

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071018\
 Data File : VF059499.D
 Acq On : 10 Jul 2018 22:06
 Operator : VA/AP
 Sample : J3880-14RE
 Misc : 4.98g/5mL/MSVOA F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 11 00:58:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 06:35:36 2018
 Response via : Initial Calibration

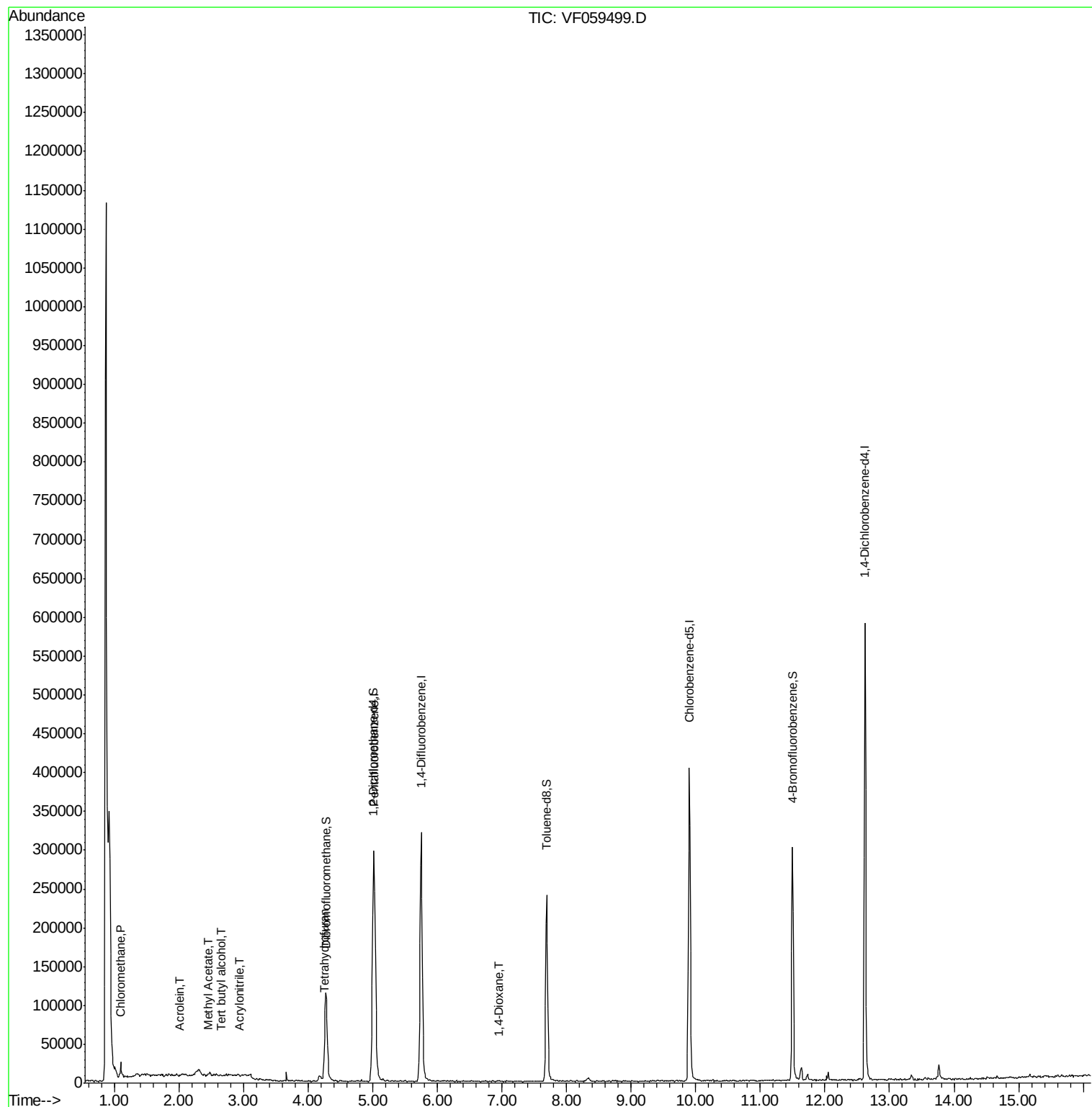
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	203536	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.75	114	301441	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.90	117	268820	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	137805	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	113688	32.11	ug/l	0.02
Spiked Amount 50.000			Recovery	=	64.22%	
35) Dibromofluoromethane	4.27	113	97285	33.64	ug/l	0.02
Spiked Amount 50.000			Recovery	=	67.28%	
50) Toluene-d8	7.69	98	181479	26.67	ug/l	0.02
Spiked Amount 50.000			Recovery	=	53.34%	
62) 4-Bromofluorobenzene	11.50	95	95414	25.14	ug/l	0.02
Spiked Amount 50.000			Recovery	=	50.28%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.10	50	1650	1.167	ug/l #	86
11) Tert butyl alcohol	2.65	59	613	3.801	ug/l #	73
13) Acrolein	1.99	56	147	1.176	ug/l	89
15) Acrylonitrile	2.94	53	745	2.530	ug/l	92
18) Methyl Acetate	2.45	43	2597	2.112	ug/l #	87
20) Methylene Chloride	2.27	84	2563	Below Cal	#	77
29) Tetrahydrofuran	4.24	42	651	1.925	ug/l #	75
49) 1,4-Dioxane	6.95	88	170	24.541	ug/l #	15

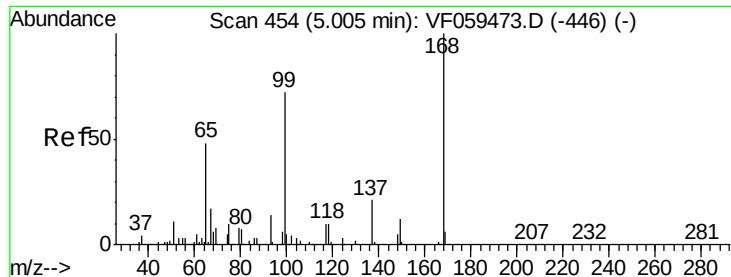
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jul 07 06:35:36 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.02 min

