

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011119\
 Data File : VF061376.D
 Acq On : 11 Jan 2019 19:04
 Operator : VA/AP
 Sample : K1075-14RE
 Misc : 4.97g/5mL/MSVOA-F/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 BASIN-7RE

Quant Time: Jan 12 03:34:39 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	72554	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.57	114	121303	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	81181	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	24585	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.81	65	31586	39.11	ug/l	-0.04
Spiked Amount			Recovery	=	78.22%	
35) Dibromofluoromethane	4.08	113	43597	46.97	ug/l	-0.03
Spiked Amount			Recovery	=	93.94%	
50) Toluene-d8	7.53	98	123273	44.88	ug/l	-0.04
Spiked Amount			Recovery	=	89.76%	
62) 4-Bromofluorobenzene	11.39	95	36048	30.06	ug/l	-0.02
Spiked Amount			Recovery	=	60.12%	

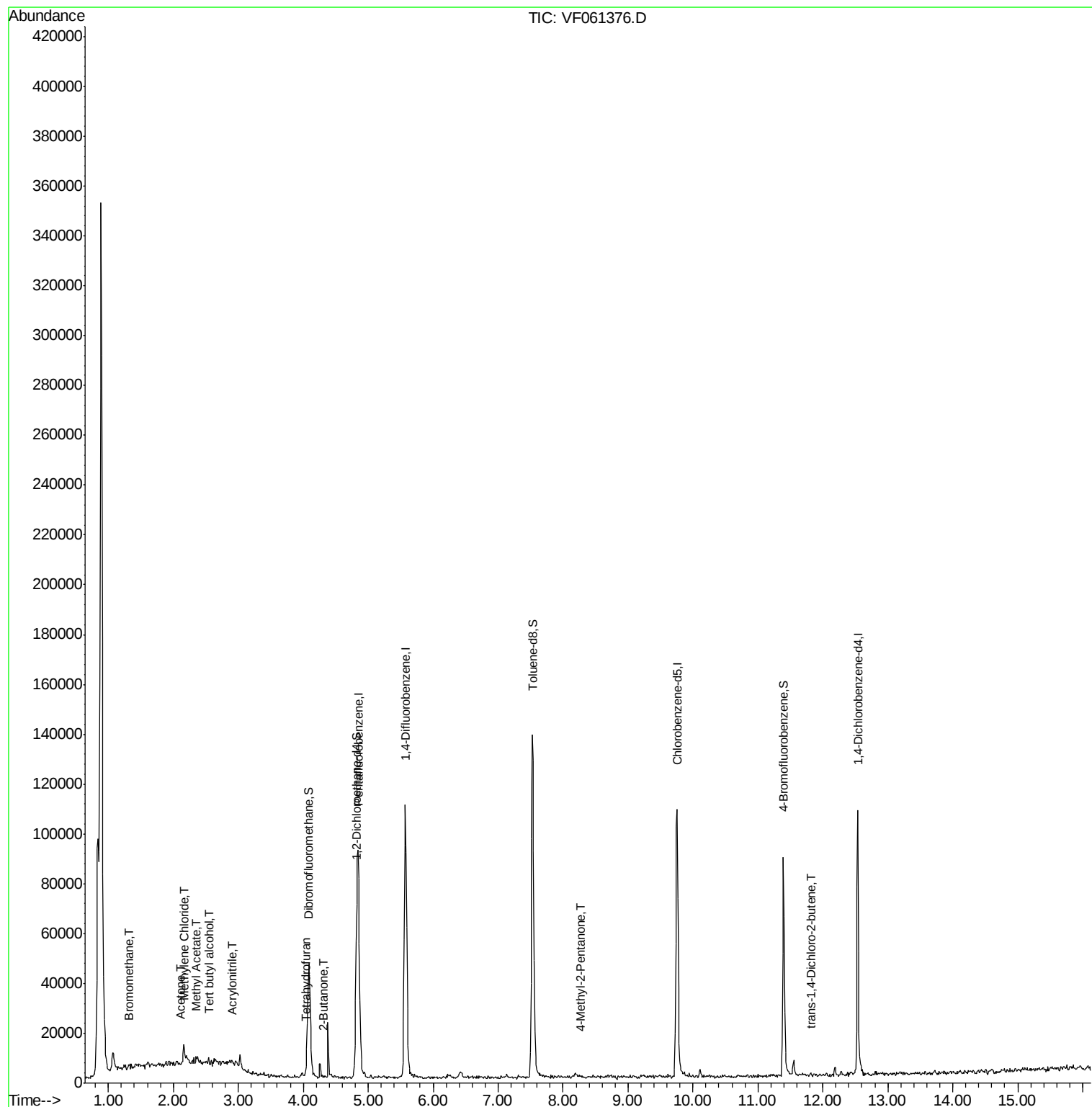
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.31	94	449	3.368	ug/l #	60
11) Tert butyl alcohol	2.55	59	83	2.567	ug/l #	58
13) Acrolein	1.92	56	488	Below Cal		92
15) Acrylonitrile	2.91	53	155	1.352	ug/l #	16
16) Acetone	2.11	43	507	2.699	ug/l	94
18) Methyl Acetate	2.36	43	3095	8.374	ug/l #	65
20) Methylene Chloride	2.16	84	3921	4.934	ug/l	87
25) 2-Butanone	4.32	43	539	1.783	ug/l #	56
29) Tetrahydrofuran	4.03	42	308	2.436	ug/l #	36
51) 4-Methyl-2-Pentanone	8.28	43	1007	1.959	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.83	75	214	1.947	ug/l #	17

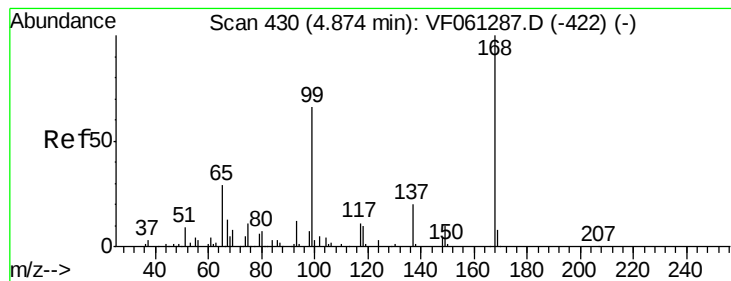
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011119\
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Quant Time: Jan 12 03:34:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
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: VF061376.D

Acq: 11 Jan 2019 19:04

Instrument :

MSVOA_F

ClientSampleId :

