

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\
 Data File : VF059528.D
 Acq On : 18 Jul 2018 22:38
 Operator : VA/AP
 Sample : J4019-01
 Misc : 6.04g/5mL/MSVOA F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 19 01:36:10 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

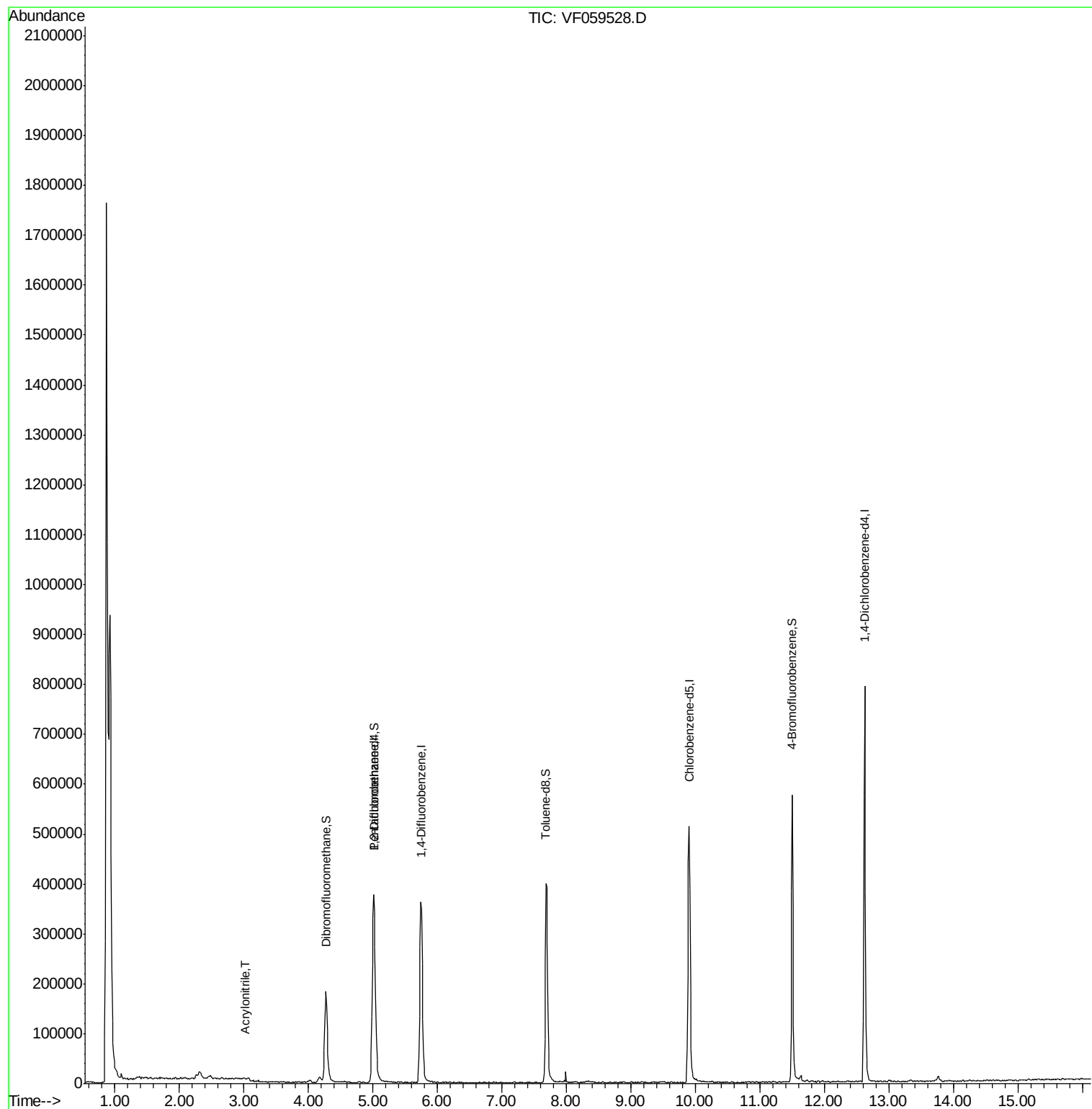
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	244815	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.74	114	372198	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.90	117	354871	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.63	152	194400	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	199986	52.52	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	105.04%	
35) Dibromofluoromethane	4.28	113	166573	51.67	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	103.34%	
50) Toluene-d8	7.70	98	339254	41.78	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	83.56%	
62) 4-Bromofluorobenzene	11.50	95	188778	44.32	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	88.64%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.69	59	578	Below Cal	#	74
13) Acrolein	2.10	56	662	Below Cal	#	71
15) Acrylonitrile	3.01	53	496	1.553	ug/l	88
16) Acetone	2.48	43	1027	Below Cal		96
18) Methyl Acetate	2.48	43	2023	Below Cal	#	67
20) Methylene Chloride	2.31	84	4717	Below Cal		94
29) Tetrahydrofuran	4.27	42	866	Below Cal	#	38
37) Ethyl Acetate	4.31	43	195	Below Cal	#	41
49) 1,4-Dioxane	6.73	88	112	Below Cal	#	15

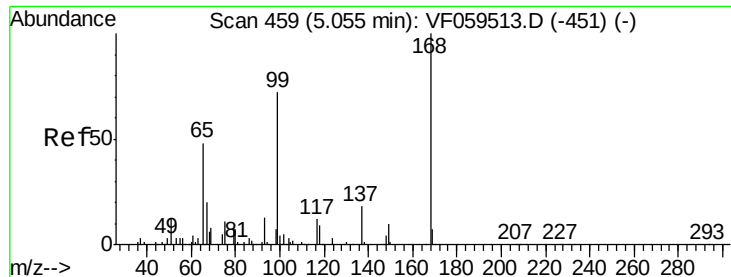
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 19 01:36:10 2018
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: 5.03 min Scan# 456

Delta R.T. -0.03 min

Lab File: VF059528.D

Acq: 18 Jul 2018 22:38

Instrument :

