

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110718\
 Data File : VF060626.D
 Acq On : 7 Nov 2018 13:15
 Operator : VA/AP
 Sample : VF1107SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 07 14:35:16 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	4.88	168	276342	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.61	114	476150	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.78	117	437054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	256310	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	151137	54.13	ug/l	0.00
Spiked Amount			Recovery	=	108.26%	
35) Dibromofluoromethane	4.12	113	196276	53.35	ug/l	0.01
Spiked Amount			Recovery	=	106.70%	
50) Toluene-d8	7.56	98	515208	47.28	ug/l	0.00
Spiked Amount			Recovery	=	94.56%	
62) 4-Bromofluorobenzene	11.42	95	265550	55.71	ug/l	0.00
Spiked Amount			Recovery	=	111.42%	

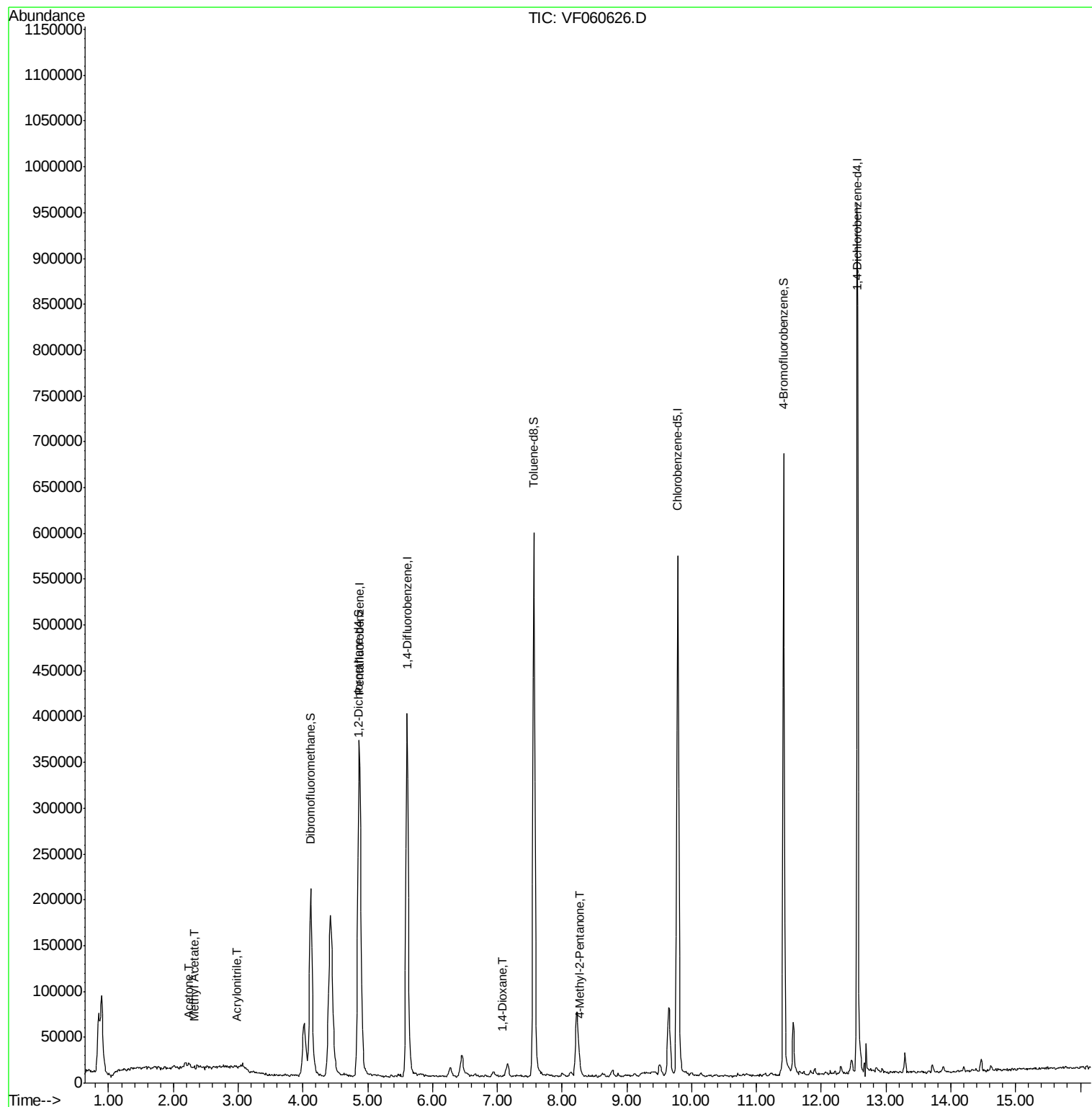
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	982	Below Cal		100
6) Chloroethane	1.37	64	60	Below Cal	#	1
11) Tert butyl alcohol	2.60	59	672	Below Cal	#	1
13) Acrolein	1.93	56	247	Below Cal		99
15) Acrylonitrile	2.97	53	1232	3.702	ug/l #	68
16) Acetone	2.25	43	3165	4.811	ug/l	96
18) Methyl Acetate	2.32	43	1016	1.464	ug/l #	81
20) Methylene Chloride	2.19	84	2492	Below Cal	#	82
25) 2-Butanone	4.43	43	16034	Below Cal	#	49
29) Tetrahydrofuran	4.08	42	1243	Below Cal	#	64
49) 1,4-Dioxane	7.08	88	74	3.536	ug/l #	1
51) 4-Methyl-2-Pentanone	8.28	43	8583	4.009	ug/l #	79
58) 2-Chloroethyl Vinyl ether	7.63	63	85	Below Cal		100
59) 2-Hexanone	9.51	43	10028	Below Cal		98
74) N-amyl acetate	11.38	43	5556	Below Cal	#	81
89) n-Butylbenzene	12.85	91	1999	Below Cal		89

