

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110818\
 Data File : VF060661.D
 Acq On : 8 Nov 2018 20:40
 Operator : VA/AP
 Sample : J5838-11RE
 Misc : 6.34g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 09 12:35:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	210642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	374001	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	338737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	161343	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	102760	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
35) Dibromofluoromethane	4.11	113	125837	43.55	ug/l	0.00
Spiked Amount			Recovery	=	87.10%	
50) Toluene-d8	7.55	98	273877	32.00	ug/l	0.00
Spiked Amount			Recovery	=	64.00%	
62) 4-Bromofluorobenzene	11.41	95	141089	37.68	ug/l	0.00
Spiked Amount			Recovery	=	75.36%	

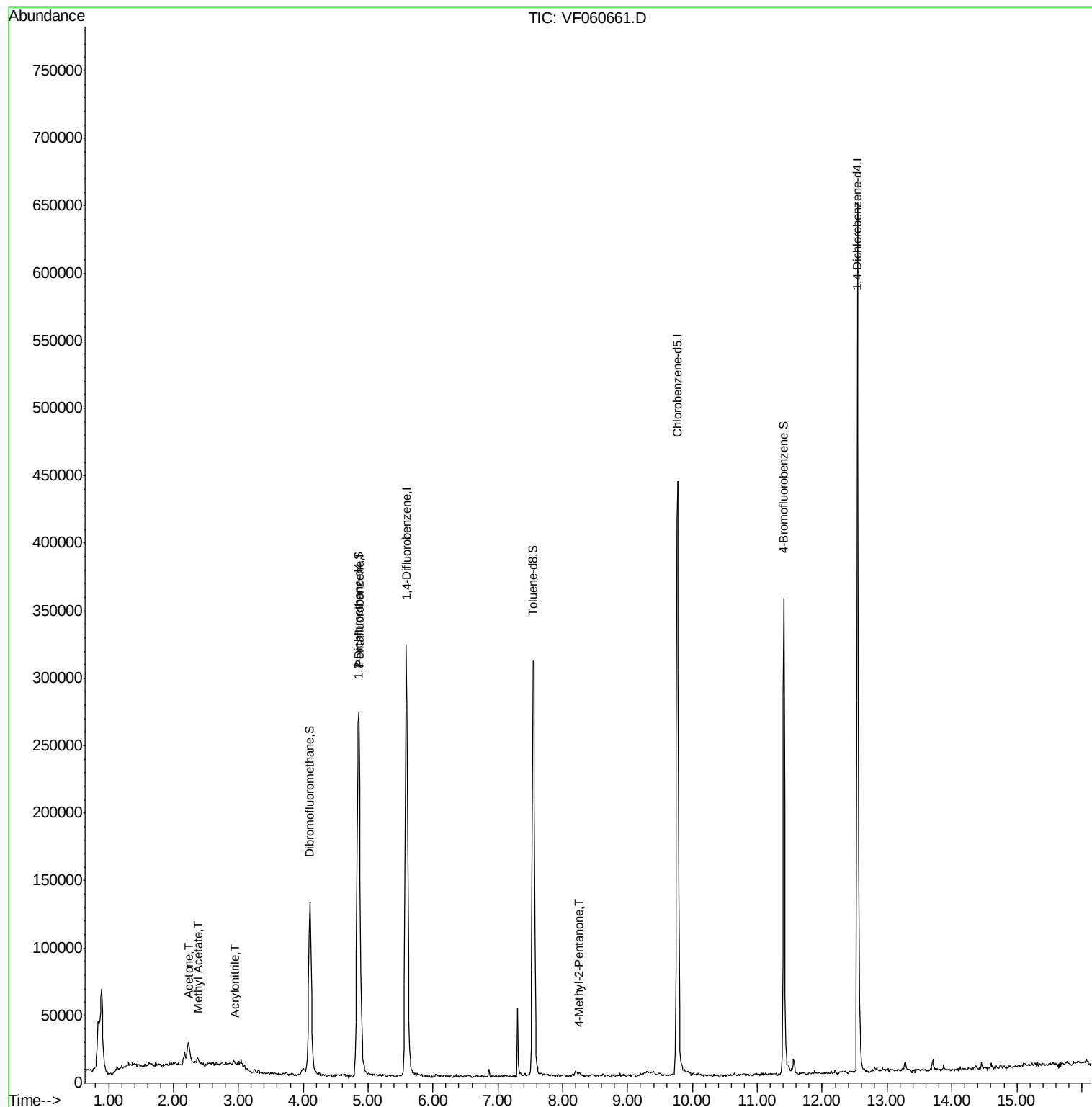
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.94	85	341	Below Cal	#	41
6) Chloroethane	1.40	64	65	Below Cal	#	1
11) Tert butyl alcohol	2.55	59	521	Below Cal	#	1
13) Acrolein	2.08	56	239	Below Cal		82
15) Acrylonitrile	2.95	53	372	1.467	ug/l #	21
16) Acetone	2.22	43	15992	31.888	ug/l #	79
18) Methyl Acetate	2.37	43	3135	4.465	ug/l #	64
20) Methylene Chloride	2.22	84	6801	Below Cal	#	77
25) 2-Butanone	4.32	43	581	Below Cal	#	56
29) Tetrahydrofuran	4.07	42	1009	Below Cal	#	72
51) 4-Methyl-2-Pentanone	8.25	43	2184	1.299	ug/l #	71
58) 2-Chloroethyl Vinyl ether	7.55	63	203	Below Cal		100
59) 2-Hexanone	9.49	43	2531	Below Cal		97
74) N-amyl acetate	11.37	43	891	Below Cal	#	74
89) n-Butylbenzene	12.85	91	710	Below Cal	#	56

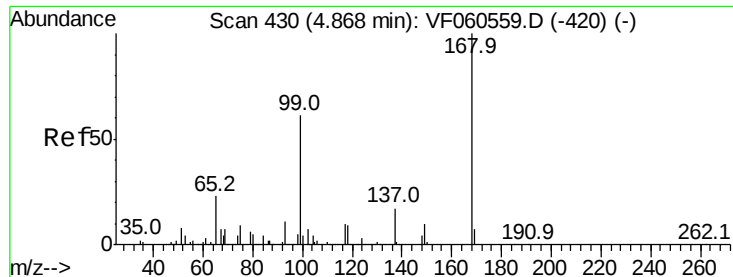
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF060661.D

Acq: 8 Nov 2018 20:40

Instrument :

MSVOA_F

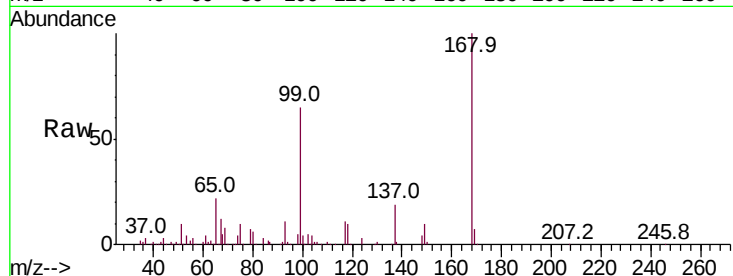
ClientSampled :

Tot Ion:168 Resp: 210642

Ion Ratio Lower Upper

168 100

99 65.3 48.6 72.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

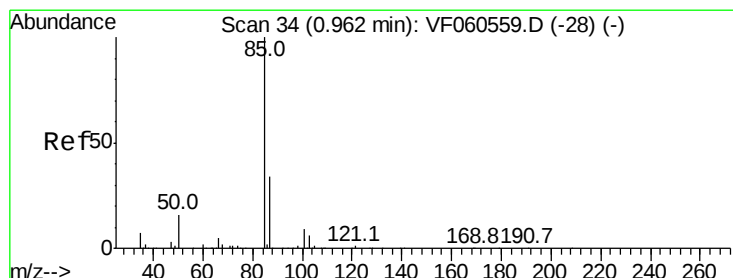
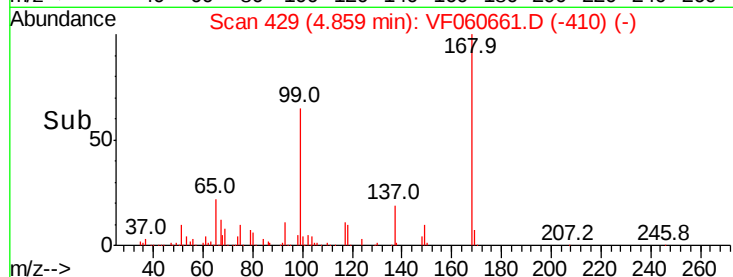
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.94 min Scan# 32