Lab File: VF059499.D

Acq: 10 Jul 2018 22:06

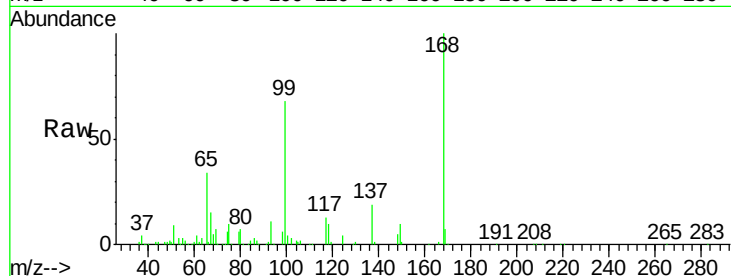
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 203536

Ion Ratio Lower Upper

168 100

99 68.4 57.7 86.5



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

80000

60000

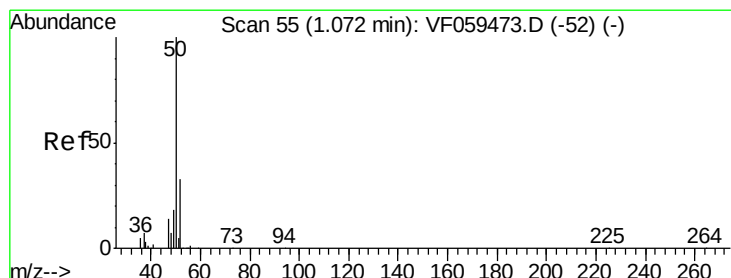
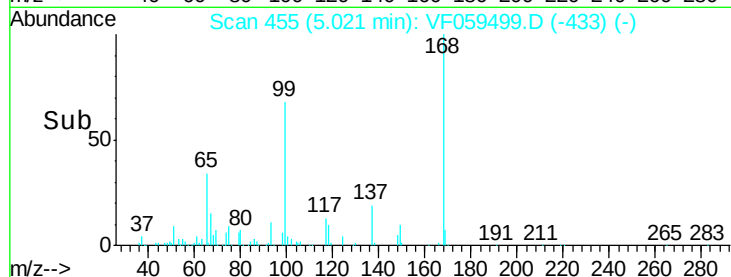
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#3

Chloromethane

Concen: 1.167 ug/l

RT: 1.10 min Scan# 57

Delta R.T. 0.03 min

Lab File: VF059499.D

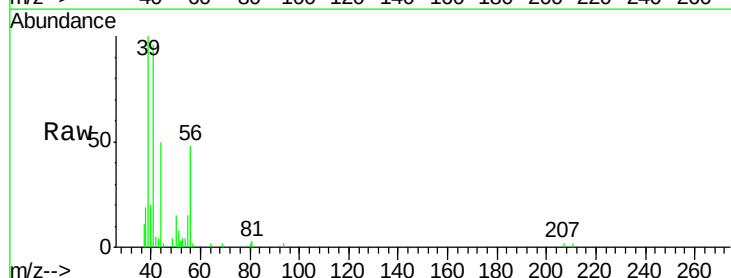
Acq: 10 Jul 2018 22:06

Tgt Ion: 50 Resp: 1650

Ion Ratio Lower Upper

50 100

52 40.2 25.9 38.9#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.10

1000

800

600

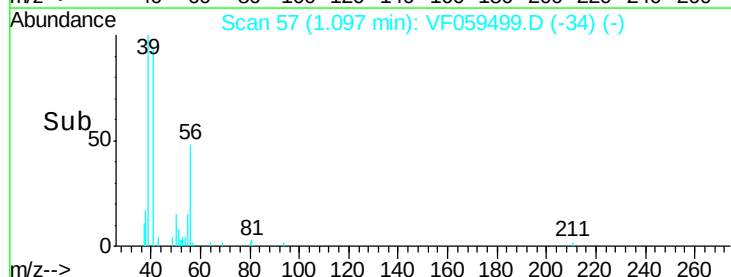
400

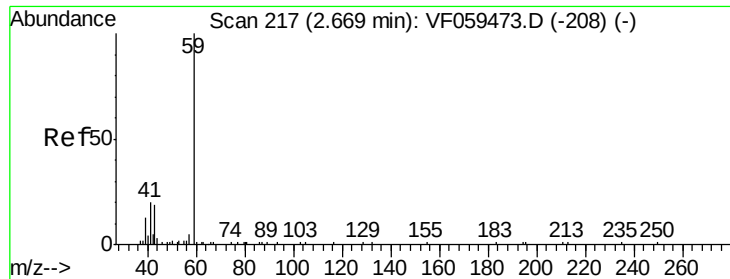
200

0

1.00 1.05 1.10 1.15

Time-->



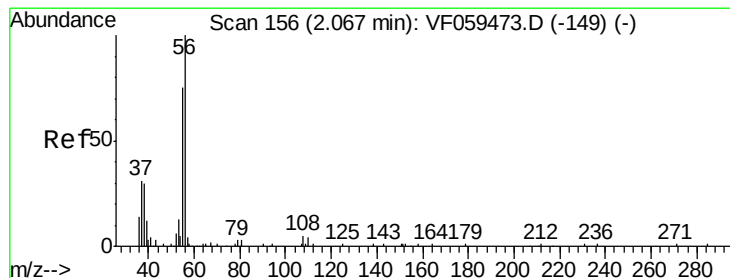
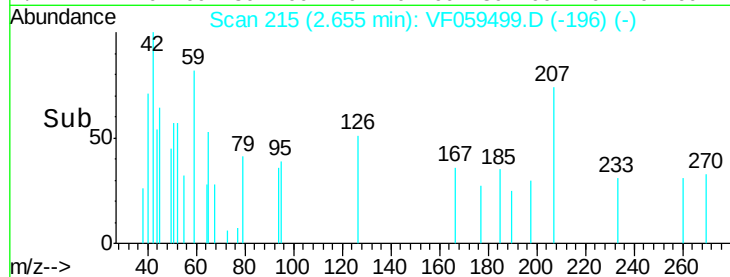
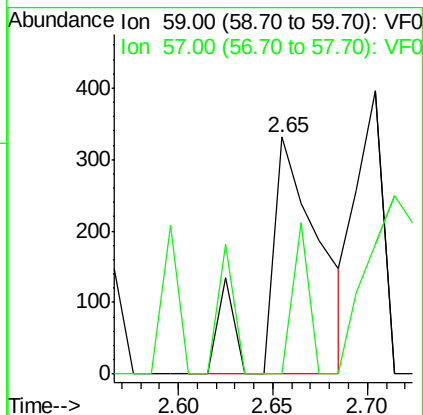
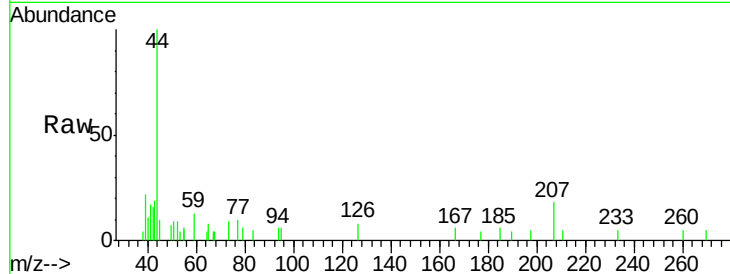


