

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071018\
 Data File : VF059496.D
 Acq On : 10 Jul 2018 20:43
 Operator : VA/AP
 Sample : J3880-06RE
 Misc : 5.39g/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 11 00:57:57 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

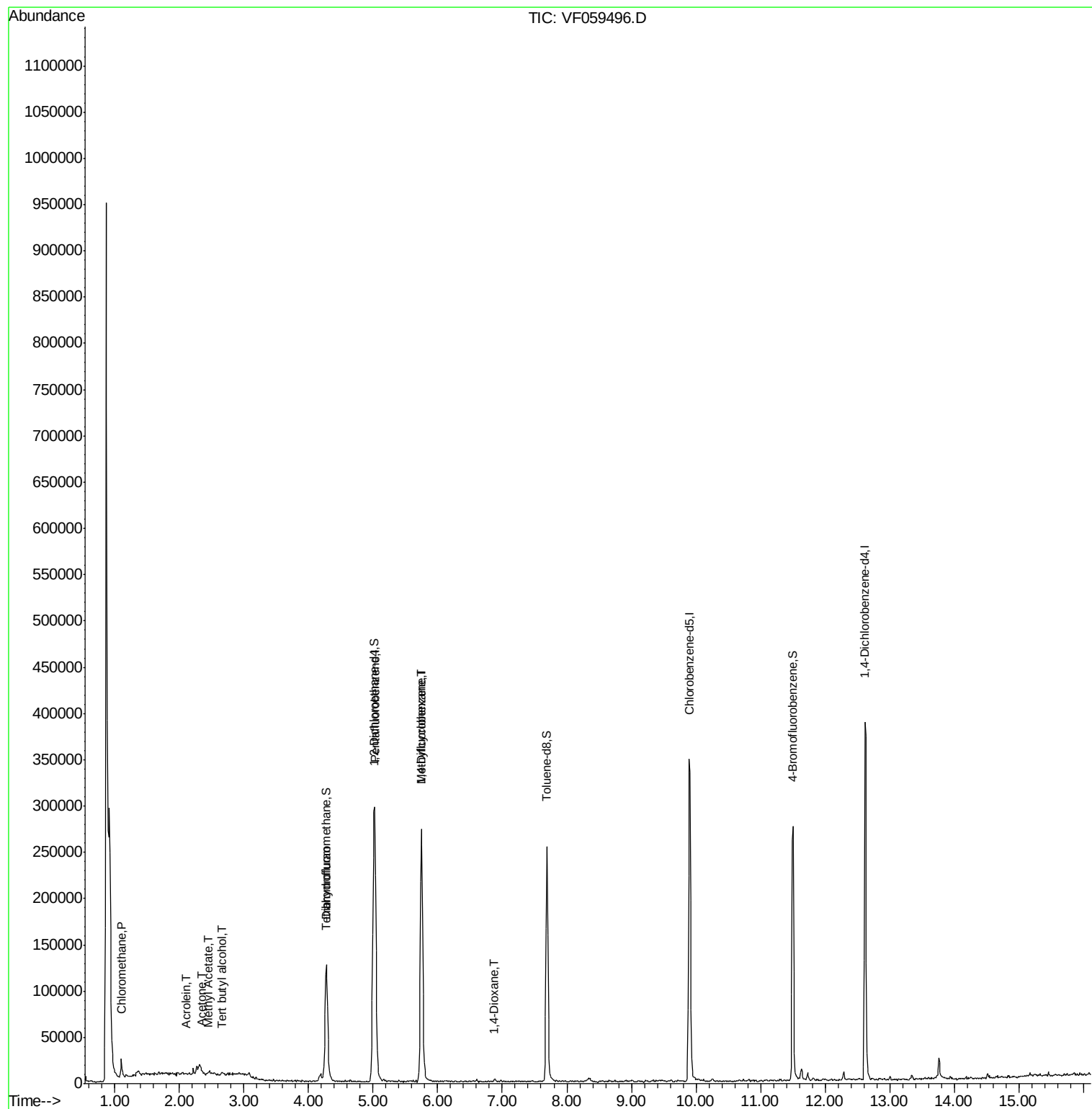
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	198892	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.75	114	280817	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.90	117	241962	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	101925	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	132517	38.31	ug/l	0.02
Spiked Amount 50.000			Recovery	=	76.62%	
35) Dibromofluoromethane	4.28	113	113533	42.14	ug/l	0.02
Spiked Amount 50.000			Recovery	=	84.28%	
50) Toluene-d8	7.70	98	207889	32.80	ug/l	0.02
Spiked Amount 50.000			Recovery	=	65.60%	
62) 4-Bromofluorobenzene	11.49	95	94844	26.82	ug/l	0.01
Spiked Amount 50.000			Recovery	=	53.64%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.10	50	1999	1.447	ug/l #	15
11) Tert butyl alcohol	2.67	59	216	1.371	ug/l #	1
13) Acrolein	2.11	56	733	6.003	ug/l	90
16) Acetone	2.35	43	1976	3.819	ug/l	95
18) Methyl Acetate	2.44	43	1674	1.393	ug/l #	88
20) Methylene Chloride	2.32	84	4743	Below Cal		85
29) Tetrahydrofuran	4.26	42	935	2.829	ug/l #	73
39) Methylcyclohexane	5.75	83	3796	1.524	ug/l #	39
49) 1,4-Dioxane	6.87	88	134	20.765	ug/l #	1

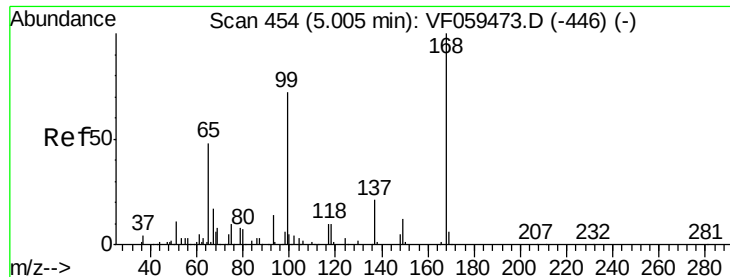
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.03 min Scan# 456

Delta R.T. 0.02 min

Lab File: VF059496.D

Acq: 10 Jul 2018 20:43

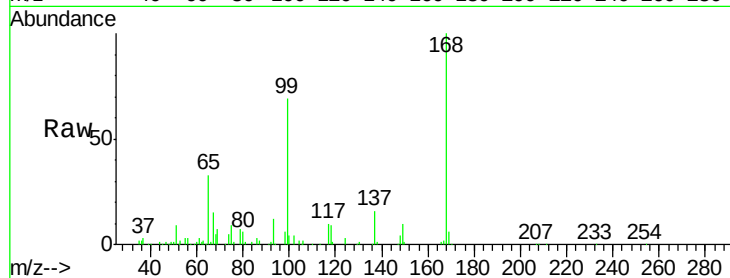
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 198892

