

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\
 Data File : VF059597.D
 Acq On : 20 Jul 2018 22:49
 Operator : VA/AP
 Sample : J3828-09RE
 Misc : 4.54u/5mL/MSVOA F/SOIL
 ALS Vial : 92 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 20 23:29:14 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	5.03	168	203438	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	302639	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	291554	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	157829	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	136540	43.15	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	86.30%	
35) Dibromofluoromethane	4.29	113	119811	45.71	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	91.42%	
50) Toluene-d8	7.71	98	238454	36.12	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	72.24%	
62) 4-Bromofluorobenzene	11.51	95	130190	37.59	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	75.18%	

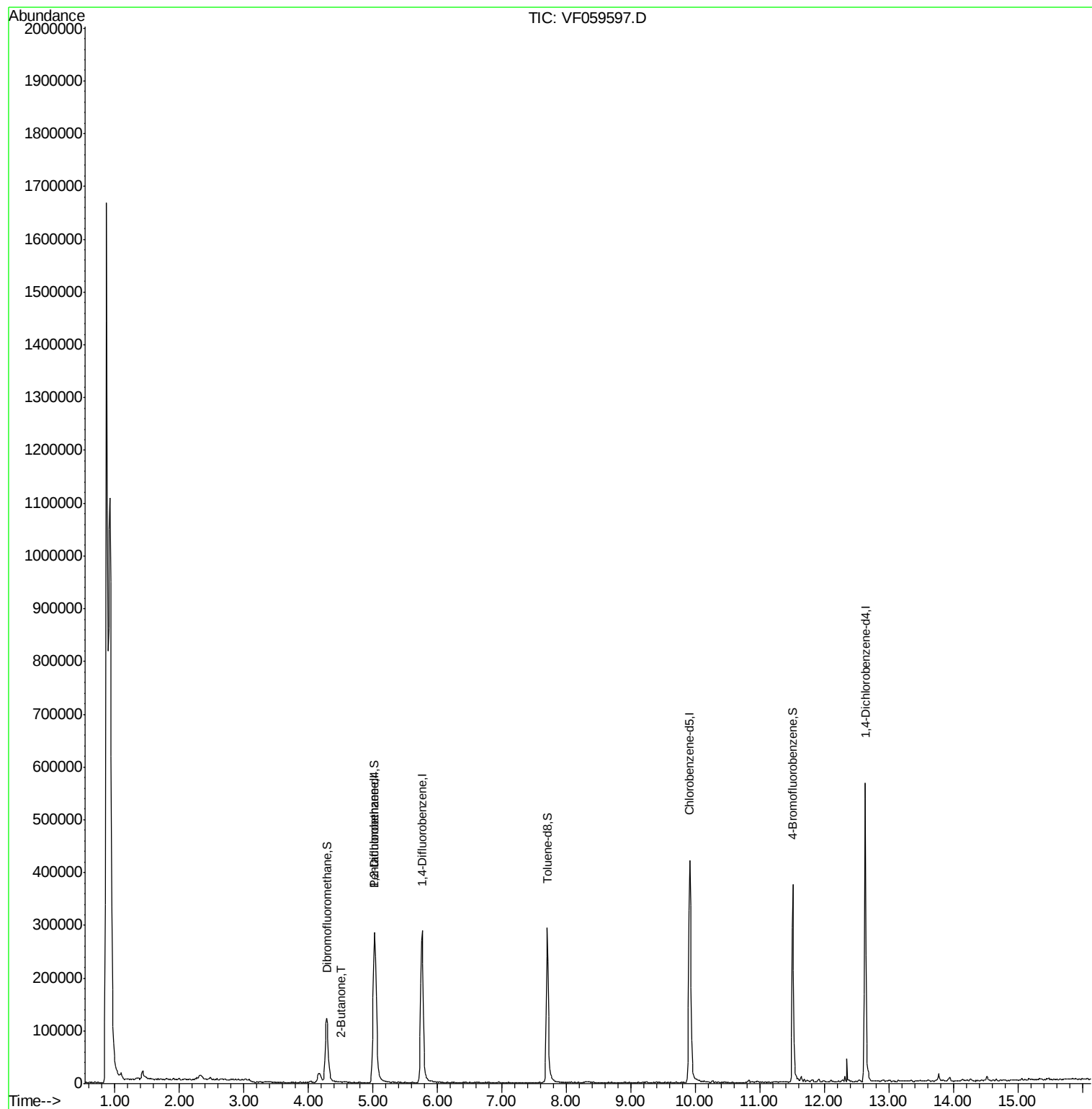
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.68	59	546	Below Cal	#	74
13) Acrolein	2.00	56	99	Below Cal		97
16) Acetone	2.43	43	472	Below Cal		97
18) Methyl Acetate	2.43	43	521	Below Cal	#	67
20) Methylene Chloride	2.27	84	672	Below Cal	#	41
25) 2-Butanone	4.51	43	1128	1.536	ug/l #	60
29) Tetrahydrofuran	4.23	42	460	Below Cal	#	68
37) Ethyl Acetate	4.31	43	308	Below Cal	#	41
49) 1,4-Dioxane	7.00	88	93	Below Cal	#	15

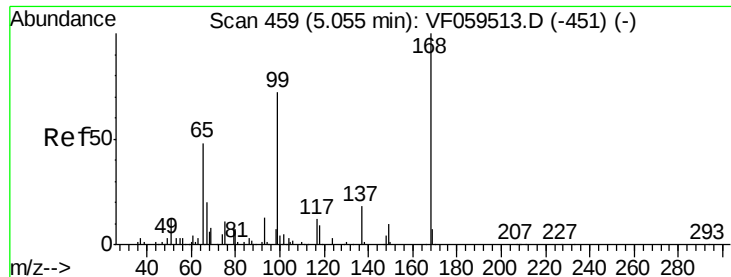
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.03 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF059597.D

