

Data File : VF061323.D
Acq On : 10 Jan 2019 3:40
Operator : VA/AP
Sample : K1082-31RE
Misc : 4.57g/5mL/MSVOA-F/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SP-1-5

Quant Time: Jan 10 06:06:03 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	4.88	168	195648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	361975	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	303612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	156715	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	126169	57.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.88%	
35) Dibromofluoromethane	4.13	113	141487	51.08	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.16%	
50) Toluene-d8	7.57	98	327990	40.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.04%	
62) 4-Bromofluorobenzene	11.42	95	151456	42.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.64%	

Target Compounds

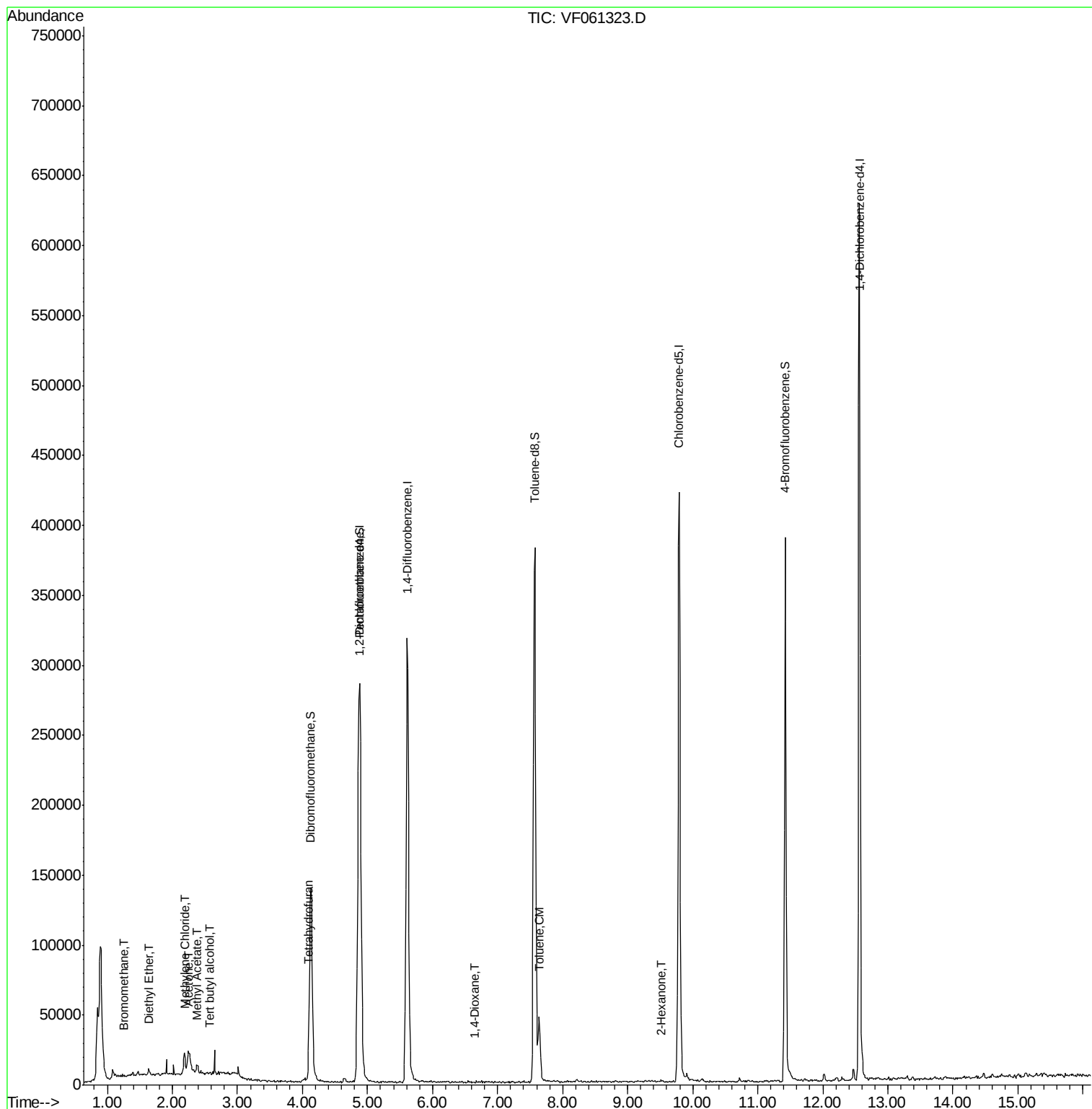
						Qvalue
5) Bromomethane	1.26	94	315	3.033	ug/l #	6
8) Diethyl Ether	1.63	74	1167	1.632	ug/l	62
11) Tert butyl alcohol	2.58	59	212	2.431	ug/l #	43
13) Acrolein	1.98	56	210	Below Cal		84
16) Acetone	2.24	43	21169	41.788	ug/l #	90
18) Methyl Acetate	2.38	43	4187	4.201	ug/l #	65
20) Methylene Chloride	2.19	84	5684	2.652	ug/l #	91
29) Tetrahydrofuran	4.09	42	742	2.177	ug/l #	46
49) 1,4-Dioxane	6.63	88	66	7.929	ug/l #	20
52) Toluene	7.64	92	24535	3.868	ug/l	99
59) 2-Hexanone	9.52	43	1340	1.233	ug/l	73

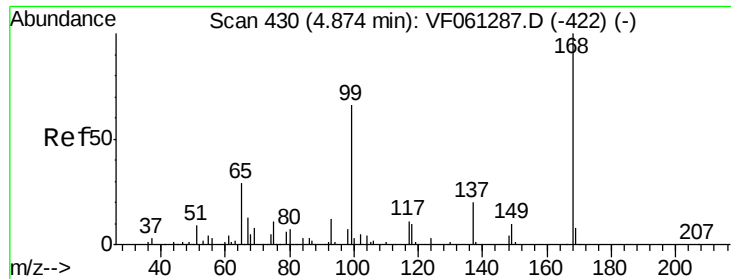
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VF061323.D
Acq On : 10 Jan 2019 3:40
Operator : VA/AP
Sample : K1082-31RE
Misc : 4.57g/5mL/MSVOA-F/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SP-1-5

Quant Time: Jan 10 06:06:03 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.00 min

Lab File: VF061323.D

Acq: 10 Jan 2019 3:40

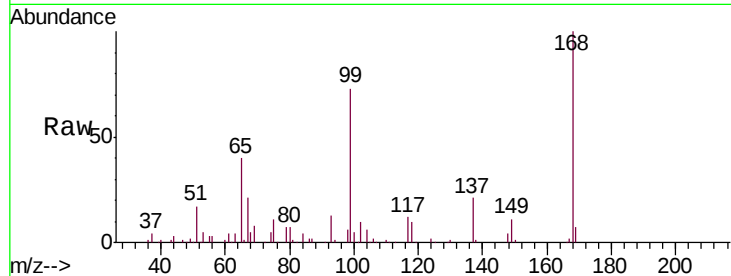
Instrument :
MSVOA_F
ClientSampleId :
SP-1-5