Ion Ratio Lower Upper

168 100

99 68.7 57.7 86.5



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

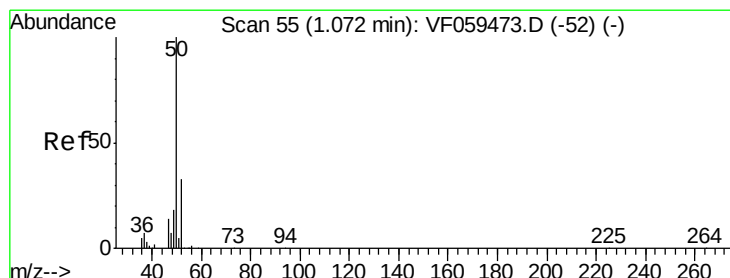
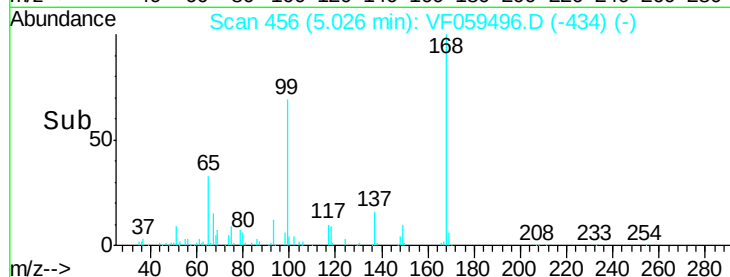
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: 1.447 ug/l

RT: 1.10 min Scan# 58

Delta R.T. 0.03 min

Lab File: VF059496.D

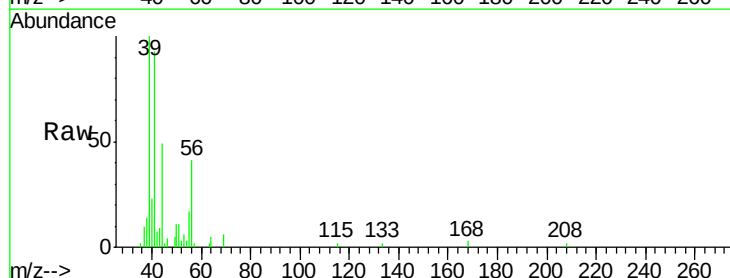
Acq: 10 Jul 2018 20:43

Tgt Ion: 50 Resp: 1999

Ion Ratio Lower Upper

50 100

52 80.3 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

800

600

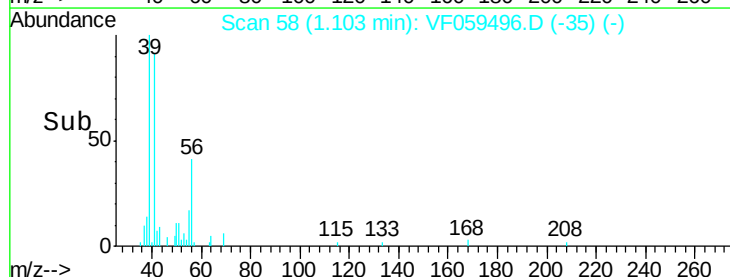
400

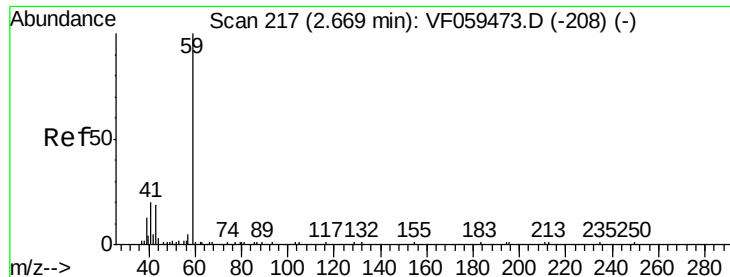
200

0

Time-->

1.00 1.10 1.20



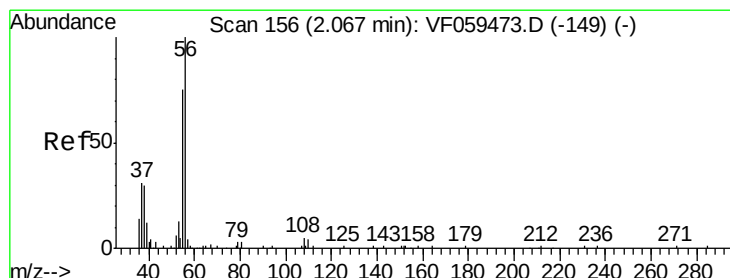
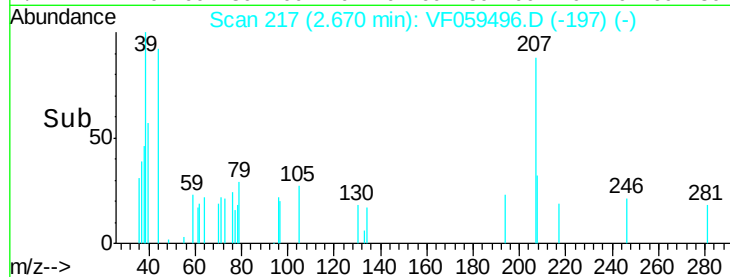
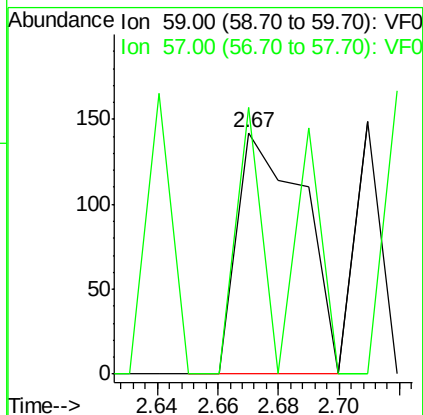
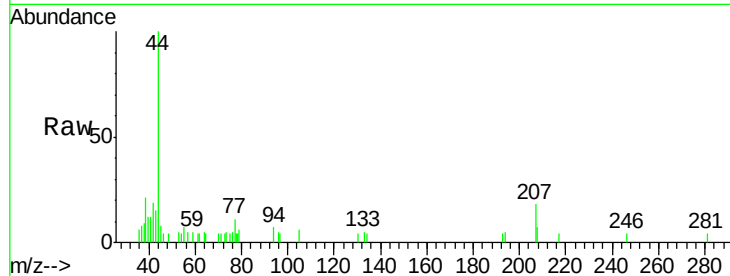


