

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011419\
 Data File : VF061385.D
 Acq On : 14 Jan 2019 13:08
 Operator : VA/AP
 Sample : VF0114SBL01
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jan 14 21:39:31 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

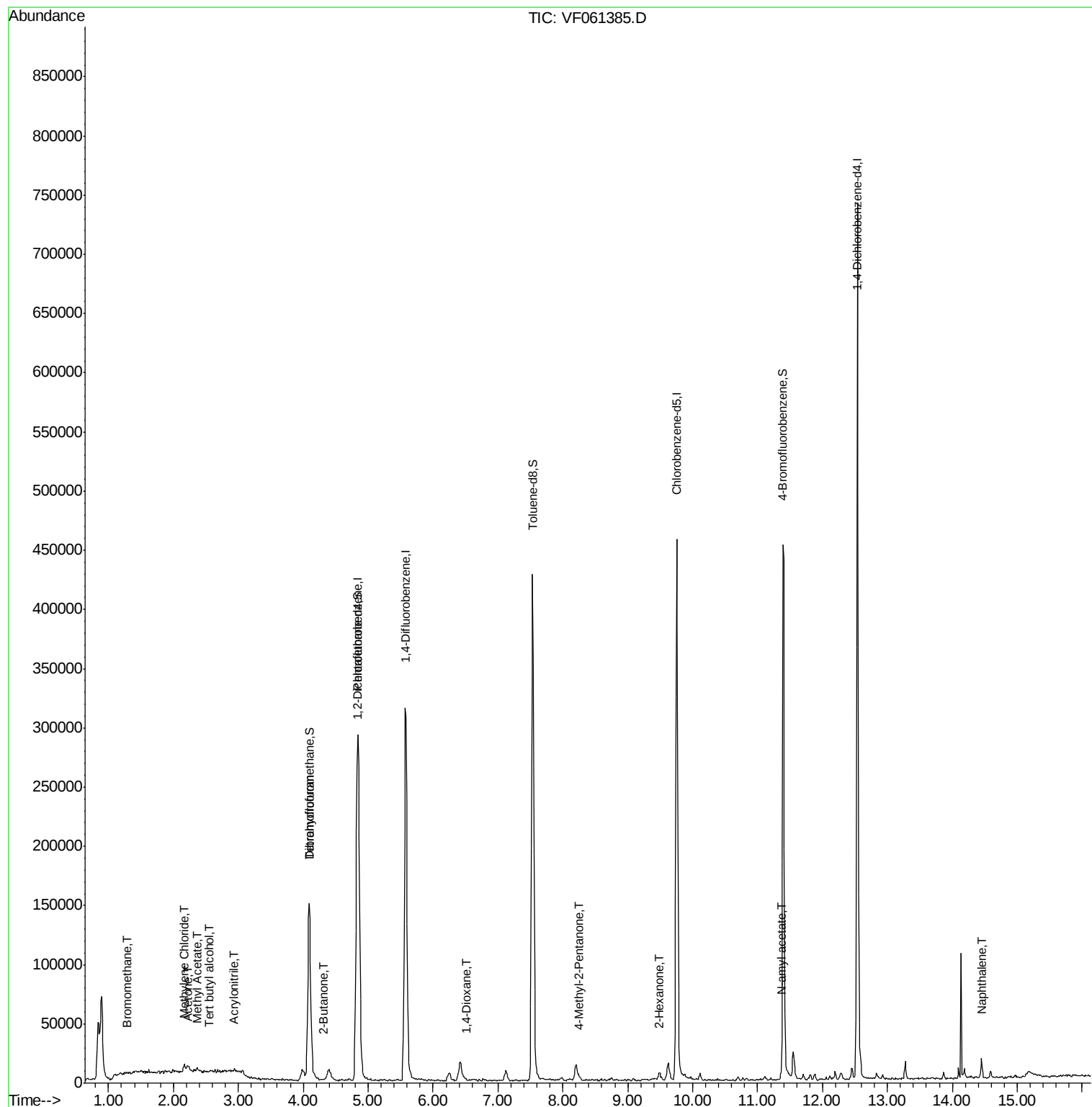
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	213341	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	367240	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	323925	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	176603	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	122694	51.67	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	103.34%	
35) Dibromofluoromethane	4.09	113	144443	51.40	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	102.80%	
50) Toluene-d8	7.53	98	358866	43.16	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	86.32%	
62) 4-Bromofluorobenzene	11.39	95	189109	52.08	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	104.16%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.28	94	640	3.134	ug/l #	6
11) Tert butyl alcohol	2.55	59	181	1.904	ug/l #	58
13) Acrolein	1.95	56	144	Below Cal		99
15) Acrylonitrile	2.93	53	1786	5.299	ug/l #	84
16) Acetone	2.23	43	4568	8.269	ug/l #	77
18) Methyl Acetate	2.36	43	1684	1.549	ug/l #	65
20) Methylene Chloride	2.17	84	3286	1.406	ug/l #	86
25) 2-Butanone	4.32	43	1624	1.827	ug/l #	62
29) Tetrahydrofuran	4.08	42	1055	2.838	ug/l #	68
49) 1,4-Dioxane	6.51	88	111	13.145	ug/l #	1
51) 4-Methyl-2-Pentanone	8.24	43	4012	2.578	ug/l	96
59) 2-Hexanone	9.48	43	4206	3.815	ug/l	74
74) N-amyl acetate	11.36	43	4773	1.351	ug/l #	79
95) Naphthalene	14.45	128	8518	1.140	ug/l #	91

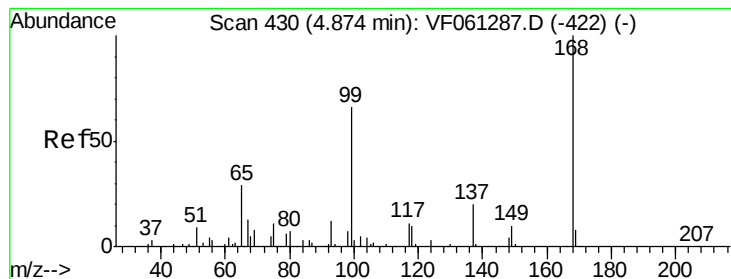
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011419\
Data File : VF061385.D
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Sample : VF0114SBL01
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ClientSampleId :

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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: VF061385.D

Acq: 14 Jan 2019 13:08

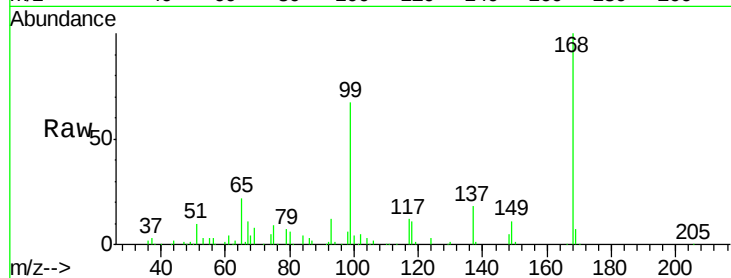
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 213341

Ion Ratio Lower Upper

168 100

99 67.3 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

80000

60000

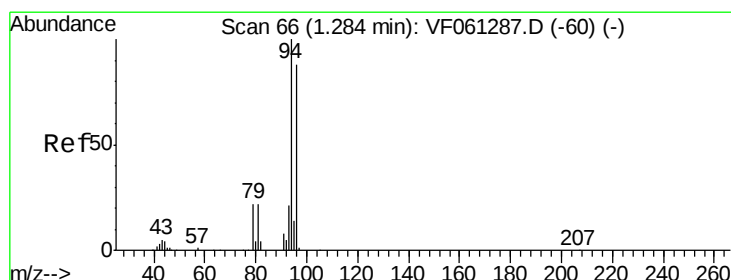
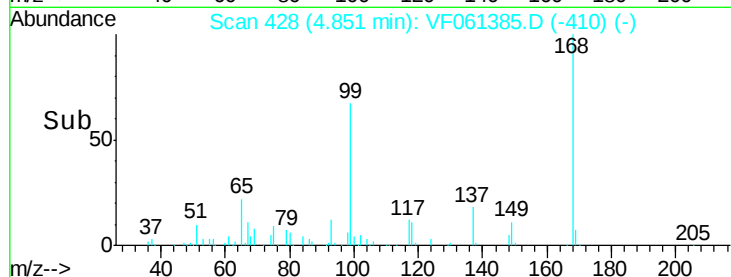
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#5

