

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032519\
 Data File : VF062133.D
 Acq On : 25 Mar 2019 15:54
 Operator : VA/AP
 Sample : K2081-07RE
 Misc : 6.78g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 26 04:20:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

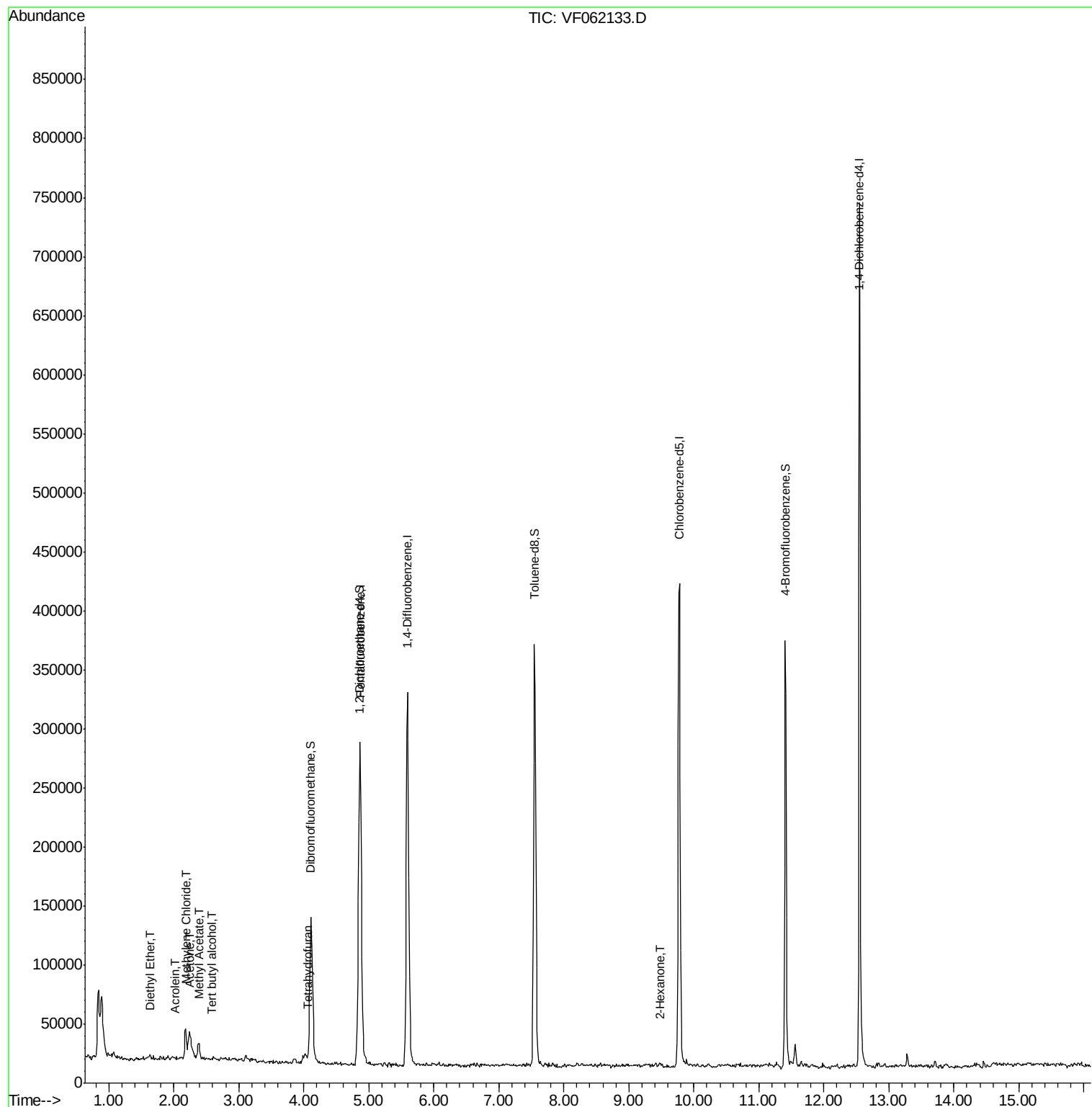
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	257407	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	407463	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.78	117	355316	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	197498	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	81028	42.32	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	84.64%	
35) Dibromofluoromethane	4.12	113	122132	44.31	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	88.62%	
50) Toluene-d8	7.55	98	328030	39.87	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	79.74%	
62) 4-Bromofluorobenzene	11.40	95	144278	45.42	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	90.84%	
Target Compounds						
8) Diethyl Ether	1.64	74	1345	1.528	ug/l	58
11) Tert butyl alcohol	2.59	59	209	1.984	ug/l #	66
13) Acrolein	2.02	56	550	4.342	ug/l	87
16) Acetone	2.23	43	10916	27.089	ug/l #	88
18) Methyl Acetate	2.37	43	7813	8.128	ug/l #	56
20) Methylene Chloride	2.18	84	13133	2.360	ug/l	98
29) Tetrahydrofuran	4.06	42	553	1.512	ug/l #	33
59) 2-Hexanone	9.49	43	1014	1.006	ug/l #	22

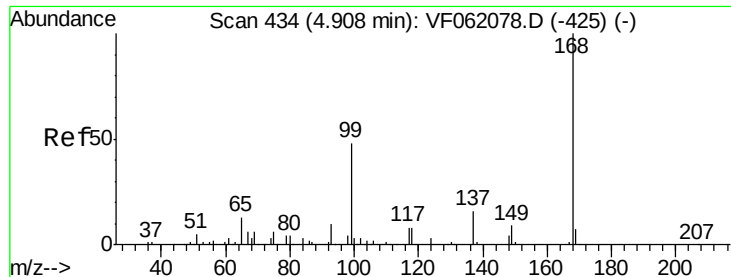
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF062133.D

Acq: 25 Mar 2019 15:54

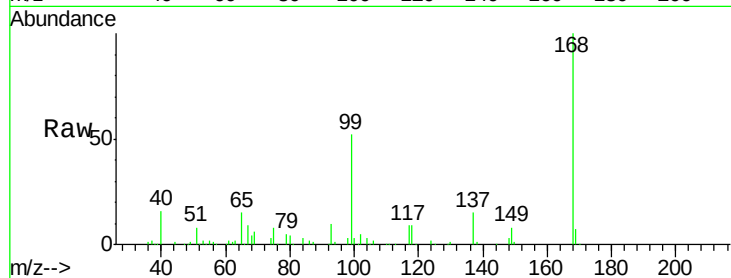
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 257407

