

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110618\
 Data File : VF060615.D
 Acq On : 6 Nov 2018 16:28
 Operator : VA/AP
 Sample : J5803-09RE
 Misc : 5.06g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 06 16:02:51 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	4.89	168	282329	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.62	114	489617	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.79	117	385018	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	183729	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	134003	46.98	ug/l	0.01
Spiked Amount			Recovery	=	93.96%	
35) Dibromofluoromethane	4.13	113	172115	45.50	ug/l	0.02
Spiked Amount			Recovery	=	91.00%	
50) Toluene-d8	7.57	98	435431	38.86	ug/l	0.01
Spiked Amount			Recovery	=	77.72%	
62) 4-Bromofluorobenzene	11.43	95	174801	35.66	ug/l	0.01
Spiked Amount			Recovery	=	71.32%	

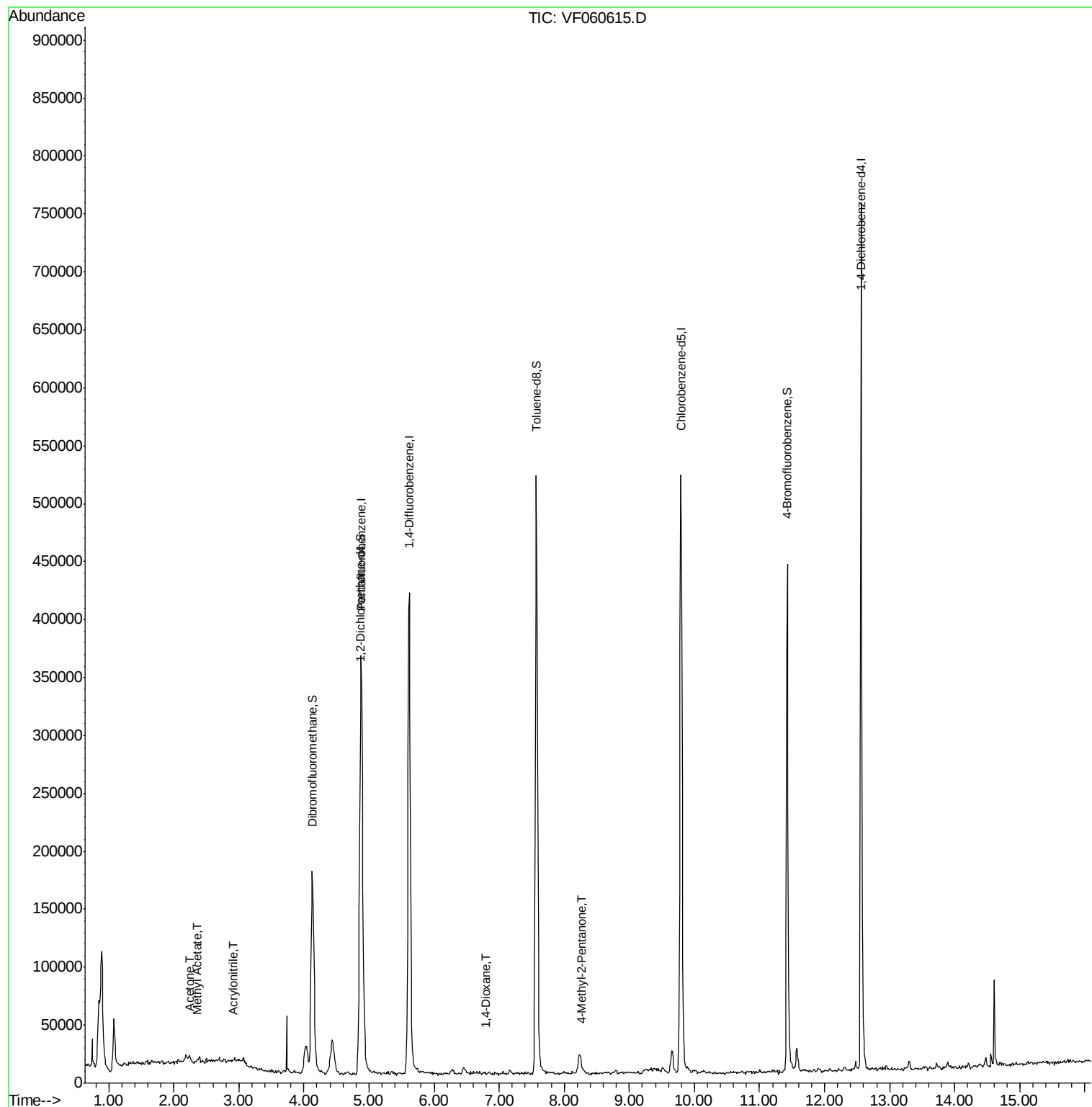
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	758	Below Cal		84
6) Chloroethane	1.37	64	90	Below Cal	#	40
11) Tert butyl alcohol	2.57	59	533	Below Cal	#	1
13) Acrolein	2.00	56	181	Below Cal	#	53
15) Acrylonitrile	2.91	53	765	2.250	ug/l #	51
16) Acetone	2.23	43	3818	5.680	ug/l #	79
18) Methyl Acetate	2.36	43	1214	1.631	ug/l #	80
20) Methylene Chloride	2.19	84	2513	Below Cal	#	76
25) 2-Butanone	4.43	43	1243	Below Cal		98
29) Tetrahydrofuran	4.11	42	749	Below Cal	#	60
49) 1,4-Dioxane	6.79	88	63	2.927	ug/l #	1
51) 4-Methyl-2-Pentanone	8.28	43	4303	1.955	ug/l #	76
58) 2-Chloroethyl Vinyl ether	7.64	63	140	Below Cal		100
59) 2-Hexanone	9.50	43	4504	Below Cal		85
74) N-amyl acetate	11.39	43	1988	Below Cal	#	82
89) n-Butylbenzene	12.85	91	1217	Below Cal	#	66

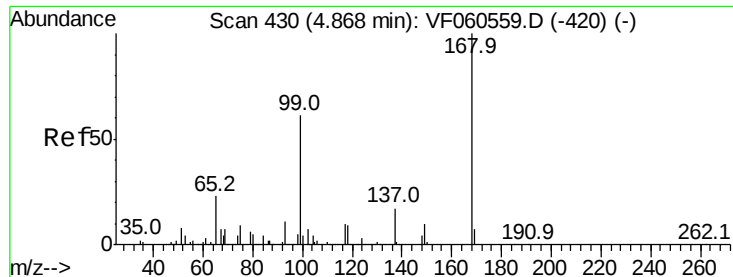
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110618\
Data File : VF060615.D
Acq On : 6 Nov 2018 16:28
Operator : VA/AP
Sample : J5803-09RE
Misc : 5.06g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Nov 06 16:02:51 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



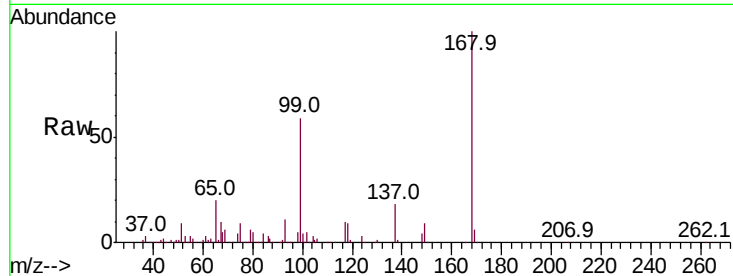


#1

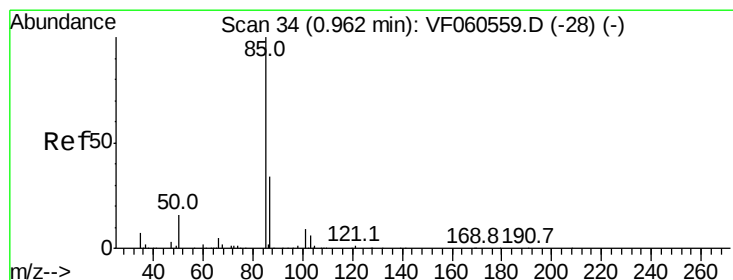
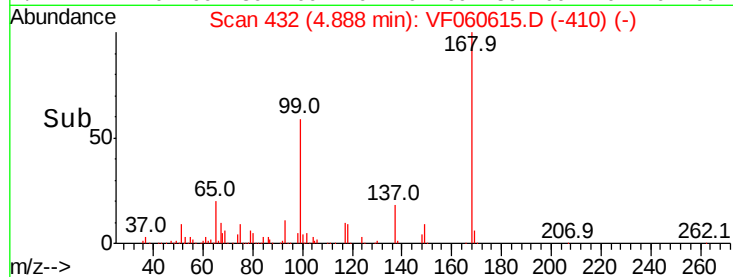
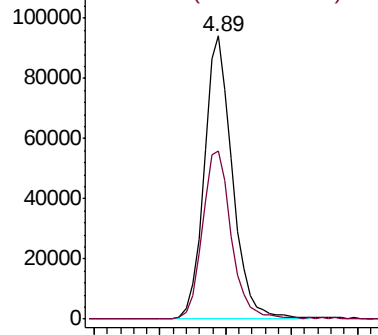
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 4.89 min Scan# 432
 Delta R.T. 0.02 min
 Lab File: VF060615.D
 Acq: 6 Nov 2018 16:28

