

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011119\
 Data File : VF061375.D
 Acq On : 11 Jan 2019 18:35
 Operator : VA/AP
 Sample : K1075-12RE
 Misc : 4.07g/5mL/MSVOA-F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 BASIN-6RE

Quant Time: Jan 12 03:34:27 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	38219	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	67585	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	46994	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.53	152	12084	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	21691	50.99	ug/l	-0.02
Spiked Amount 50.000			Recovery =	101.98%		
35) Dibromofluoromethane	4.09	113	26235	50.73	ug/l	-0.02
Spiked Amount 50.000			Recovery =	101.46%		
50) Toluene-d8	7.53	98	74591	48.74	ug/l	-0.03
Spiked Amount 50.000			Recovery =	97.48%		
62) 4-Bromofluorobenzene	11.40	95	18632	27.88	ug/l	-0.01
Spiked Amount 50.000			Recovery =	55.76%		

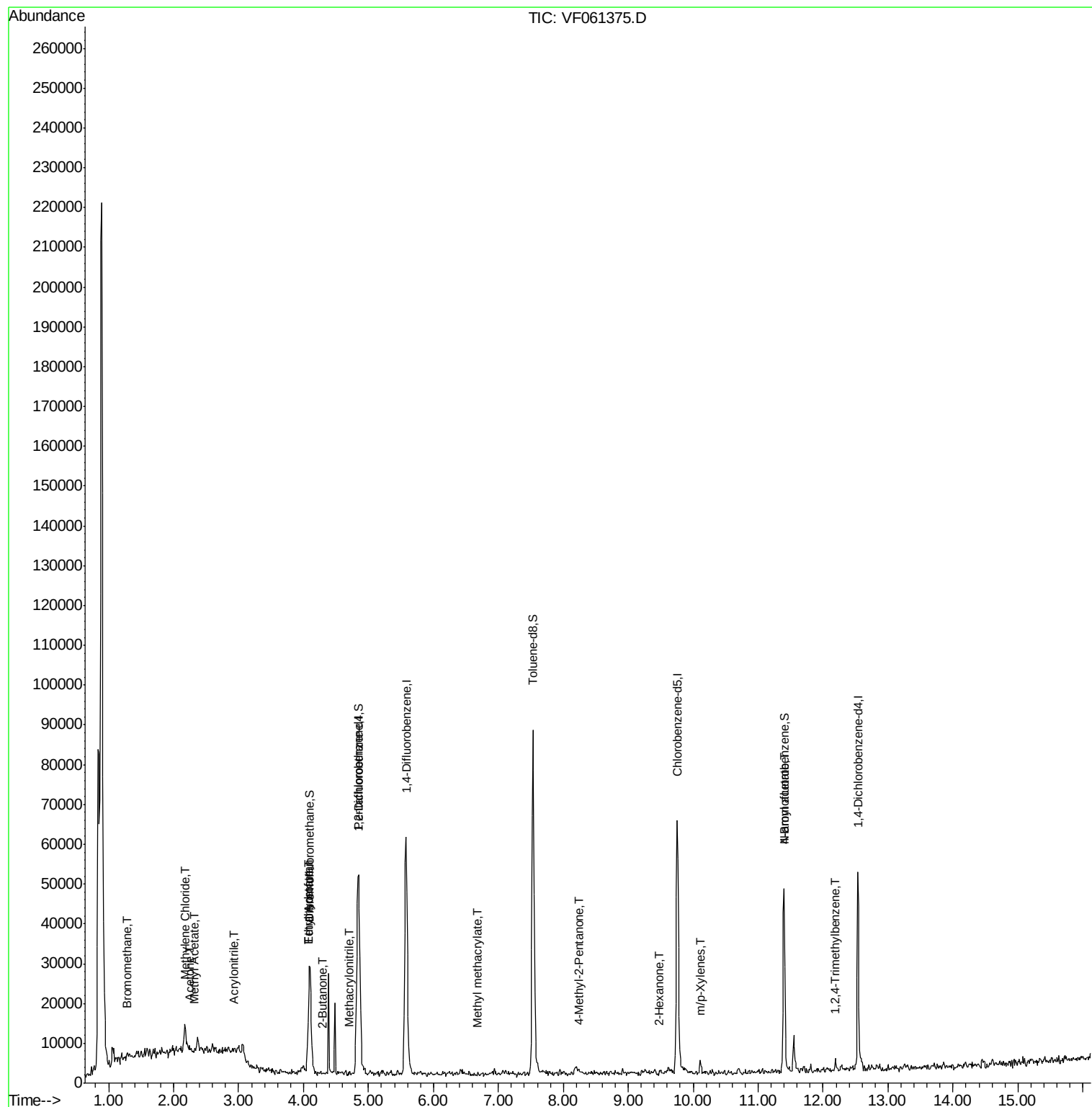
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.30	94	477	3.829	ug/l #	6
13) Acrolein	1.96	56	330	Below Cal		84
15) Acrylonitrile	2.94	53	333	5.515	ug/l #	70
16) Acetone	2.24	43	1797	18.159	ug/l #	55
18) Methyl Acetate	2.32	43	639	3.282	ug/l #	65
20) Methylene Chloride	2.17	84	3374	8.059	ug/l #	87
25) 2-Butanone	4.30	43	637	3.999	ug/l #	56
29) Tetrahydrofuran	4.07	42	324	4.865	ug/l #	36
37) Ethyl Acetate	4.07	43	339	1.180	ug/l #	1
41) Methacrylonitrile	4.72	41	449	2.798	ug/l #	24
48) Methyl methacrylate	6.68	41	291	1.182	ug/l #	40
51) 4-Methyl-2-Pentanone	8.24	43	1274	4.448	ug/l #	83
59) 2-Hexanone	9.48	43	642	3.164	ug/l	87
68) m/p-Xylenes	10.11	106	752	1.178	ug/l #	31
74) N-amyl acetate	11.39	43	397	1.642	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.19	105	1433	1.706	ug/l	69

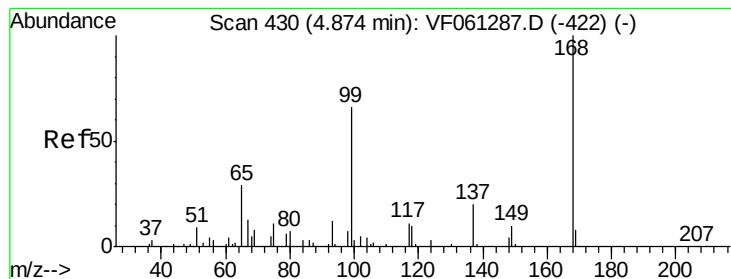
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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. -0.02 min

Lab File: VF061375.D

Acq: 11 Jan 2019 18:35

Instrument :

MSVOA_F

ClientSampleId :

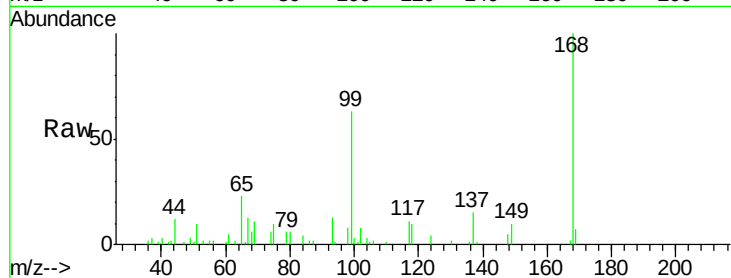
BASIN-6RE

Tot Ion:168 Resp: 38219

Ion Ratio Lower Upper

168 100

99 63.3 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

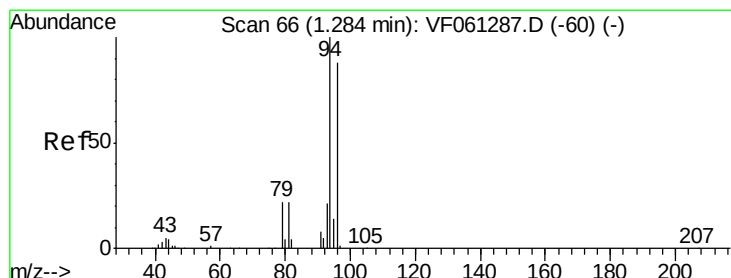
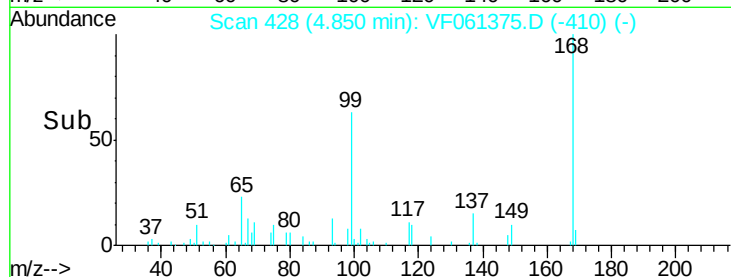
15000