Ion Ratio Lower Upper

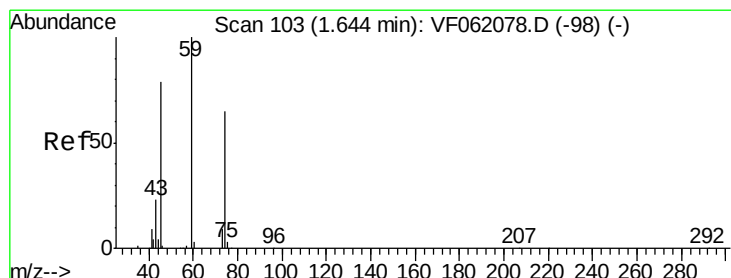
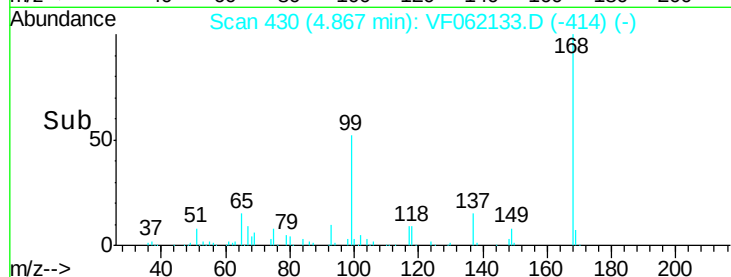
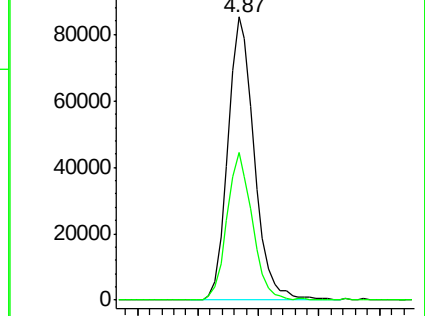
168 100

99 52.3 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#8

Diethyl Ether

Concen: 1.528 ug/l

RT: 1.64 min Scan# 103

Delta R.T. -0.00 min

Lab File: VF062133.D

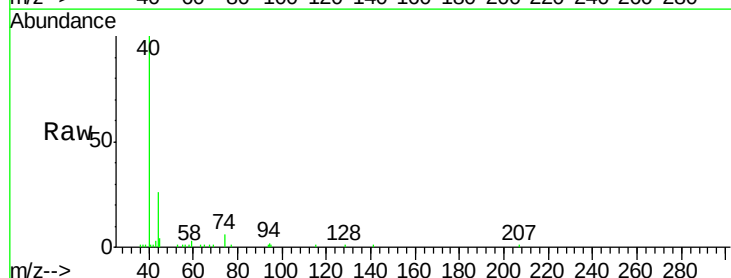
Acq: 25 Mar 2019 15:54

Tgt Ion: 74 Resp: 1345

Ion Ratio Lower Upper

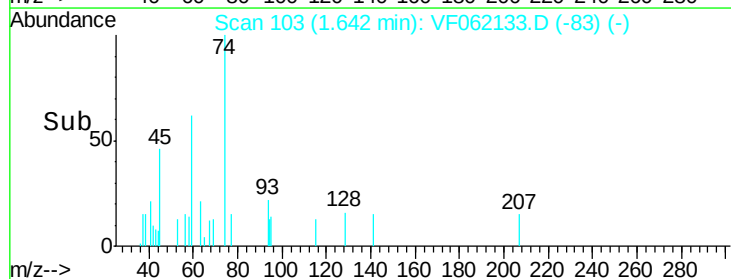
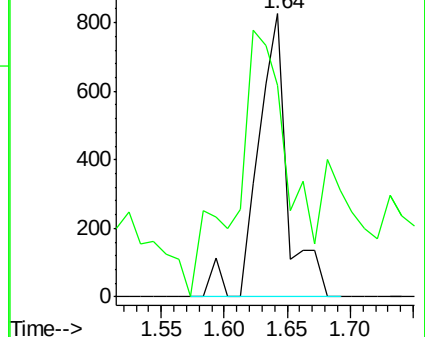
74 100