Tgt Ion: 168 Resp: 195648

Ion Ratio Lower Upper

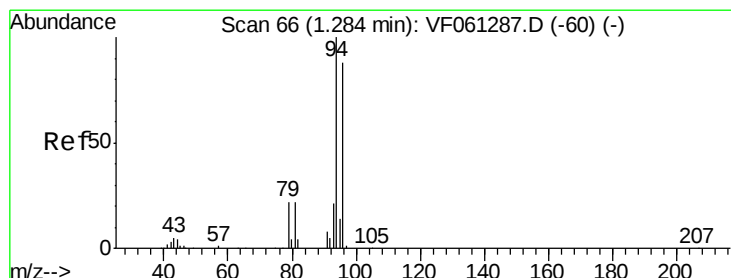
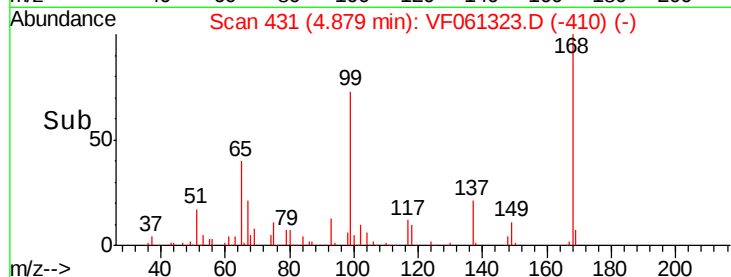
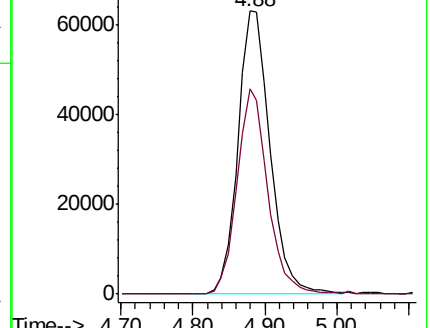
168 100

99 72.7 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#5

Bromomethane

Concen: 3.033 ug/l

RT: 1.26 min Scan# 64

Delta R.T. -0.02 min

Lab File: VF061323.D

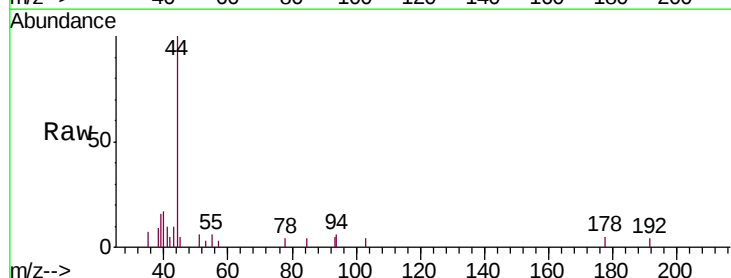
Acq: 10 Jan 2019 3:40

Tgt Ion: 94 Resp: 315

Ion Ratio Lower Upper

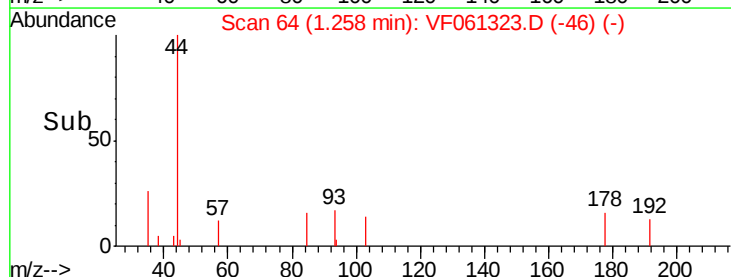
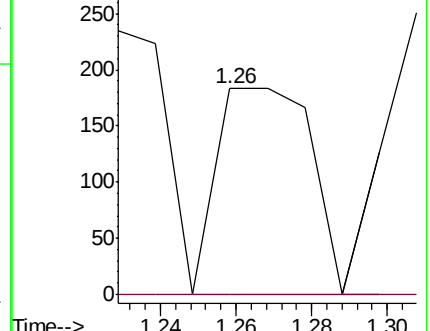
94 100

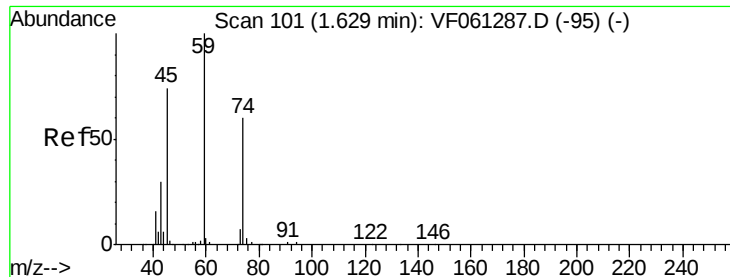
96 0.0 70.2 105.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0





#8

Diethyl Ether

Concen: 1.632 ug/l

RT: 1.63 min Scan# 102

Delta R.T. 0.00 min

Lab File: VF061323.D

Acq: 10 Jan 2019 3:40

Instrument :

MSVOA_F

ClientSampleId :

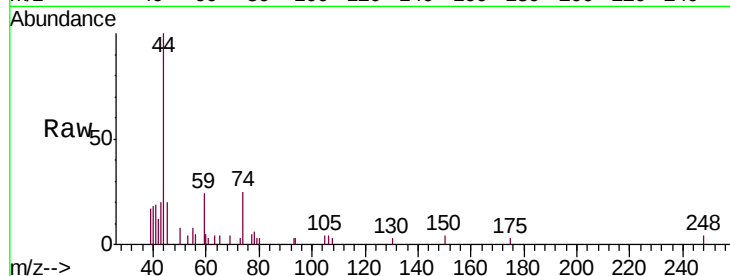
SP-1-5

Tgt Ion: 74 Resp: 1167

Ion Ratio Lower Upper

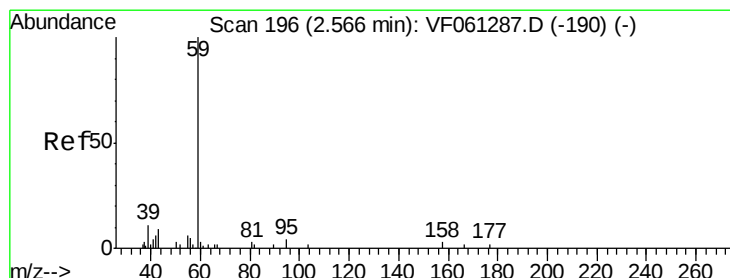
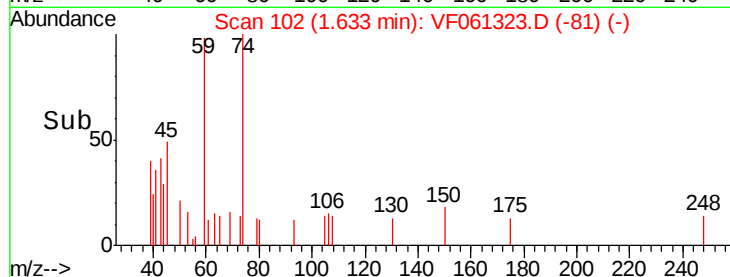
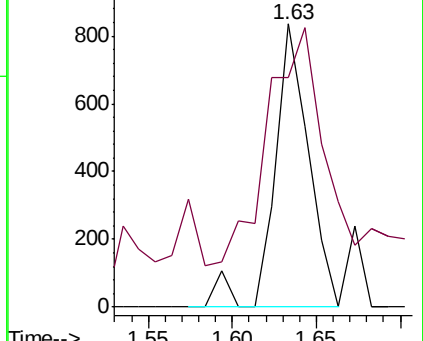
74 100