10000

5000

0

Time--> 4.70 4.80 4.90 5.00



#5

Bromomethane

Concen: 3.829 ug/l

RT: 1.30 min Scan# 68

Delta R.T. 0.02 min

Lab File: VF061375.D

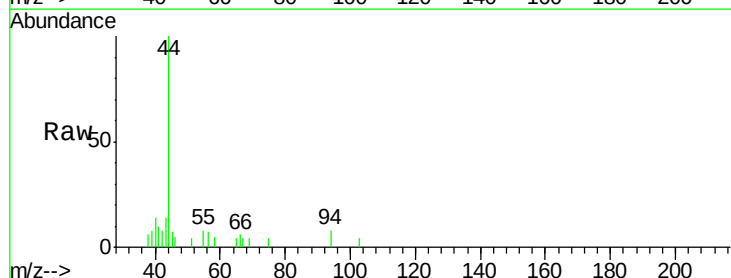
Acq: 11 Jan 2019 18:35

Tgt Ion: 94 Resp: 477

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

250

200

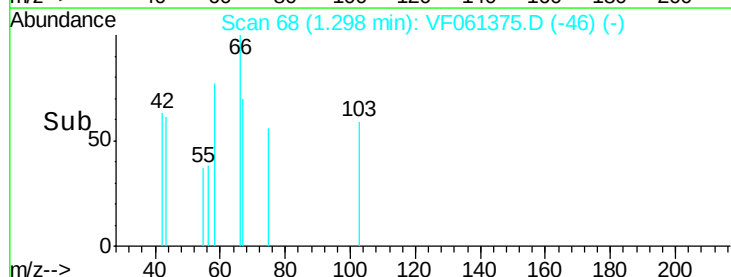
150

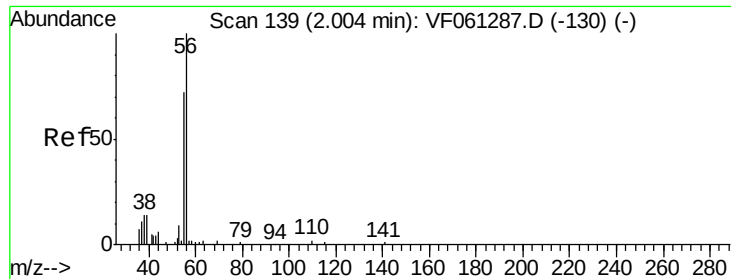
100

50

0

Time--> 1.25 1.30





#13

Acrolein

Concen: Below Cal

RT: 1.96 min Scan# 135

Delta R.T. -0.04 min

Lab File: VF061375.D

Acq: 11 Jan 2019 18:35

Instrument :

MSVOA_F

ClientSampled :

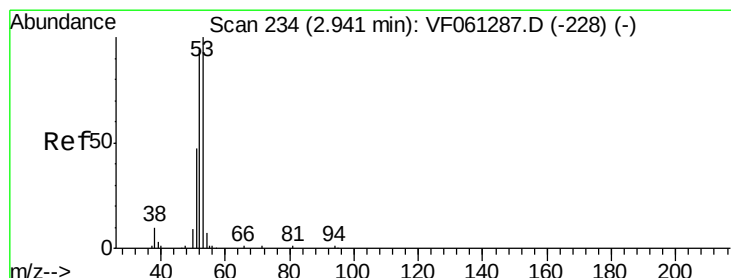
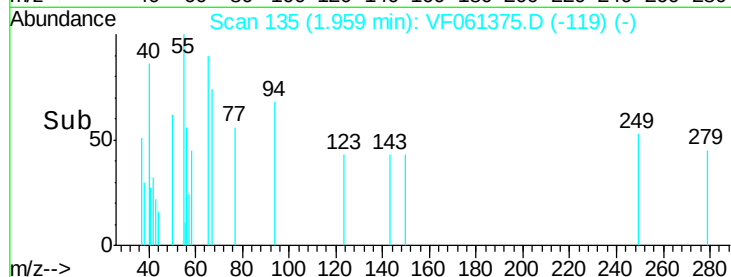
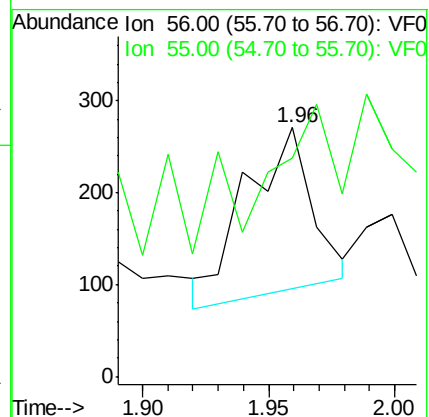
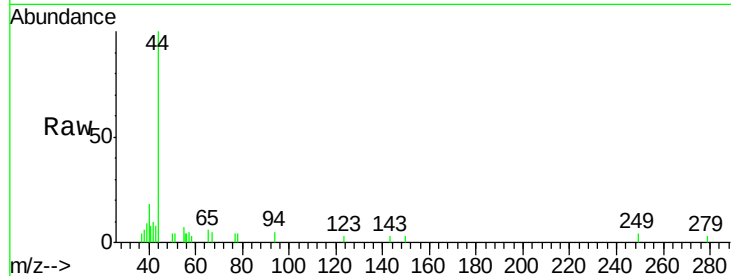
BASIN-6RE

Tot Ion: 56 Resp: 330

Ion Ratio Lower Upper

56 100

55 87.5 59.4 89.0



#15

Acrylonitrile

Concen: 5.515 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF061375.D

Acq: 11 Jan 2019 18:35

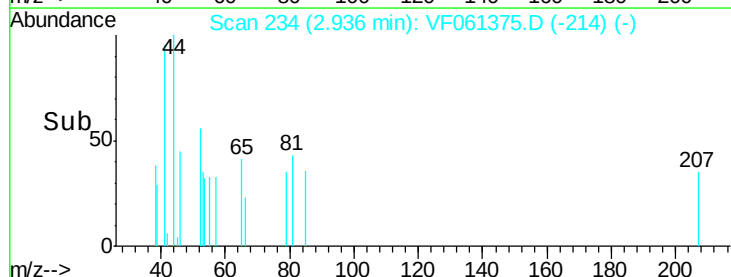
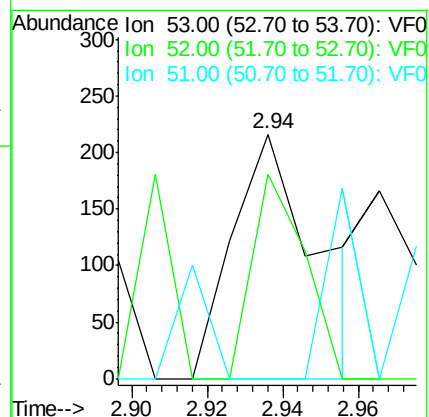
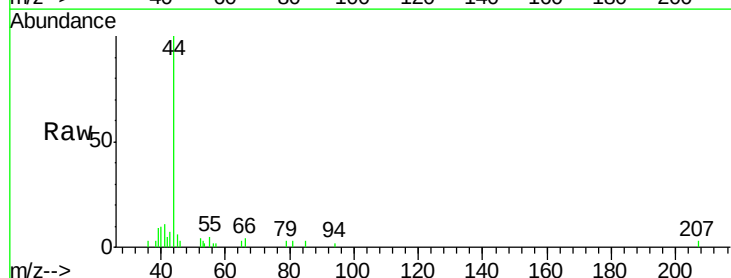
Tgt Ion: 53 Resp: 333

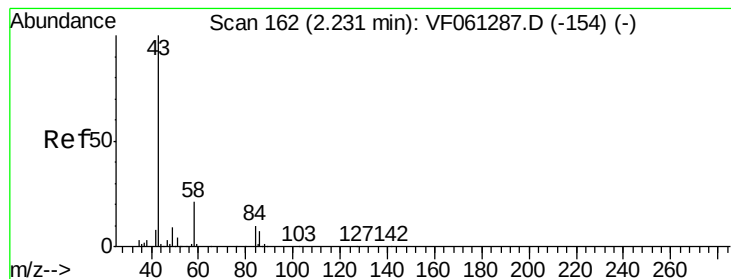
Ion Ratio Lower Upper

53 100

52 83.8 74.6 111.8

51 0.0 37.8 56.6#





#16

Acetone

Concen: 18.159 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061375.D

Acq: 11 Jan 2019 18:35

Instrument :

MSVOA_F

ClientSampled :