Acq: 20 Jul 2018 22:49

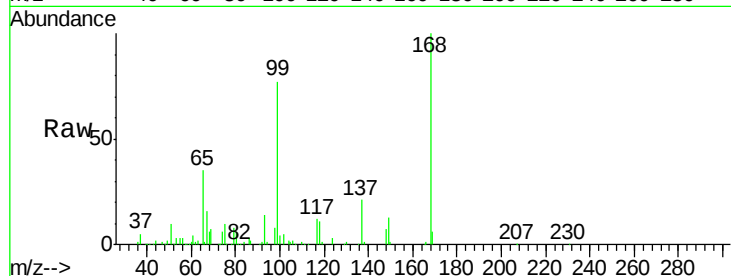
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 203438

Ion Ratio Lower Upper

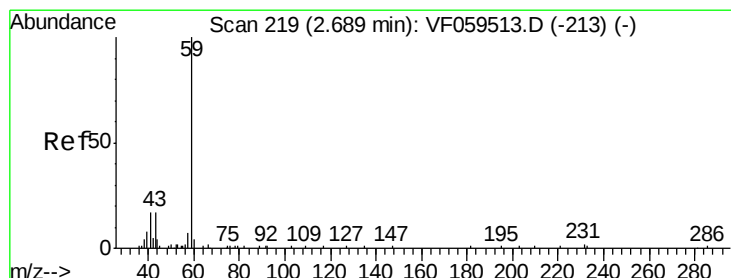
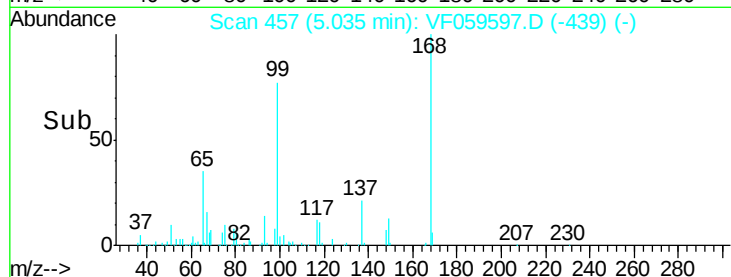
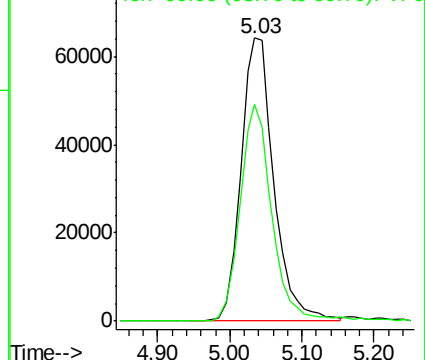
168 100

99 76.6 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.68 min Scan# 218

Delta R.T. -0.01 min

Lab File: VF059597.D

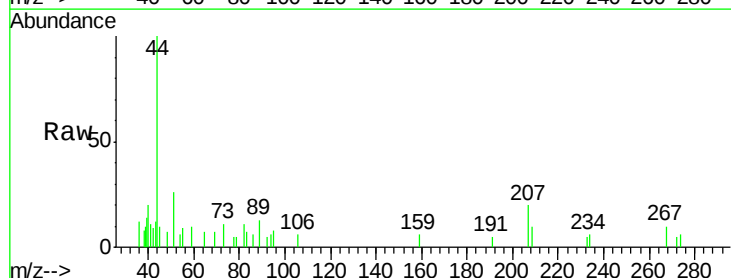
Acq: 20 Jul 2018 22:49

Tgt Ion: 59 Resp: 546

Ion Ratio Lower Upper

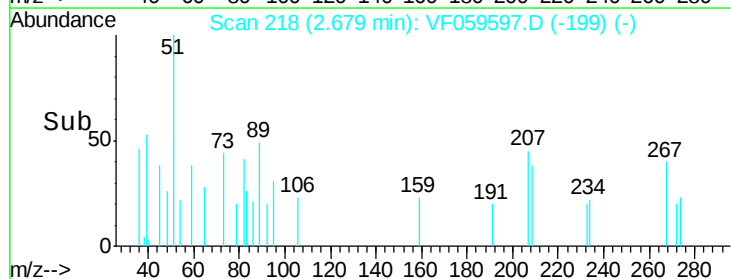
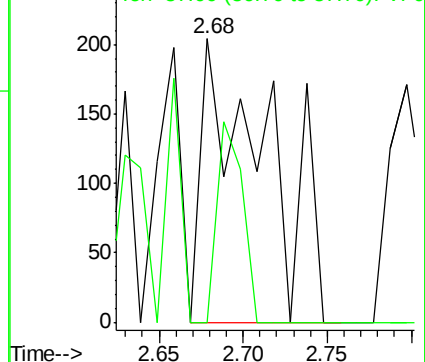
59 100

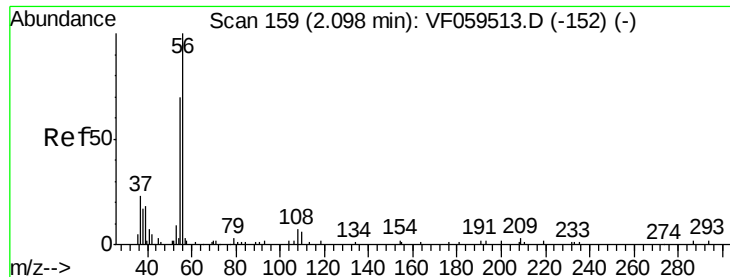
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