#11

Tert butyl alcohol
Concen: 3.801 ug/l
RT: 2.65 min Scan# 215
Delta R.T. -0.01 min
Lab File: VF059499.D
Acq: 10 Jul 2018 22:06

Instrument :
MSVOA_F
ClientSampled :

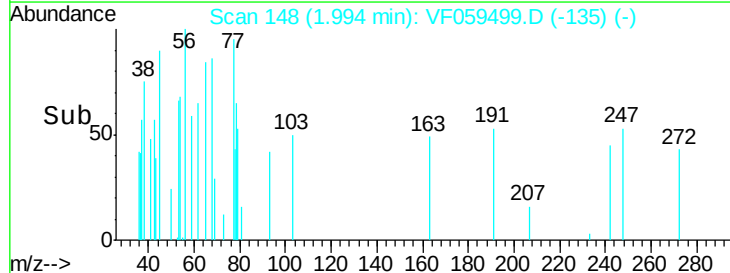
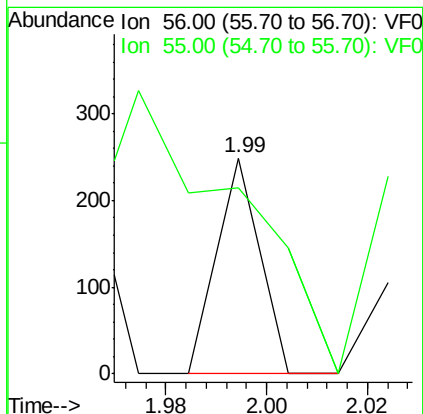
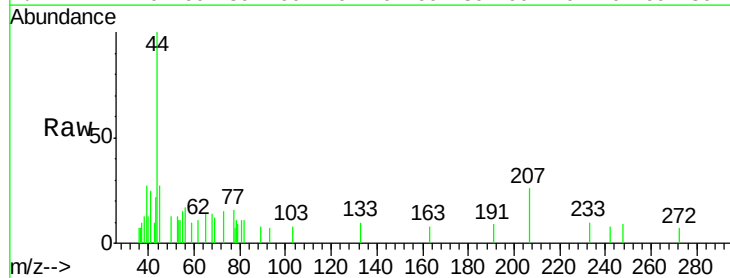
Tot Ion: 59 Resp: 613
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

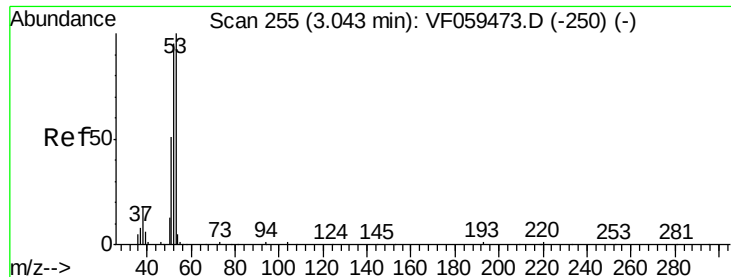


#13

Acrolein
Concen: 1.176 ug/l
RT: 1.99 min Scan# 148
Delta R.T. -0.07 min
Lab File: VF059499.D
Acq: 10 Jul 2018 22:06

Tgt Ion: 56 Resp: 147
Ion Ratio Lower Upper
56 100
55 86.3 61.2 91.8





#15

Acrylonitrile

Concen: 2.530 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.10 min

Lab File: VF059499.D

Acq: 10 Jul 2018 22:06

Instrument :
MSVOA_F
ClientSampleId :

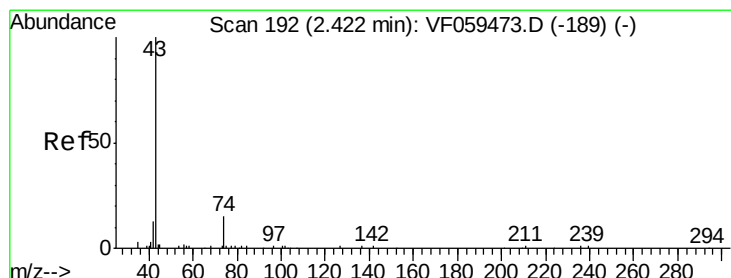
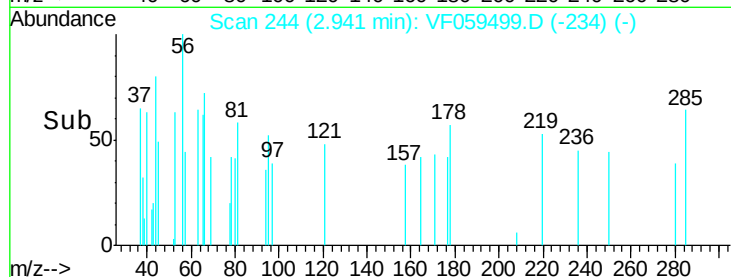
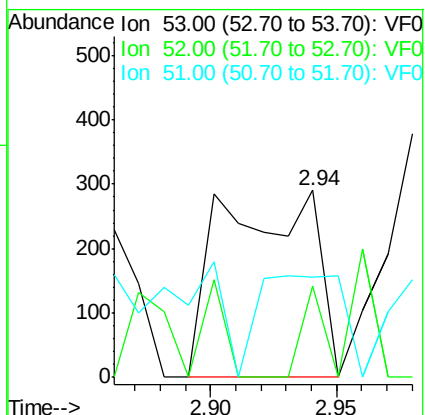
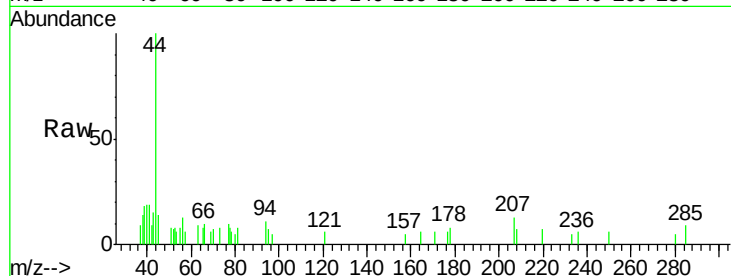
Tot Ion: 53 Resp: 745