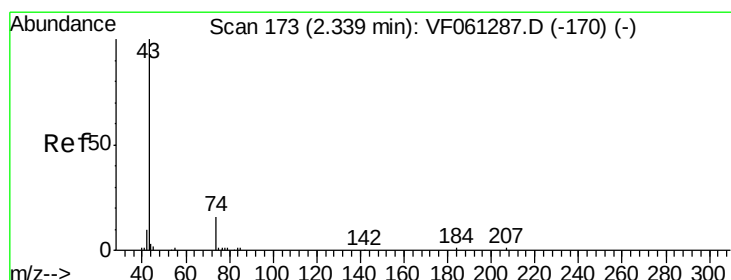
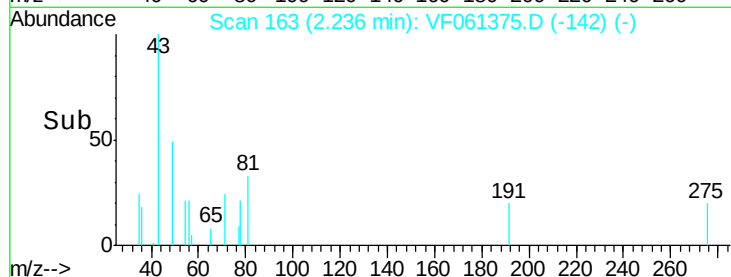
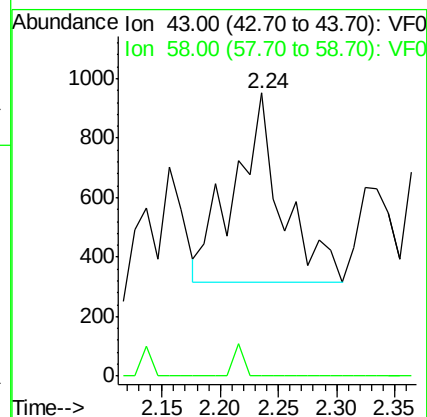
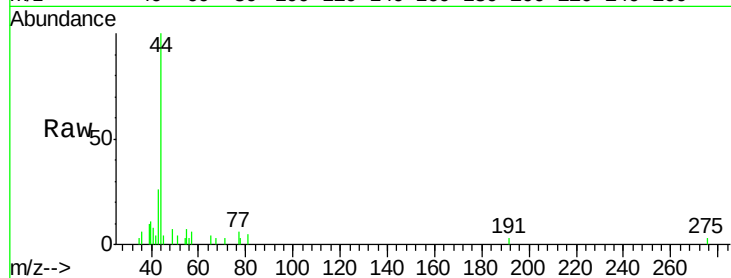
BASIN-6RE

Tot Ion: 43 Resp: 1797

Ion Ratio Lower Upper

43 100

58 0.0 16.6 25.0#



#18

Methyl Acetate

Concen: 3.282 ug/l

RT: 2.32 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF061375.D

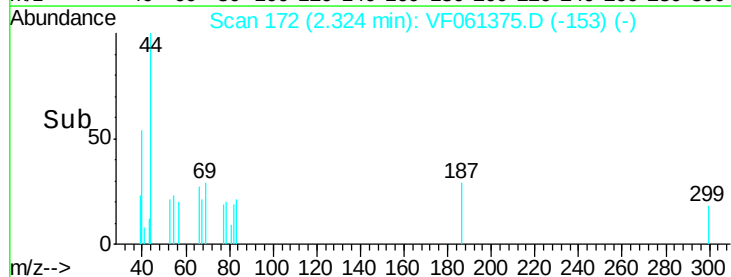
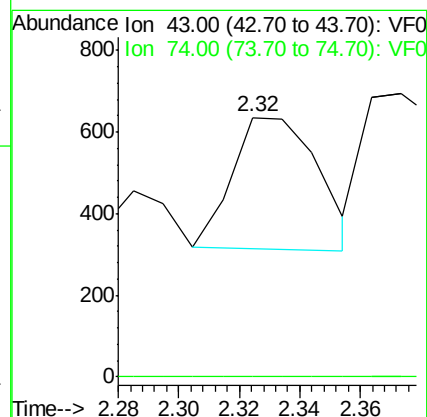
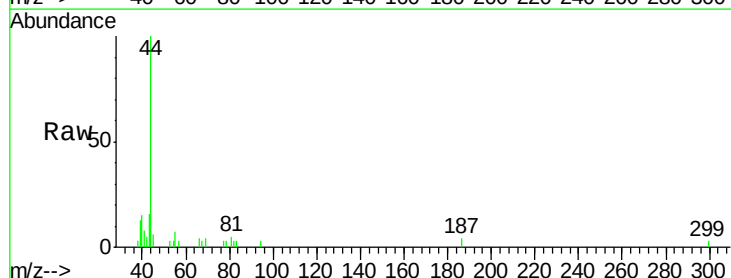
Acq: 11 Jan 2019 18:35

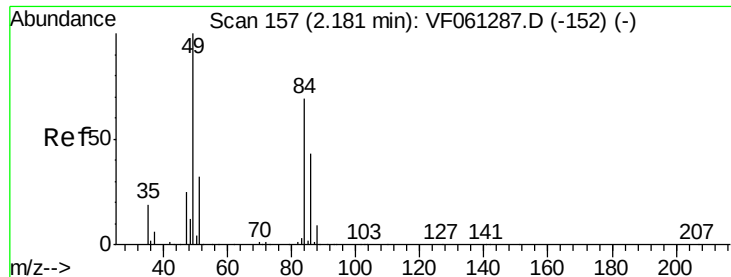
Tgt Ion: 43 Resp: 639

Ion Ratio Lower Upper

43 100

74 0.0 11.6 17.4#

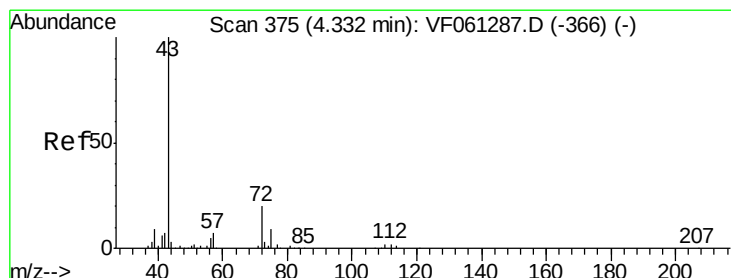
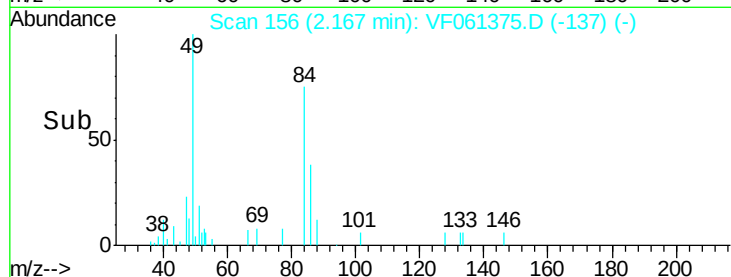
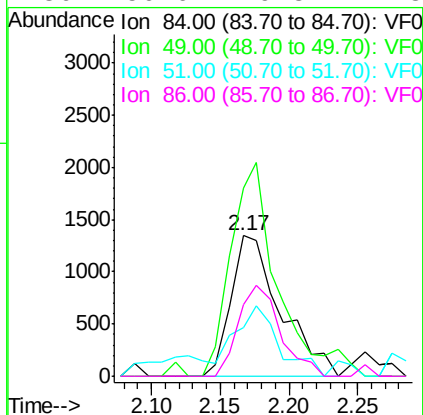
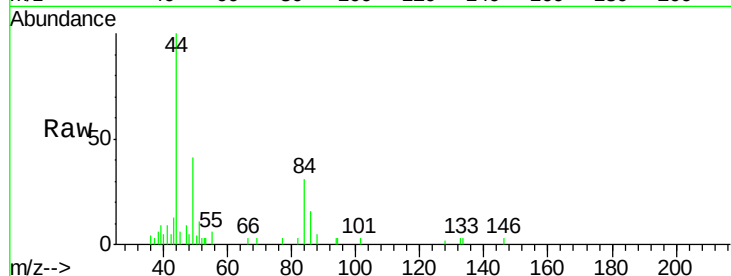




#20
Methvlene Chloride
Concen: 8.059 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF061375.D
Acq: 11 Jan 2019 18:35

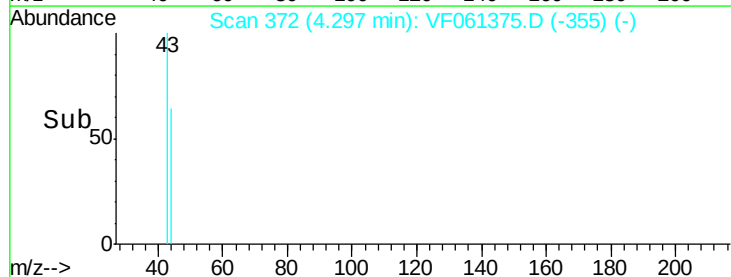
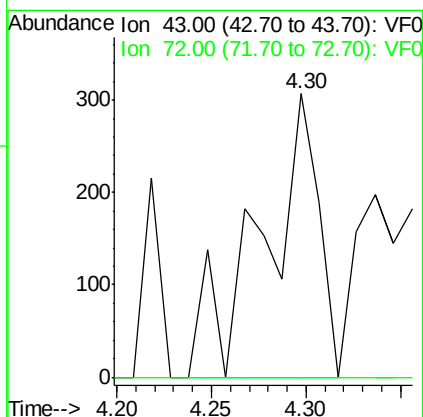
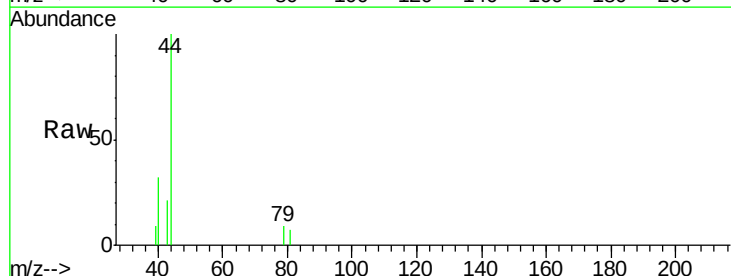
Instrument :
MSVOA_F
ClientSampled :
BASIN-6RE

