug/l
RT: 5.02 min Scan# 455
Delta R.T. 0.00 min
Lab File: VF059254.D
Acq: 21 Jun 2018 6:15

Tgt Ion: 65 Resp: 147482
Ion Ratio Lower Upper
65 100
67 48.7 0.0 97.0

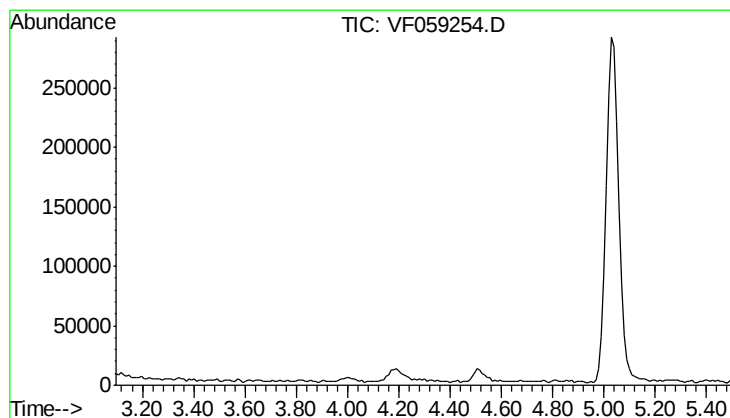
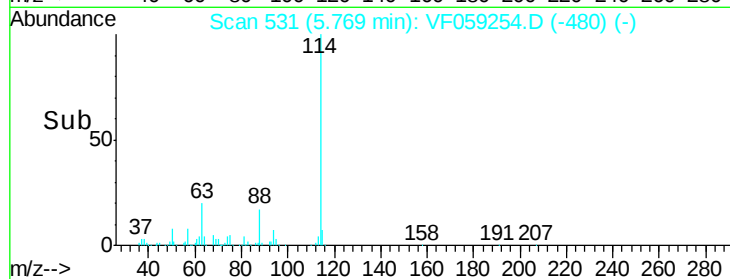
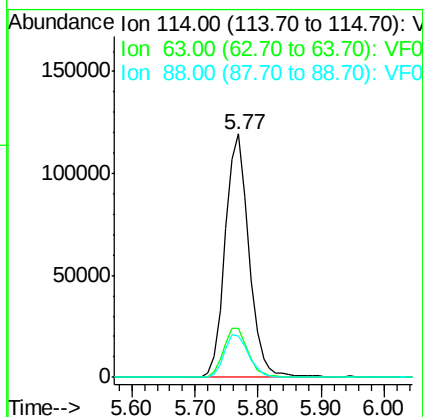
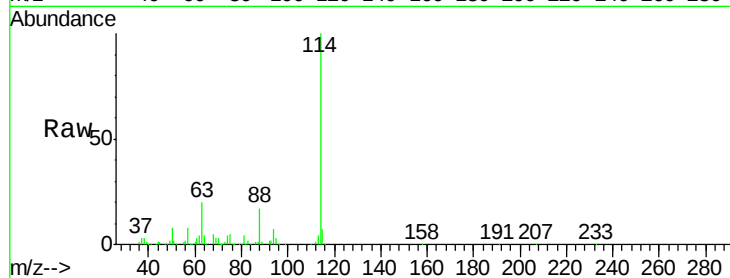




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.77 min Scan# 531
Delta R.T. 0.00 min
Lab File: VF059254.D
Acq: 21 Jun 2018 6:15

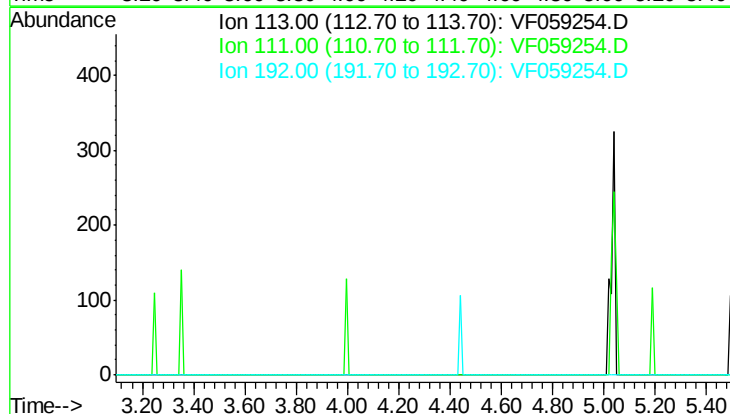
Instrument :
MSVOA_F
ClientSampleId :

