

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
 Data File : VF060569.D
 Acq On : 5 Nov 2018 12:55
 Operator : VA/AP
 Sample : VF1105SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 05 13:30:30 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	4.85	168	289937	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	491609	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	458789	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	242143	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	150799	51.48	ug/l	-0.02
Spiked Amount			Recovery	=	102.96%	
35) Dibromofluoromethane	4.09	113	208832	54.98	ug/l	-0.02
Spiked Amount			Recovery	=	109.96%	
50) Toluene-d8	7.53	98	565244	50.24	ug/l	-0.03
Spiked Amount			Recovery	=	100.48%	
62) 4-Bromofluorobenzene	11.40	95	269409	54.74	ug/l	-0.02
Spiked Amount			Recovery	=	109.48%	

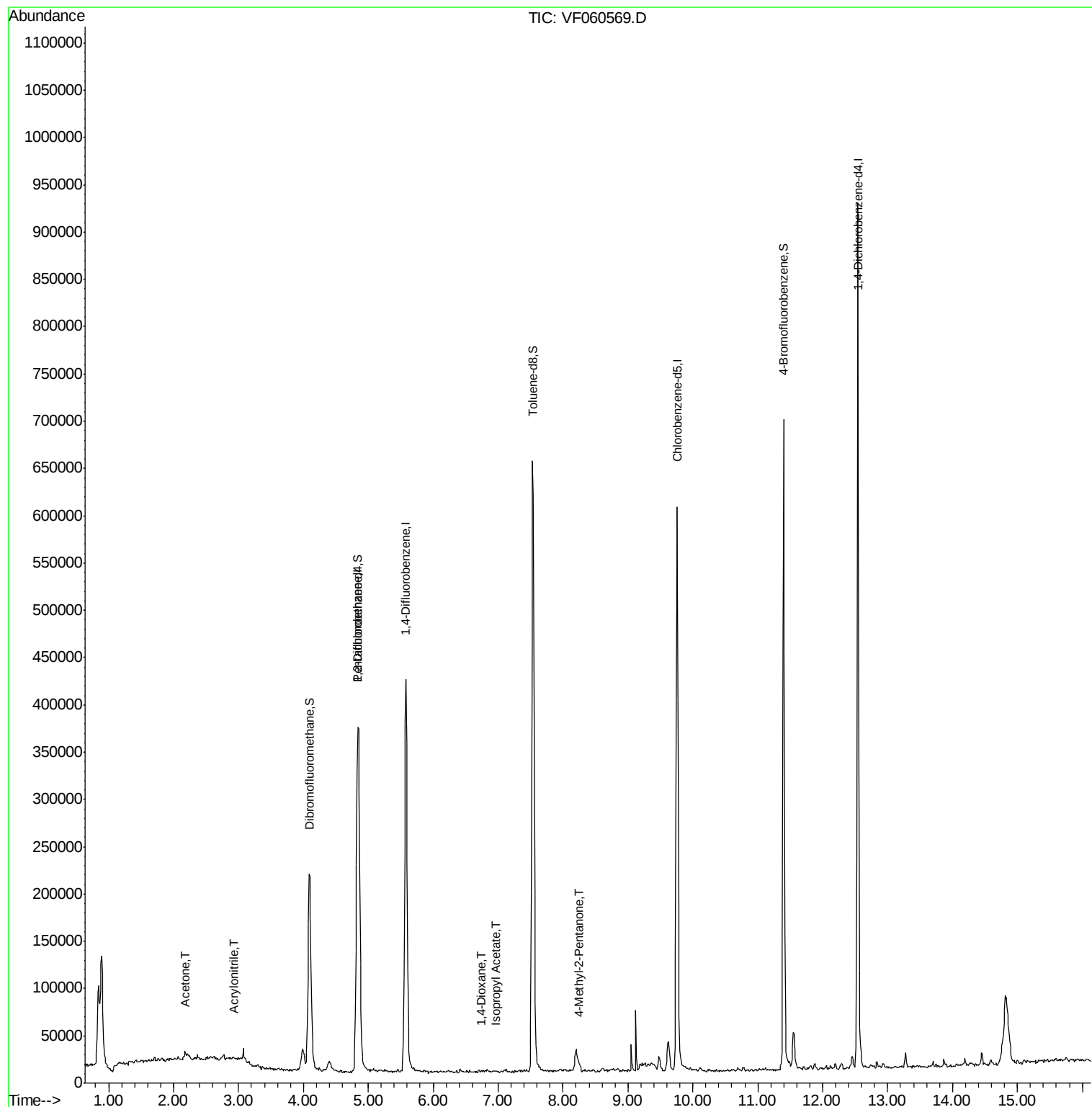
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	1474	Below Cal	#	41
6) Chloroethane	1.37	64	217	Below Cal	#	53
11) Tert butyl alcohol	2.54	59	508	Below Cal	#	1
13) Acrolein	1.97	56	789	Below Cal	#	67
15) Acrylonitrile	2.93	53	873	2.501	ug/l #	60
16) Acetone	2.17	43	1313	1.902	ug/l	99
20) Methylene Chloride	2.18	84	7640	Below Cal	#	81
25) 2-Butanone	4.31	43	2635	Below Cal	#	77
29) Tetrahydrofuran	4.07	42	1724	Below Cal	#	72
43) Isopropyl Acetate	6.95	43	3315	1.009	ug/l #	62
49) 1,4-Dioxane	6.74	88	78	3.610	ug/l #	1
51) 4-Methyl-2-Pentanone	8.25	43	8719	3.945	ug/l #	79
58) 2-Chloroethyl Vinyl ether	7.53	63	872	Below Cal		100
59) 2-Hexanone	9.48	43	13319	Below Cal		92
74) N-amyl acetate	11.36	43	6205	Below Cal	#	78
89) n-Butylbenzene	12.84	91	3601	Below Cal		83

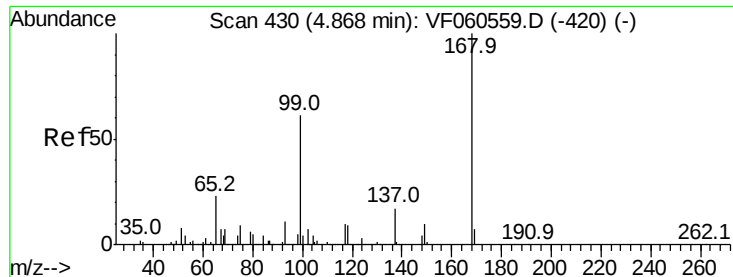
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110518\
Data File : VF060569.D
Acq On : 5 Nov 2018 12:55
Operator : VA/AP
Sample : VF1105SBL01
Misc : 5.00µg/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

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MSVOA_F
ClientSampleId :

Quant Time: Nov 05 13:30:30 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
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: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF060569.D

Acq: 5 Nov 2018 12:55

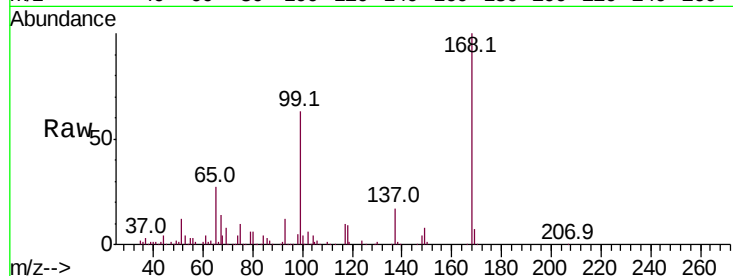
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 289937

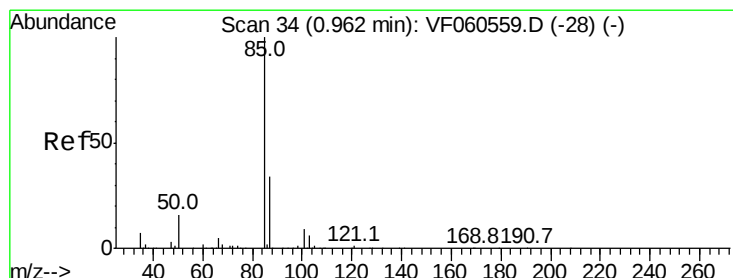
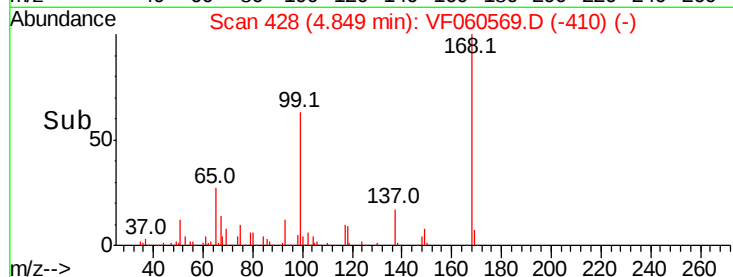
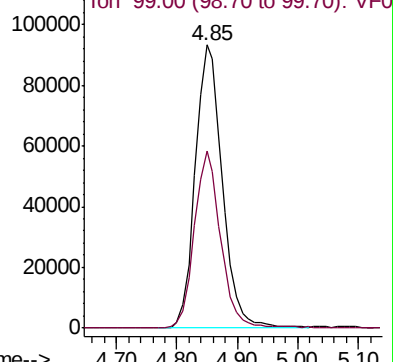
Ion Ratio Lower Upper