Bromomethane

Concen: 3.134 ug/l

RT: 1.28 min Scan# 66

Delta R.T. -0.00 min

Lab File: VF061385.D

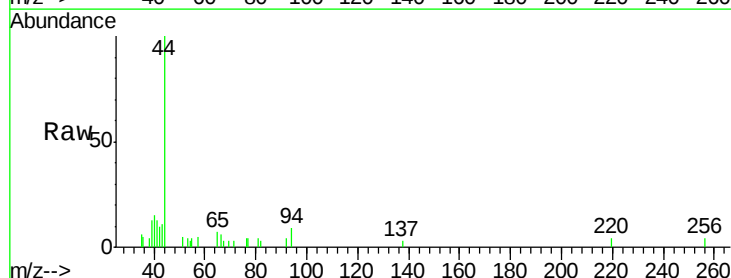
Acq: 14 Jan 2019 13:08

Tgt Ion: 94 Resp: 640

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

1.28

500

400

300

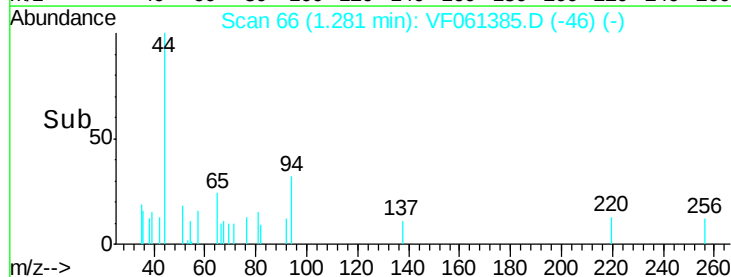
200

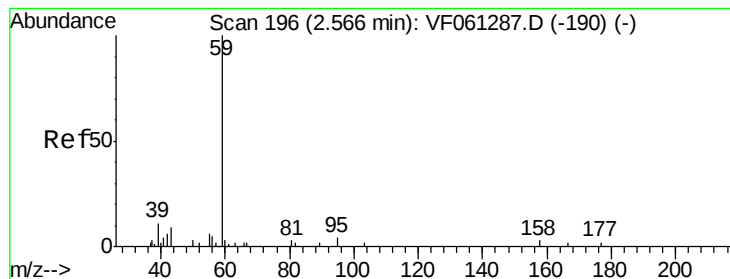
100

0

Time-->

1.25 1.30 1.35



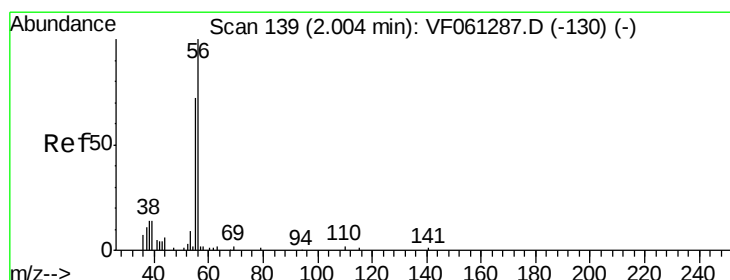
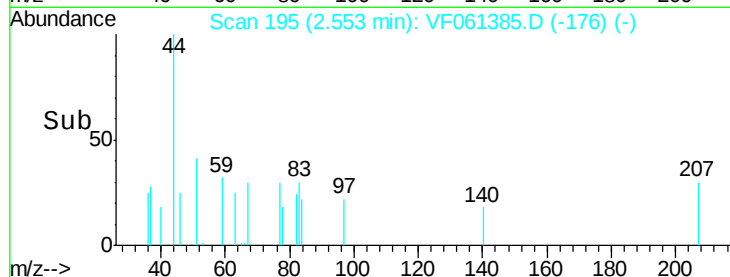
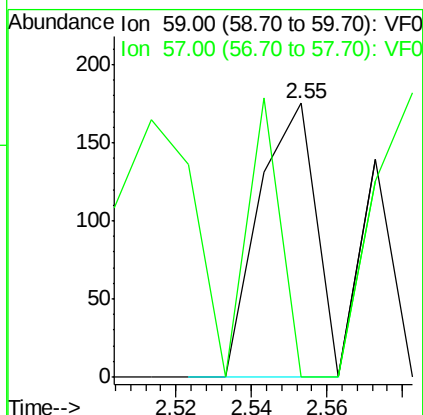
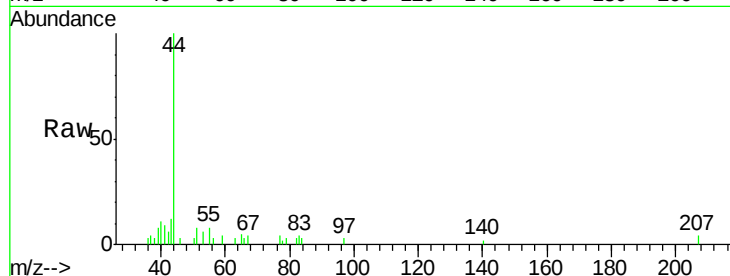


#11

Tert butyl alcohol
Concen: 1.904 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF061385.D
Acq: 14 Jan 2019 13:08

Instrument :
MSVOA_F
ClientSampleId :

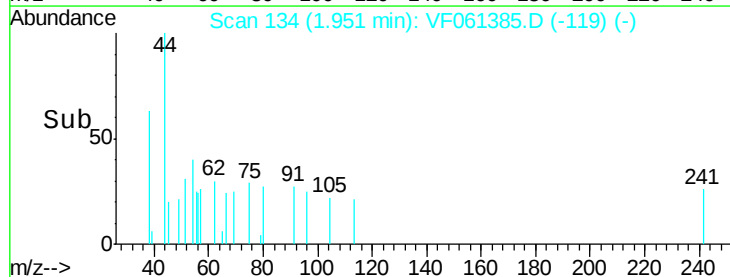
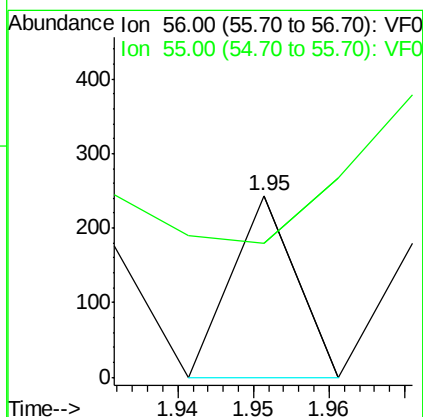
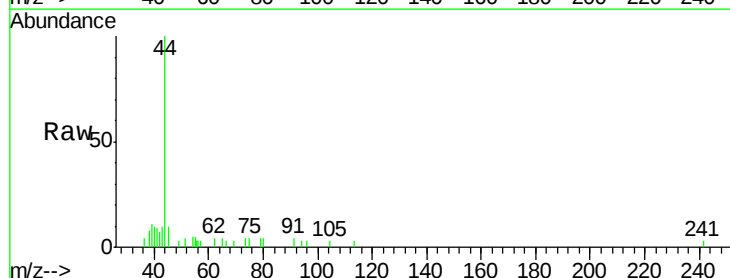
Tot Ion: 59 Resp: 181
Ion Ratio Lower Upper
59 100
57 0.0 15.1 22.7#

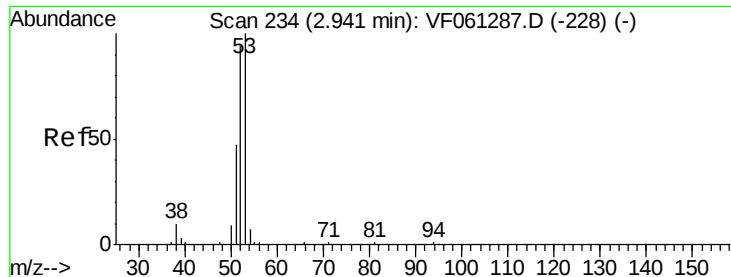


#13

Acrolein
Concen: Below Cal
RT: 1.95 min Scan# 134
Delta R.T. -0.05 min
Lab File: VF061385.D
Acq: 14 Jan 2019 13:08