Delta R.T. -0.02 min

Lab File: VF060661.D

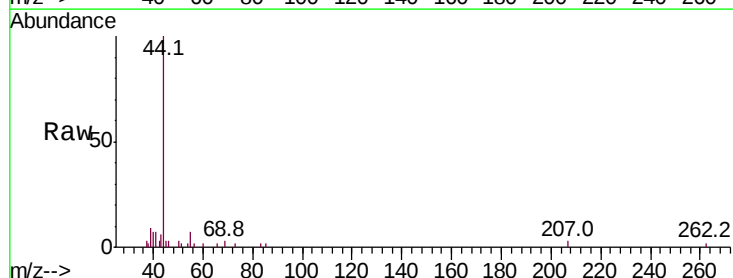
Acq: 8 Nov 2018 20:40

Tgt Ion: 85 Resp: 341

Ion Ratio Lower Upper

85 100

87 0.0 16.9 50.7#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.94

200

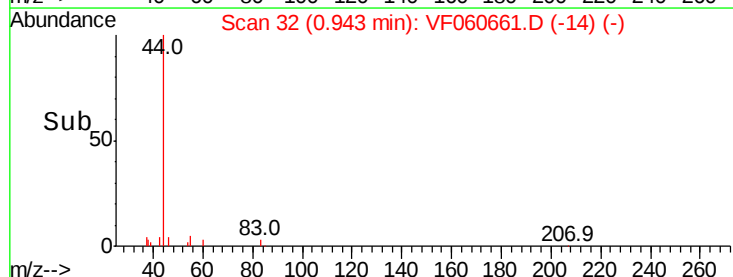
150

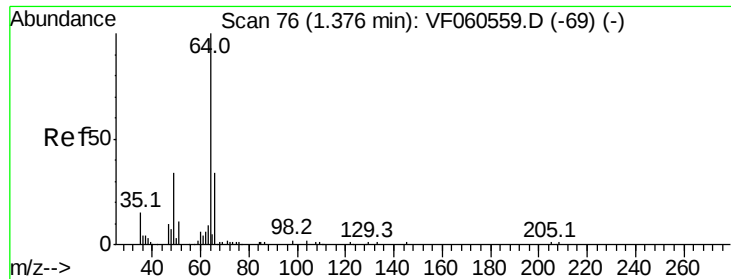
100

50

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.40 min Scan# 78

Delta R.T. 0.02 min

Lab File: VF060661.D

Acq: 8 Nov 2018 20:40

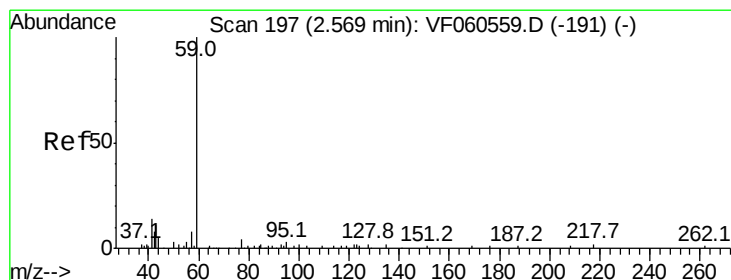
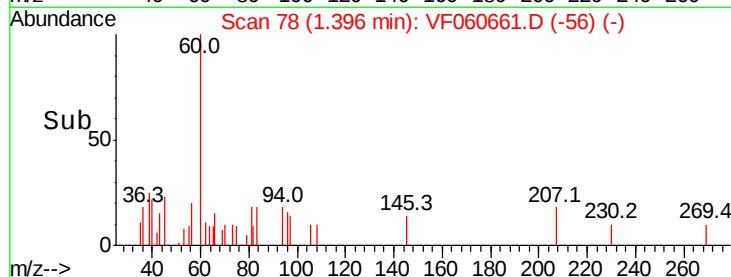
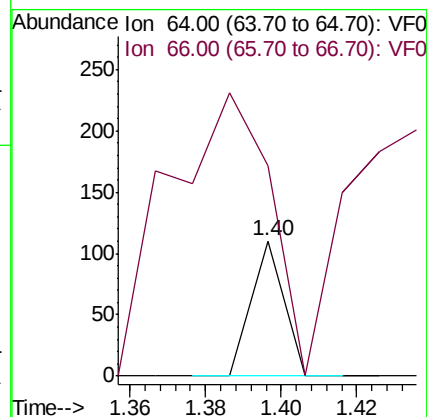
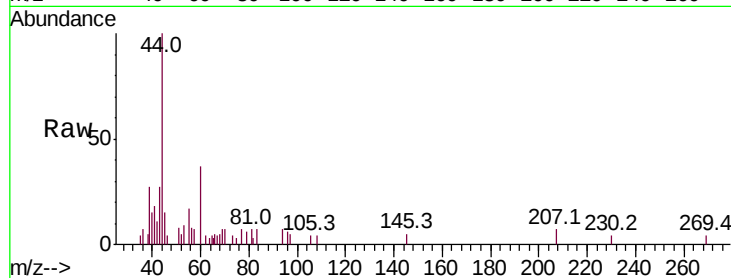
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 64 Resp: 65

Ion Ratio Lower Upper

64 100

66 156.4 27.8 41.8#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.55 min Scan# 195

Delta R.T. -0.02 min

Lab File: VF060661.D

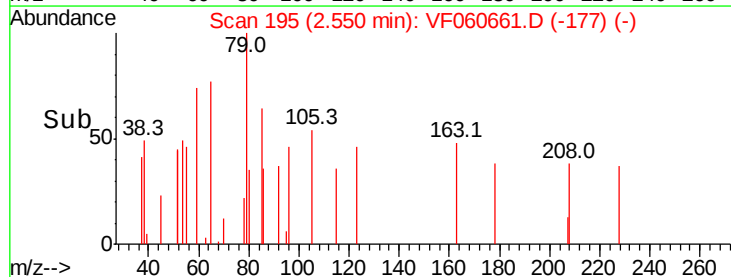
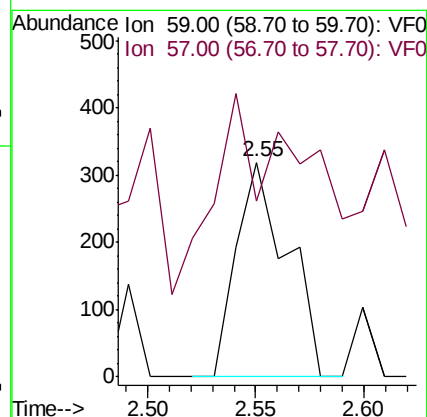
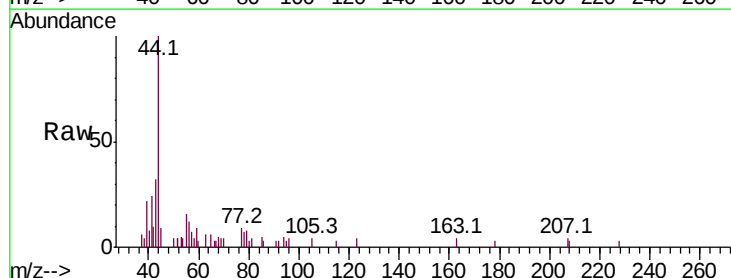
Acq: 8 Nov 2018 20:40