168 100

99 62.5 48.6 72.8



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.97 min Scan# 35

Delta R.T. 0.01 min

Lab File: VF060569.D

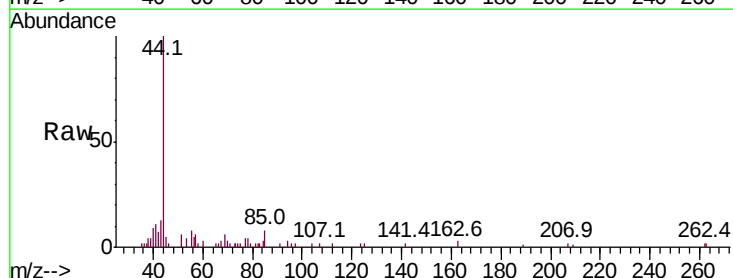
Acq: 5 Nov 2018 12:55

Tgt Ion: 85 Resp: 1474

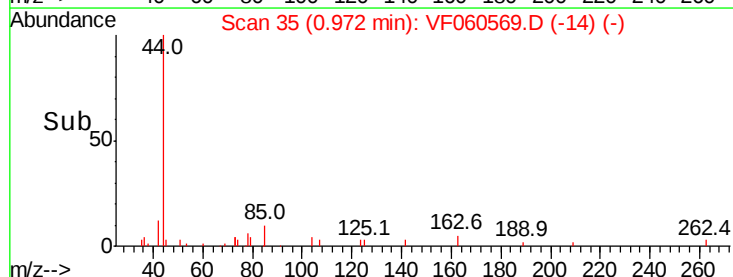
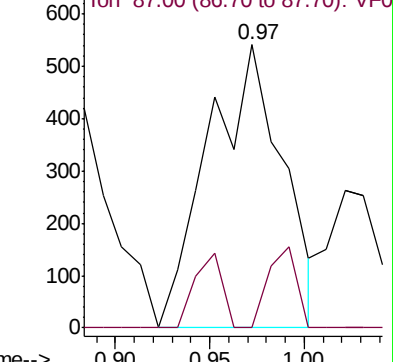
Ion Ratio Lower Upper

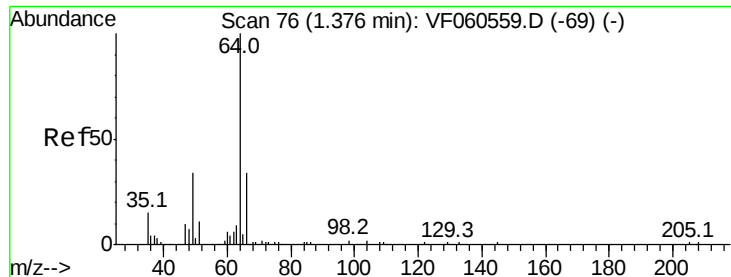
85 100

87 0.0 16.9 50.7#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#6

Chloroethane

Concen: Below Cal

RT: 1.37 min Scan# 75

Delta R.T. -0.01 min

Lab File: VF060569.D

Acq: 5 Nov 2018 12:55

Instrument :

MSVOA_F

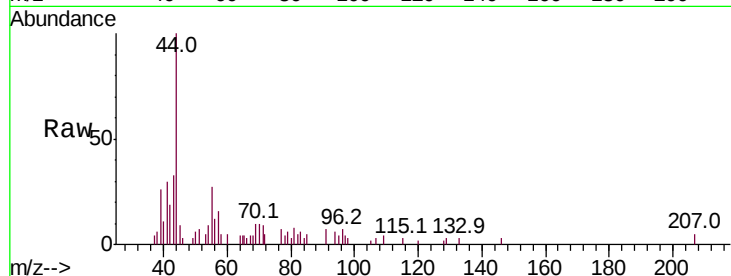
ClientSampled :

Tot Ion: 64 Resp: 217

Ion Ratio Lower Upper

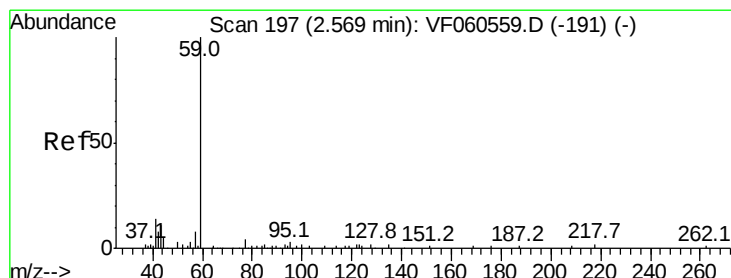
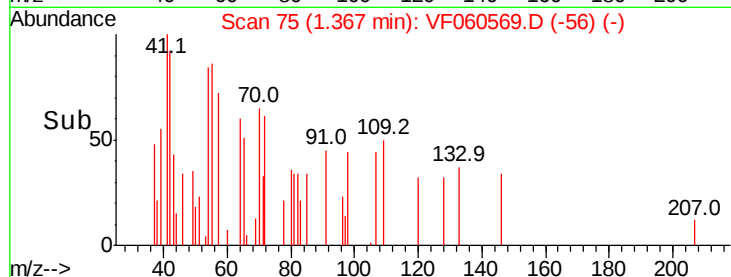
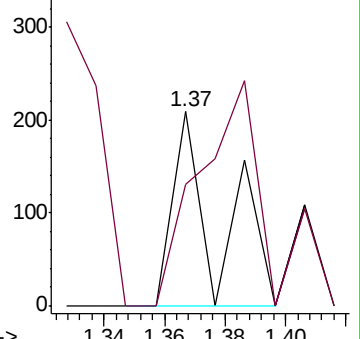
64 100

66 62.2 27.8 41.8#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.54 min Scan# 194

Delta R.T. -0.03 min

Lab File: VF060569.D

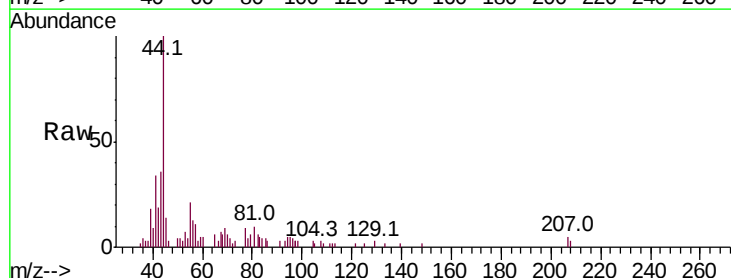
Acq: 5 Nov 2018 12:55

Tgt Ion: 59 Resp: 508

Ion Ratio Lower Upper

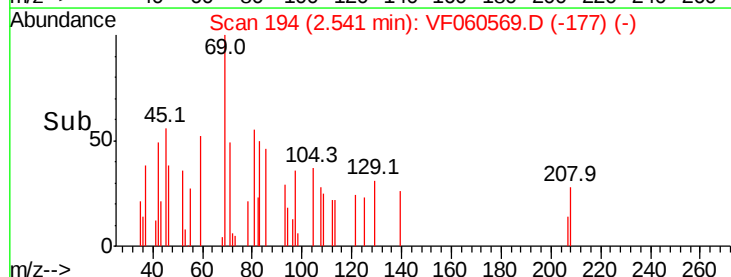
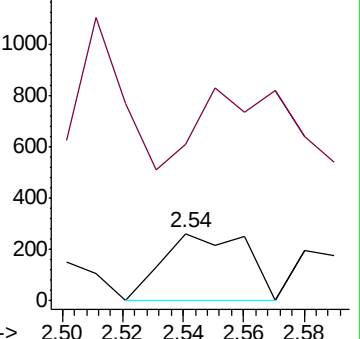
59 100