Tgt Ion: 56 Resp: 144
Ion Ratio Lower Upper
56 100
55 73.4 59.4 89.0





#15

Acrylonitrile

Concen: 5.299 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.01 min

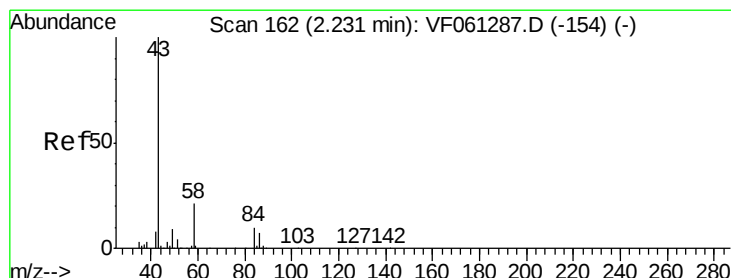
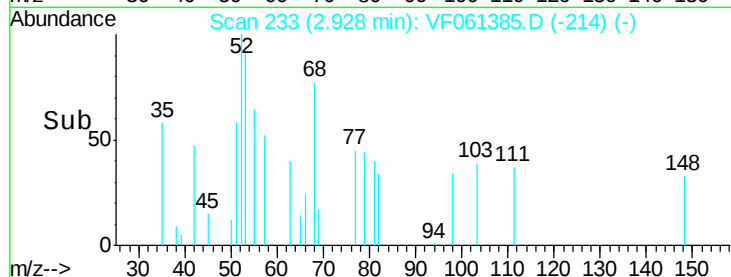
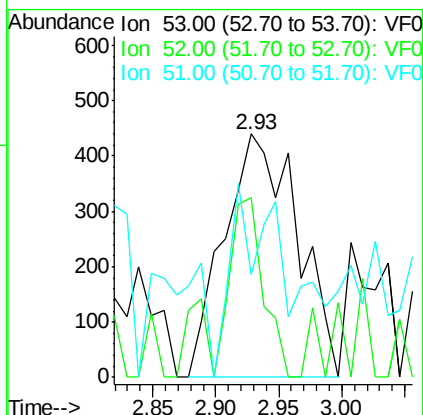
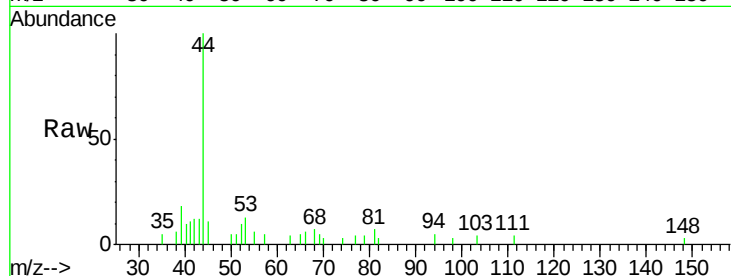
Lab File: VF061385.D

Acq: 14 Jan 2019 13:08

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 53 Resp: 1786

Ion	Ratio	Lower	Upper
53	100		
52	73.6	74.6	111.8#
51	42.5	37.8	56.6



#16

Acetone

Concen: 8.269 ug/l

RT: 2.23 min Scan# 162

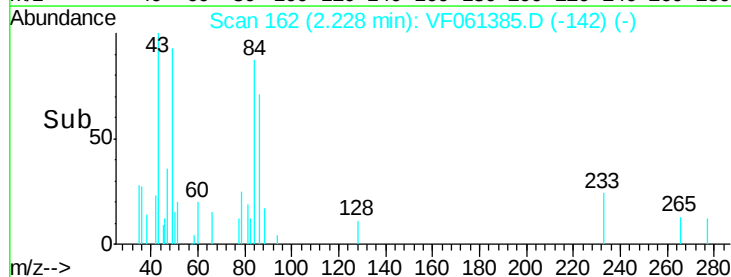
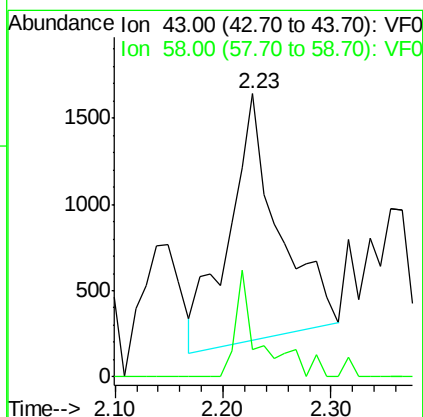
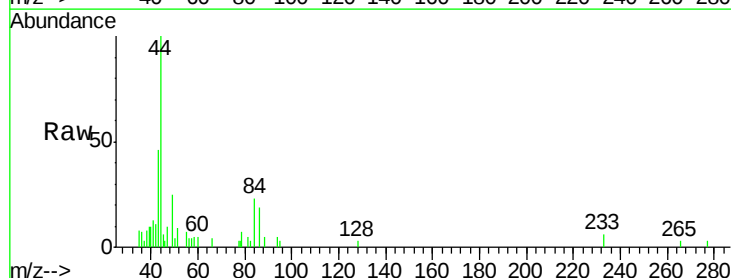
Delta R.T. -0.00 min

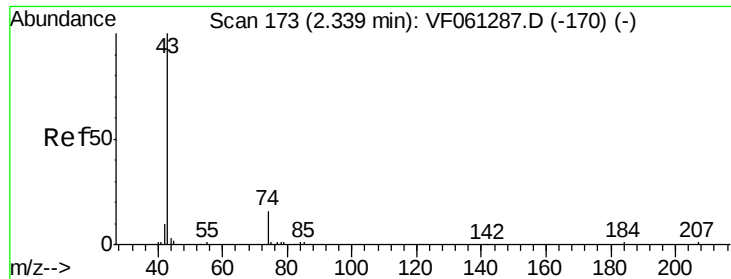
Lab File: VF061385.D

Acq: 14 Jan 2019 13:08

Tgt Ion: 43 Resp: 4568

Ion	Ratio	Lower	Upper
43	100		
58	9.9	16.6	25.0#

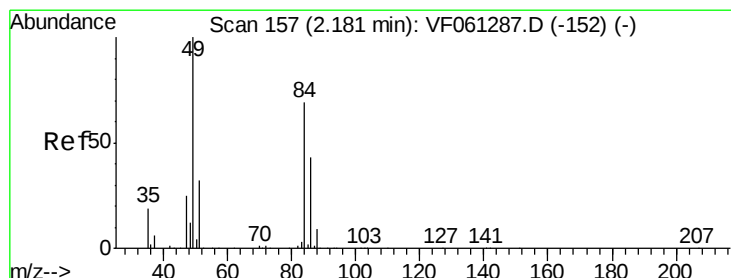
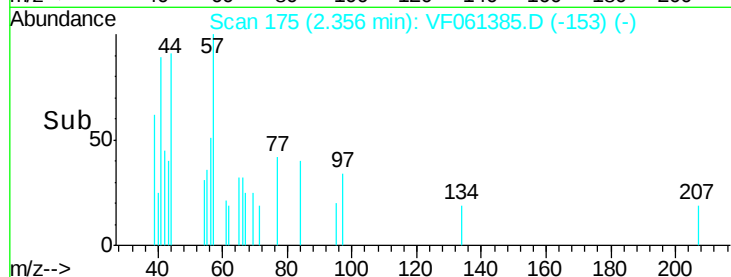
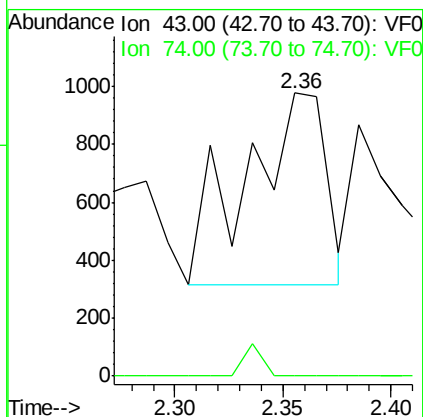
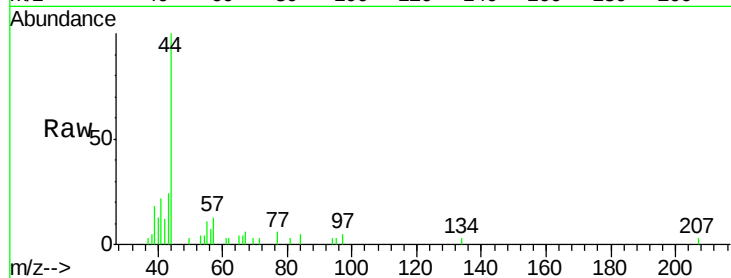