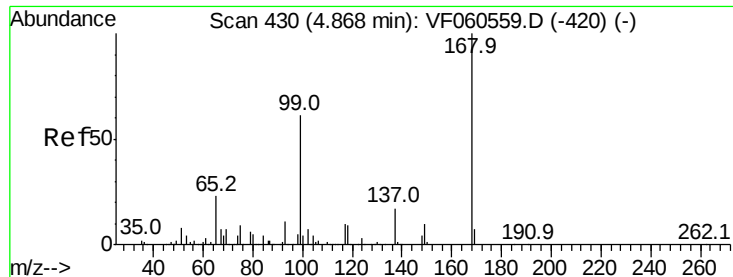
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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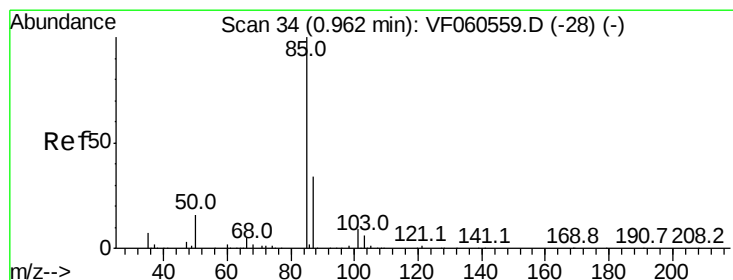
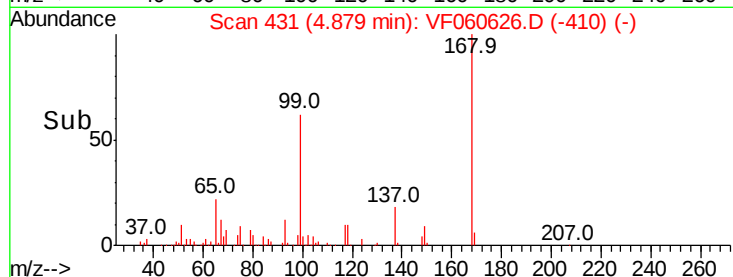
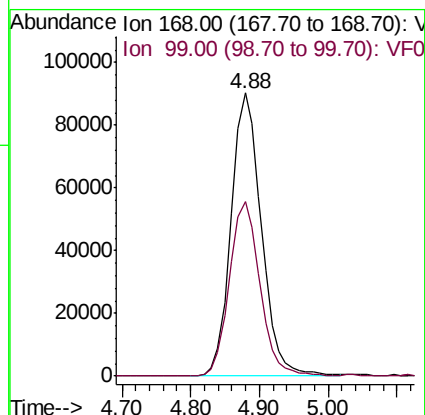
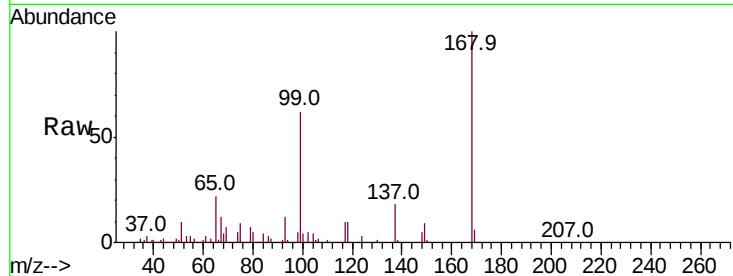


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 4.88 min Scan# 431
 Delta R.T. 0.01 min
 Lab File: VF060626.D
 Acq: 7 Nov 2018 13:15

Instrument :
 MSVOA_F
 ClientSampleId :

