

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011119\
 Data File : VF061377.D
 Acq On : 11 Jan 2019 19:33
 Operator : VA/AP
 Sample : K1075-16RE
 Misc : 4.84g/5mL/MSVOA-F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 BASIN-8RE

Quant Time: Jan 12 03:34:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

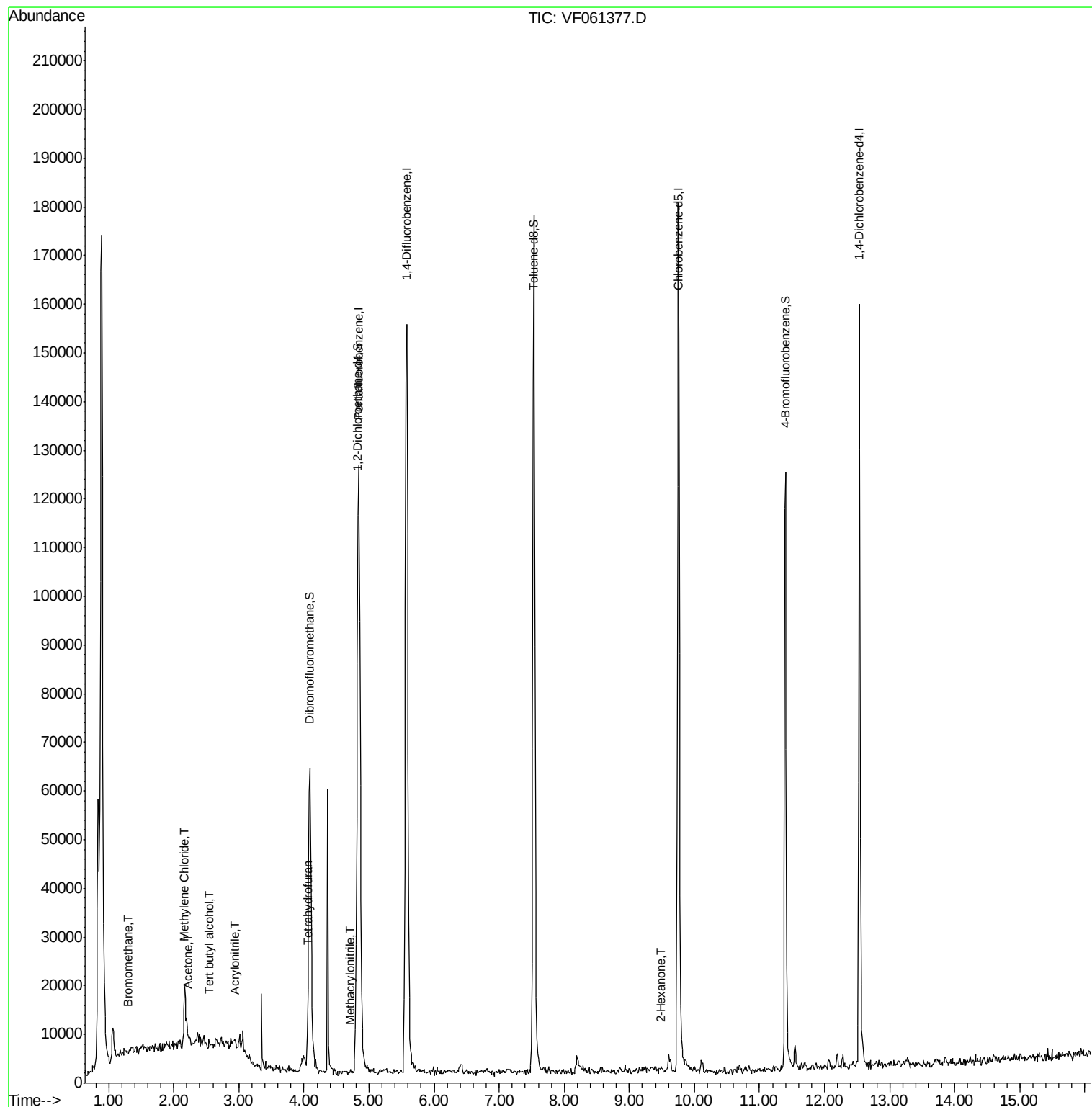
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	91726	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	174958	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	128370	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.53	152	39252	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	53995	52.89	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	105.78%	
35) Dibromofluoromethane	4.09	113	62364	46.58	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	93.16%	
50) Toluene-d8	7.53	98	149373	37.71	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	75.42%	
62) 4-Bromofluorobenzene	11.39	95	51840	29.97	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	59.94%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.30	94	455	3.278	ug/l #	6
11) Tert butyl alcohol	2.54	59	138	3.376	ug/l #	1
13) Acrolein	1.99	56	302	Below Cal		94
15) Acrylonitrile	2.94	53	304	2.098	ug/l #	12
16) Acetone	2.22	43	1461	6.152	ug/l	99
20) Methylene Chloride	2.17	84	6365	6.335	ug/l	87
29) Tetrahydrofuran	4.05	42	414	2.590	ug/l #	36
41) Methacrylonitrile	4.72	41	421	1.013	ug/l #	24
59) 2-Hexanone	9.47	43	1103	2.100	ug/l	95

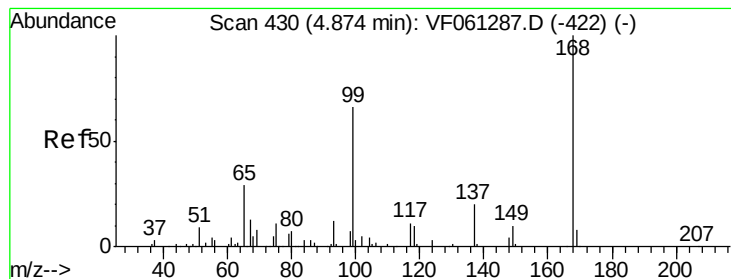
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF061377.D

Acq: 11 Jan 2019 19:33

Instrument :

MSVOA_F

ClientSampleId :