#18
Methyl Acetate
Concen: 1.549 ug/l
RT: 2.36 min Scan# 175
Delta R.T. 0.02 min
Lab File: VF061385.D
Acq: 14 Jan 2019 13:08

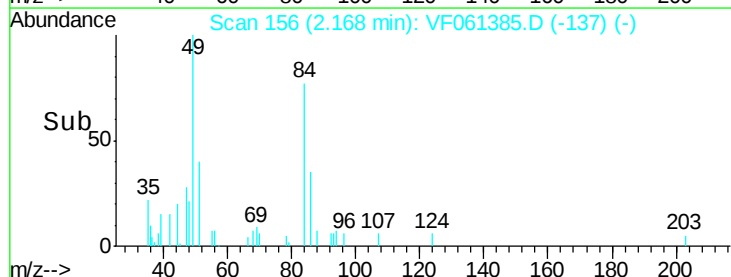
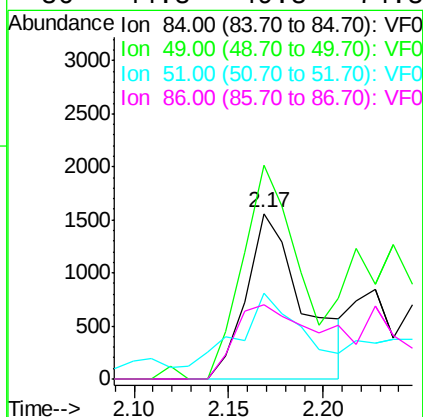
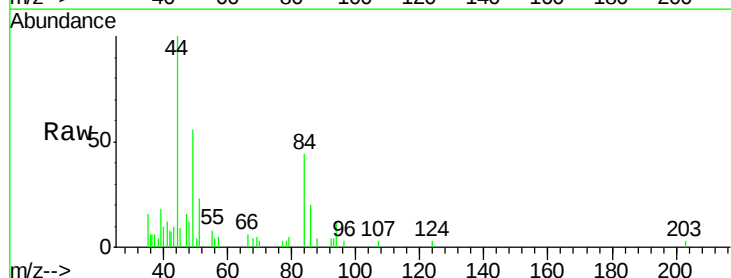
Instrument :
MSVOA_F
ClientSampled :

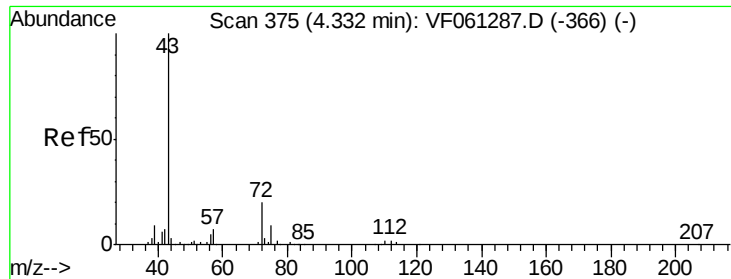
Tot Ion: 43 Resp: 1684
Ion Ratio Lower Upper
43 100
74 0.0 11.6 17.4#



#20
Methylene Chloride
Concen: 1.406 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF061385.D
Acq: 14 Jan 2019 13:08

Tgt Ion: 84 Resp: 3286
Ion Ratio Lower Upper
84 100
49 129.3 116.6 175.0
51 51.7 37.7 56.5
86 44.8 49.8 74.8#





#25

2-Butanone

Concen: 1.827 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.01 min

Lab File: VF061385.D

Acq: 14 Jan 2019 13:08

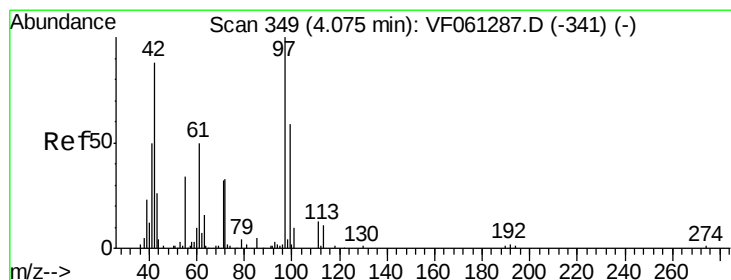
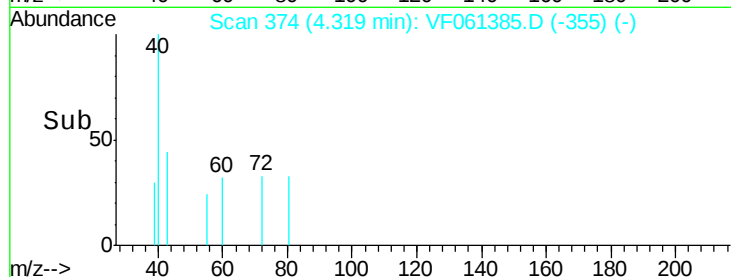
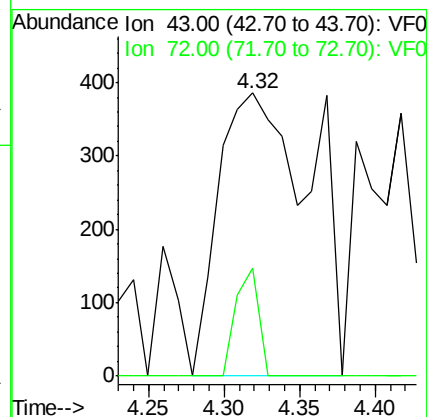
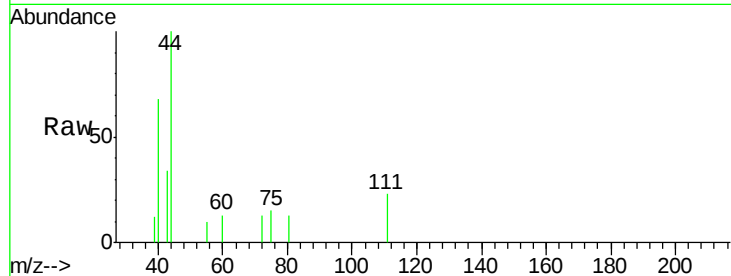
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 1624

Ion Ratio Lower Upper

43 100

72 38.1 16.5 24.7#



#29

Tetrahydrofuran

Concen: 2.838 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.01 min

Lab File: VF061385.D

Acq: 14 Jan 2019 13:08

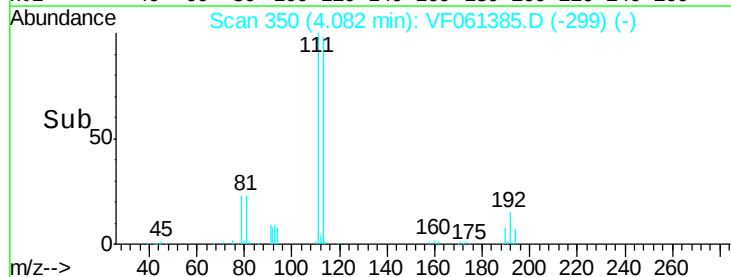
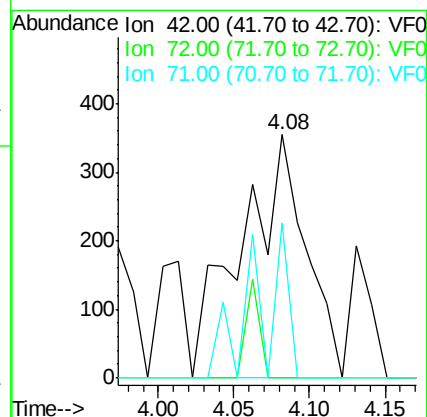
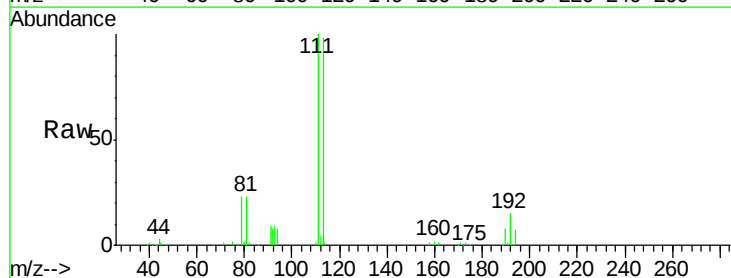
Tgt Ion: 42 Resp: 1055