Ion Ratio Lower Upper

53 100

52 106.6 76.8 115.2

51 53.4 41.8 62.8



#18

Methyl Acetate

Concen: 2.112 ug/l

RT: 2.45 min Scan# 194

Delta R.T. 0.03 min

Lab File: VF059499.D

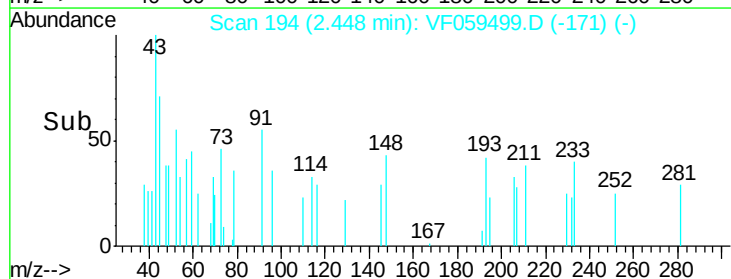
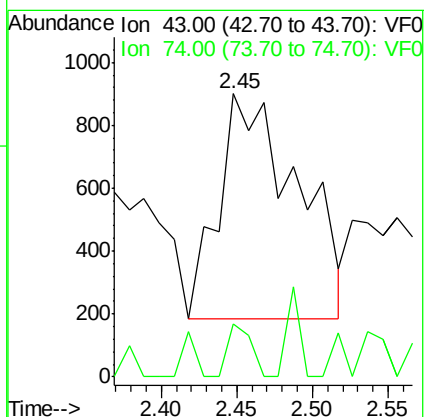
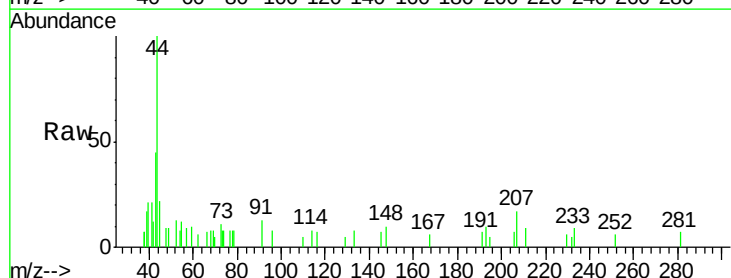
Acq: 10 Jul 2018 22:06

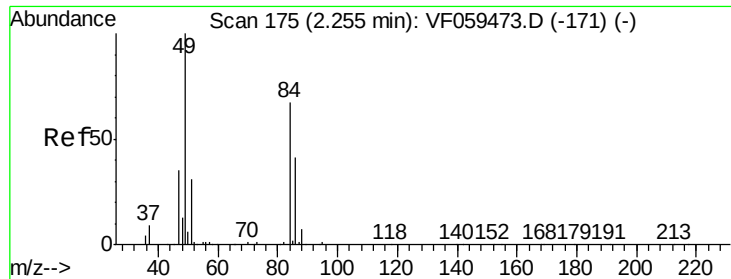
Tgt Ion: 43 Resp: 2597

Ion Ratio Lower Upper

43 100

74 18.7 10.8 16.2#

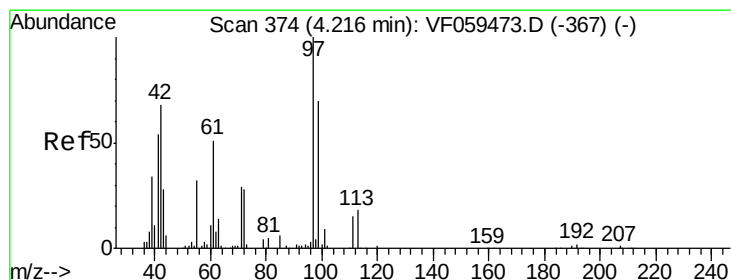
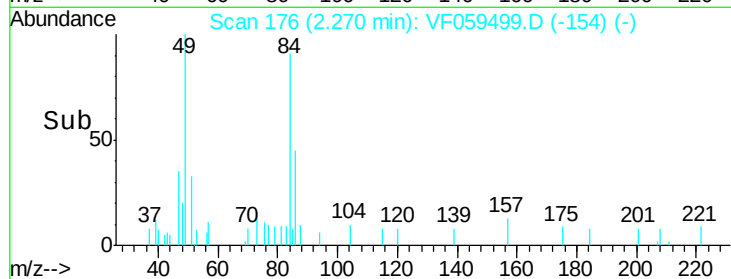
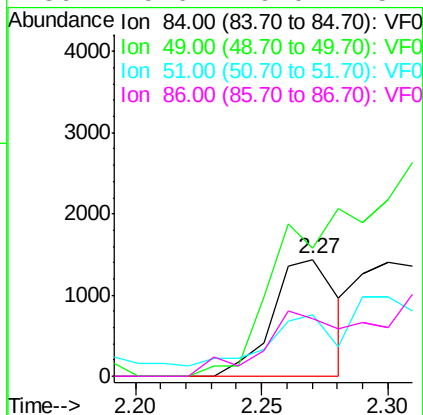
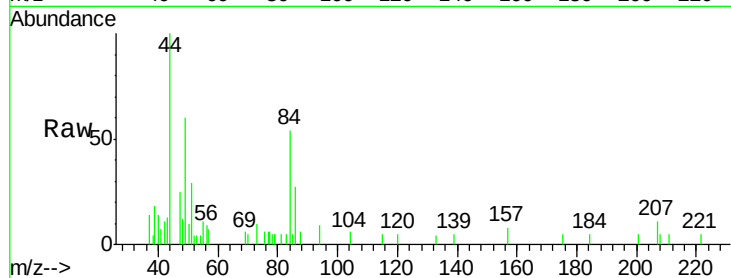