#11

Tert butyl alcohol
Concen: 1.371 ug/l
RT: 2.67 min Scan# 217
Delta R.T. 0.00 min
Lab File: VF059496.D
Acq: 10 Jul 2018 20:43

Instrument :
MSVOA_F
ClientSampleId :

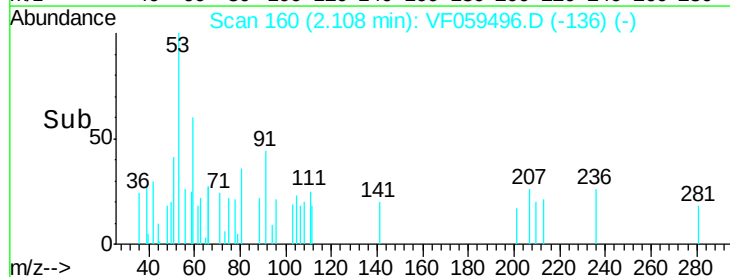
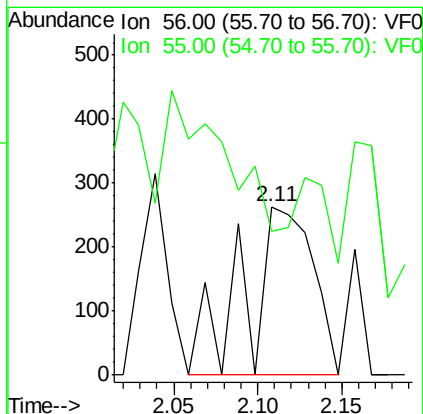
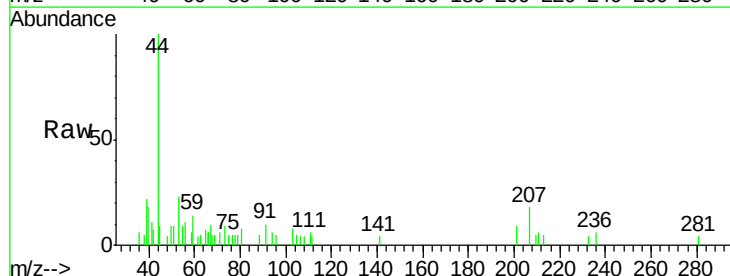
Tot Ion: 59 Resp: 216
Ion Ratio Lower Upper
59 100
57 110.6 7.8 11.8#

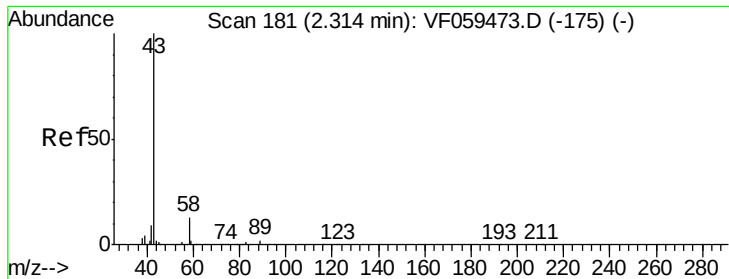


#13

Acrolein
Concen: 6.003 ug/l
RT: 2.11 min Scan# 160
Delta R.T. 0.04 min
Lab File: VF059496.D
Acq: 10 Jul 2018 20:43

Tgt Ion: 56 Resp: 733
Ion Ratio Lower Upper
56 100
55 85.2 61.2 91.8





#16

Acetone

Concen: 3.819 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.04 min

Lab File: VF059496.D

Acq: 10 Jul 2018 20:43

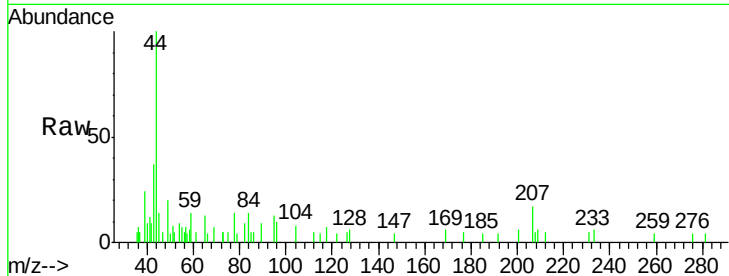
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 1976

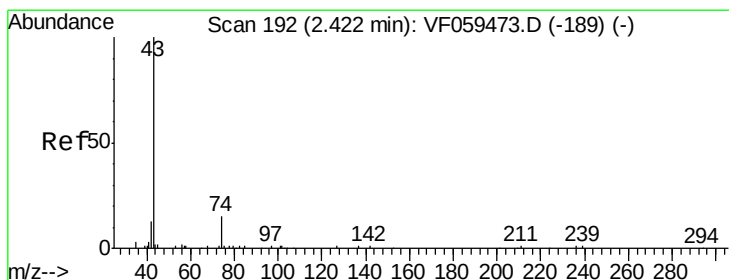
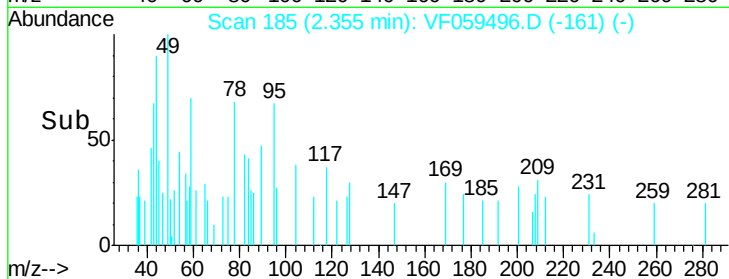
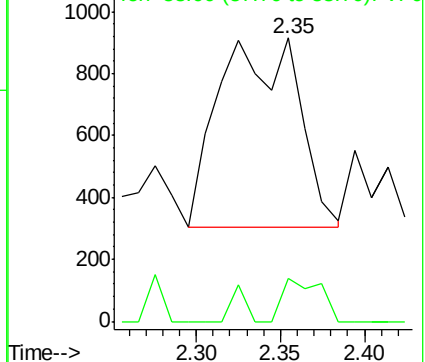
Ion Ratio Lower Upper

43 100

58 15.2 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: 1.393 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.02 min