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:168 Resp: 282329
 Ion Ratio Lower Upper
 168 100
 99 59.4 48.6 72.8



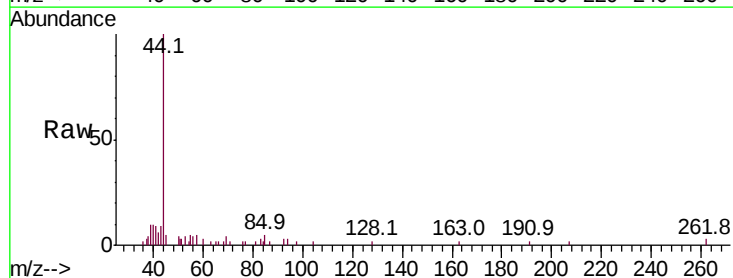
Abundance Ion 168.00 (167.70 to 168.70): VF0
 Ion 99.00 (98.70 to 99.70): VF0



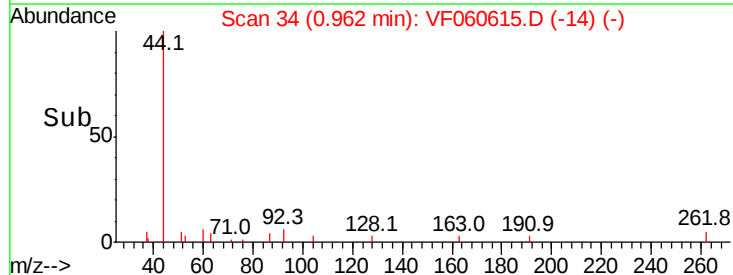
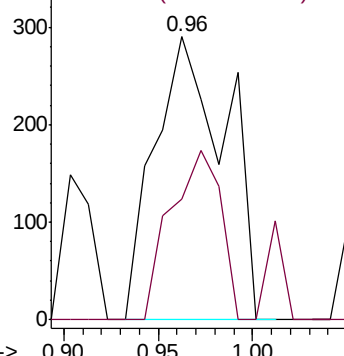
#2

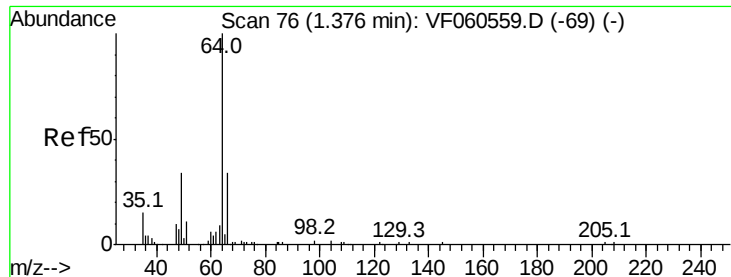
Dichlorodifluoromethane
 Concen: Below Cal
 RT: 0.96 min Scan# 34
 Delta R.T. 0.00 min
 Lab File: VF060615.D
 Acq: 6 Nov 2018 16:28

Tgt Ion: 85 Resp: 758
 Ion Ratio Lower Upper
 85 100
 87 42.8 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0





#6

Chloroethane

Concen: Below Cal

RT: 1.37 min Scan# 75

Delta R.T. -0.01 min

Lab File: VF060615.D

Acq: 6 Nov 2018 16:28

Instrument :

MSVOA_F

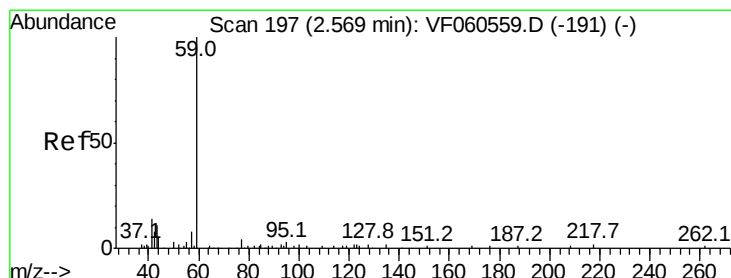
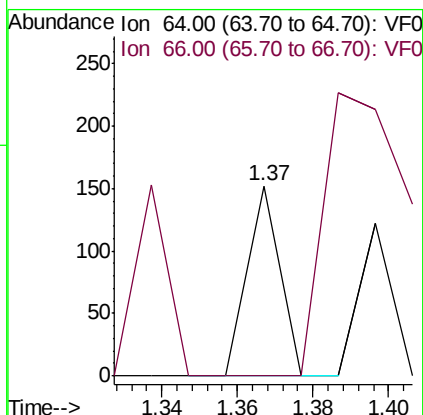
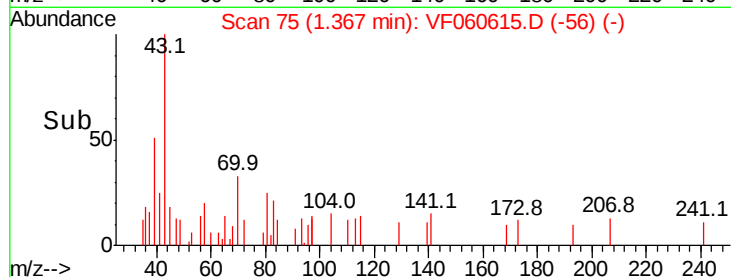
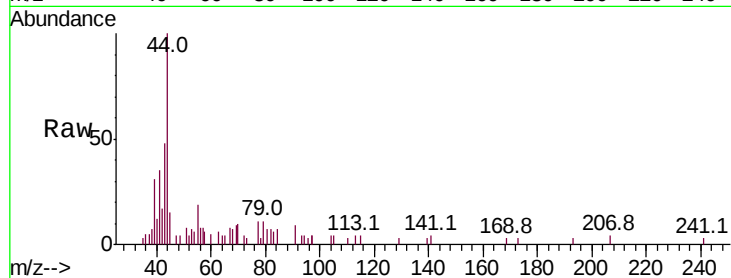
ClientSampled :

Tot Ion: 64 Resp: 90

Ion Ratio Lower Upper

64 100

66 0.0 27.8 41.8#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.57 min Scan# 197

Delta R.T. 0.00 min

Lab File: VF060615.D

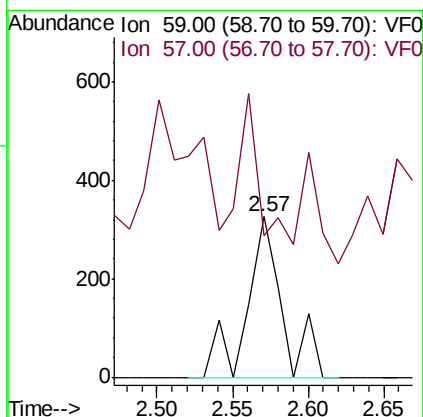
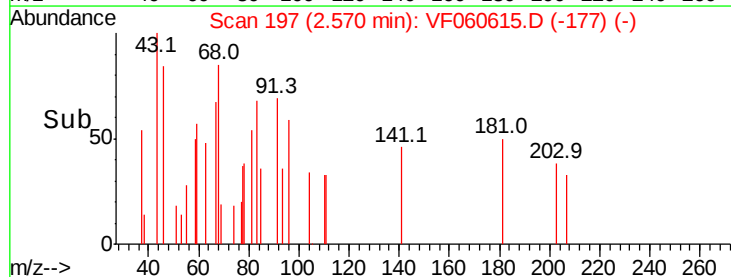
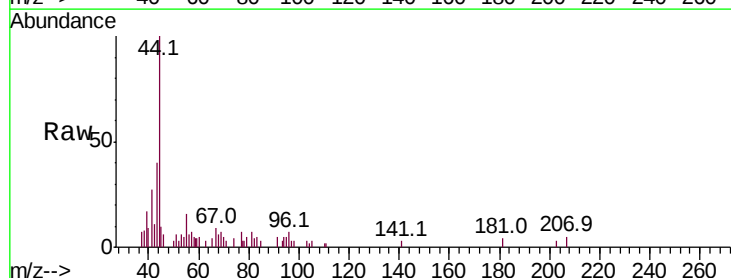
Acq: 6 Nov 2018 16:28