#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 176
Delta R.T. 0.02 min
Lab File: VF059499.D
Acq: 10 Jul 2018 22:06

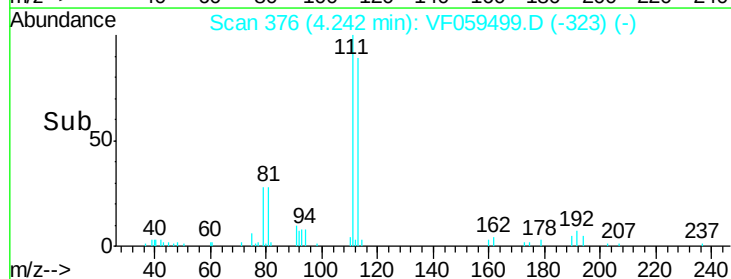
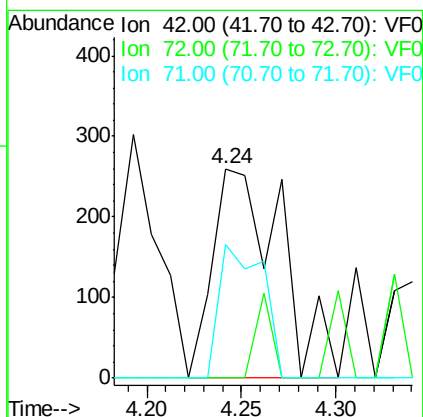
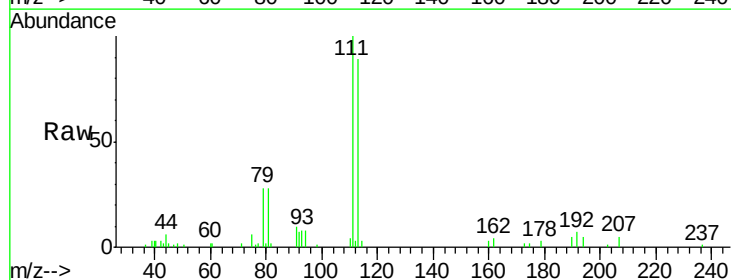
Instrument :
MSVOA_F
ClientSampled :

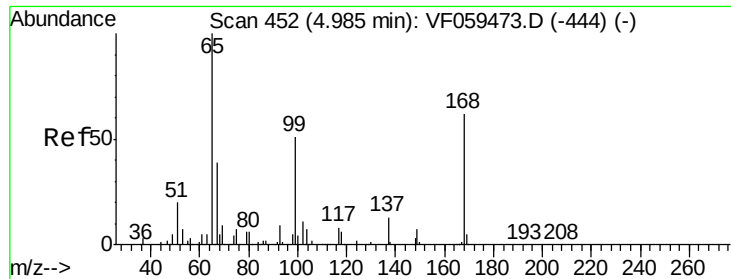
Tot Ion:	84	Resp:	2563
Ion	Ratio	Lower	Upper
84	100		
49	110.4	120.4	180.6#
51	52.7	38.1	57.1
86	49.6	49.0	73.4



#29
Tetrahydrofuran
Concen: 1.925 ug/l
RT: 4.24 min Scan# 376
Delta R.T. 0.03 min
Lab File: VF059499.D
Acq: 10 Jul 2018 22:06

Tgt Ion:	42	Resp:	651
Ion	Ratio	Lower	Upper
42	100		
72	9.7	29.2	43.8#
71	40.4	30.1	45.1

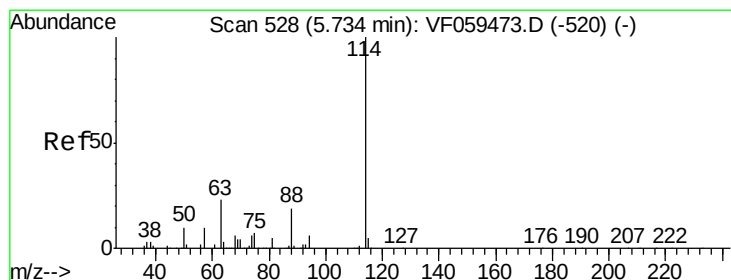
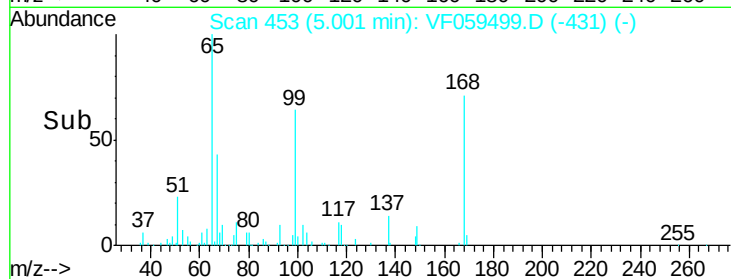
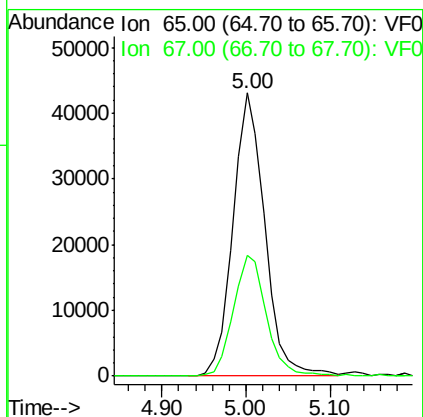
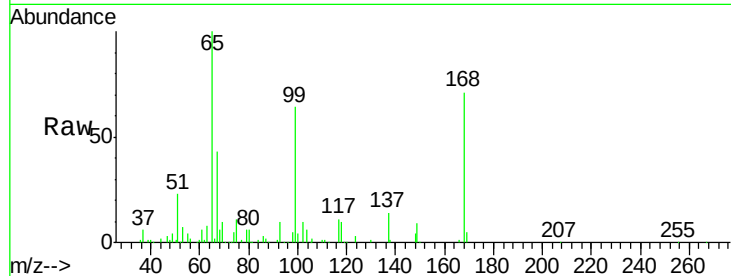