45 81.1 62.1 186.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#11

Tert butyl alcohol

Concen: 2.431 ug/l

RT: 2.58 min Scan# 198

Delta R.T. 0.01 min

Lab File: VF061323.D

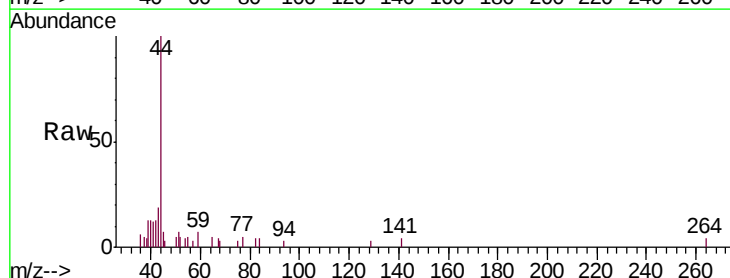
Acq: 10 Jan 2019 3:40

Tgt Ion: 59 Resp: 212

Ion Ratio Lower Upper

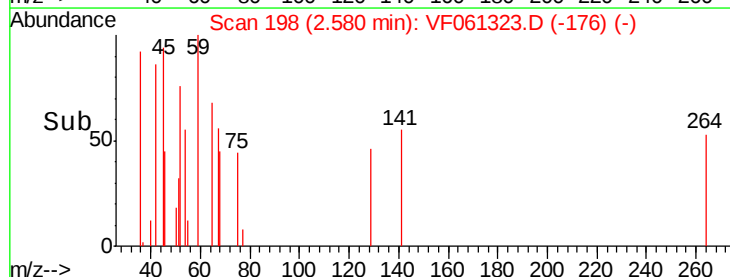
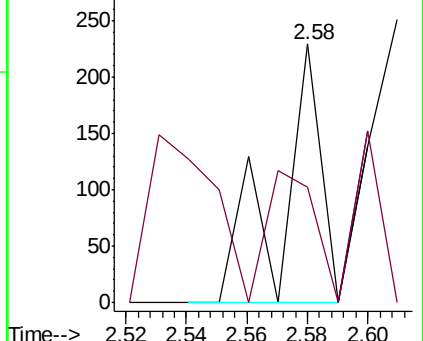
59 100

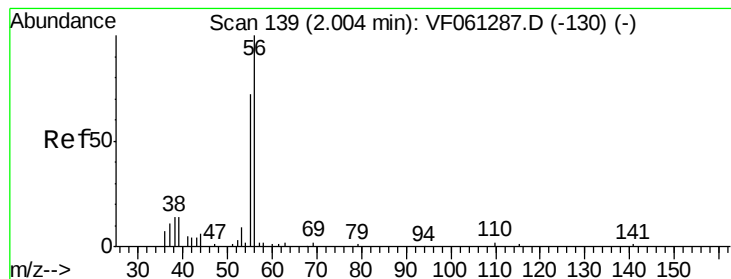
57 44.5 15.1 22.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: Below Cal

RT: 1.98 min Scan# 137

Delta R.T. -0.02 min

Lab File: VF061323.D

Acq: 10 Jan 2019 3:40

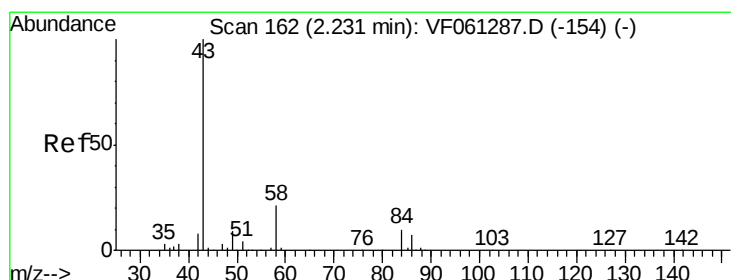
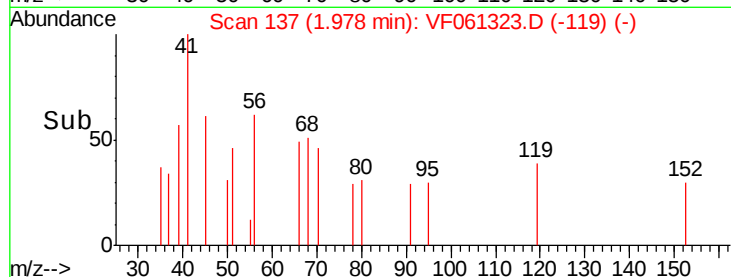
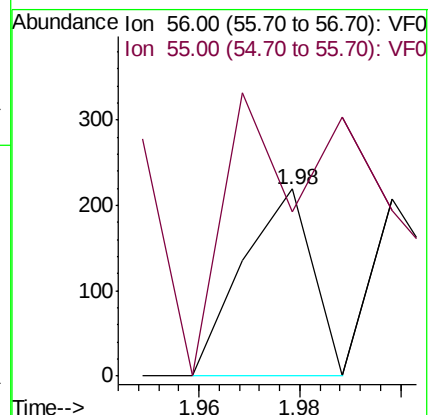
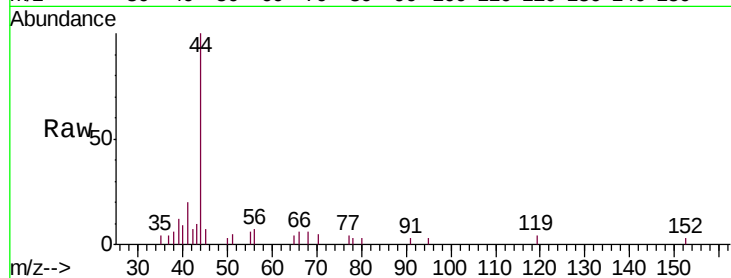
Instrument :
MSVOA_F
ClientSampled :
SP-1-5

Tgt Ion: 56 Resp: 210

Ion Ratio Lower Upper

56 100

55 88.1 59.4 89.0



#16

Acetone

Concen: 41.788 ug/l

RT: 2.24 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF061323.D

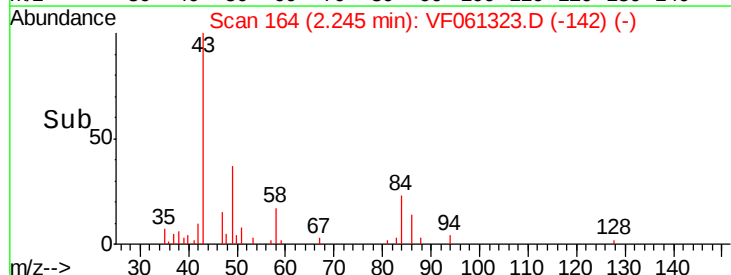
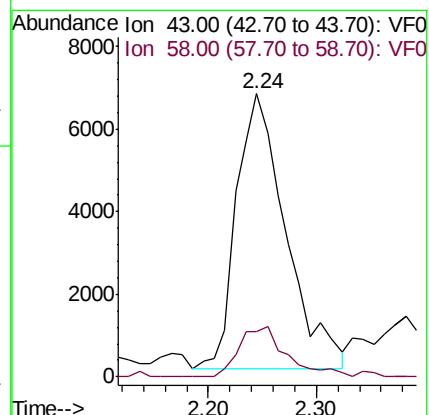
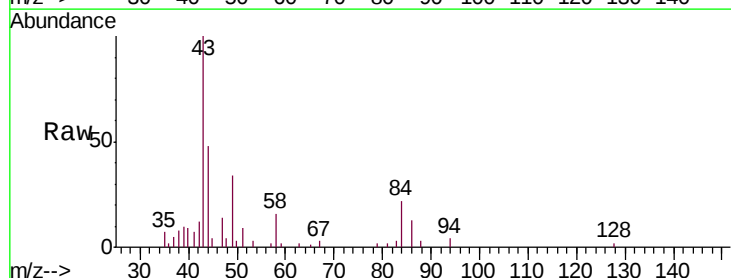
Acq: 10 Jan 2019 3:40