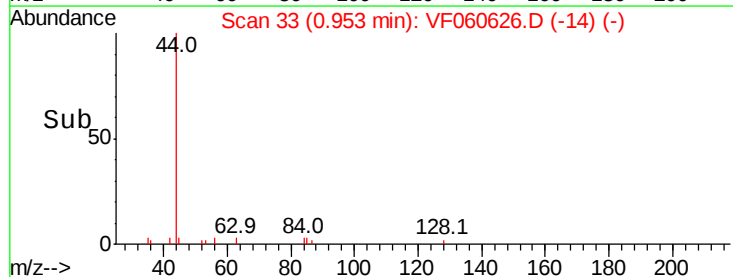
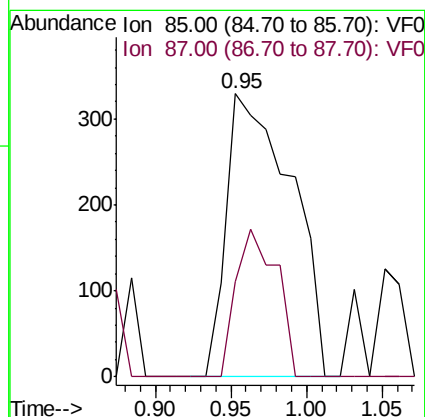
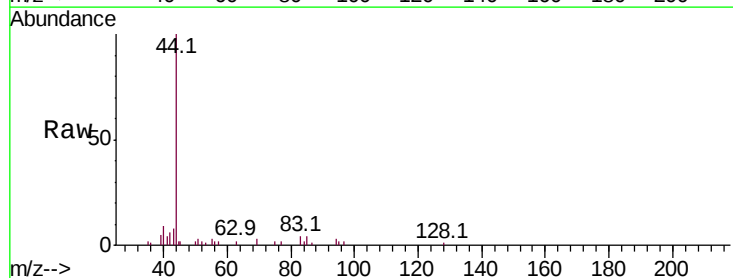
Tot Ion:168 Resp: 276342
 Ion Ratio Lower Upper
 168 100
 99 61.7 48.6 72.8

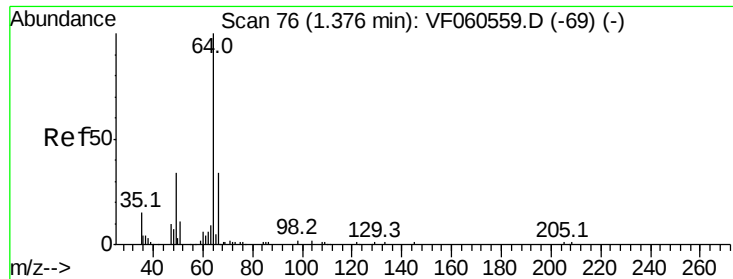


#2

Dichlorodifluoromethane
 Concen: Below Cal
 RT: 0.95 min Scan# 33
 Delta R.T. -0.01 min
 Lab File: VF060626.D
 Acq: 7 Nov 2018 13:15

Tgt Ion: 85 Resp: 982
 Ion Ratio Lower Upper
 85 100
 87 33.7 16.9 50.7





#6

Chloroethane

Concen: Below Cal

RT: 1.37 min Scan# 75

Delta R.T. -0.01 min

Lab File: VF060626.D

Acq: 7 Nov 2018 13:15

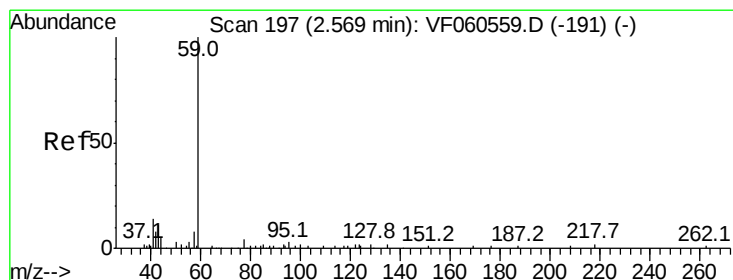
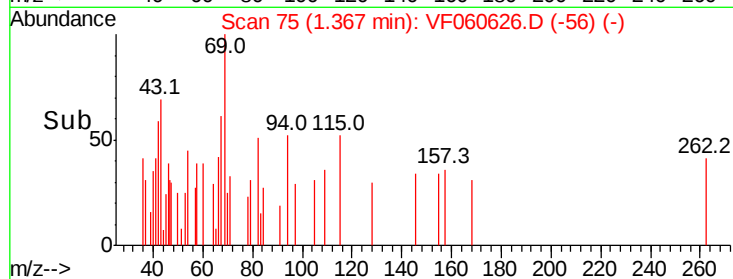
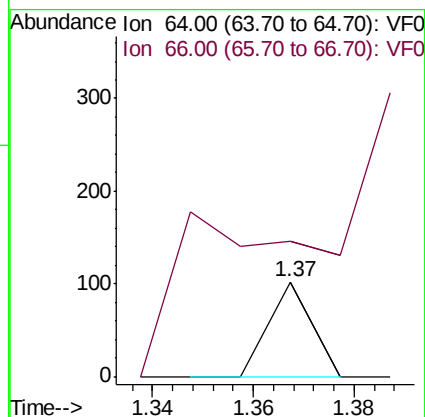
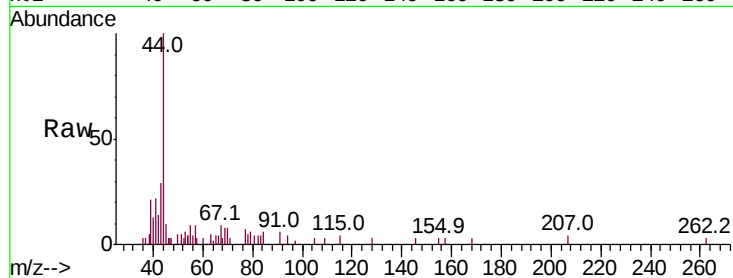
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 64 Resp: 60