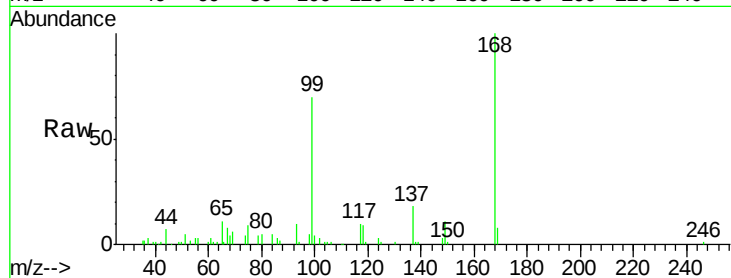
BASIN-7RE

Tot Ion:168 Resp: 72554

Ion Ratio Lower Upper

168 100

99 69.8 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

25000

20000

15000

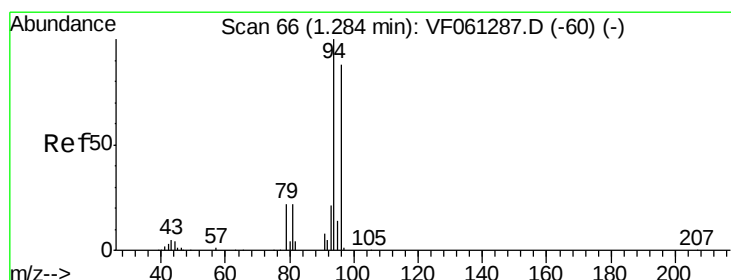
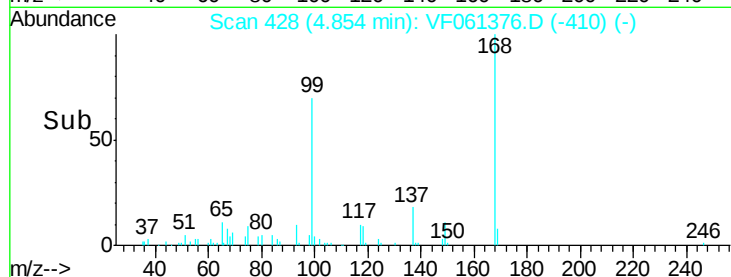
10000

5000

0

4.70 4.80 4.90 5.00

Time-->



#5

Bromomethane

Concen: 3.368 ug/l

RT: 1.31 min Scan# 69

Delta R.T. 0.03 min

Lab File: VF061376.D

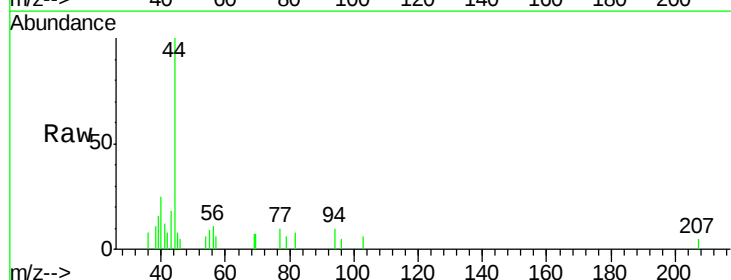
Acq: 11 Jan 2019 19:04

Tgt Ion: 94 Resp: 449

Ion Ratio Lower Upper

94 100

96 51.0 70.2 105.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.31

300

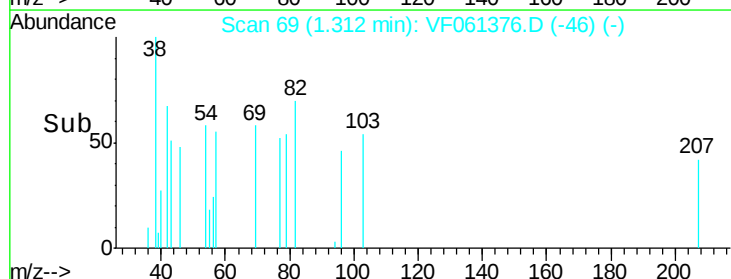
200

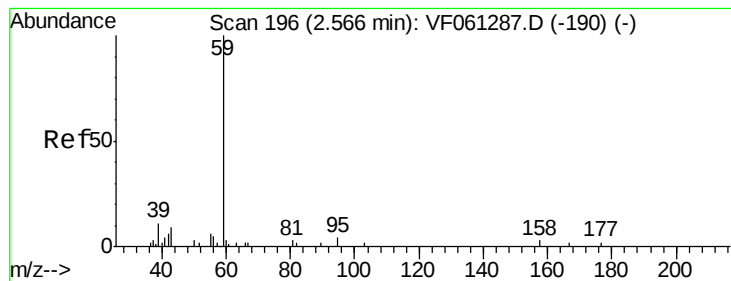
100

0

1.25 1.30 1.35

Time-->



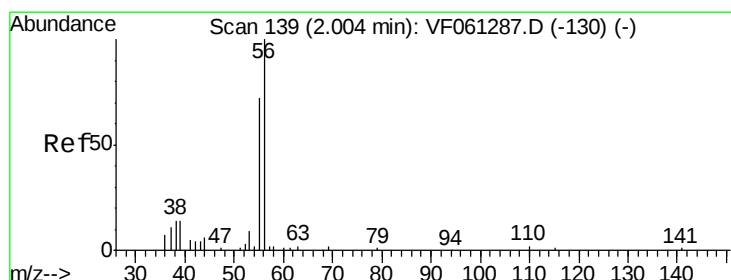
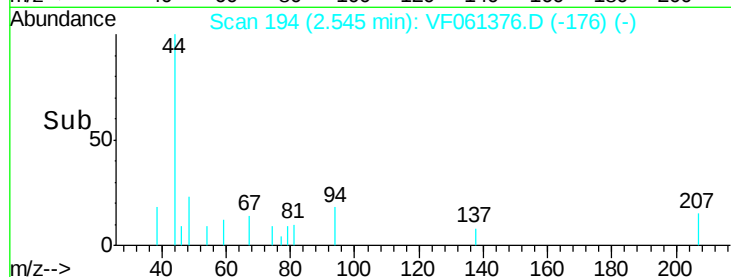
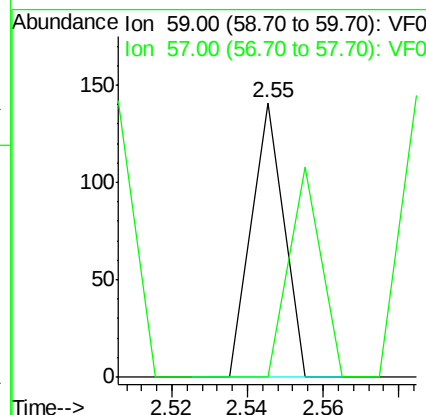
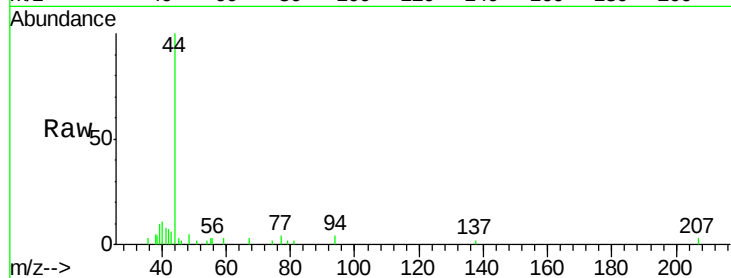


#11

Tert butyl alcohol
Concen: 2.567 ug/l
RT: 2.55 min Scan# 194
Delta R.T. -0.02 min
Lab File: VF061376.D
Acq: 11 Jan 2019 19:04