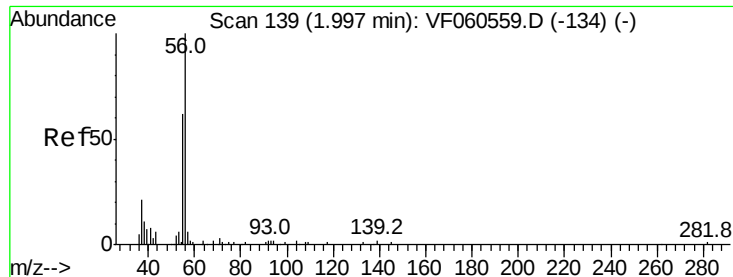
Tgt Ion: 59 Resp: 521

Ion Ratio Lower Upper

59 100

57 82.1 19.0 28.4#





#13

Acrolein

Concen: Below Cal

RT: 2.08 min Scan# 147

Delta R.T. 0.08 min

Lab File: VF060661.D

Acq: 8 Nov 2018 20:40

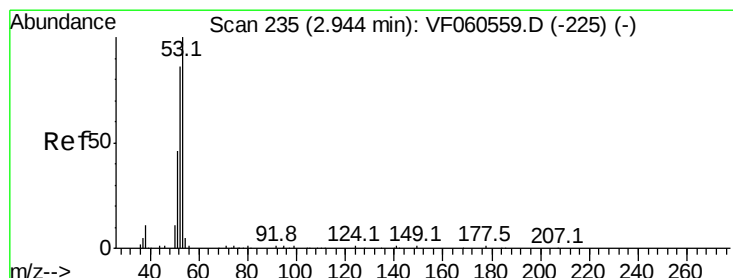
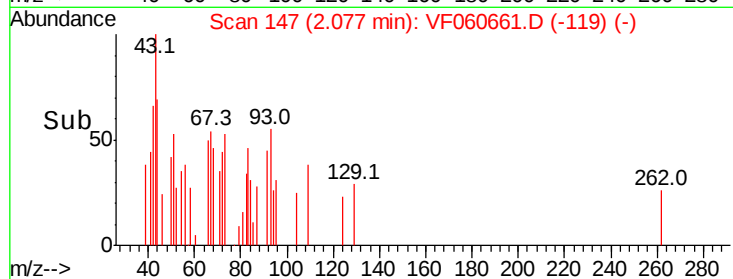
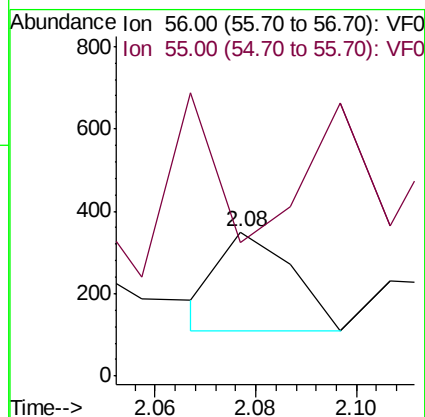
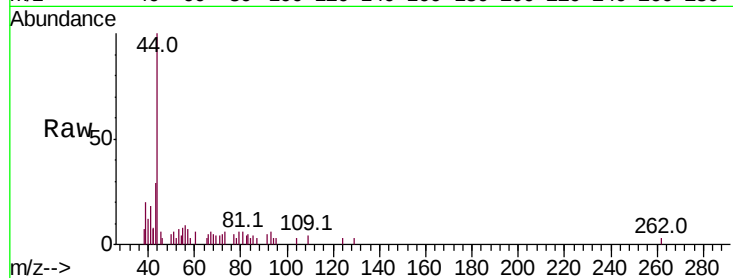
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 239

Ion Ratio Lower Upper

56 100

55 92.6 61.8 92.6



#15

Acrylonitrile

Concen: 1.467 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF060661.D

Acq: 8 Nov 2018 20:40

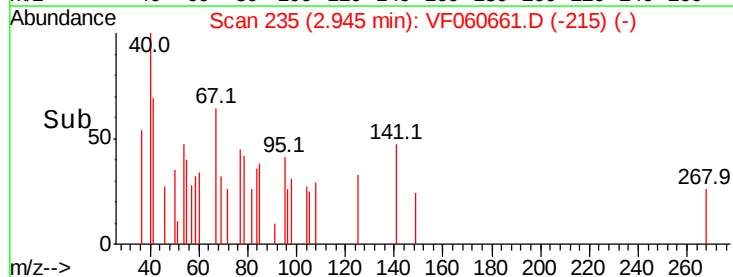
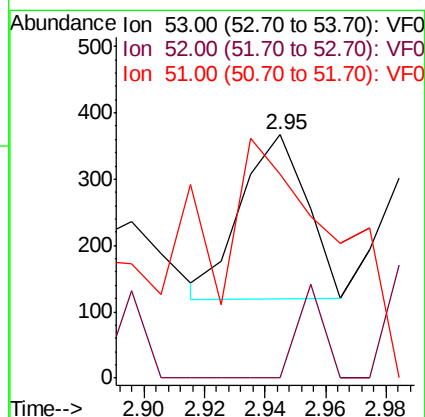
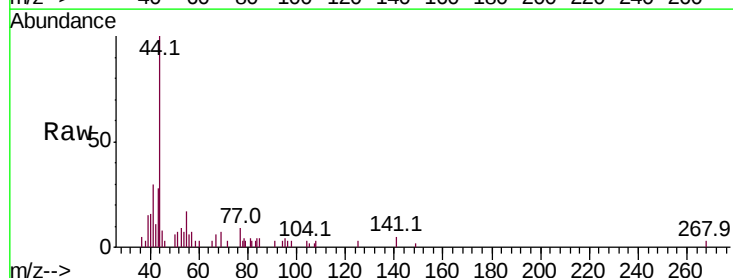
Tgt Ion: 53 Resp: 372

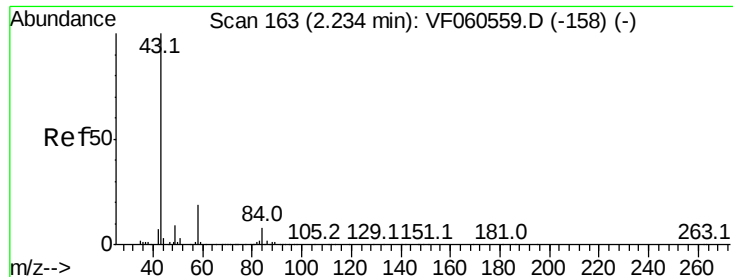
Ion Ratio Lower Upper

53 100

52 0.0 68.5 102.7#

51 83.9 38.2 57.2#

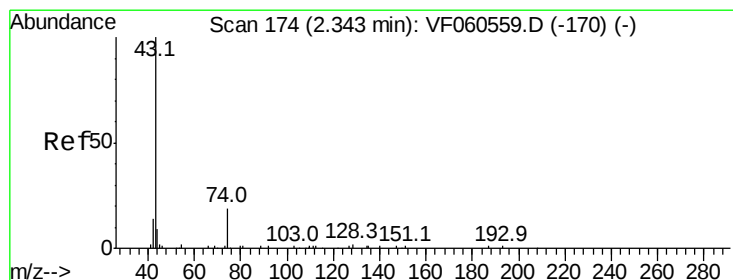
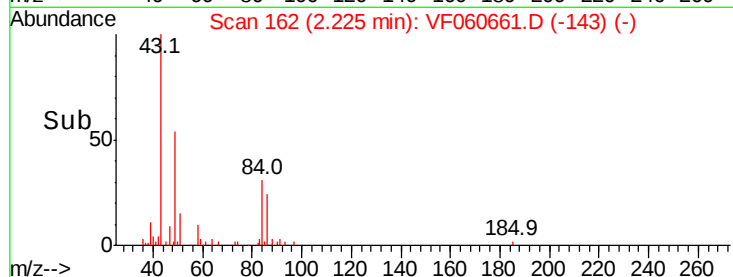
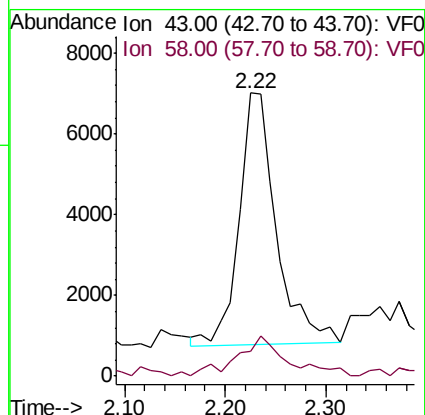
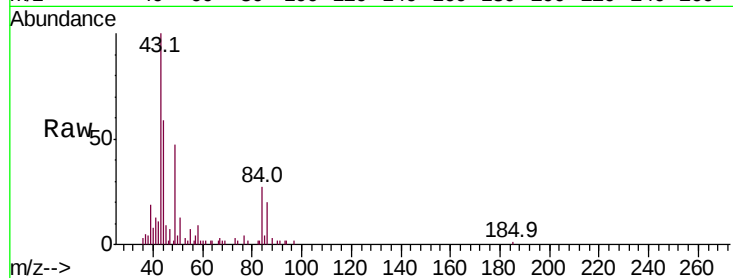