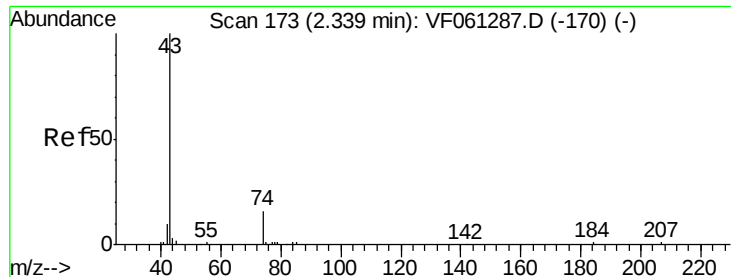
Tgt Ion: 43 Resp: 21169

Ion Ratio Lower Upper

43 100

58 16.1 16.6 25.0#

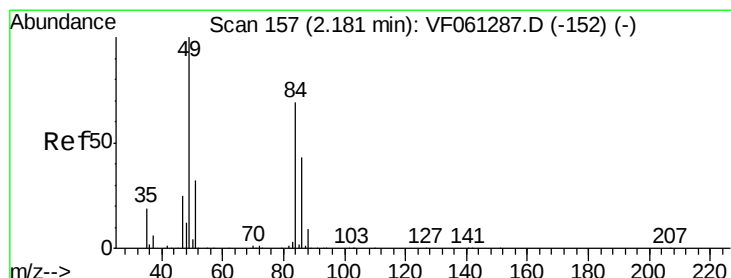
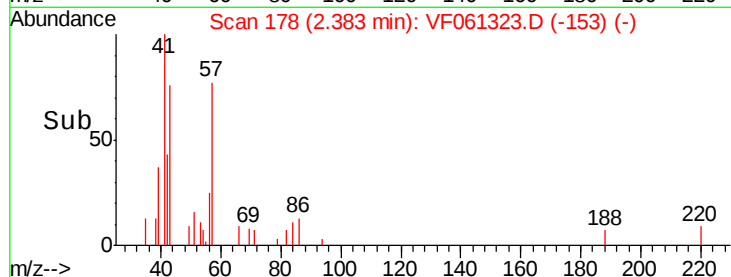
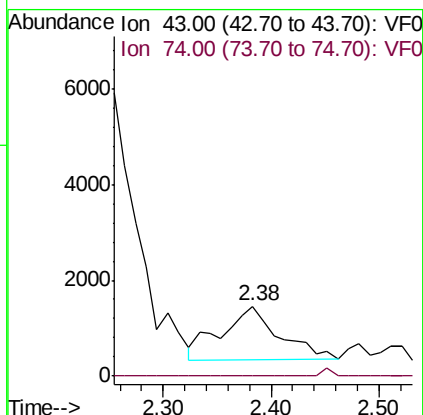
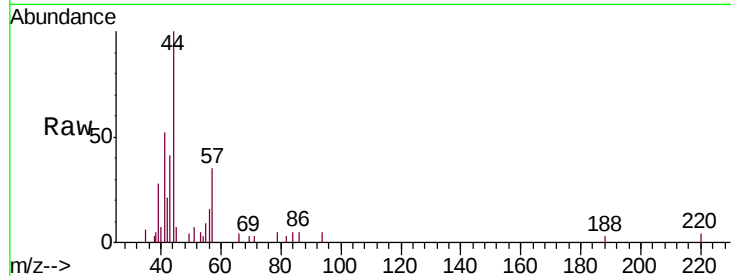




#18
Methyl Acetate
Concen: 4.201 ug/l
RT: 2.38 min Scan# 178
Delta R.T. 0.04 min
Lab File: VF061323.D
Acq: 10 Jan 2019 3:40

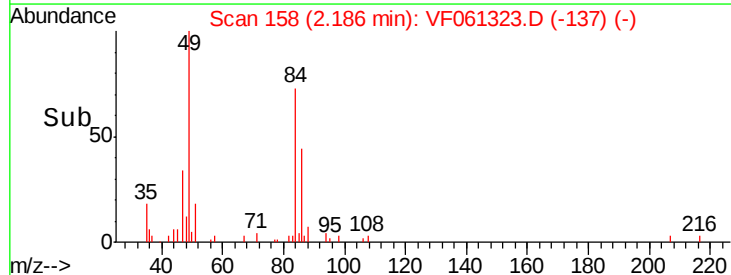
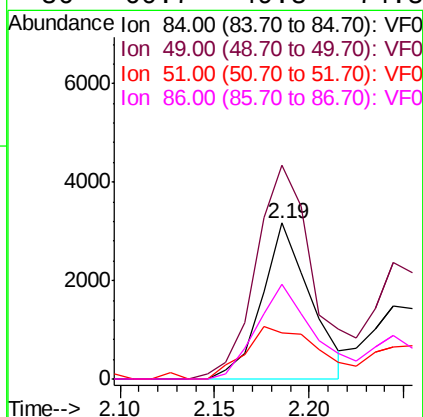
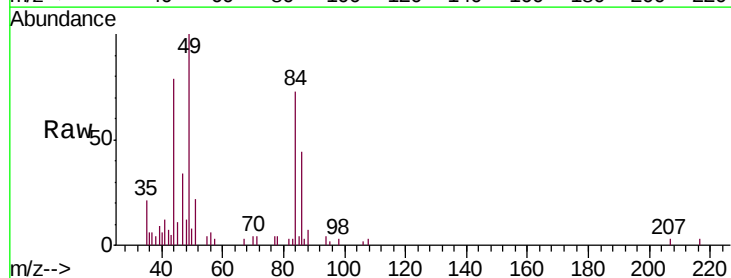
Instrument :
MSVOA_F
ClientSampleId :
SP-1-5

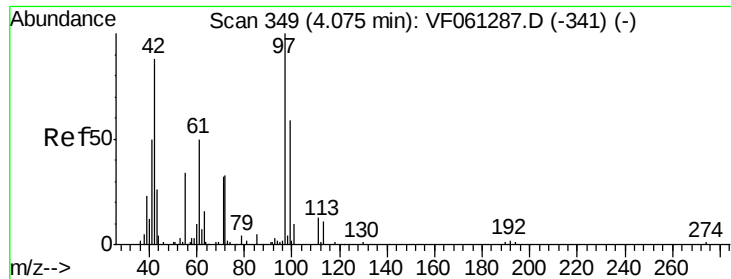
Tgt Ion: 43 Resp: 4187
Ion Ratio Lower Upper
43 100
74 0.0 11.6 17.4#



#20
Methylene Chloride
Concen: 2.652 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF061323.D
Acq: 10 Jan 2019 3:40

Tgt Ion: 84 Resp: 5684
Ion Ratio Lower Upper
84 100
49 137.0 116.6 175.0
51 29.8 37.7 56.5#
86 60.7 49.8 74.8





#29

Tetrahydrofuran

Concen: 2.177 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.01 min

Lab File: VF061323.D

Acq: 10 Jan 2019 3:40

Instrument :

MSVOA_F

ClientSampleId :

