

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\
 Data File : VF059595.D
 Acq On : 20 Jul 2018 21:54
 Operator : VA/AP
 Sample : J4016-22
 Misc : 6.83g/5mL/MSVOA F/SOIL
 ALS Vial : 90 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 20 23:28:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	199237	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	295557	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	251365	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	108602	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	144021	46.48	ug/l	-0.01
Spiked Amount			Recovery	=	92.96%	
35) Dibromofluoromethane	4.29	113	136882	53.47	ug/l	-0.01
Spiked Amount			Recovery	=	106.94%	
50) Toluene-d8	7.70	98	286817	44.48	ug/l	-0.02
Spiked Amount			Recovery	=	88.96%	
62) 4-Bromofluorobenzene	11.51	95	120245	35.55	ug/l	-0.02
Spiked Amount			Recovery	=	71.10%	

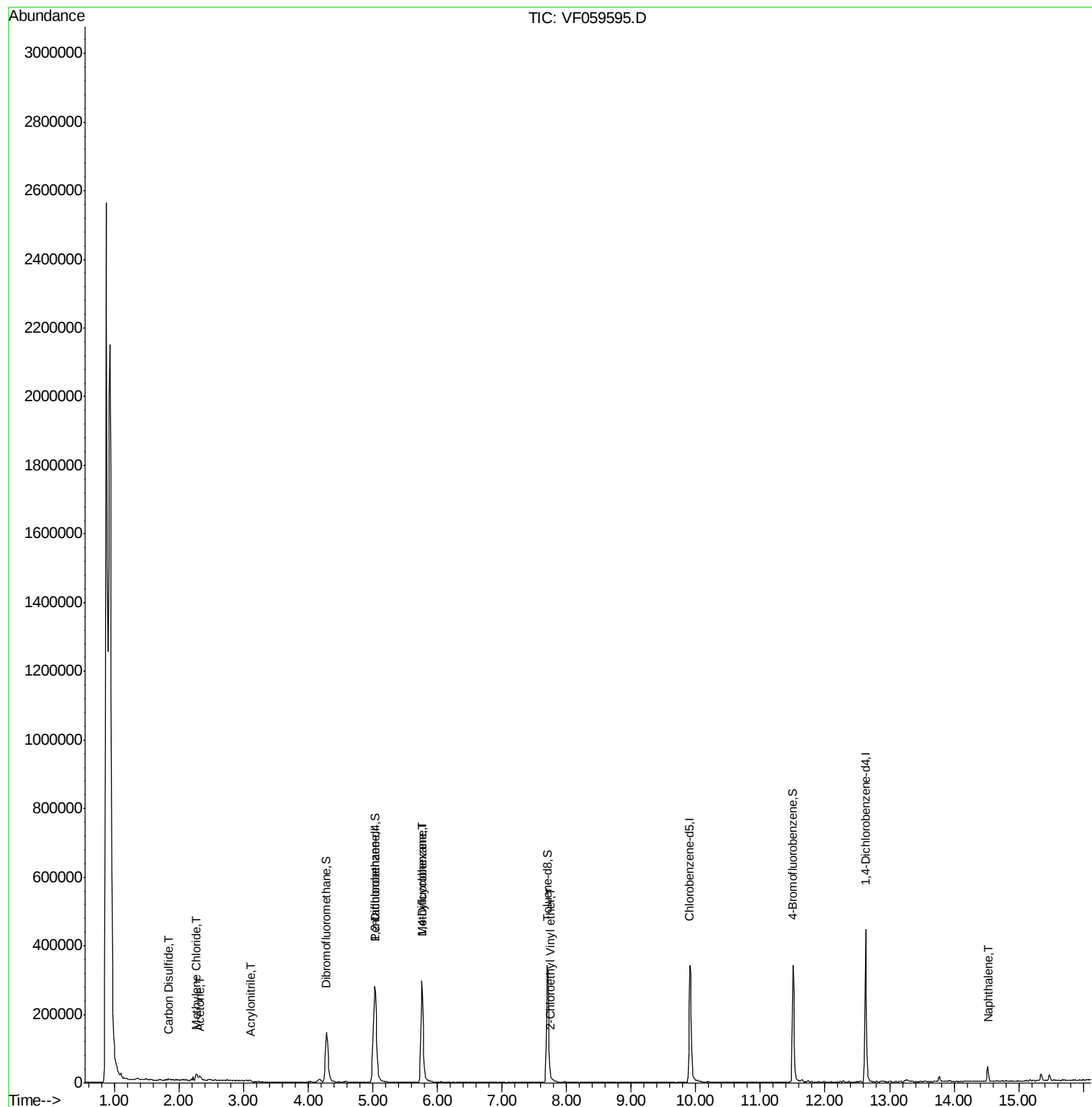
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.71	59	293	Below Cal	#	74
13) Acrolein	2.03	56	690	Below Cal		94
15) Acrylonitrile	3.11	53	512	1.969	ug/l #	13
16) Acetone	2.33	43	21310	20.772	ug/l #	90
17) Carbon Disulfide	1.84	76	6786	1.778	ug/l #	65
18) Methyl Acetate	2.45	43	1358	Below Cal	#	67
20) Methylene Chloride	2.27	84	8277	1.472	ug/l	94
29) Tetrahydrofuran	4.24	42	77	Below Cal	#	38
37) Ethyl Acetate	4.29	43	178	Below Cal	#	41
39) Methylcyclohexane	5.76	83	3734	1.663	ug/l #	31
49) 1,4-Dioxane	6.85	88	73	Below Cal	#	39
58) 2-Chloroethyl Vinyl ether	7.76	63	191	1.082	ug/l	100
95) Naphthalene	14.52	128	31487	7.914	ug/l	98

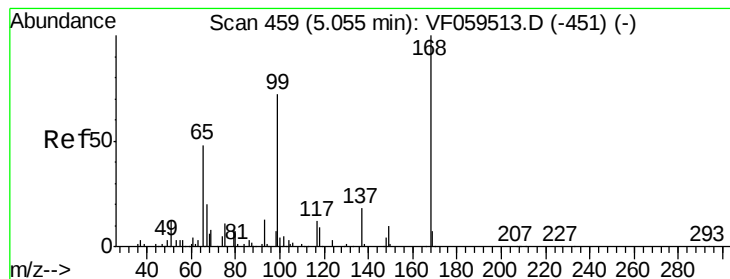
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF072018\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059595.D

Acq: 20 Jul 2018 21:54

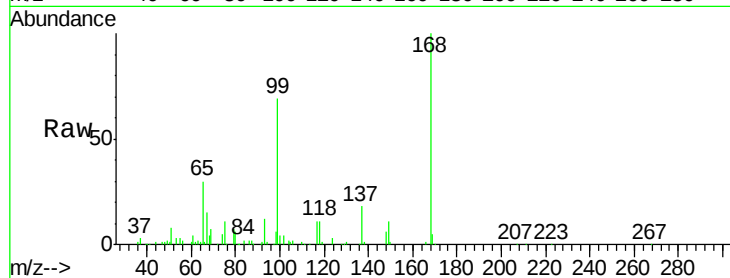
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 199237