#16
Acetone
Concen: 31.888 ug/l
RT: 2.22 min Scan# 162
Delta R.T. -0.01 min
Lab File: VF060661.D
Acq: 8 Nov 2018 20:40

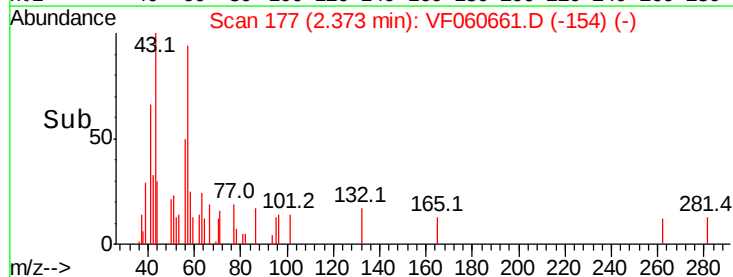
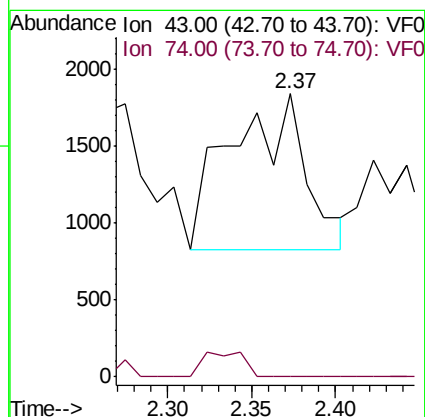
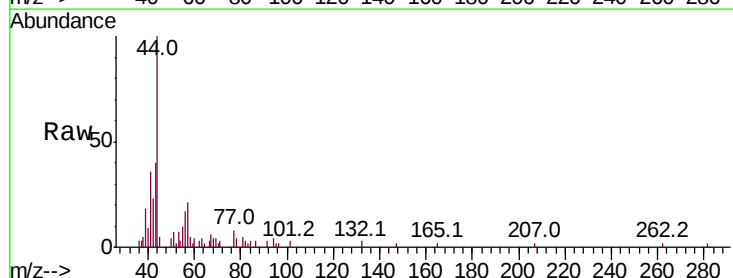
Instrument :
MSVOA_F
ClientSampleId :

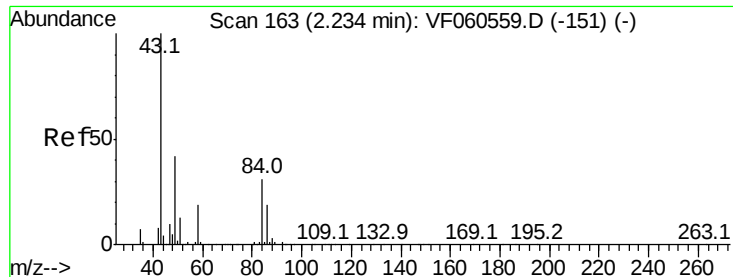
Tot Ion: 43 Resp: 15992
Ion Ratio Lower Upper
43 100
58 8.8 14.6 22.0#



#18
Methyl Acetate
Concen: 4.465 ug/l
RT: 2.37 min Scan# 177
Delta R.T. 0.03 min
Lab File: VF060661.D
Acq: 8 Nov 2018 20:40

Tgt Ion: 43 Resp: 3135
Ion Ratio Lower Upper
43 100
74 0.0 12.1 18.1#

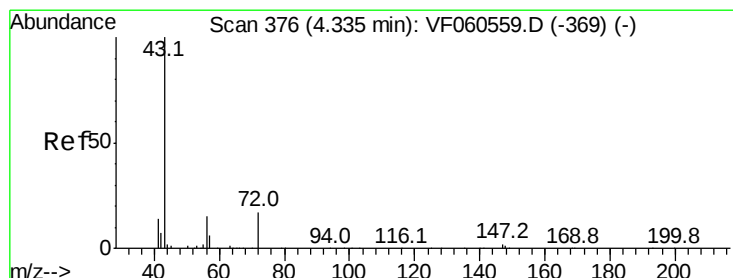
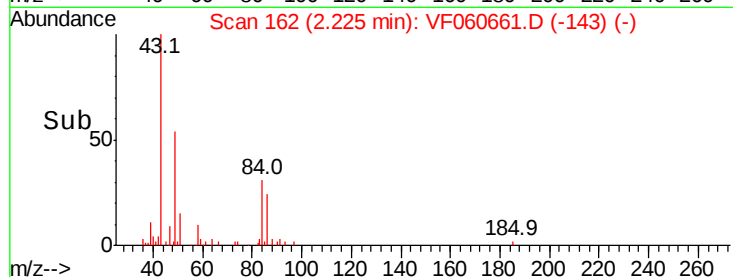
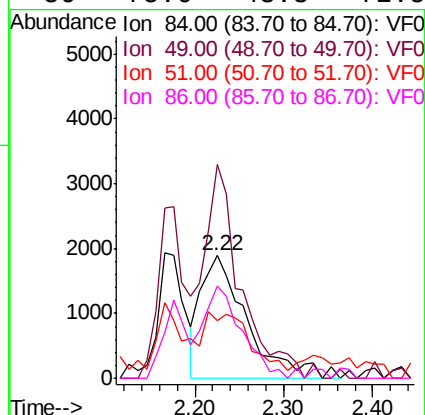
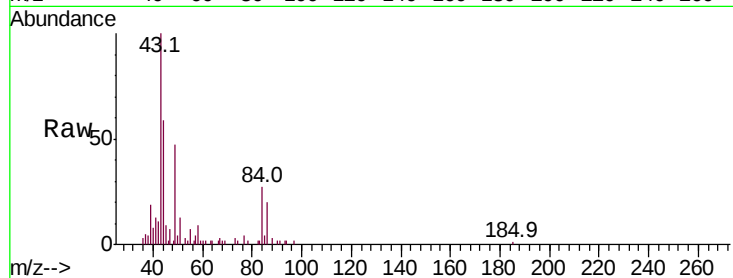




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.22 min Scan# 162
Delta R.T. -0.01 min
Lab File: VF060661.D
Acq: 8 Nov 2018 20:40

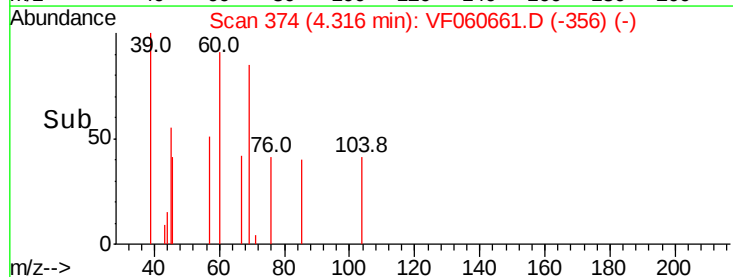
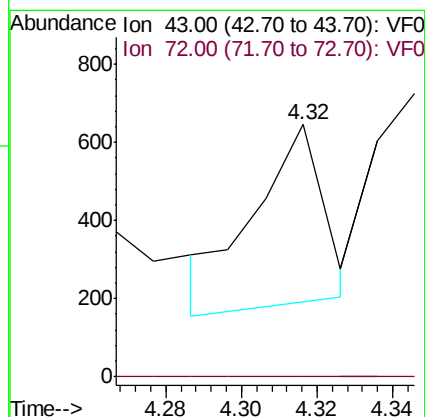
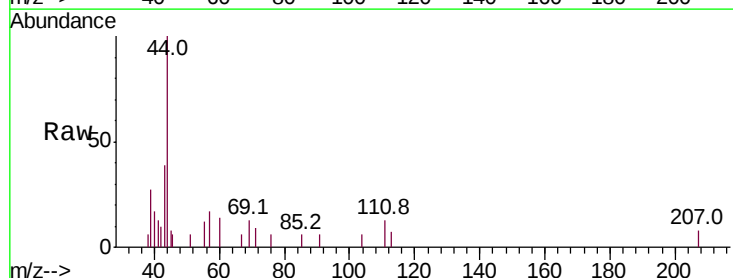
Instrument :
MSVOA_F
ClientSampleId :