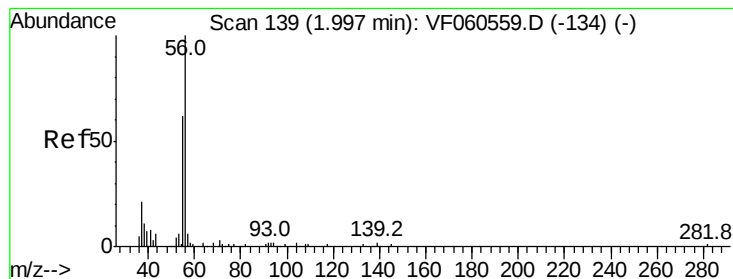
Tgt Ion: 59 Resp: 533

Ion Ratio Lower Upper

59 100

57 88.3 19.0 28.4#





#13

Acrolein

Concen: Below Cal

RT: 2.00 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF060615.D

Acq: 6 Nov 2018 16:28

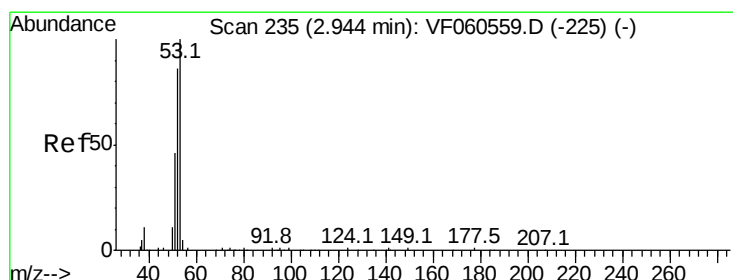
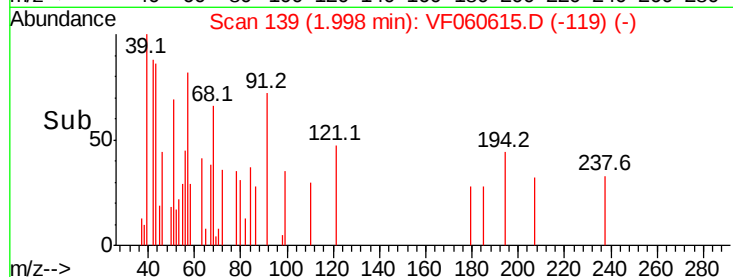
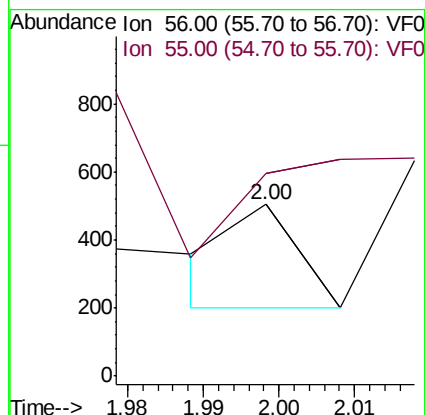
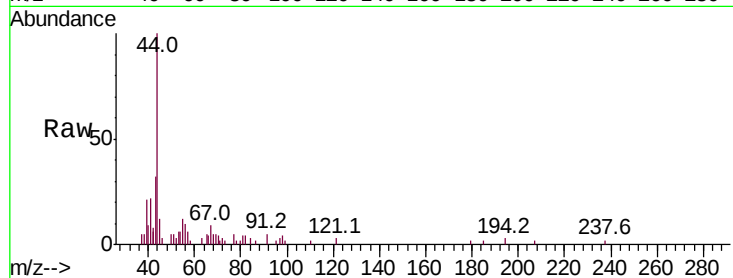
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 181

Ion Ratio Lower Upper

56 100

55 118.2 61.8 92.6#



#15

Acrylonitrile

Concen: 2.250 ug/l

RT: 2.91 min Scan# 231

Delta R.T. -0.04 min

Lab File: VF060615.D

Acq: 6 Nov 2018 16:28

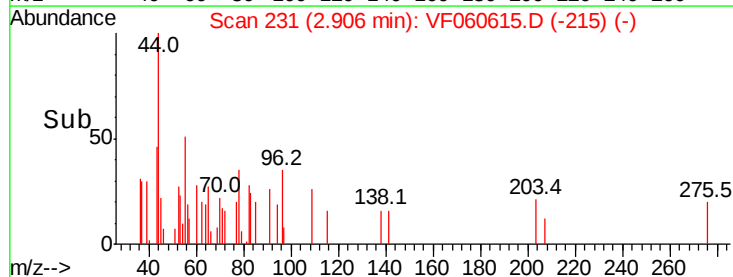
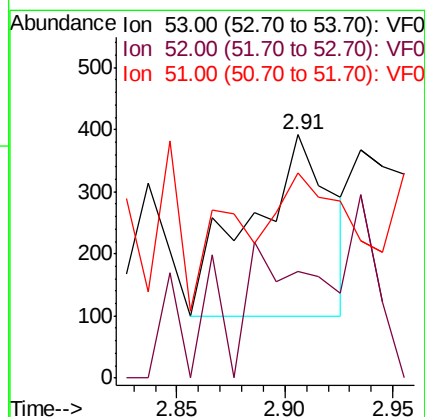
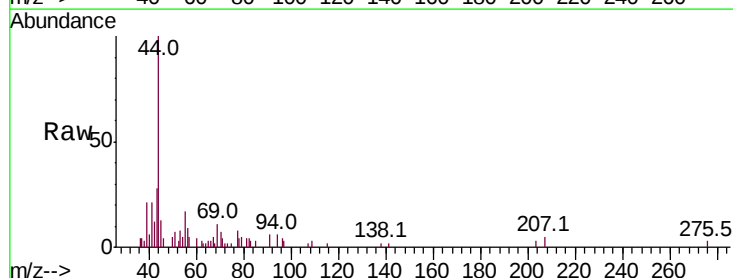
Tgt Ion: 53 Resp: 765

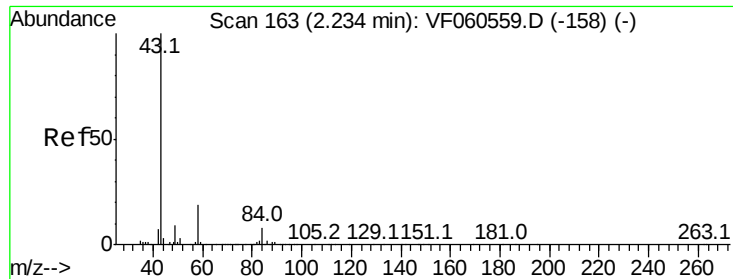
Ion Ratio Lower Upper

53 100

52 43.6 68.5 102.7#

51 84.4 38.2 57.2#

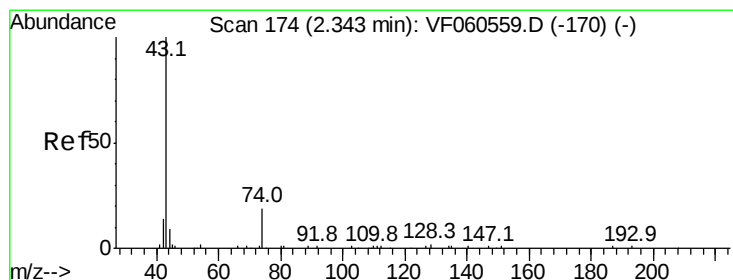
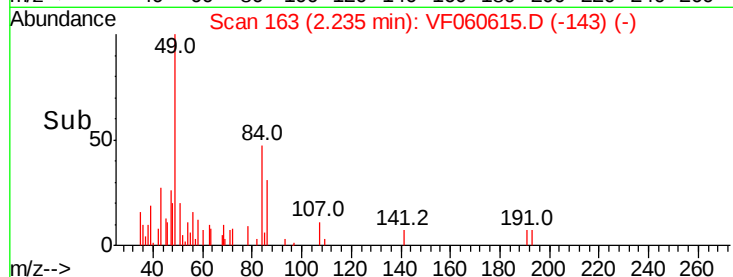
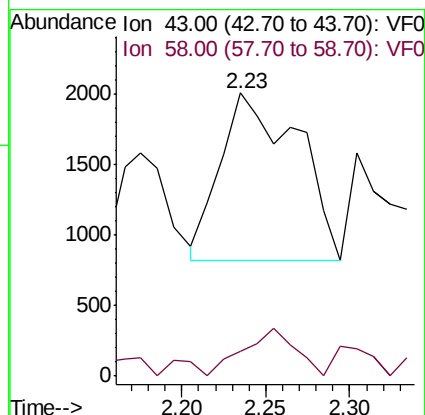
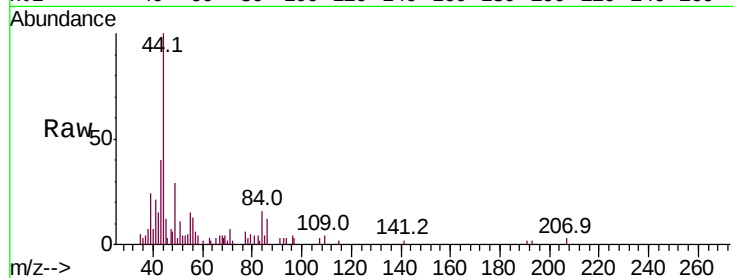