Ion Ratio Lower Upper

168 100

99 69.3 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

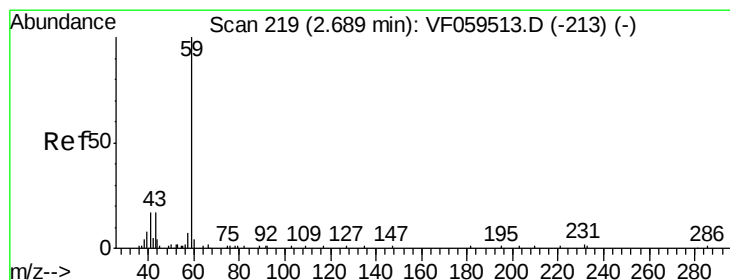
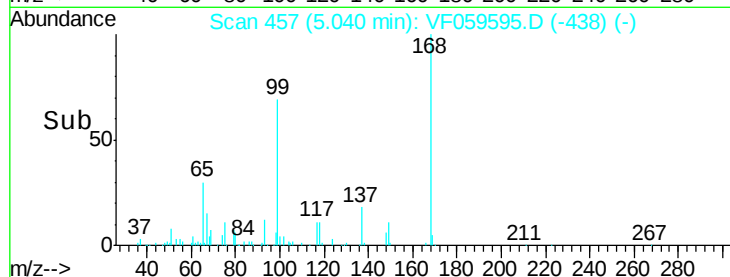
40000

20000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.71 min Scan# 221

Delta R.T. 0.02 min

Lab File: VF059595.D

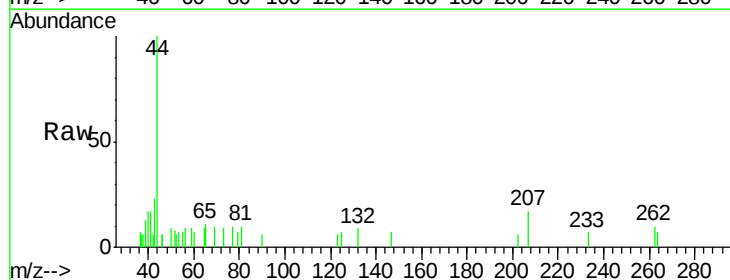
Acq: 20 Jul 2018 21:54

Tgt Ion: 59 Resp: 293

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.71

150

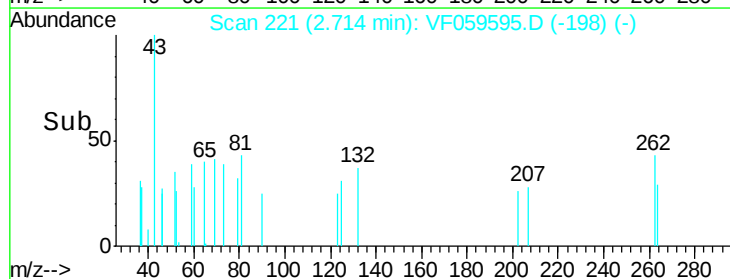
100

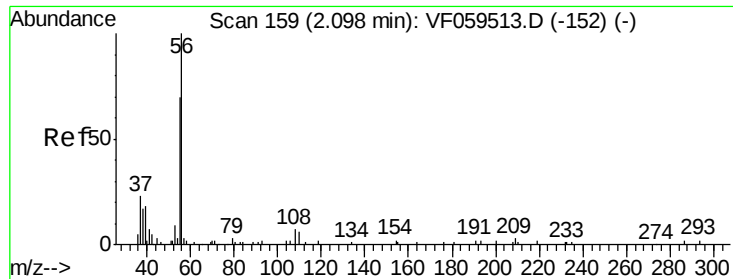
50

0

Time-->

2.65 2.70





#13

Acrolein

Concen: Below Cal

RT: 2.03 min Scan# 152

Delta R.T. -0.06 min

Lab File: VF059595.D

Acq: 20 Jul 2018 21:54

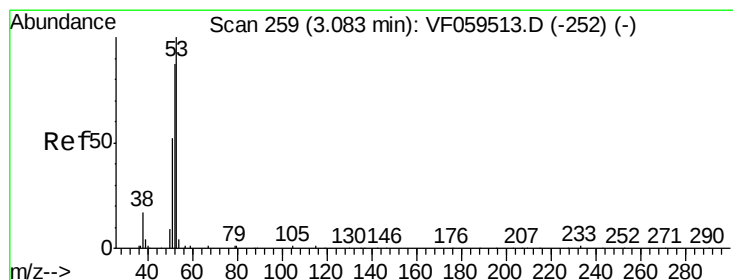
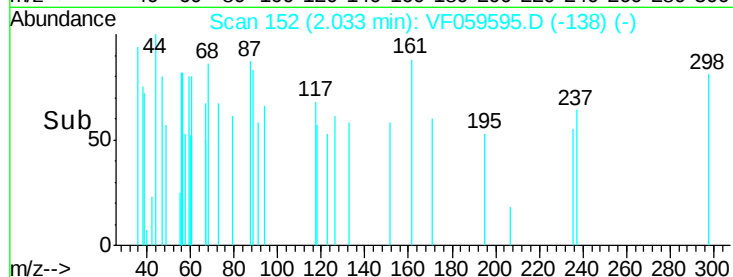
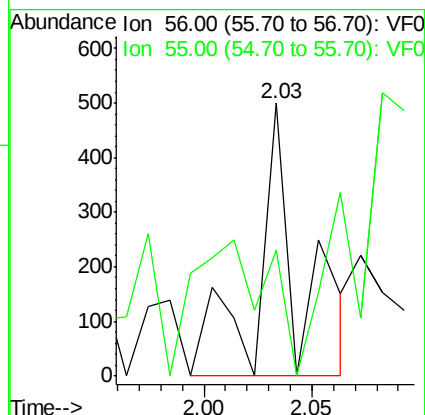
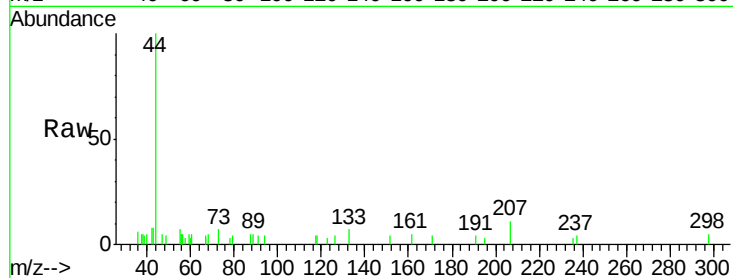
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 690

Ion Ratio Lower Upper

56 100

55 79.2 59.4 89.2



#15

Acrylonitrile

Concen: 1.969 ug/l

RT: 3.11 min Scan# 261

Delta R.T. 0.02 min

Lab File: VF059595.D

Acq: 20 Jul 2018 21:54

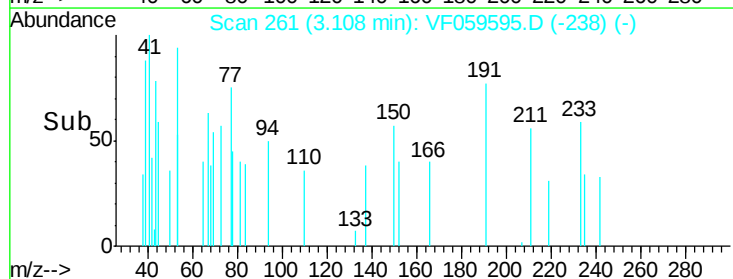
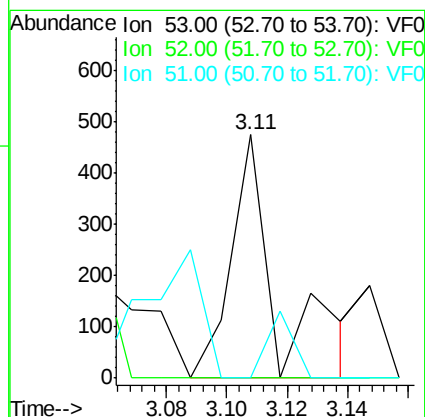
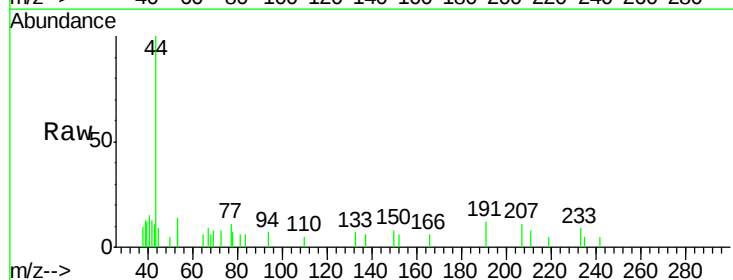
Tgt Ion: 53 Resp: 512