SP-1-5

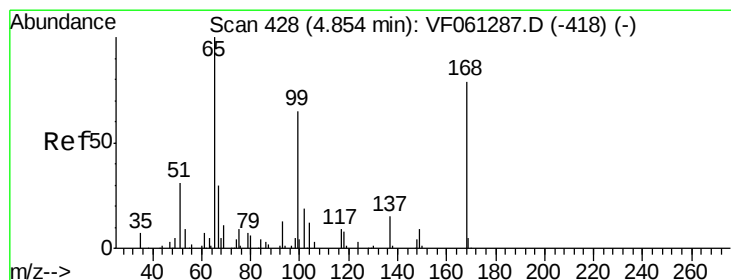
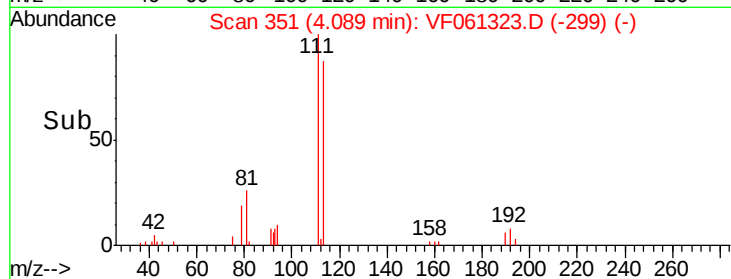
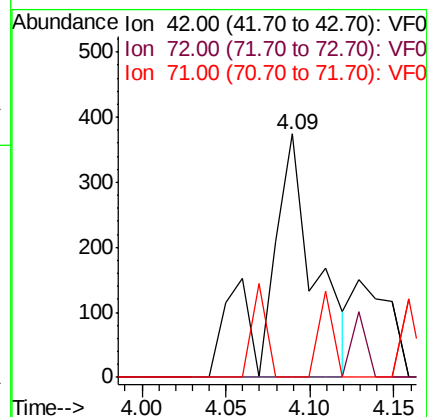
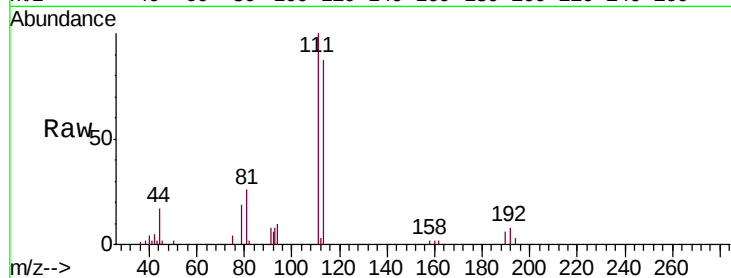
Tgt Ion: 42 Resp: 742

Ion Ratio Lower Upper

42 100

72 0.0 32.3 48.5#

71 11.6 29.5 44.3#



#33

1,2-Dichloroethane-d4

Concen: 57.937 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.00 min

Lab File: VF061323.D

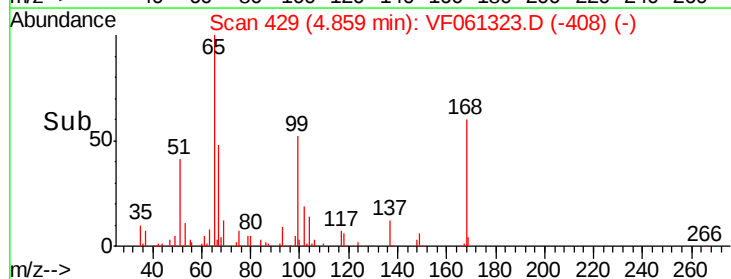
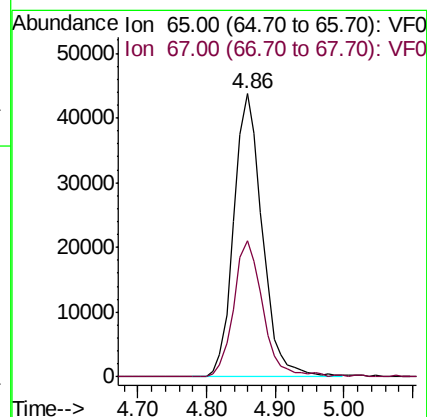
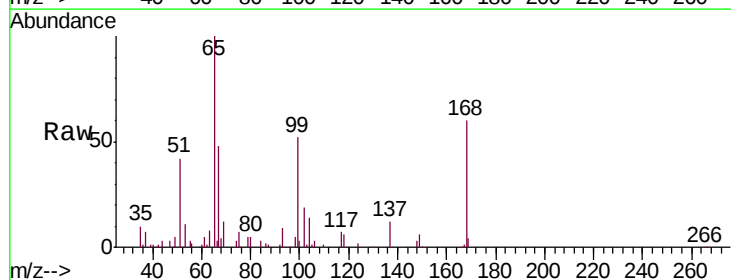
Acq: 10 Jan 2019 3:40

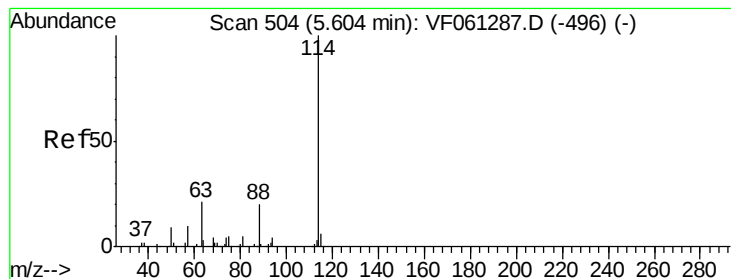
Tgt Ion: 65 Resp: 126169

Ion Ratio Lower Upper

65 100

67 48.1 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.00 min

Lab File: VF061323.D

Acq: 10 Jan 2019 3:40

Instrument :

MSVOA_F

ClientSampleId :

SP-1-5

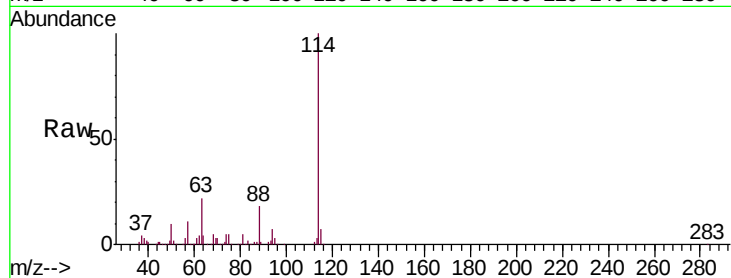
Tgt Ion:114 Resp: 361975

Ion Ratio Lower Upper

114 100

63 22.5 0.0 42.8

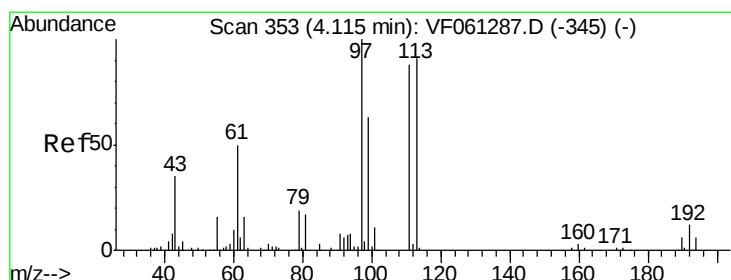
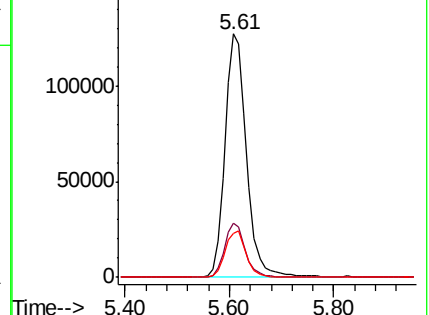
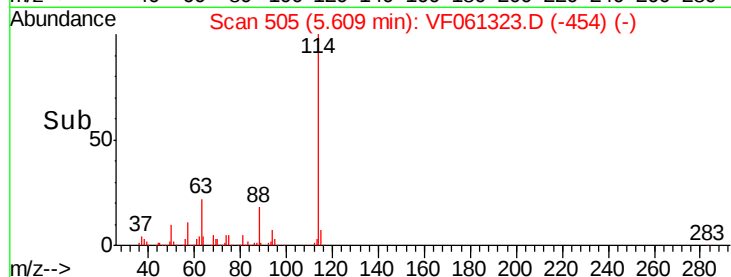
88 18.0 0.0 40.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 51.084 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.01 min