#16
Acetone
Concen: 5.680 ug/l
RT: 2.23 min Scan# 163
Delta R.T. 0.00 min
Lab File: VF060615.D
Acq: 6 Nov 2018 16:28

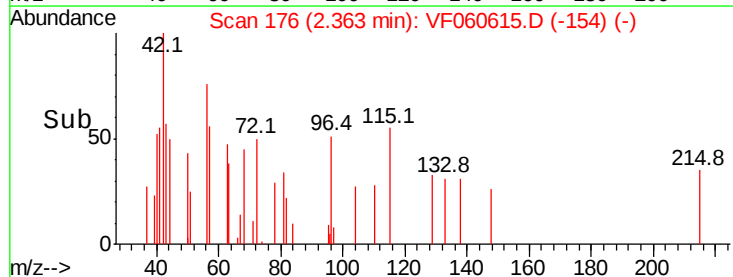
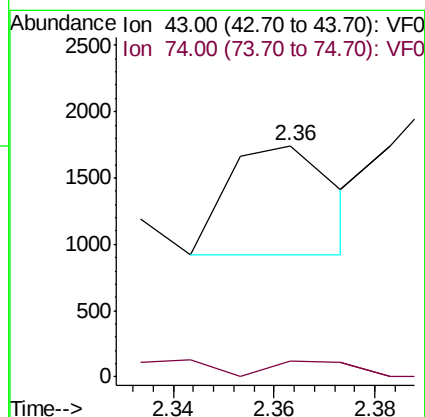
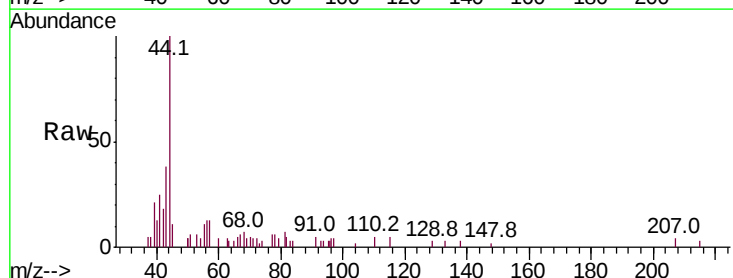
Instrument :
MSVOA_F
ClientSampled :

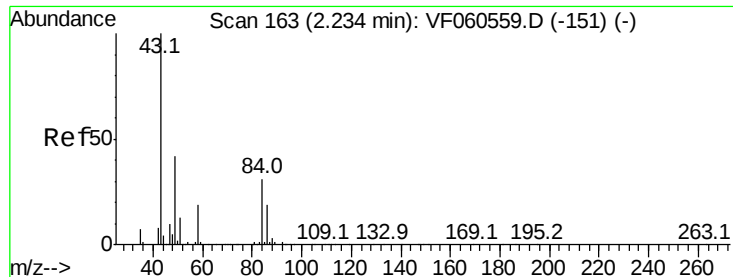
Tot Ion: 43 Resp: 3818
Ion Ratio Lower Upper
43 100
58 8.8 14.6 22.0#



#18
Methyl Acetate
Concen: 1.631 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.02 min
Lab File: VF060615.D
Acq: 6 Nov 2018 16:28

Tgt Ion: 43 Resp: 1214
Ion Ratio Lower Upper
43 100
74 6.8 12.1 18.1#





#20

Methvlene Chloride

Concen: Below Cal

RT: 2.19 min Scan# 158

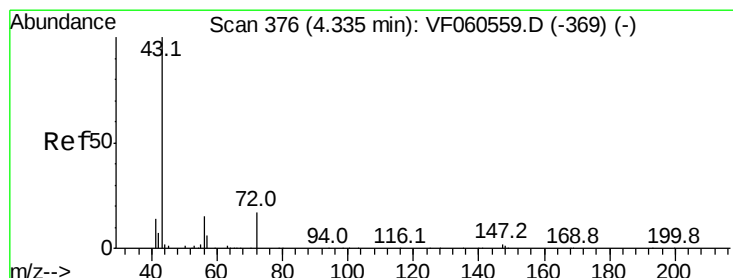
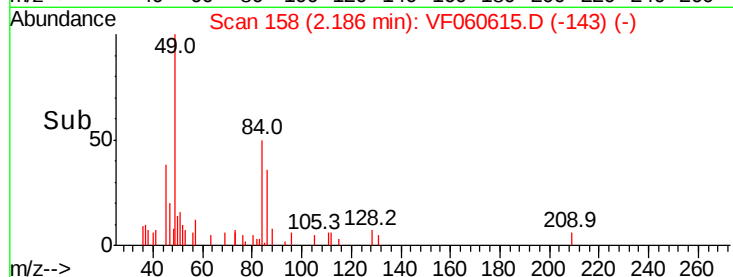
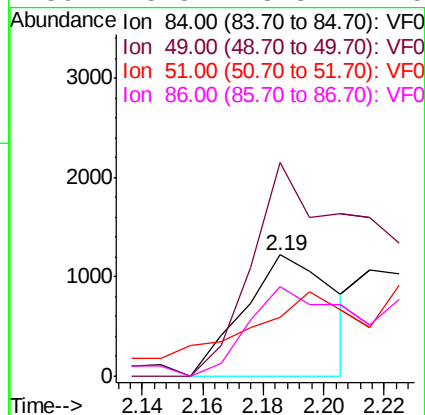
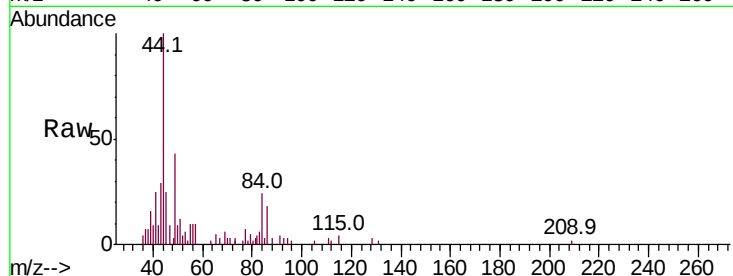
Delta R.T. -0.05 min

Lab File: VF060615.D

Acq: 6 Nov 2018 16:28

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	84	Resp:	2513
Ion	Ratio	Lower	Upper
84	100		
49	175.9	109.9	164.9#
51	48.6	35.8	53.8
86	73.8	48.3	72.5#



#25

2-Butanone

Concen: Below Cal

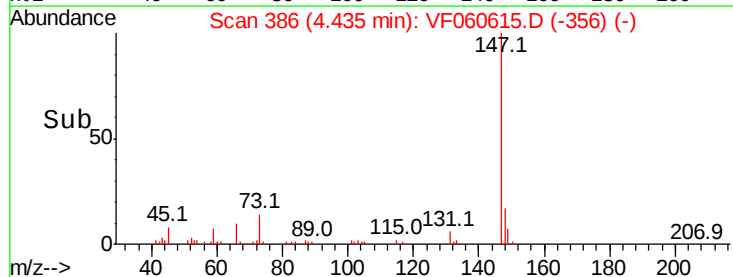
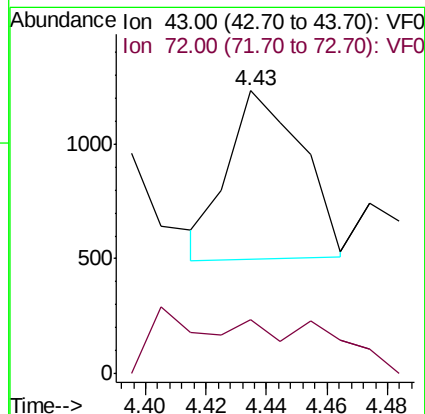
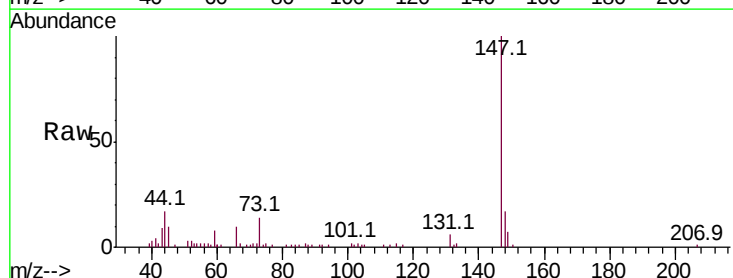
RT: 4.43 min Scan# 386