Instrument :
MSVOA_F
ClientSampleId :
BASIN-7RE

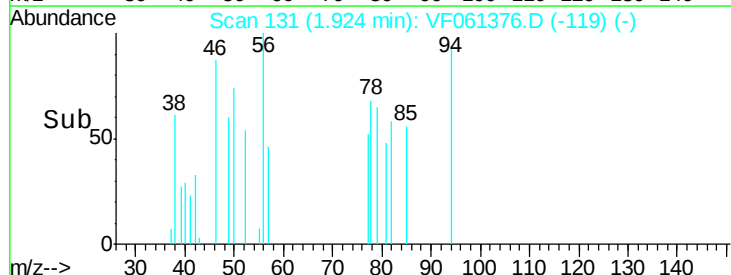
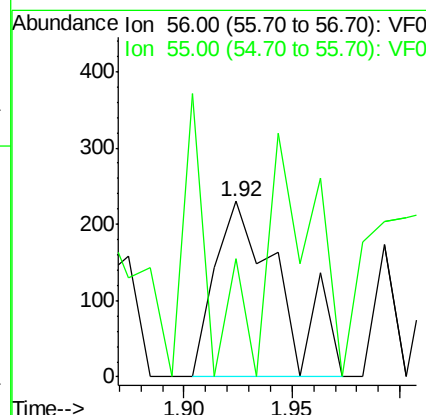
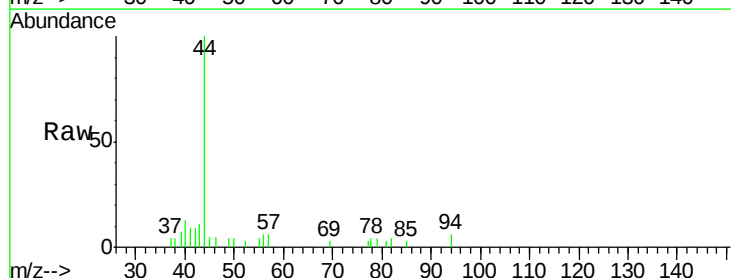
Tot Ion: 59 Resp: 83
Ion Ratio Lower Upper
59 100
57 0.0 15.1 22.7#

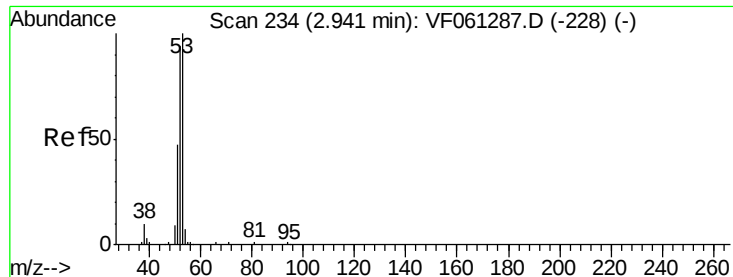


#13

Acrolein
Concen: Below Cal
RT: 1.92 min Scan# 131
Delta R.T. -0.08 min
Lab File: VF061376.D
Acq: 11 Jan 2019 19:04

Tgt Ion: 56 Resp: 488
Ion Ratio Lower Upper
56 100
55 67.4 59.4 89.0





#15

Acrylonitrile

Concen: 1.352 ug/l

RT: 2.91 min Scan# 231

Delta R.T. -0.03 min

Lab File: VF061376.D

Acq: 11 Jan 2019 19:04

Instrument :

MSVOA_F

ClientSampleId :

BASIN-7RE

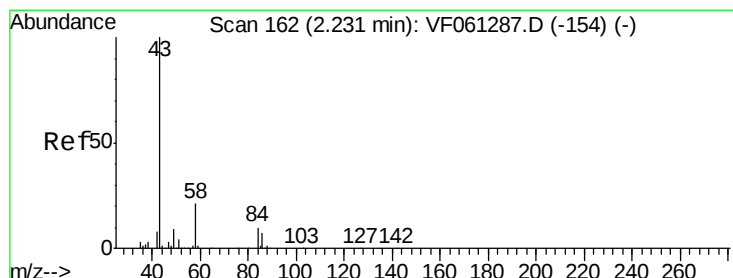
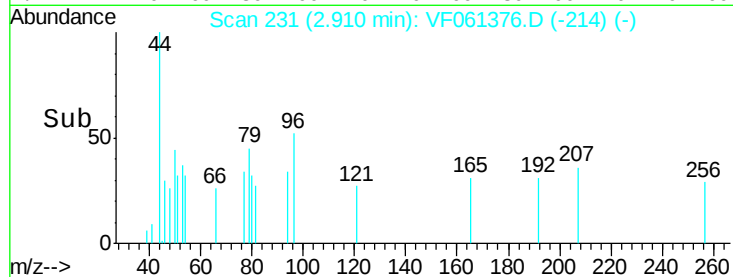
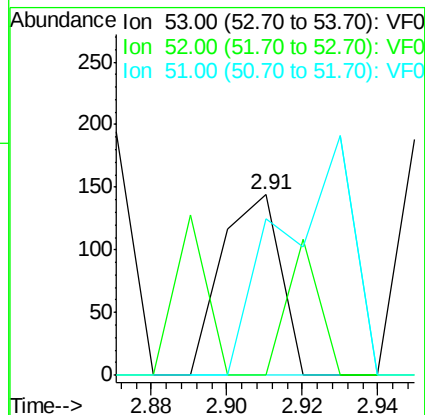
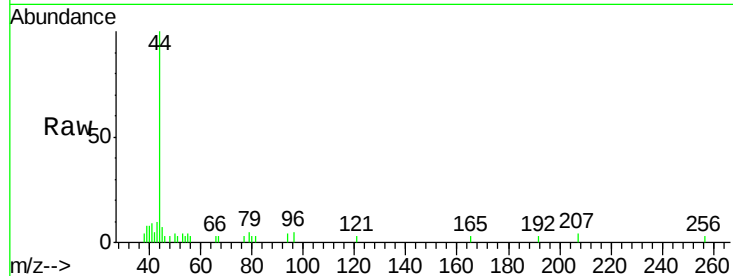
Tot Ion: 53 Resp: 155

Ion Ratio Lower Upper

53 100

52 0.0 74.6 111.8#

51 86.8 37.8 56.6#



#16

Acetone

Concen: 2.699 ug/l

RT: 2.11 min Scan# 150

Delta R.T. -0.12 min

Lab File: VF061376.D

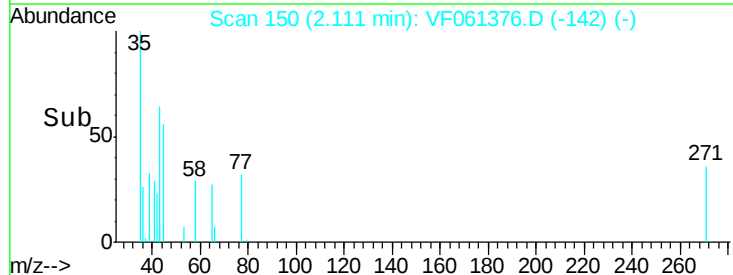
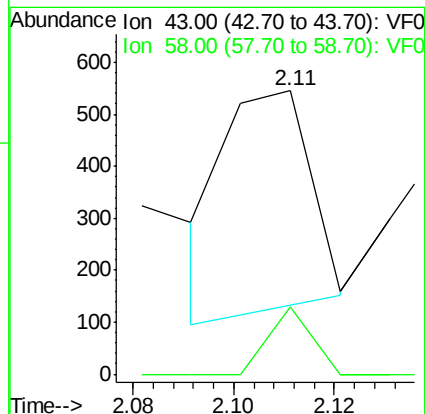
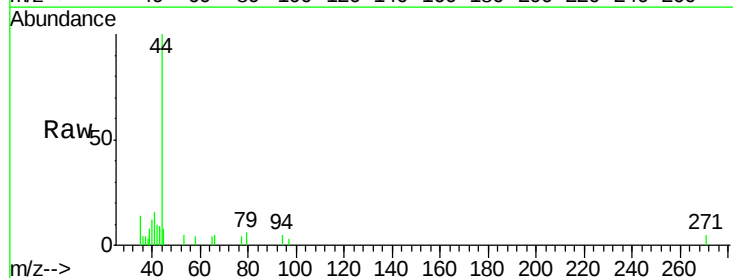
Acq: 11 Jan 2019 19:04