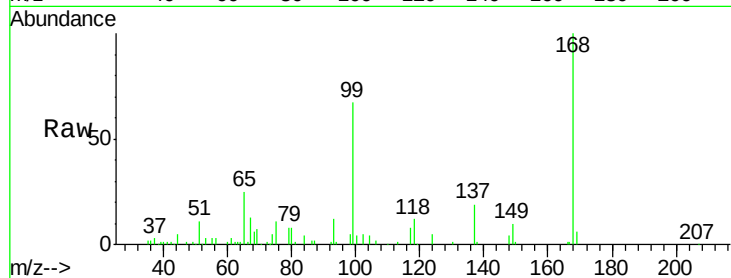
BASIN-8RE

Tot Ion:168 Resp: 91726

Ion Ratio Lower Upper

168 100

99 66.9 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

30000

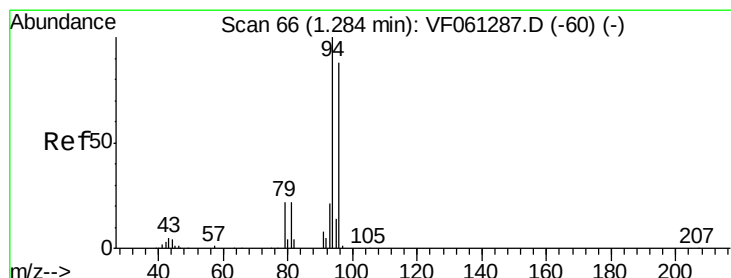
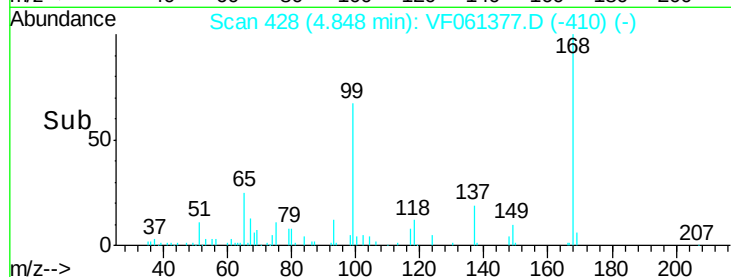
20000

10000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#5

Bromomethane

Concen: 3.278 ug/l

RT: 1.30 min Scan# 68

Delta R.T. 0.01 min

Lab File: VF061377.D

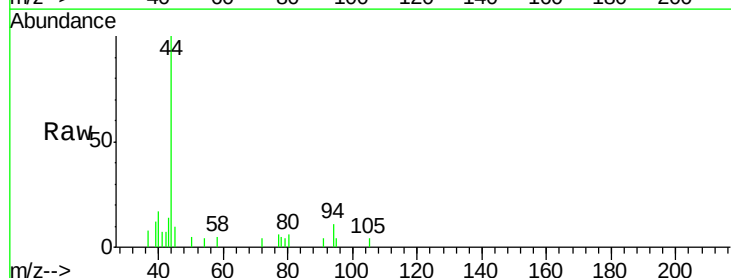
Acq: 11 Jan 2019 19:33

Tgt Ion: 94 Resp: 455

Ion Ratio Lower Upper

94 100

96 0.0 70.2 105.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.30

300

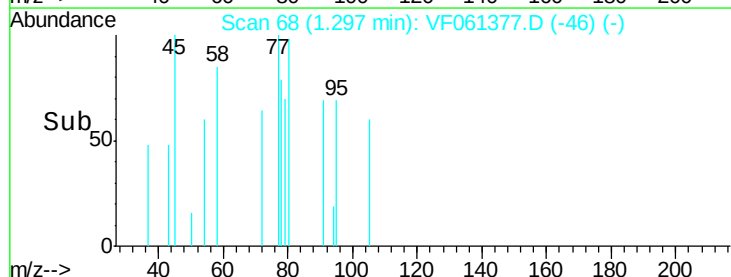
200

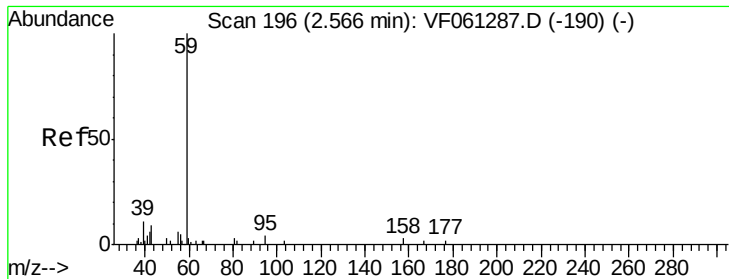
100

0

1.24 1.26 1.28 1.30 1.32

Time-->



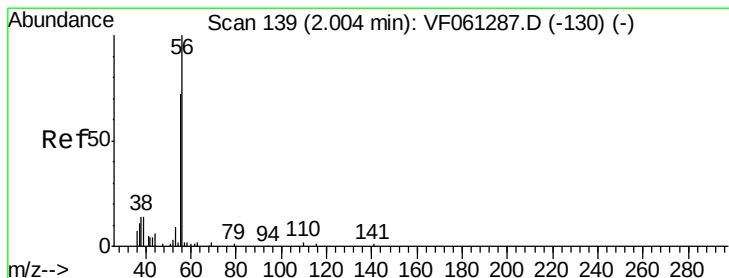
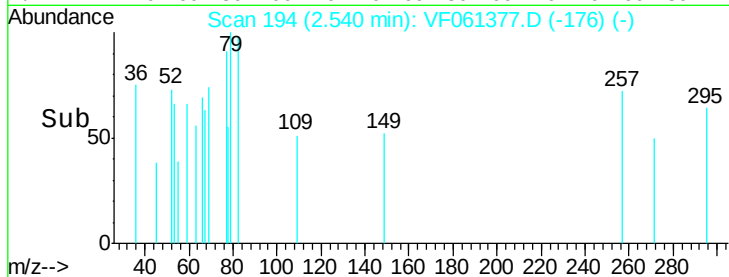
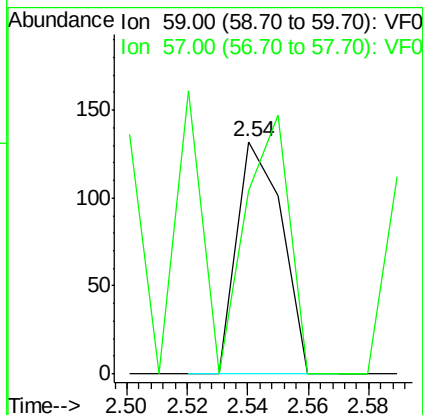
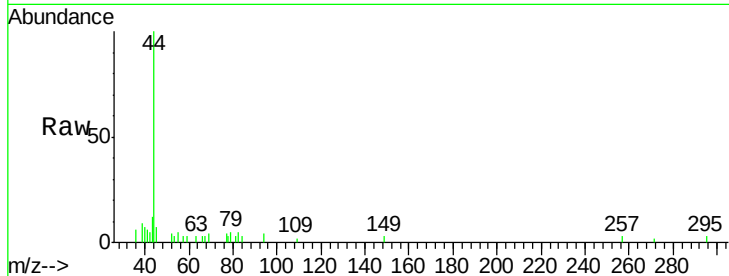