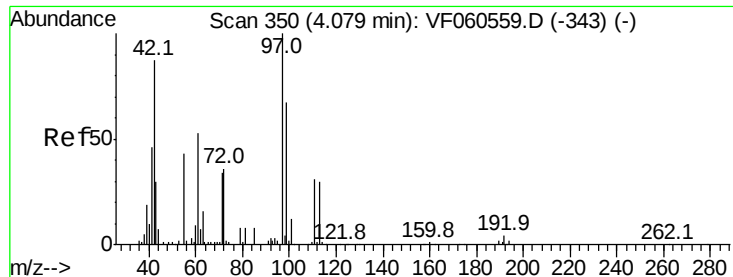
Tot Ion: 84 Resp: 6801
Ion Ratio Lower Upper
84 100
49 174.2 109.9 164.9#
51 47.3 35.8 53.8
86 75.6 48.3 72.5#



#25
2-Butanone
Concen: Below Cal
RT: 4.32 min Scan# 374
Delta R.T. -0.02 min
Lab File: VF060661.D
Acq: 8 Nov 2018 20:40

Tgt Ion: 43 Resp: 581
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.2#





#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.07 min Scan# 349

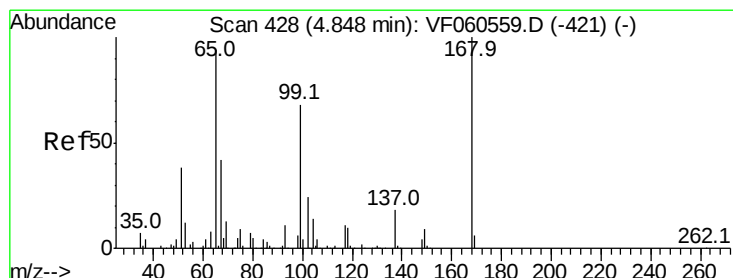
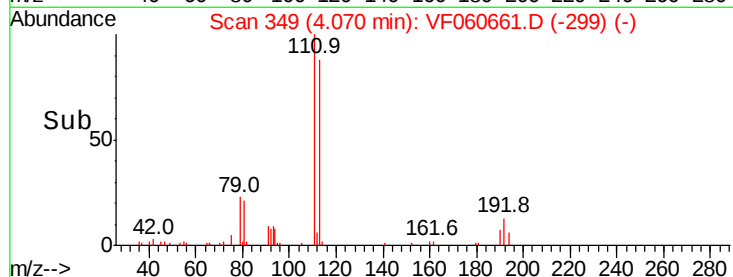
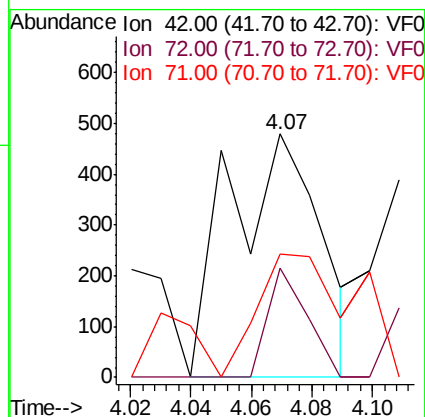
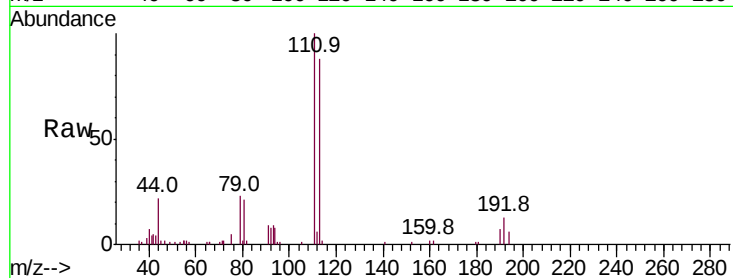
Delta R.T. -0.01 min

Lab File: VF060661.D

Acq: 8 Nov 2018 20:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	42	Resp:	1009
Ion	Ratio	Lower	Upper
42	100		
72	19.3	31.4	47.0#
71	53.7	31.8	47.6#



#33

1,2-Dichloroethane-d4

Concen: 48.283 ug/l

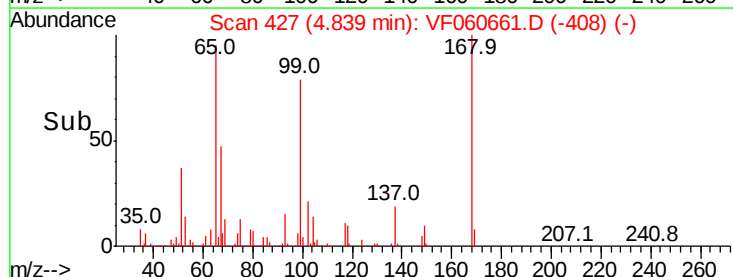
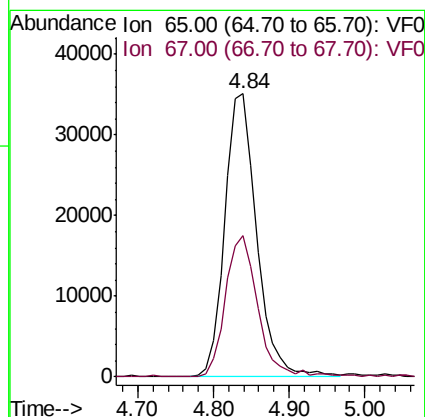
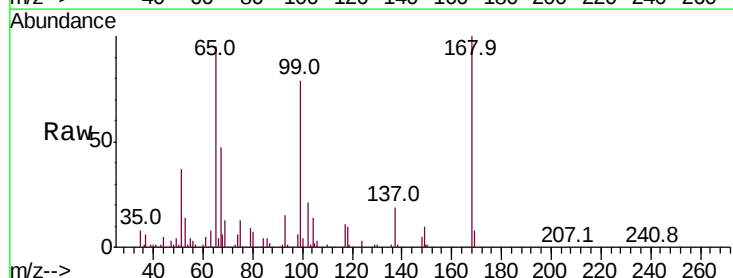
RT: 4.84 min Scan# 427

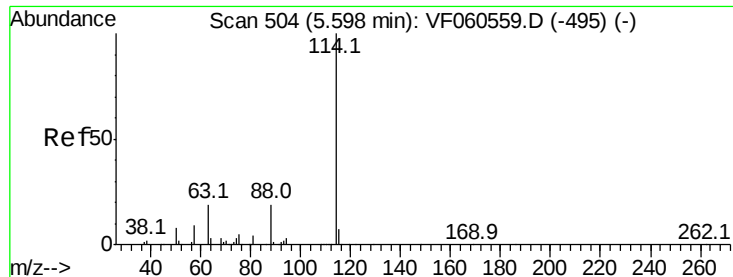
Delta R.T. -0.01 min

Lab File: VF060661.D

Acq: 8 Nov 2018 20:40

Tgt Ion:	65	Resp:	102760
Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.01 min

Lab File: VF060661.D

Acq: 8 Nov 2018 20:40

Instrument :
MSVOA_F
ClientSampleId :