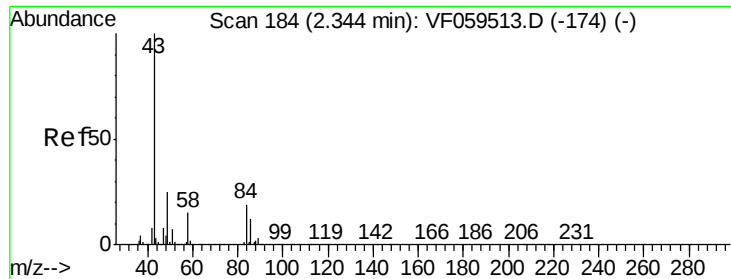
Ion Ratio Lower Upper

53 100

52 0.0 70.1 105.1#

51 0.0 42.5 63.7#

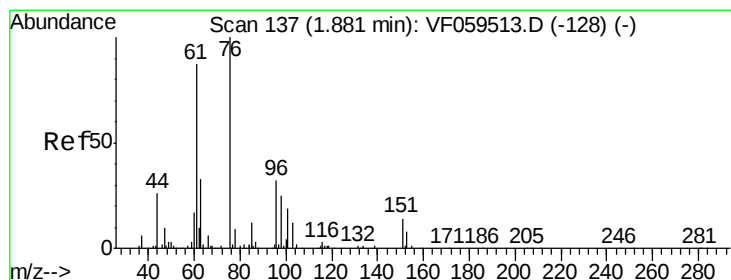
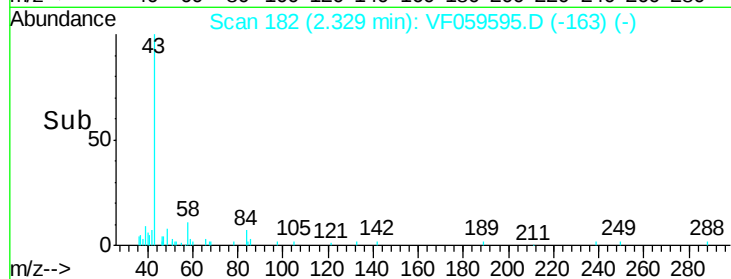
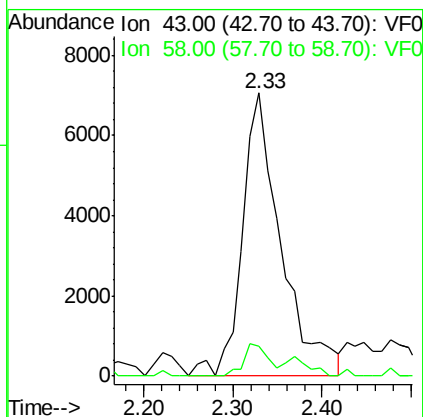
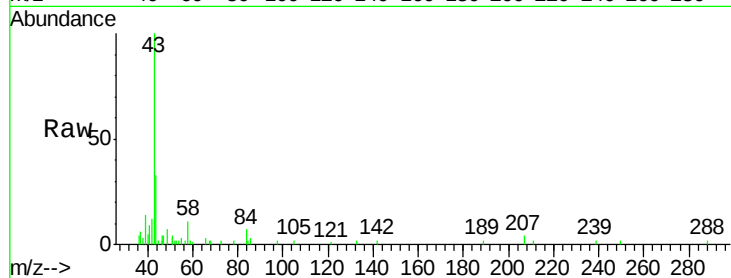




#16
Acetone
Concen: 20.772 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF059595.D
Acq: 20 Jul 2018 21:54

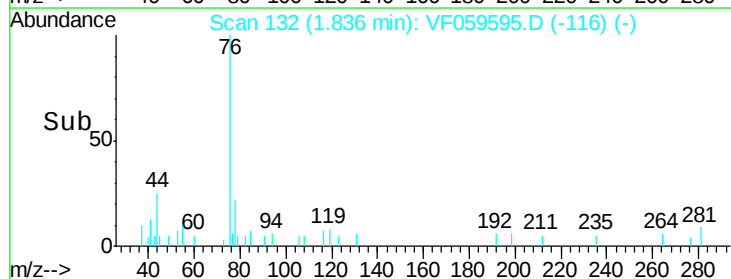
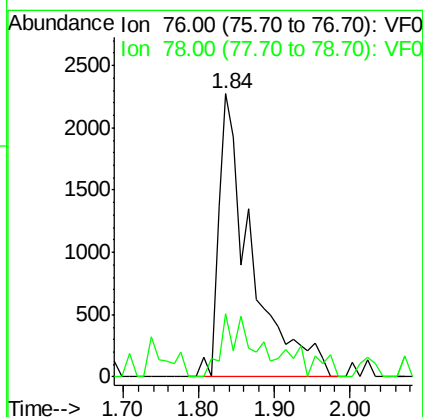
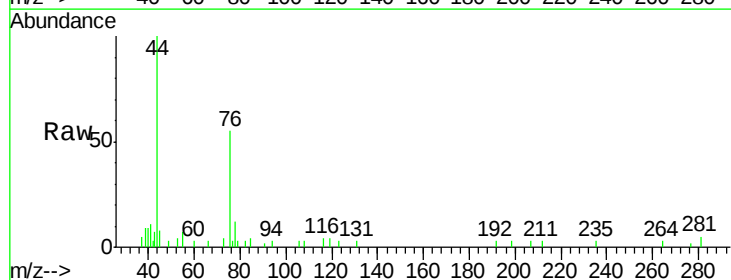
Instrument :
MSVOA_F
ClientSampleId :

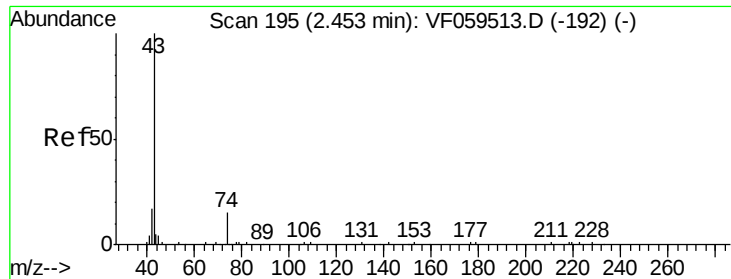
Tot Ion: 43 Resp: 21310
Ion Ratio Lower Upper
43 100
58 10.6 11.8 17.6#



#17
Carbon Disulfide
Concen: 1.778 ug/l
RT: 1.84 min Scan# 132
Delta R.T. -0.04 min
Lab File: VF059595.D
Acq: 20 Jul 2018 21:54