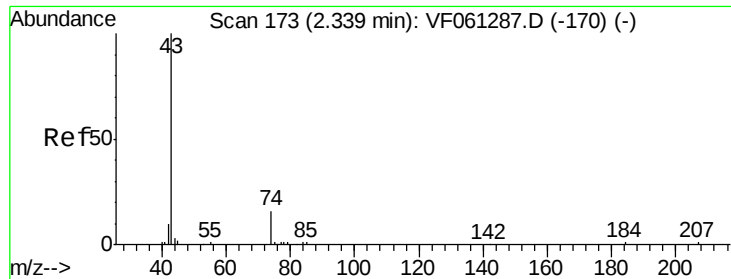
Tgt Ion: 43 Resp: 507

Ion Ratio Lower Upper

43 100

58 23.7 16.6 25.0

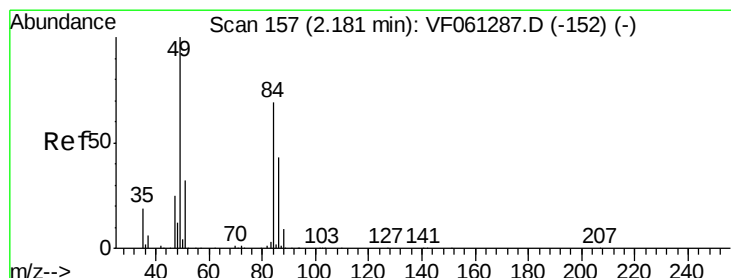
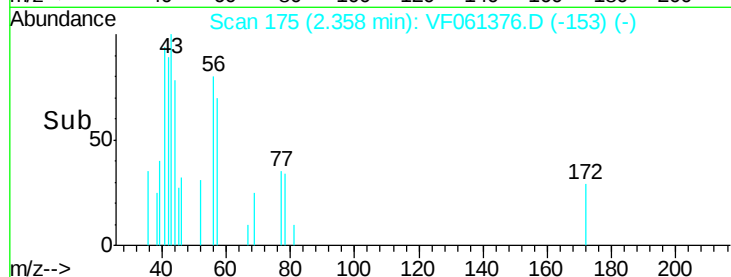
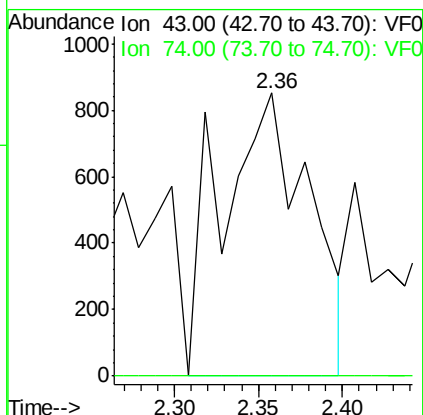
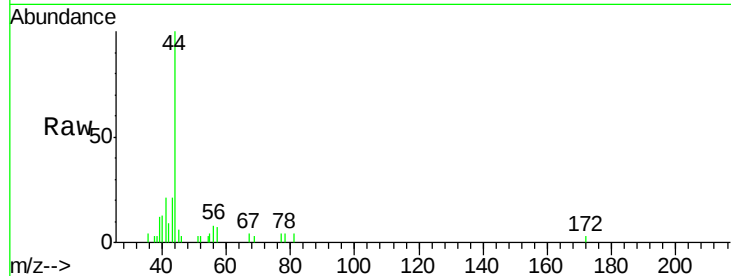




#18
Methyl Acetate
Concen: 8.374 ug/l
RT: 2.36 min Scan# 175
Delta R.T. 0.02 min
Lab File: VF061376.D
Acq: 11 Jan 2019 19:04

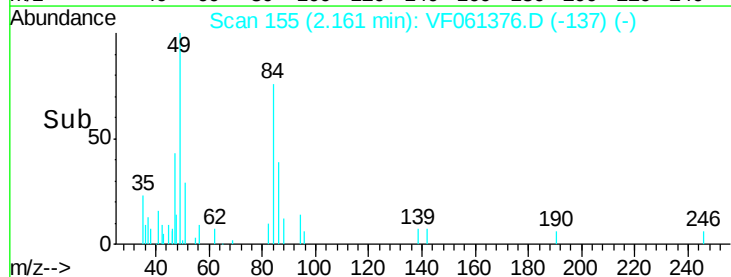
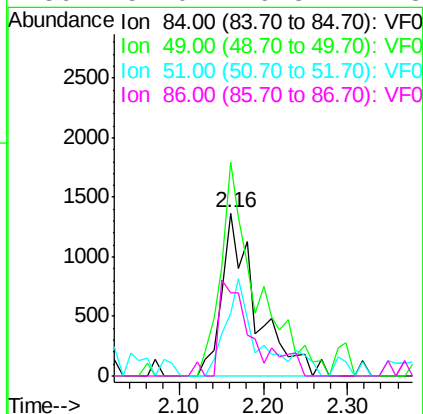
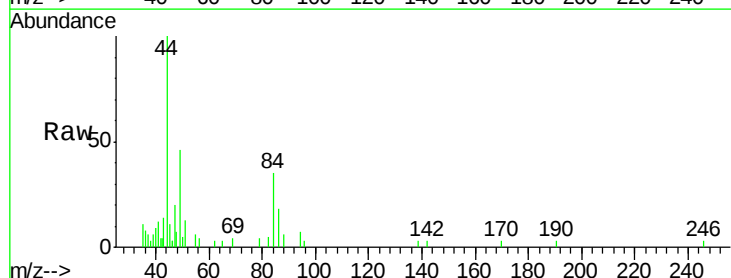
Instrument :
MSVOA_F
ClientSampleId :
BASIN-7RE

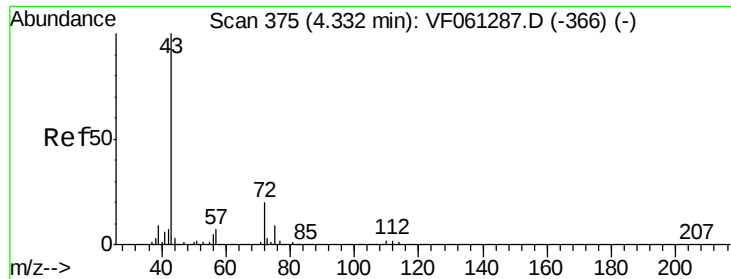
Tot Ion: 43 Resp: 3095
Ion Ratio Lower Upper
43 100
74 0.0 11.6 17.4#



#20
Methylene Chloride
Concen: 4.934 ug/l
RT: 2.16 min Scan# 155
Delta R.T. -0.02 min
Lab File: VF061376.D
Acq: 11 Jan 2019 19:04

Tgt Ion: 84 Resp: 3921
Ion Ratio Lower Upper
84 100
49 131.3 116.6 175.0
51 38.2 37.7 56.5
86 51.0 49.8 74.8





#25

2-Butanone

Concen: 1.783 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.01 min

Lab File: VF061376.D

Acq: 11 Jan 2019 19:04

Instrument :

MSVOA_F

ClientSampleId :