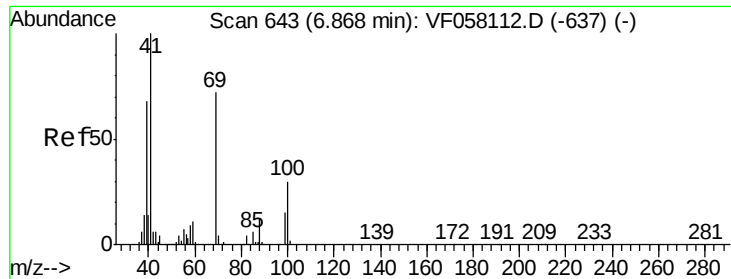
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	41.6
88	16.9	0.0	38.8



#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 4.30 min
Lab File: VF059254.D
Acq: 21 Jun 2018 6:15

Tgt Ion	Sig	Exp Ratio
113	100	
111	101.6	
192	15.9	

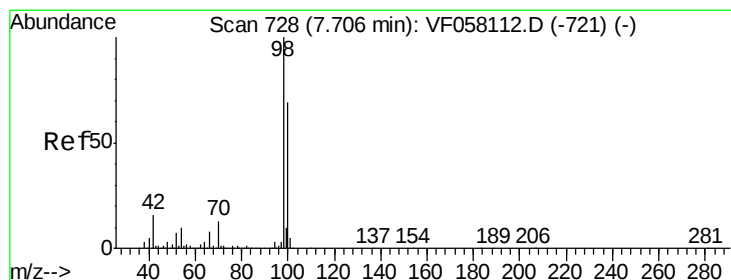
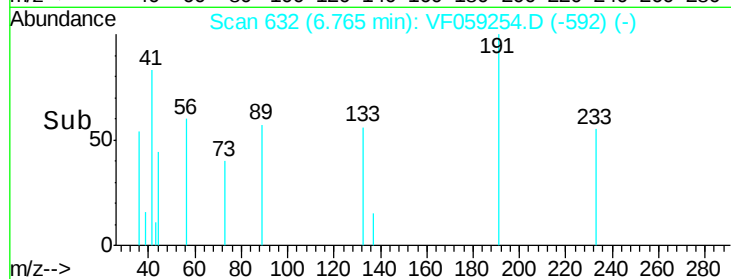
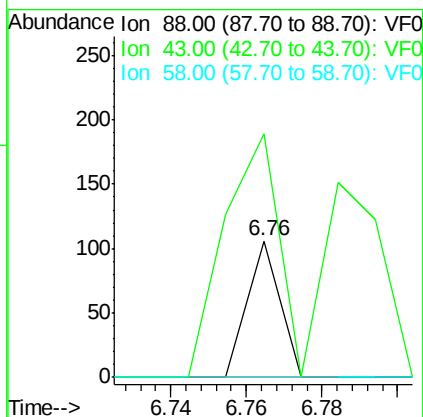
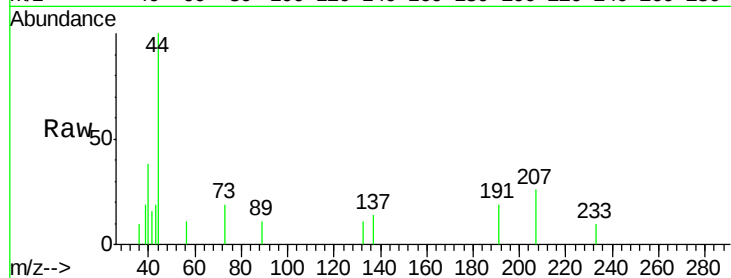