Lab File: VF061323.D

Acq: 10 Jan 2019 3:40

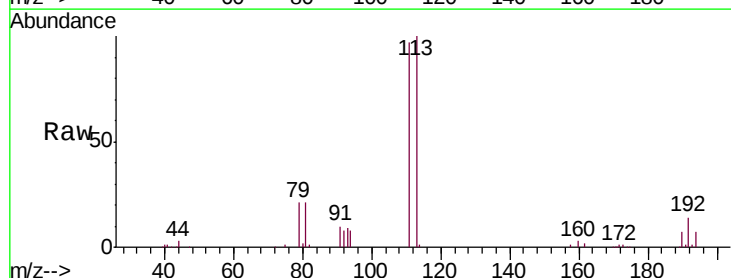
Tgt Ion:113 Resp: 141487

Ion Ratio Lower Upper

113 100

111 97.0 78.0 117.0

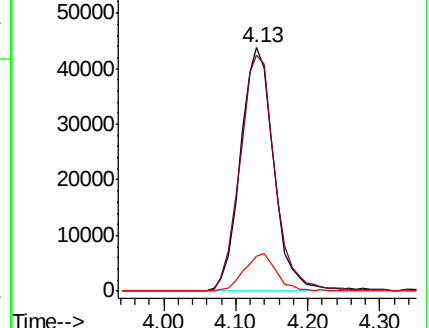
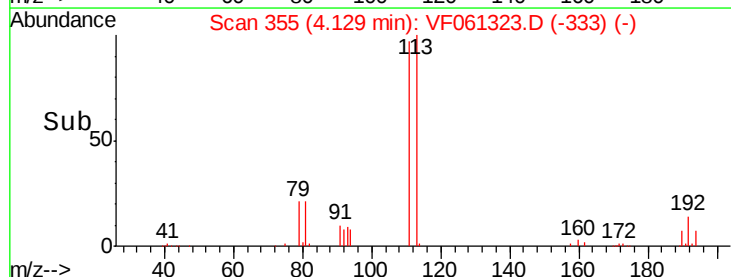
192 14.4 10.6 16.0

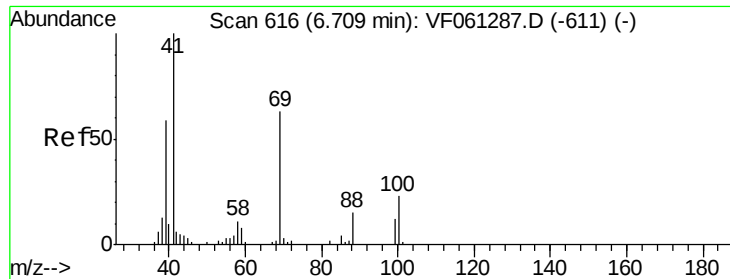


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

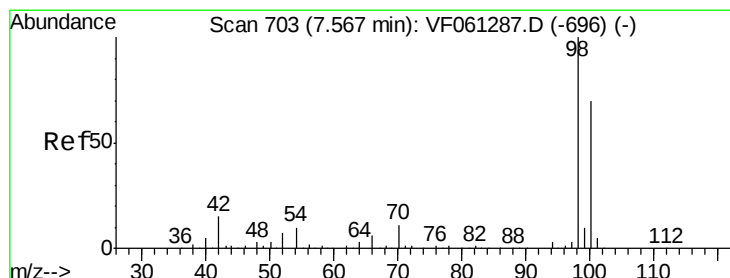
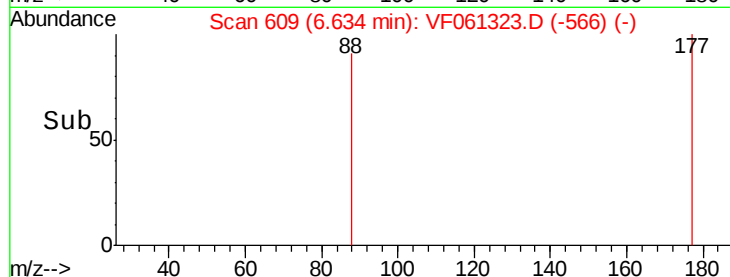
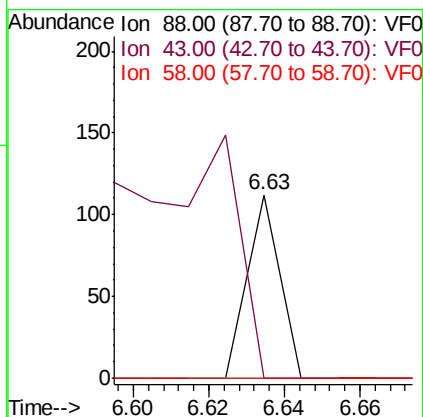
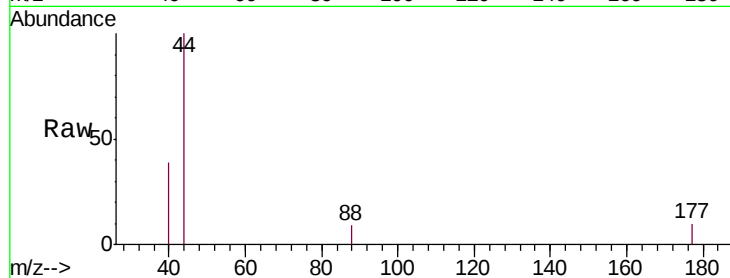




#49
1,4-Dioxane
Concen: 7.929 ug/l
RT: 6.63 min Scan# 609
Delta R.T. -0.07 min
Lab File: VF061323.D
Acq: 10 Jan 2019 3:40