Lab File: VF059496.D

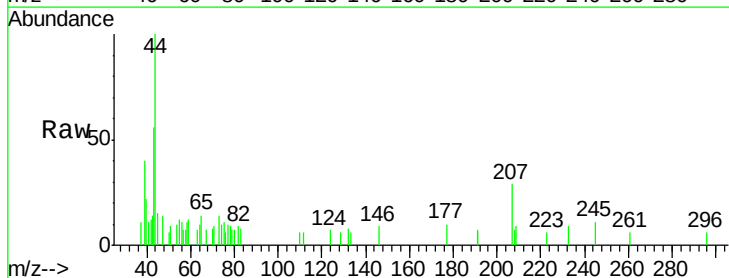
Acq: 10 Jul 2018 20:43

Tgt Ion: 43 Resp: 1674

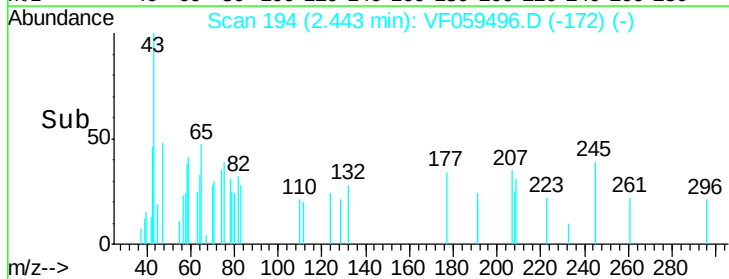
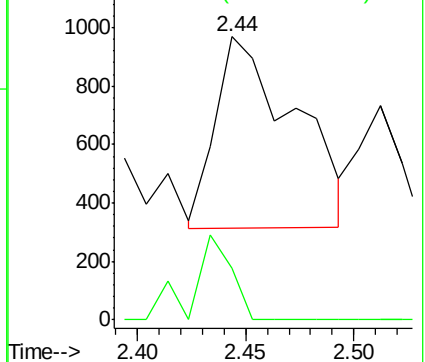
Ion Ratio Lower Upper

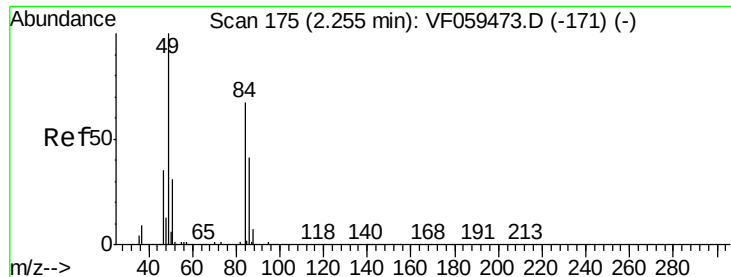
43 100

74 18.4 10.8 16.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 74.00 (73.70 to 74.70): VF0

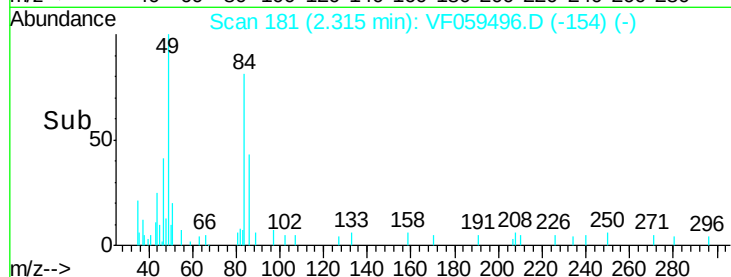
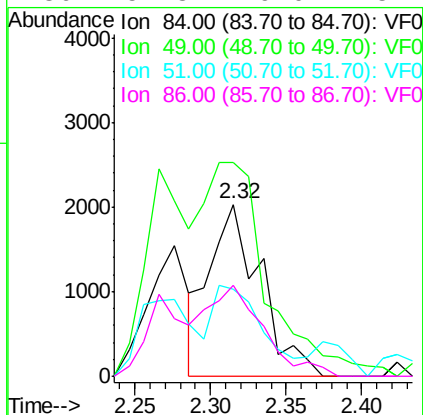
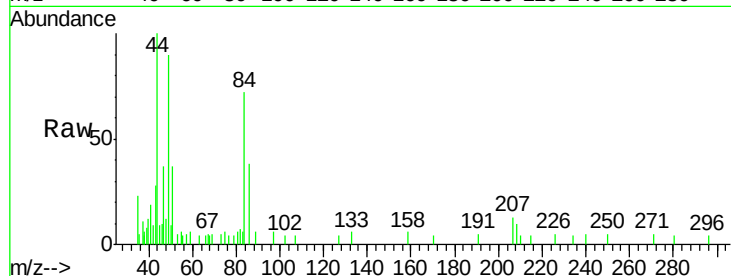




#20
Methylene Chloride
Concen: Below Cal
RT: 2.32 min Scan# 181
Delta R.T. 0.06 min
Lab File: VF059496.D
Acq: 10 Jul 2018 20:43

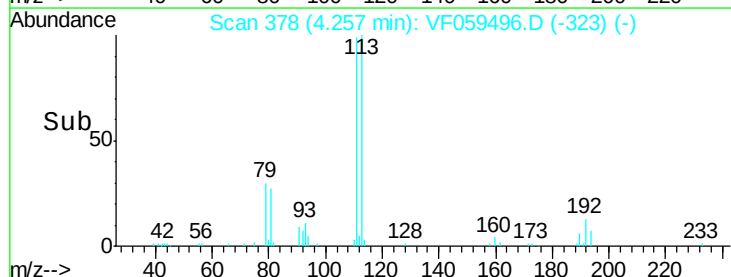
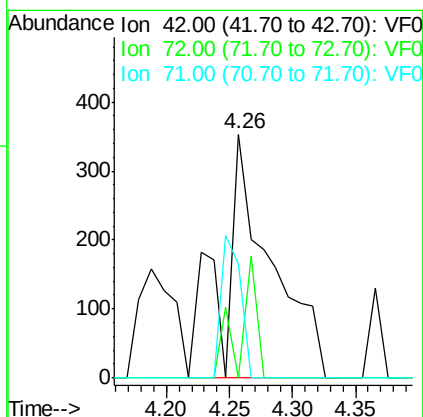
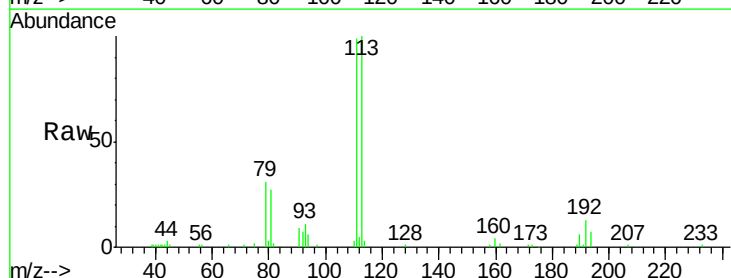
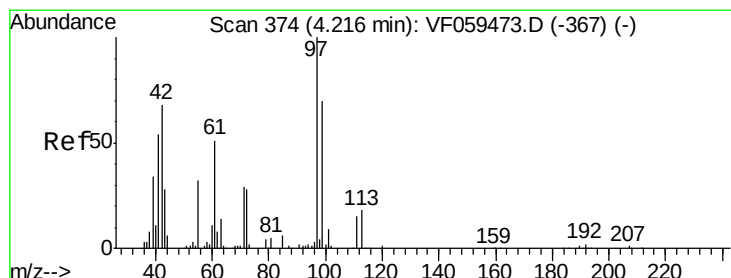
Instrument :
MSVOA_F
ClientSampleId :