Tgt Ion: 76 Resp: 6786
Ion Ratio Lower Upper
76 100
78 22.5 7.8 11.6#

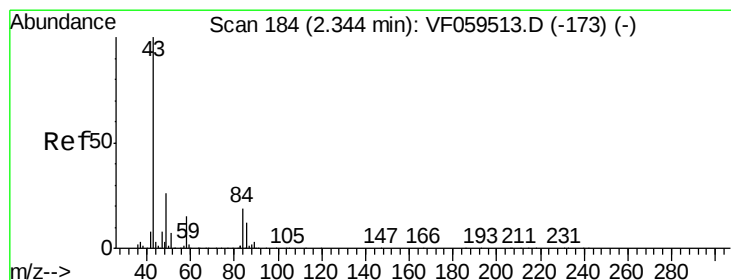
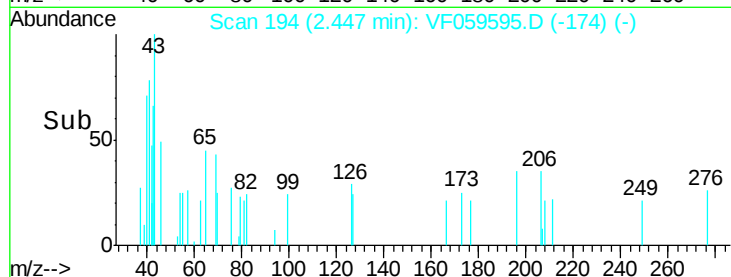
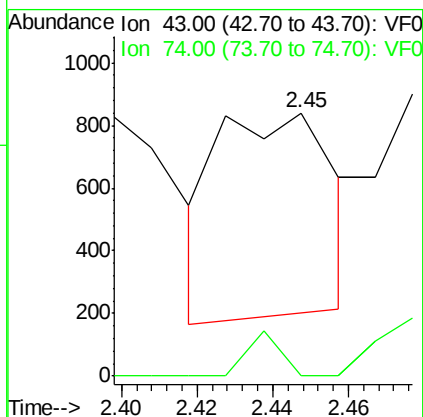
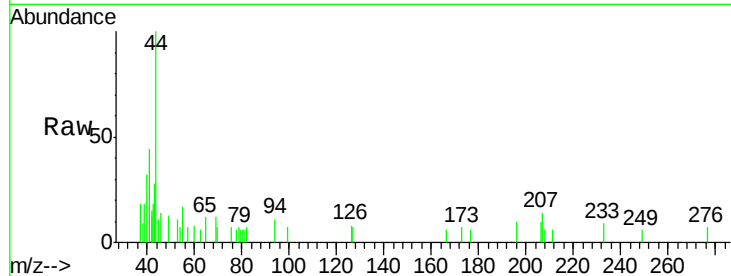




#18
Methyl Acetate
Concen: Below Cal
RT: 2.45 min Scan# 194
Delta R.T. -0.00 min
Lab File: VF059595.D
Acq: 20 Jul 2018 21:54

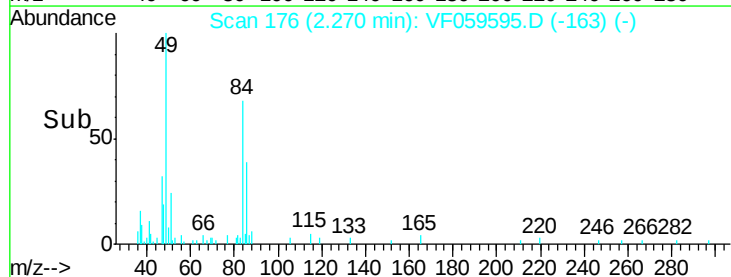
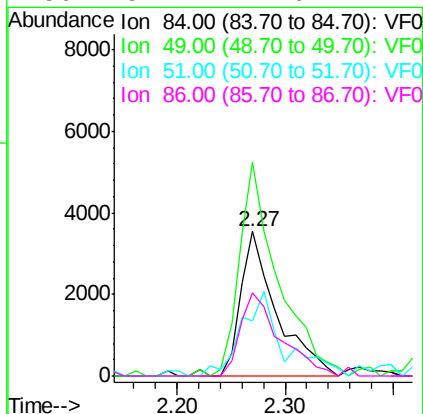
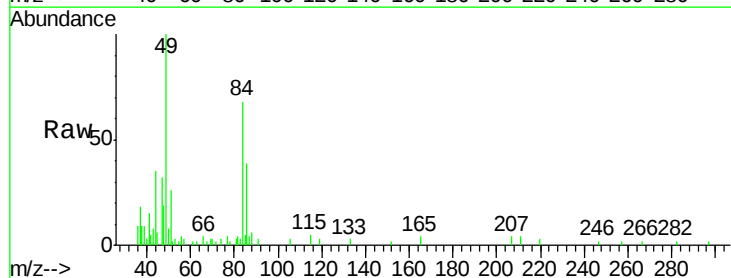
Instrument :
MSVOA_F
ClientSampled :

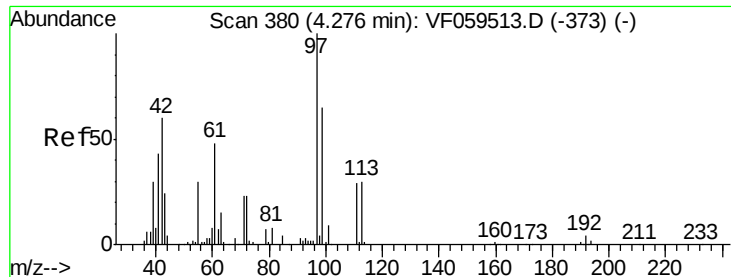
Tot Ion: 43 Resp: 1358
Ion Ratio Lower Upper
43 100
74 0.0 10.6 15.8#



#20
Methylene Chloride
Concen: 1.472 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.07 min
Lab File: VF059595.D
Acq: 20 Jul 2018 21:54

Tgt Ion: 84 Resp: 8277
Ion Ratio Lower Upper
84 100
49 148.0 109.4 164.2
51 38.5 30.5 45.7
86 57.7 47.6 71.4

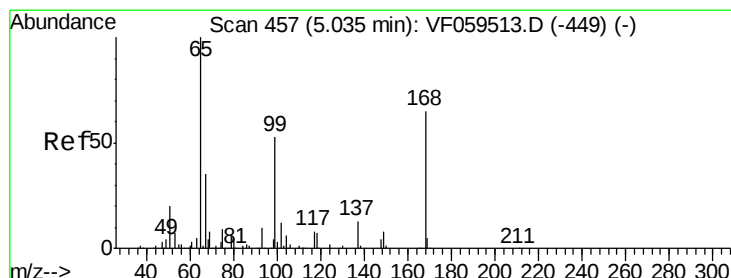
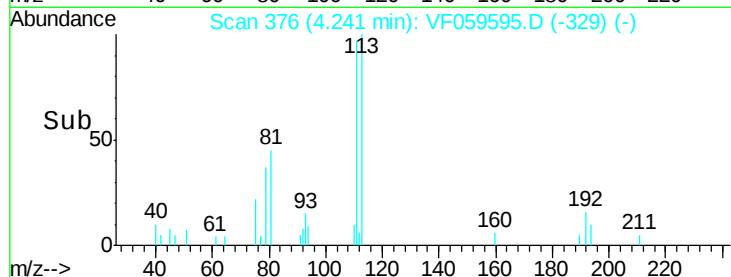
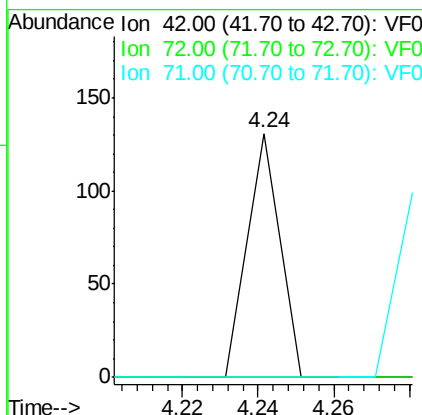
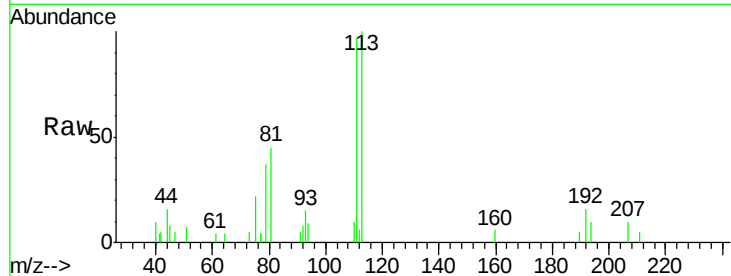