Ion Ratio Lower Upper

64 100

66 143.1 27.8 41.8#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.60 min Scan# 200

Delta R.T. 0.03 min

Lab File: VF060626.D

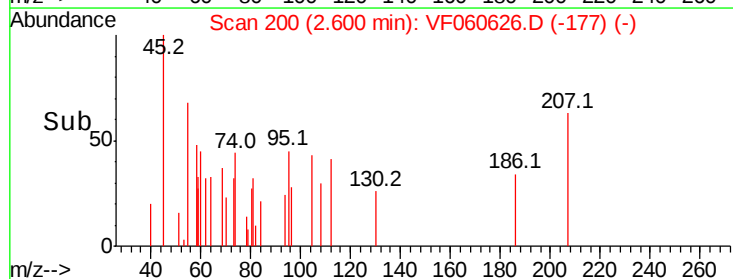
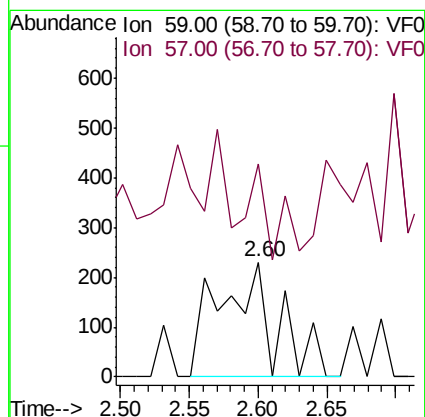
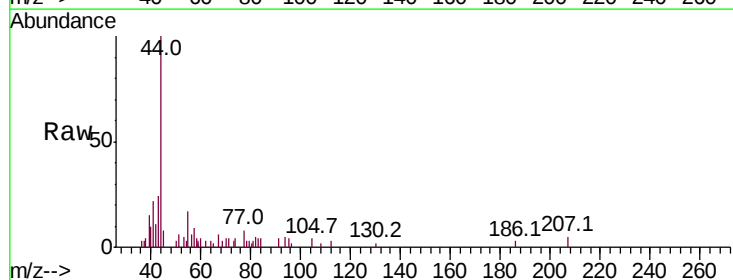
Acq: 7 Nov 2018 13:15

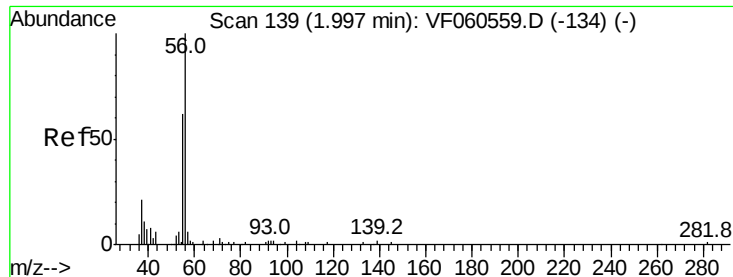
Tgt Ion: 59 Resp: 672

Ion Ratio Lower Upper

59 100

57 184.8 19.0 28.4#





#13

Acrolein

Concen: Below Cal

RT: 1.93 min Scan# 132

Delta R.T. -0.07 min

Lab File: VF060626.D

Acq: 7 Nov 2018 13:15

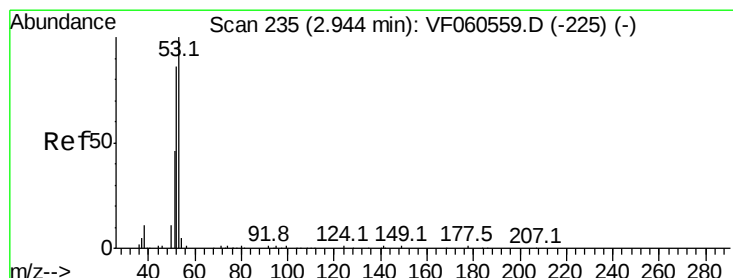
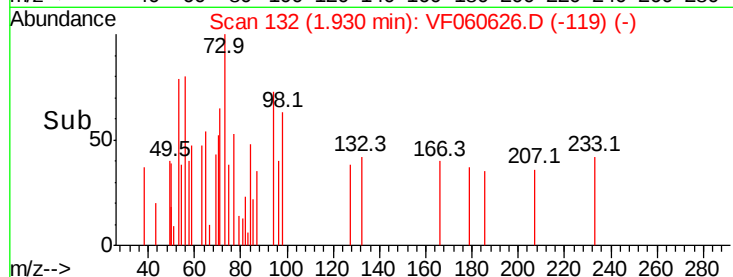
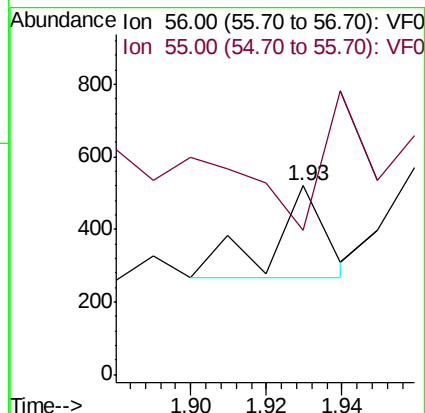
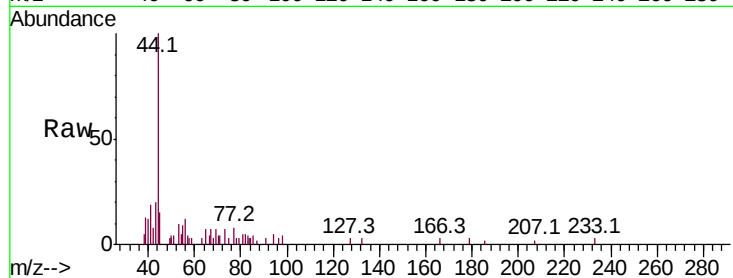
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 247