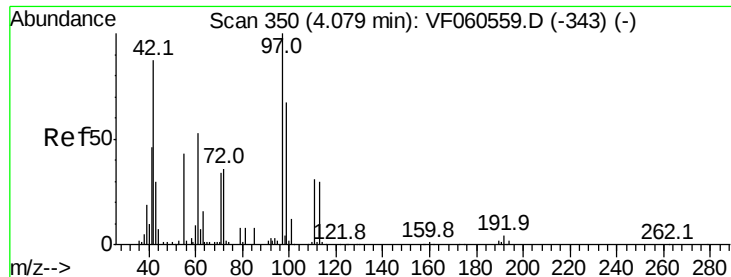
Delta R.T. 0.10 min

Lab File: VF060615.D

Acq: 6 Nov 2018 16:28

Tgt Ion:	43	Resp:	1243
Ion	Ratio	Lower	Upper
43	100		
72	19.3	16.2	24.2





#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.11 min Scan# 353

Delta R.T. 0.03 min

Lab File: VF060615.D

Acq: 6 Nov 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

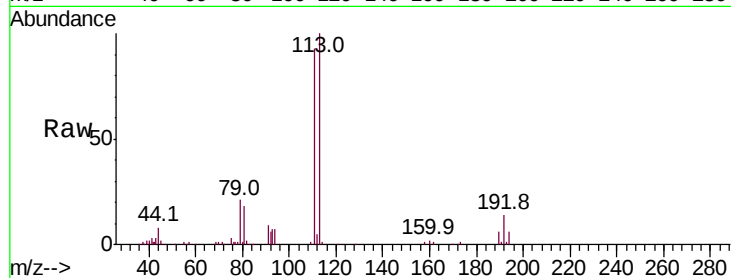
Tot Ion: 42 Resp: 749

Ion Ratio Lower Upper

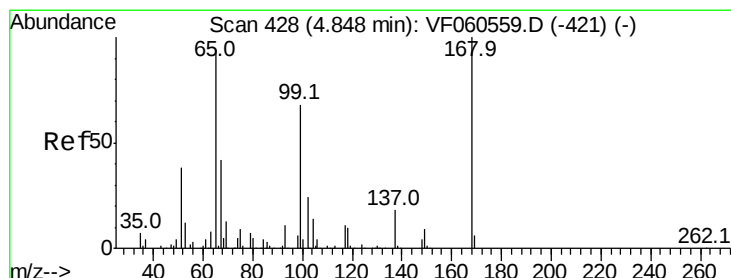
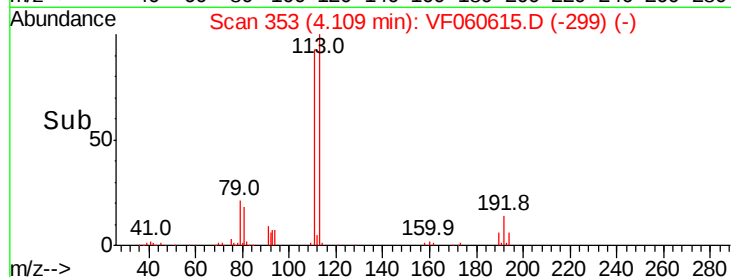
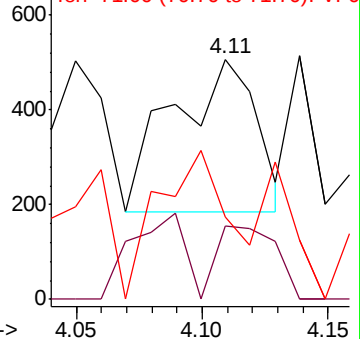
42 100

72 33.8 31.4 47.0

71 82.9 31.8 47.6#



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 46.976 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.01 min

Lab File: VF060615.D

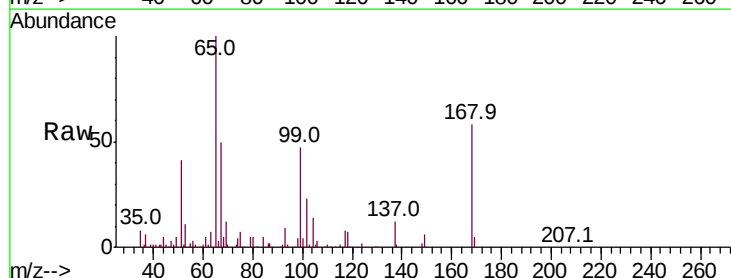
Acq: 6 Nov 2018 16:28

Tgt Ion: 65 Resp: 134003

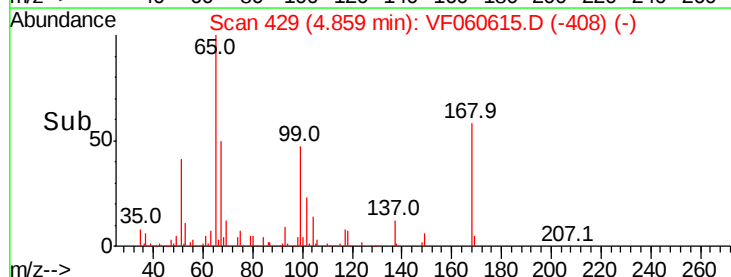
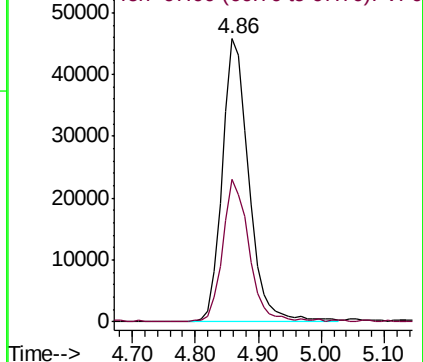
Ion Ratio Lower Upper

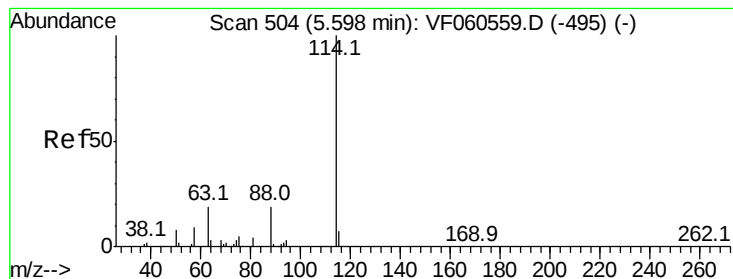
65 100

67 50.2 0.0 101.8



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 506

Delta R.T. 0.02 min

Lab File: VF060615.D

Acq: 6 Nov 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

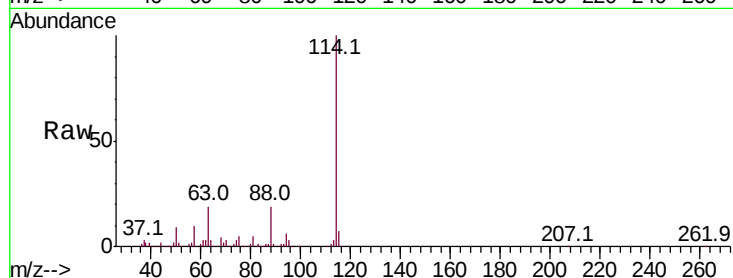
Tot Ion:114 Resp: 489617

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.0

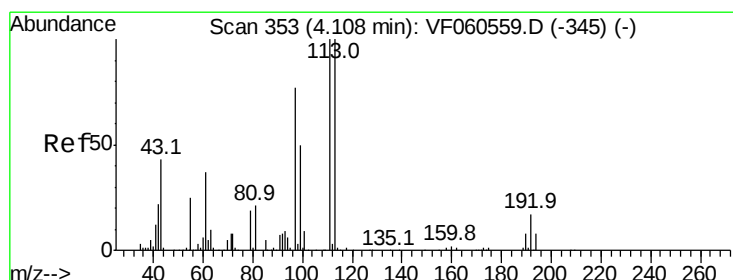
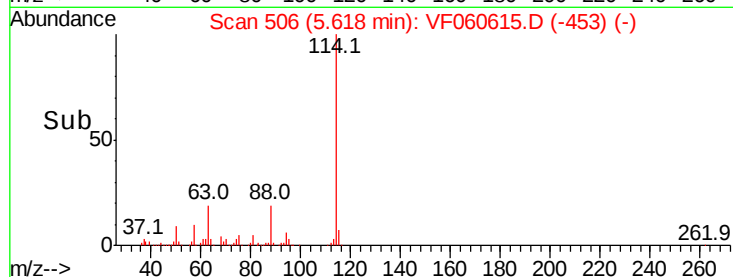
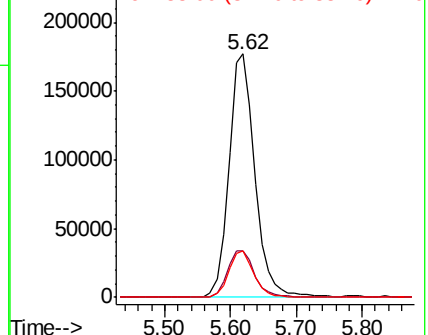
88 19.0 0.0 38.2



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: 45.500 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.02 min