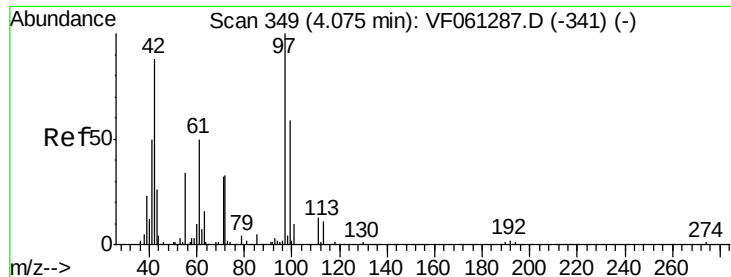
Tot Ion: 84 Resp: 3374
Ion Ratio Lower Upper
84 100
49 133.8 116.6 175.0
51 34.7 37.7 56.5#
86 50.6 49.8 74.8



#25
2-Butanone
Concen: 3.999 ug/l
RT: 4.30 min Scan# 372
Delta R.T. -0.03 min
Lab File: VF061375.D
Acq: 11 Jan 2019 18:35

Tgt Ion: 43 Resp: 637
Ion Ratio Lower Upper
43 100
72 0.0 16.5 24.7#





#29

Tetrahydrofuran

Concen: 4.865 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.00 min

Lab File: VF061375.D

Acq: 11 Jan 2019 18:35

Instrument :

MSVOA_F

ClientSampleId :

BASIN-6RE

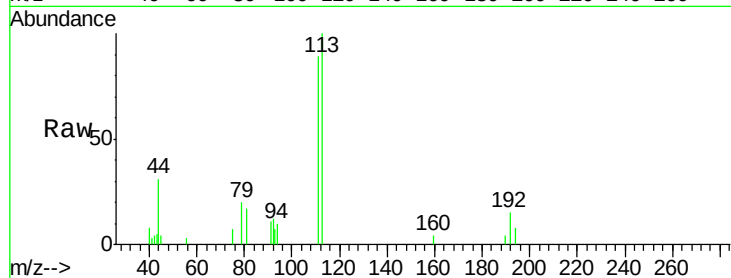
Tot Ion: 42 Resp: 324

Ion Ratio Lower Upper

42 100

72 0.0 32.3 48.5#

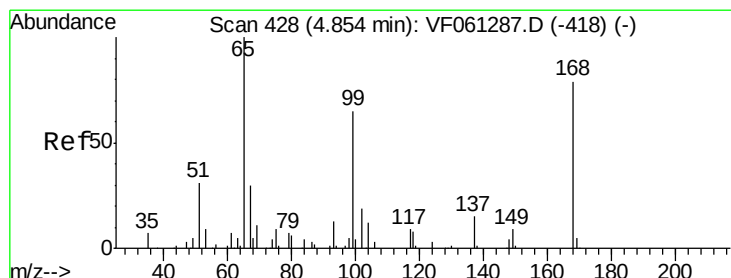
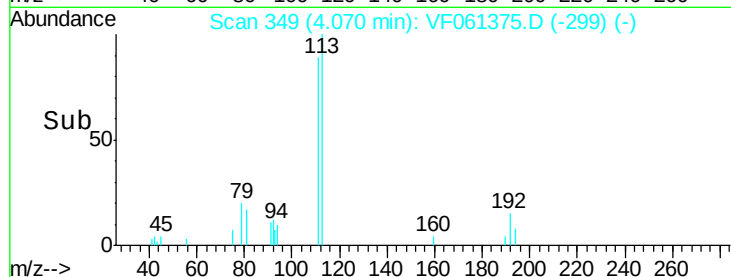
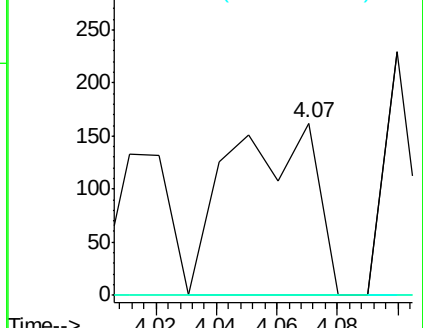
71 0.0 29.5 44.3#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 50.990 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.02 min

Lab File: VF061375.D

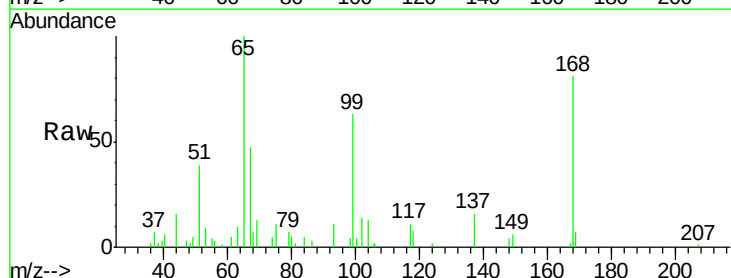
Acq: 11 Jan 2019 18:35

Tgt Ion: 65 Resp: 21691

Ion Ratio Lower Upper

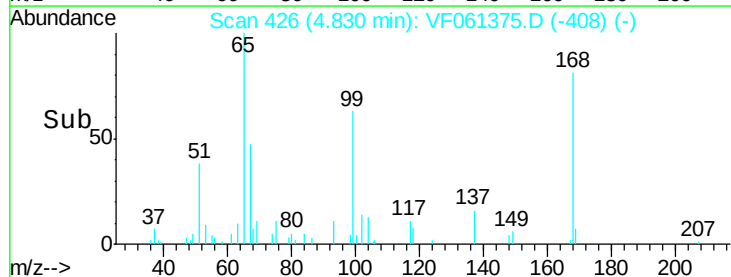
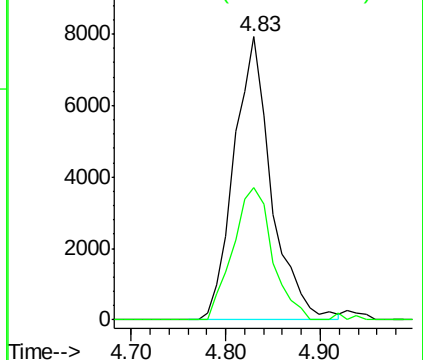
65 100

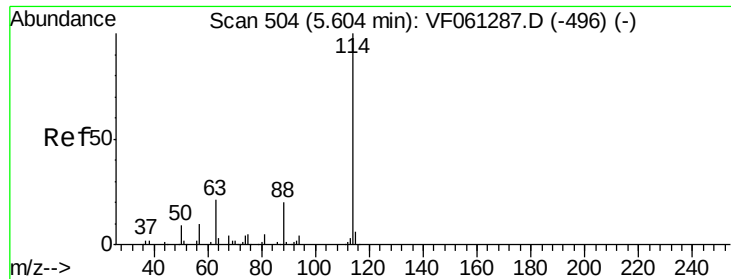
67 46.9 0.0 98.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

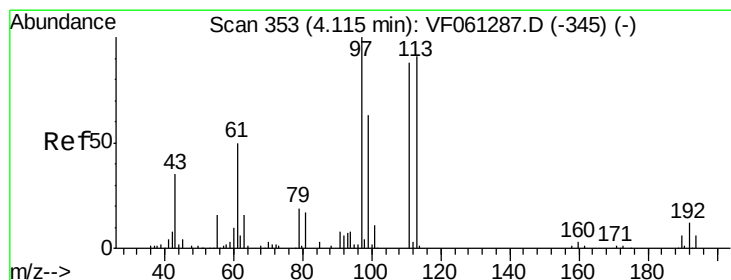
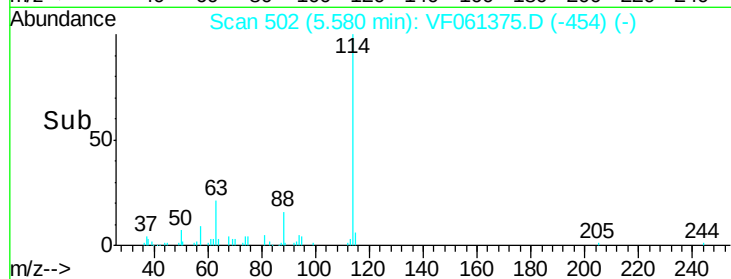
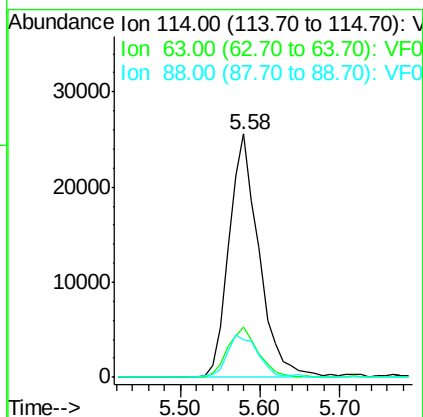
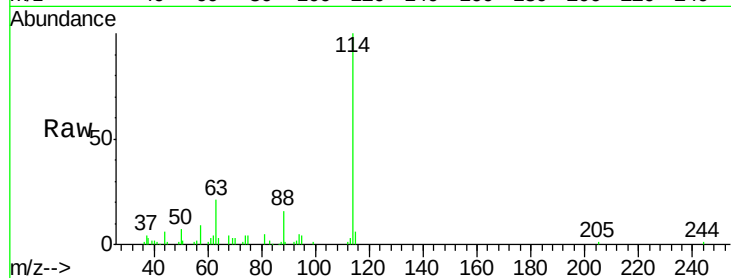