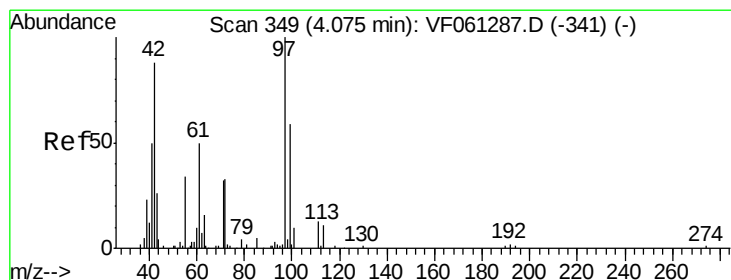
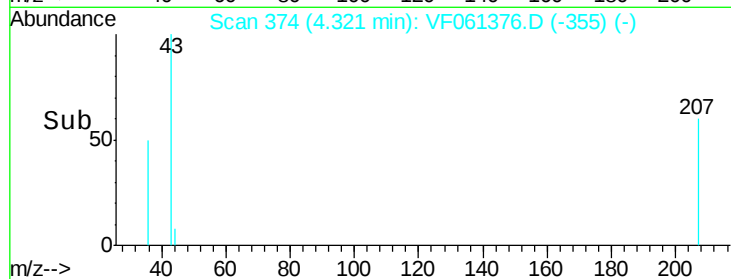
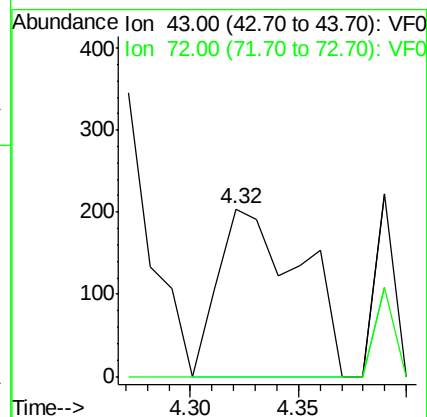
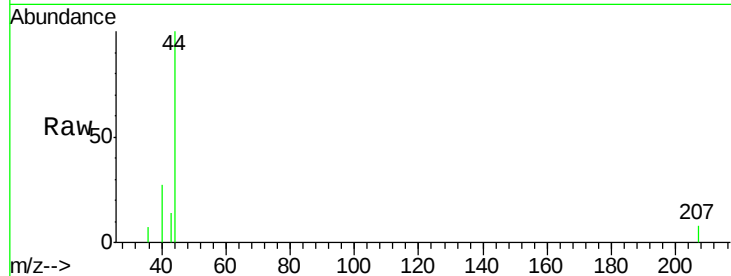
BASIN-7RE

Tot Ion: 43 Resp: 539

Ion Ratio Lower Upper

43 100

72 0.0 16.5 24.7#



#29

Tetrahydrofuran

Concen: 2.436 ug/l

RT: 4.03 min Scan# 345

Delta R.T. -0.04 min

Lab File: VF061376.D

Acq: 11 Jan 2019 19:04

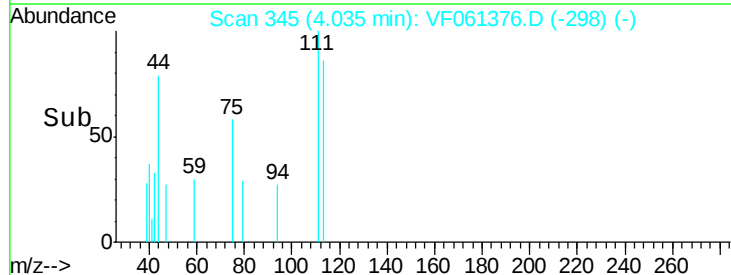
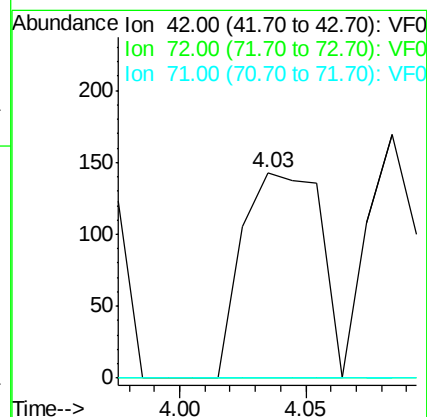
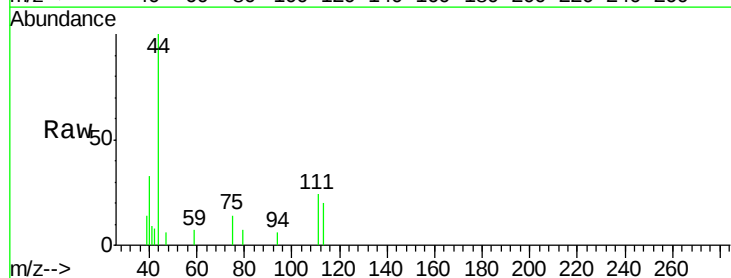
Tgt Ion: 42 Resp: 308

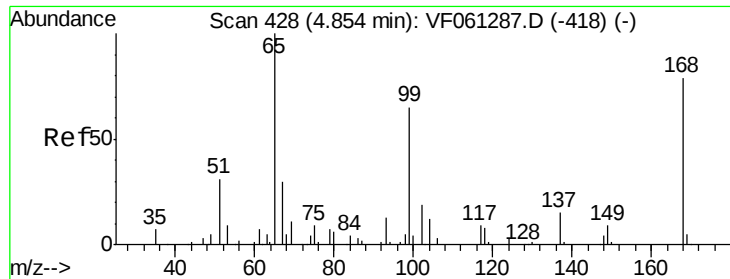
Ion Ratio Lower Upper

42 100

72 0.0 32.3 48.5#

71 0.0 29.5 44.3#

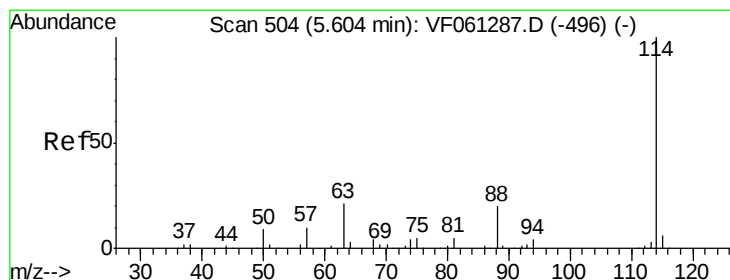
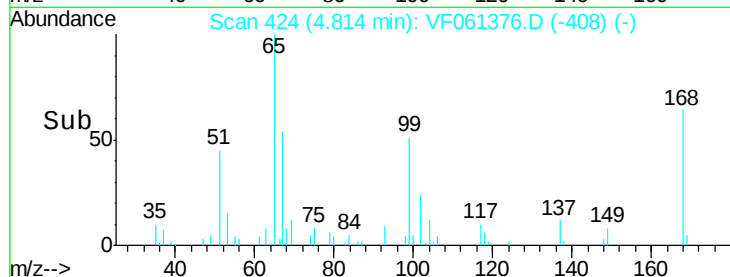
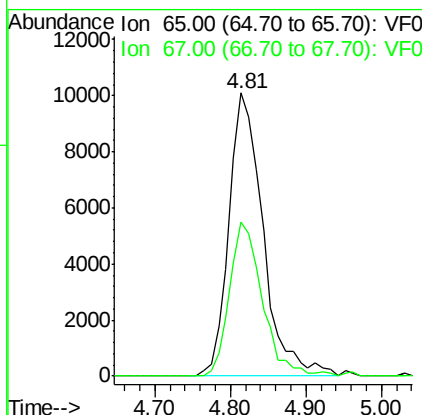
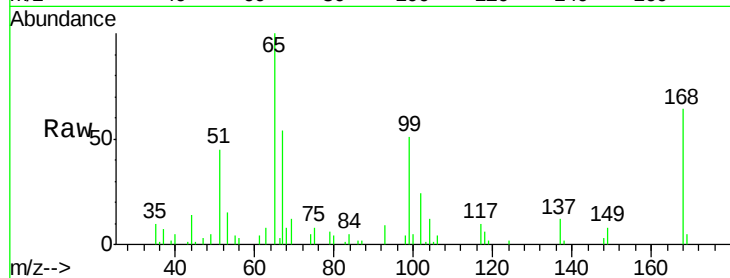