#49
1,4-Dioxane
Concen: 18.087 ug/l
RT: 6.76 min Scan# 632
Delta R.T. -0.10 min
Lab File: VF059254.D
Acq: 21 Jun 2018 6:15

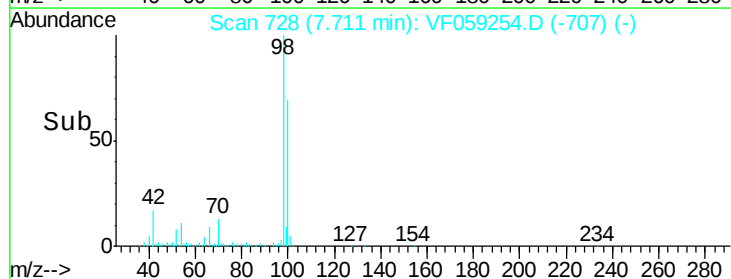
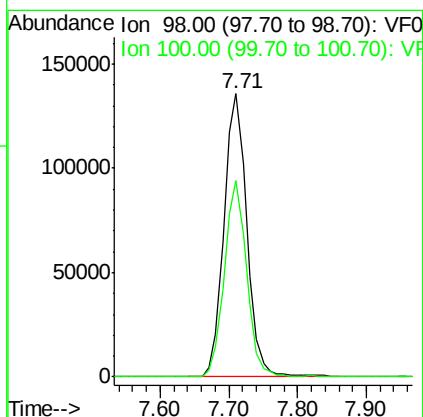
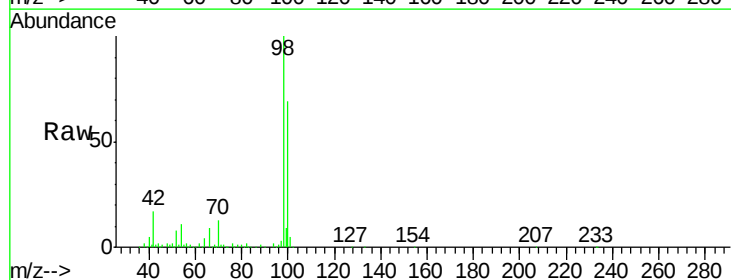
Instrument :
MSVOA_F
ClientSampleId :

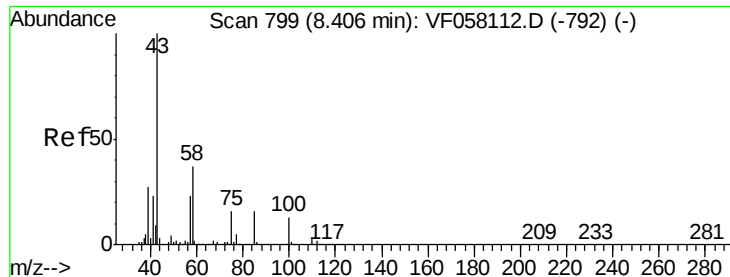
Tot Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 178.3 47.8 71.8#
58 0.0 59.4 89.0#



#50
Toluene-d8
Concen: 48.671 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059254.D
Acq: 21 Jun 2018 6:15

Tgt Ion: 98 Resp: 312483
Ion Ratio Lower Upper
98 100
100 69.4 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 1.340 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059254.D

Acq: 21 Jun 2018 6:15

Instrument :

MSVOA_F

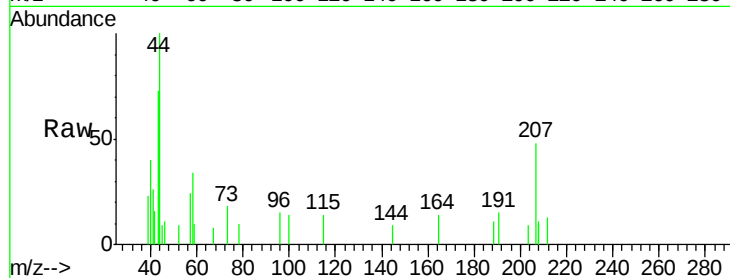
ClientSampleId :