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.02 min
 Lab File: VF061375.D
 Acq: 11 Jan 2019 18:35

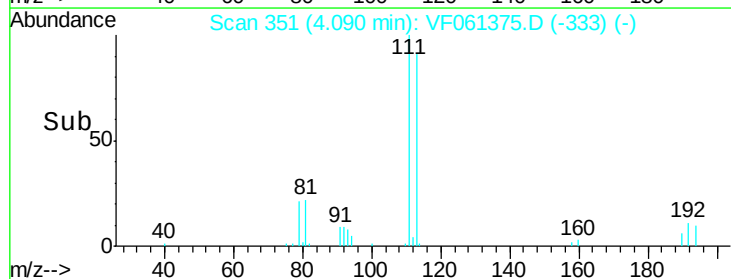
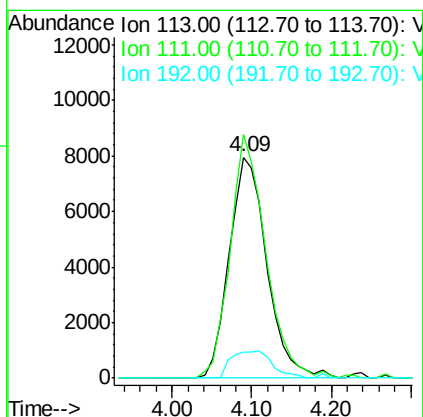
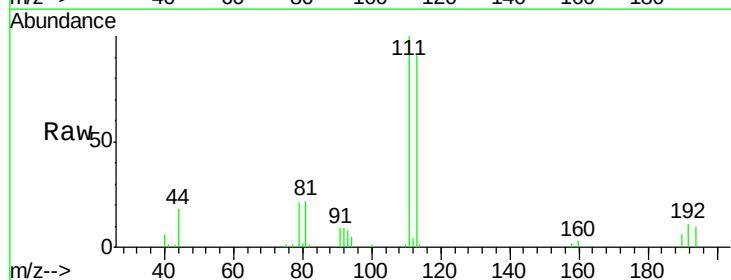
Instrument :
 MSVOA_F
 ClientSampleId :
 BASIN-6RE

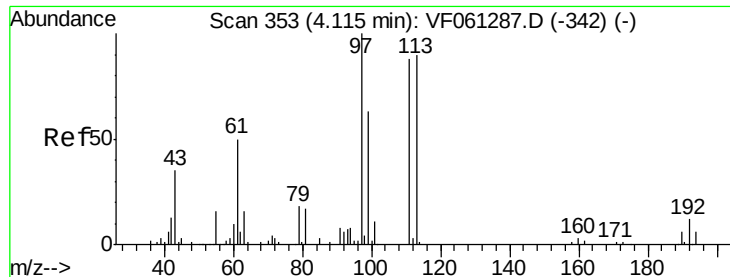
Tot Ion:114 Resp: 67585
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.8
 88 15.6 0.0 40.0



#35
 Dibromofluoromethane
 Concen: 50.731 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VF061375.D
 Acq: 11 Jan 2019 18:35

Tgt Ion:113 Resp: 26235
 Ion Ratio Lower Upper
 113 100
 111 110.2 78.0 117.0
 192 11.6 10.6 16.0

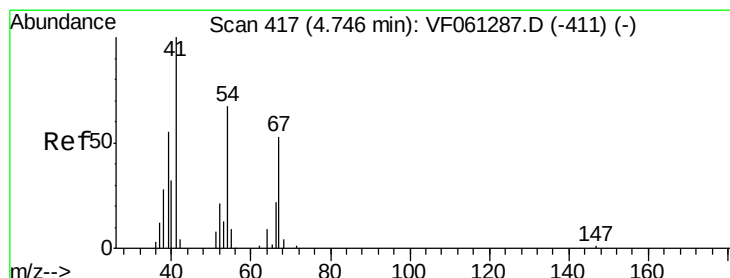
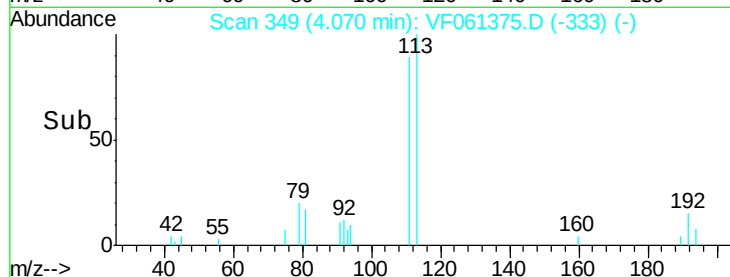
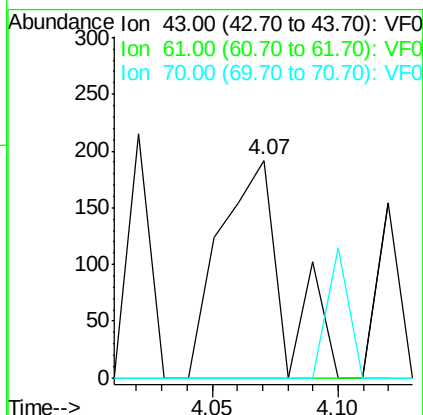
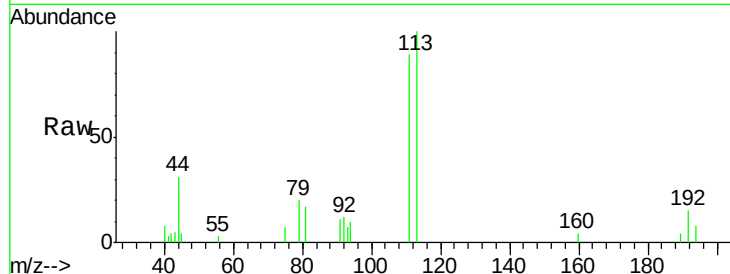




#37
Ethyl Acetate
Concen: 1.180 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.04 min
Lab File: VF061375.D
Acq: 11 Jan 2019 18:35

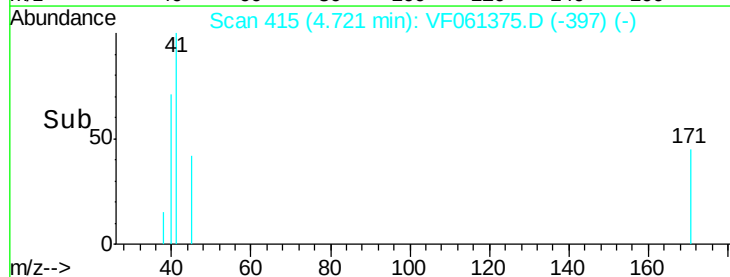
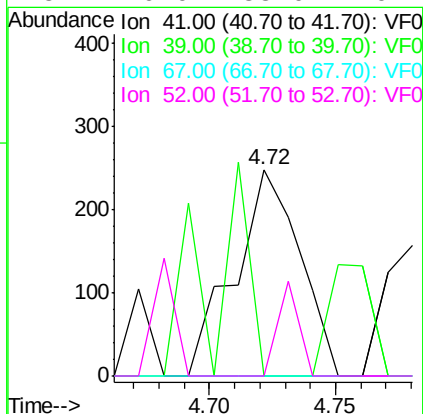
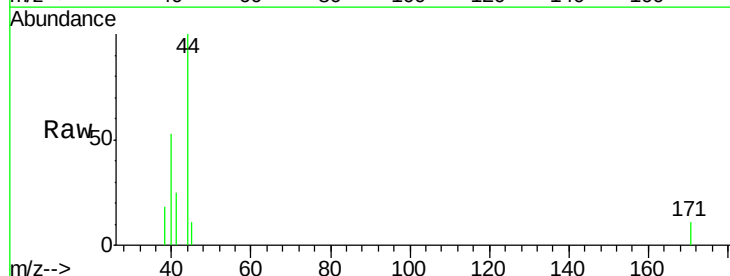
Instrument :
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BASIN-6RE