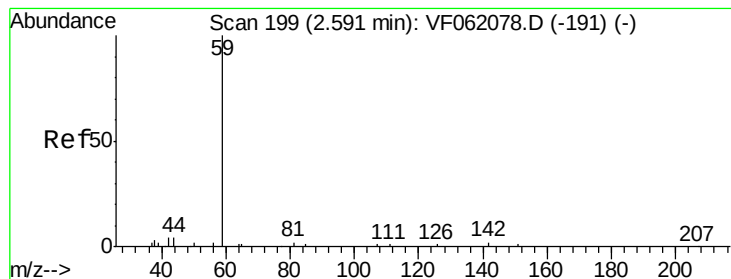
45 74.9 61.4 184.2



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



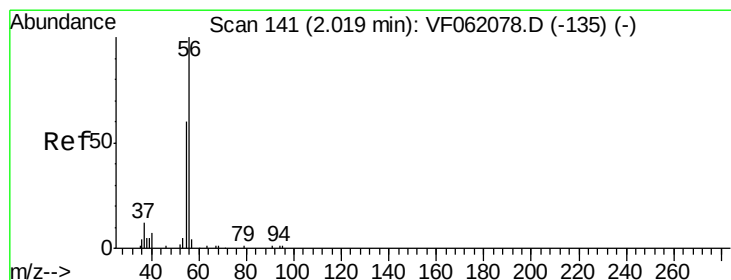
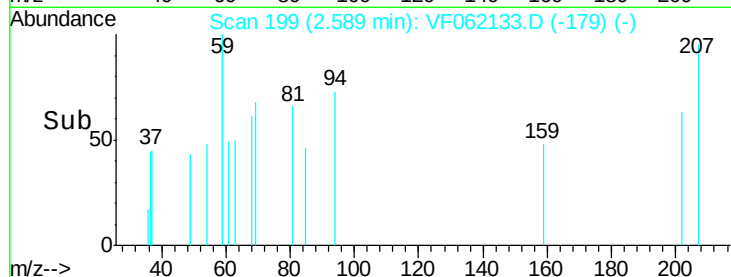
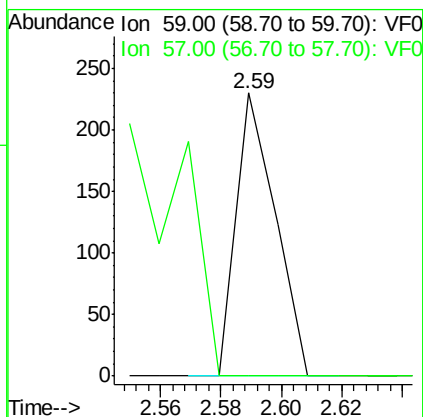
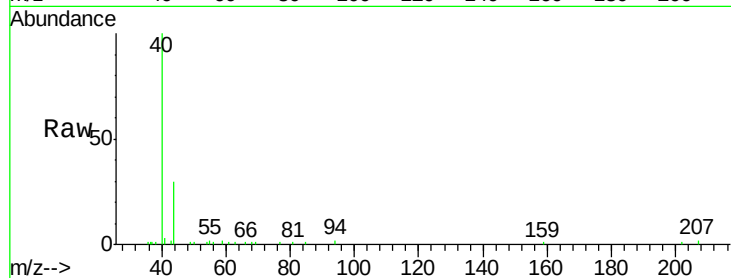


#11

Tert butyl alcohol
Concen: 1.984 ug/l
RT: 2.59 min Scan# 199
Delta R.T. -0.00 min
Lab File: VF062133.D
Acq: 25 Mar 2019 15:54

Instrument :
MSVOA_F
ClientSampled :

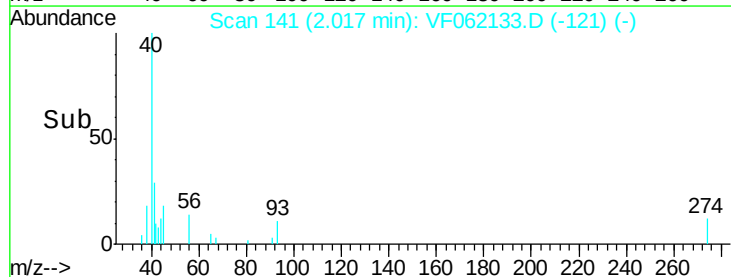
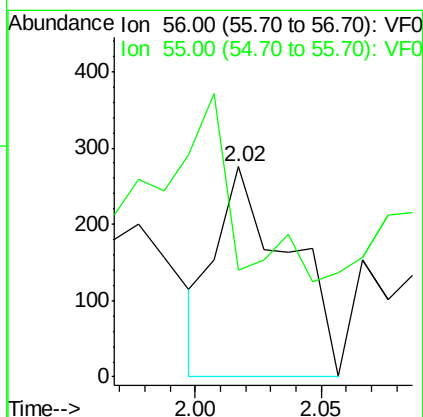
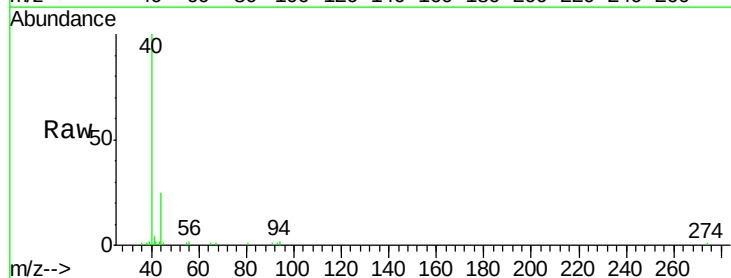
Tot Ion: 59 Resp: 209
Ion Ratio Lower Upper
59 100
57 0.0 11.0 16.4#

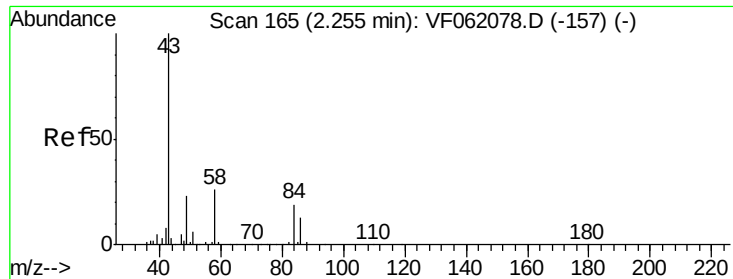


#13

Acrolein
Concen: 4.342 ug/l
RT: 2.02 min Scan# 141
Delta R.T. -0.00 min
Lab File: VF062133.D
Acq: 25 Mar 2019 15:54

Tgt Ion: 56 Resp: 550
Ion Ratio Lower Upper
56 100
55 50.9 49.0 73.4





#16

Acetone

Concen: 27.089 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF062133.D

Acq: 25 Mar 2019 15:54

Instrument :

MSVOA_F

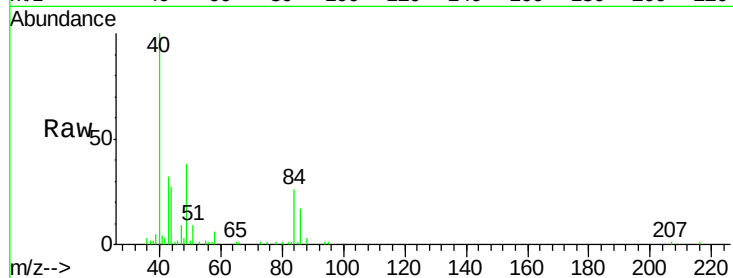
ClientSampleId :