#33
 1,2-Dichloroethane-d4
 Concen: 32.114 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. 0.02 min
 Lab File: VF059499.D
 Acq: 10 Jul 2018 22:06

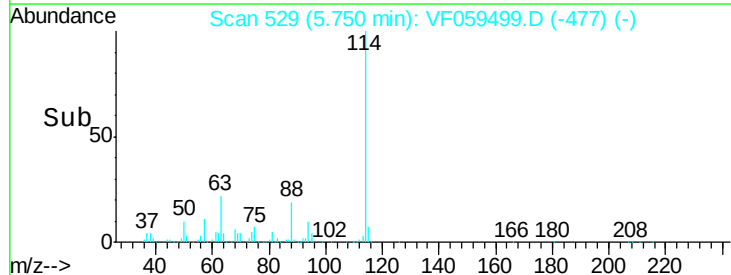
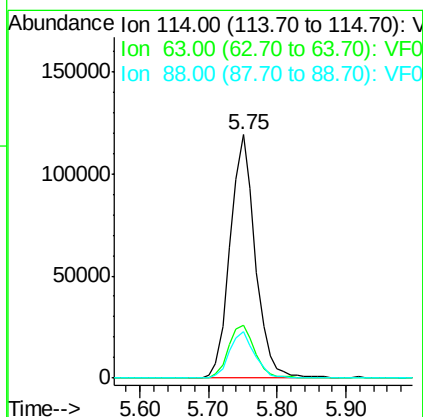
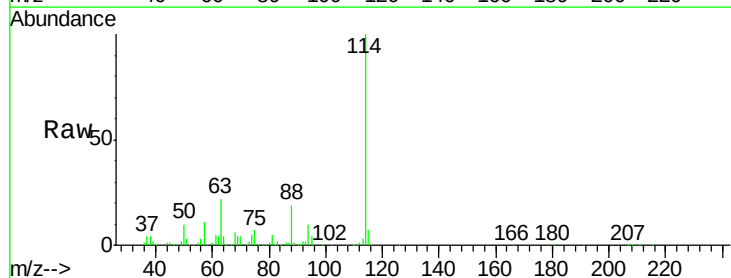
Instrument :
 MSVOA_F
 ClientSampleId :

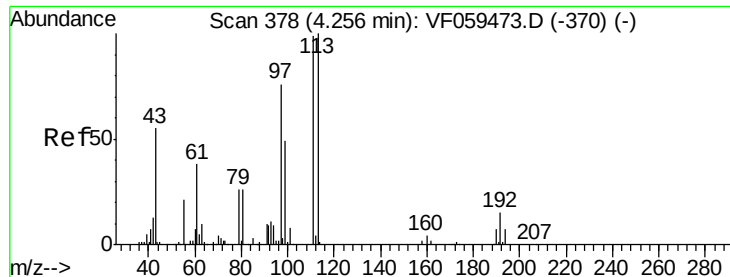
Tot Ion: 65 Resp: 113688
 Ion Ratio Lower Upper
 65 100
 67 42.7 0.0 88.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. 0.02 min
 Lab File: VF059499.D
 Acq: 10 Jul 2018 22:06

Tgt Ion: 114 Resp: 301441
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 47.2
 88 19.1 0.0 38.0





#35

Dibromofluoromethane

Concen: 33.635 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.02 min

Lab File: VF059499.D

Acq: 10 Jul 2018 22:06

Instrument :
MSVOA_F
ClientSampleId :

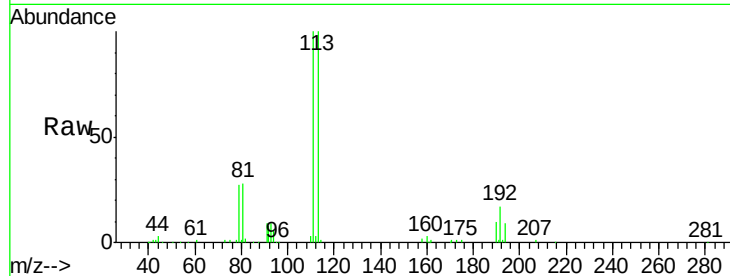
Tot Ion:113 Resp: 97285

Ion Ratio Lower Upper

113 100

111 100.0 79.3 118.9

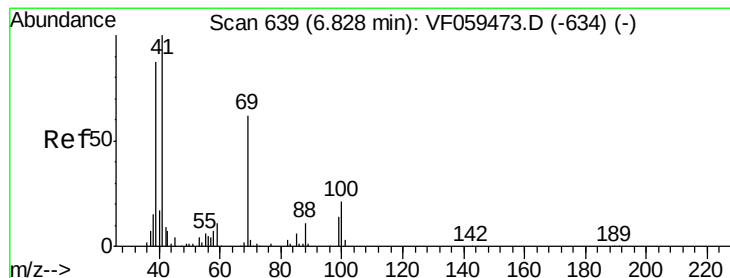
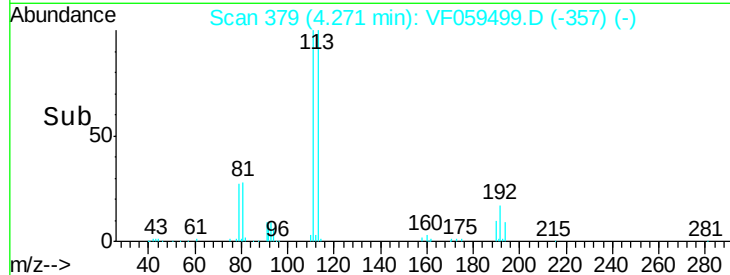
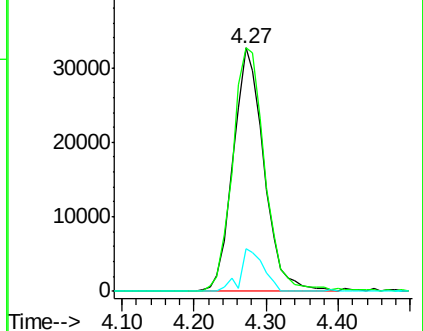
192 17.5 12.0 18.0