Ion Ratio Lower Upper

56 100

55 76.2 61.8 92.6



#15

Acrylonitrile

Concen: 3.702 ug/l

RT: 2.97 min Scan# 237

Delta R.T. 0.02 min

Lab File: VF060626.D

Acq: 7 Nov 2018 13:15

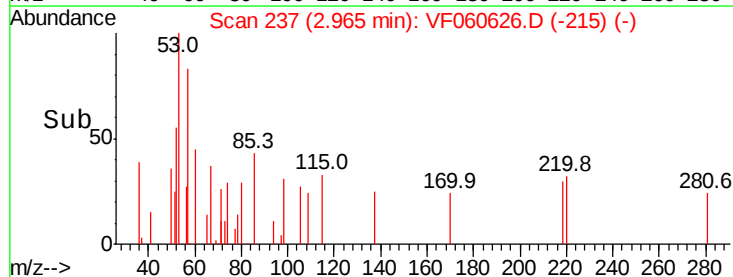
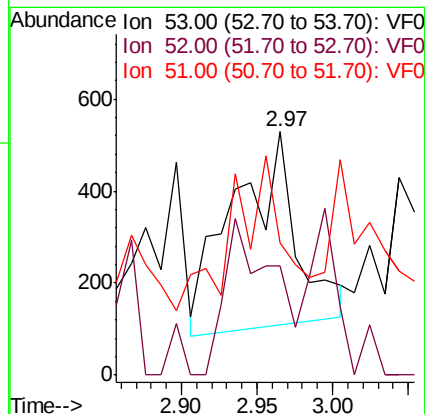
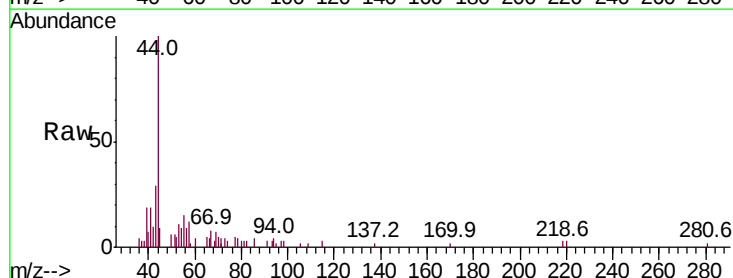
Tgt Ion: 53 Resp: 1232