#11

Tert butyl alcohol
 Concen: 3.376 ug/l
 RT: 2.54 min Scan# 194
 Delta R.T. -0.03 min
 Lab File: VF061377.D
 Acq: 11 Jan 2019 19:33

Instrument :
 MSVOA_F
 ClientSampleId :
 BASIN-8RE

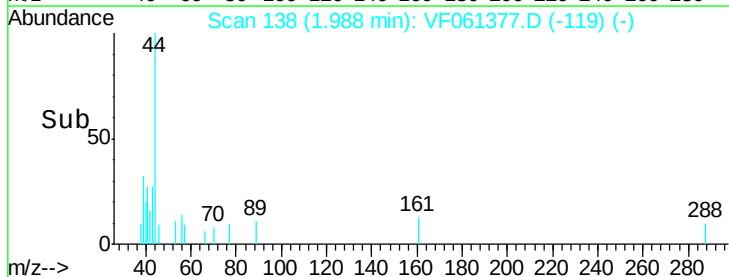
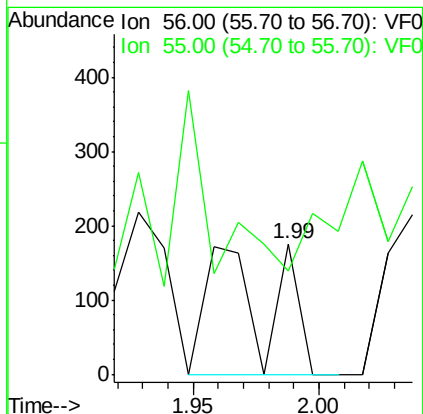
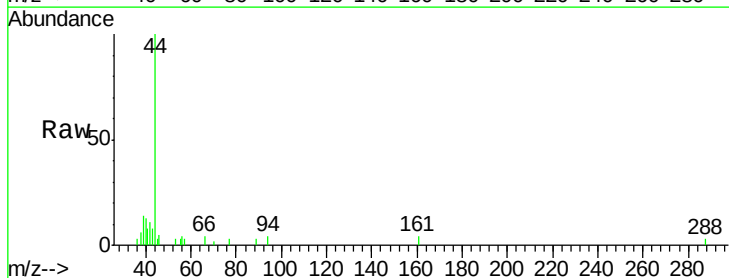
Tot Ion: 59 Resp: 138
 Ion Ratio Lower Upper
 59 100
 57 78.8 15.1 22.7#

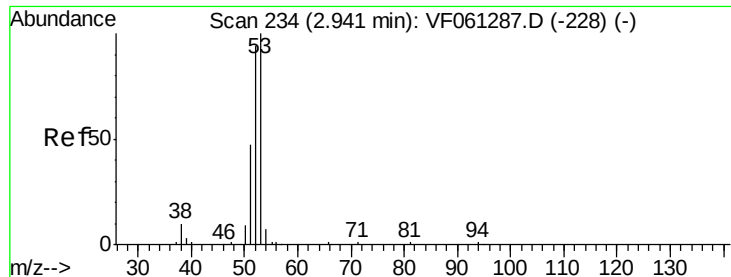


#13

Acrolein
 Concen: Below Cal
 RT: 1.99 min Scan# 138
 Delta R.T. -0.02 min
 Lab File: VF061377.D
 Acq: 11 Jan 2019 19:33

Tgt Ion: 56 Resp: 302
 Ion Ratio Lower Upper
 56 100
 55 79.0 59.4 89.0





#15

Acrylonitrile

Concen: 2.098 ug/l

RT: 2.94 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF061377.D

Acq: 11 Jan 2019 19:33

Instrument :

MSVOA_F

ClientSampled :

BASIN-8RE

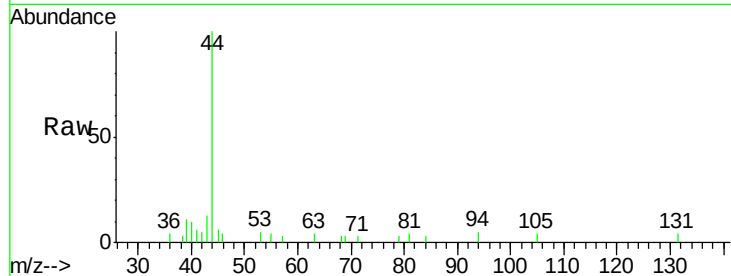
Tot Ion: 53 Resp: 304

Ion Ratio Lower Upper

53 100

52 0.0 74.6 111.8#

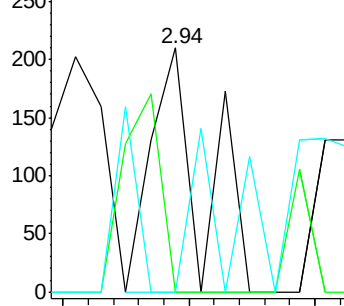
51 0.0 37.8 56.6#



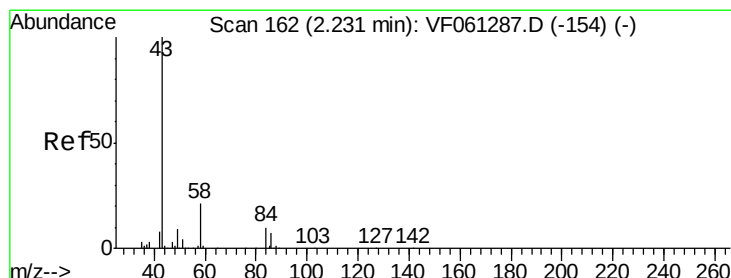
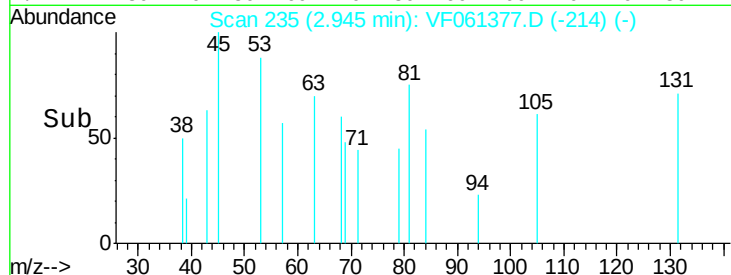
Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time--> 2.90 2.95 3.00