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



#49

1,4-Dioxane

Concen: 24.541 ug/l

RT: 6.95 min Scan# 651

Delta R.T. 0.12 min

Lab File: VF059499.D

Acq: 10 Jul 2018 22:06

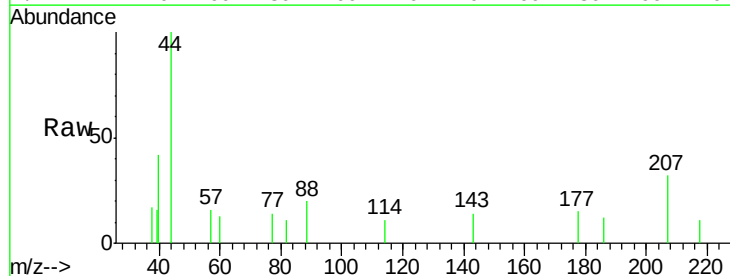
Tgt Ion: 88 Resp: 170

Ion Ratio Lower Upper

88 100

43 0.0 57.3 85.9#

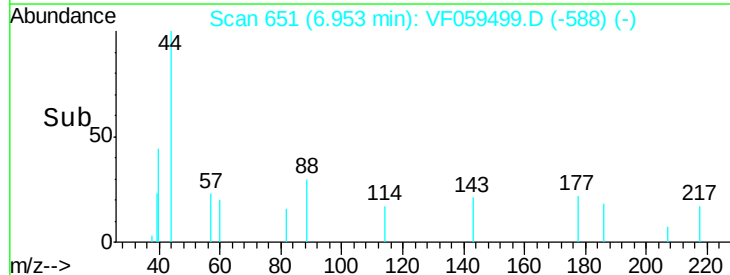
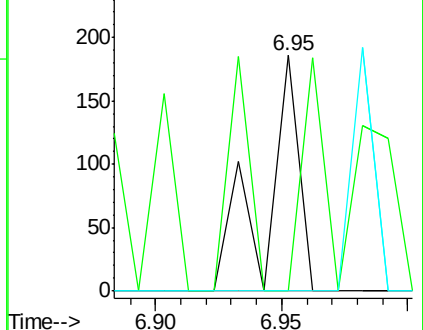
58 0.0 54.6 81.8#

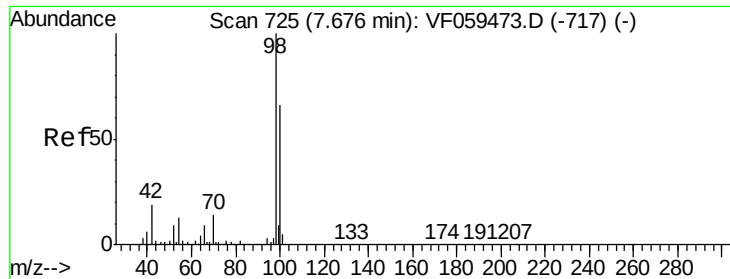


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

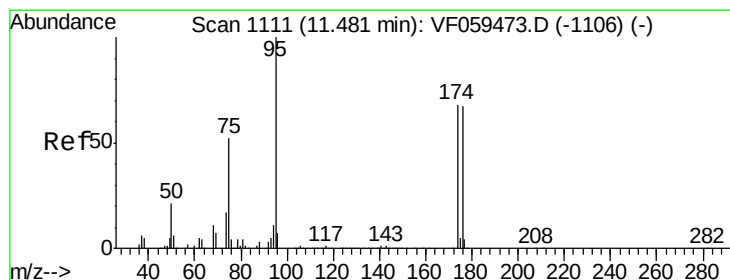
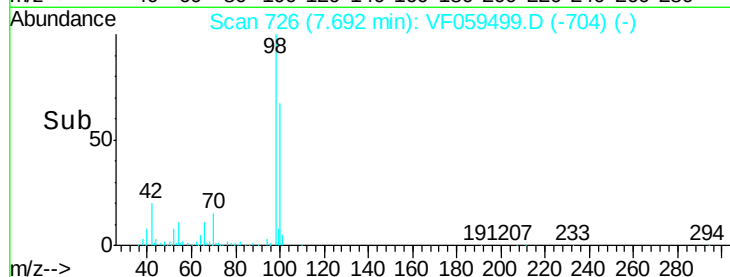
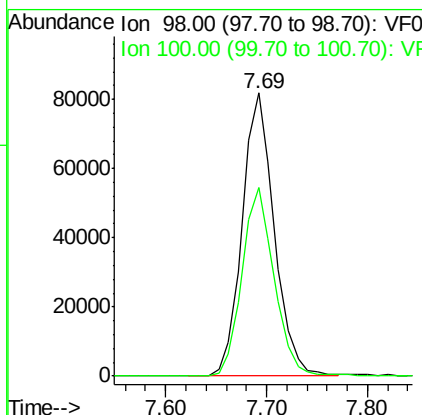
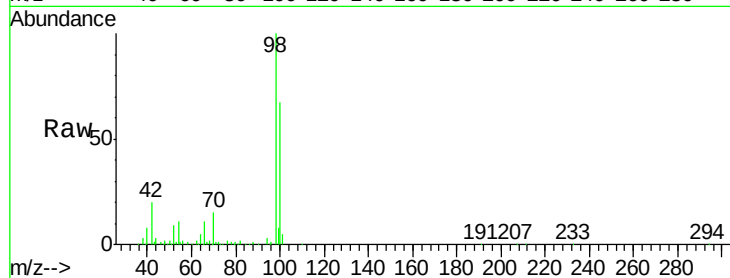




#50
Toluene-d8
Concen: 26.672 ug/l
RT: 7.69 min Scan# 726
Delta R.T. 0.02 min
Lab File: VF059499.D
Acq: 10 Jul 2018 22:06