MSVOA_F

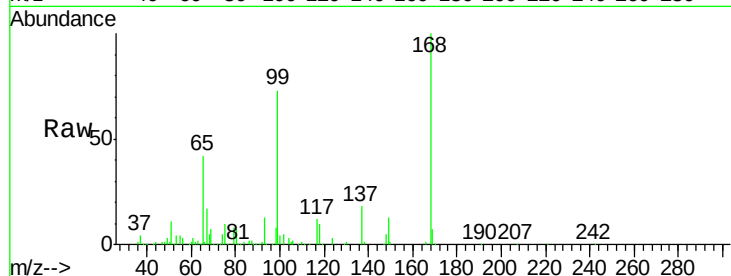
ClientSampleId :

Tot Ion:168 Resp: 244815

Ion Ratio Lower Upper

168 100

99 73.1 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

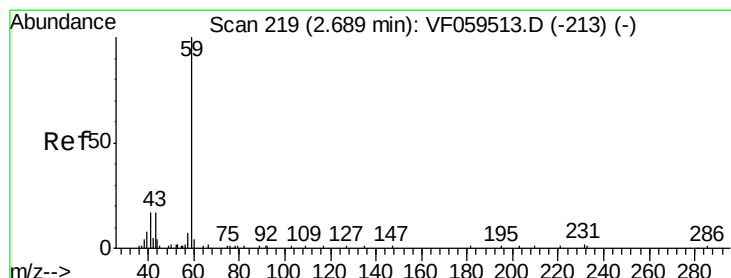
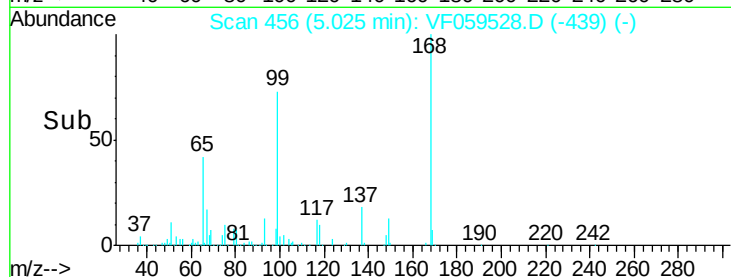
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.69 min Scan# 219

Delta R.T. -0.00 min

Lab File: VF059528.D

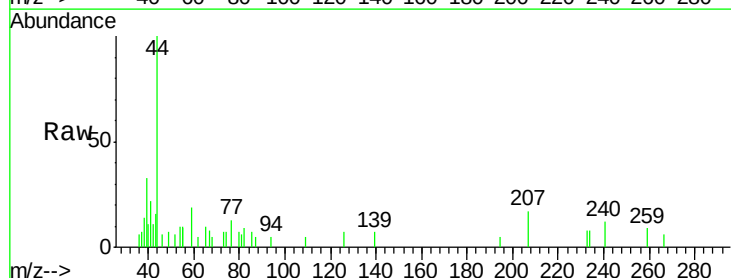
Acq: 18 Jul 2018 22:38

Tgt Ion: 59 Resp: 578

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

2.69

400

300

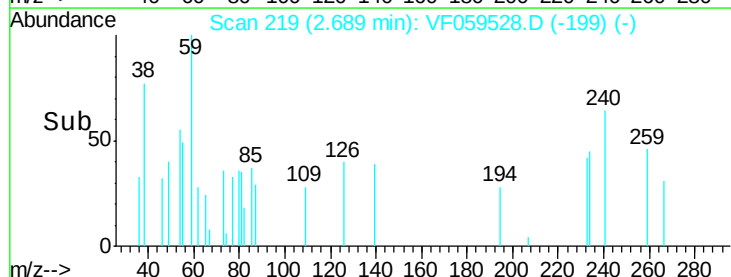
200

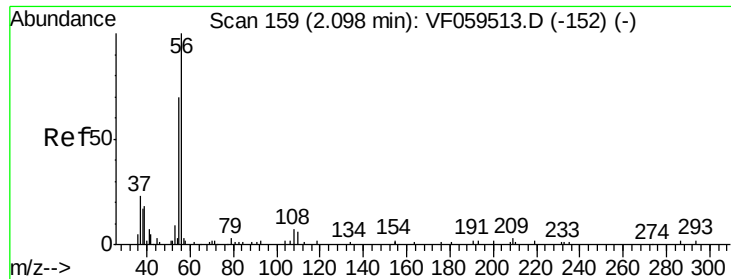
100

0

Time-->

2.64 2.66 2.68 2.70 2.72

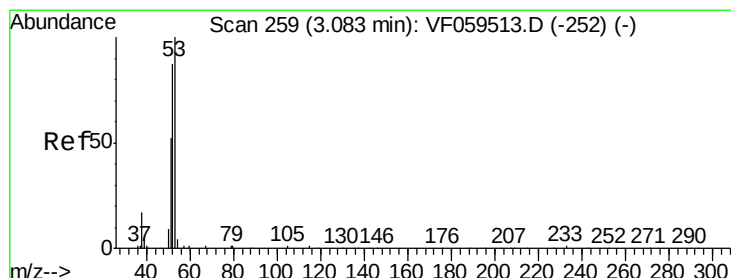
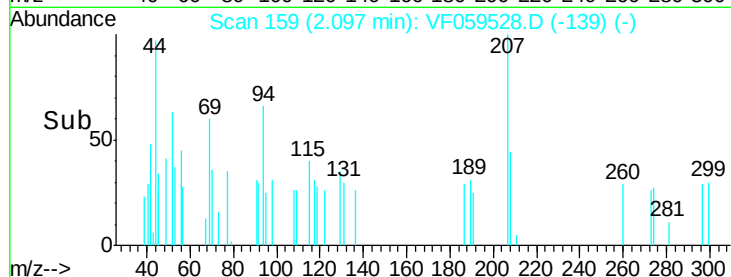
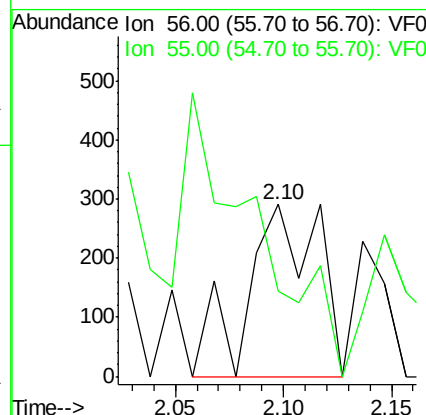
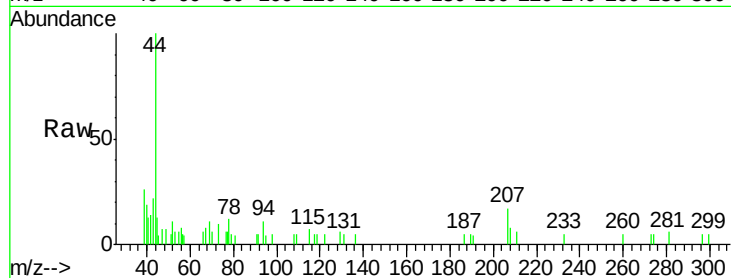