#33
 1,2-Dichloroethane-d4
 Concen: 39.112 ug/l
 RT: 4.81 min Scan# 424
 Delta R.T. -0.04 min
 Lab File: VF061376.D
 Acq: 11 Jan 2019 19:04

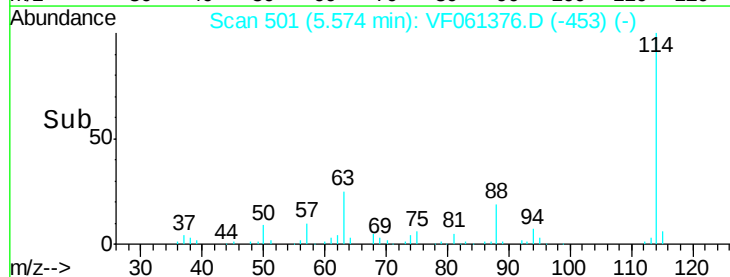
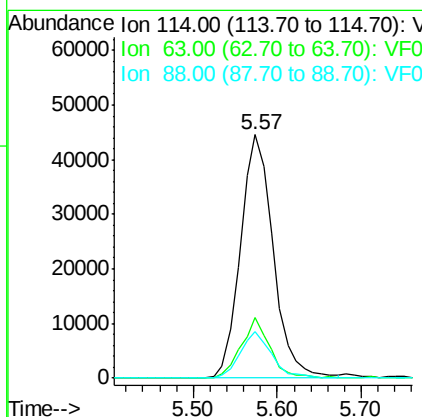
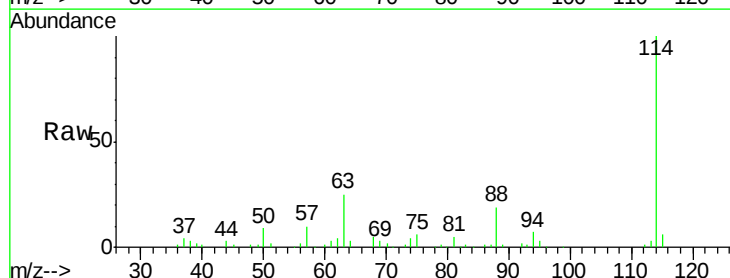
Instrument :
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 BASIN-7RE

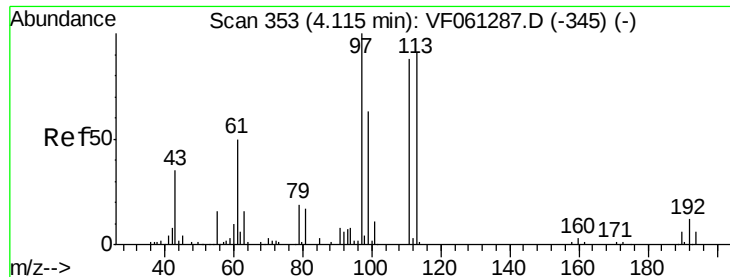
Tot Ion: 65 Resp: 31586
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.03 min
 Lab File: VF061376.D
 Acq: 11 Jan 2019 19:04

Tgt Ion: 114 Resp: 121303
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 42.8
 88 19.3 0.0 40.0





#35

Dibromofluoromethane

Concen: 46.971 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF061376.D

Acq: 11 Jan 2019 19:04

Instrument :

MSVOA_F

ClientSampleId :

BASIN-7RE

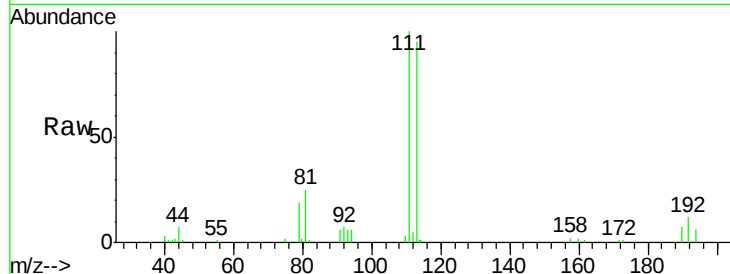
Tot Ion:113 Resp: 43597

Ion Ratio Lower Upper

113 100

111 104.9 78.0 117.0

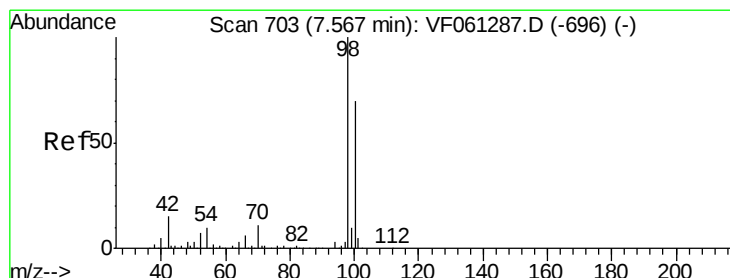
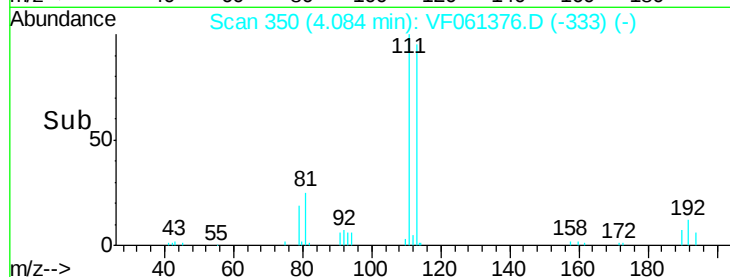
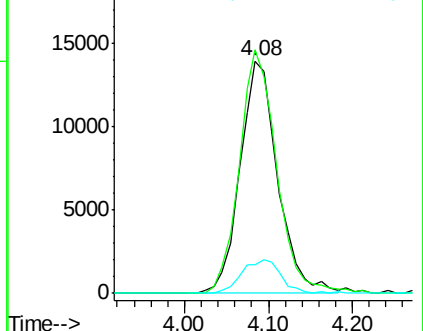
192 12.5 10.6 16.0



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



#50

Toluene-d8

Concen: 44.881 ug/l

RT: 7.53 min Scan# 699

Delta R.T. -0.04 min

Lab File: VF061376.D

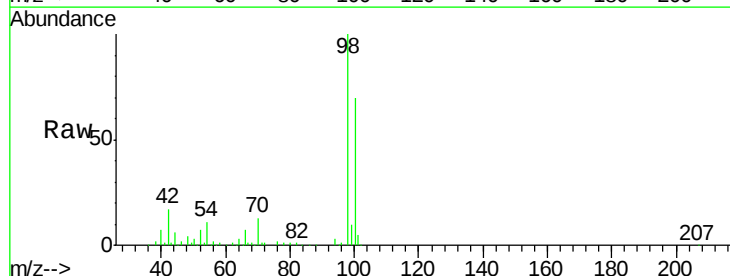
Acq: 11 Jan 2019 19:04

Tgt Ion: 98 Resp: 123273

Ion Ratio Lower Upper

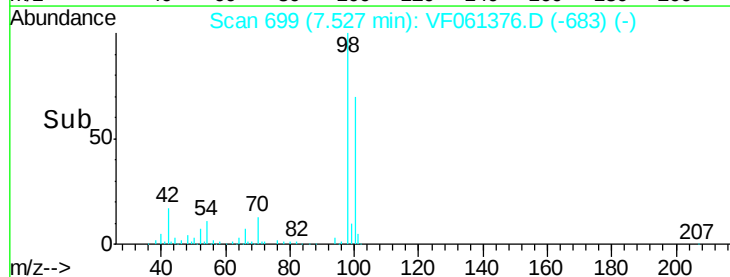
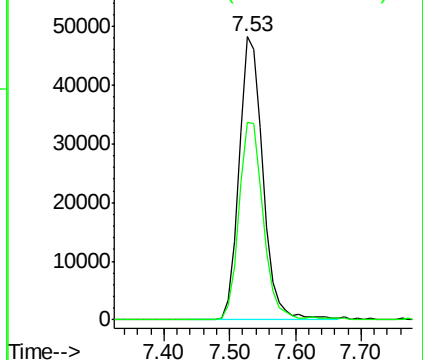
98 100