Lab File: VF060615.D

Acq: 6 Nov 2018 16:28

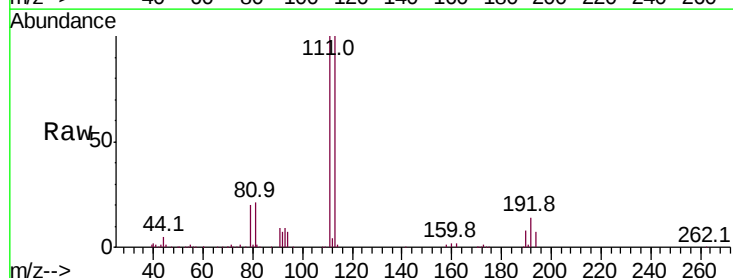
Tgt Ion:113 Resp: 172115

Ion Ratio Lower Upper

113 100

111 100.0 79.9 119.9

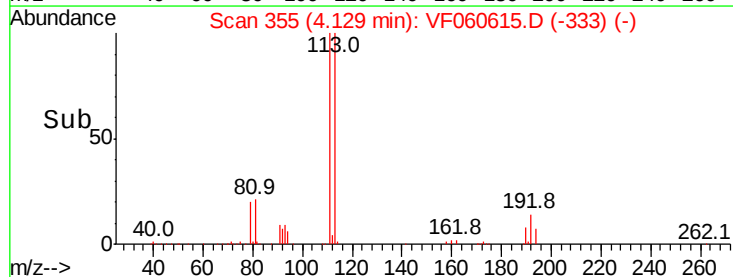
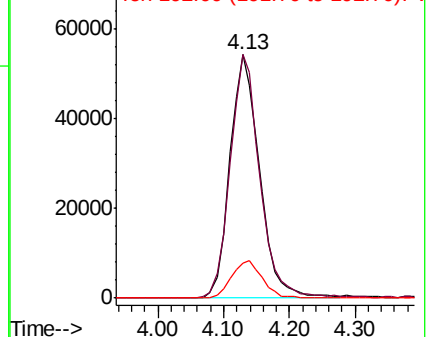
192 14.4 13.3 19.9

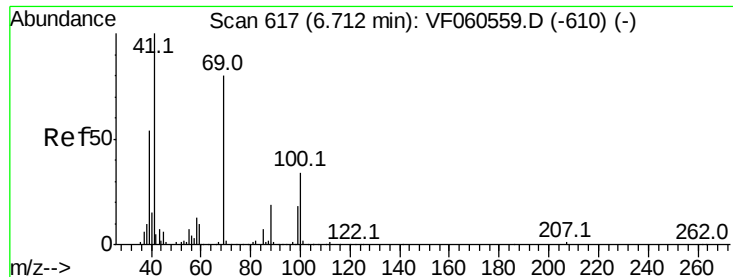


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

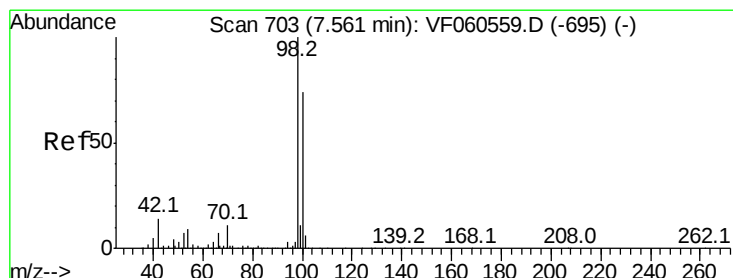
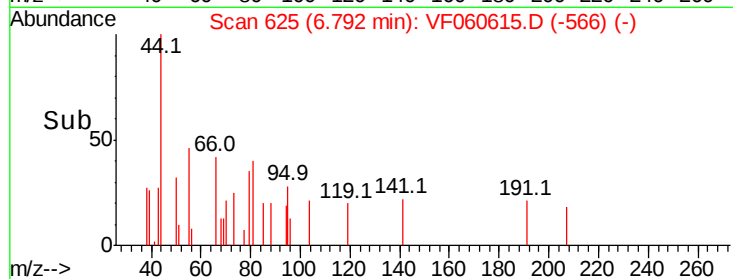
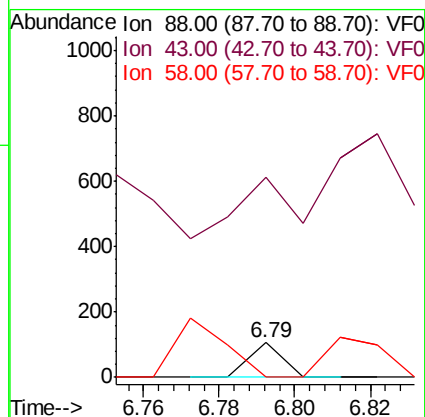
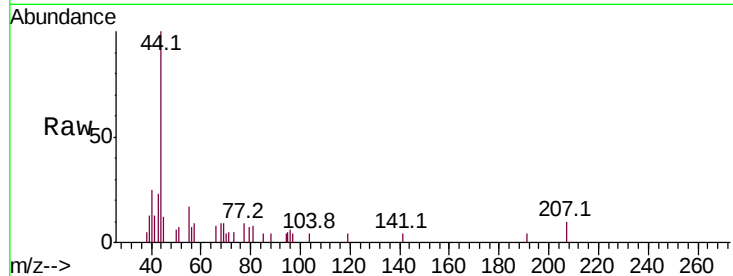




#49
1,4-Dioxane
Concen: 2.927 ug/l
RT: 6.79 min Scan# 625
Delta R.T. 0.08 min
Lab File: VF060615.D
Acq: 6 Nov 2018 16:28

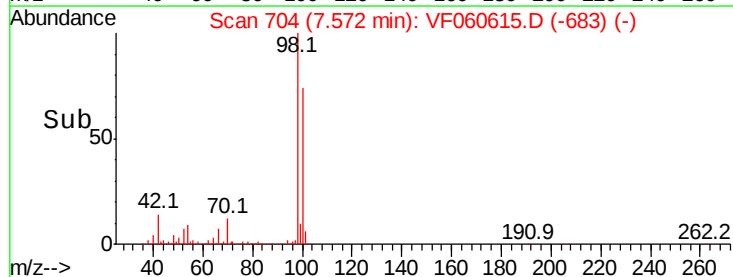
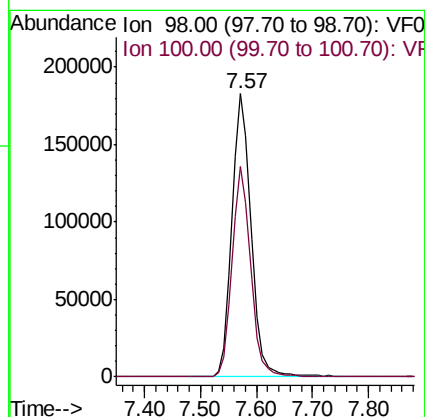
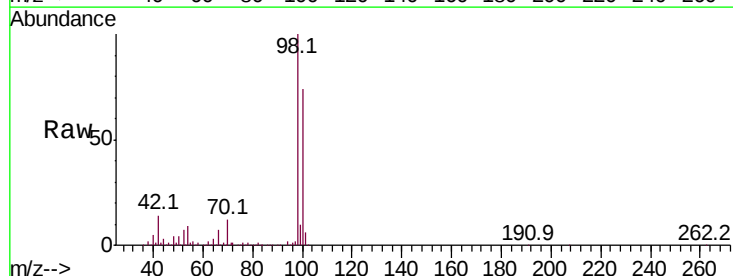
Instrument :
MSVOA_F
ClientSampled :

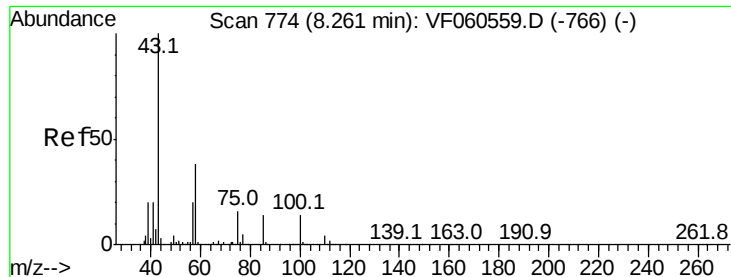
Tot Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 579.2 61.2 91.8#
58 0.0 56.9 85.3#



#50
Toluene-d8
Concen: 38.858 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.01 min
Lab File: VF060615.D
Acq: 6 Nov 2018 16:28

Tgt Ion: 98 Resp: 435431
Ion Ratio Lower Upper
98 100
100 74.4 59.4 89.2





#51

4-Methyl-2-Pentanone

Concen: 1.955 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.02 min

Lab File: VF060615.D

Acq: 6 Nov 2018 16:28

Instrument :