#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.24 min Scan# 376
Delta R.T. -0.03 min
Lab File: VF059595.D
Acq: 20 Jul 2018 21:54

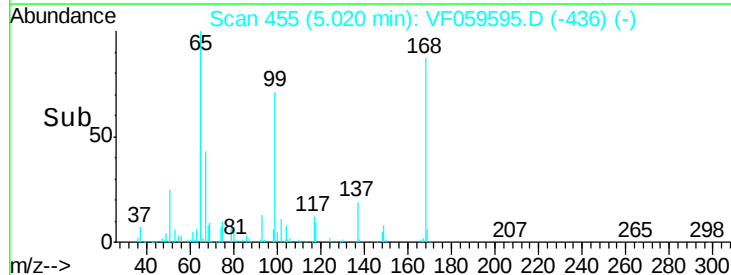
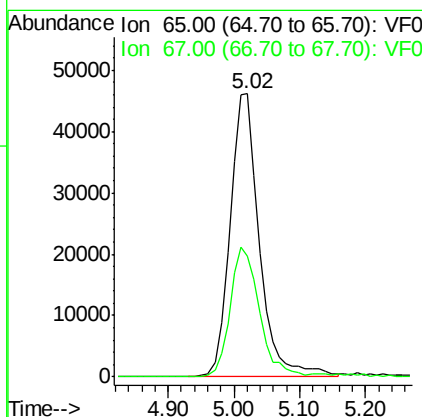
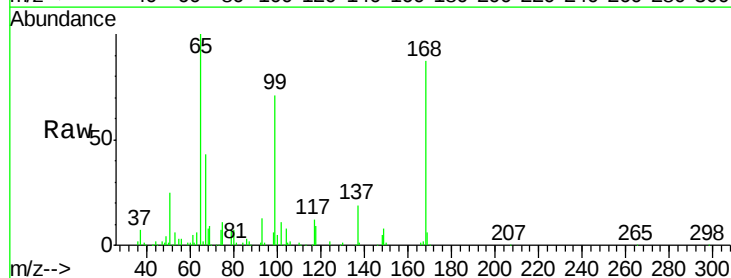
Instrument :
MSVOA_F
ClientSampleId :

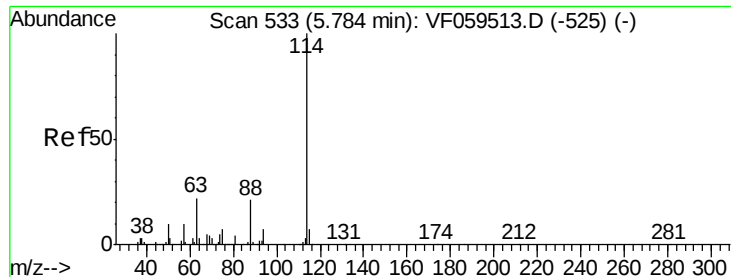
Tot Ion	42	Resp	77
Ion Ratio	100		
Lower	28.7		43.1#
Upper	30.8		46.2#



#33
1,2-Dichloroethane-d4
Concen: 46.479 ug/l
RT: 5.02 min Scan# 455
Delta R.T. -0.01 min
Lab File: VF059595.D
Acq: 20 Jul 2018 21:54

Tgt Ion	65	Resp	144021
Ion Ratio	100		
Lower	0.0		91.2
Upper			

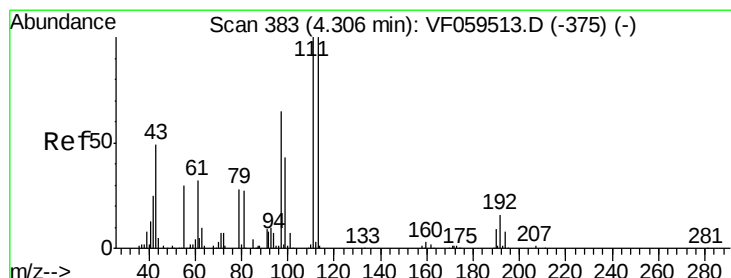
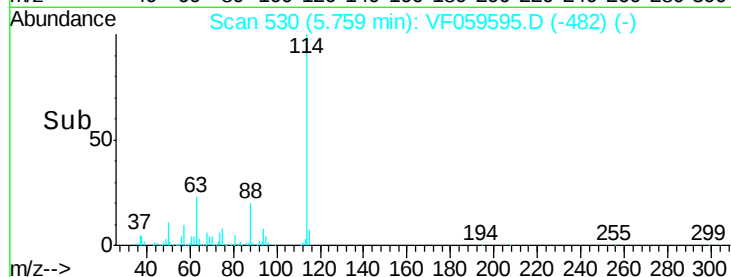
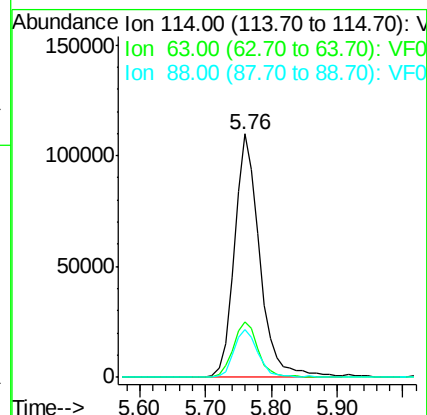
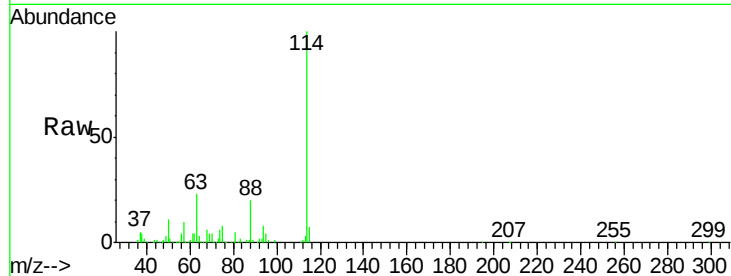




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.76 min Scan# 530
Delta R.T. -0.02 min
Lab File: VF059595.D
Acq: 20 Jul 2018 21:54