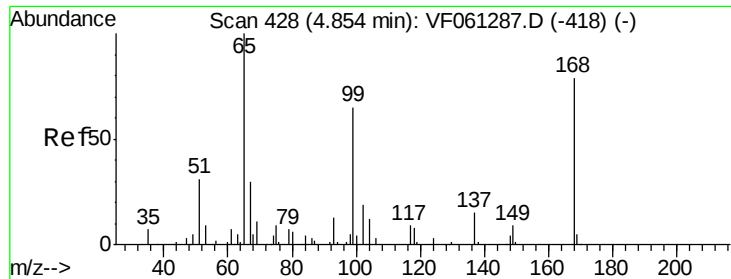
Ion Ratio Lower Upper

42 100

72 8.1 32.3 48.5#

71 30.6 29.5 44.3





#33

1,2-Dichloroethane-d4

Concen: 51.669 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.03 min

Lab File: VF061385.D

Acq: 14 Jan 2019 13:08

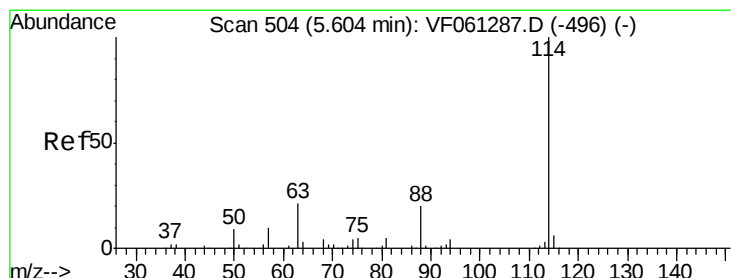
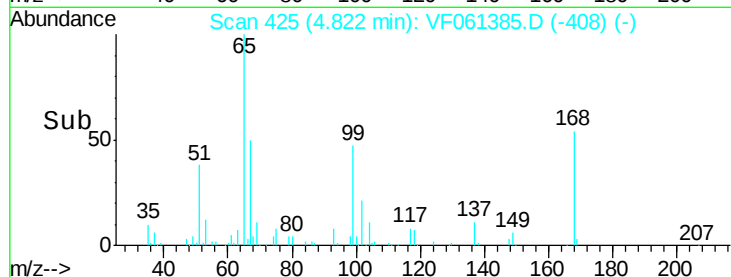
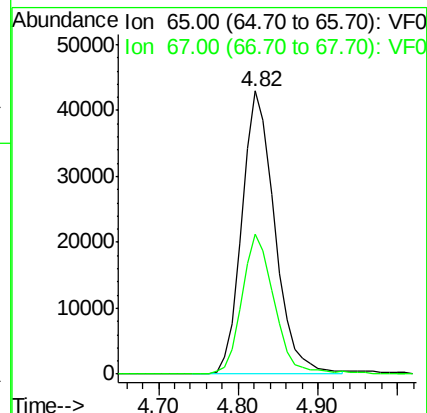
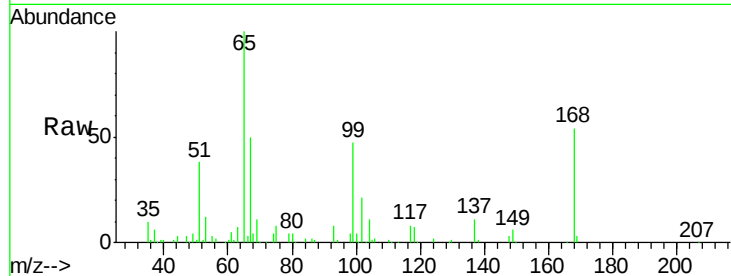
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 122694

Ion Ratio Lower Upper

65 100

67 49.6 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.02 min

Lab File: VF061385.D

Acq: 14 Jan 2019 13:08

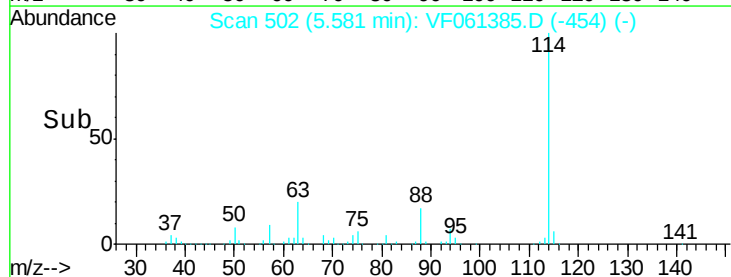
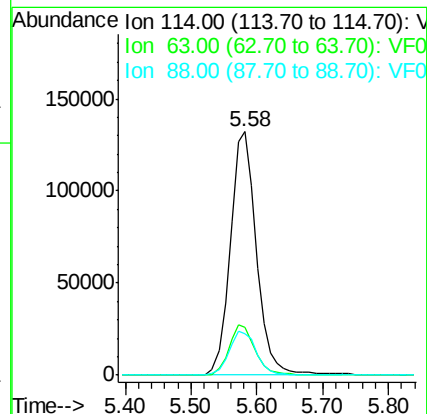
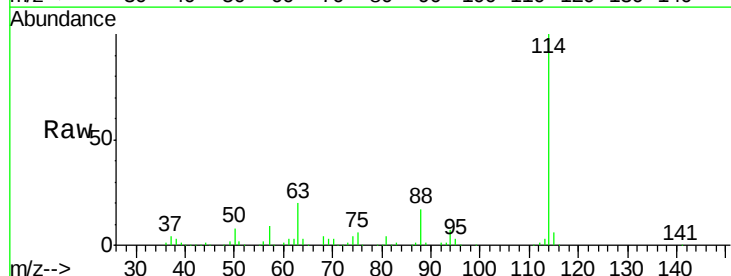
Tgt Ion: 114 Resp: 367240

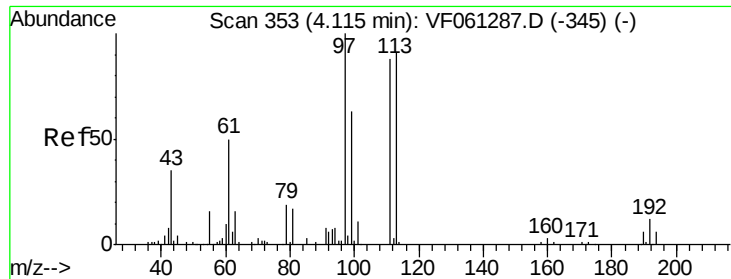
Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.8