#13
Acrolein
Concen: Below Cal
RT: 2.10 min Scan# 159
Delta R.T. 0.00 min
Lab File: VF059528.D
Acq: 18 Jul 2018 22:38

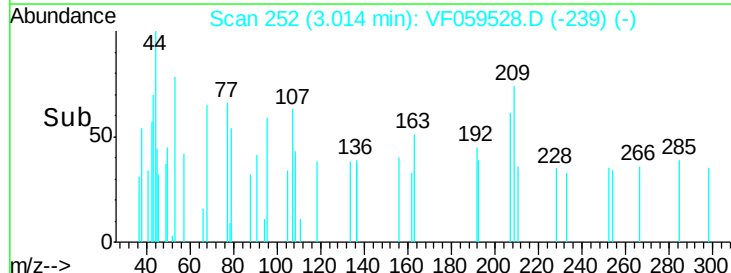
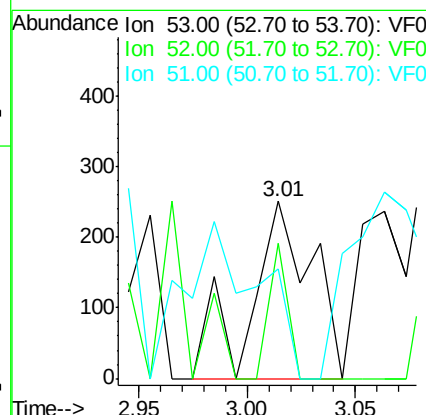
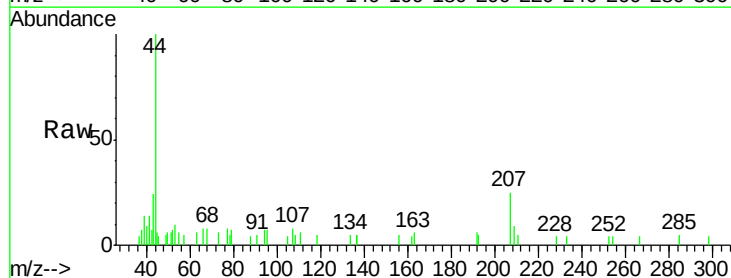
Instrument :
MSVOA_F
ClientSampled :

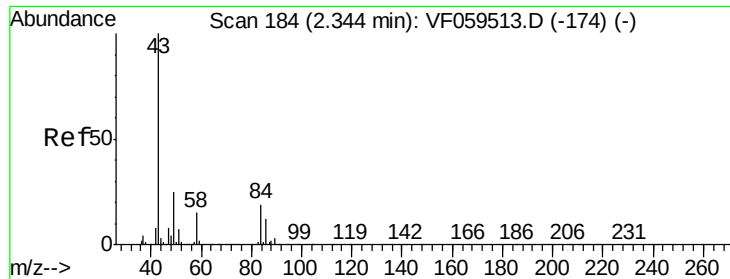
Tot Ion: 56 Resp: 662
Ion Ratio Lower Upper
56 100
55 49.8 59.4 89.2#



#15
Acrylonitrile
Concen: 1.553 ug/l
RT: 3.01 min Scan# 252
Delta R.T. -0.07 min
Lab File: VF059528.D
Acq: 18 Jul 2018 22:38

Tgt Ion: 53 Resp: 496
Ion Ratio Lower Upper
53 100
52 76.5 70.1 105.1
51 61.8 42.5 63.7





#16

Acetone

Concen: Below Cal

RT: 2.48 min Scan# 198

Delta R.T. 0.14 min

Lab File: VF059528.D

Acq: 18 Jul 2018 22:38

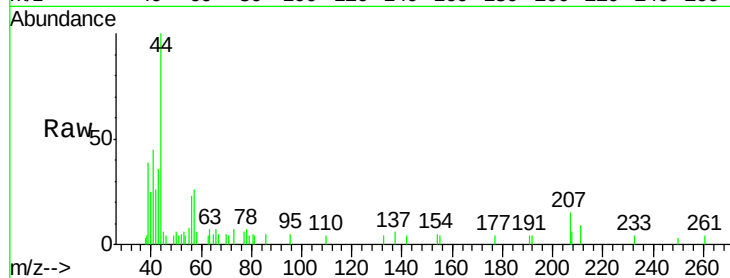
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 1027