Tot Ion: 43 Resp: 10916

Ion Ratio Lower Upper

43 100

58 19.6 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.23

4000

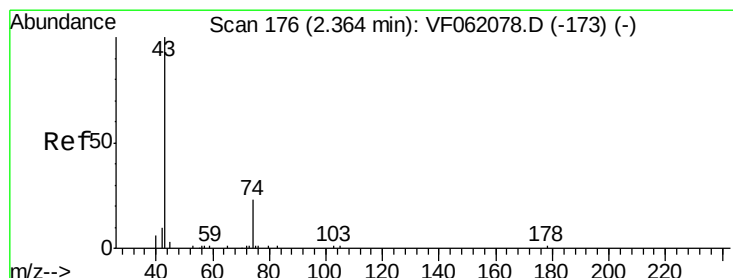
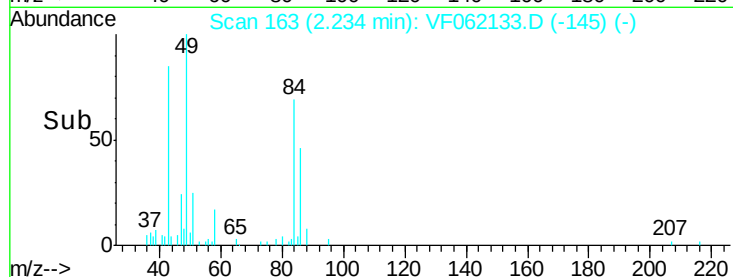
3000

2000

1000

0

Time--> 2.10 2.20 2.30



#18

Methyl Acetate

Concen: 8.128 ug/l

RT: 2.37 min Scan# 177

Delta R.T. 0.01 min

Lab File: VF062133.D

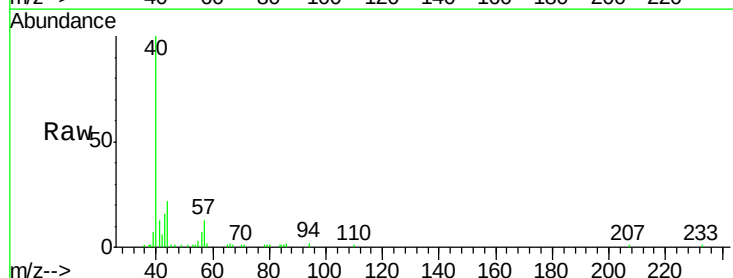
Acq: 25 Mar 2019 15:54

Tgt Ion: 43 Resp: 7813

Ion Ratio Lower Upper

43 100

74 0.0 16.3 24.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

2.37

2500

2000

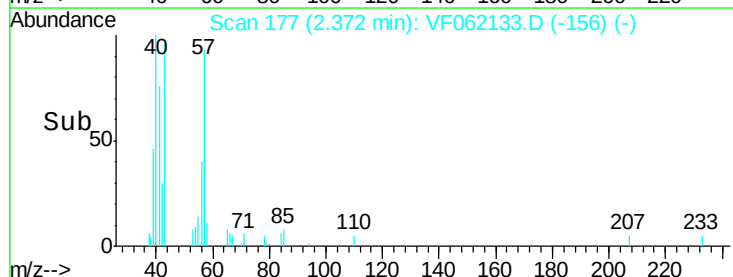
1500

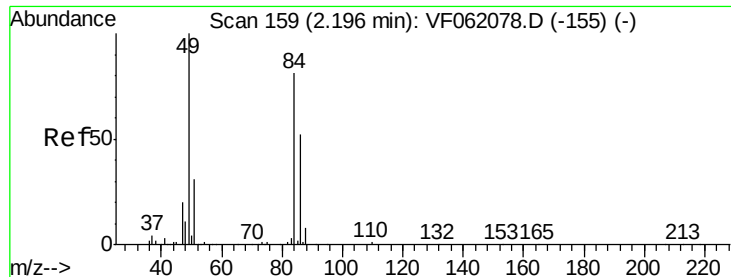
1000

500

0

Time--> 2.30 2.40 2.50

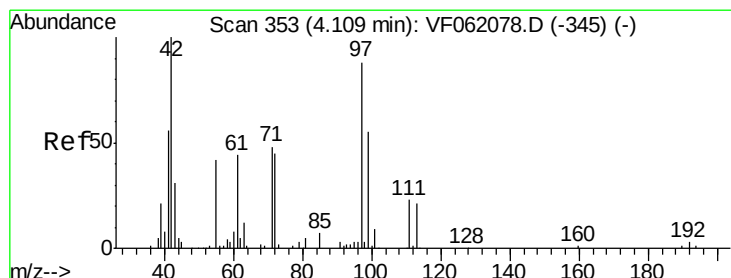
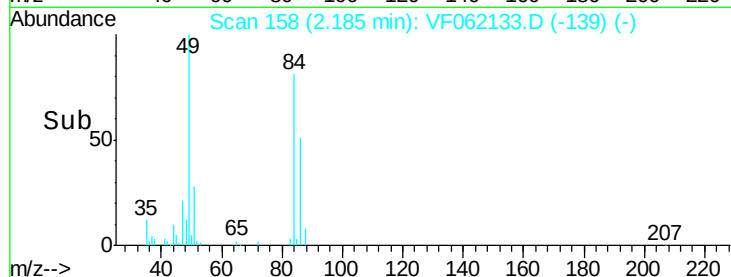
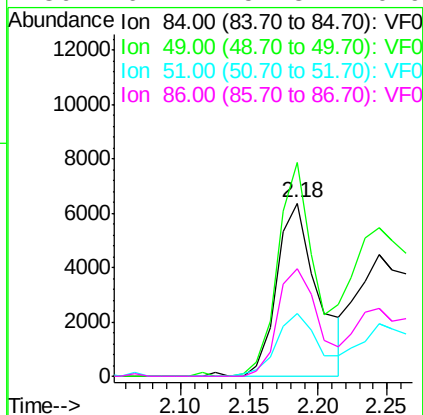
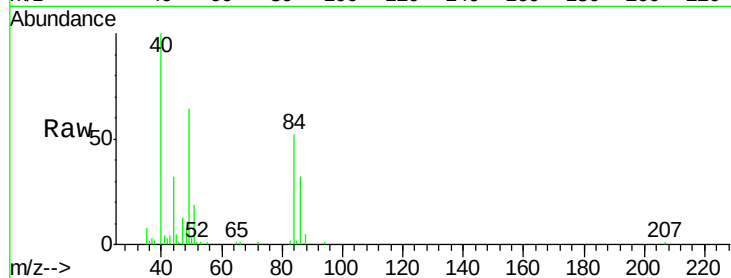