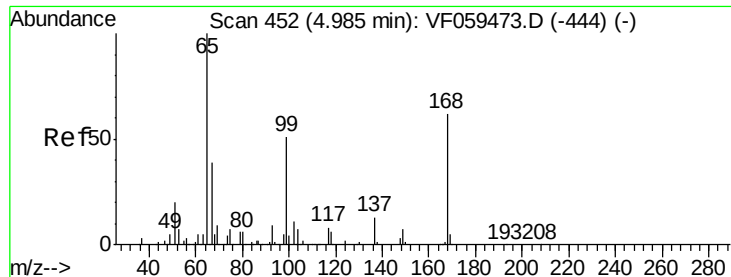
Tot Ion:	84	Resp:	4743
Ion	Ratio	Lower	Upper
84	100		
49	124.1	120.4	180.6
51	50.6	38.1	57.1
86	52.8	49.0	73.4



#29
Tetrahydrofuran
Concen: 2.829 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.04 min
Lab File: VF059496.D
Acq: 10 Jul 2018 20:43

Tgt Ion:	42	Resp:	935
Ion	Ratio	Lower	Upper
42	100		
72	17.6	29.2	43.8#
71	23.6	30.1	45.1#

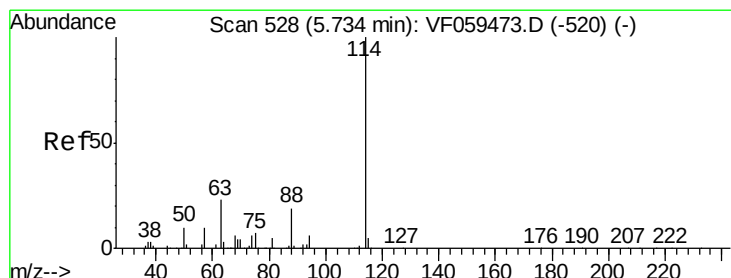
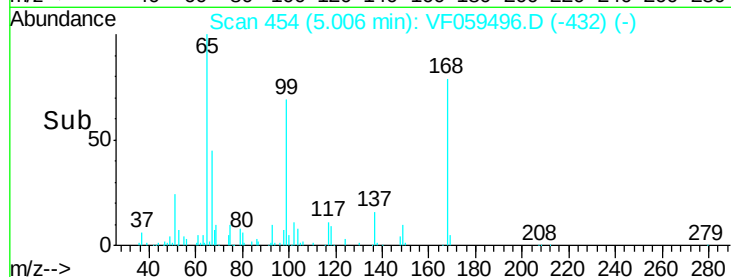
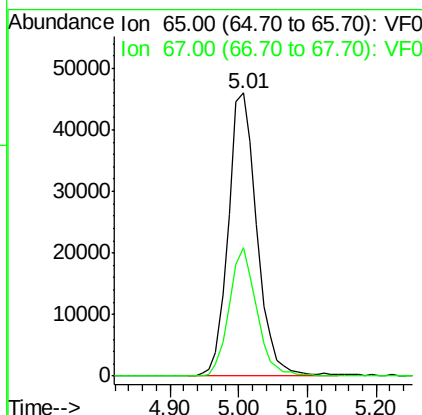
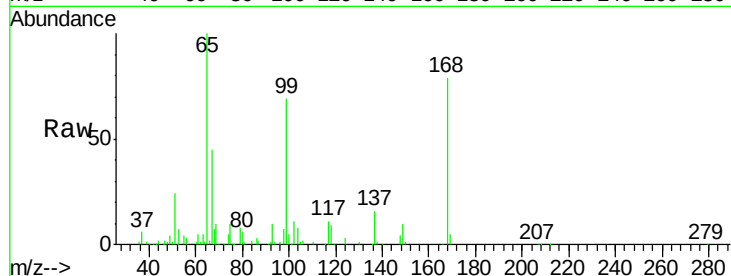




#33
 1,2-Dichloroethane-d4
 Concen: 38.307 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. 0.02 min
 Lab File: VF059496.D
 Acq: 10 Jul 2018 20:43

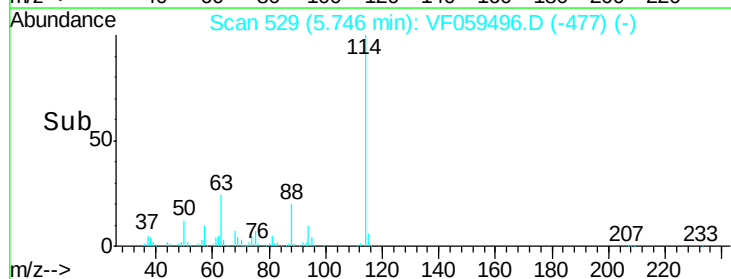
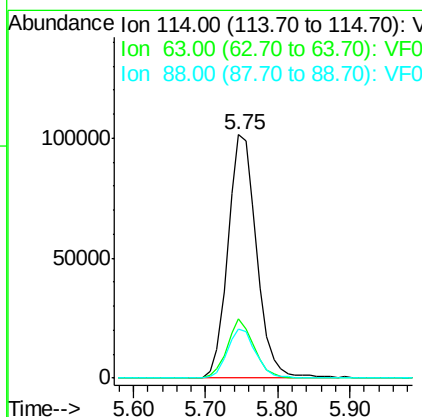
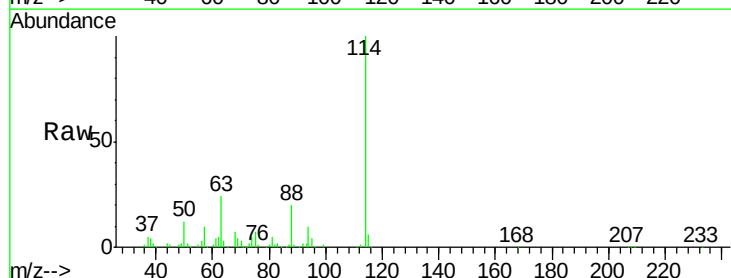
Instrument :
 MSVOA_F
 ClientSampleId :