Ion Ratio Lower Upper

43 100

58 16.1 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.48

1200

1000

800

600

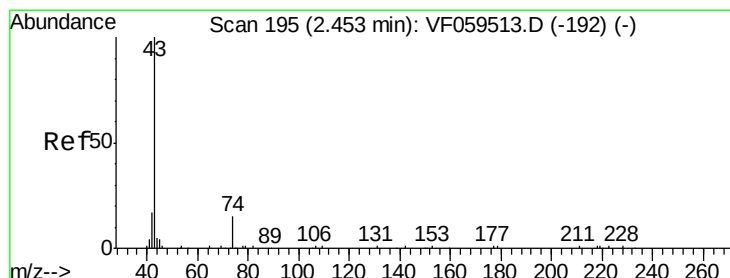
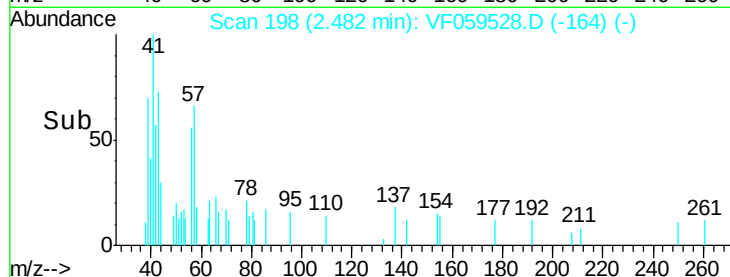
400

200

0

Time-->

2.45 2.50



#18

Methyl Acetate

Concen: Below Cal

RT: 2.48 min Scan# 198

Delta R.T. 0.03 min

Lab File: VF059528.D

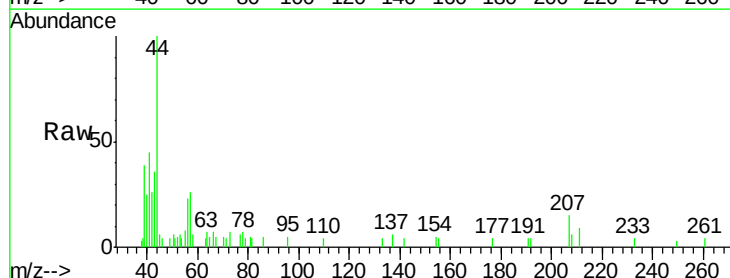
Acq: 18 Jul 2018 22:38

Tgt Ion: 43 Resp: 2023

Ion Ratio Lower Upper

43 100

74 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

2.48

1200

1000

800

600

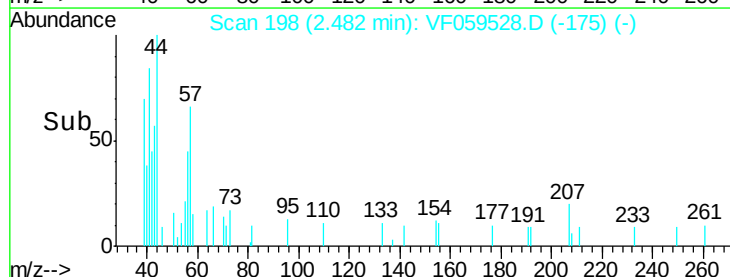
400

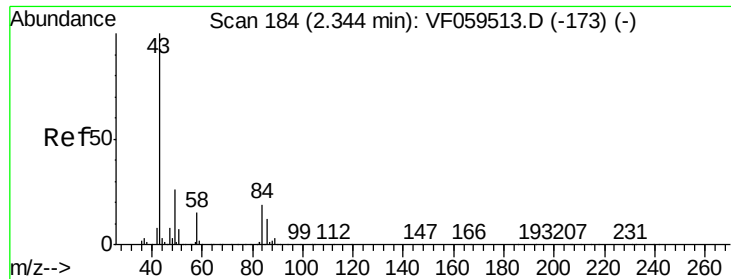
200

0

Time-->

2.40 2.45 2.50 2.55

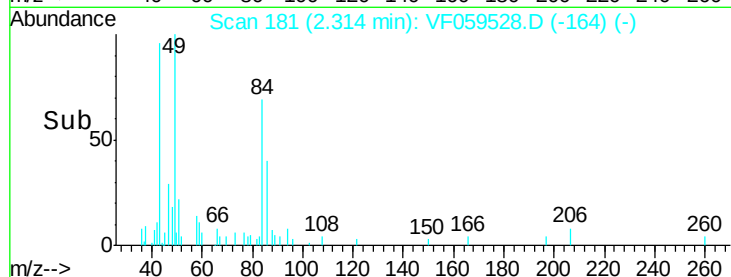
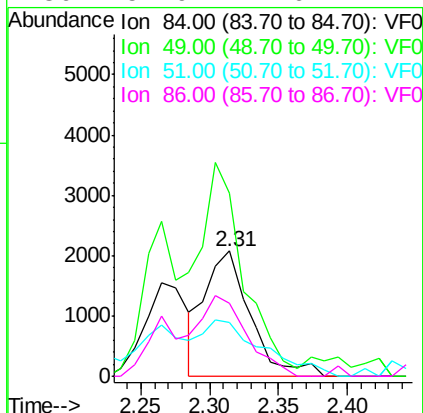
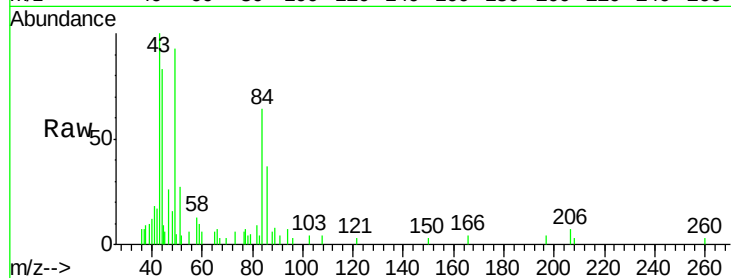




#20
Methylene Chloride
Concen: Below Cal
RT: 2.31 min Scan# 181
Delta R.T. -0.03 min
Lab File: VF059528.D
Acq: 18 Jul 2018 22:38