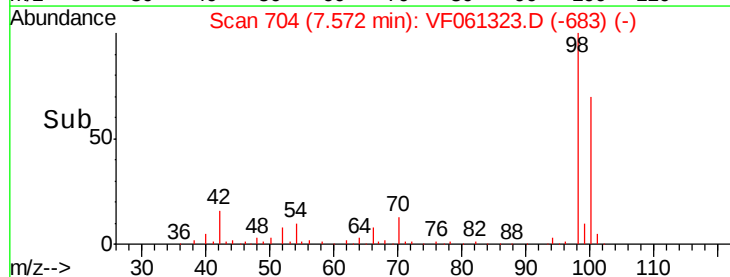
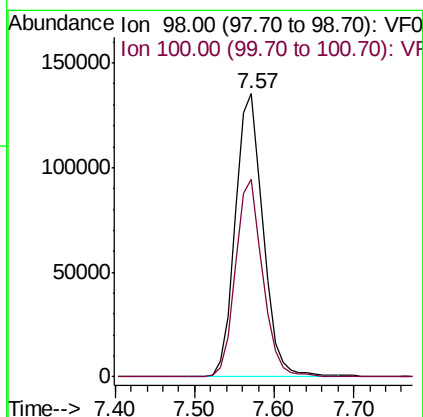
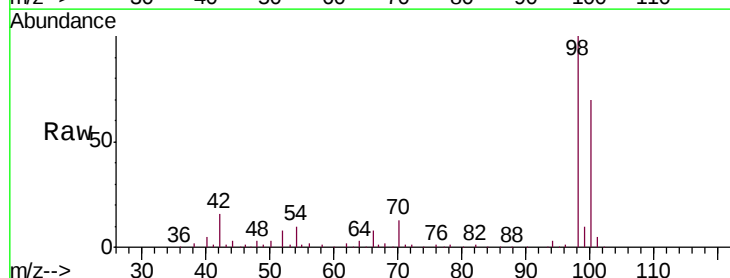
Instrument :
MSVOA_F
ClientSampleId :
SP-1-5

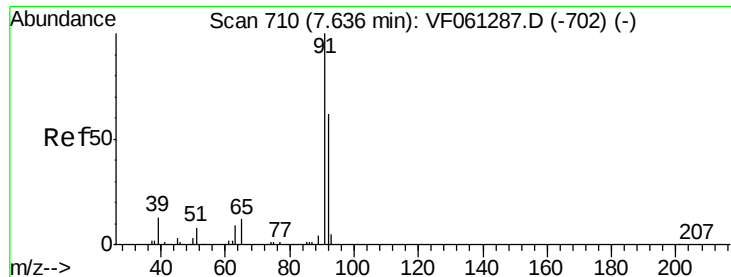
Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 0.0 38.5 57.7#
58 0.0 57.0 85.4#



#50
Toluene-d8
Concen: 40.017 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.00 min
Lab File: VF061323.D
Acq: 10 Jan 2019 3:40

Tgt Ion: 98 Resp: 327990
Ion Ratio Lower Upper
98 100
100 69.8 55.6 83.4





#52

Toluene

Concen: 3.868 ug/l

RT: 7.64 min Scan# 711

Delta R.T. 0.00 min

Lab File: VF061323.D

Acq: 10 Jan 2019 3:40

Instrument :

MSVOA_F

ClientSampleId :

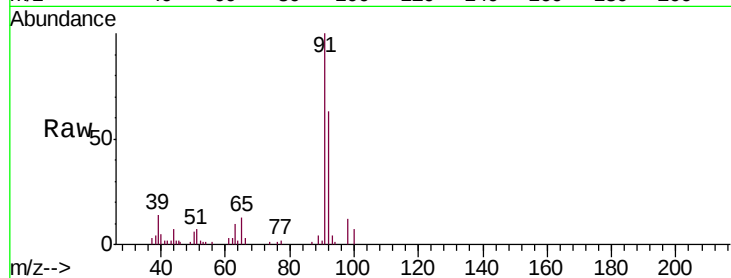
SP-1-5

Tgt Ion: 92 Resp: 24535

Ion Ratio Lower Upper

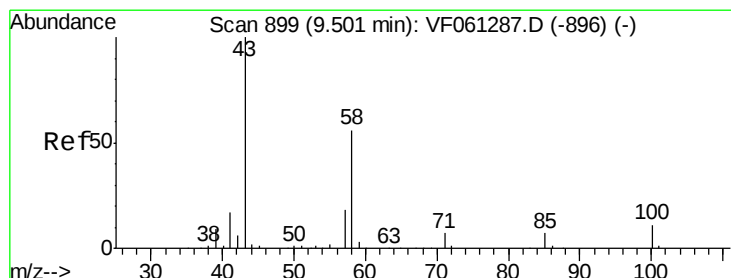
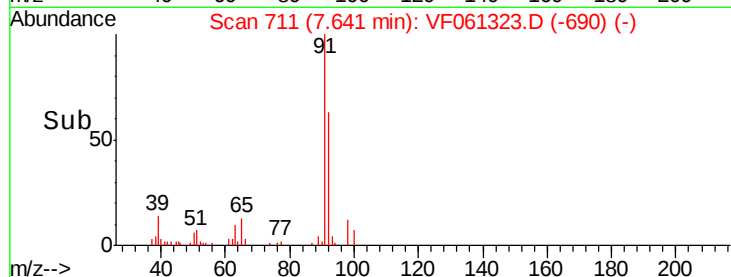
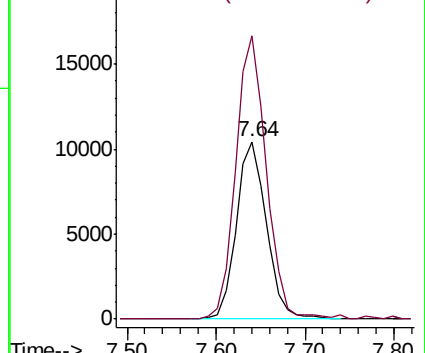
92 100

91 159.6 129.2 193.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#59

2-Hexanone

Concen: 1.233 ug/l

RT: 9.52 min Scan# 902

Delta R.T. 0.02 min

Lab File: VF061323.D

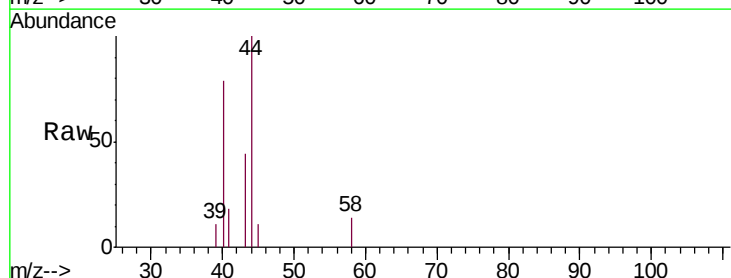
Acq: 10 Jan 2019 3:40

Tgt Ion: 43 Resp: 1340

Ion Ratio Lower Upper

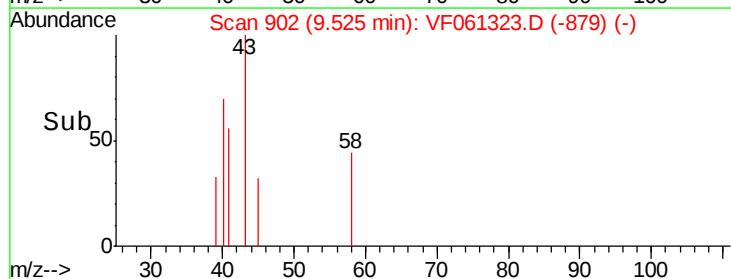
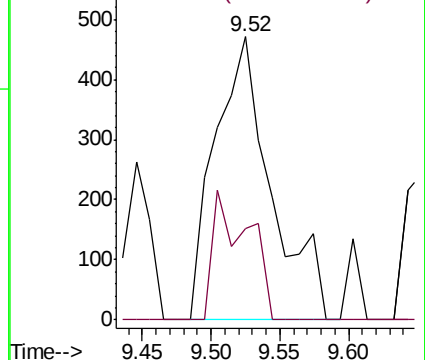
43 100