Tot Ion: 43 Resp: 2295

Ion Ratio Lower Upper

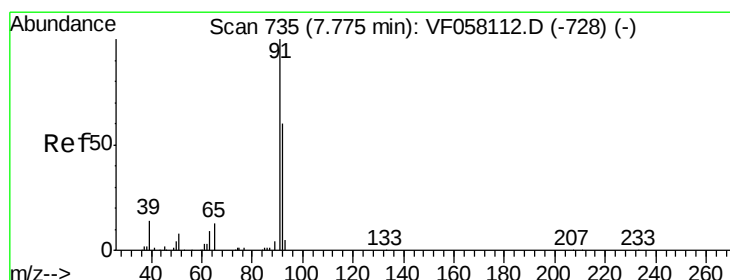
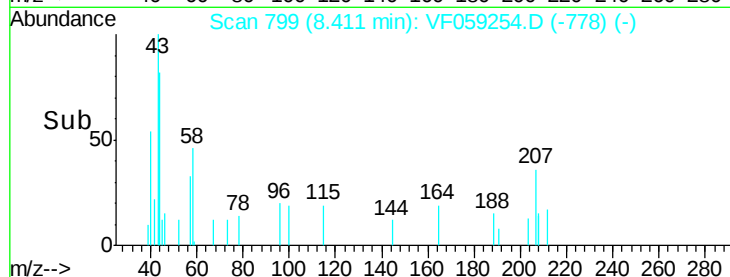
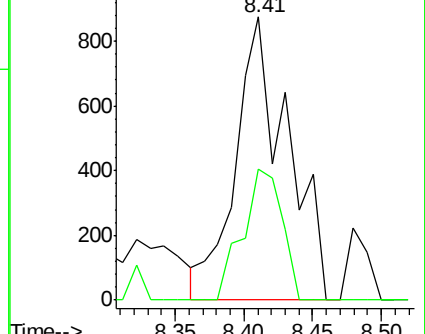
43 100

58 46.5 29.4 44.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 2.081 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.07 min

Lab File: VF059254.D

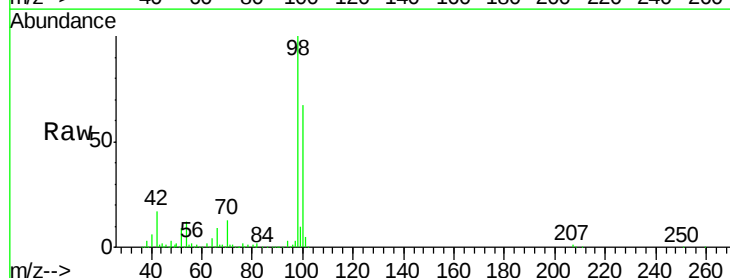
Acq: 21 Jun 2018 6:15

Tgt Ion: 63 Resp: 343

Ion Ratio Lower Upper

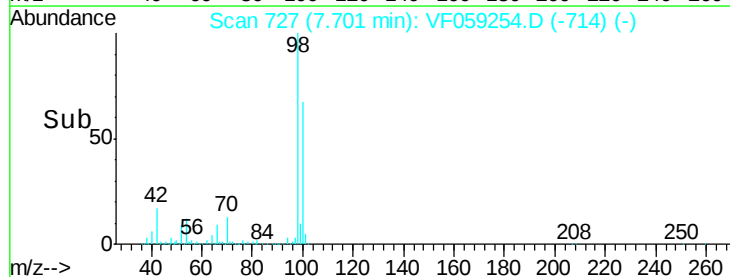
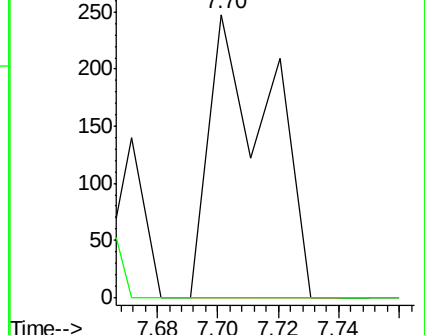
63 100