#16

Acetone

Concen: 6.152 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061377.D

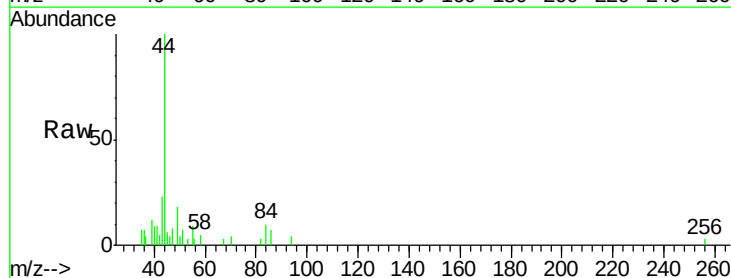
Acq: 11 Jan 2019 19:33

Tgt Ion: 43 Resp: 1461

Ion Ratio Lower Upper

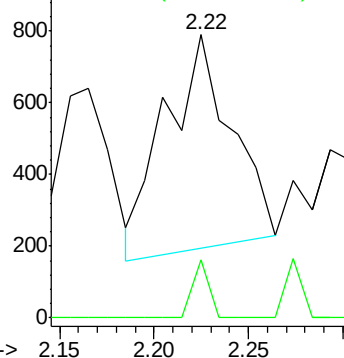
43 100

58 20.5 16.6 25.0

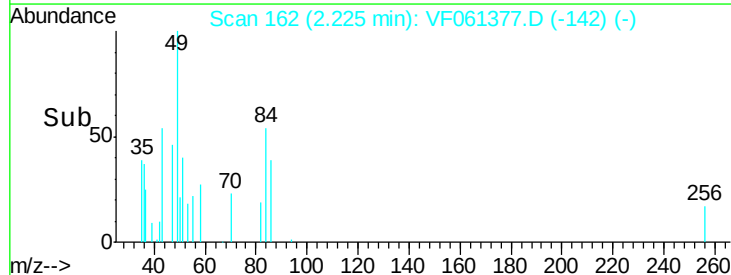


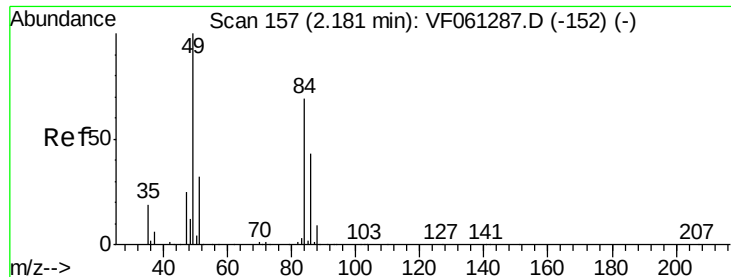
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time--> 2.15 2.20 2.25

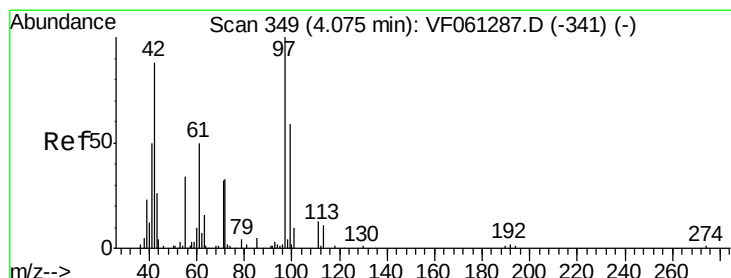
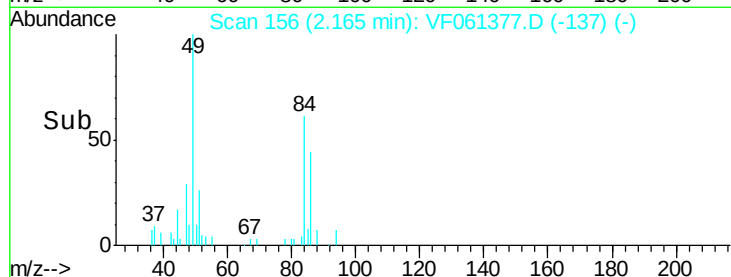
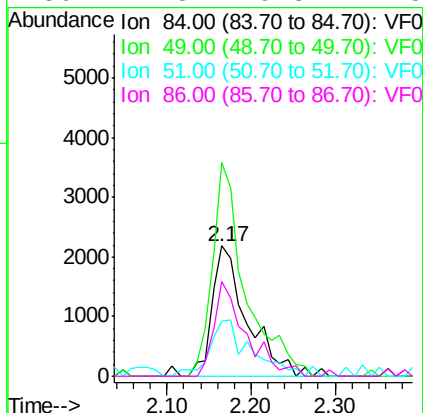
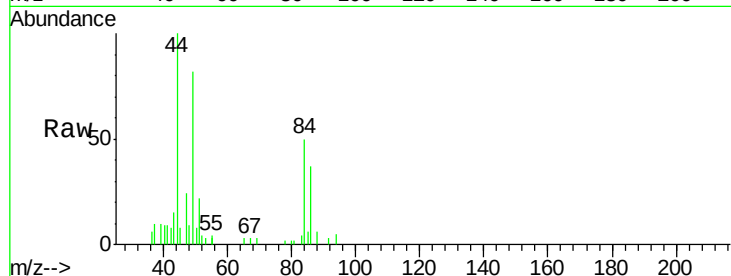




#20
Methvlene Chloride
Concen: 6.335 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.02 min
Lab File: VF061377.D
Acq: 11 Jan 2019 19:33

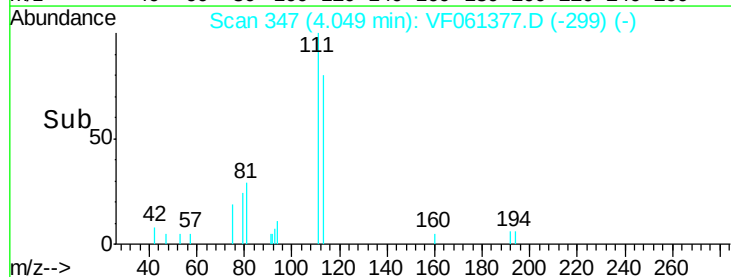
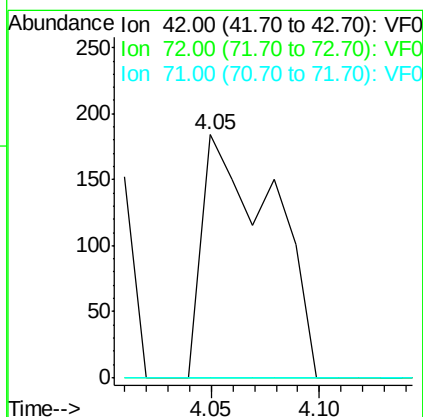
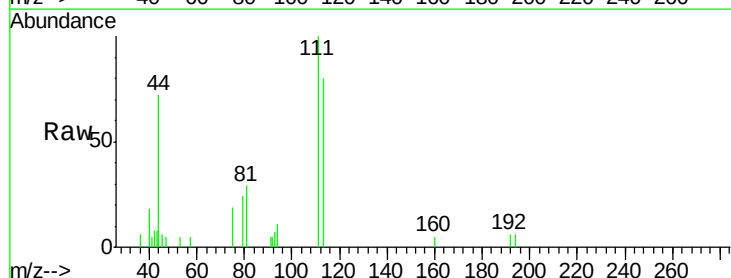
Instrument :
MSVOA_F
ClientSampleId :
BASIN-8RE