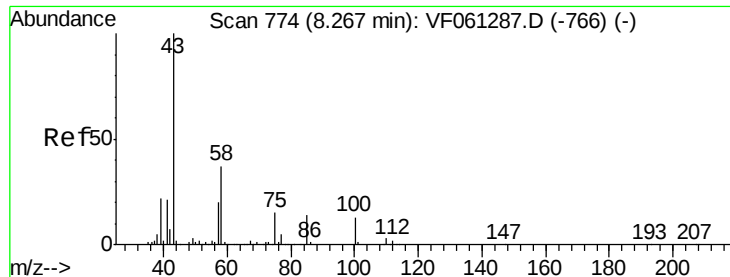
100 70.0 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 1.959 ug/l

RT: 8.28 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061376.D

Acq: 11 Jan 2019 19:04

Instrument :

MSVOA_F

ClientSampleId :

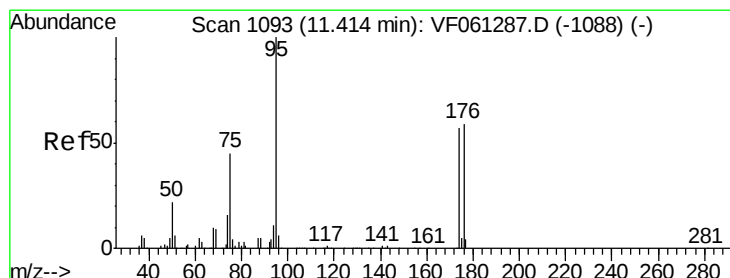
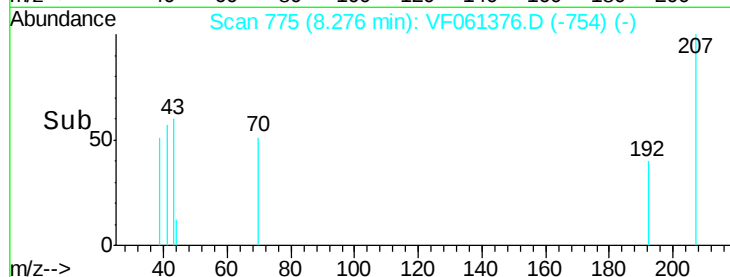
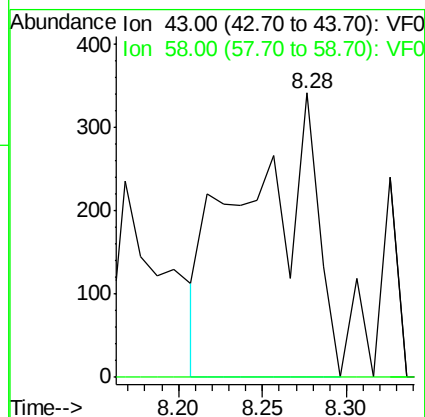
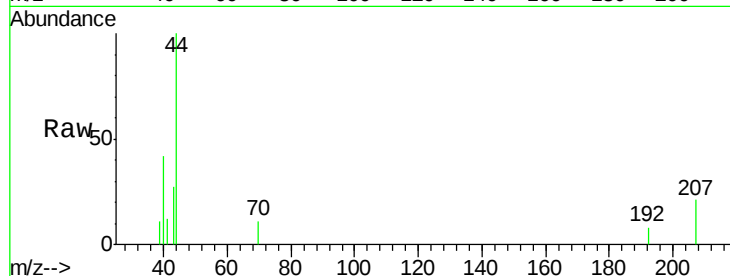
BASIN-7RE

Tot Ion: 43 Resp: 1007

Ion Ratio Lower Upper

43 100

58 0.0 29.6 44.4#



#62

4-Bromofluorobenzene

Concen: 30.056 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VF061376.D

Acq: 11 Jan 2019 19:04

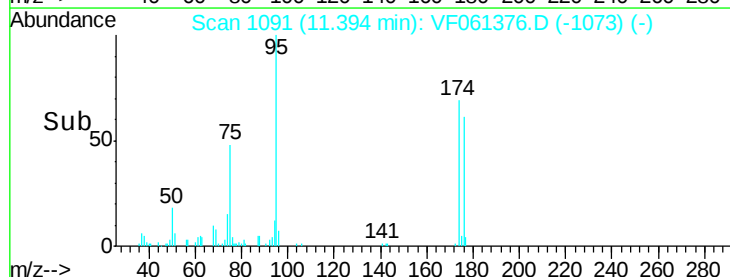
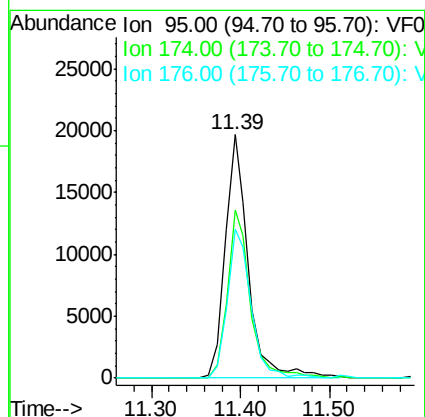
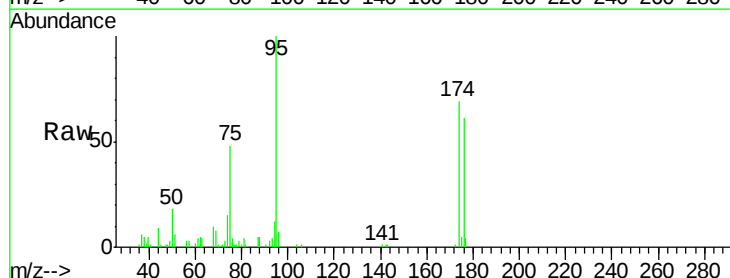
Tgt Ion: 95 Resp: 36048