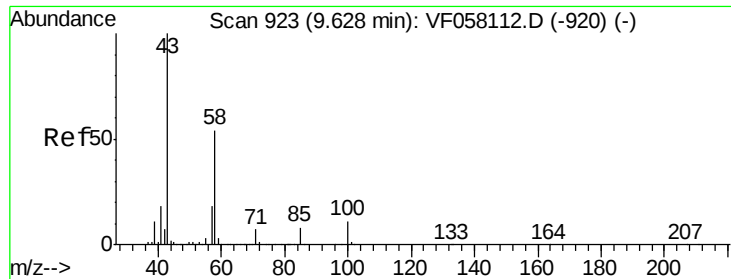
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

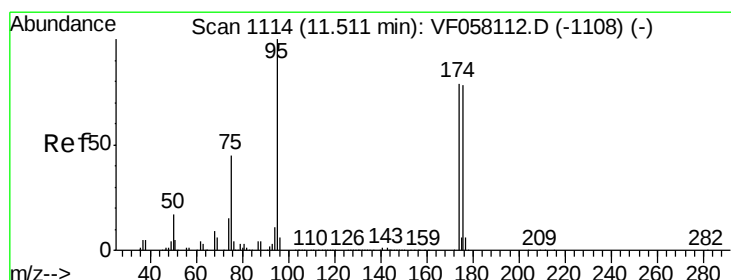
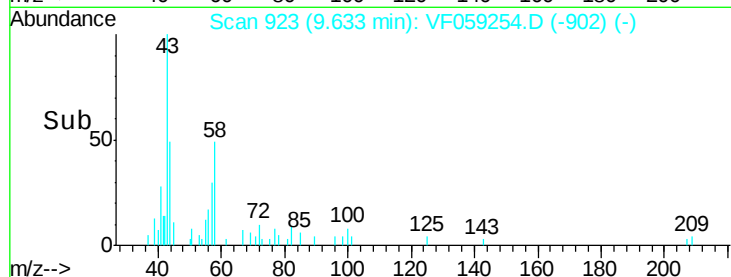
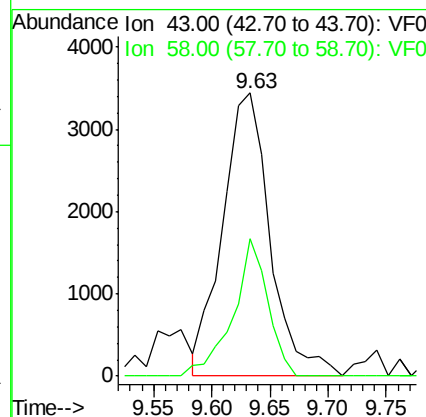
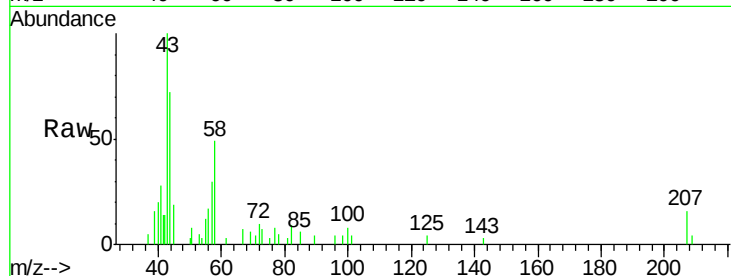




#59
2-Hexanone
Concen: 7.197 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059254.D
Acq: 21 Jun 2018 6:15