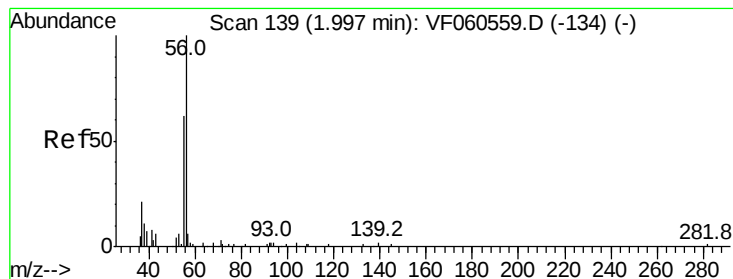
57 233.0 19.0 28.4#



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: 1.97 min Scan# 136

Delta R.T. -0.03 min

Lab File: VF060569.D

Acq: 5 Nov 2018 12:55

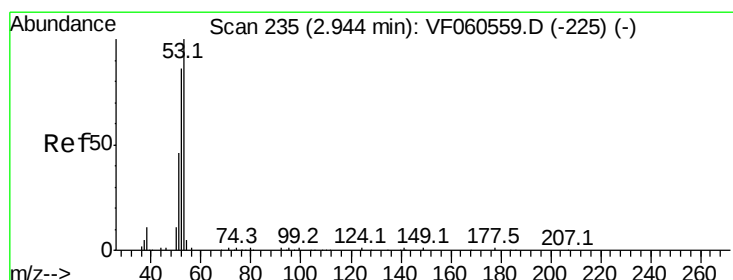
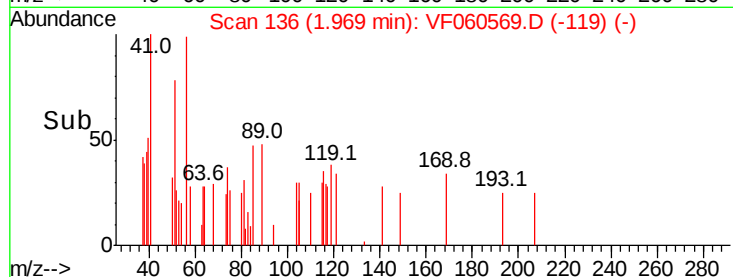
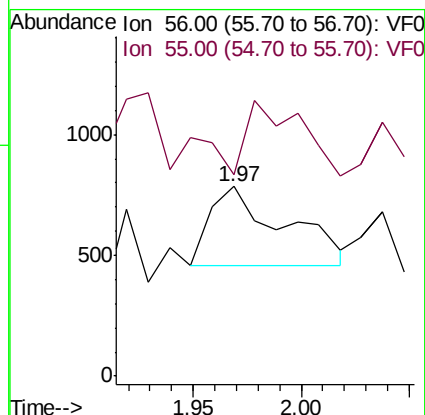
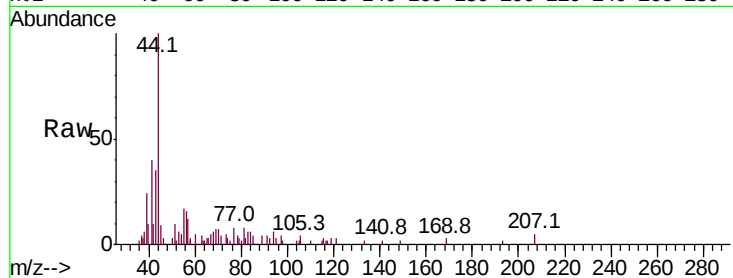
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 789

Ion Ratio Lower Upper

56 100

55 106.1 61.8 92.6#



#15

Acrylonitrile

Concen: 2.501 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.02 min

Lab File: VF060569.D

Acq: 5 Nov 2018 12:55

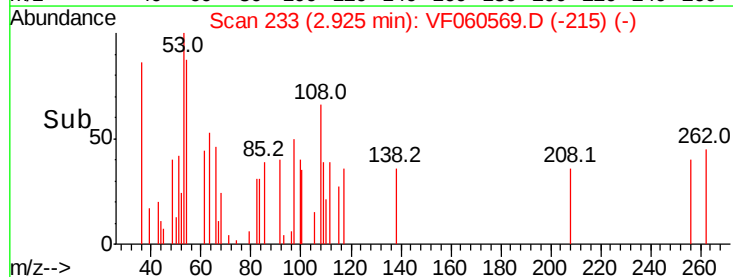
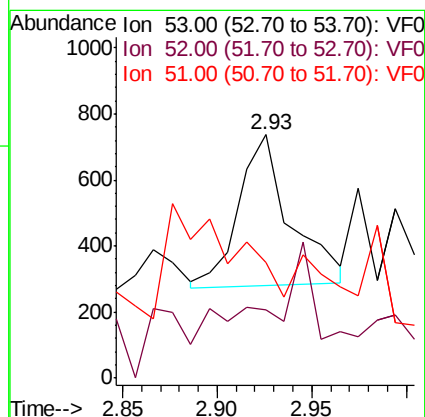
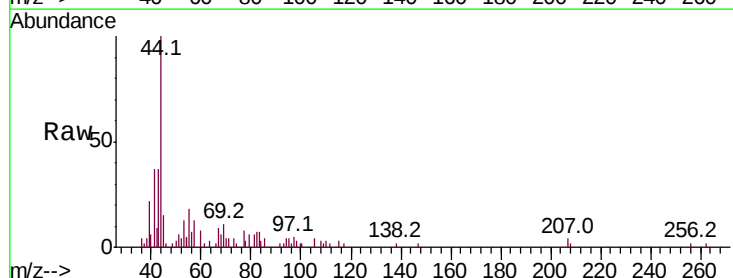
Tgt Ion: 53 Resp: 873

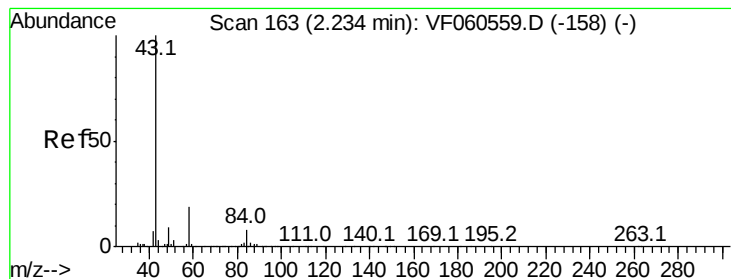
Ion Ratio Lower Upper

53 100

52 28.1 68.5 102.7#

51 47.8 38.2 57.2





#16

Acetone

Concen: 1.902 ug/l

RT: 2.17 min Scan# 156

Delta R.T. -0.07 min

Lab File: VF060569.D

Acq: 5 Nov 2018 12:55

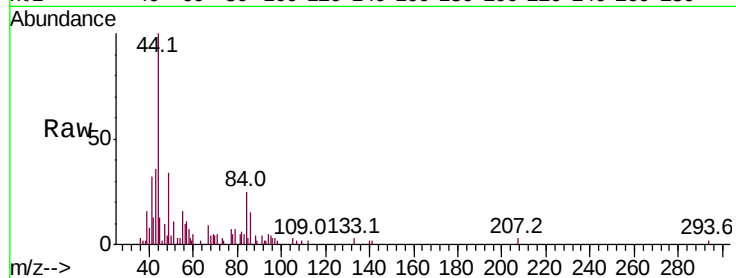
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1313

Ion Ratio Lower Upper

43 100

58 18.0 14.6 22.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

3000

2000

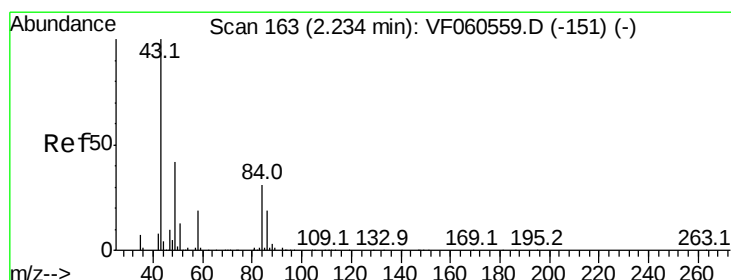
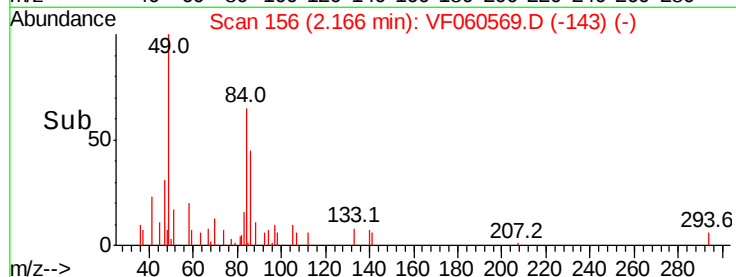
1000