88 17.1 0.0 40.0

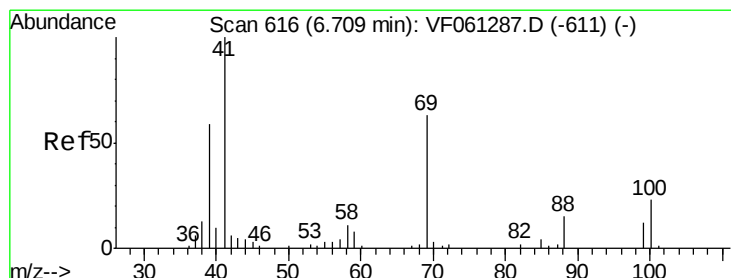
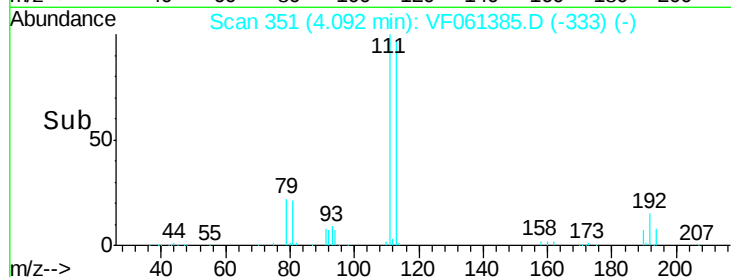
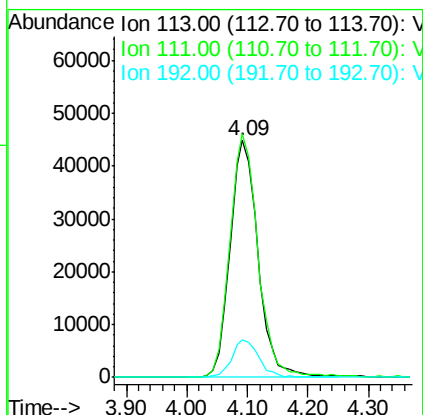
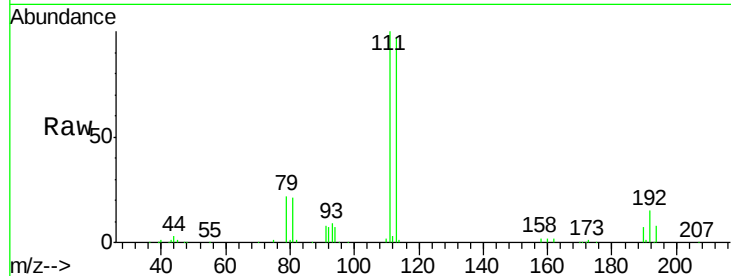




#35
 Dibromofluoromethane
 Concen: 51.403 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VF061385.D
 Acq: 14 Jan 2019 13:08

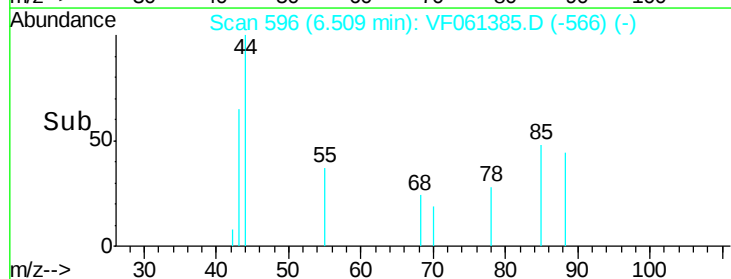
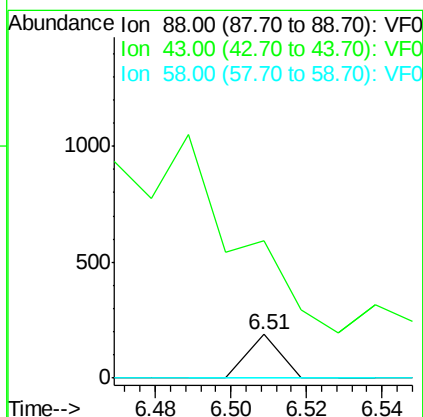
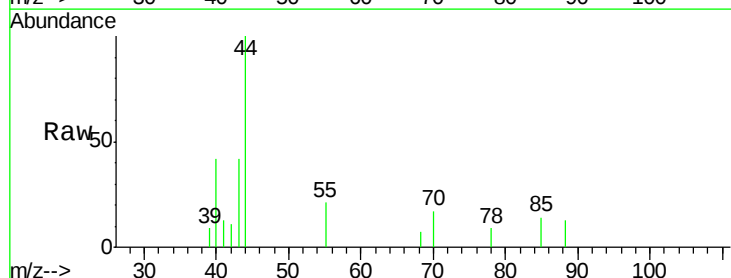
Instrument :
 MSVOA_F
 ClientSampleId :

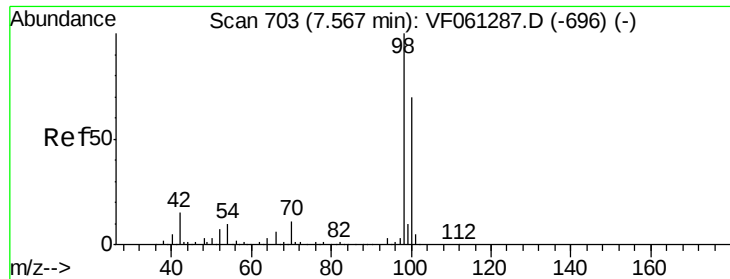
Tot Ion:113 Resp: 144443
 Ion Ratio Lower Upper
 113 100
 111 102.7 78.0 117.0
 192 15.8 10.6 16.0



#49
 1,4-Dioxane
 Concen: 13.145 ug/l
 RT: 6.51 min Scan# 596
 Delta R.T. -0.20 min
 Lab File: VF061385.D
 Acq: 14 Jan 2019 13:08

Tgt Ion: 88 Resp: 111
 Ion Ratio Lower Upper
 88 100
 43 316.0 38.5 57.7#
 58 0.0 57.0 85.4#





#50

Toluene-d8

Concen: 43.156 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.03 min

Lab File: VF061385.D

Acq: 14 Jan 2019 13:08

Instrument :

MSVOA_F

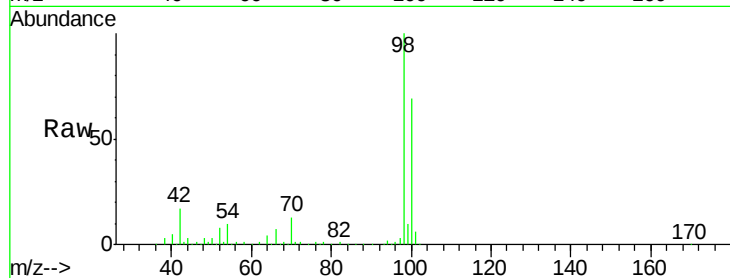
ClientSampleId :

Tot Ion: 98 Resp: 358866

Ion Ratio Lower Upper

98 100

100 68.8 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

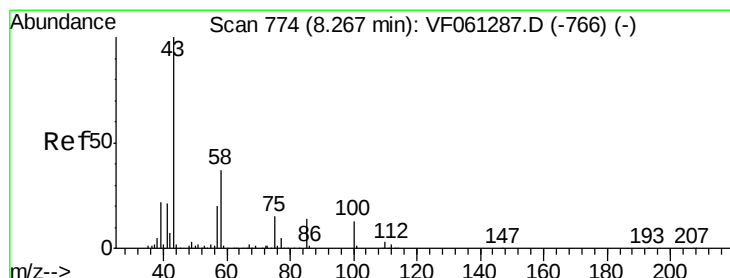
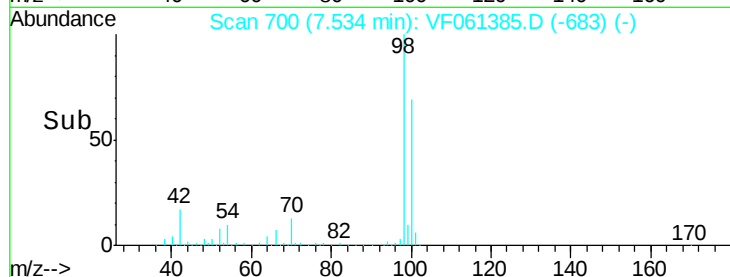
150000