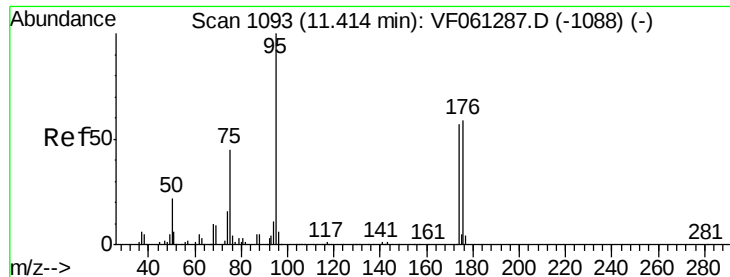
58 32.5 25.6 76.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 42.318 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF061323.D

Acq: 10 Jan 2019 3:40

Instrument :

MSVOA_F

ClientSampleId :

SP-1-5

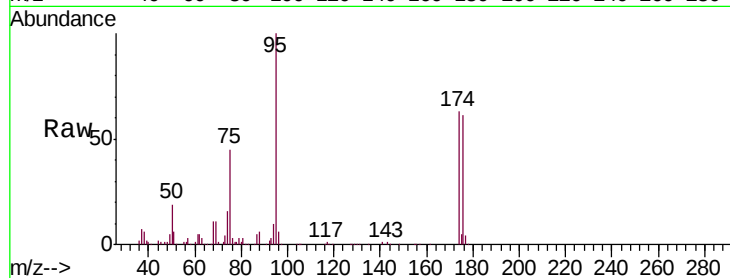
Tgt Ion: 95 Resp: 151456

Ion Ratio Lower Upper

95 100

174 62.8 0.0 114.2

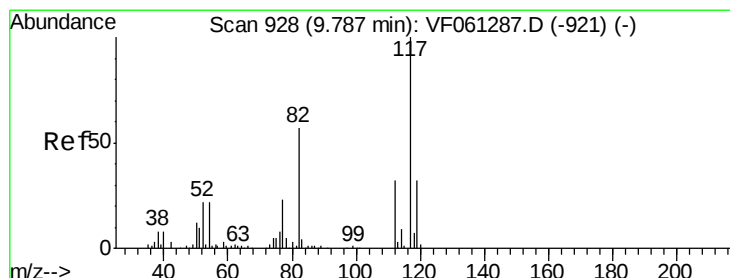
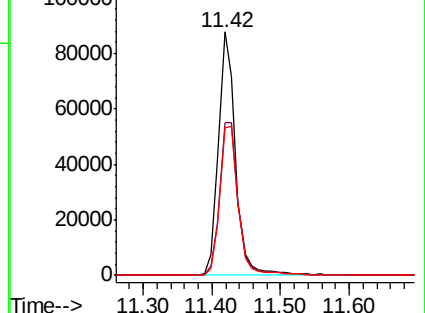
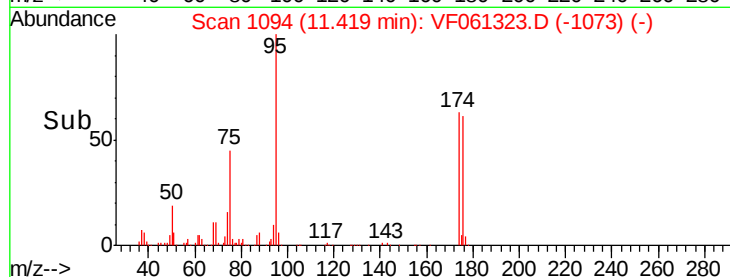
176 60.6 0.0 117.8



Abundance Ion 95.00 (94.70 to 95.70): VF061323.D (-1073) (-)

Ion 174.00 (173.70 to 174.70): VF061323.D (-1073) (-)

Ion 176.00 (175.70 to 176.70): VF061323.D (-1073) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.79 min Scan# 929

Delta R.T. 0.00 min

Lab File: VF061323.D

Acq: 10 Jan 2019 3:40

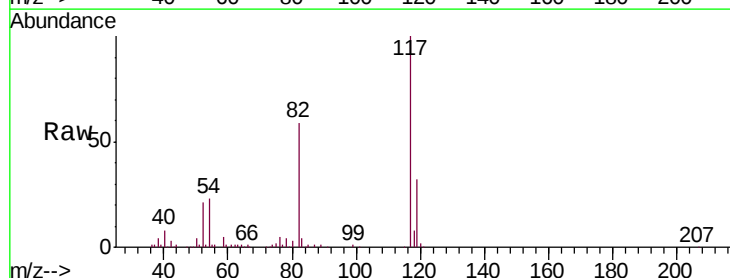
Tgt Ion: 117 Resp: 303612

Ion Ratio Lower Upper

117 100

82 58.6 45.3 67.9

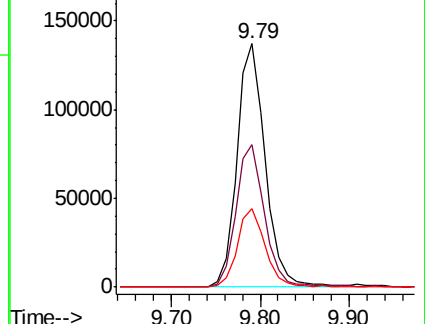
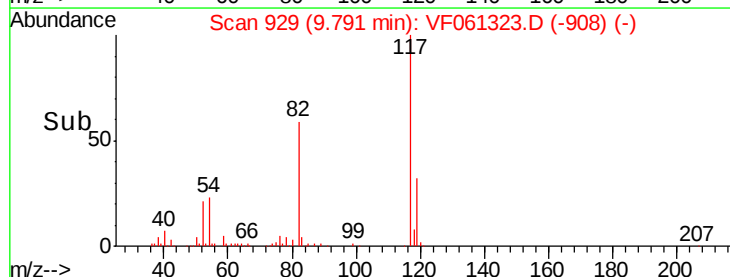
119 32.2 25.4 38.0

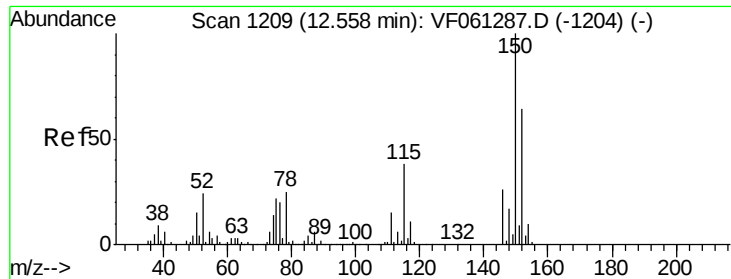


Abundance Ion 117.00 (116.70 to 117.70): VF061323.D (-908) (-)

Ion 82.00 (81.70 to 82.70): VF061323.D (-908) (-)

Ion 119.00 (118.70 to 119.70): VF061323.D (-908) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VF061323.D

Acq: 10 Jan 2019 3:40

Instrument :

MSVOA_F

ClientSampleId :

SP-1-5

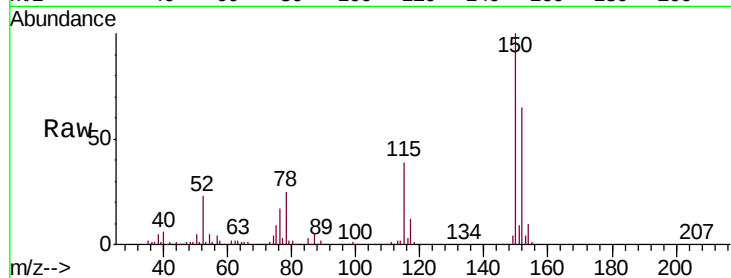
Tgt Ion:152 Resp: 156715

Ion Ratio Lower Upper

152 100

115 60.8 29.6 88.9

150 155.0 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