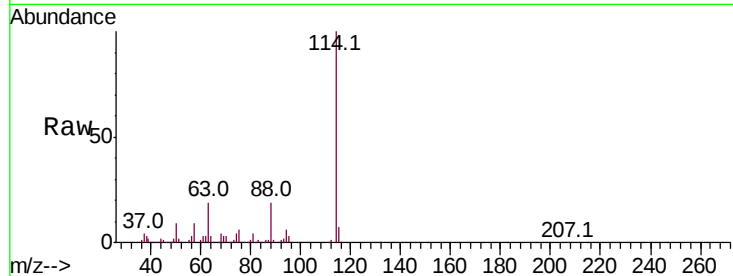
Tot Ion:114 Resp: 374001

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.0

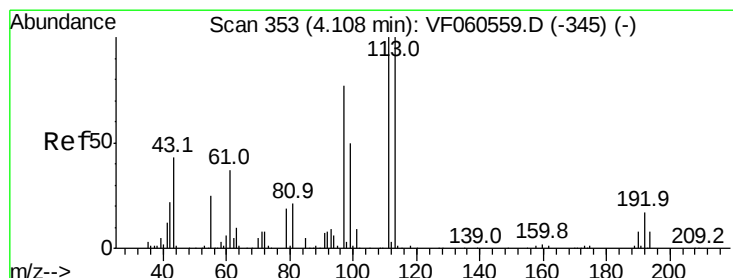
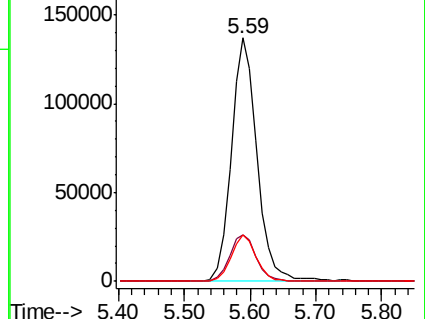
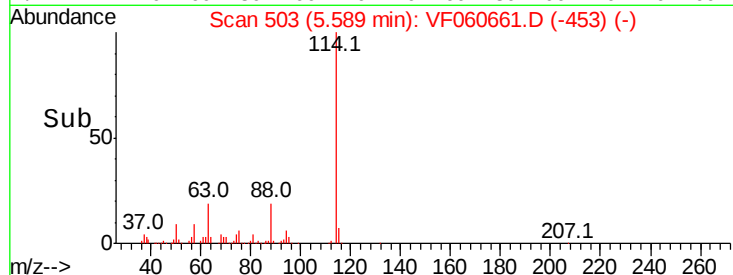
88 19.0 0.0 38.2



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: 43.549 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF060661.D

Acq: 8 Nov 2018 20:40

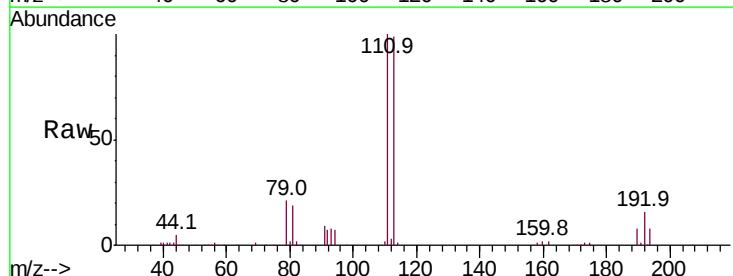
Tgt Ion:113 Resp: 125837

Ion Ratio Lower Upper

113 100

111 101.2 79.9 119.9

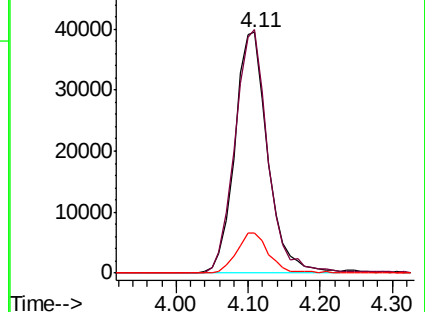
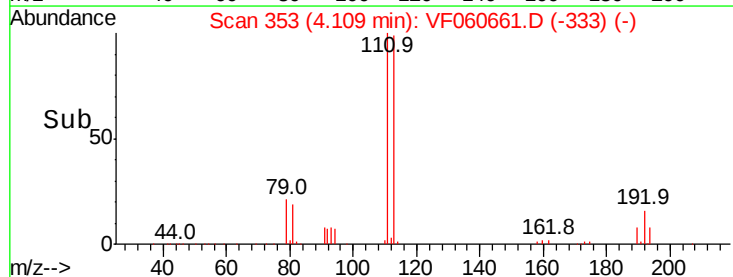
192 16.5 13.3 19.9

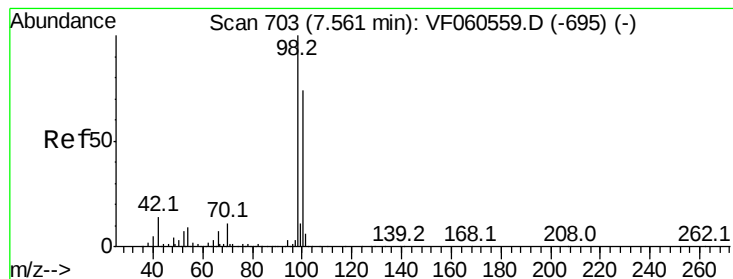


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 31.996 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF060661.D

Acq: 8 Nov 2018 20:40

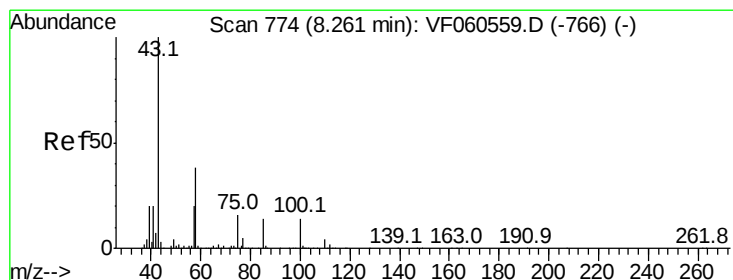
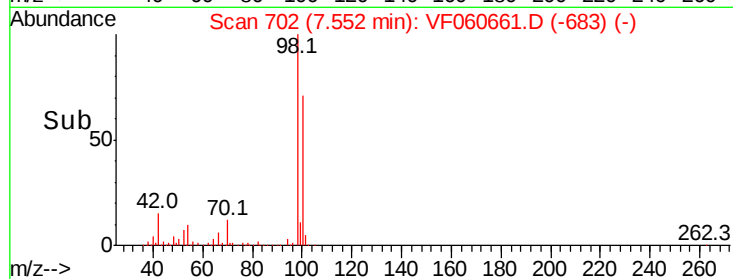
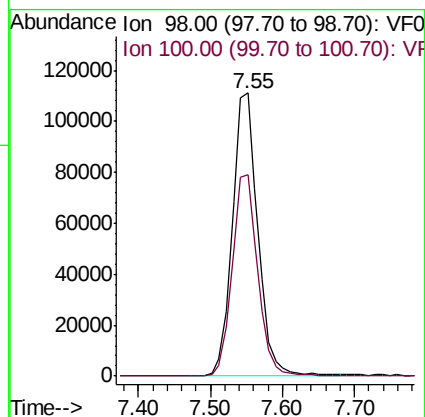
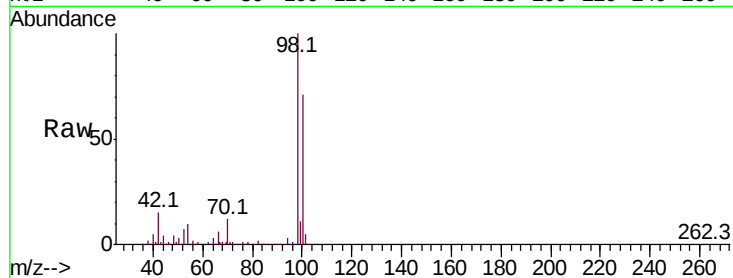
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 98 Resp: 273877