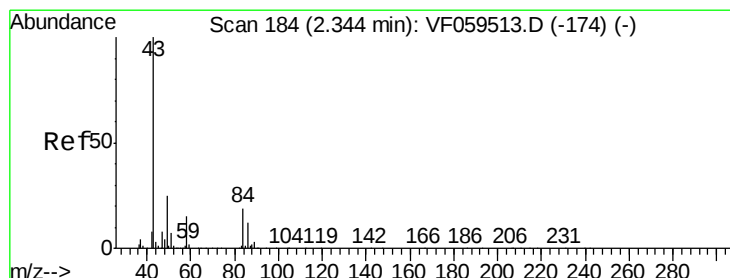
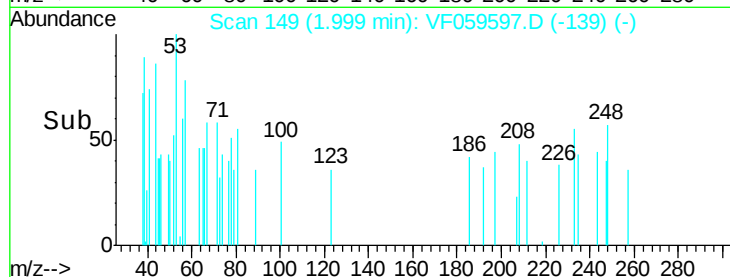
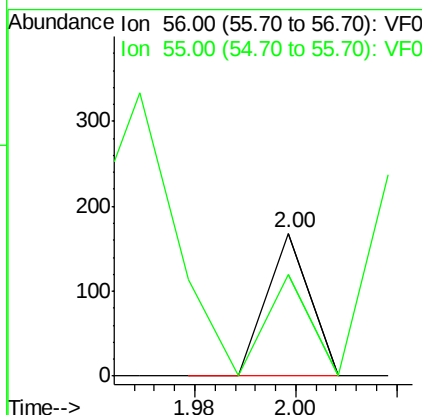
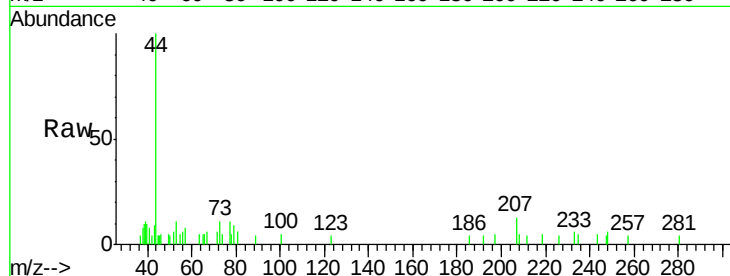




#13
Acrolein
Concen: Below Cal
RT: 2.00 min Scan# 149
Delta R.T. -0.10 min
Lab File: VF059597.D
Acq: 20 Jul 2018 22:49

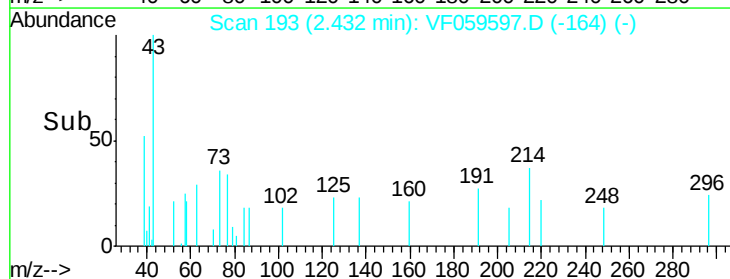
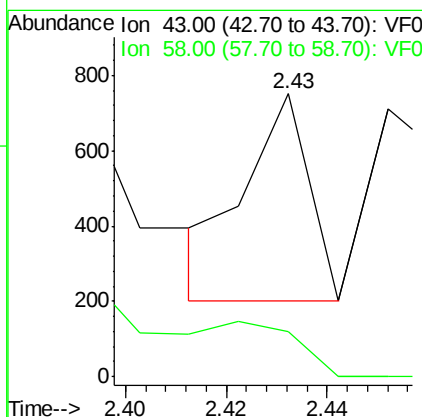
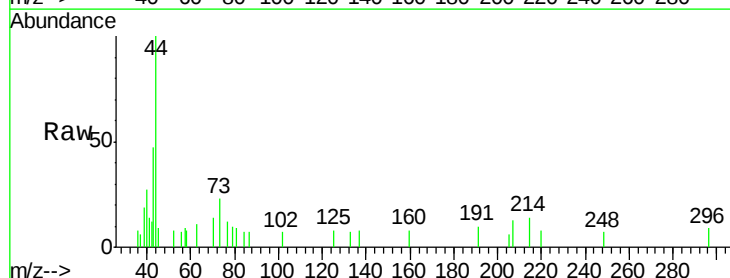
Instrument :
MSVOA_F
ClientSampled :

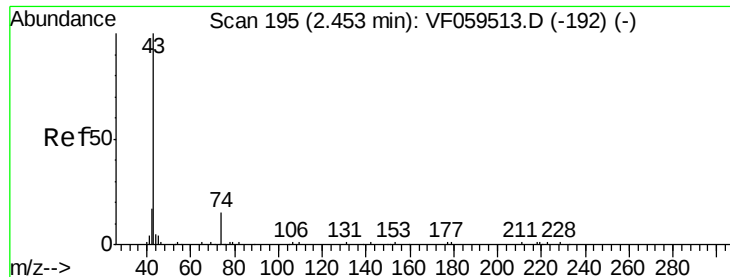
Tot Ion: 56 Resp: 99
Ion Ratio Lower Upper
56 100
55 71.4 59.4 89.2



#16
Acetone
Concen: Below Cal
RT: 2.43 min Scan# 193
Delta R.T. 0.09 min
Lab File: VF059597.D
Acq: 20 Jul 2018 22:49