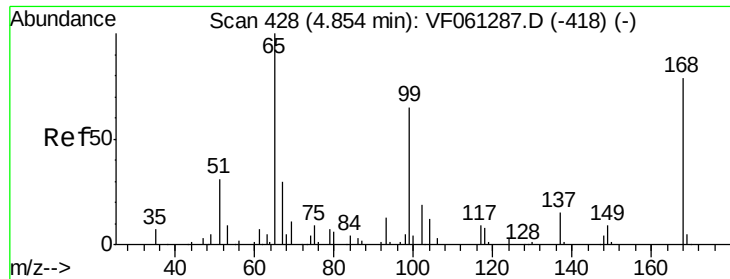
Tot Ion:	84	Resp:	6365
Ion	Ratio	Lower	Upper
84	100		
49	164.0	116.6	175.0
51	42.8	37.7	56.5
86	72.8	49.8	74.8



#29
Tetrahydrofuran
Concen: 2.590 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.03 min
Lab File: VF061377.D
Acq: 11 Jan 2019 19:33

Tgt Ion:	42	Resp:	414
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.3	48.5#
71	0.0	29.5	44.3#

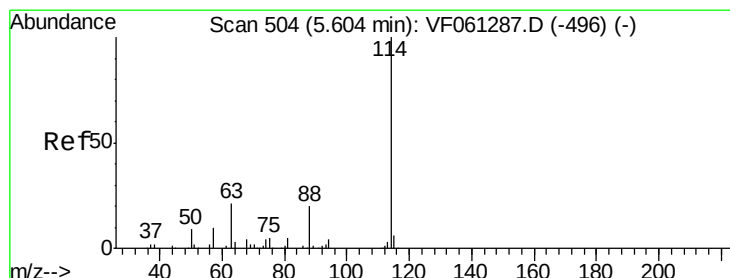
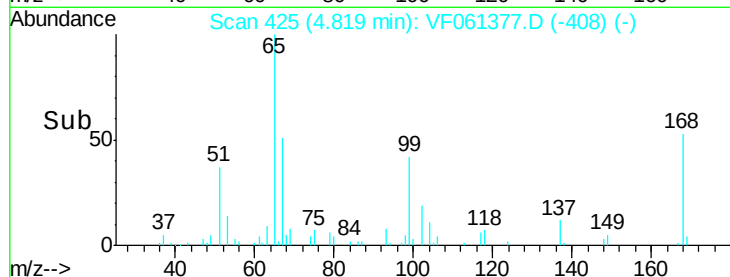
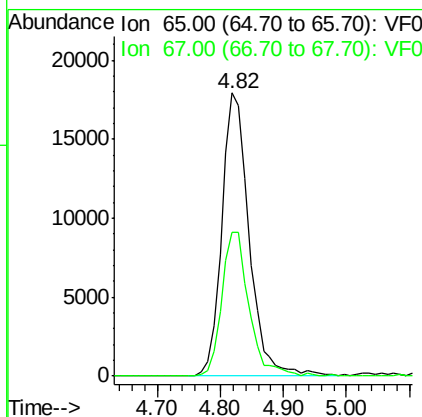
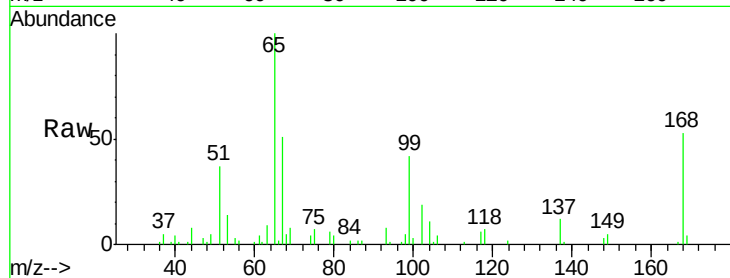




#33
 1,2-Dichloroethane-d4
 Concen: 52.886 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.04 min
 Lab File: VF061377.D
 Acq: 11 Jan 2019 19:33

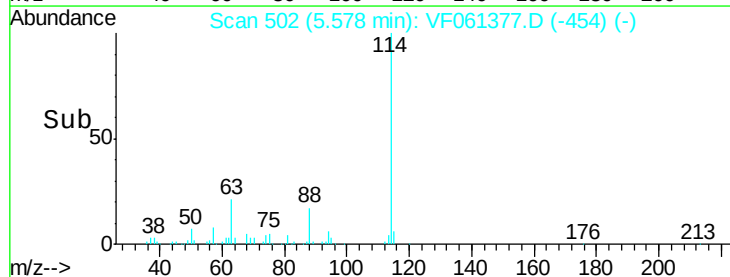
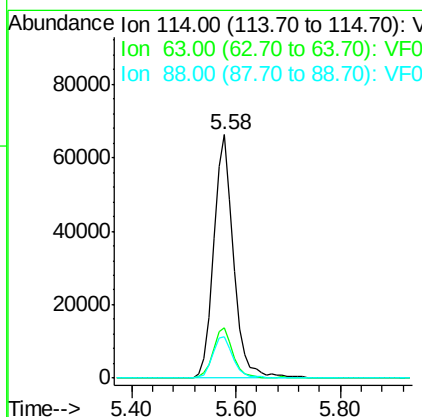
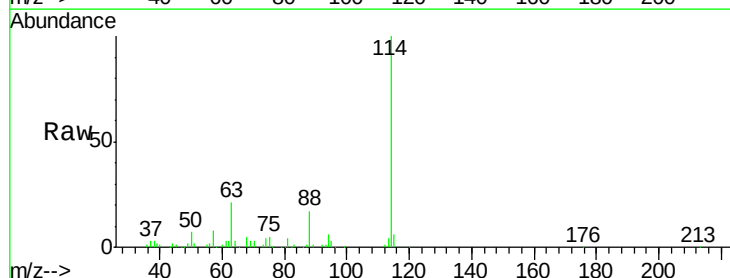
Instrument :
 MSVOA_F
 ClientSampleId :
 BASIN-8RE