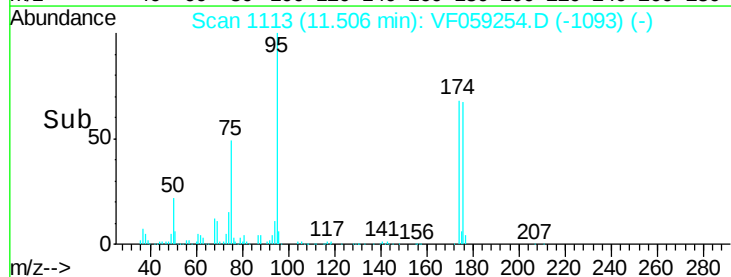
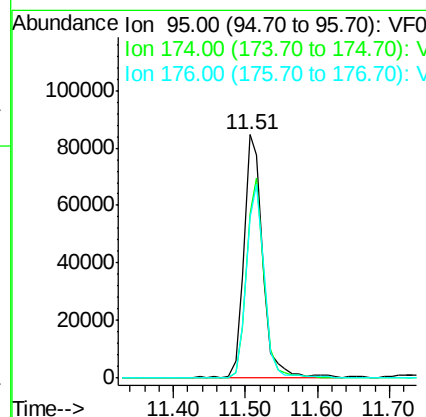
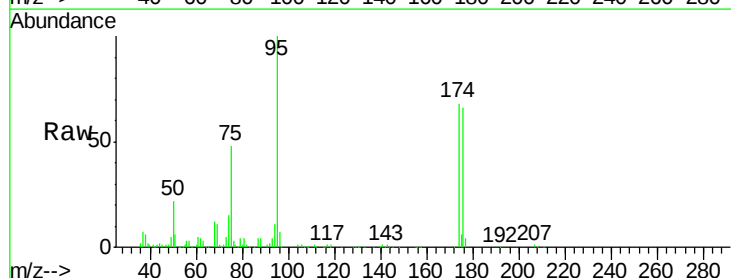
Instrument :
MSVOA_F
ClientSampleId :

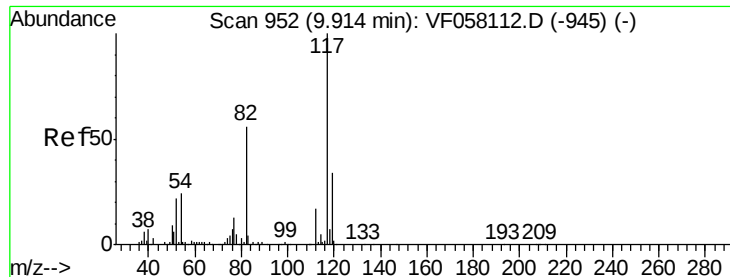
Tot Ion: 43 Resp: 9747
Ion Ratio Lower Upper
43 100
58 48.6 26.3 78.8



#62
4-Bromofluorobenzene
Concen: 47.292 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF059254.D
Acq: 21 Jun 2018 6:15

Tgt Ion: 95 Resp: 155733
Ion Ratio Lower Upper
95 100
174 67.7 0.0 157.8
176 66.1 0.0 155.8