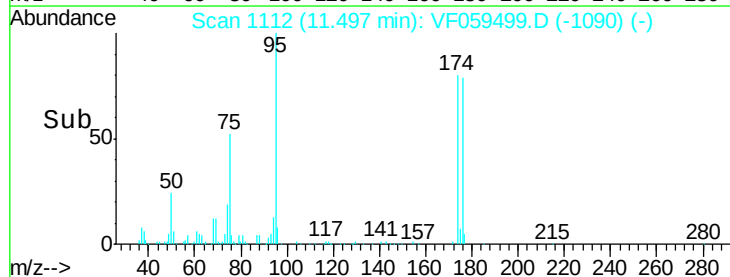
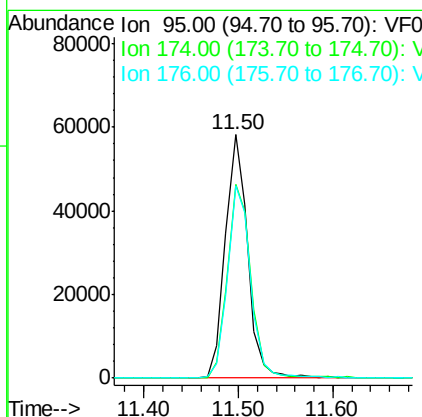
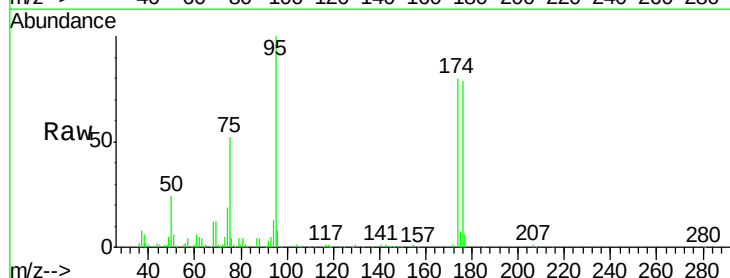
Instrument :
MSVOA_F
ClientSampleId :

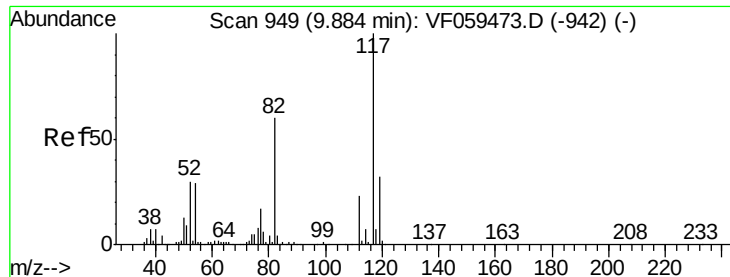
Tot Ion: 98 Resp: 181479
Ion Ratio Lower Upper
98 100
100 66.9 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 25.138 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VF059499.D
Acq: 10 Jul 2018 22:06

Tgt Ion: 95 Resp: 95414
Ion Ratio Lower Upper
95 100
174 79.7 0.0 137.0
176 78.9 0.0 133.8

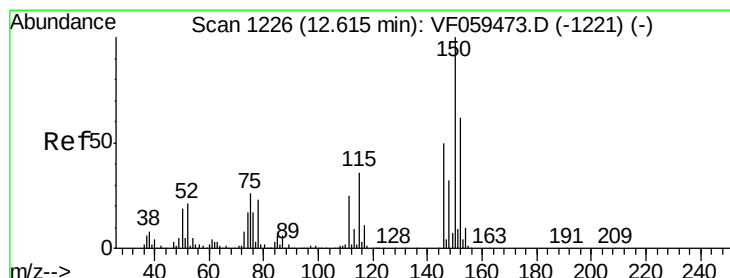
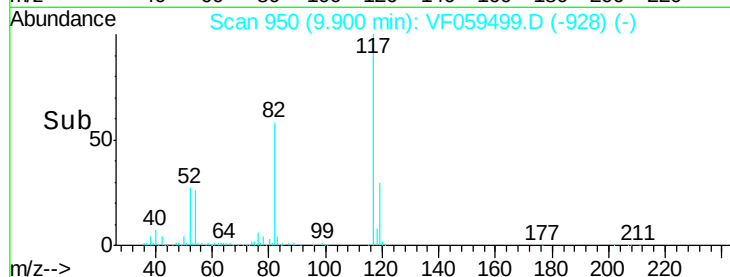
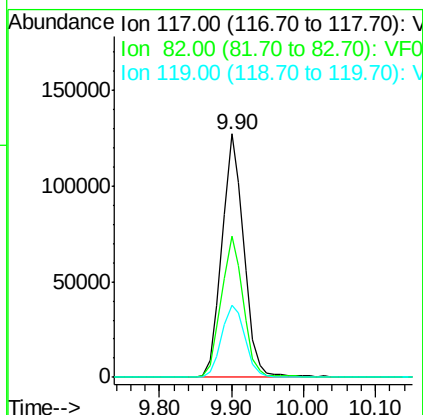
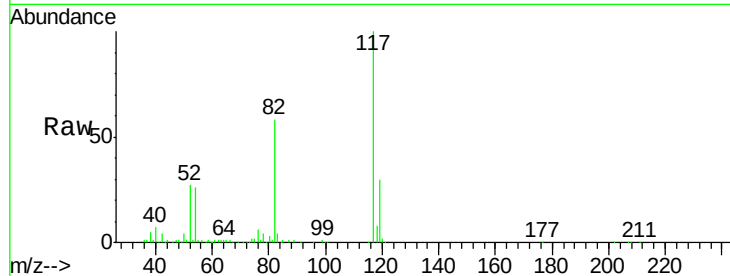




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. 0.02 min
Lab File: VF059499.D
Acq: 10 Jul 2018 22:06

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 268820
Ion Ratio Lower Upper
117 100
82 58.2 48.2 72.4
119 29.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF059499.D
Acq: 10 Jul 2018 22:06

Tgt Ion:152 Resp: 137805
Ion Ratio Lower Upper
152 100
115 62.6 28.7 86.3
150 157.3 0.0 323.8