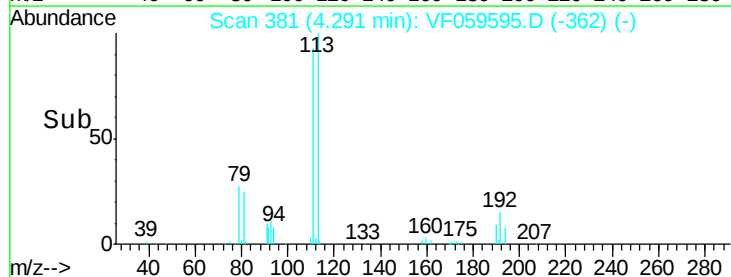
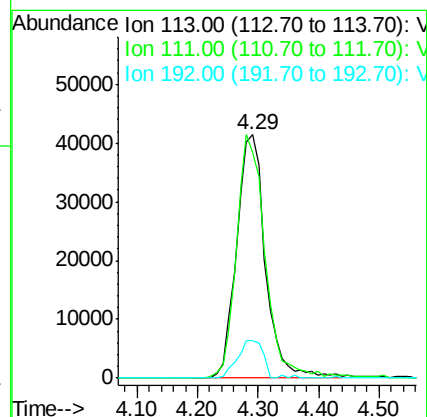
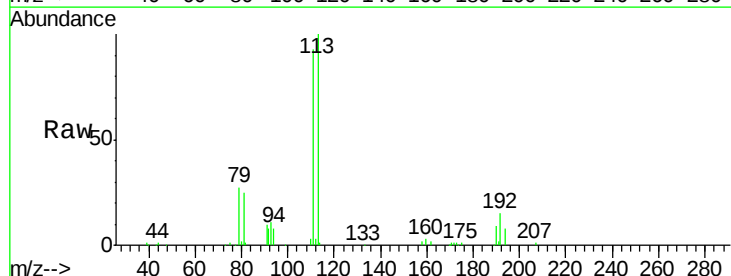
Instrument :
MSVOA_F
ClientSampled :

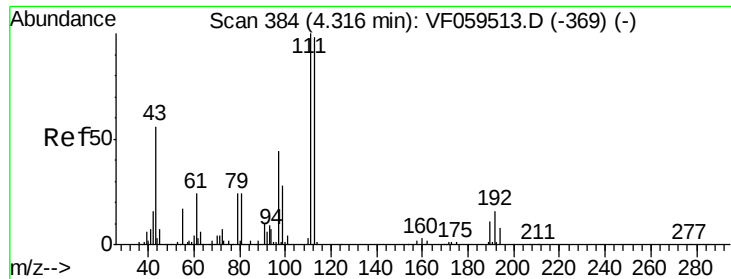
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	44.8
88	19.6	0.0	42.6



#35
Dibromofluoromethane
Concen: 53.475 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF059595.D
Acq: 20 Jul 2018 21:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	92.3	80.3	120.5
192	15.4	13.1	19.7

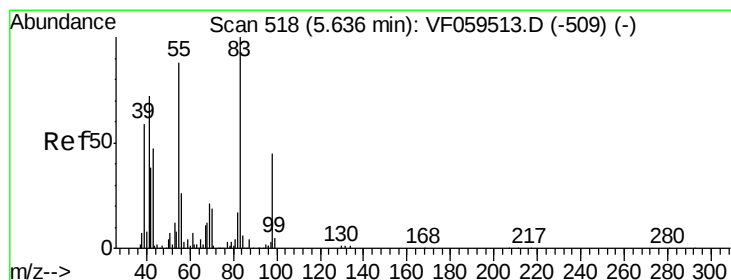
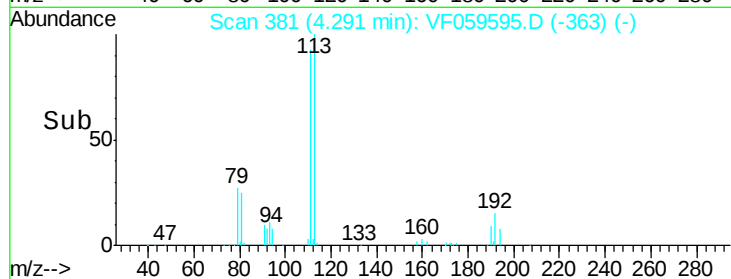
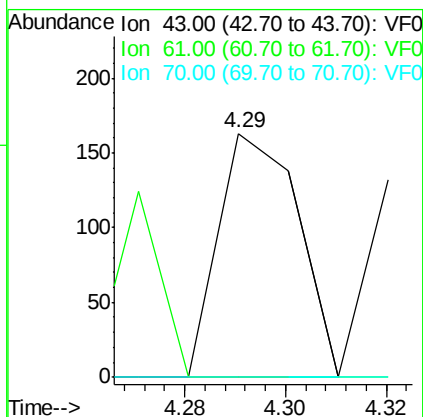
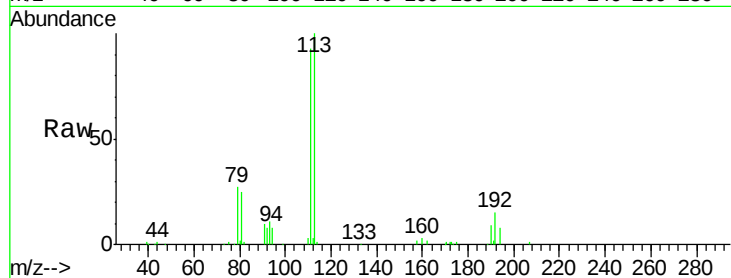




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.29 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF059595.D
Acq: 20 Jul 2018 21:54

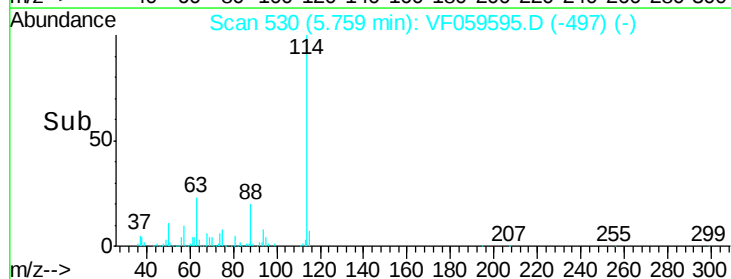
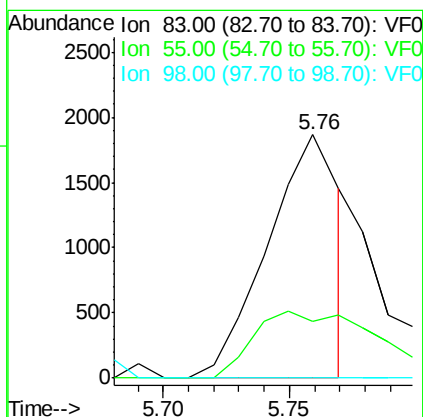
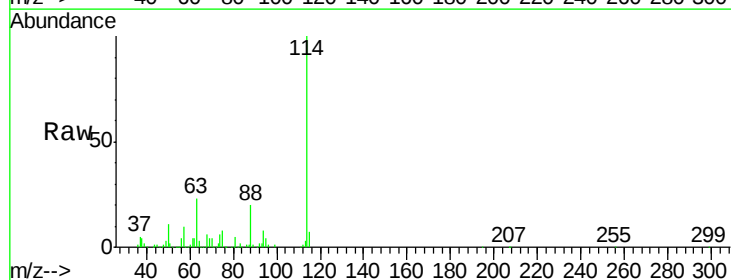
Instrument :
MSVOA_F
ClientSampleId :

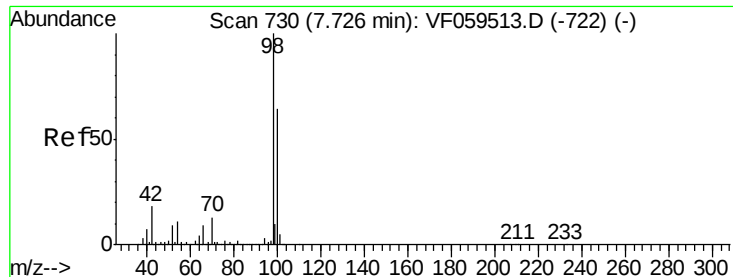
Tot Ion: 43 Resp: 178
Ion Ratio Lower Upper
43 100
61 0.0 33.7 50.5#
70 0.0 7.4 11.0#