MSVOA_F

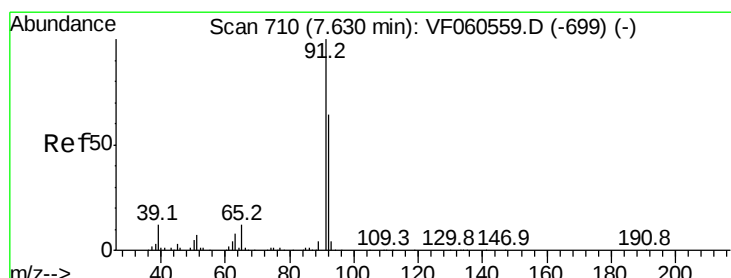
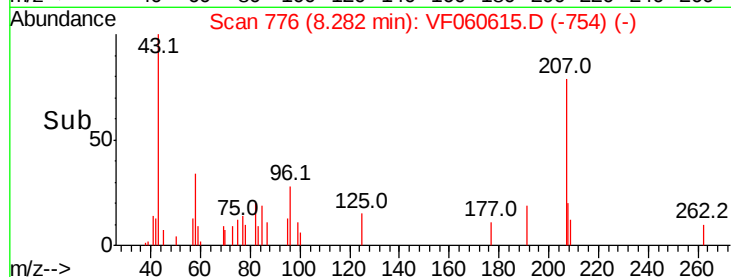
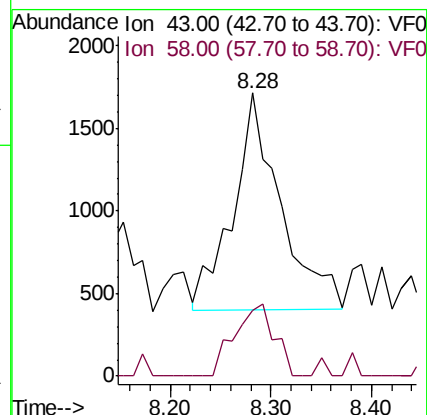
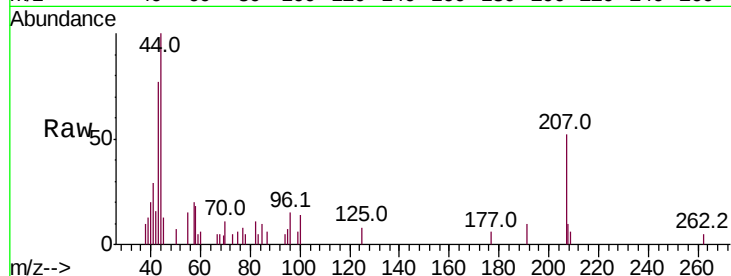
ClientSampleId :

Tot Ion: 43 Resp: 4303

Ion Ratio Lower Upper

43 100

58 23.4 30.1 45.1#



#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 7.64 min Scan# 711

Delta R.T. 0.01 min

Lab File: VF060615.D

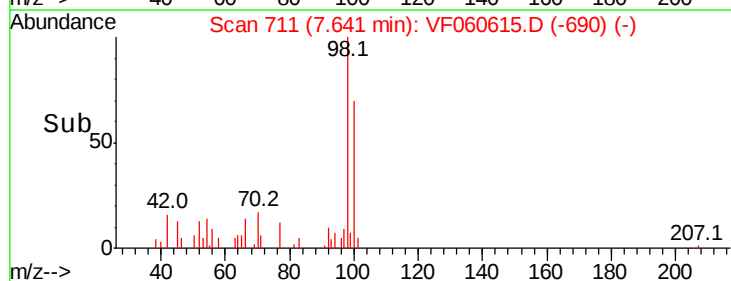
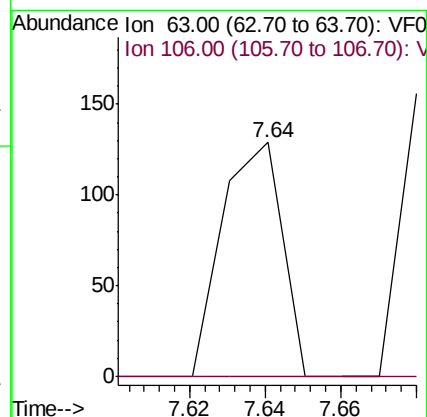
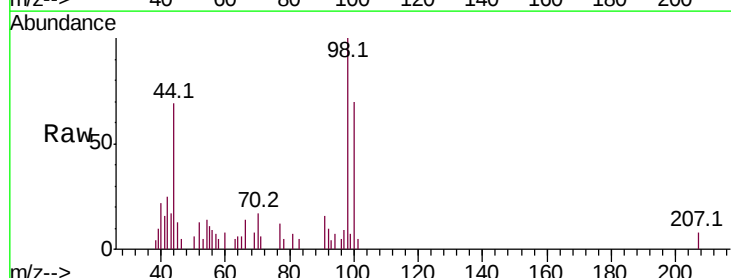
Acq: 6 Nov 2018 16:28

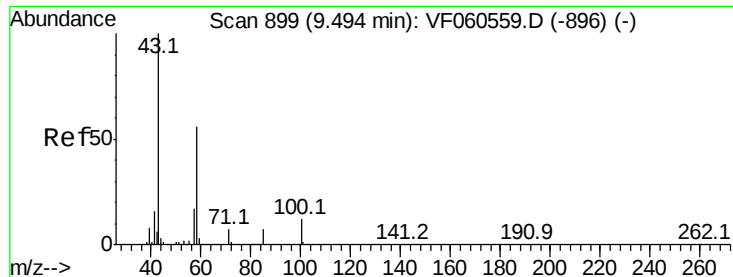
Tgt Ion: 63 Resp: 140

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

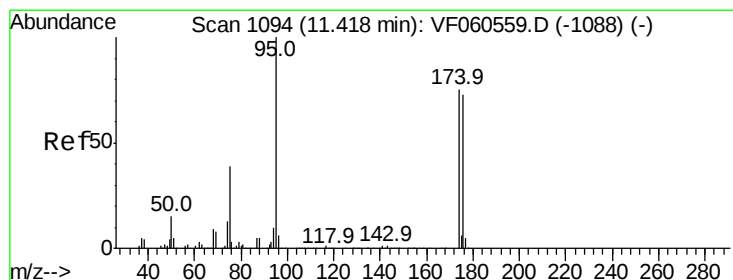
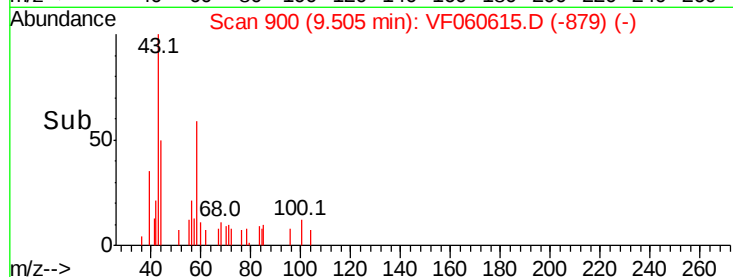
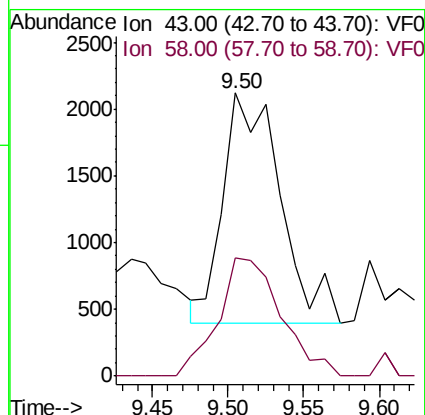
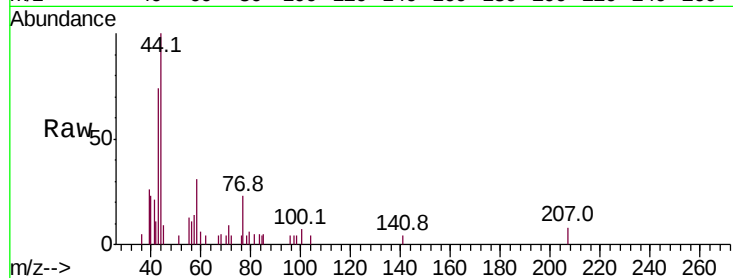




#59
2-Hexanone
Concen: Below Cal
RT: 9.50 min Scan# 900
Delta R.T. 0.01 min
Lab File: VF060615.D
Acq: 6 Nov 2018 16:28