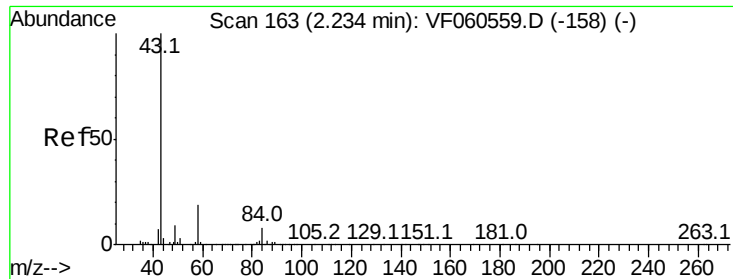
Ion Ratio Lower Upper

53 100

52 44.8 68.5 102.7#

51 54.3 38.2 57.2





#16

Acetone

Concen: 4.811 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF060626.D

Acq: 7 Nov 2018 13:15

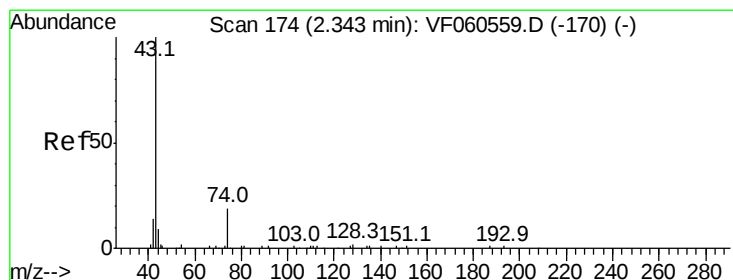
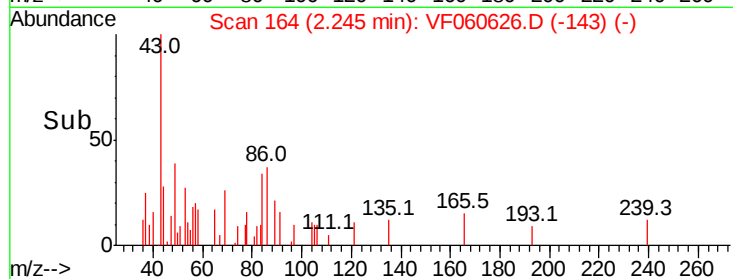
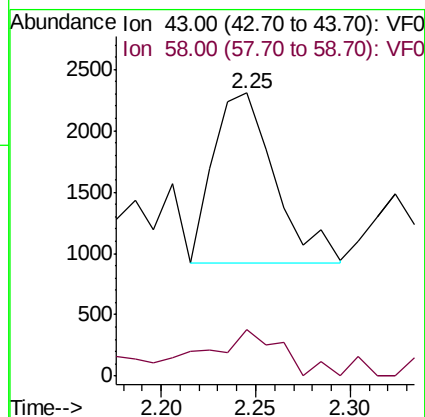
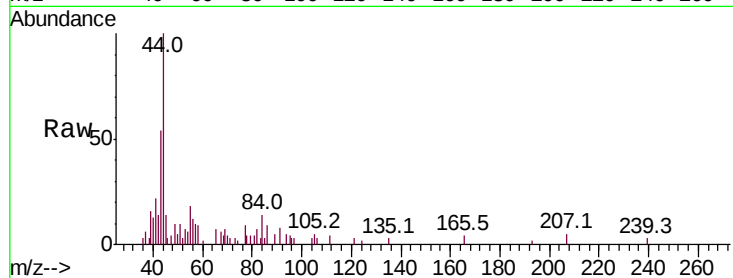
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 3165

Ion Ratio Lower Upper

43 100

58 16.5 14.6 22.0



#18

Methyl Acetate

Concen: 1.464 ug/l

RT: 2.32 min Scan# 172

Delta R.T. -0.02 min

Lab File: VF060626.D

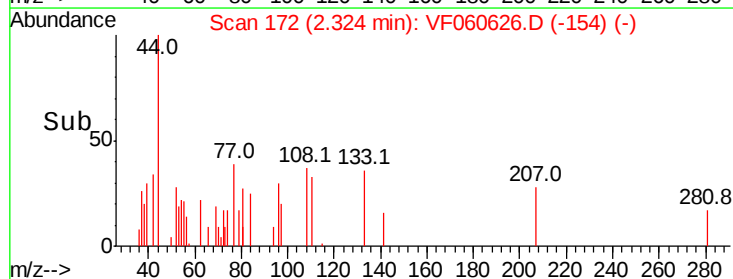
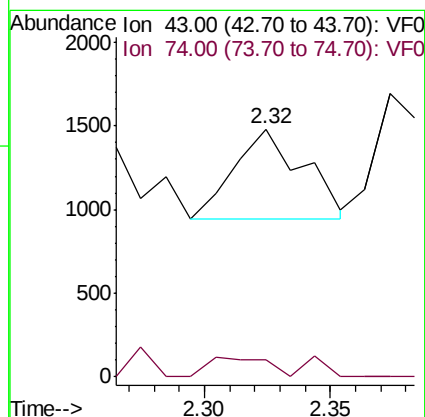
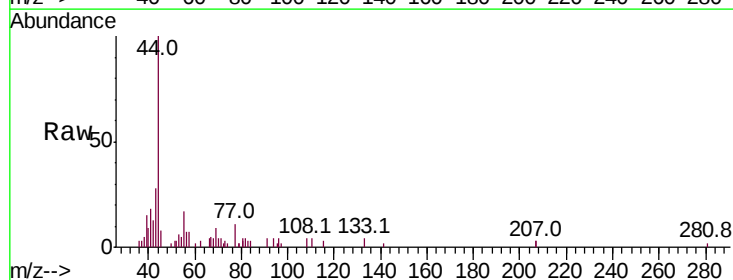
Acq: 7 Nov 2018 13:15