Tgt Ion: 43 Resp: 472
Ion Ratio Lower Upper
43 100
58 16.1 11.8 17.6

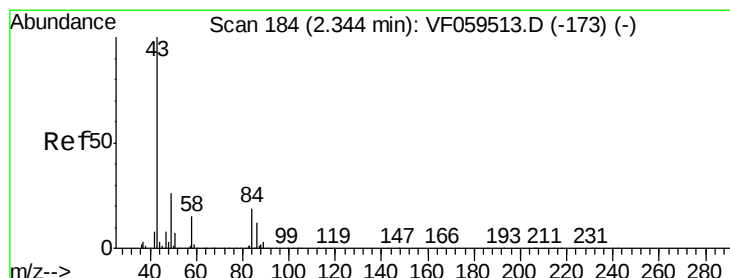
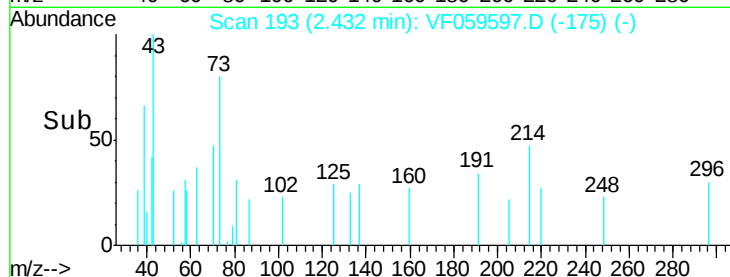
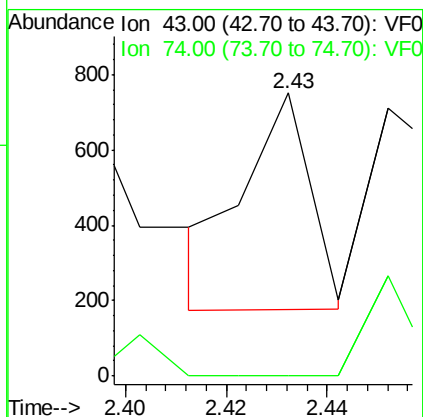
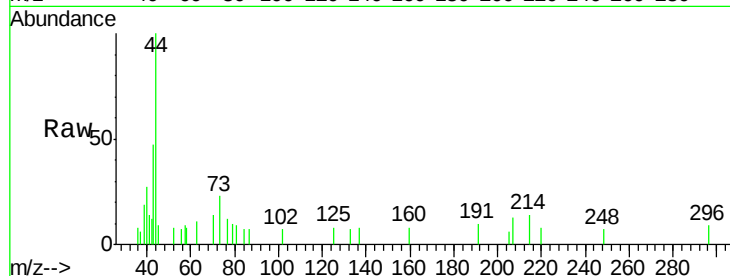




#18
Methyl Acetate
Concen: Below Cal
RT: 2.43 min Scan# 193
Delta R.T. -0.02 min
Lab File: VF059597.D
Acq: 20 Jul 2018 22:49

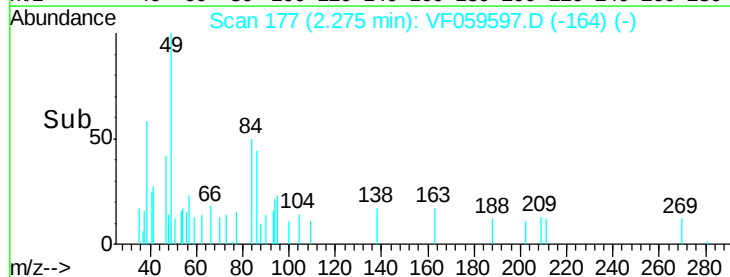
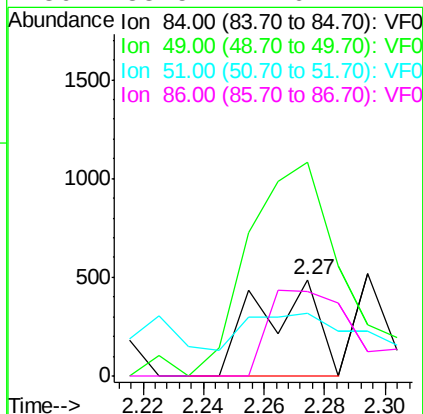
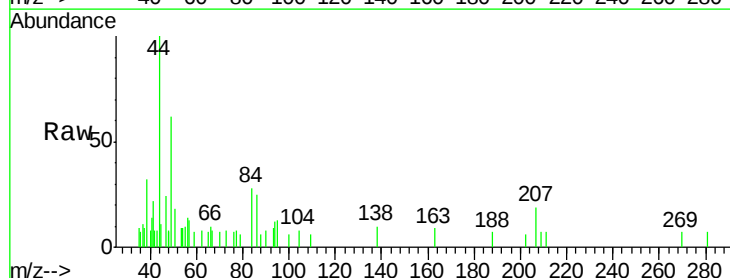
Instrument :
MSVOA_F
ClientSampled :

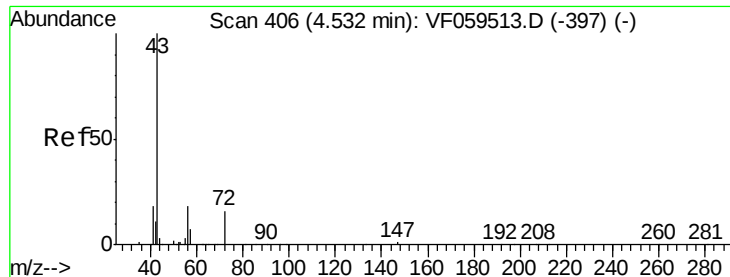
Tot Ion: 43 Resp: 521
Ion Ratio Lower Upper
43 100
74 0.0 10.6 15.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 177
Delta R.T. -0.07 min
Lab File: VF059597.D
Acq: 20 Jul 2018 22:49

Tgt Ion: 84 Resp: 672
Ion Ratio Lower Upper
84 100
49 222.0 109.4 164.2#
51 65.5 30.5 45.7#
86 88.5 47.6 71.4#





#25

2-Butanone

Concen: 1.536 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.02 min

Lab File: VF059597.D

Acq: 20 Jul 2018 22:49

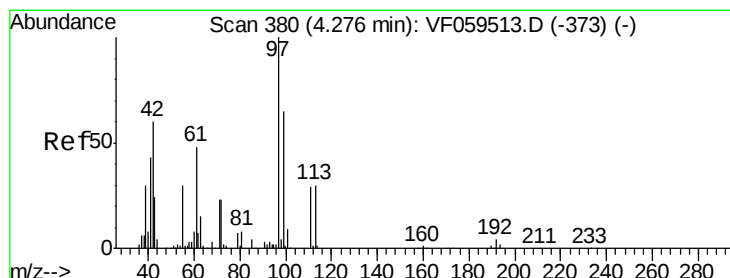
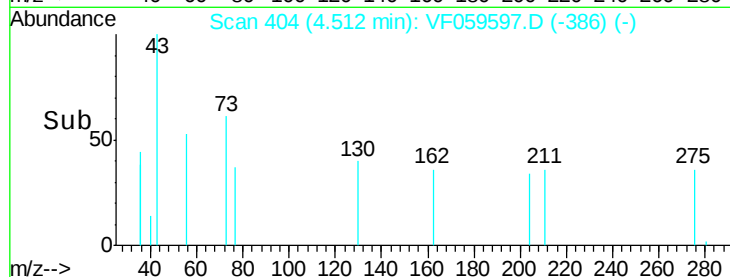
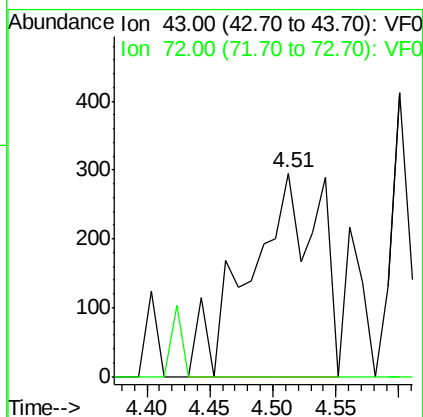
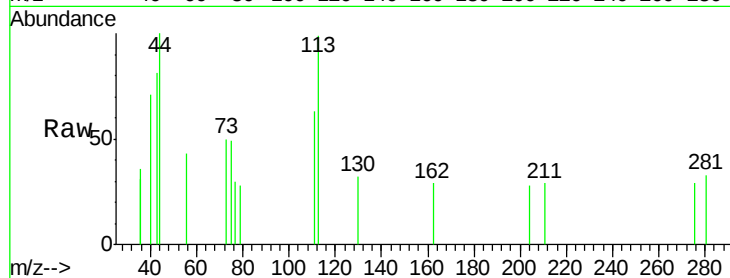
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 1128