100000

50000

0

Time--> 7.40 7.50 7.60 7.70



#51

4-Methyl-2-Pentanone

Concen: 2.578 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.02 min

Lab File: VF061385.D

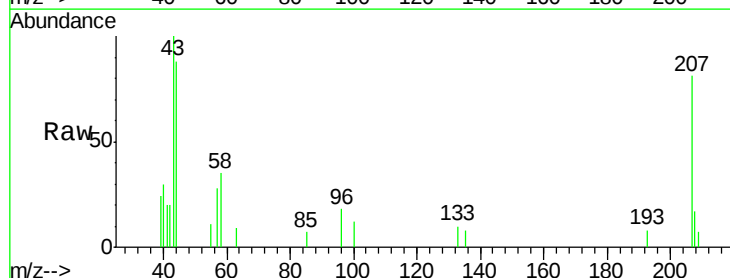
Acq: 14 Jan 2019 13:08

Tgt Ion: 43 Resp: 4012

Ion Ratio Lower Upper

43 100

58 34.6 29.6 44.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

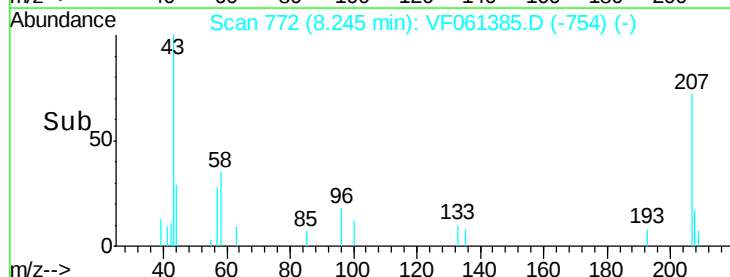
1500

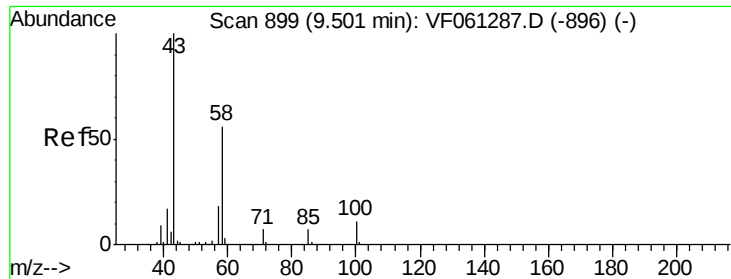
1000

500

0

Time--> 8.10 8.20 8.30

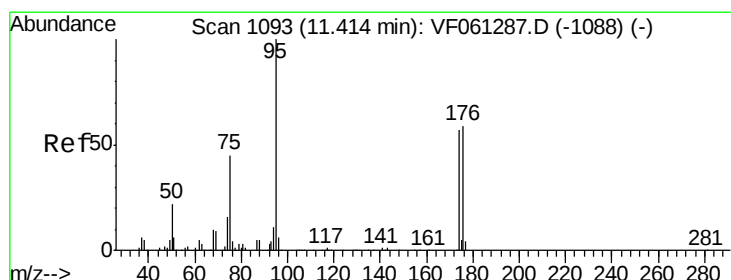
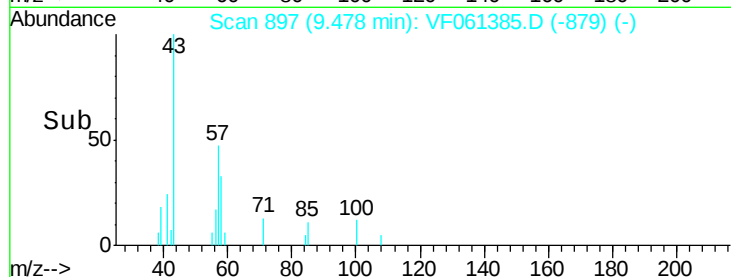
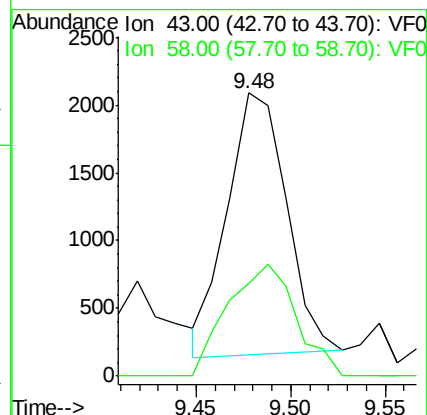
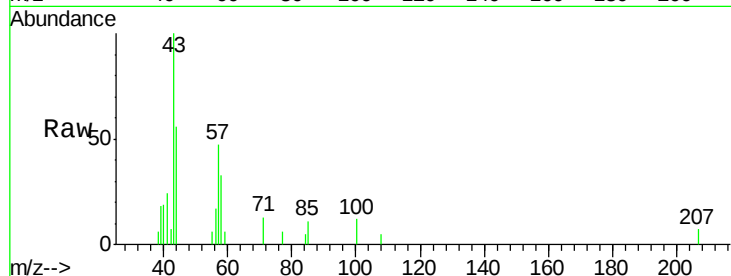




#59
2-Hexanone
Concen: 3.815 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.02 min
Lab File: VF061385.D
Acq: 14 Jan 2019 13:08

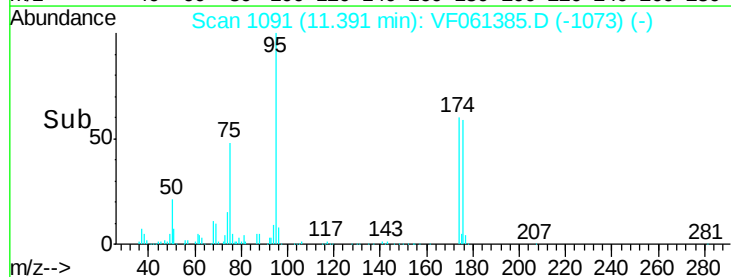
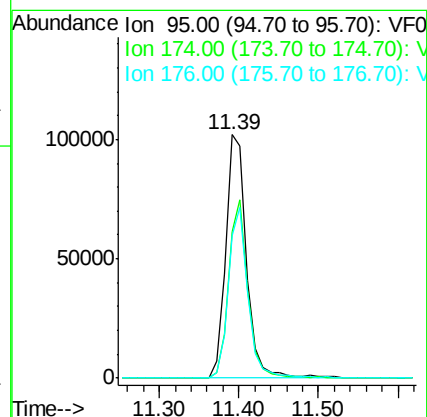
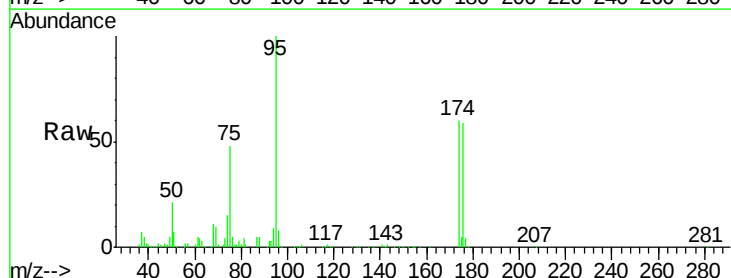
Instrument :
MSVOA_F
ClientSampleId :

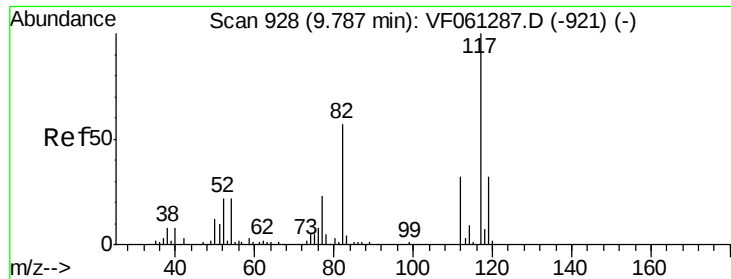
Tot Ion: 43 Resp: 4206
Ion Ratio Lower Upper
43 100
58 33.0 25.6 76.8



#62
4-Bromofluorobenzene
Concen: 52.081 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. -0.02 min
Lab File: VF061385.D
Acq: 14 Jan 2019 13:08

Tgt Ion: 95 Resp: 189109
Ion Ratio Lower Upper
95 100
174 60.0 0.0 114.2
176 58.7 0.0 117.8