0

2.12 2.14 2.16 2.18 2.20

2.17

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.18 min Scan# 157

Delta R.T. -0.06 min

Lab File: VF060569.D

Acq: 5 Nov 2018 12:55

Tgt Ion: 84 Resp: 7640

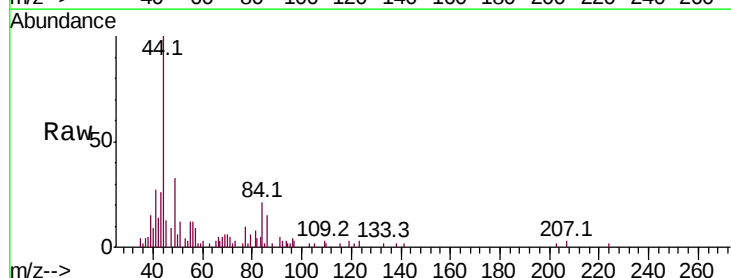
Ion Ratio Lower Upper

84 100

49 161.3 109.9 164.9

51 56.6 35.8 53.8#

86 73.4 48.3 72.5#



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3000

2000

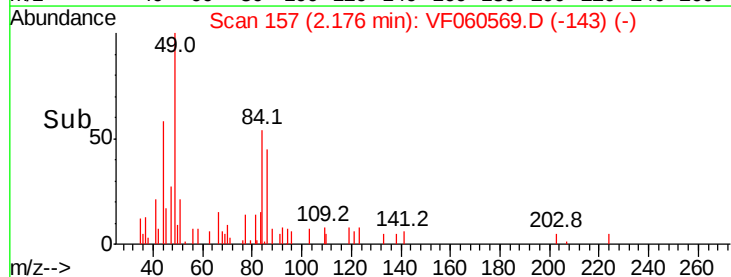
1000

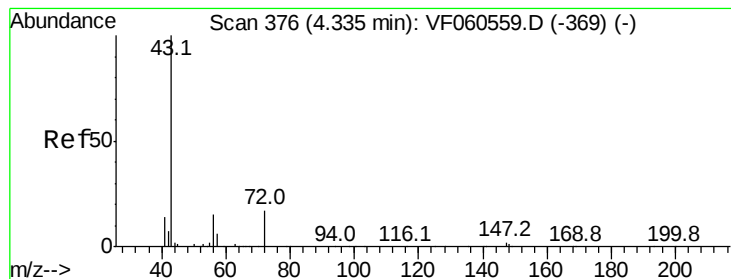
0

2.00 2.10 2.20 2.30

2.18

Time-->





#25

2-Butanone

Concen: Below Cal

RT: 4.31 min Scan# 373

Delta R.T. -0.03 min

Lab File: VF060569.D

Acq: 5 Nov 2018 12:55

Instrument :

MSVOA_F

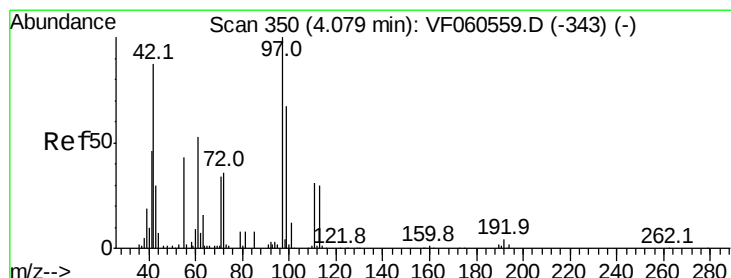
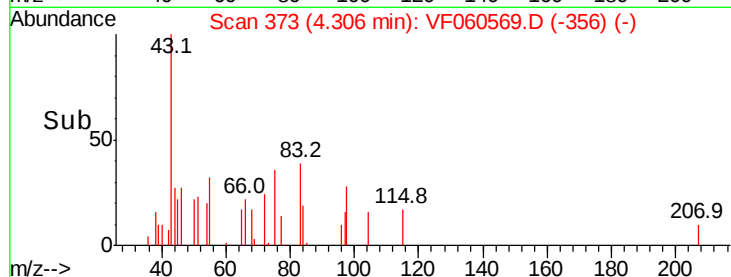
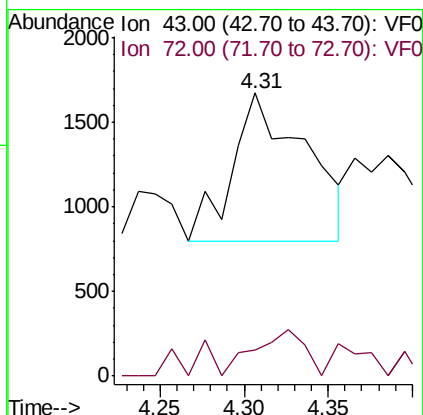
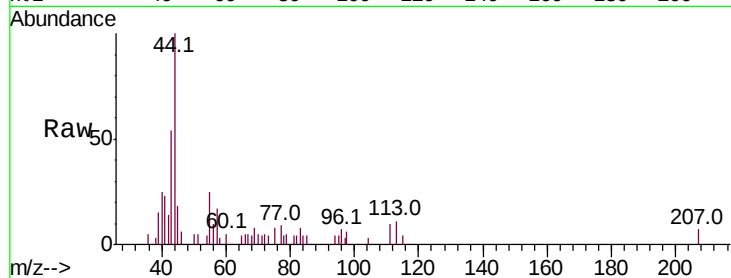
ClientSampled :

Tot Ion: 43 Resp: 2635

Ion Ratio Lower Upper

43 100

72 9.4 16.2 24.2#



#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.07 min Scan# 349

Delta R.T. -0.01 min

Lab File: VF060569.D

Acq: 5 Nov 2018 12:55

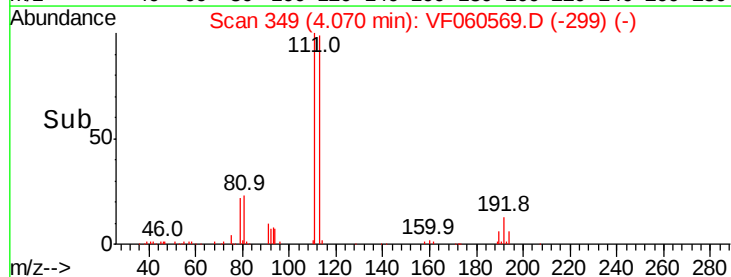
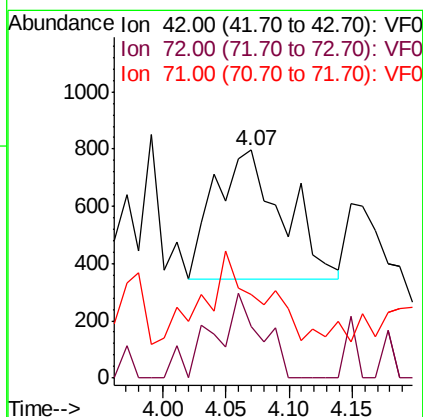
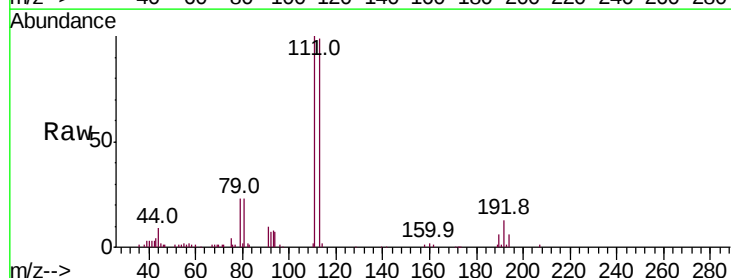
Tgt Ion: 42 Resp: 1724

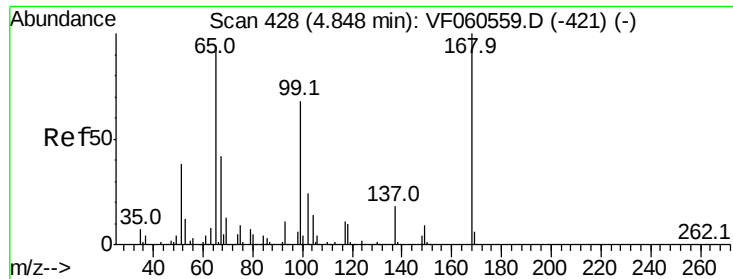
Ion Ratio Lower Upper

42 100

72 45.9 31.4 47.0

71 67.1 31.8 47.6#





#33

1,2-Dichloroethane-d4

Concen: 51.477 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.02 min

Lab File: VF060569.D

Acq: 5 Nov 2018 12:55

Instrument :