#20
Methylene Chloride
Concen: 2.360 ug/l
RT: 2.18 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF062133.D
Acq: 25 Mar 2019 15:54

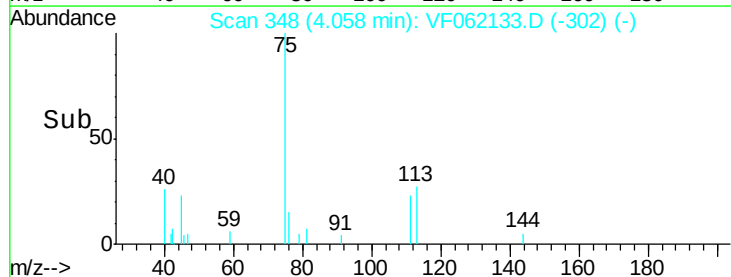
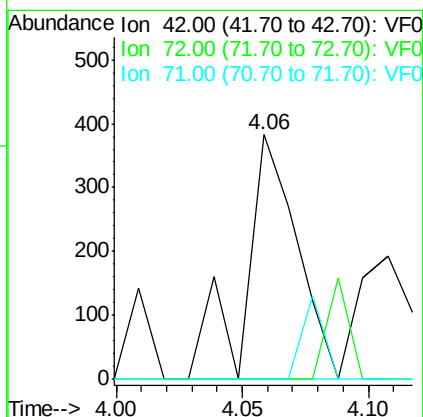
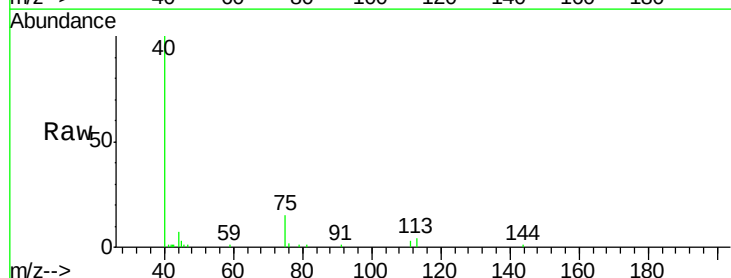
Instrument :
MSVOA_F
ClientSampled :

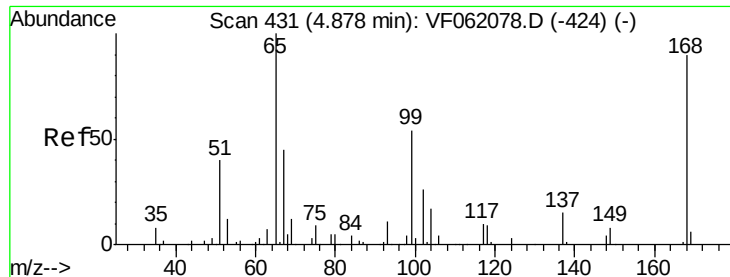
Tot Ion:	84	Resp:	13133
Ion	Ratio	Lower	Upper
84	100		
49	123.3	100.4	150.6
51	36.5	31.0	46.6
86	62.4	51.3	76.9



#29
Tetrahydrofuran
Concen: 1.512 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.05 min
Lab File: VF062133.D
Acq: 25 Mar 2019 15:54

Tgt Ion:	42	Resp:	553
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.3	49.9#
71	0.0	35.0	52.4#

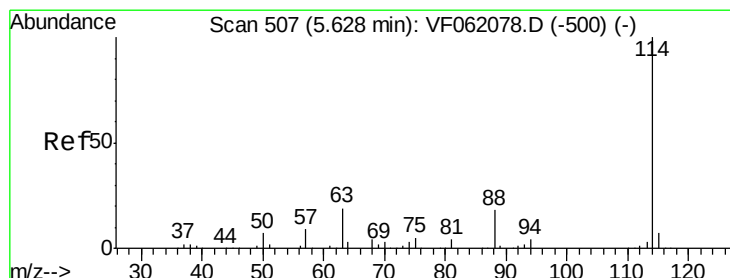
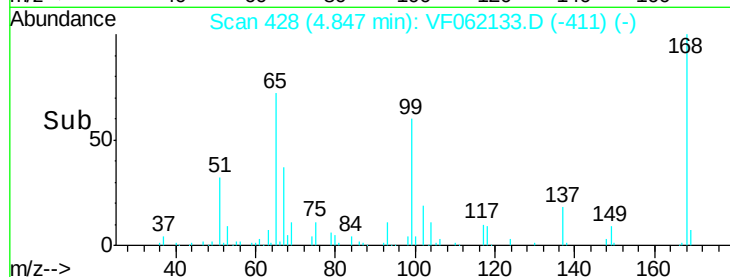
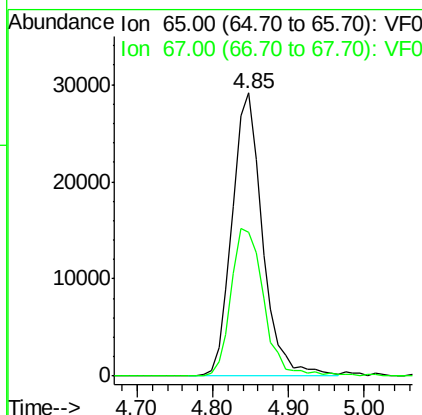
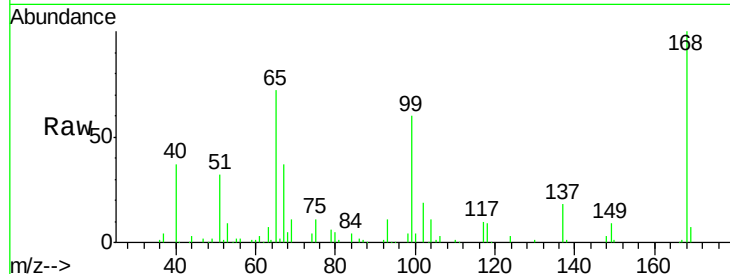




#33
 1,2-Dichloroethane-d4
 Concen: 42.321 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.03 min
 Lab File: VF062133.D
 Acq: 25 Mar 2019 15:54