Ion Ratio Lower Upper

98 100

100 71.0 59.4 89.2



#51

4-Methyl-2-Pentanone

Concen: 1.299 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF060661.D

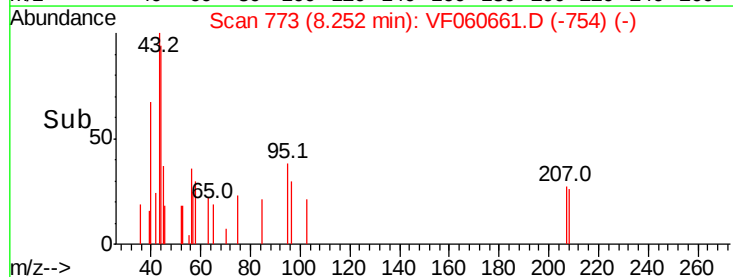
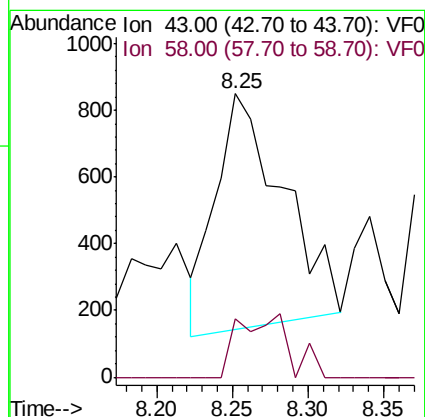
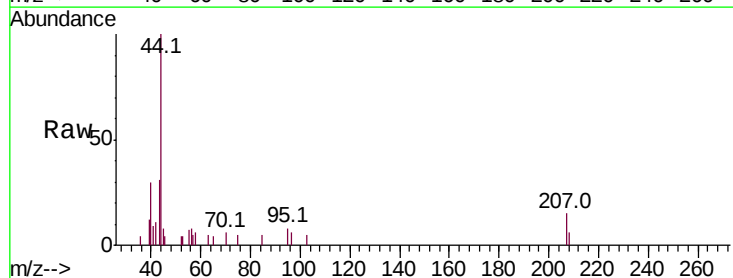
Acq: 8 Nov 2018 20:40

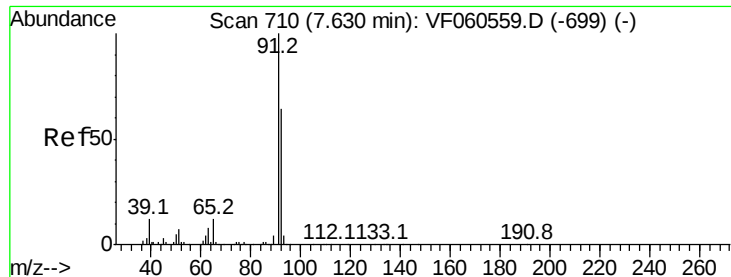
Tgt Ion: 43 Resp: 2184

Ion Ratio Lower Upper

43 100

58 20.5 30.1 45.1#





#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 7.55 min Scan# 702

Delta R.T. -0.08 min

Lab File: VF060661.D

Acq: 8 Nov 2018 20:40

Instrument :

MSVOA_F

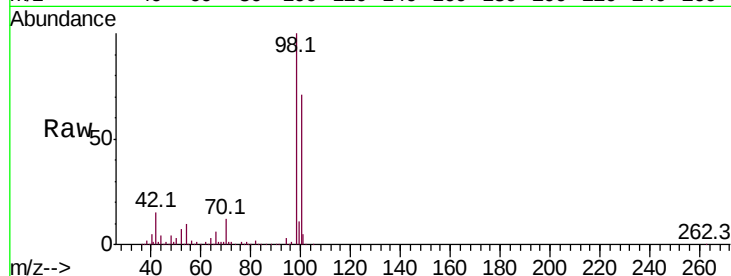
ClientSampleId :

Tot Ion: 63 Resp: 203

Ion Ratio Lower Upper

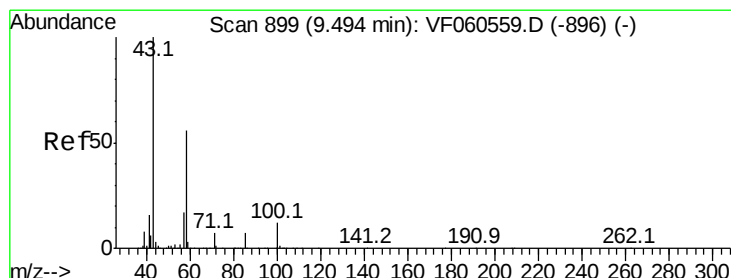
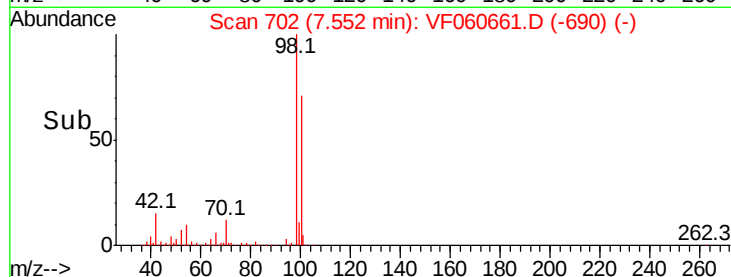
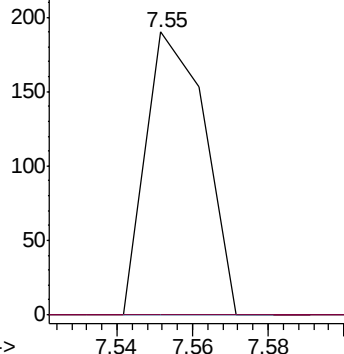
63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): VF0



#59

2-Hexanone

Concen: Below Cal

RT: 9.49 min Scan# 899

Delta R.T. 0.00 min

Lab File: VF060661.D

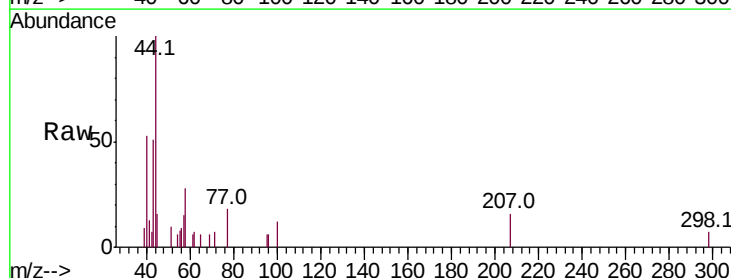
Acq: 8 Nov 2018 20:40

Tgt Ion: 43 Resp: 2531

Ion Ratio Lower Upper

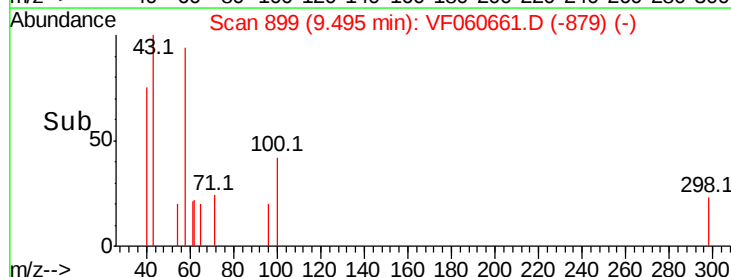
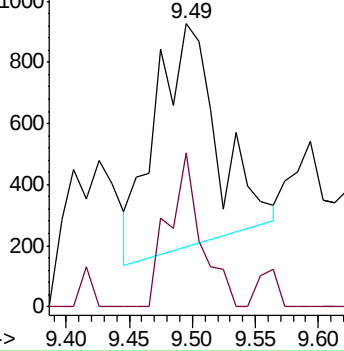
43 100

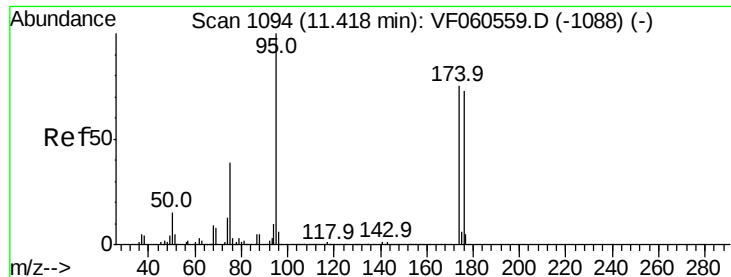
58 54.5 26.1 78.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 37.683 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF060661.D

Acq: 8 Nov 2018 20:40

Instrument :

MSVOA_F

ClientSampled :