MSVOA_F

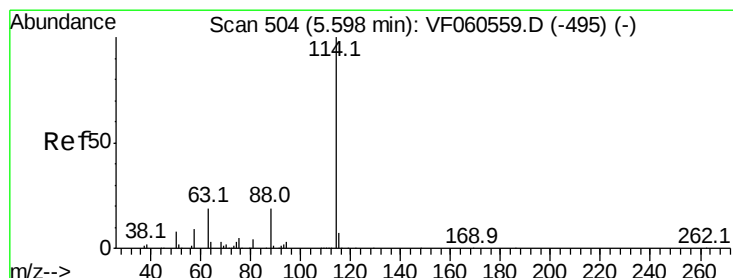
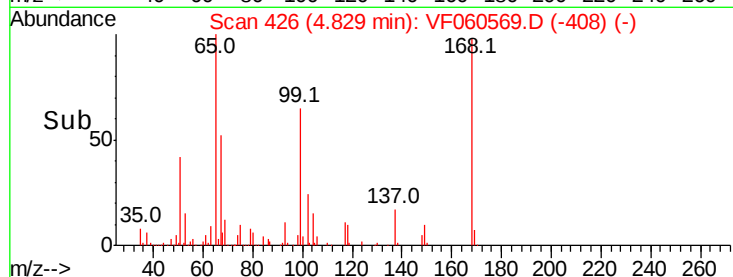
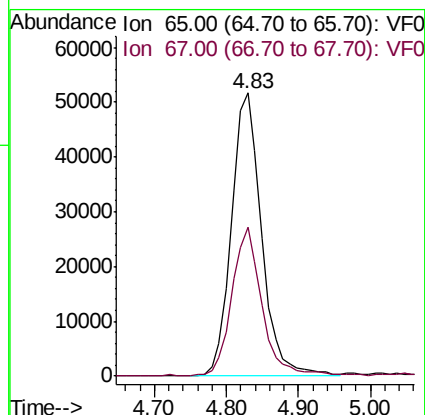
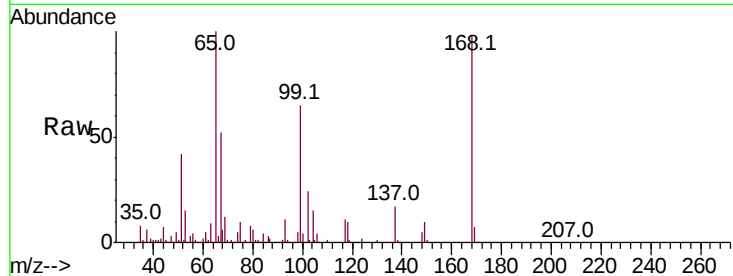
ClientSampleId :

Tot Ion: 65 Resp: 150799

Ion Ratio Lower Upper

65 100

67 52.4 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.02 min

Lab File: VF060569.D

Acq: 5 Nov 2018 12:55

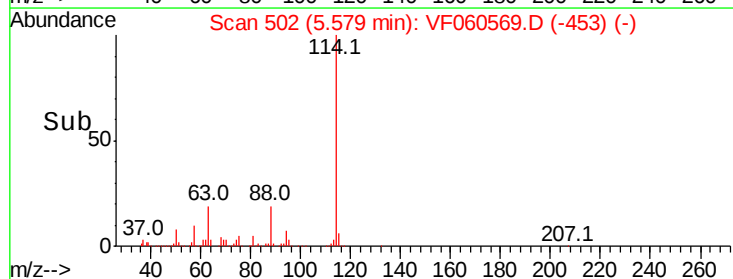
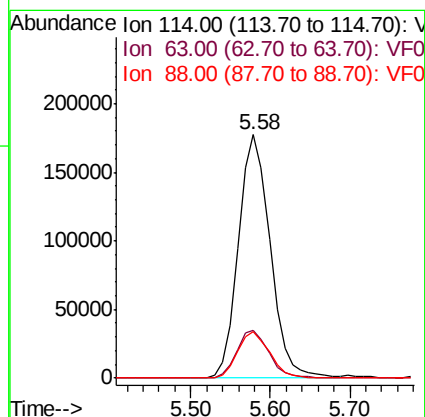
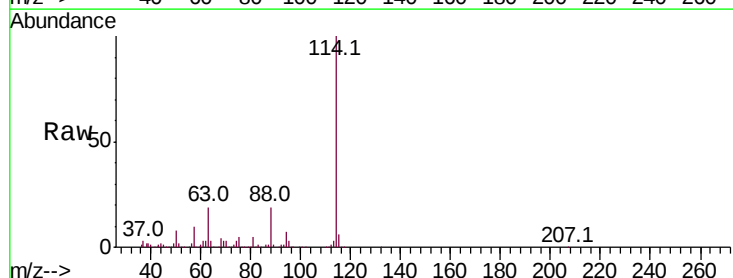
Tgt Ion: 114 Resp: 491609

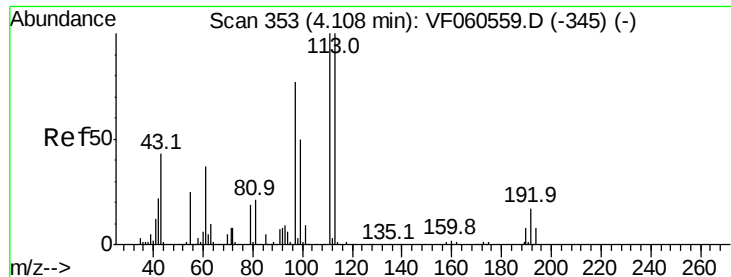
Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.0

88 19.2 0.0 38.2





#35

Dibromofluoromethane

Concen: 54.982 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF060569.D

Acq: 5 Nov 2018 12:55

Instrument :
MSVOA_F
ClientSampleId :

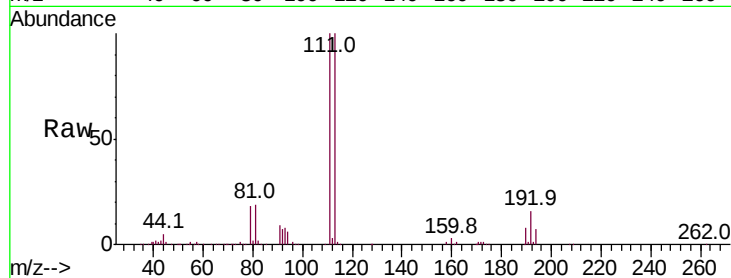
Tot Ion:113 Resp: 208832

Ion	Ratio	Lower	Upper
113	100		
111	100.5	79.9	119.9
192	15.9	13.3	19.9

113 100

111 100.5 79.9 119.9

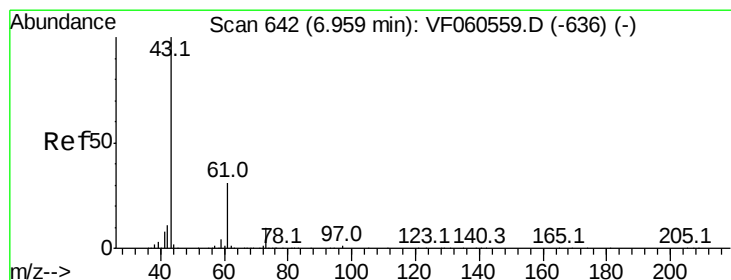
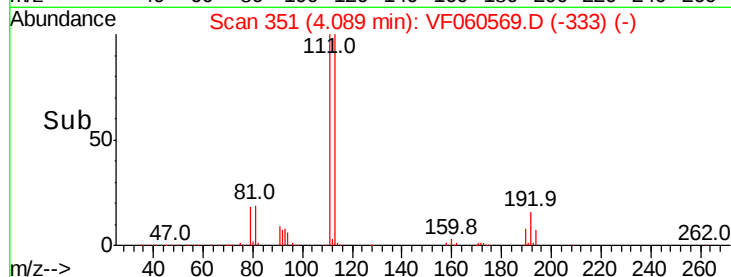
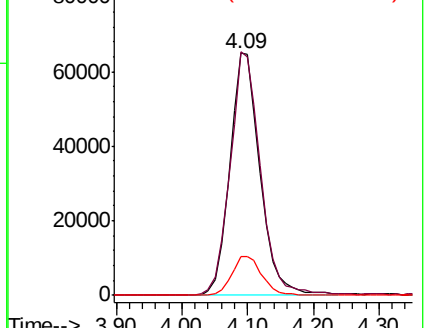
192 15.9 13.3 19.9