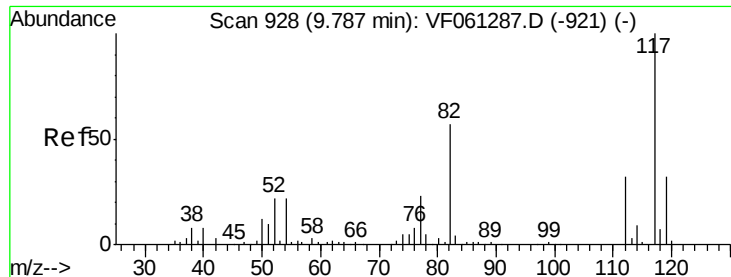
Ion Ratio Lower Upper

95 100

174 68.8 0.0 114.2

176 60.9 0.0 117.8

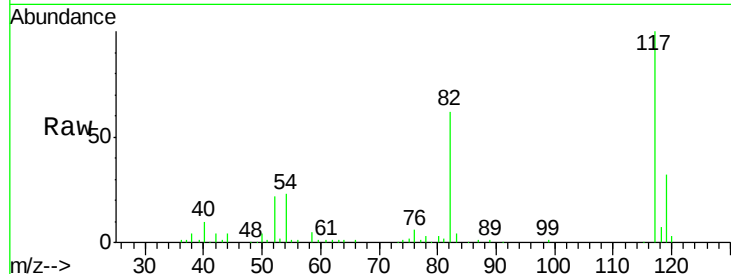




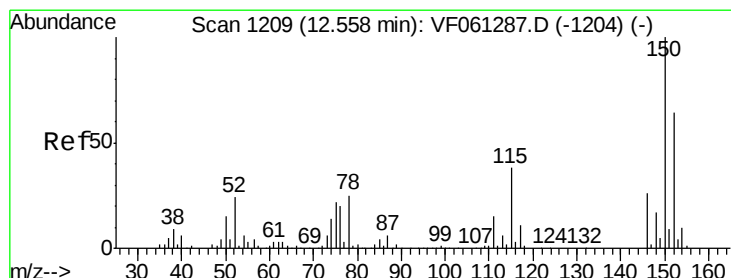
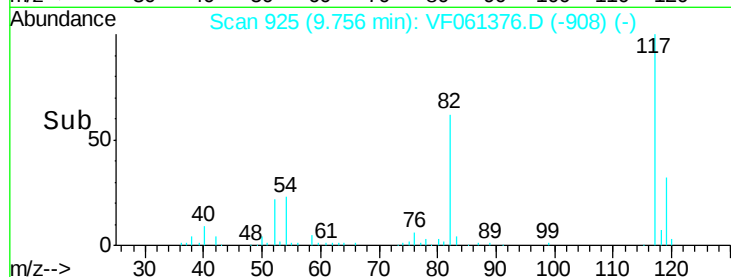
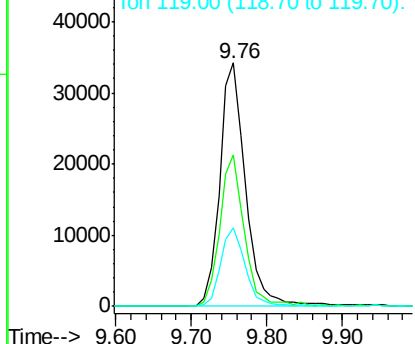
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 925
Delta R.T. -0.03 min
Lab File: VF061376.D
Acq: 11 Jan 2019 19:04

Instrument :
MSVOA_F
ClientSampleId :
BASIN-7RE

Tot Ion:117 Resp: 81181
Ion Ratio Lower Upper
117 100
82 62.2 45.3 67.9
119 32.5 25.4 38.0

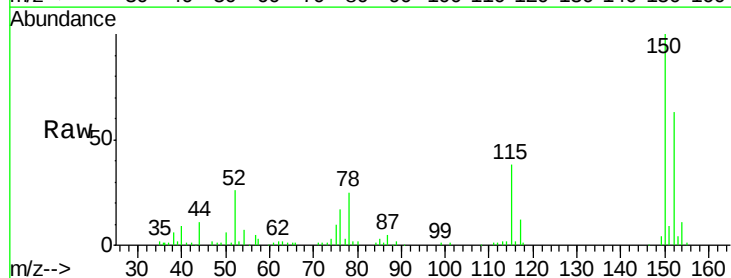


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

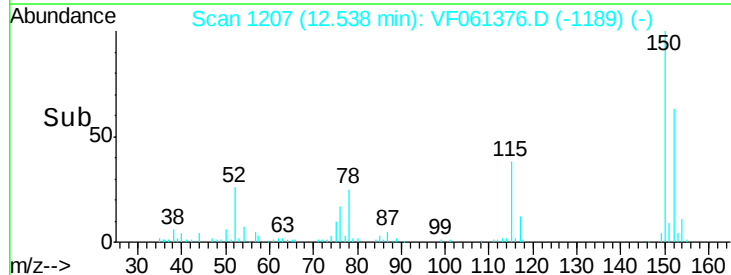
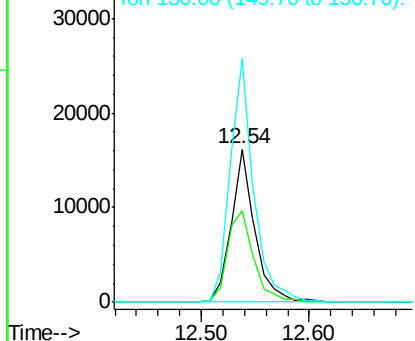


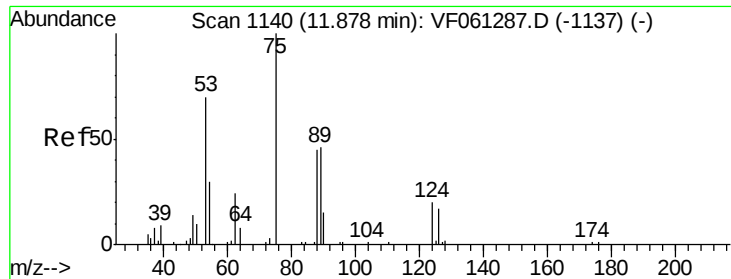
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.02 min
Lab File: VF061376.D
Acq: 11 Jan 2019 19:04

Tgt Ion:152 Resp: 24585
Ion Ratio Lower Upper
152 100
115 60.1 29.6 88.9
150 159.4 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





#81

trans-1,4-Dichloro-2-butene

Concen: 1.947 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. -0.05 min

Lab File: VF061376.D

Acq: 11 Jan 2019 19:04

Instrument :

MSVOA_F

ClientSampleId :

BASIN-7RE

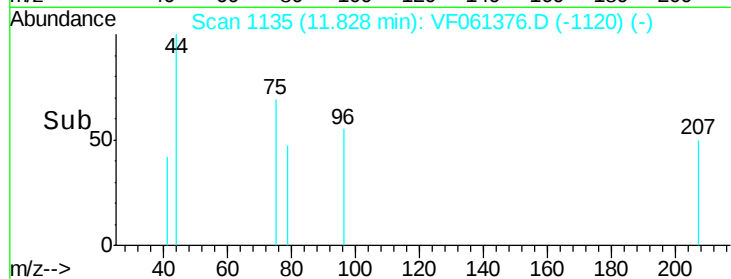
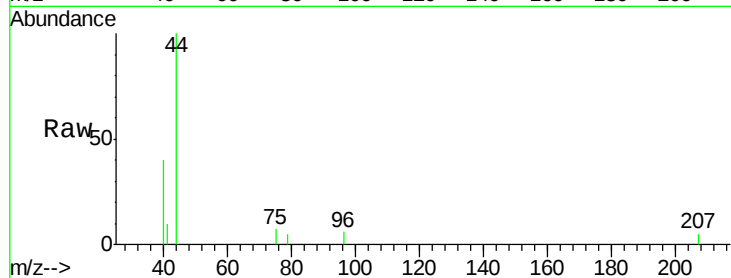
Tot Ion: 75 Resp: 214

Ion Ratio Lower Upper

75 100

53 0.0 62.2 93.2#

89 0.0 40.2 60.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0