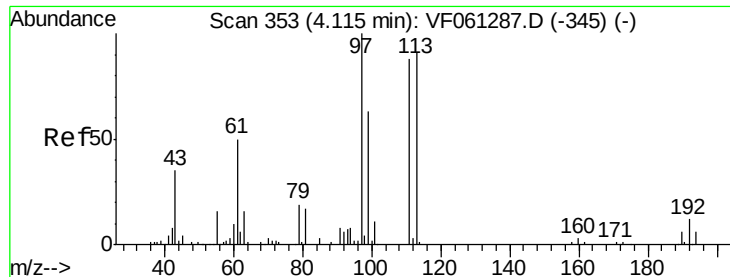
Tot Ion: 65 Resp: 53995
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.03 min
 Lab File: VF061377.D
 Acq: 11 Jan 2019 19:33

Tgt Ion: 114 Resp: 174958
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.8
 88 16.8 0.0 40.0





#35

Dibromofluoromethane

Concen: 46.585 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF061377.D

Acq: 11 Jan 2019 19:33

Instrument :

MSVOA_F

ClientSampleId :

BASIN-8RE

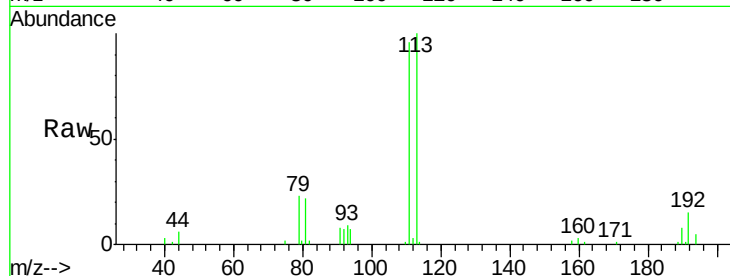
Tot Ion:113 Resp: 62364

Ion Ratio Lower Upper

113 100

111 95.8 78.0 117.0

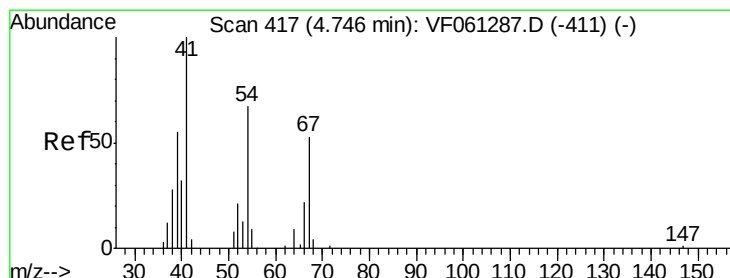
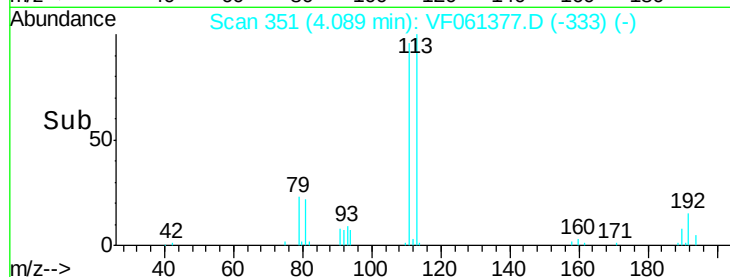
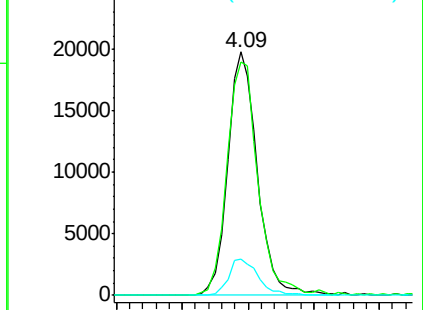
192 14.8 10.6 16.0



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



#41

Methacrylonitrile

Concen: 1.013 ug/l

RT: 4.72 min Scan# 415

Delta R.T. -0.03 min

Lab File: VF061377.D

Acq: 11 Jan 2019 19:33

Tgt Ion: 41 Resp: 421

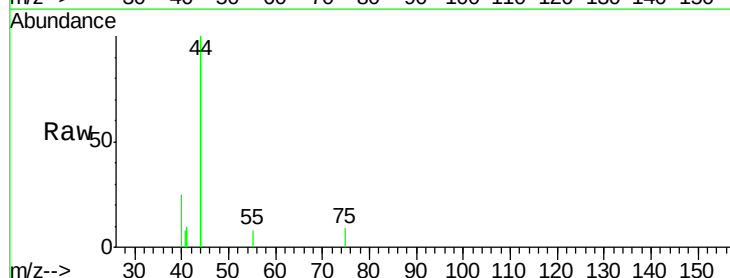
Ion Ratio Lower Upper

41 100

39 0.0 52.7 79.1#

67 0.0 41.4 62.2#

52 0.0 33.0 49.4#

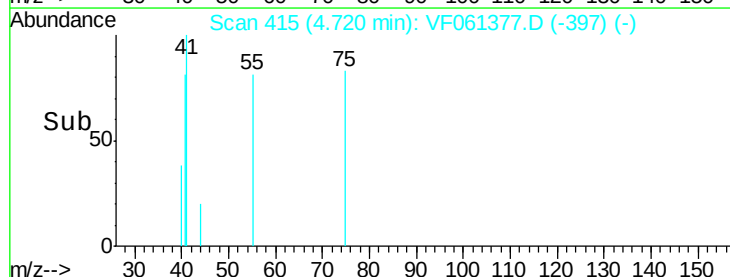
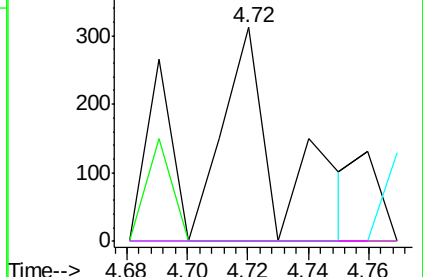


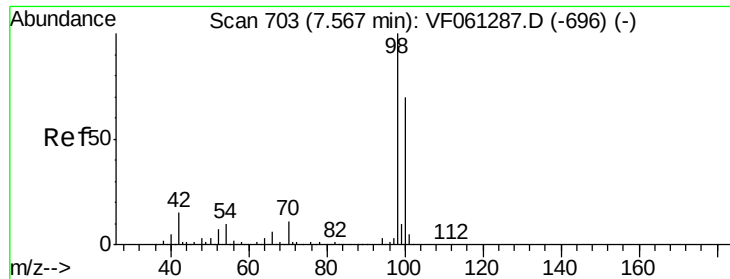
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