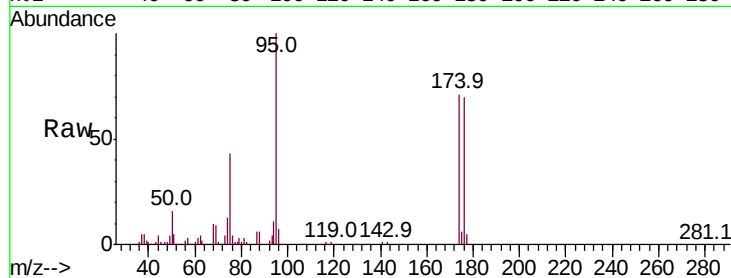
Tot Ion: 95 Resp: 141089

Ion Ratio Lower Upper

95 100

174 71.4 0.0 149.0

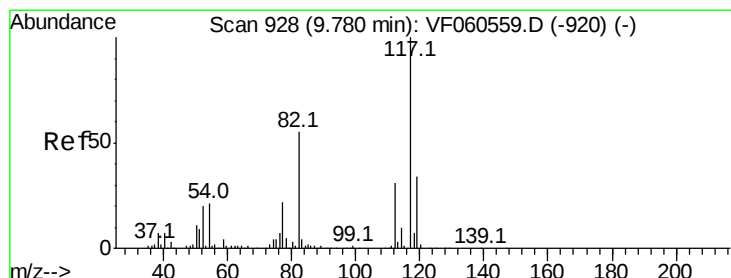
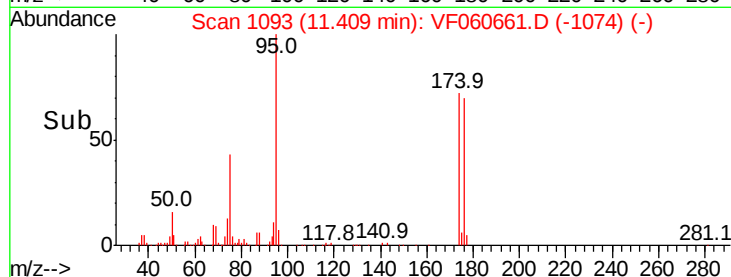
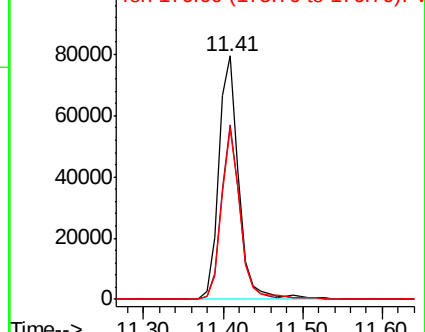
176 70.1 0.0 145.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.01 min

Lab File: VF060661.D

Acq: 8 Nov 2018 20:40

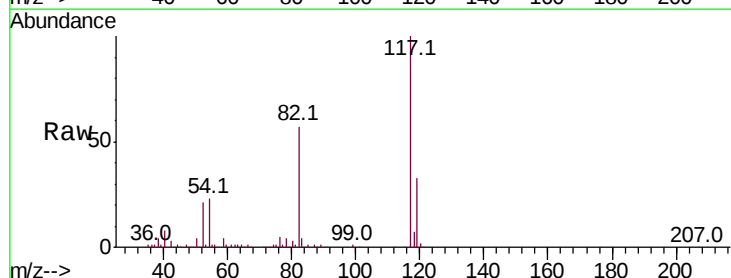
Tgt Ion: 117 Resp: 338737

Ion Ratio Lower Upper

117 100

82 57.0 43.9 65.9

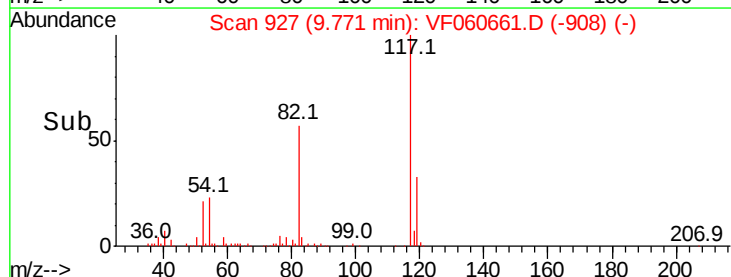
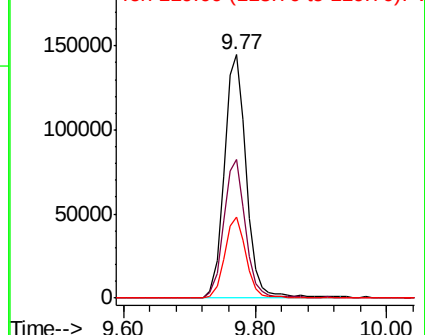
119 33.4 27.4 41.0

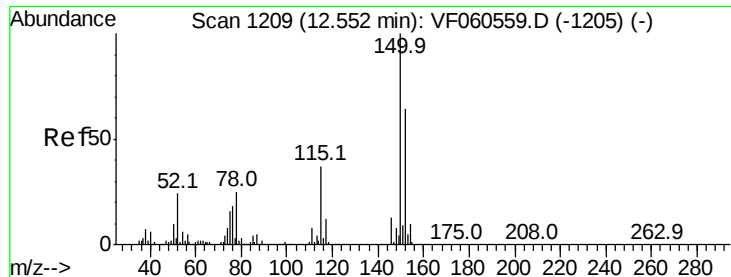


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



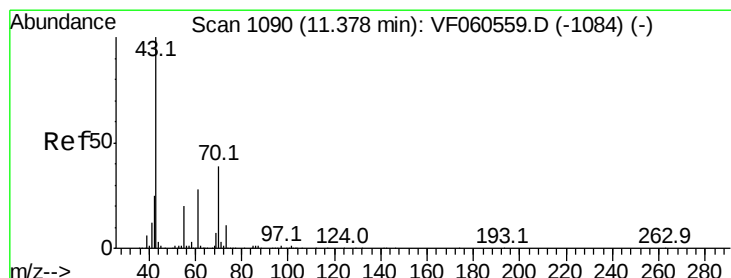
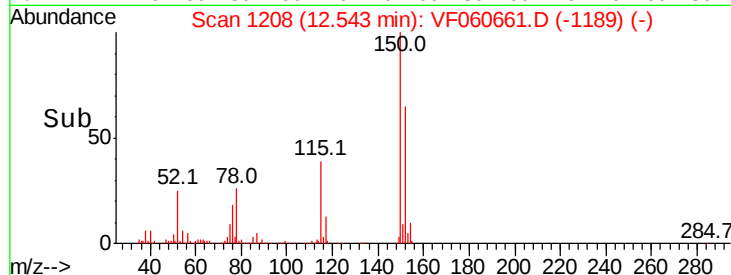
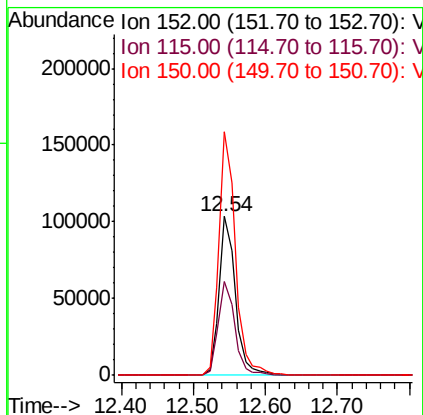
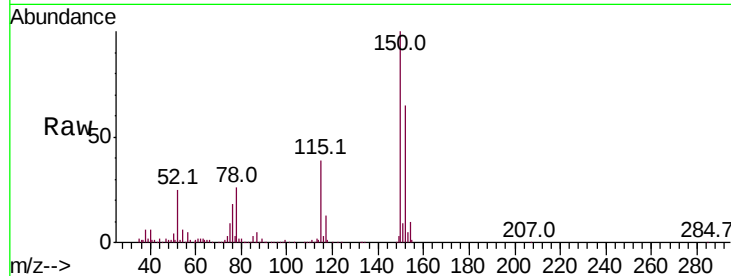


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF060661.D
Acq: 8 Nov 2018 20:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:152 Resp: 161343
Ion Ratio Lower Upper
152 100
115 59.1 29.6 88.8
150 153.3 0.0 315.6



#74

N-ethyl acetate
Concen: Below Cal
RT: 11.37 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VF060661.D
Acq: 8 Nov 2018 20:40

Tgt Ion: 43 Resp: 891
Ion Ratio Lower Upper
43 100
70 39.3 30.9 46.3
55 38.7 16.6 24.8#
61 0.0 22.0 33.0#