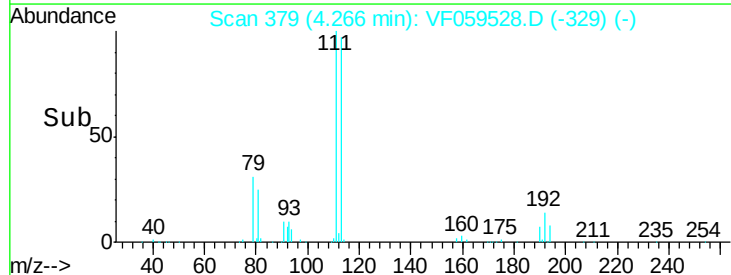
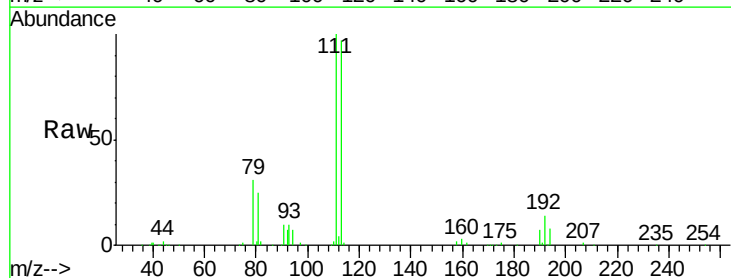
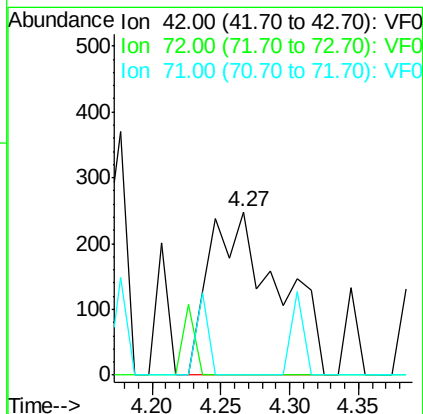
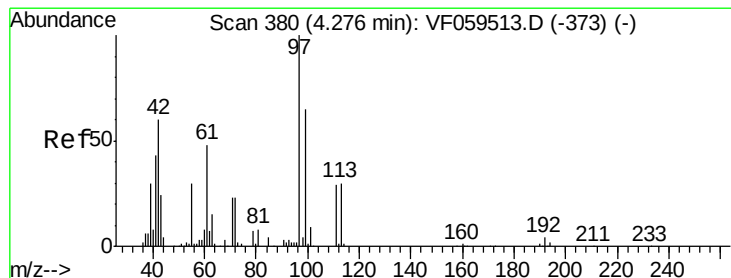
Instrument :
MSVOA_F
ClientSampleId :

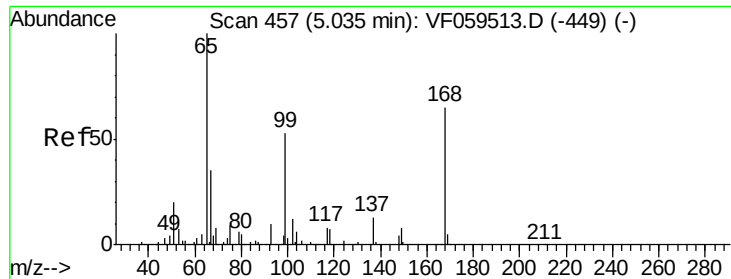
Tot Ion:	84	Resp:	4717
Ion	Ratio	Lower	Upper
84	100		
49	145.6	109.4	164.2
51	43.2	30.5	45.7
86	57.9	47.6	71.4



#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059528.D
Acq: 18 Jul 2018 22:38

Tgt Ion:	42	Resp:	866
Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.7	43.1#
71	0.0	30.8	46.2#

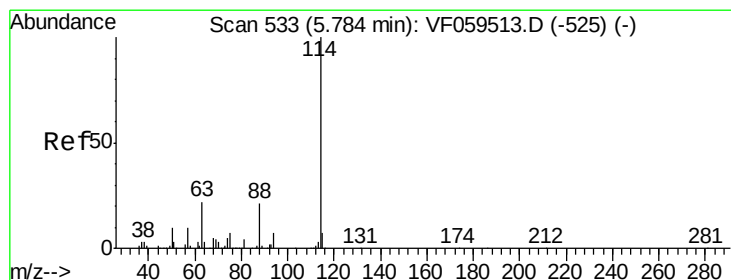
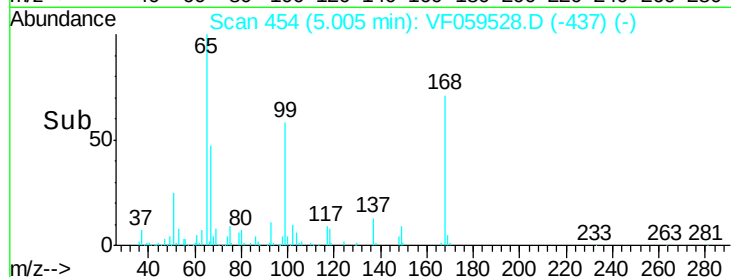
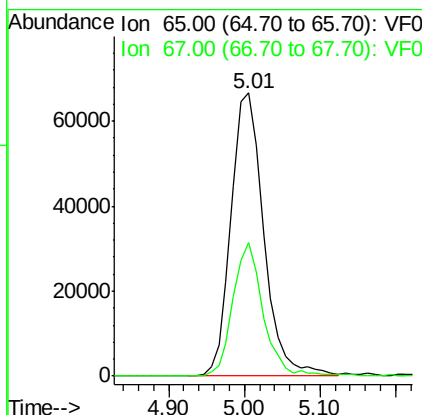
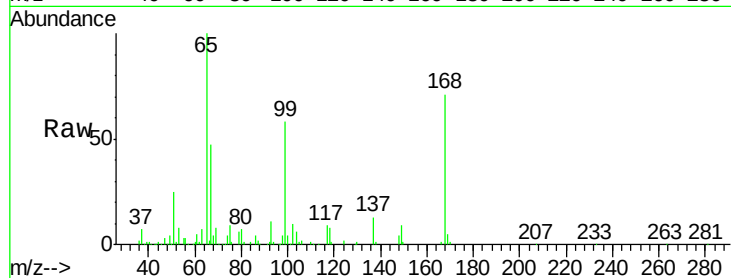