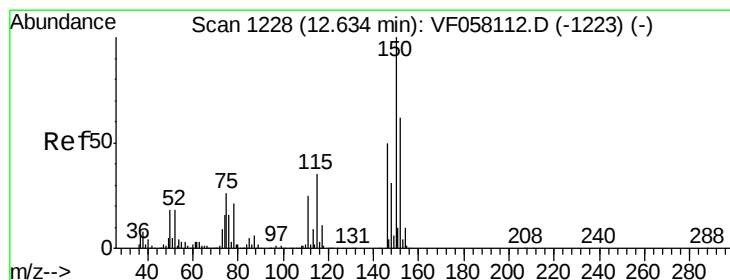
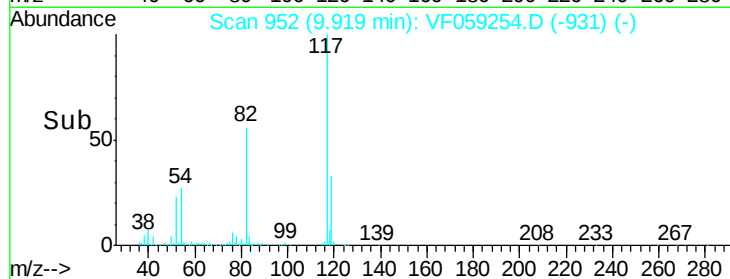
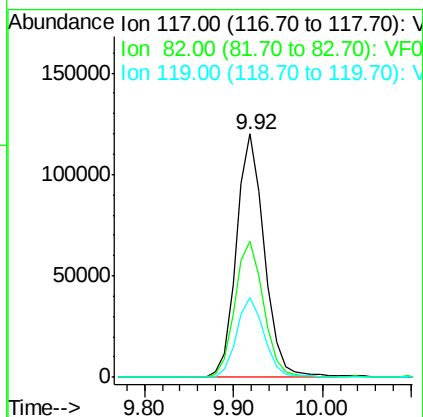
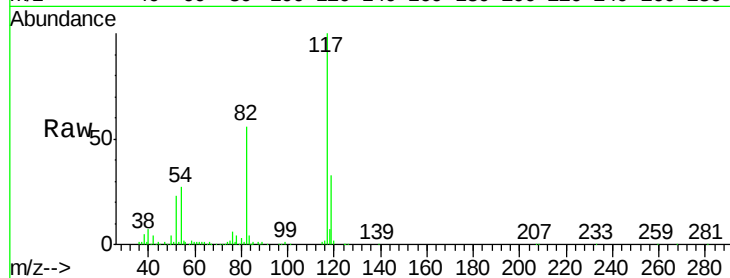




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059254.D
Acq: 21 Jun 2018 6:15

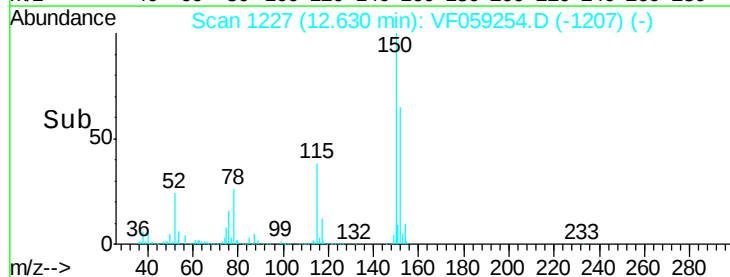
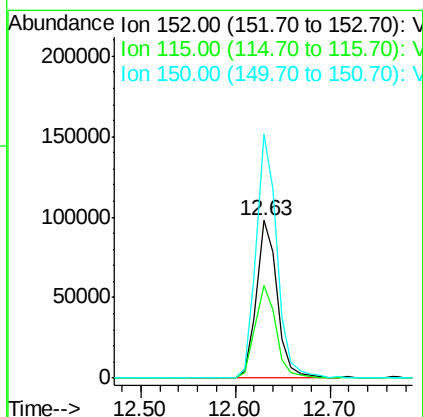
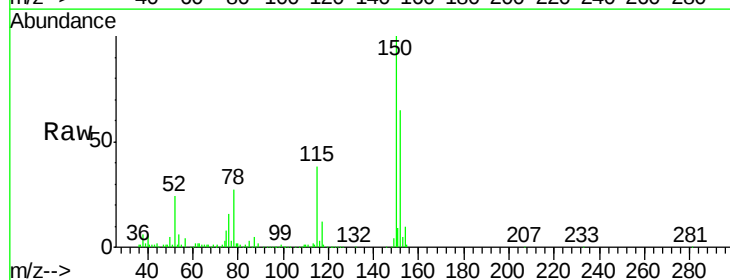
Instrument :
MSVOA_F
ClientSampleId :