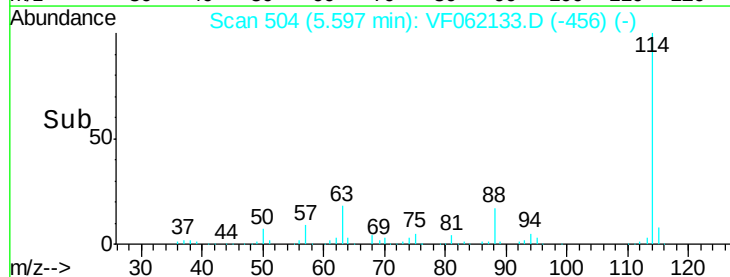
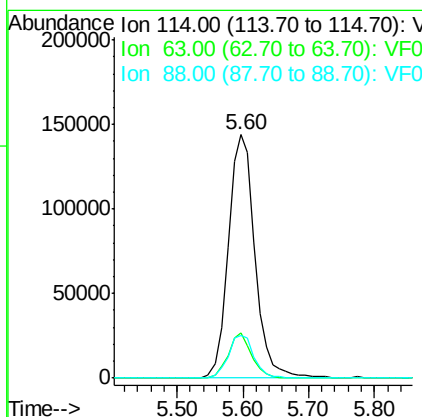
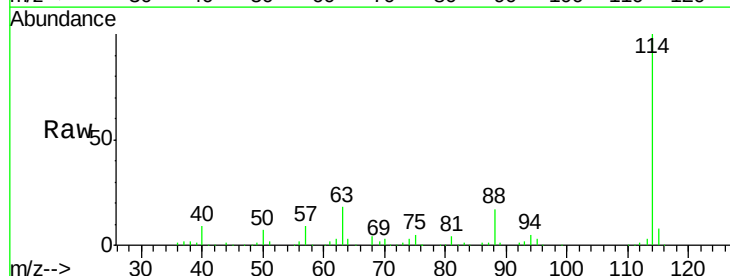
Instrument :
 MSVOA_F
 ClientSampleId :

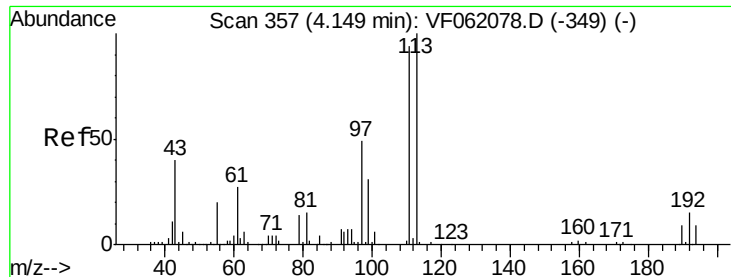
Tot Ion: 65 Resp: 81028
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.03 min
 Lab File: VF062133.D
 Acq: 25 Mar 2019 15:54

Tgt Ion: 114 Resp: 407463
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 37.8
 88 17.4 0.0 36.4

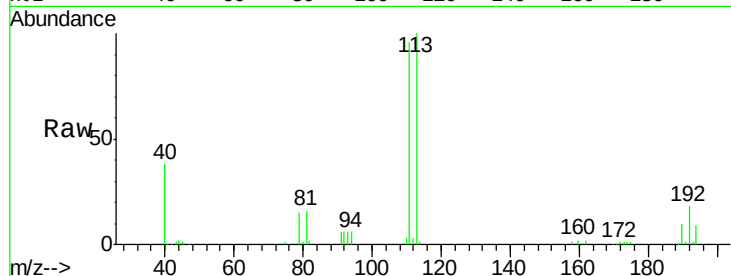




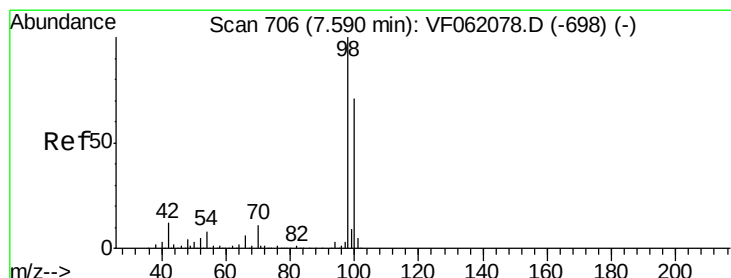
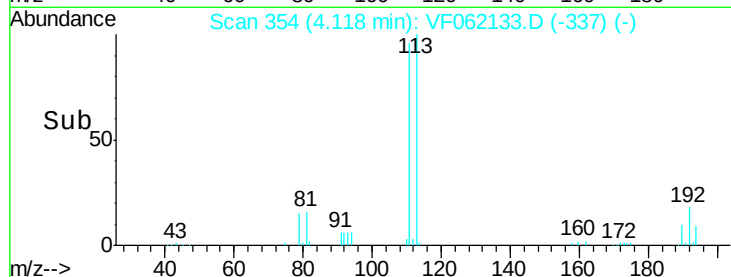
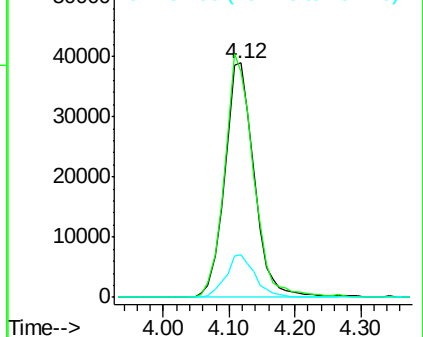
#35
 Dibromofluoromethane
 Concen: 44.310 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. -0.03 min
 Lab File: VF062133.D
 Acq: 25 Mar 2019 15:54

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:113 Resp: 122132
 Ion Ratio Lower Upper
 113 100
 111 96.0 75.4 113.0
 192 18.3 12.3 18.5