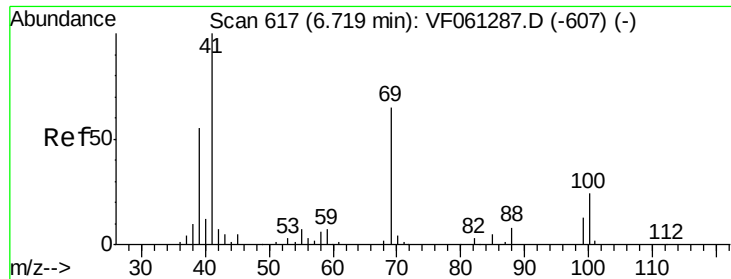
Tot Ion: 43 Resp: 339
Ion Ratio Lower Upper
43 100
61 0.0 113.3 169.9#
70 0.0 9.4 14.0#



#41
Methacrylonitrile
Concen: 2.798 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.02 min
Lab File: VF061375.D
Acq: 11 Jan 2019 18:35

Tgt Ion: 41 Resp: 449
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#

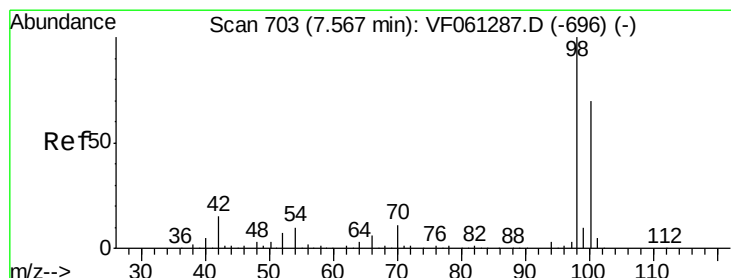
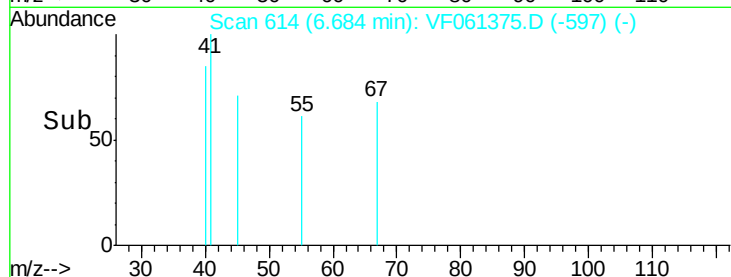
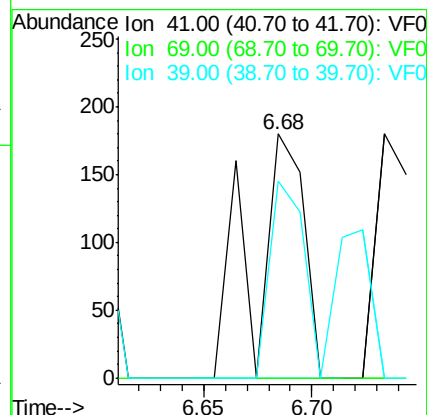
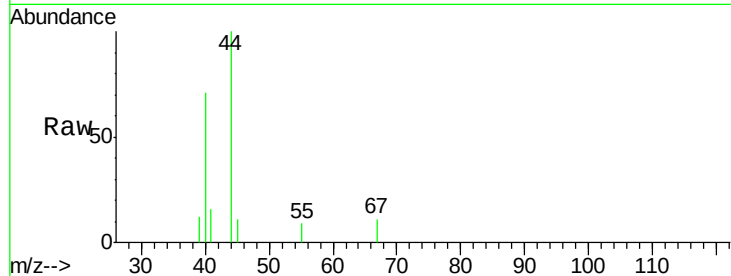




#48
Methyl methacrylate
Concen: 1.182 ug/l
RT: 6.68 min Scan# 614
Delta R.T. -0.03 min
Lab File: VF061375.D
Acq: 11 Jan 2019 18:35

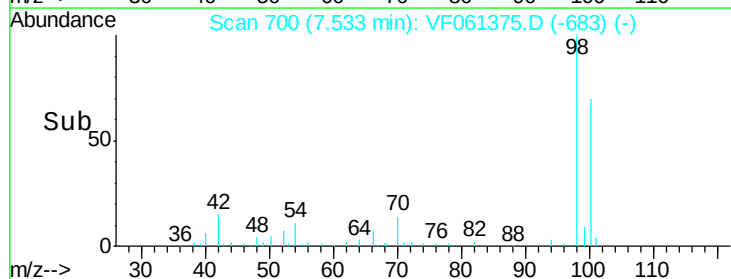
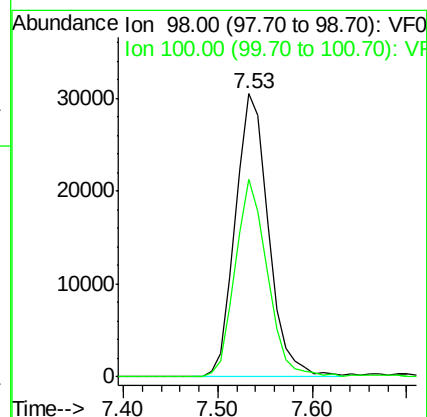
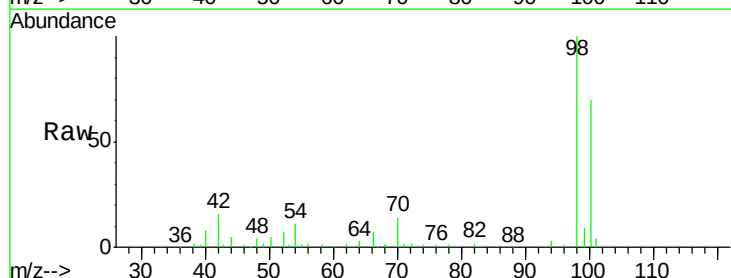
Instrument :
MSVOA_F
ClientSampleId :
BASIN-6RE

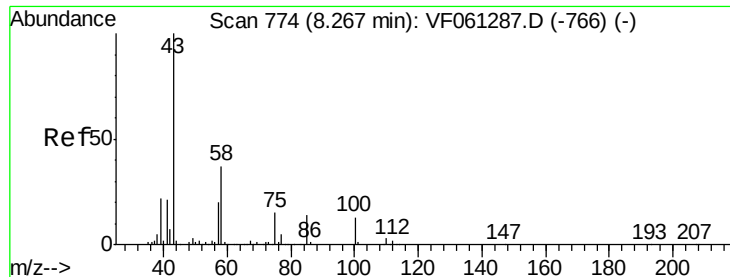
Tot Ion: 41 Resp: 291
Ion Ratio Lower Upper
41 100
69 0.0 51.5 77.3#
39 80.6 44.1 66.1#



#50
Toluene-d8
Concen: 48.742 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.03 min
Lab File: VF061375.D
Acq: 11 Jan 2019 18:35

Tgt Ion: 98 Resp: 74591
Ion Ratio Lower Upper
98 100
100 69.7 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 4.448 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.02 min

Lab File: VF061375.D

Acq: 11 Jan 2019 18:35

Instrument :

MSVOA_F

ClientSampleId :

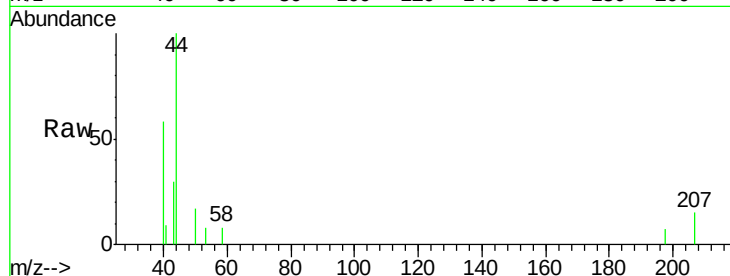
BASIN-6RE

Tot Ion: 43 Resp: 1274

Ion Ratio Lower Upper

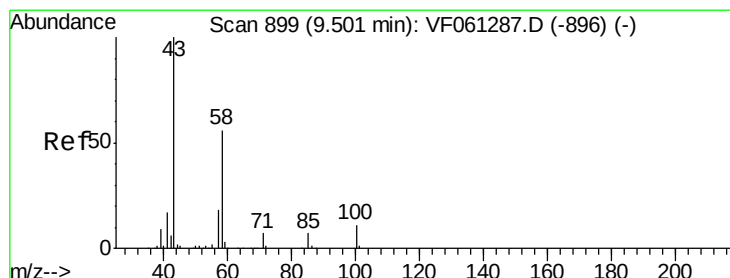
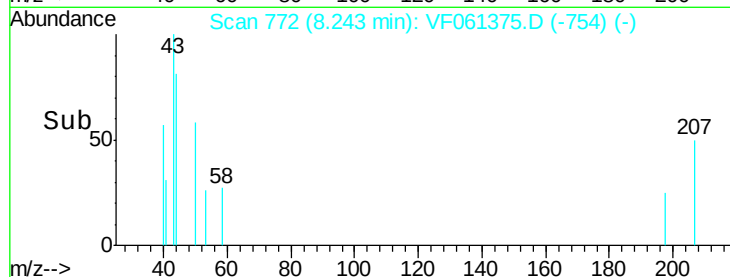
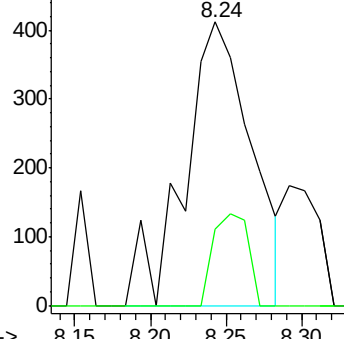
43 100