#33
 1,2-Dichloroethane-d4
 Concen: 52.524 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.03 min
 Lab File: VF059528.D
 Acq: 18 Jul 2018 22:38

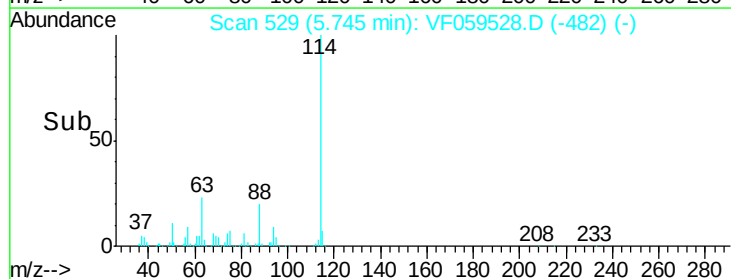
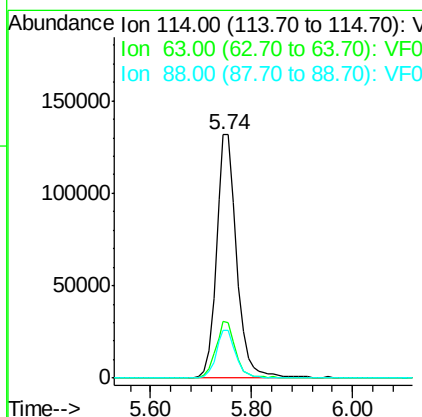
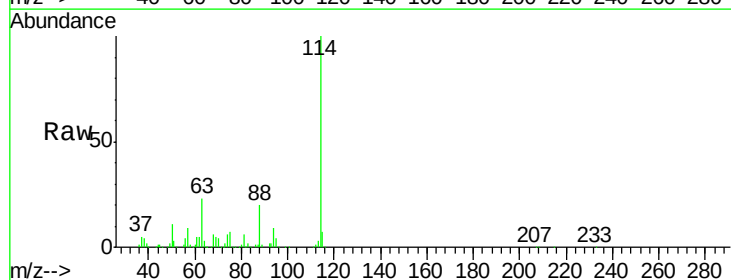
Instrument :
 MSVOA_F
 ClientSampleId :

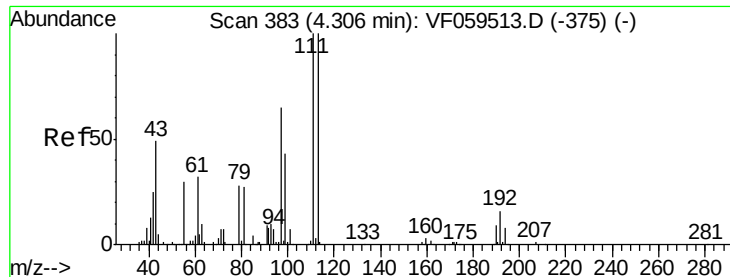
Tot Ion: 65 Resp: 199986
 Ion Ratio Lower Upper
 65 100
 67 47.1 0.0 91.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.74 min Scan# 529
 Delta R.T. -0.04 min
 Lab File: VF059528.D
 Acq: 18 Jul 2018 22:38

Tgt Ion: 114 Resp: 372198
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 44.8
 88 19.8 0.0 42.6





#35

Dibromofluoromethane

Concen: 51.674 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.03 min

Lab File: VF059528.D

Acq: 18 Jul 2018 22:38

Instrument :
MSVOA_F
ClientSampleId :

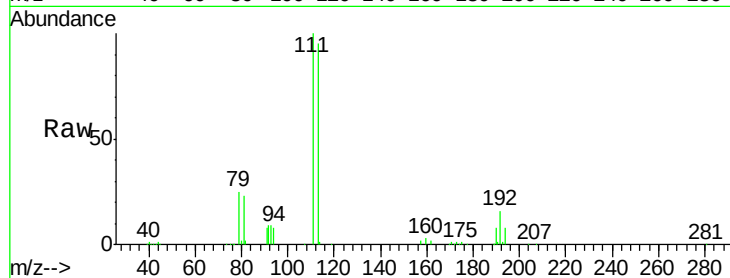
Tot Ion:113 Resp: 166573

Ion Ratio Lower Upper

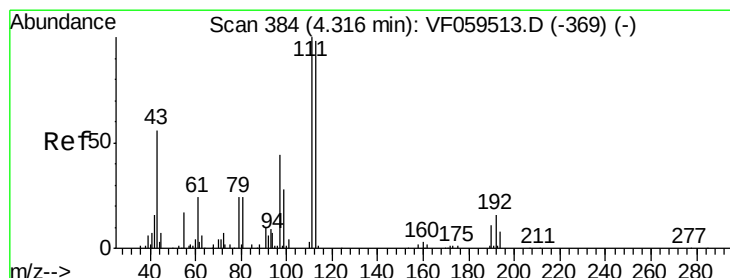
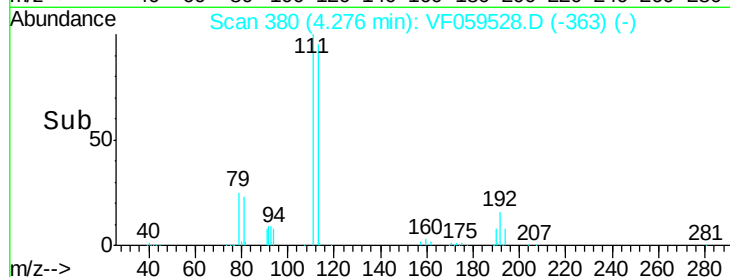
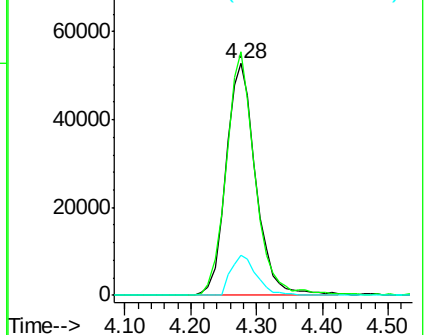
113 100