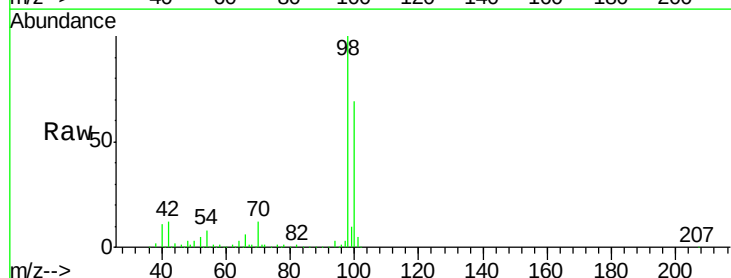


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

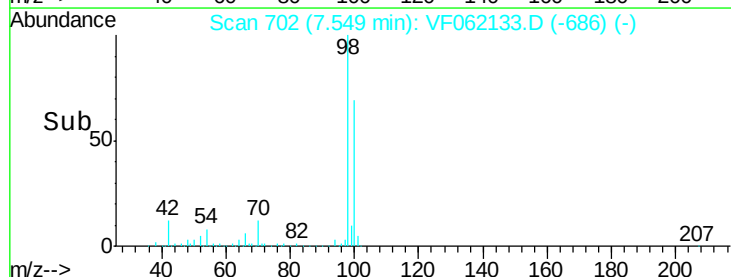
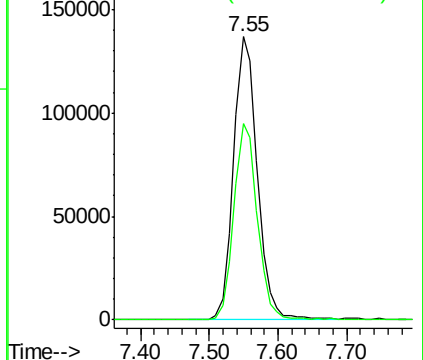


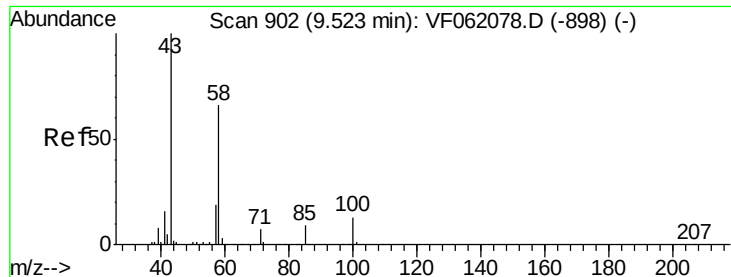
#50
 Toluene-d8
 Concen: 39.869 ug/l
 RT: 7.55 min Scan# 702
 Delta R.T. -0.04 min
 Lab File: VF062133.D
 Acq: 25 Mar 2019 15:54

Tgt Ion: 98 Resp: 328030
 Ion Ratio Lower Upper
 98 100
 100 69.5 57.0 85.6



Abundance Ion 98.00 (97.70 to 98.70): VF0
 Ion 100.00 (99.70 to 100.70): VF0

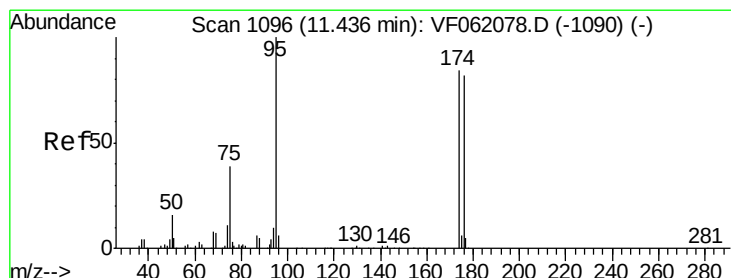
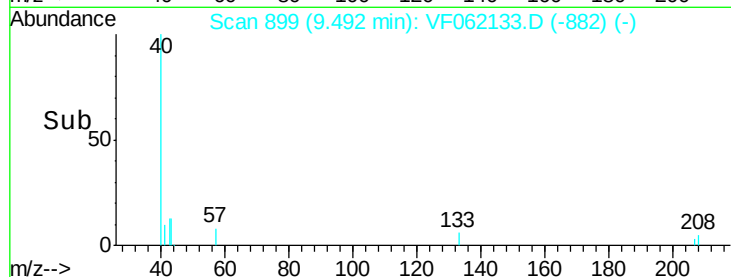
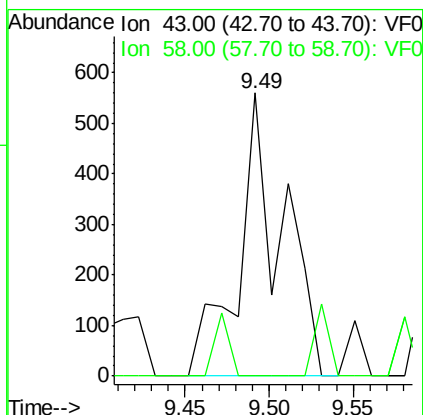
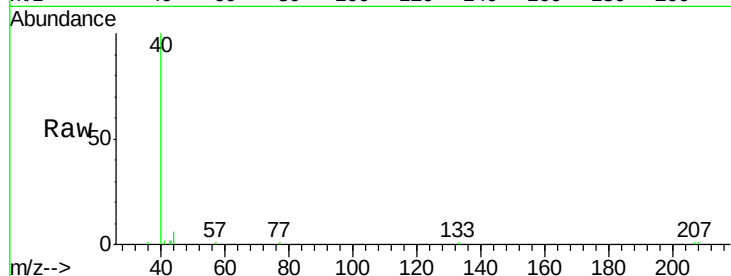




#59
2-Hexanone
Concen: 1.006 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.03 min
Lab File: VF062133.D
Acq: 25 Mar 2019 15:54