58 26.7 29.6 44.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#59

2-Hexanone

Concen: 3.164 ug/l

RT: 9.48 min Scan# 897

Delta R.T. -0.02 min

Lab File: VF061375.D

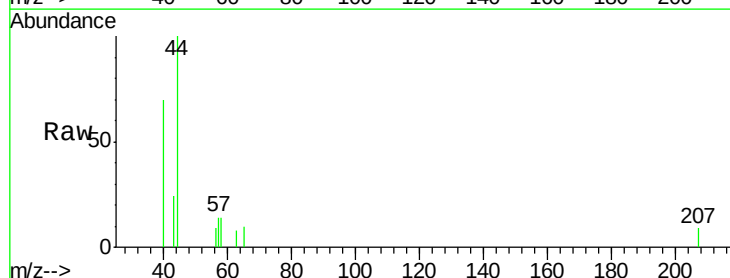
Acq: 11 Jan 2019 18:35

Tgt Ion: 43 Resp: 642

Ion Ratio Lower Upper

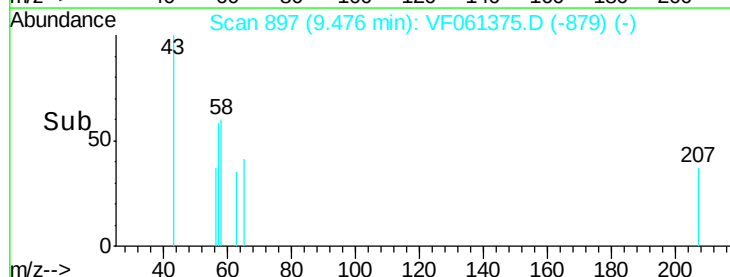
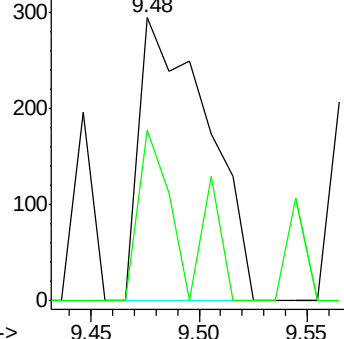
43 100

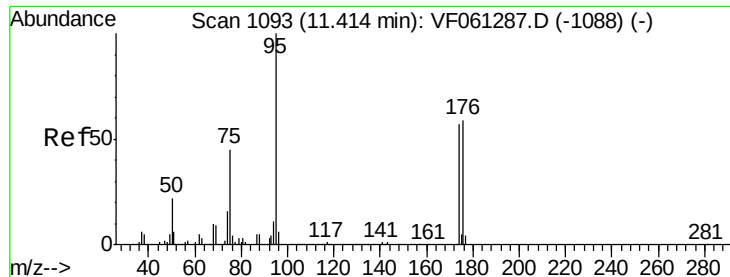
58 60.2 25.6 76.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 27.882 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061375.D

Acq: 11 Jan 2019 18:35

Instrument :

MSVOA_F

ClientSampleId :

BASIN-6RE

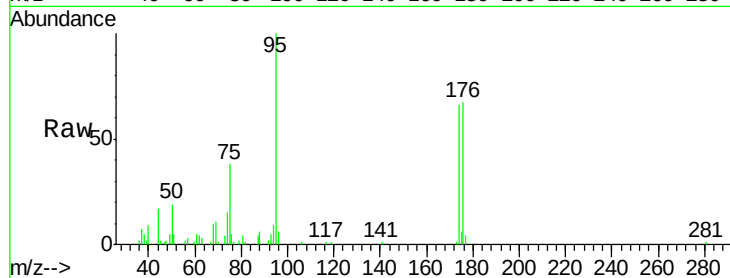
Tot Ion: 95 Resp: 18632

Ion Ratio Lower Upper

95 100

174 65.6 0.0 114.2

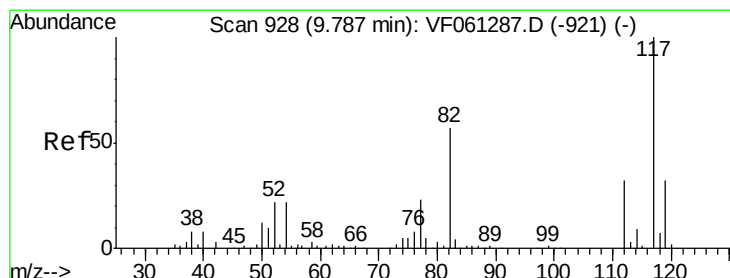
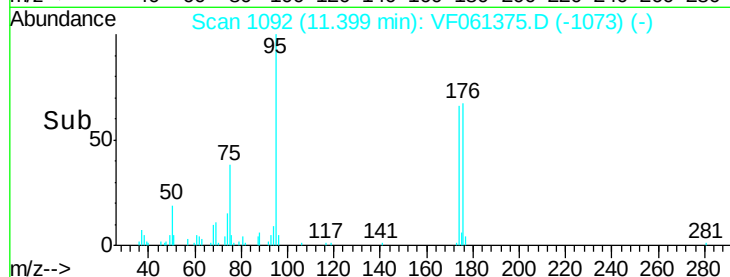
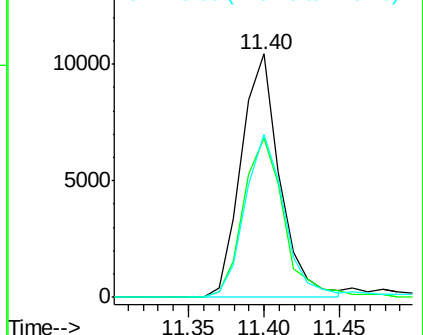
176 67.2 0.0 117.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.75 min Scan# 925

Delta R.T. -0.03 min

Lab File: VF061375.D

Acq: 11 Jan 2019 18:35

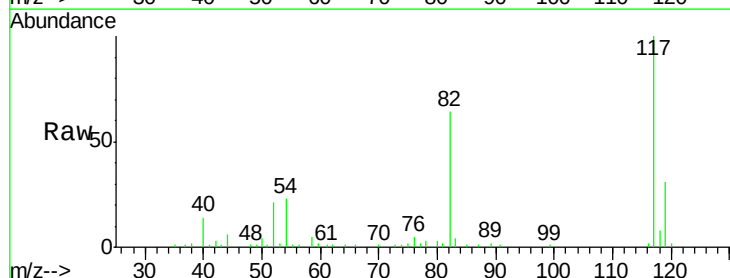
Tgt Ion: 117 Resp: 46994

Ion Ratio Lower Upper

117 100

82 63.6 45.3 67.9

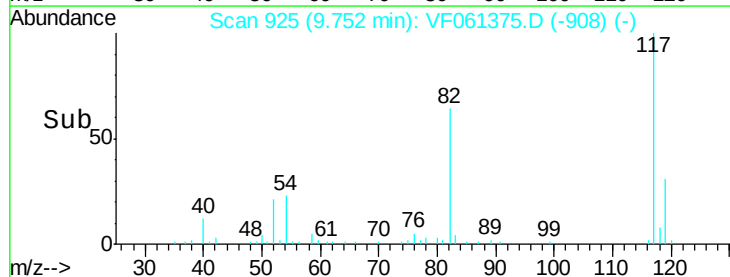
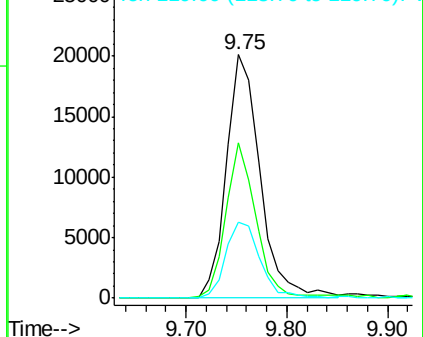
119 31.0 25.4 38.0

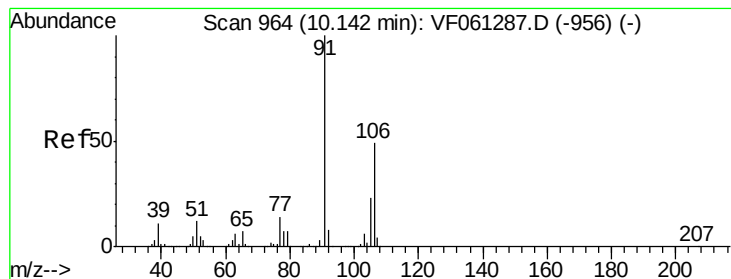


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#68

m/p-Xvlenes

Concen: 1.178 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.03 min

Lab File: VF061375.D

Acq: 11 Jan 2019 18:35

Instrument :

MSVOA_F

ClientSampled :