#39
Methylcyclohexane
Concen: 1.663 ug/l
RT: 5.76 min Scan# 530
Delta R.T. 0.12 min
Lab File: VF059595.D
Acq: 20 Jul 2018 21:54

Tgt Ion: 83 Resp: 3734
Ion Ratio Lower Upper
83 100
55 23.3 70.2 105.4#
98 0.0 36.2 54.2#





#50

Toluene-d8

Concen: 44.482 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.02 min

Lab File: VF059595.D

Acq: 20 Jul 2018 21:54

Instrument :

MSVOA_F

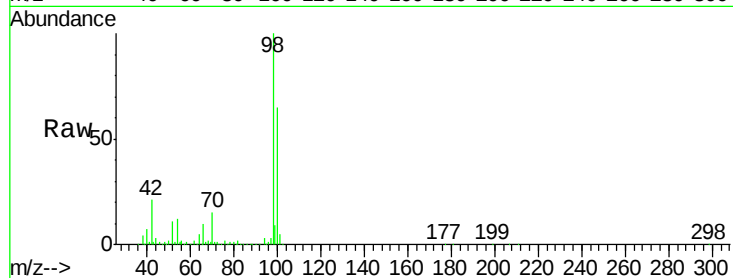
ClientSampled :

Tot Ion: 98 Resp: 286817

Ion Ratio Lower Upper

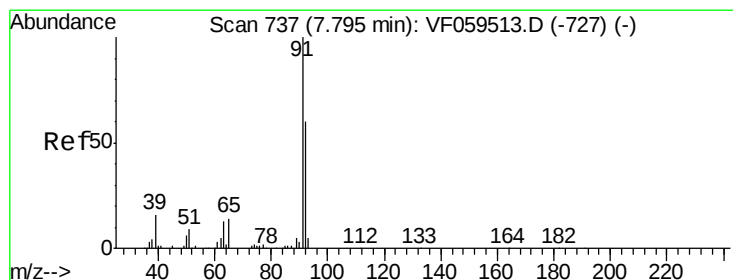
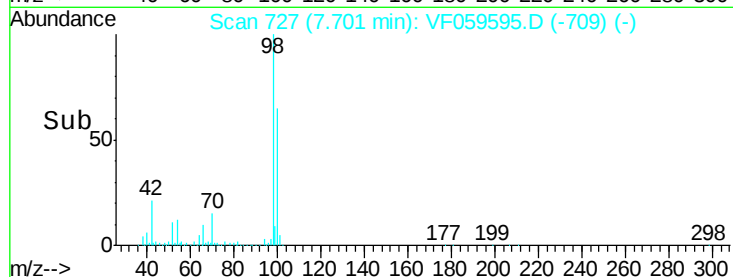
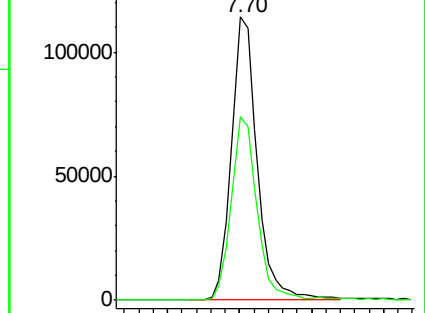
98 100

100 64.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 1.082 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.03 min

Lab File: VF059595.D

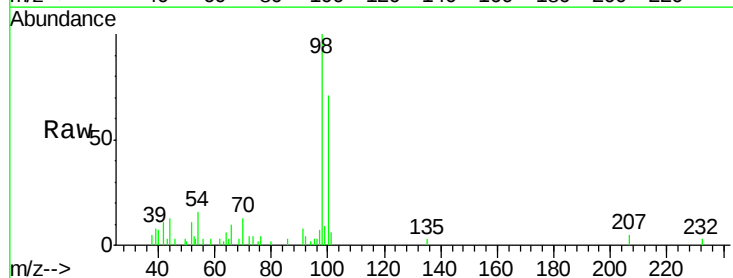
Acq: 20 Jul 2018 21:54

Tgt Ion: 63 Resp: 191

Ion Ratio Lower Upper

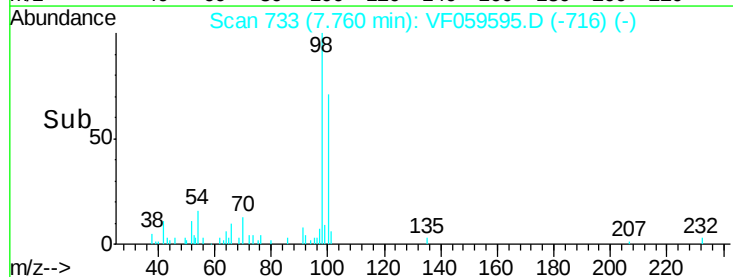
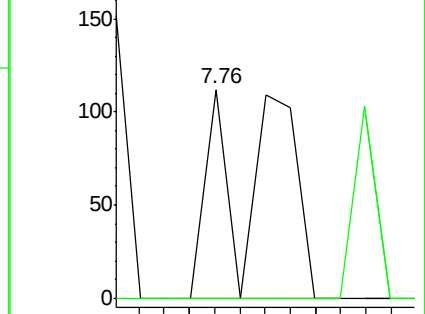
63 100

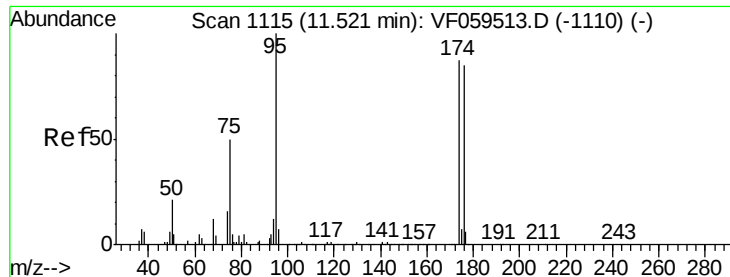
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#62

4-Bromofluorobenzene

Concen: 35.549 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.02 min

Lab File: VF059595.D

Acq: 20 Jul 2018 21:54

Instrument :

MSVOA_F

ClientSampleId :