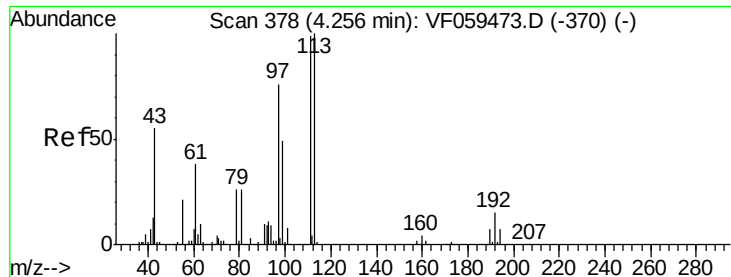
Tot Ion: 65 Resp: 132517
 Ion Ratio Lower Upper
 65 100
 67 45.5 0.0 88.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. 0.01 min
 Lab File: VF059496.D
 Acq: 10 Jul 2018 20:43

Tgt Ion: 114 Resp: 280817
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 47.2
 88 20.3 0.0 38.0

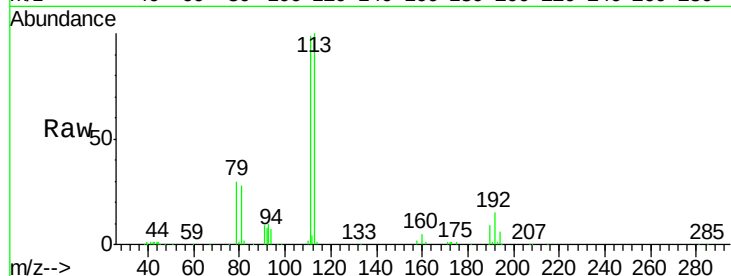




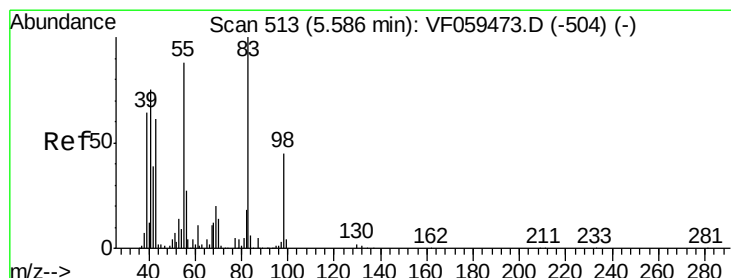
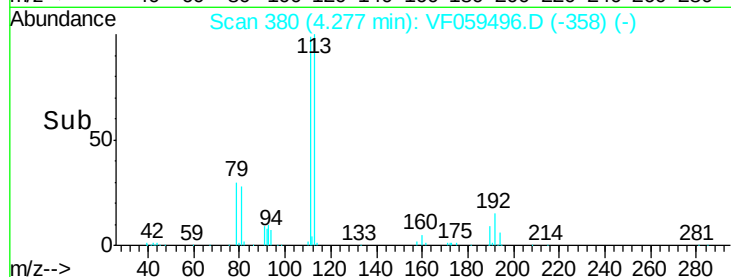
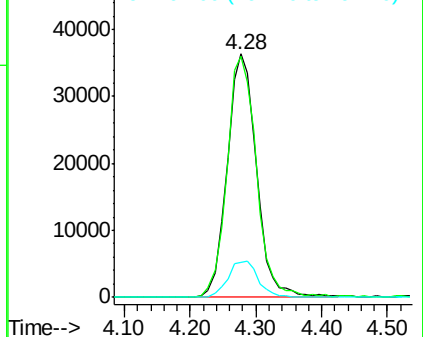
#35
 Dibromofluoromethane
 Concen: 42.136 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. 0.02 min
 Lab File: VF059496.D
 Acq: 10 Jul 2018 20:43

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:113 Resp: 113533
 Ion Ratio Lower Upper
 113 100
 111 97.7 79.3 118.9
 192 14.4 12.0 18.0

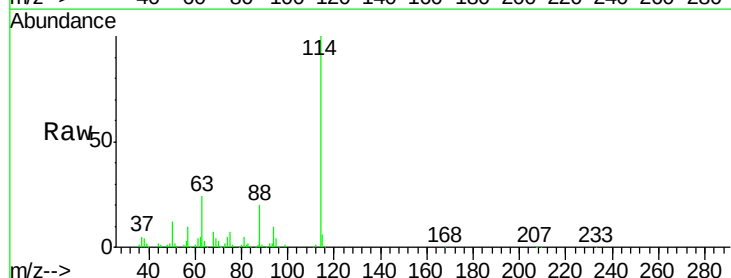


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

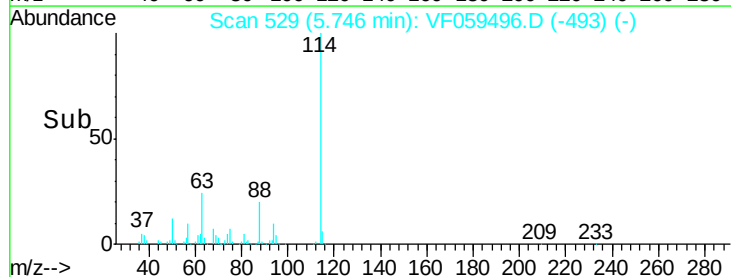
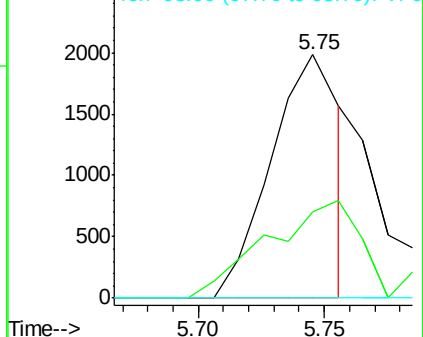