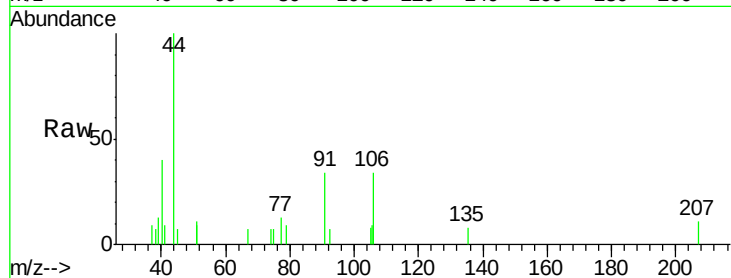
BASIN-6RE

Tot Ion:106 Resp: 752

Ion Ratio Lower Upper

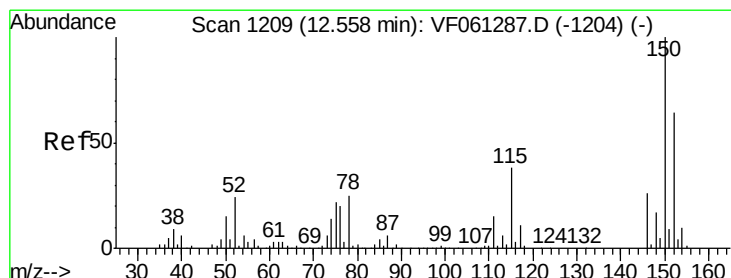
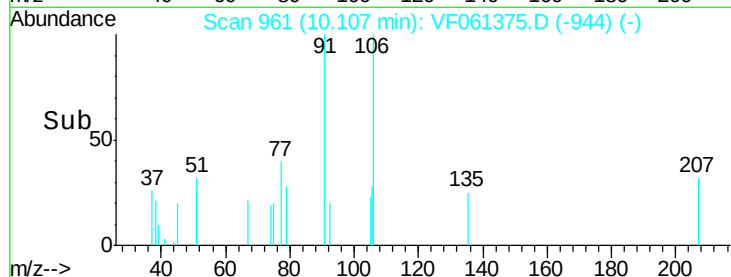
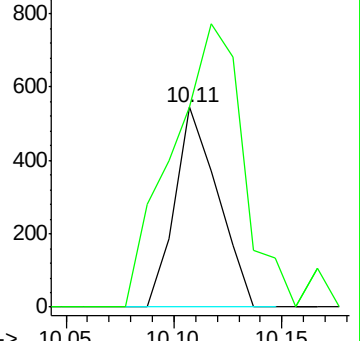
106 100

91 100.2 165.0 247.6#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.02 min

Lab File: VF061375.D

Acq: 11 Jan 2019 18:35

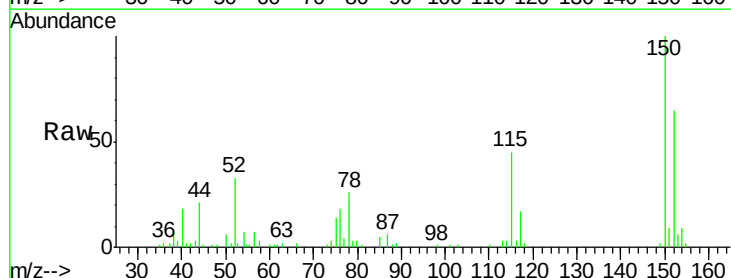
Tgt Ion:152 Resp: 12084

Ion Ratio Lower Upper

152 100

115 68.9 29.6 88.9

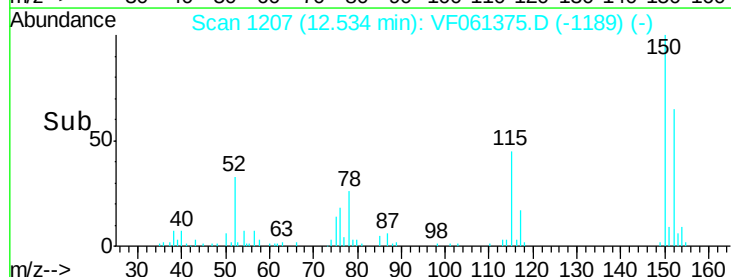
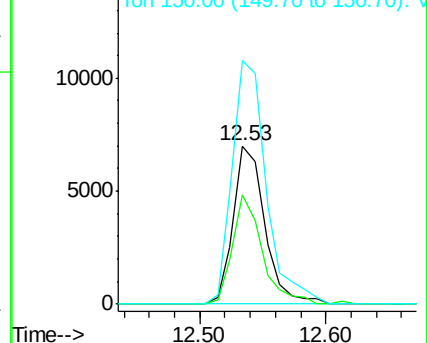
150 154.0 0.0 315.4

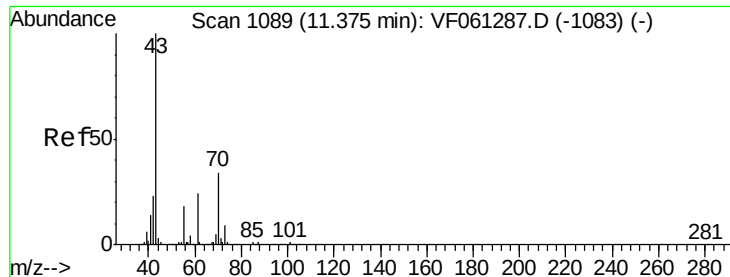


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#74

N-amvl acetate

Concen: 1.642 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VF061375.D

Acq: 11 Jan 2019 18:35

Instrument :

MSVOA_F

ClientSampleId :

BASIN-6RE

Tot Ion: 43 Resp: 397

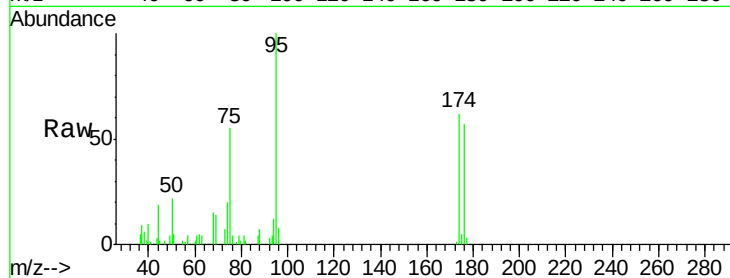
Ion Ratio Lower Upper

43 100

70 0.0 27.4 41.0#

55 56.1 14.7 22.1#

61 125.8 19.0 28.4#

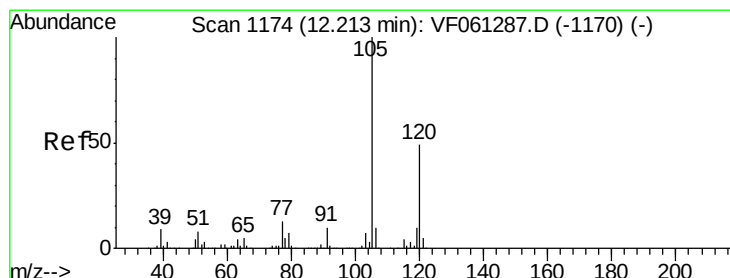
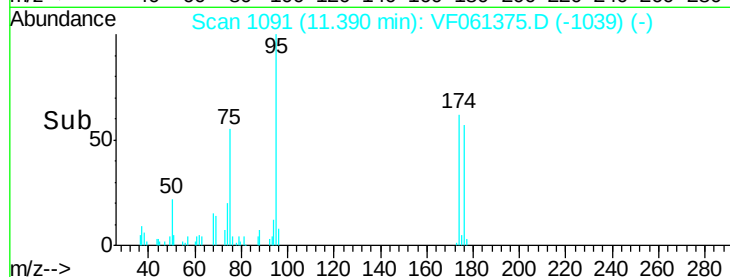
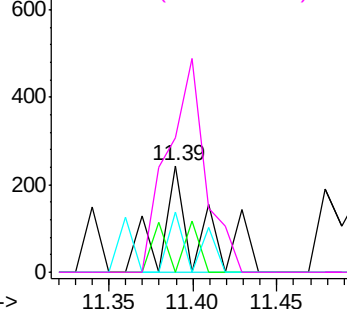


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#84

1,2,4-Trimethylbenzene

Concen: 1.706 ug/l

RT: 12.19 min Scan# 1172

Delta R.T. -0.02 min

Lab File: VF061375.D

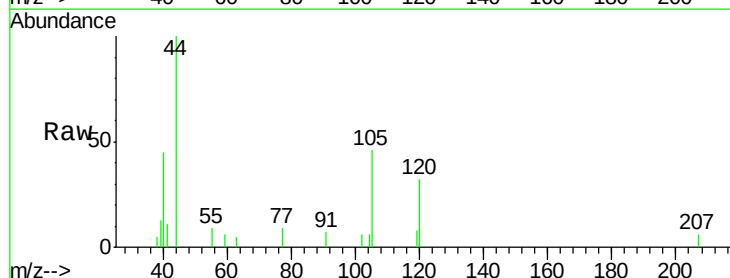
Acq: 11 Jan 2019 18:35

Tgt Ion:105 Resp: 1433

Ion Ratio Lower Upper

105 100

120 70.4 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