111 104.9 80.3 120.5

192 17.1 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: VF059528.D

Acq: 18 Jul 2018 22:38

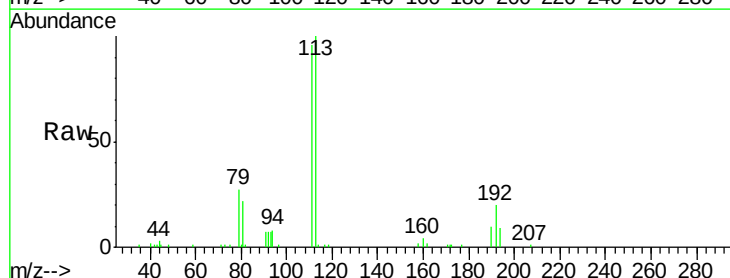
Tgt Ion: 43 Resp: 195

Ion Ratio Lower Upper

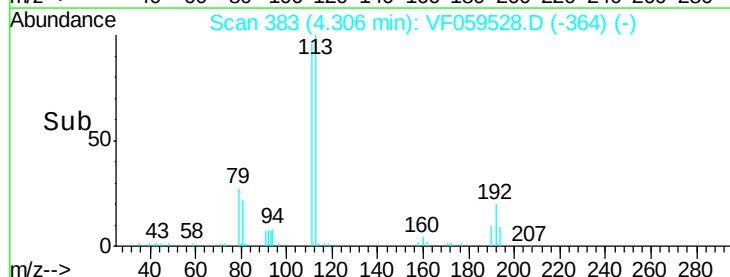
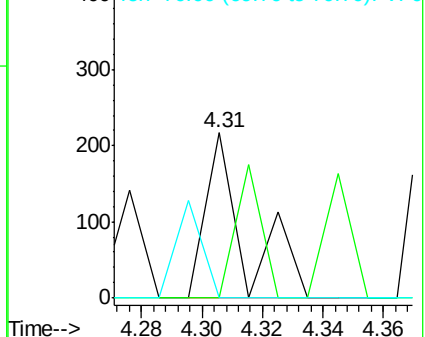
43 100

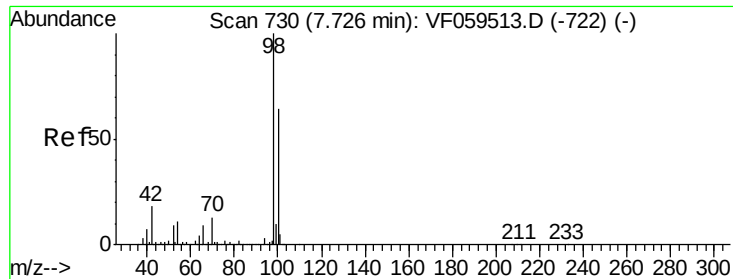
61 0.0 33.7 50.5#

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

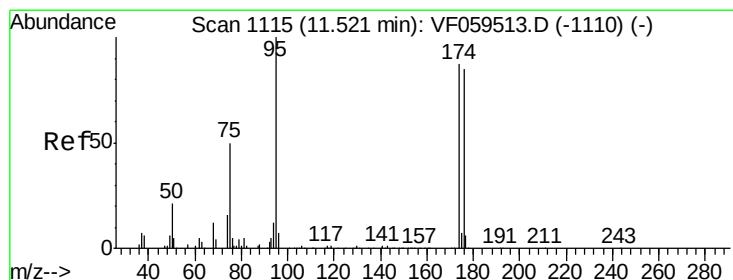
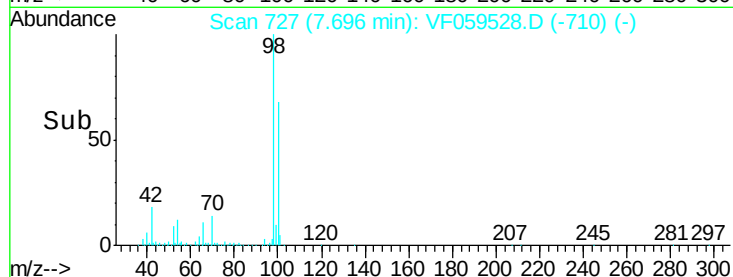
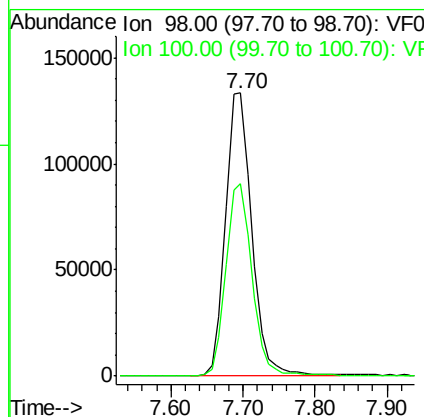
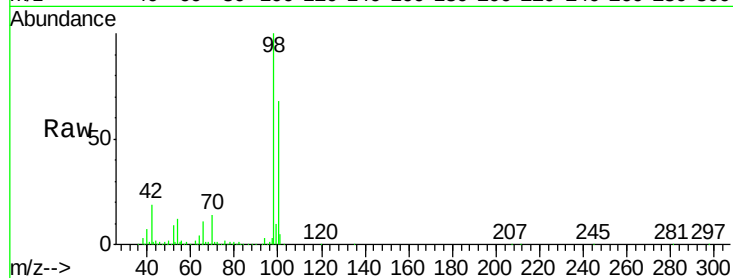




#50
Toluene-d8
Concen: 41.781 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.03 min
Lab File: VF059528.D
Acq: 18 Jul 2018 22:38