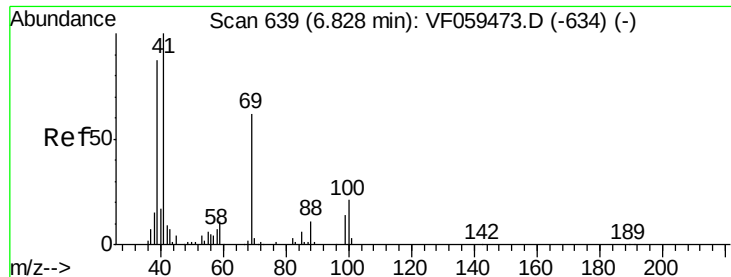
#39
 Methylcyclohexane
 Concen: 1.524 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. 0.16 min
 Lab File: VF059496.D
 Acq: 10 Jul 2018 20:43

Tgt Ion: 83 Resp: 3796
 Ion Ratio Lower Upper
 83 100
 55 35.1 70.6 105.8#
 98 0.0 36.3 54.5#



Abundance Ion 83.00 (82.70 to 83.70): VF0
 Ion 55.00 (54.70 to 55.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0





#49

1,4-Dioxane

Concen: 20.765 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.04 min

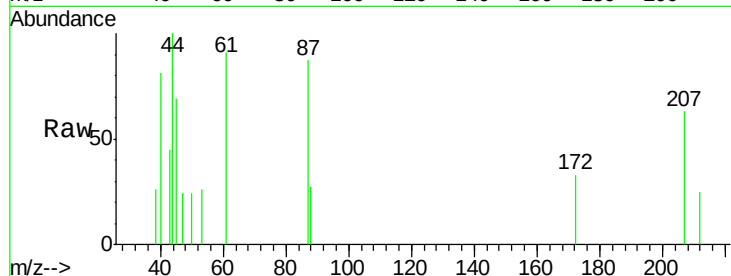
Lab File: VF059496.D

Acq: 10 Jul 2018 20:43

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 134

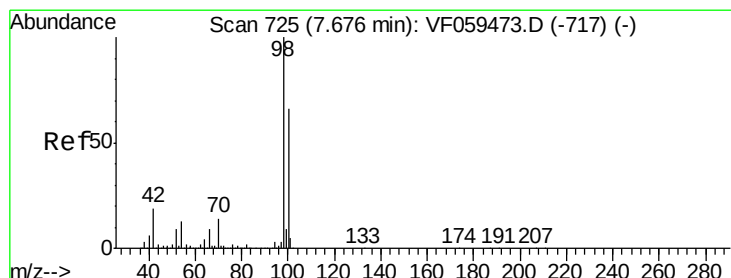
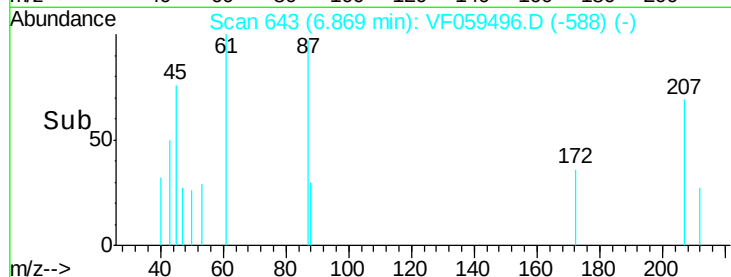
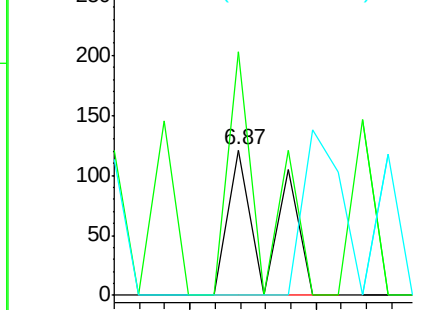
Ion	Ratio	Lower	Upper
88	100		
43	167.8	57.3	85.9#
58	0.0	54.6	81.8#



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: 32.797 ug/l

RT: 7.70 min Scan# 727

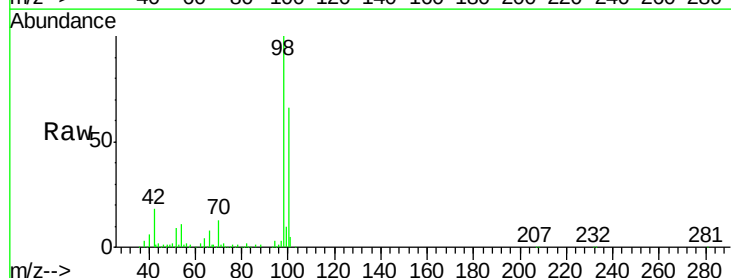
Delta R.T. 0.02 min

Lab File: VF059496.D

Acq: 10 Jul 2018 20:43

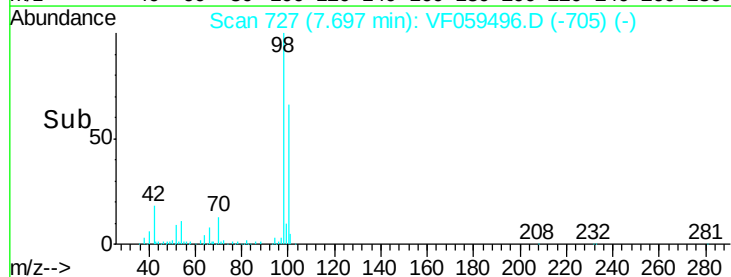
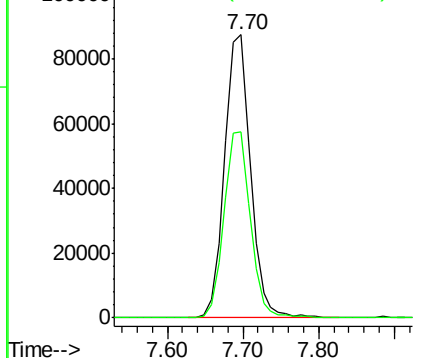
Tgt Ion: 98 Resp: 207889

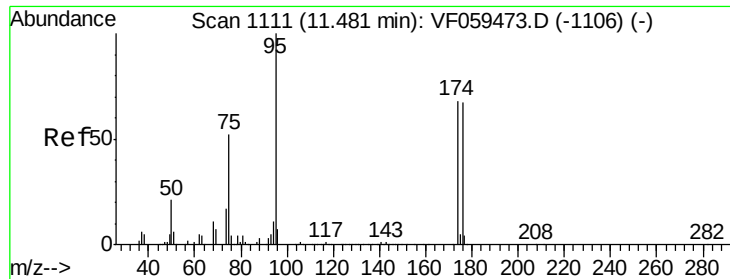
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.6	78.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