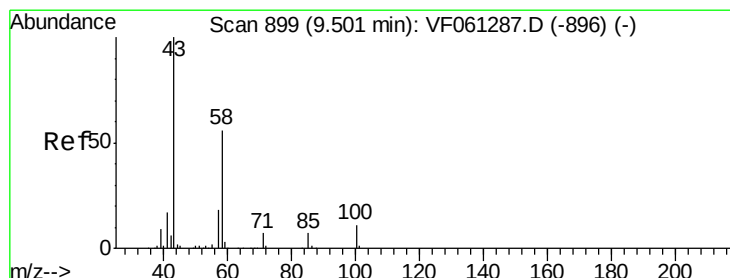
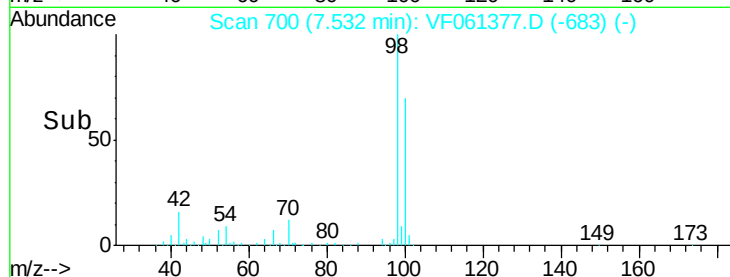
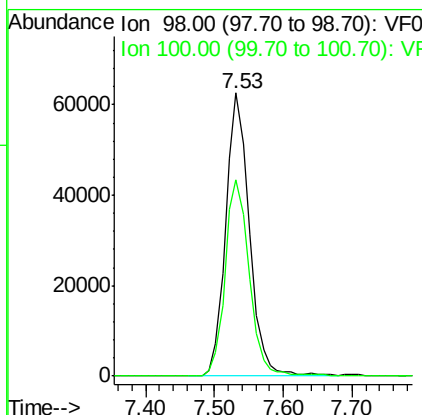
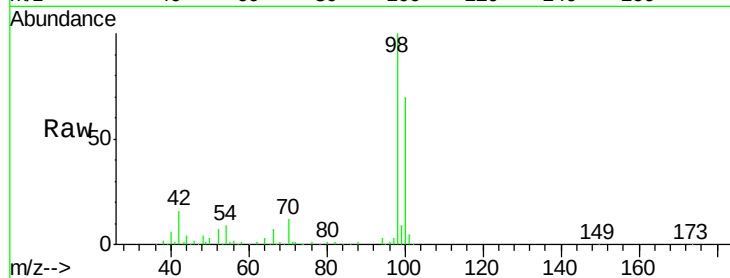




#50
Toluene-d8
Concen: 37.705 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.04 min
Lab File: VF061377.D
Acq: 11 Jan 2019 19:33

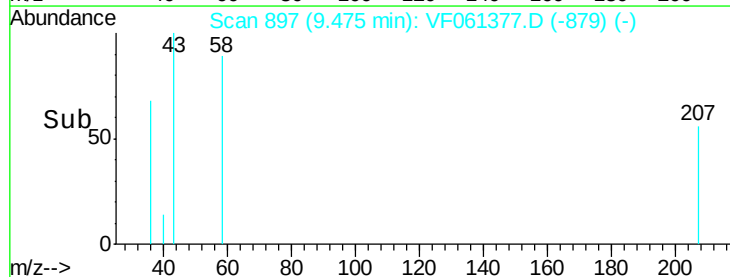
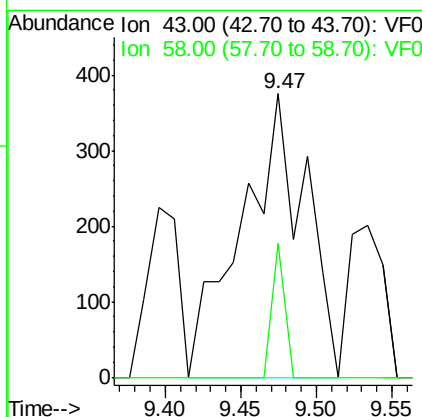
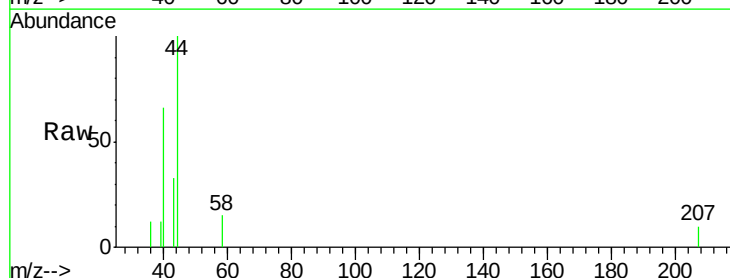
Instrument :
MSVOA_F
ClientSampleId :
BASIN-8RE

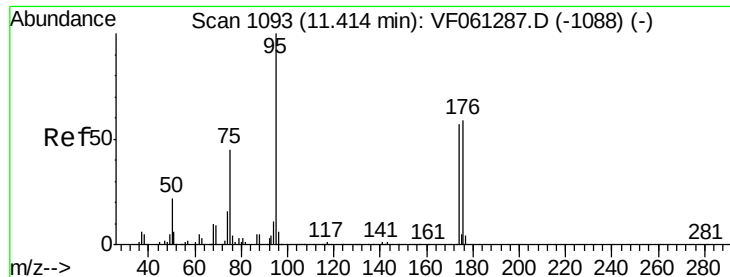
Tot Ion: 98 Resp: 149373
Ion Ratio Lower Upper
98 100
100 69.6 55.6 83.4



#59
2-Hexanone
Concen: 2.100 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.03 min
Lab File: VF061377.D
Acq: 11 Jan 2019 19:33

Tgt Ion: 43 Resp: 1103
Ion Ratio Lower Upper
43 100
58 47.5 25.6 76.8





#62

4-Bromofluorobenzene

Concen: 29.968 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.03 min

Lab File: VF061377.D

Acq: 11 Jan 2019 19:33

Instrument :

MSVOA_F

ClientSampleId :