Ion Ratio Lower Upper

43 100

72 0.0 14.2 21.4#



#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.23 min Scan# 375

Delta R.T. -0.05 min

Lab File: VF059597.D

Acq: 20 Jul 2018 22:49

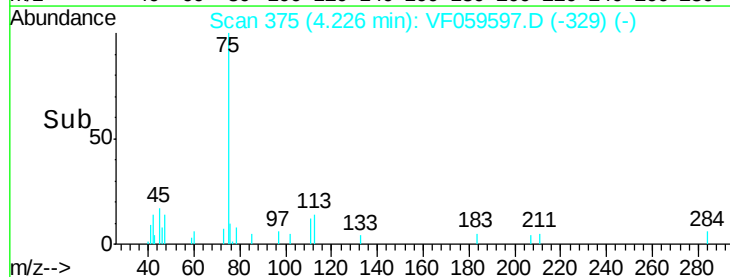
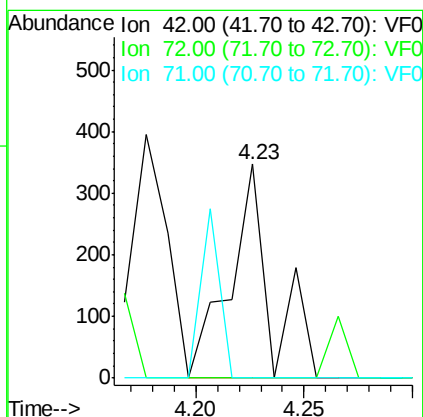
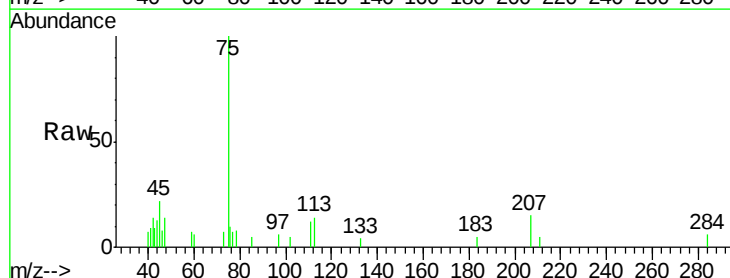
Tgt Ion: 42 Resp: 460

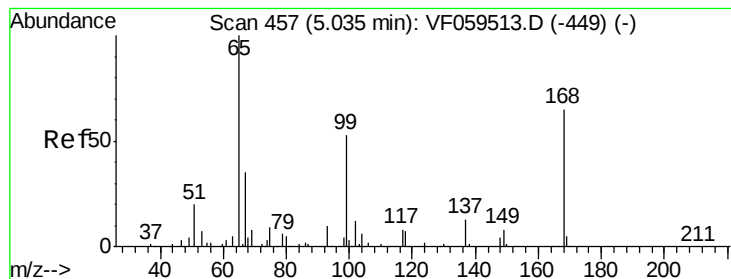
Ion Ratio Lower Upper

42 100

72 0.0 28.7 43.1#

71 35.4 30.8 46.2





#33

1,2-Dichloroethane-d4

Concen: 43.155 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.02 min

Lab File: VF059597.D

Acq: 20 Jul 2018 22:49

Instrument :

MSVOA_F

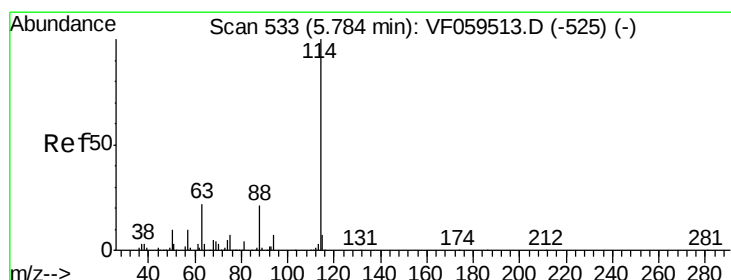
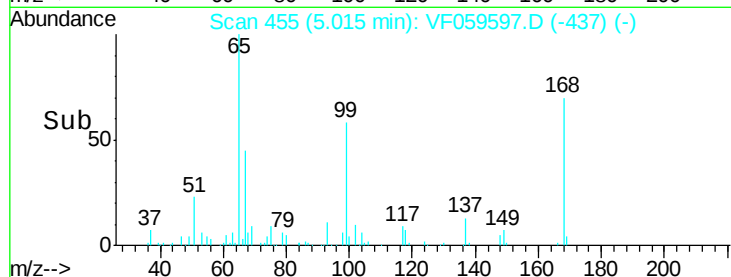
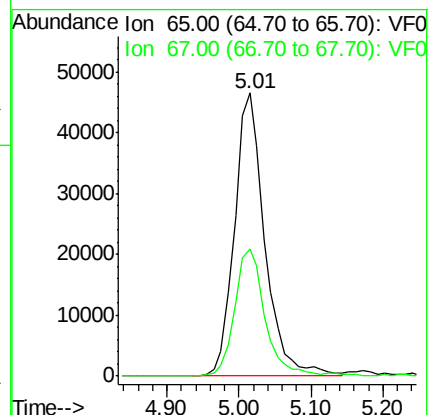
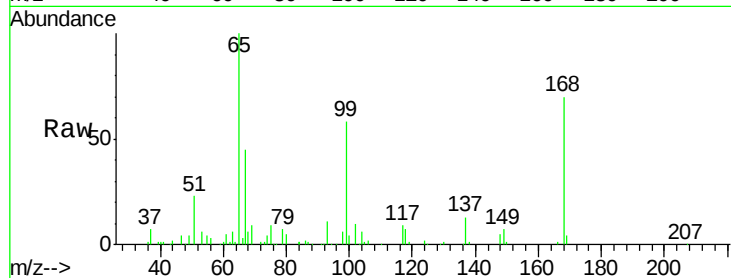
ClientSampleId :