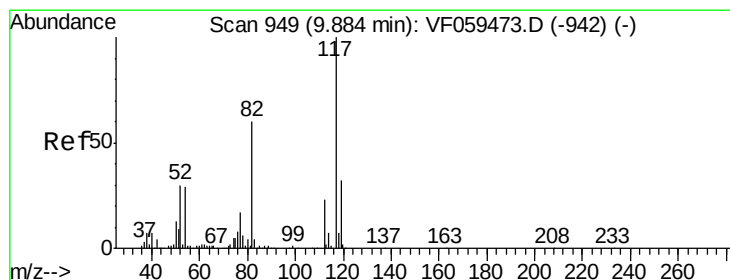
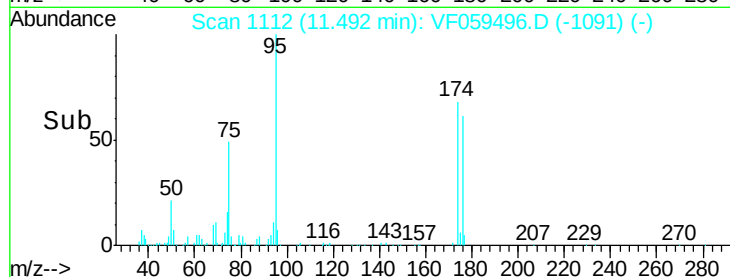
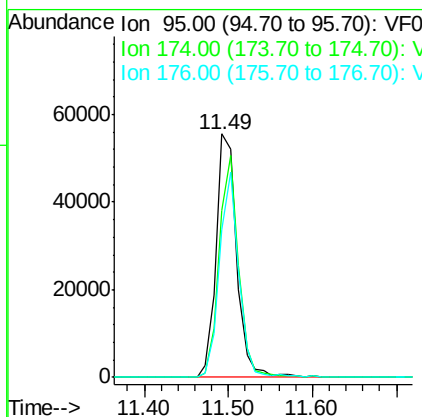
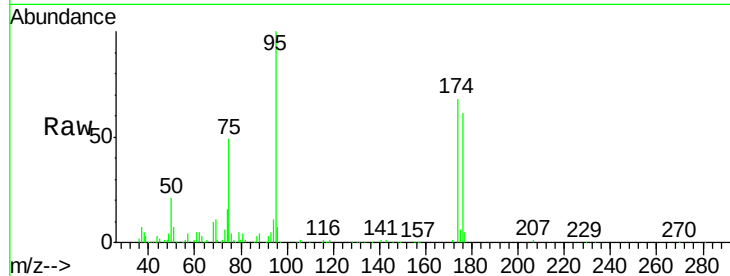




#62
4-Bromofluorobenzene
Concen: 26.823 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VF059496.D
Acq: 10 Jul 2018 20:43

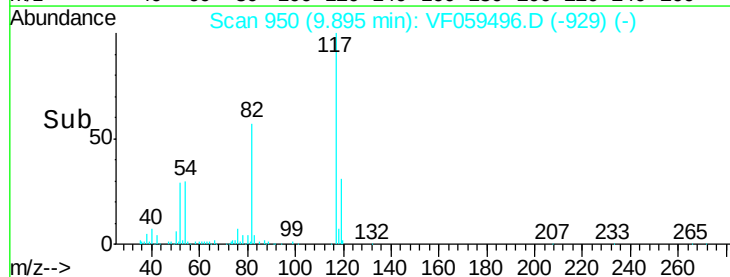
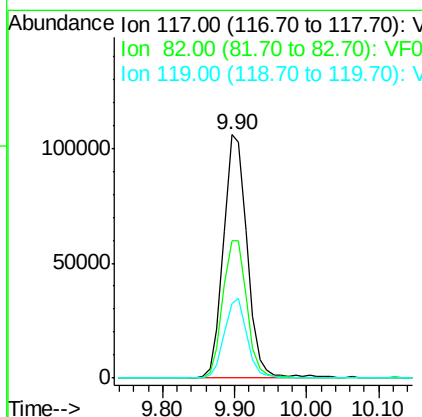
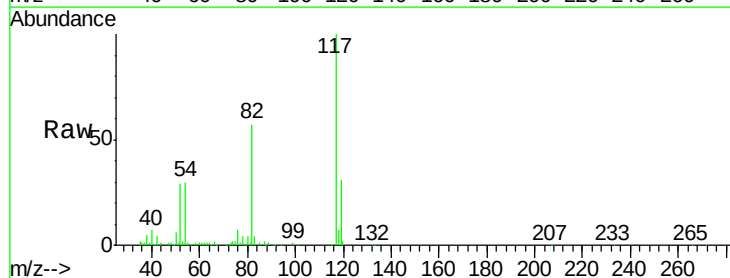
Instrument :
MSVOA_F
ClientSampleId :

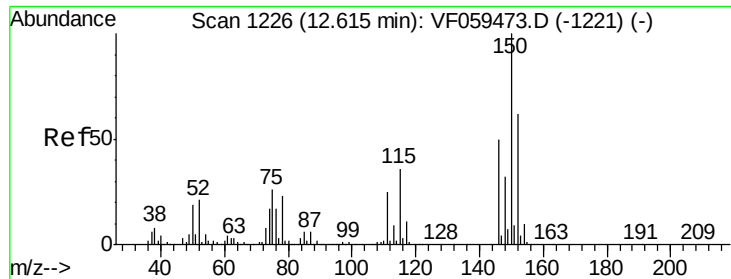
Tot Ion: 95 Resp: 94844
Ion Ratio Lower Upper
95 100
174 68.3 0.0 137.0
176 60.9 0.0 133.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. 0.01 min
Lab File: VF059496.D
Acq: 10 Jul 2018 20:43

Tgt Ion: 117 Resp: 241962
Ion Ratio Lower Upper
117 100
82 56.6 48.2 72.4
119 30.9 25.7 38.5



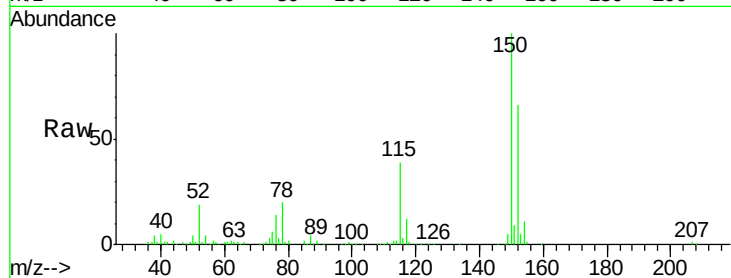


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.01 min
Lab File: VF059496.D
Acq: 10 Jul 2018 20:43

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.8	28.7	86.3
150	151.0	0.0	323.8



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