BASIN-8RE

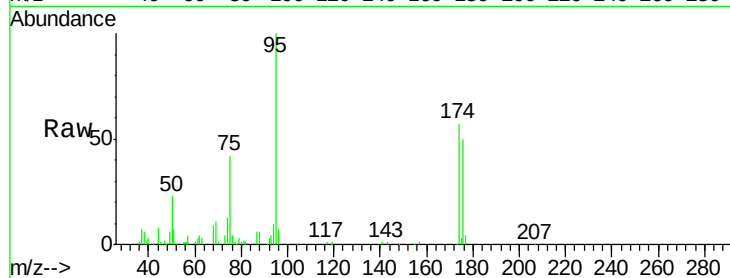
Tot Ion: 95 Resp: 51840

Ion Ratio Lower Upper

95 100

174 57.2 0.0 114.2

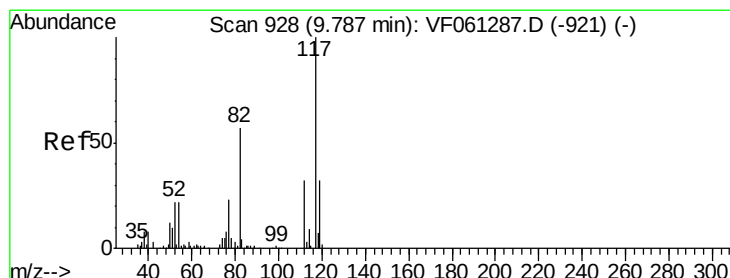
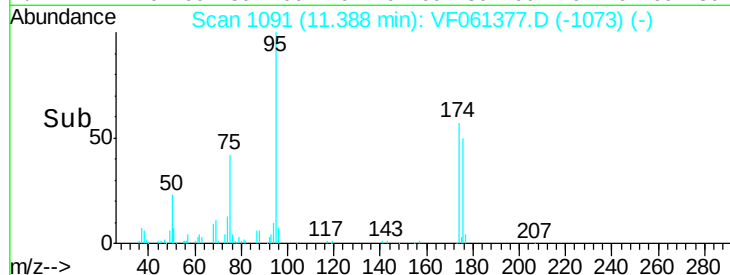
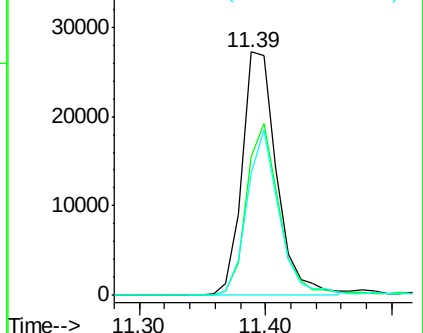
176 50.3 0.0 117.8



Abundance Ion 95.00 (94.70 to 95.70): VF061287.D (-1088) (-)

Ion 174.00 (173.70 to 174.70): VF061287.D (-1088) (-)

Ion 176.00 (175.70 to 176.70): VF061287.D (-1088) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.75 min Scan# 925

Delta R.T. -0.04 min

Lab File: VF061377.D

Acq: 11 Jan 2019 19:33

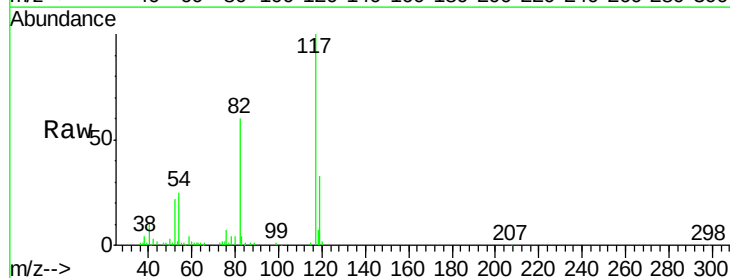
Tgt Ion: 117 Resp: 128370

Ion Ratio Lower Upper

117 100

82 59.9 45.3 67.9

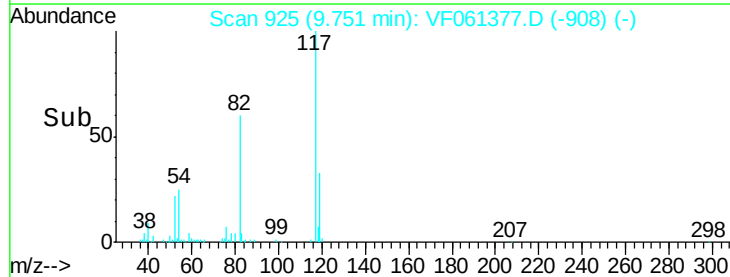
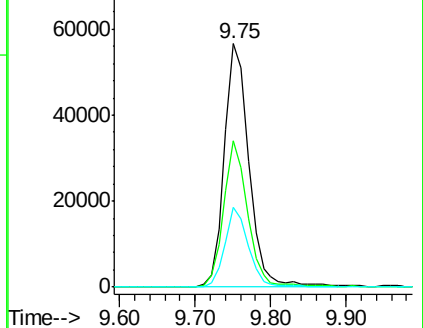
119 32.5 25.4 38.0

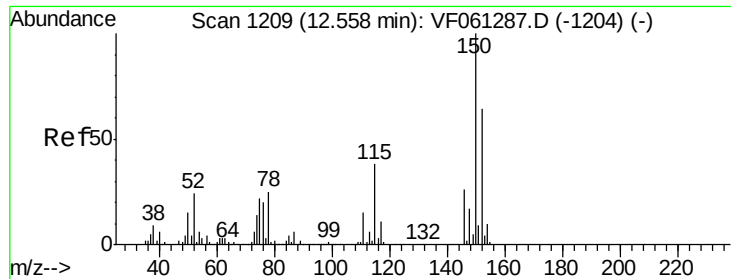


Abundance Ion 117.00 (116.70 to 117.70): VF061287.D (-921) (-)

Ion 82.00 (81.70 to 82.70): VF061287.D (-921) (-)

Ion 119.00 (118.70 to 119.70): VF061287.D (-921) (-)



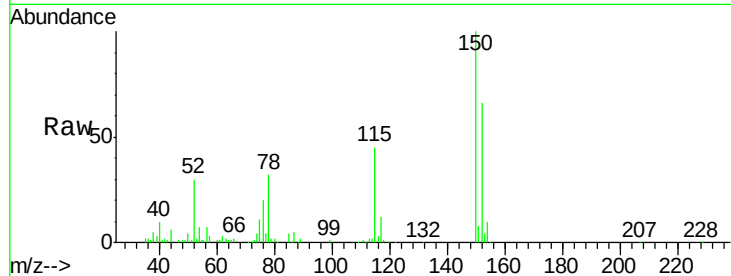


#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. -0.03 min
 Lab File: VF061377.D
 Acq: 11 Jan 2019 19:33

Instrument :
 MSVOA_F
 ClientSampleId :
 BASIN-8RE

Tot Ion	Ratio	Lower	Upper
152	100		
115	68.3	29.6	88.9
150	152.3	0.0	315.4



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