Tot Ion: 65 Resp: 136540

Ion Ratio Lower Upper

65 100

67 45.1 0.0 91.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.02 min

Lab File: VF059597.D

Acq: 20 Jul 2018 22:49

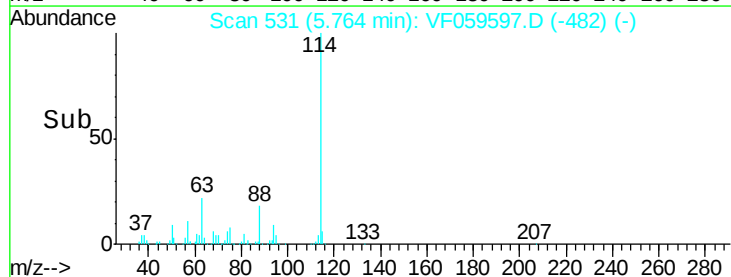
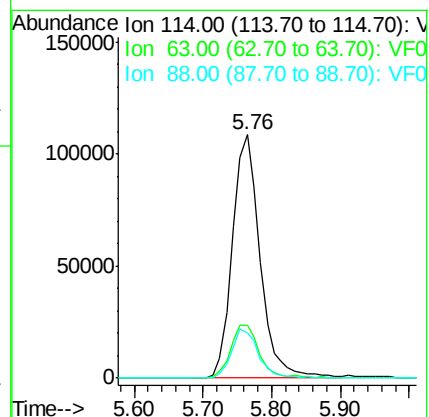
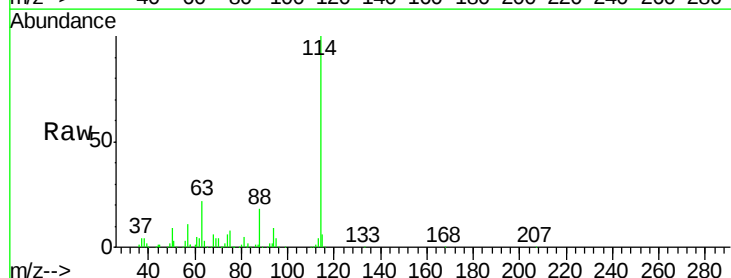
Tgt Ion: 114 Resp: 302639

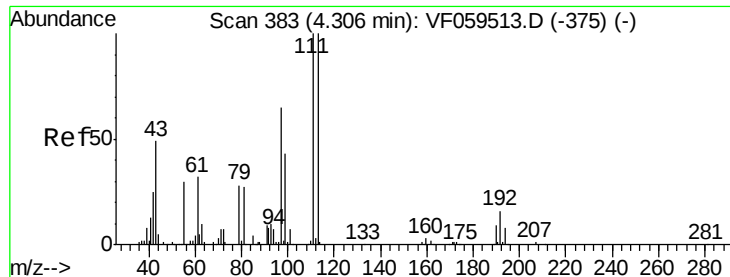
Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.8

88 18.4 0.0 42.6





#35

Dibromofluoromethane

Concen: 45.710 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.02 min

Lab File: VF059597.D

Acq: 20 Jul 2018 22:49

Instrument :
MSVOA_F
ClientSampleId :

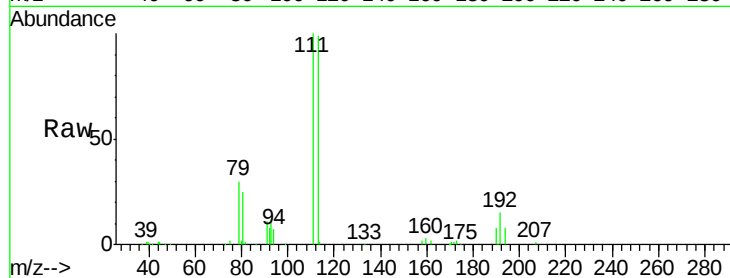
Tot Ion:113 Resp: 119811

Ion	Ratio	Lower	Upper
113	100		
111	100.9	80.3	120.5
192	15.3	13.1	19.7

113 100

111 100.9 80.3 120.5

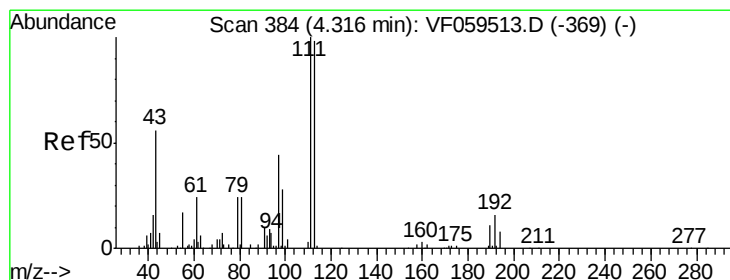
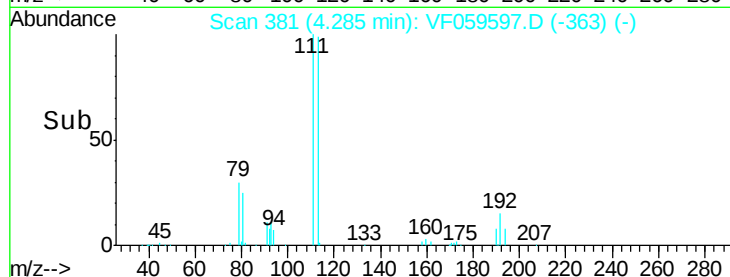
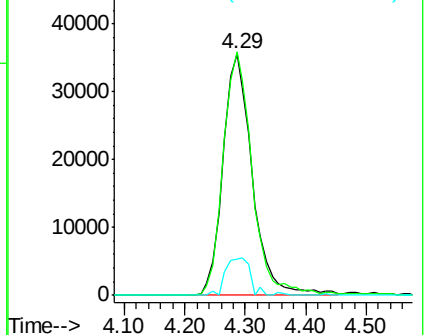
192 15.3 13.1 19.7