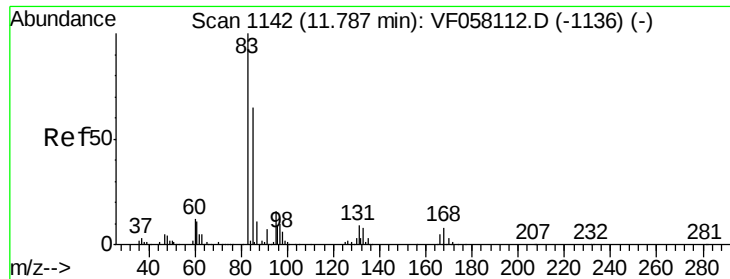
Tot Ion:117 Resp: 262736
Ion Ratio Lower Upper
117 100
82 55.7 45.2 67.8
119 32.7 27.5 41.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059254.D
Acq: 21 Jun 2018 6:15

Tgt Ion:152 Resp: 150423
Ion Ratio Lower Upper
152 100
115 59.1 28.5 85.5
150 154.6 0.0 323.8





#75

1,1,2,2-Tetrachloroethane

Concen: 1.314 ug/l

RT: 11.75 min Scan# 1138

Delta R.T. -0.03 min

Lab File: VF059254.D

Acq: 21 Jun 2018 6:15

Instrument :

MSVOA_F

ClientSampleId :

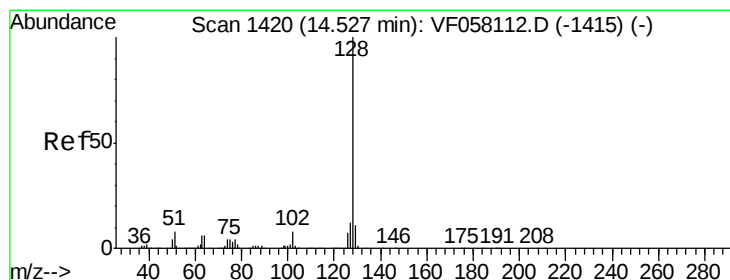
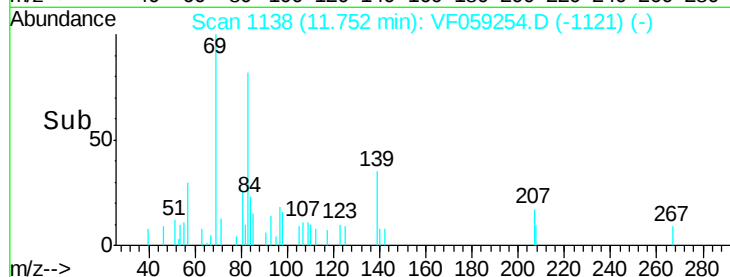
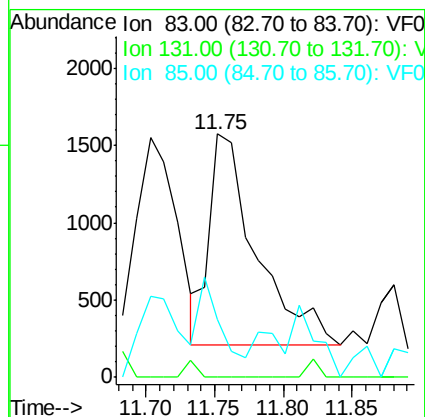
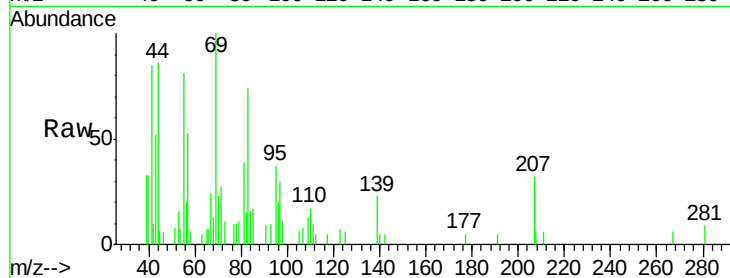
Tot Ion: 83 Resp: 3244

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.7#

85 23.7 32.8 98.3#



#95

Naphthalene

Concen: 1.072 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VF059254.D

Acq: 21 Jun 2018 6:15

Tgt Ion:128 Resp: 7468

Ion Ratio Lower Upper

128 100

127 17.6 9.9 14.9#

129 9.2 8.7 13.1