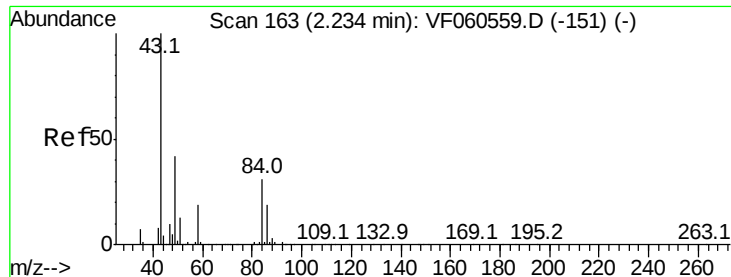
Tgt Ion: 43 Resp: 1016

Ion Ratio Lower Upper

43 100

74 7.1 12.1 18.1#

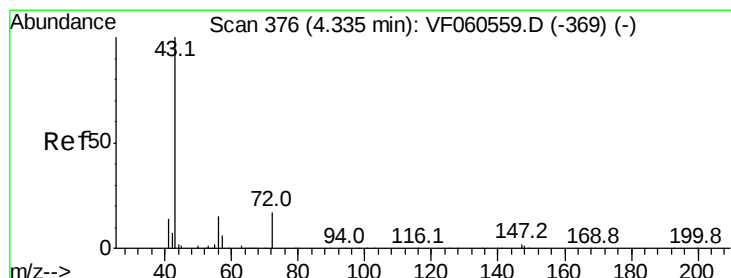
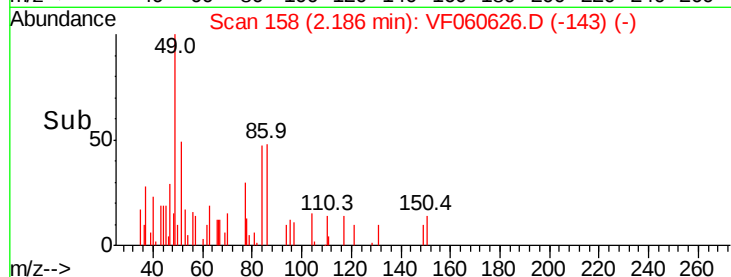
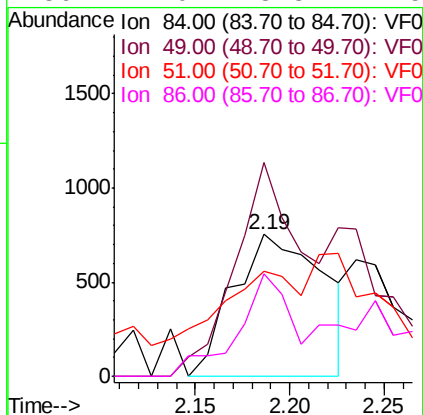
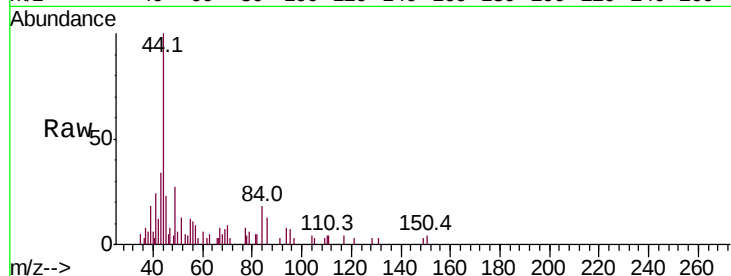




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.19 min Scan# 158
Delta R.T. -0.05 min
Lab File: VF060626.D
Acq: 7 Nov 2018 13:15

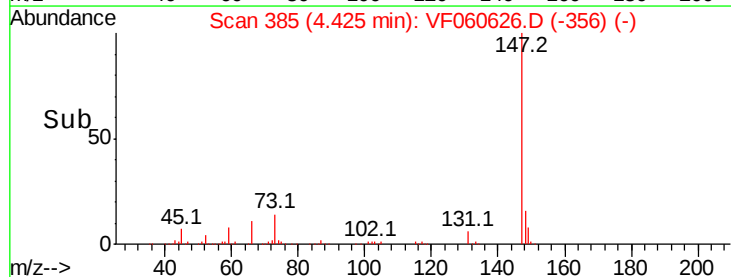
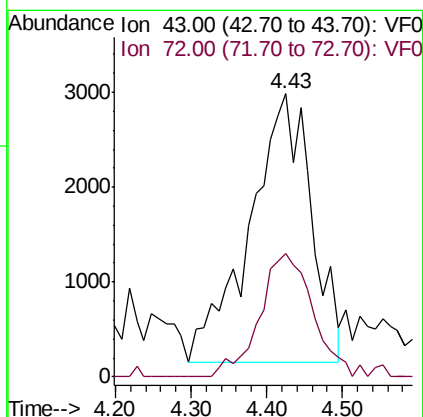
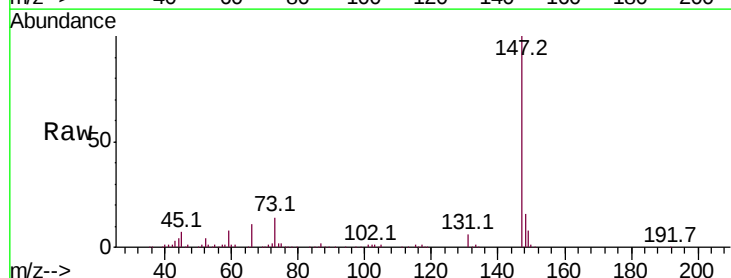
Instrument :
MSVOA_F
ClientSampleId :

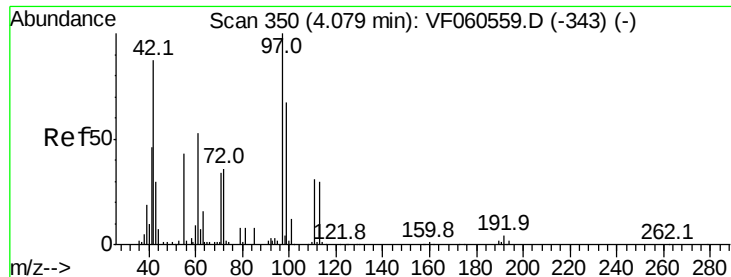
Tot Ion: 84 Resp: 2492
Ion Ratio Lower Upper
84 100
49 150.5 109.9 164.9
51 74.4 35.8 53.8#
86 72.0 48.3 72.5