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



#43

Isopropyl Acetate

Concen: 1.009 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF060569.D

Acq: 5 Nov 2018 12:55

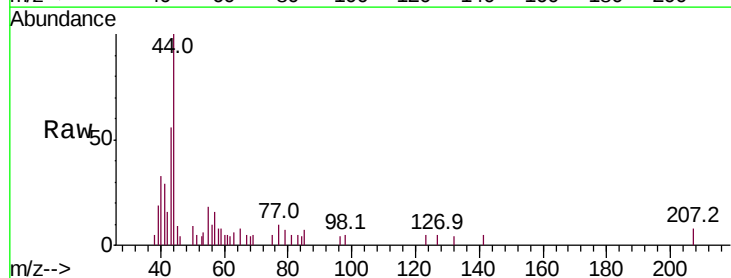
Tgt Ion: 43 Resp: 3315

Ion	Ratio	Lower	Upper
43	100		
61	9.2	24.2	36.2#
87	0.0	0.2	0.4#

43 100

61 9.2 24.2 36.2#

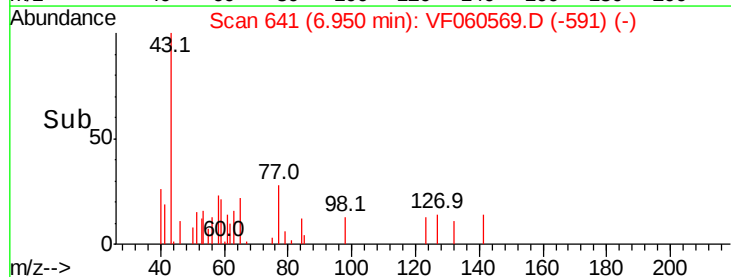
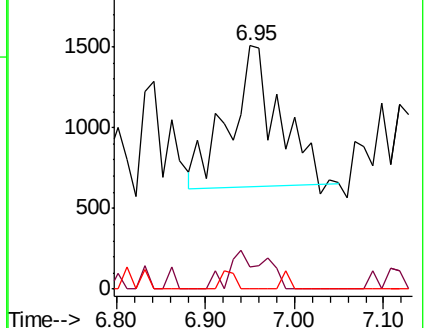
87 0.0 0.2 0.4#

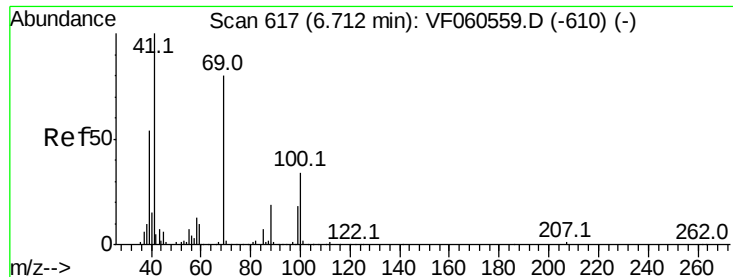


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#49

1,4-Dioxane

Concen: 3.610 ug/l

RT: 6.74 min Scan# 620

Delta R.T. 0.03 min

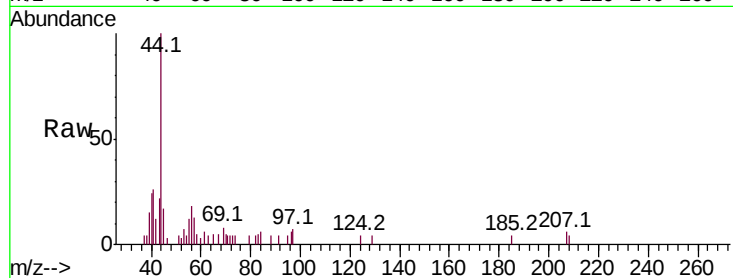
Lab File: VF060569.D

Acq: 5 Nov 2018 12:55

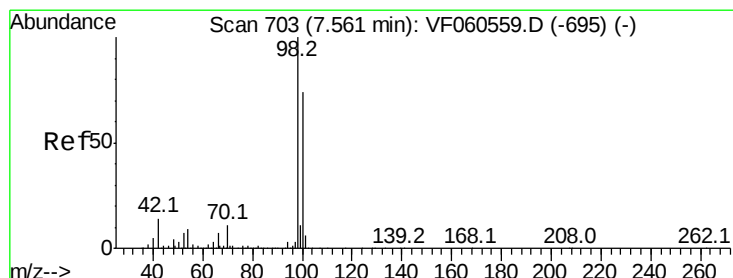
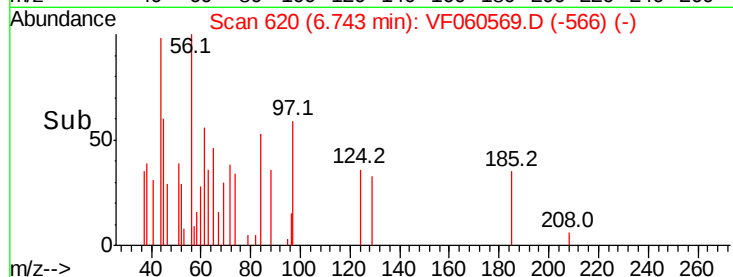
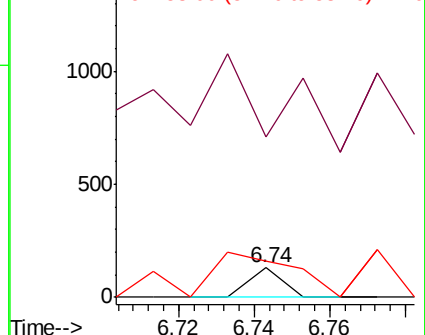
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 78

Ion	Ratio	Lower	Upper
88	100		
43	537.9	61.2	91.8#
58	122.7	56.9	85.3#



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 50.238 ug/l

RT: 7.53 min Scan# 700

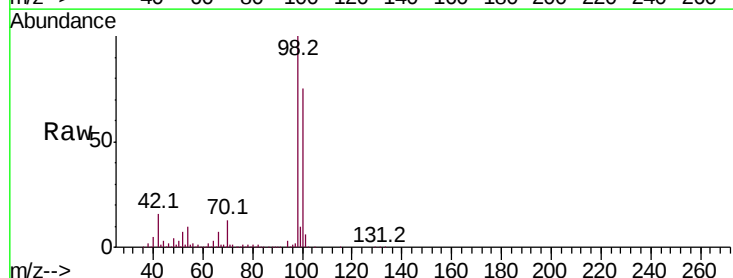
Delta R.T. -0.03 min

Lab File: VF060569.D

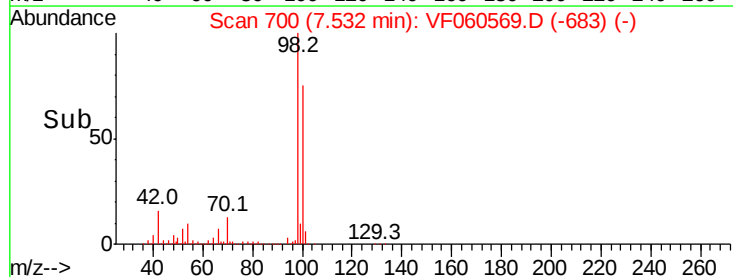
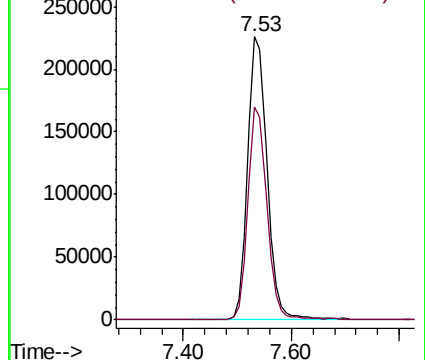
Acq: 5 Nov 2018 12:55

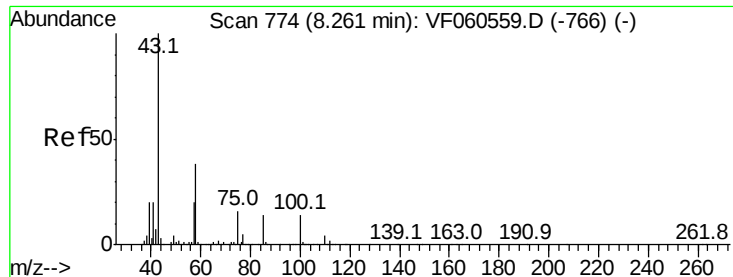
Tgt Ion: 98 Resp: 565244

Ion	Ratio	Lower	Upper
98	100		
100	75.1	59.4	89.2



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: 3.945 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF060569.D

Acq: 5 Nov 2018 12:55

Instrument :