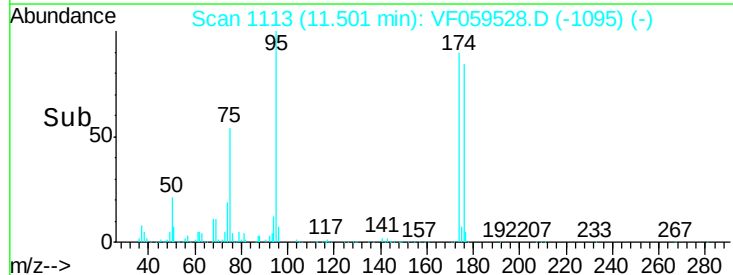
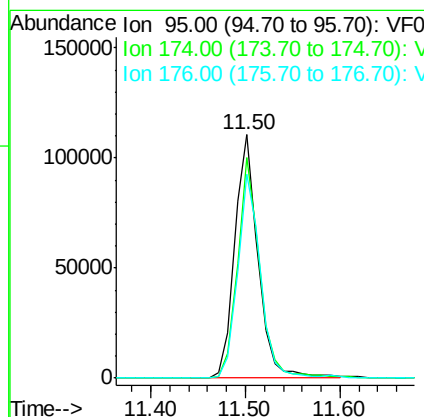
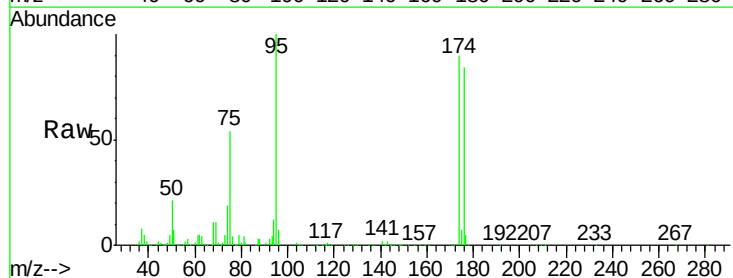
Instrument :
MSVOA_F
ClientSampleId :

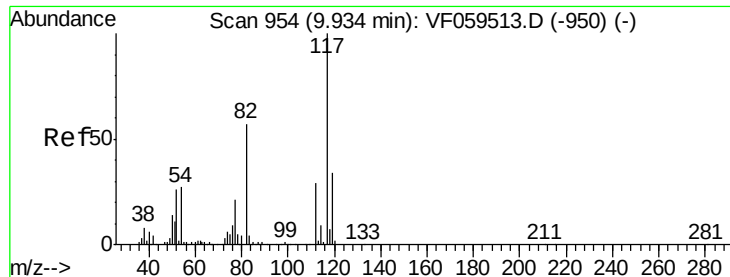
Tot Ion: 98 Resp: 339254
Ion Ratio Lower Upper
98 100
100 67.9 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 44.318 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.02 min
Lab File: VF059528.D
Acq: 18 Jul 2018 22:38

Tgt Ion: 95 Resp: 188778
Ion Ratio Lower Upper
95 100
174 90.4 0.0 174.4
176 83.6 0.0 169.4

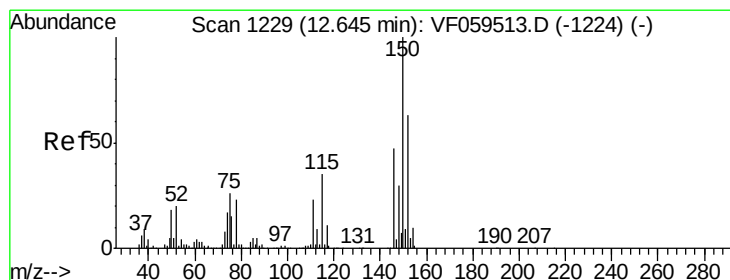
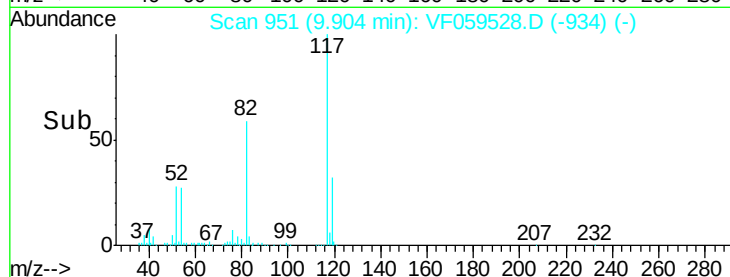
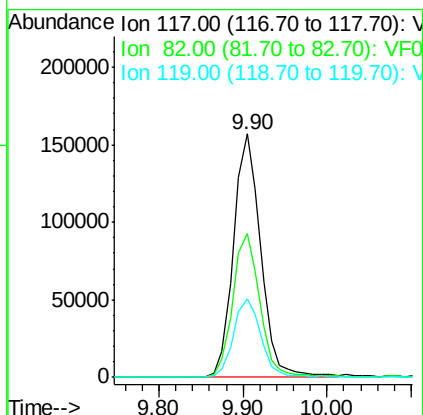
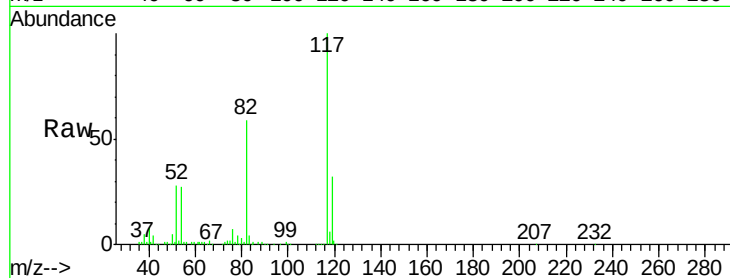




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.03 min
Lab File: VF059528.D
Acq: 18 Jul 2018 22:38

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 354871
Ion Ratio Lower Upper
117 100
82 59.0 46.1 69.1
119 32.1 27.2 40.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.02 min
Lab File: VF059528.D
Acq: 18 Jul 2018 22:38

Tgt Ion:152 Resp: 194400
Ion Ratio Lower Upper
152 100
115 58.9 27.8 83.3
150 159.6 0.0 318.4