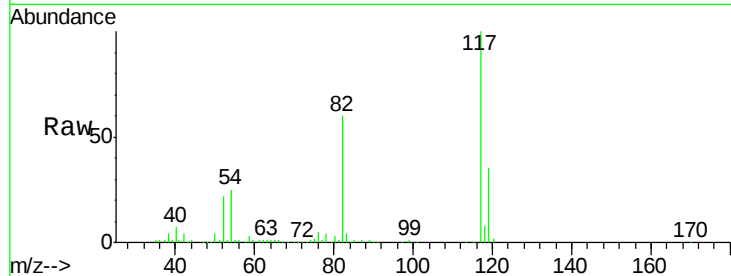




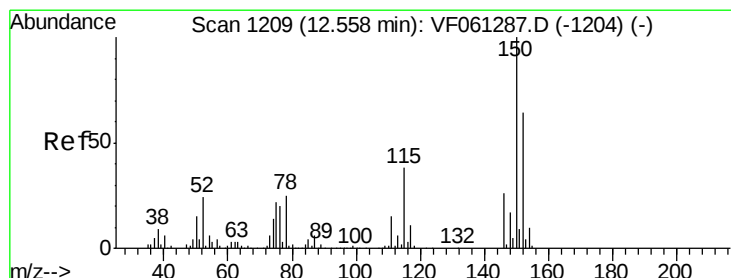
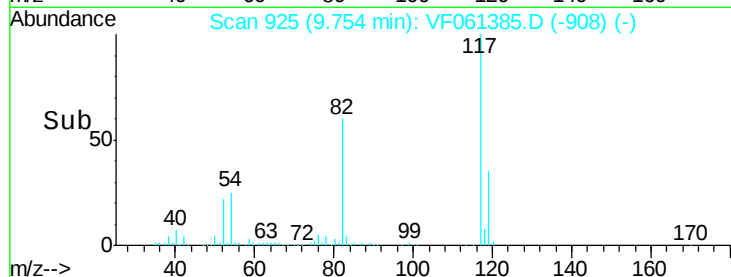
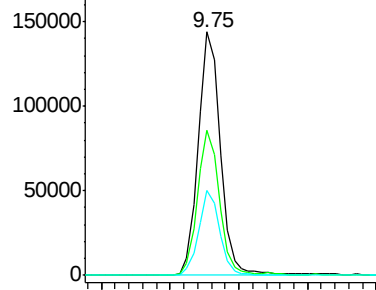
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.03 min
Lab File: VF061385.D
Acq: 14 Jan 2019 13:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.7	45.3	67.9
119	34.8	25.4	38.0

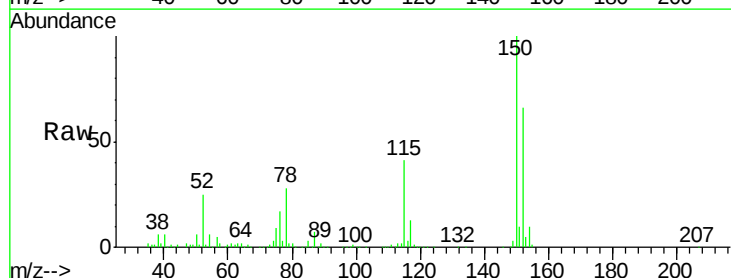


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

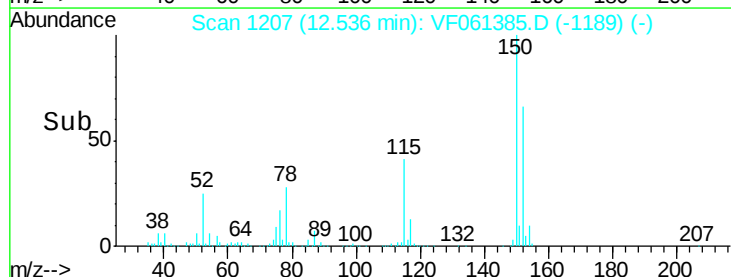
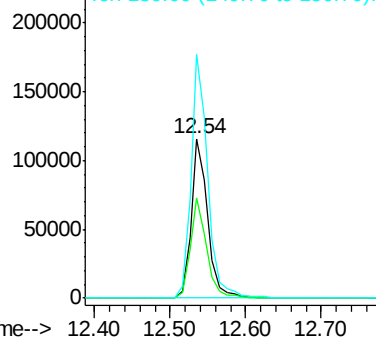


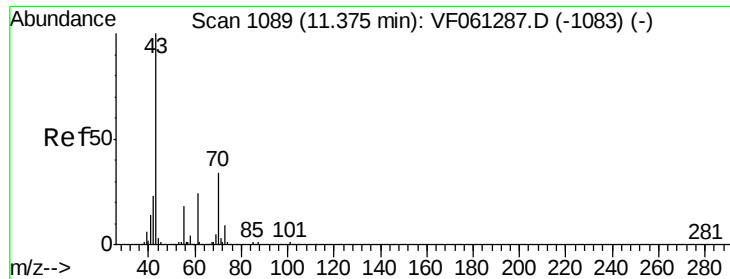
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.02 min
Lab File: VF061385.D
Acq: 14 Jan 2019 13:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.0	29.6	88.9
150	152.5	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-amyl acetate

Concen: 1.351 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF061385.D

Acq: 14 Jan 2019 13:08

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 43 Resp: 4773

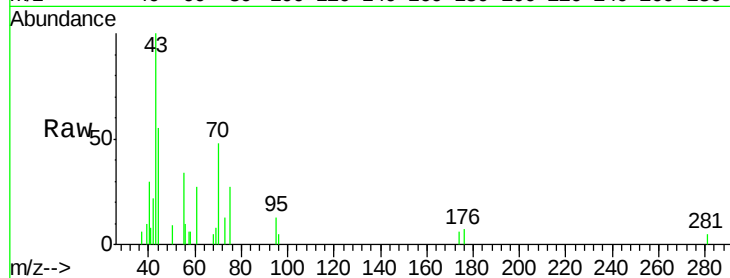
Ion Ratio Lower Upper

43 100

70 47.5 27.4 41.0#

55 33.8 14.7 22.1#

61 27.2 19.0 28.4

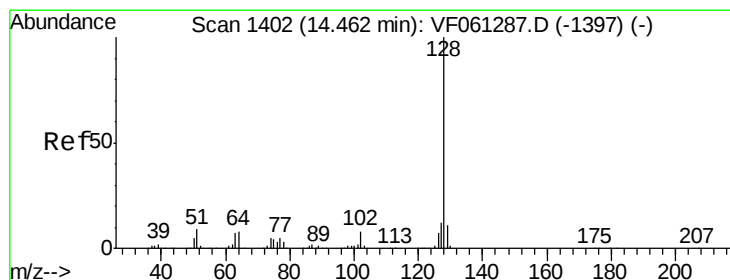
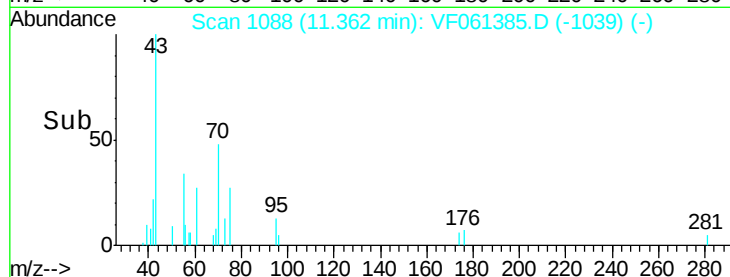
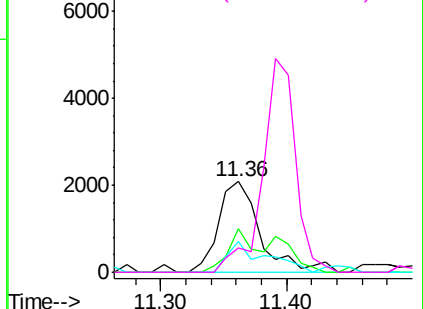


Abundance Ion 43.00 (42.70 to 43.70): VF0

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



#95

Naphthalene

Concen: 1.140 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.01 min

Lab File: VF061385.D

Acq: 14 Jan 2019 13:08

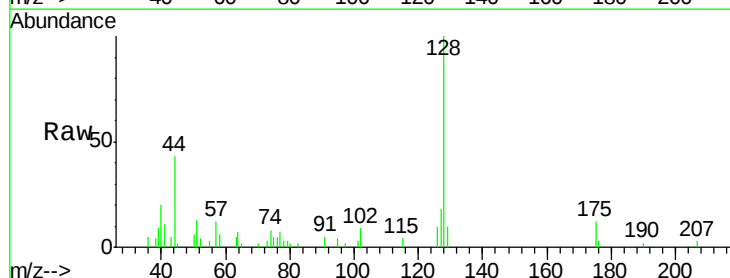
Tgt Ion: 128 Resp: 8518

Ion Ratio Lower Upper

128 100

127 17.7 9.4 14.0#

129 10.5 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