MSVOA_F

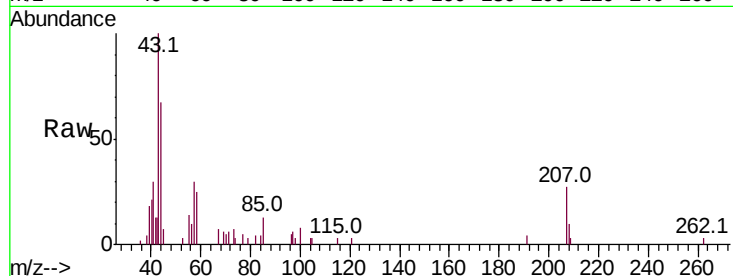
ClientSampleId :

Tot Ion: 43 Resp: 8719

Ion Ratio Lower Upper

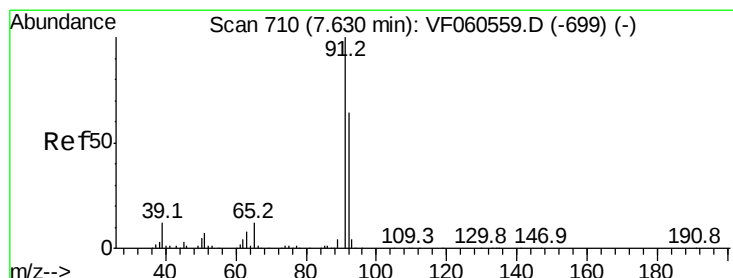
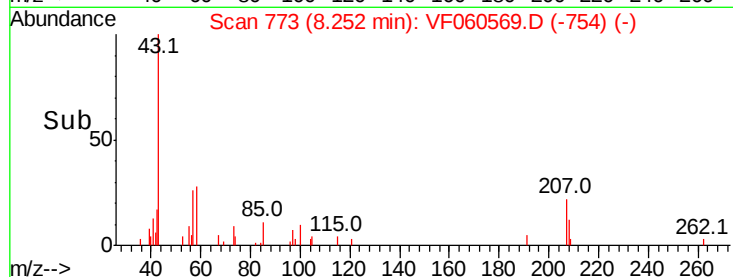
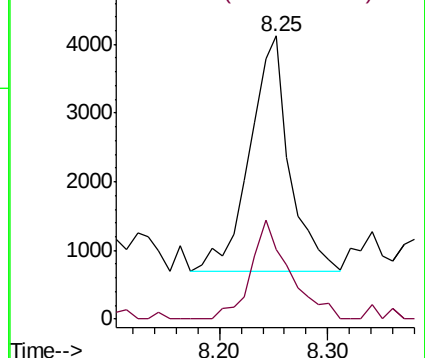
43 100

58 24.8 30.1 45.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 7.53 min Scan# 700

Delta R.T. -0.10 min

Lab File: VF060569.D

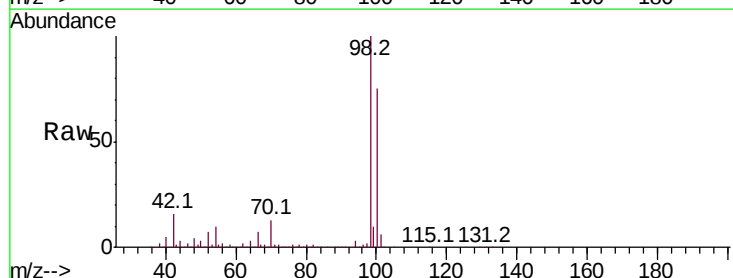
Acq: 5 Nov 2018 12:55

Tgt Ion: 63 Resp: 872

Ion Ratio Lower Upper

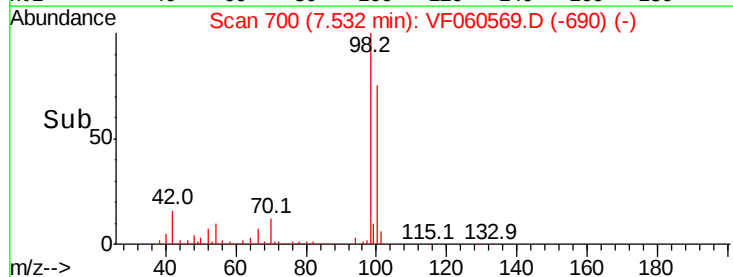
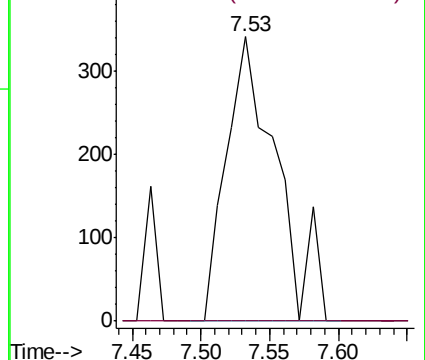
63 100

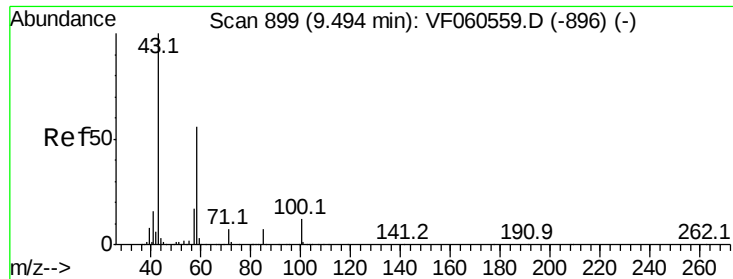
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

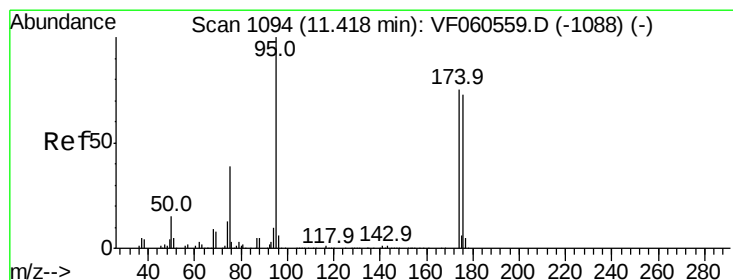
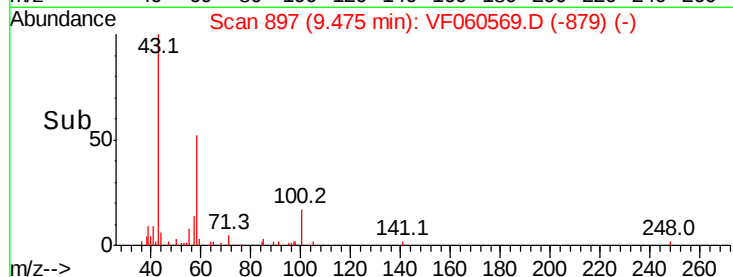
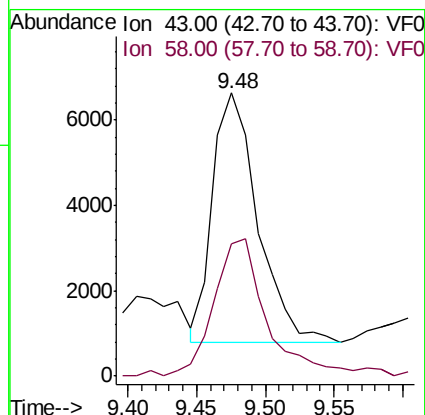
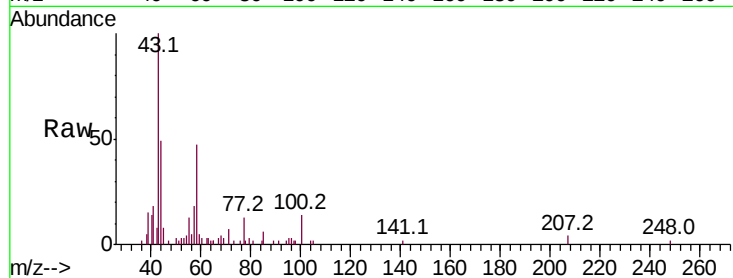




#59
2-Hexanone
Concen: Below Cal
RT: 9.48 min Scan# 897
Delta R.T. -0.02 min
Lab File: VF060569.D
Acq: 5 Nov 2018 12:55