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



#37

Ethyl Acetate

Concen: Below Cal

RT: 4.31 min Scan# 383

Delta R.T. -0.01 min

Lab File: VF059597.D

Acq: 20 Jul 2018 22:49

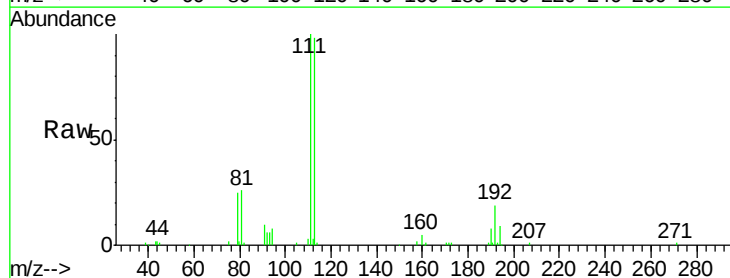
Tgt Ion: 43 Resp: 308

Ion	Ratio	Lower	Upper
43	100		
61	0.0	33.7	50.5#
70	0.0	7.4	11.0#

43 100

61 0.0 33.7 50.5#

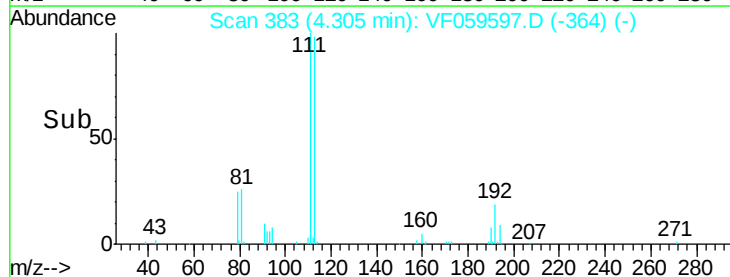
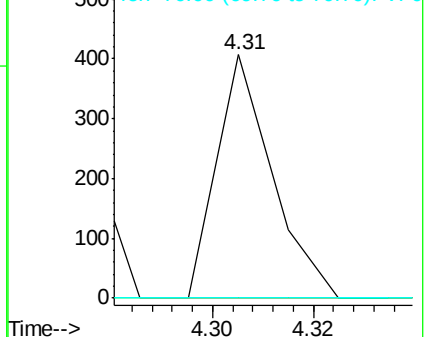
70 0.0 7.4 11.0#

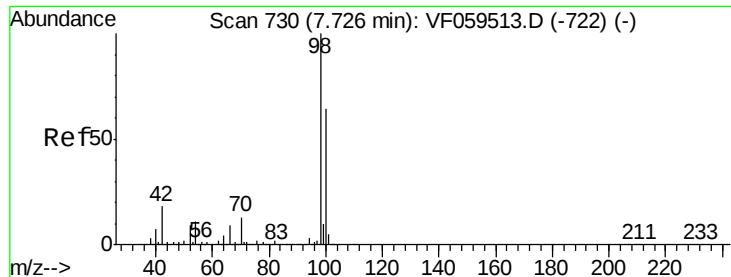


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

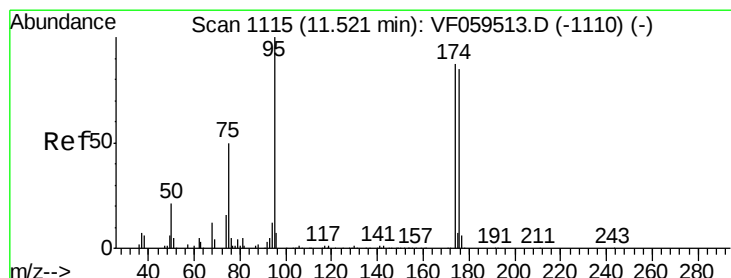
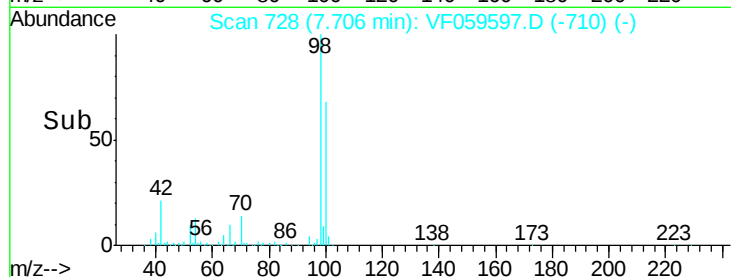
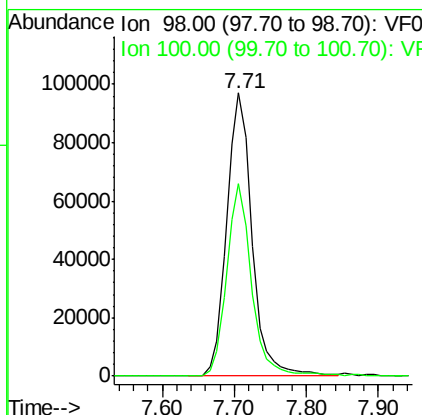
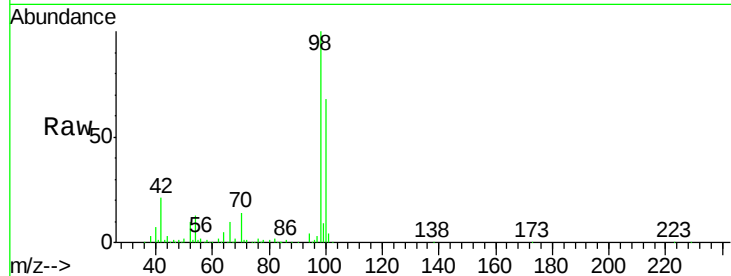