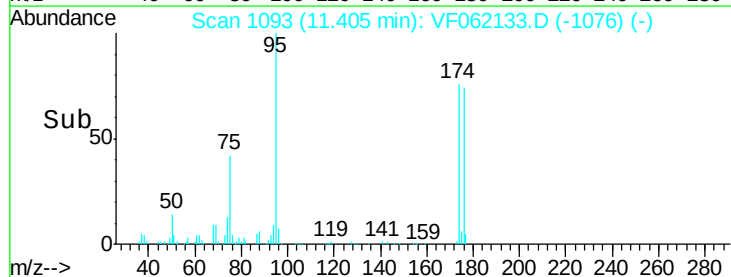
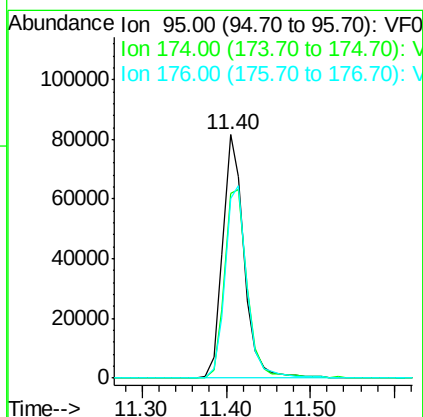
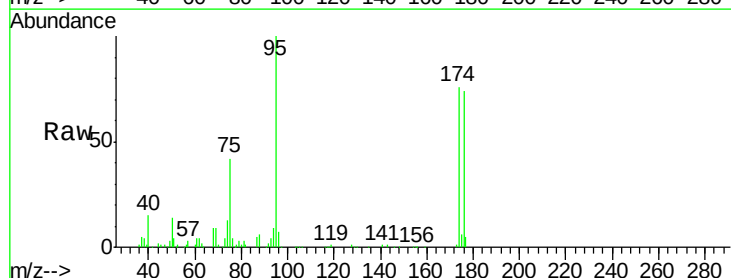
Instrument :
MSVOA_F
ClientSampleId :

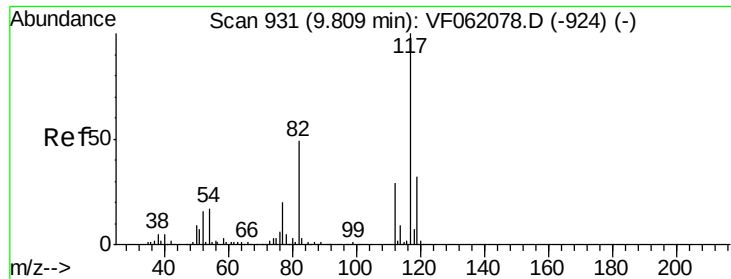
Tot Ion: 43 Resp: 1014
Ion Ratio Lower Upper
43 100
58 0.0 28.8 86.4#



#62
4-Bromofluorobenzene
Concen: 45.423 ug/l
RT: 11.40 min Scan# 1093
Delta R.T. -0.03 min
Lab File: VF062133.D
Acq: 25 Mar 2019 15:54

Tgt Ion: 95 Resp: 144278
Ion Ratio Lower Upper
95 100
174 75.9 0.0 168.2
176 74.0 0.0 164.2

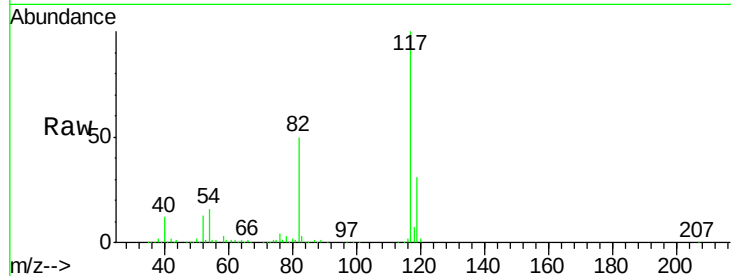




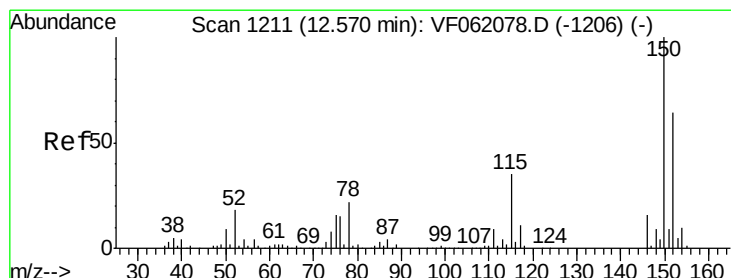
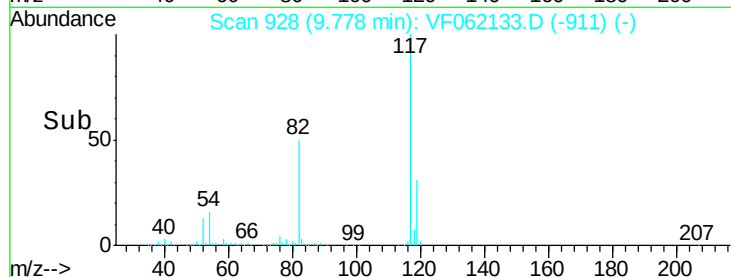
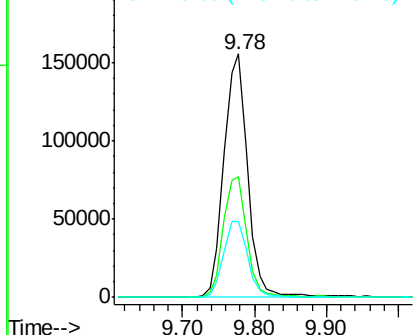
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF062133.D
Acq: 25 Mar 2019 15:54

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 355316
Ion Ratio Lower Upper
117 100
82 49.6 39.2 58.8
119 31.5 25.4 38.2

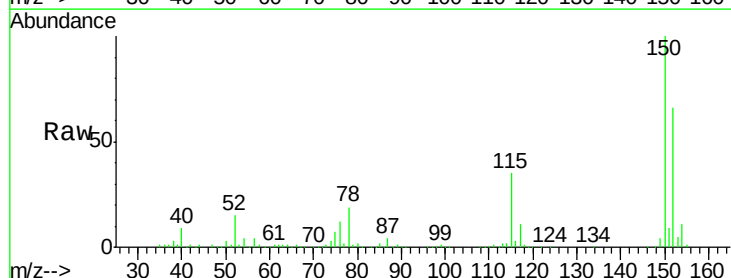


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF062133.D
Acq: 25 Mar 2019 15:54

Tgt Ion:152 Resp: 197498
Ion Ratio Lower Upper
152 100
115 52.9 27.7 83.1
150 152.3 0.0 313.2



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