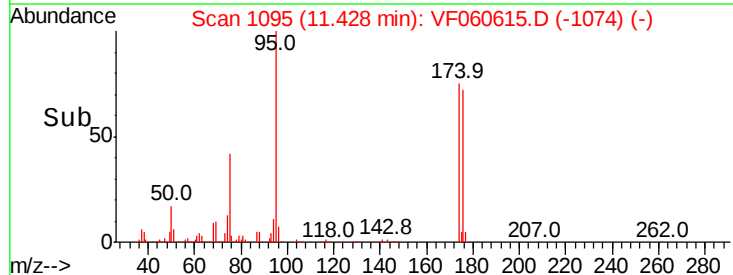
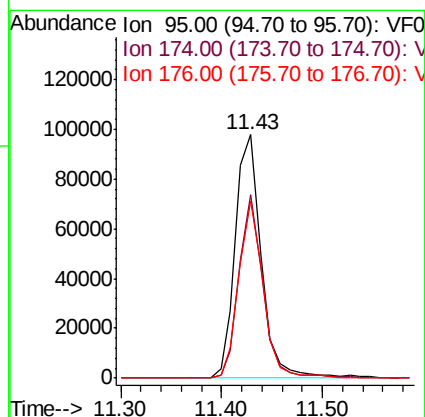
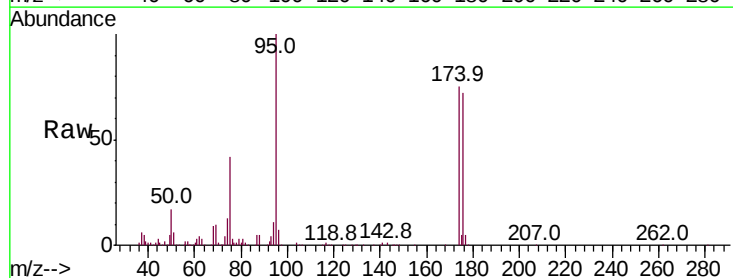
Instrument :
MSVOA_F
ClientSampled :

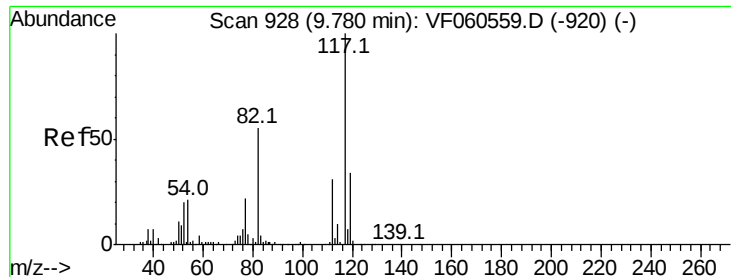
Tot Ion: 43 Resp: 4504
Ion Ratio Lower Upper
43 100
58 41.7 26.1 78.3



#62
4-Bromofluorobenzene
Concen: 35.663 ug/l
RT: 11.43 min Scan# 1095
Delta R.T. 0.01 min
Lab File: VF060615.D
Acq: 6 Nov 2018 16:28

Tgt Ion: 95 Resp: 174801
Ion Ratio Lower Upper
95 100
174 75.2 0.0 149.0
176 72.5 0.0 145.6

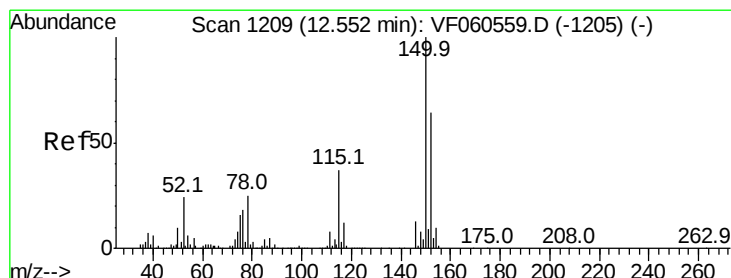
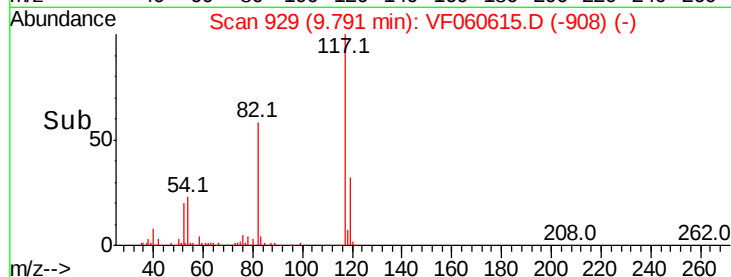
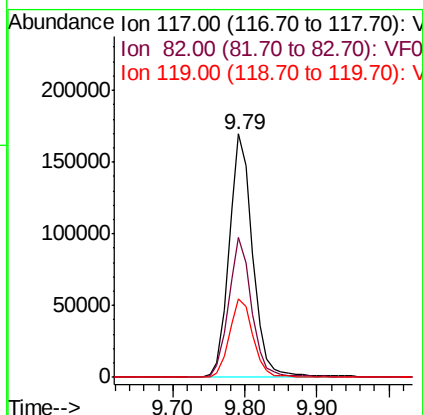
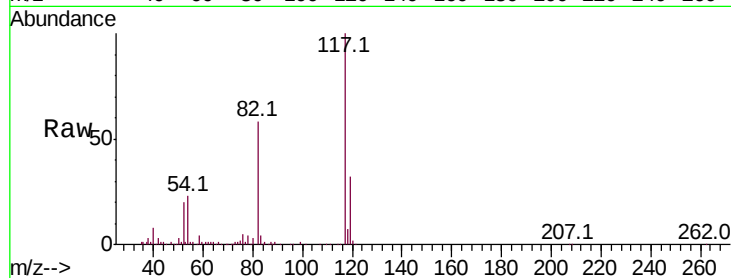




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.01 min
Lab File: VF060615.D
Acq: 6 Nov 2018 16:28

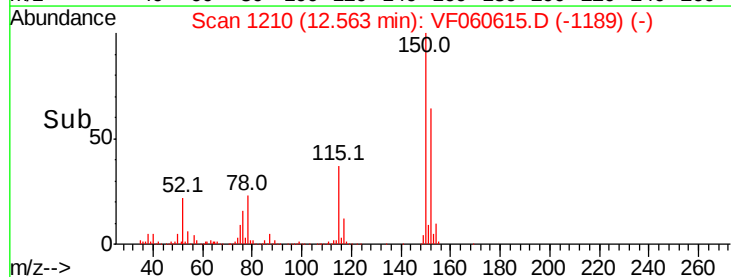
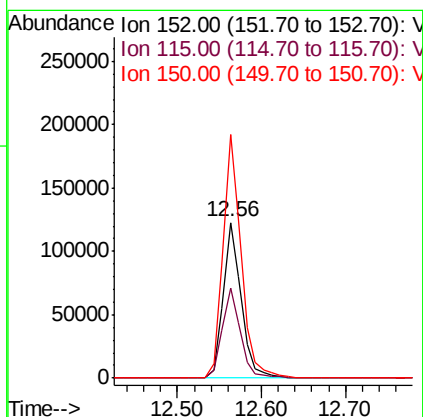
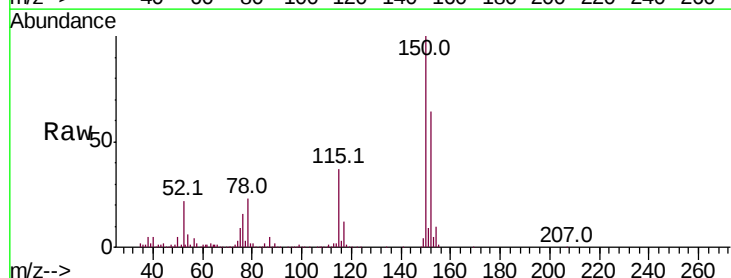
Instrument :
MSVOA_F
ClientSampled :

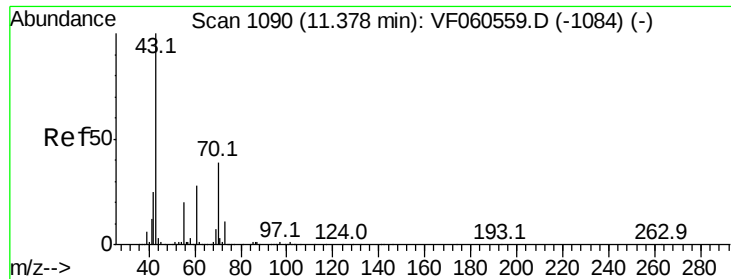
Tot Ion:117 Resp: 385018
Ion Ratio Lower Upper
117 100
82 57.6 43.9 65.9
119 32.3 27.4 41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.01 min
Lab File: VF060615.D
Acq: 6 Nov 2018 16:28

Tgt Ion:152 Resp: 183729
Ion Ratio Lower Upper
152 100
115 57.3 29.6 88.8
150 156.1 0.0 315.6





#74
 N-amvl acetate
 Concen: Below Cal
 RT: 11.39 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VF060615.D
 Acq: 6 Nov 2018 16:28

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 43 Resp: 1988
 Ion Ratio Lower Upper
 43 100
 70 23.9 30.9 46.3#
 55 25.4 16.6 24.8#
 61 19.7 22.0 33.0#