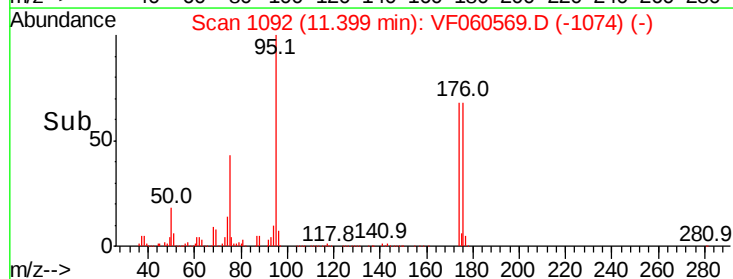
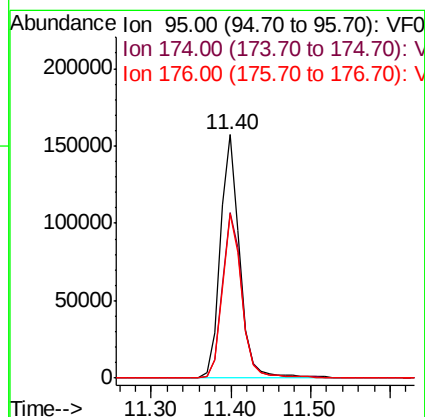
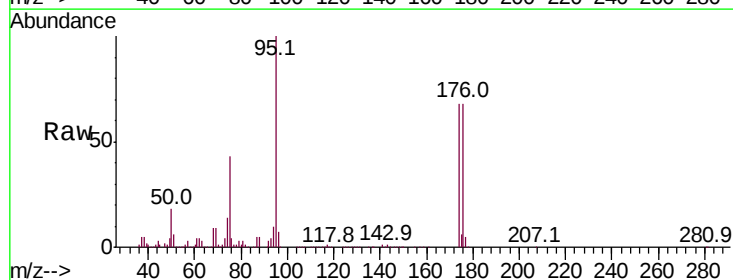
Instrument :
MSVOA_F
ClientSampleId :

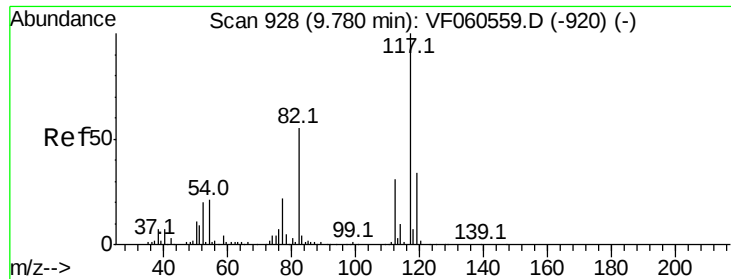
Tot Ion: 43 Resp: 13319
Ion Ratio Lower Upper
43 100
58 46.7 26.1 78.3



#62
4-Bromofluorobenzene
Concen: 54.742 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.02 min
Lab File: VF060569.D
Acq: 5 Nov 2018 12:55

Tgt Ion: 95 Resp: 269409
Ion Ratio Lower Upper
95 100
174 67.8 0.0 149.0
176 67.7 0.0 145.6

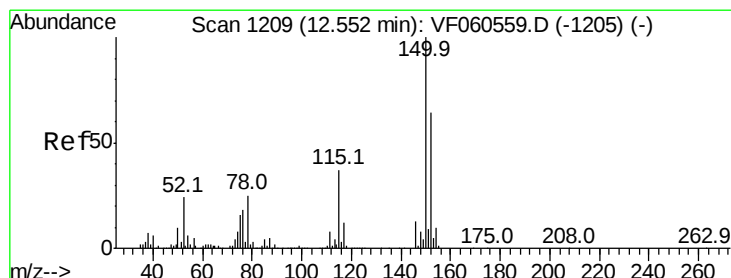
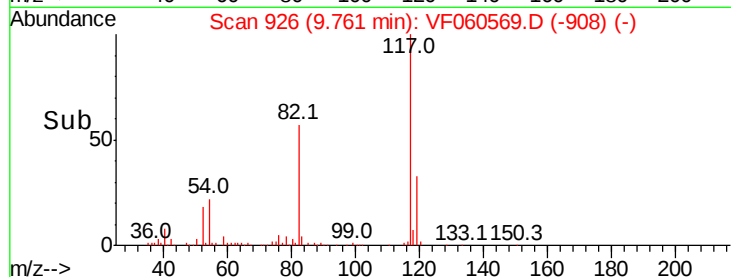
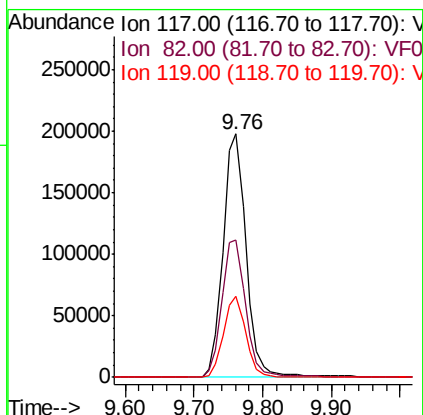
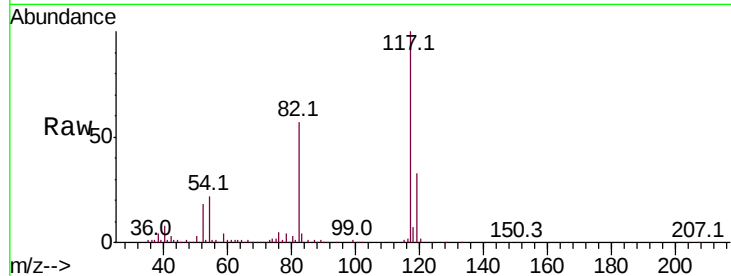




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF060569.D
Acq: 5 Nov 2018 12:55

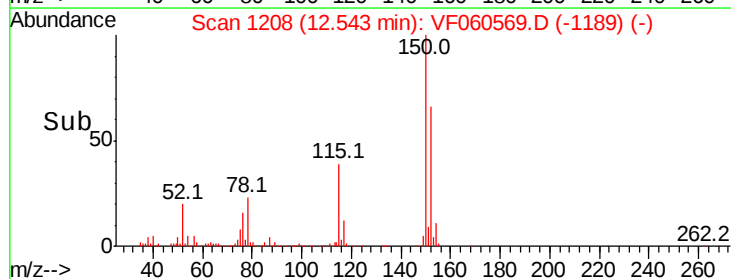
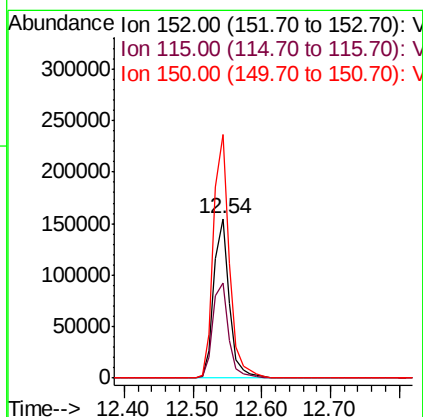
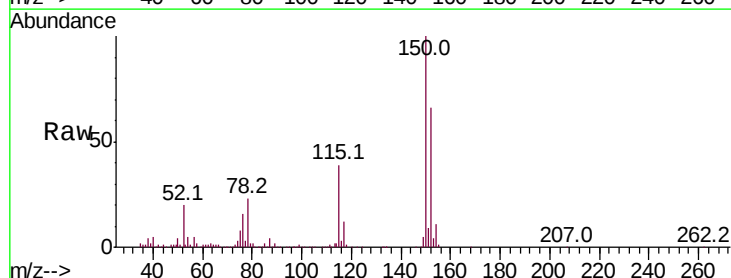
Instrument :
MSVOA_F
ClientSampleId :

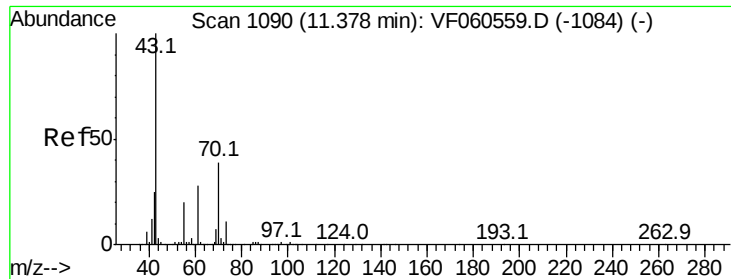
Tot Ion:117 Resp: 458789
Ion Ratio Lower Upper
117 100
82 56.6 43.9 65.9
119 33.1 27.4 41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF060569.D
Acq: 5 Nov 2018 12:55

Tgt Ion:152 Resp: 242143
Ion Ratio Lower Upper
152 100
115 59.5 29.6 88.8
150 152.4 0.0 315.6





#74
 N-amvl acetate
 Concen: Below Cal
 RT: 11.36 min Scan# 1088
 Delta R.T. -0.02 min
 Lab File: VF060569.D
 Acq: 5 Nov 2018 12:55

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 43 Resp: 6205
 Ion Ratio Lower Upper
 43 100
 70 24.3 30.9 46.3#
 55 28.7 16.6 24.8#
 61 14.8 22.0 33.0#