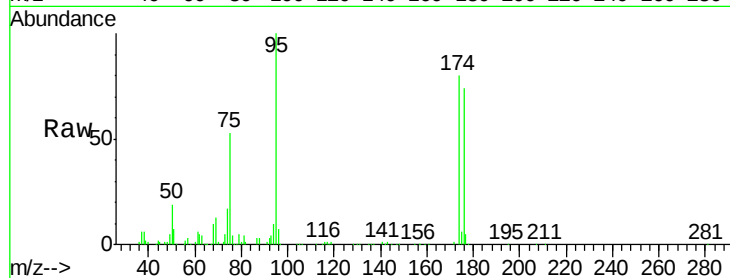
Tot Ion: 95 Resp: 120245

Ion Ratio Lower Upper

95 100

174 79.6 0.0 174.4

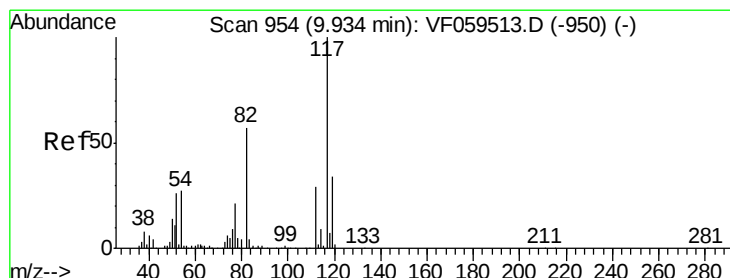
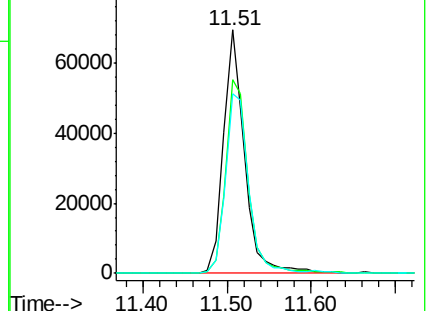
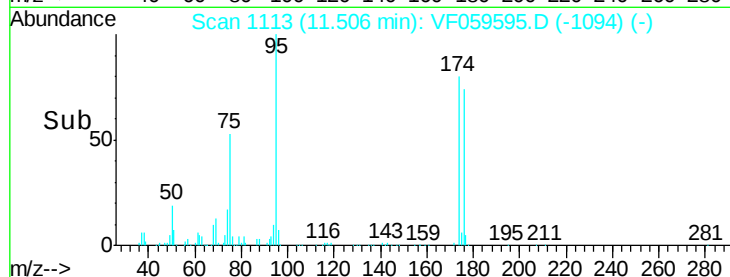
176 74.0 0.0 169.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.02 min

Lab File: VF059595.D

Acq: 20 Jul 2018 21:54

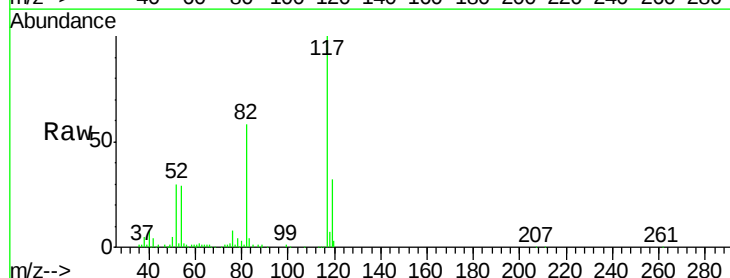
Tgt Ion: 117 Resp: 251365

Ion Ratio Lower Upper

117 100

82 57.9 46.1 69.1

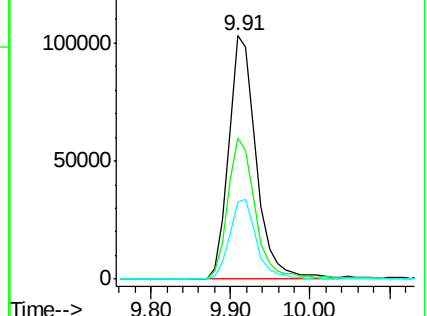
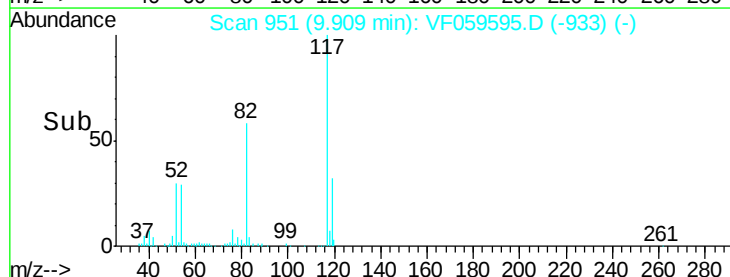
119 31.8 27.2 40.8

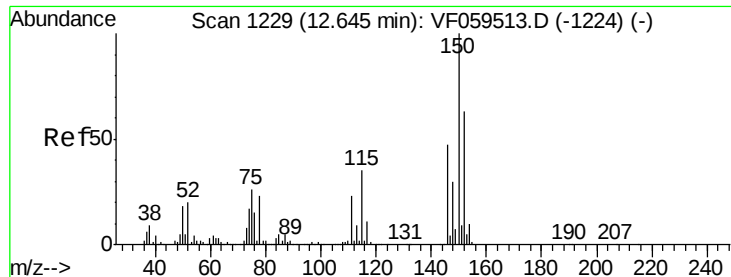


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



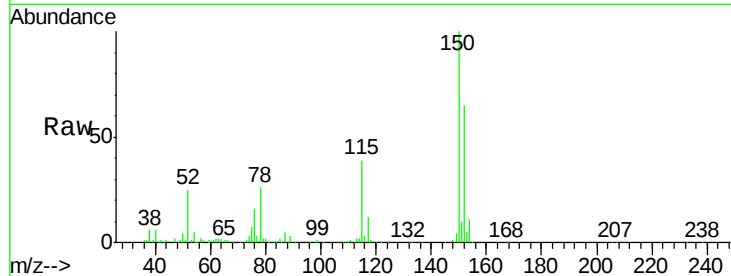


#72

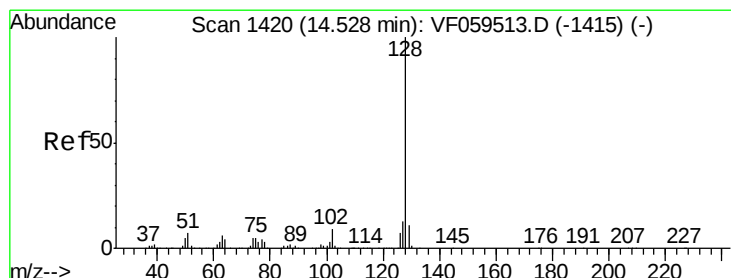
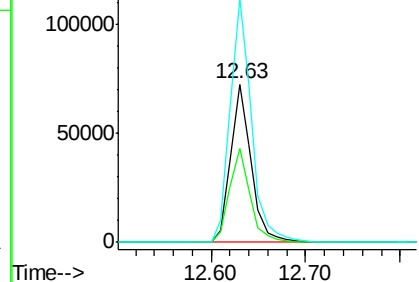
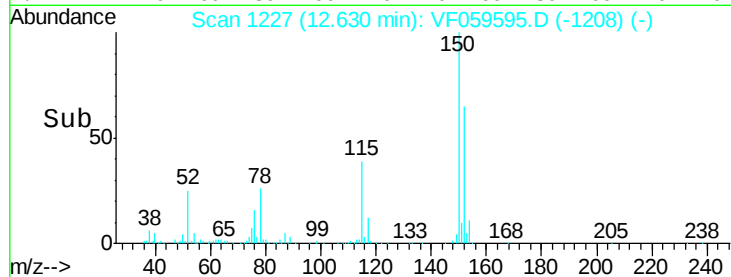
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.02 min
Lab File: VF059595.D
Acq: 20 Jul 2018 21:54

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.5	27.8	83.3
150	154.0	0.0	318.4



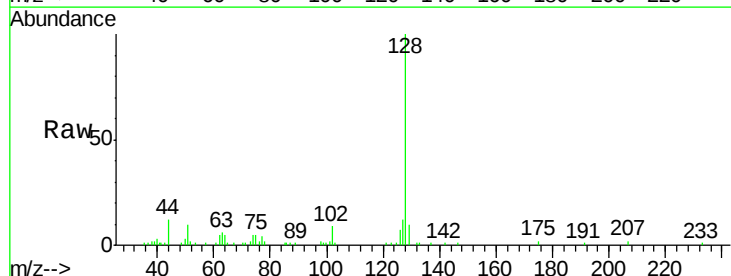
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



#95

Naphthalene
Concen: 7.914 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059595.D
Acq: 20 Jul 2018 21:54

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.2	15.2
129	10.3	9.0	13.4



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