#50
Toluene-d8
Concen: 36.116 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.02 min
Lab File: VF059597.D
Acq: 20 Jul 2018 22:49

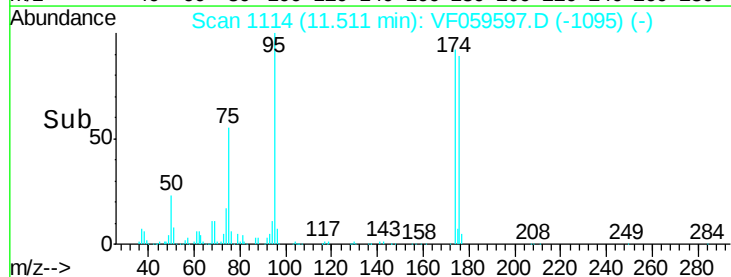
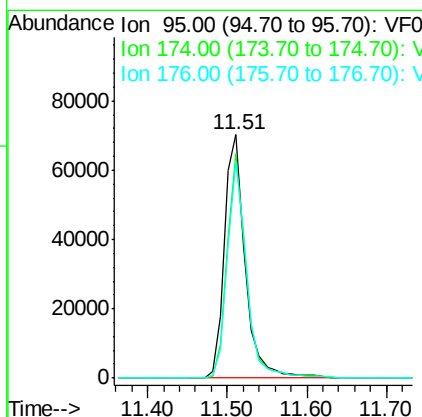
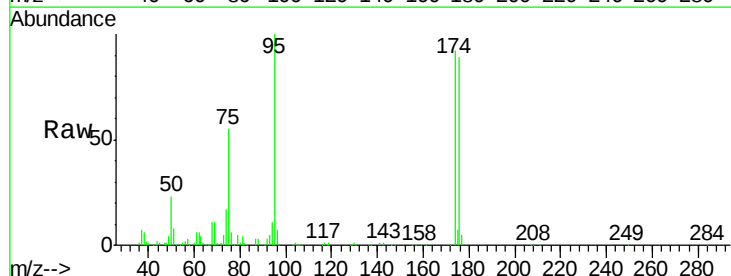
Instrument :
MSVOA_F
ClientSampled :

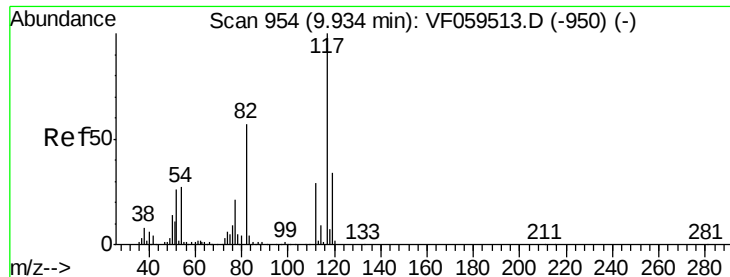
Tot Ion: 98 Resp: 238454
Ion Ratio Lower Upper
98 100
100 68.2 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 37.588 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VF059597.D
Acq: 20 Jul 2018 22:49

Tgt Ion: 95 Resp: 130190
Ion Ratio Lower Upper
95 100
174 92.0 0.0 174.4
176 89.1 0.0 169.4

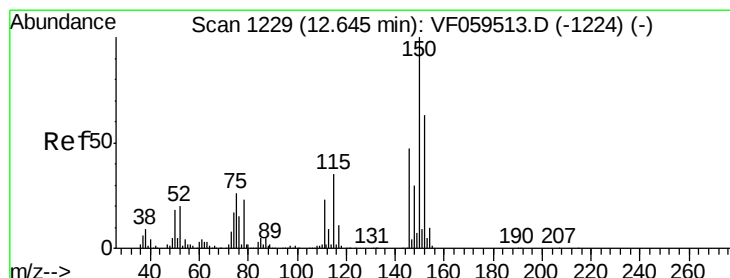
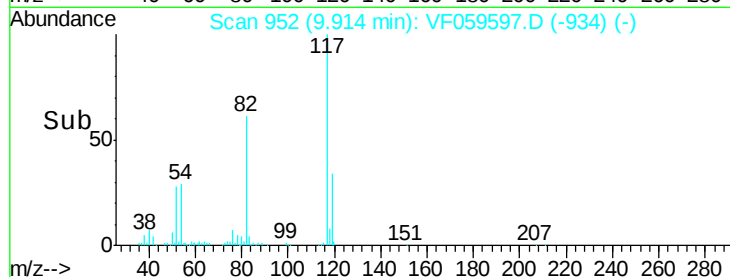
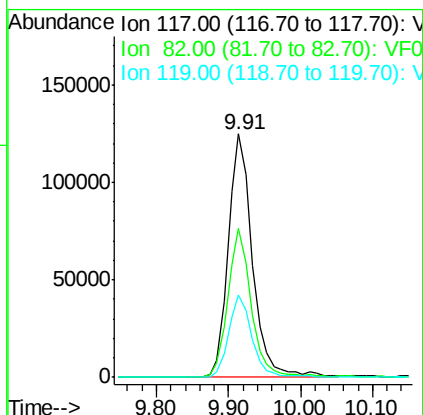
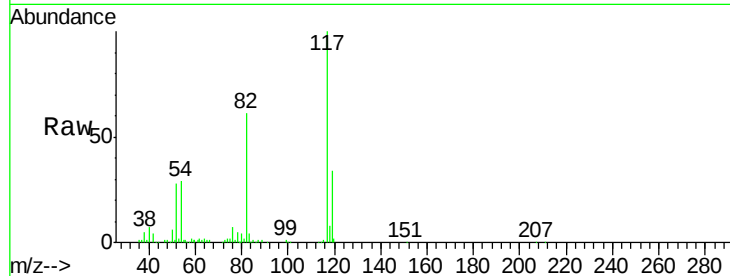




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF059597.D
Acq: 20 Jul 2018 22:49

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.1	46.1	69.1
119	33.9	27.2	40.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VF059597.D
Acq: 20 Jul 2018 22:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	27.8	83.3
150	152.4	0.0	318.4