#25
2-Butanone
Concen: Below Cal
RT: 4.43 min Scan# 385
Delta R.T. 0.09 min
Lab File: VF060626.D
Acq: 7 Nov 2018 13:15

Tgt Ion: 43 Resp: 16034
Ion Ratio Lower Upper
43 100
72 43.6 16.2 24.2#





#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.08 min Scan# 350

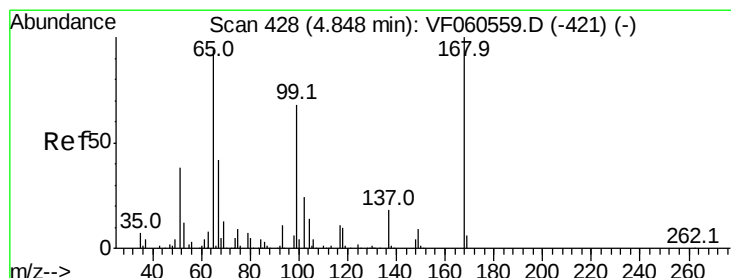
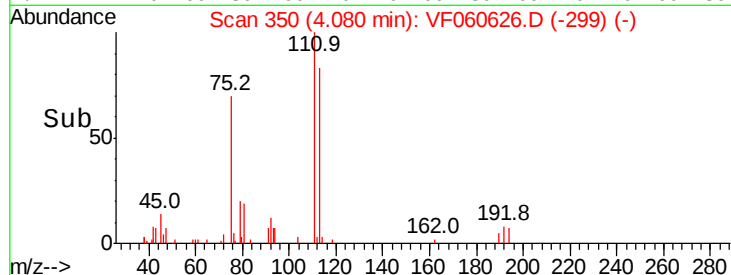
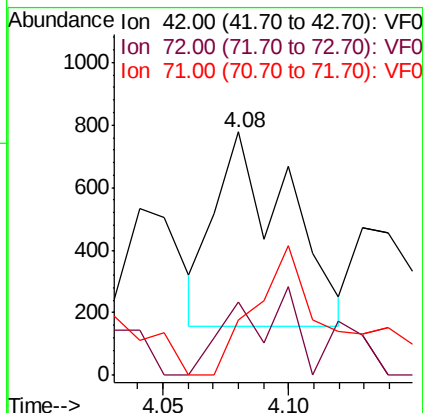
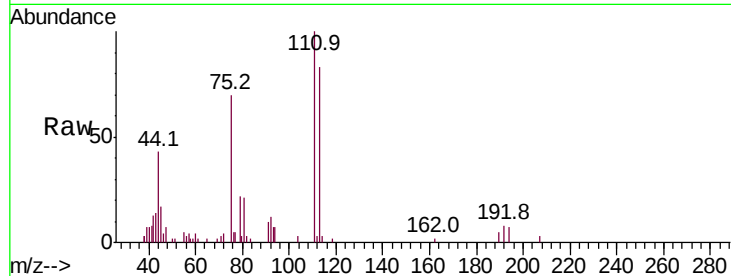
Delta R.T. 0.00 min

Lab File: VF060626.D

Acq: 7 Nov 2018 13:15

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 42 Resp: 1243
Ion Ratio Lower Upper
42 100
72 49.6 31.4 47.0#
71 73.0 31.8 47.6#



#33

1,2-Dichloroethane-d4

Concen: 54.131 ug/l

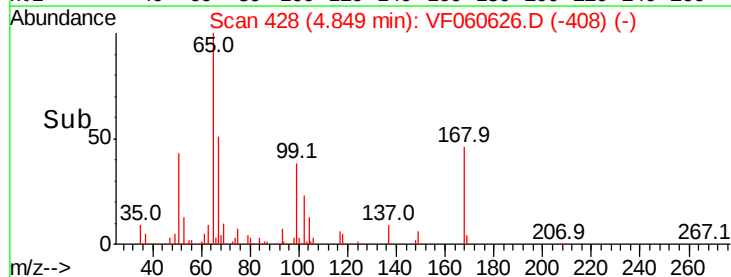
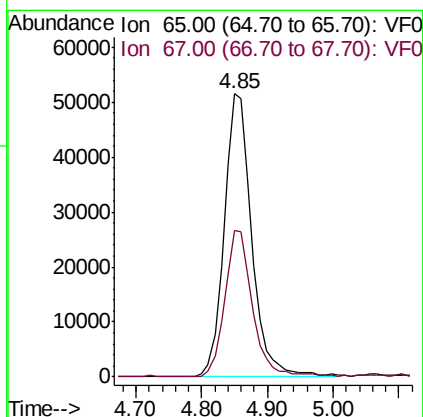
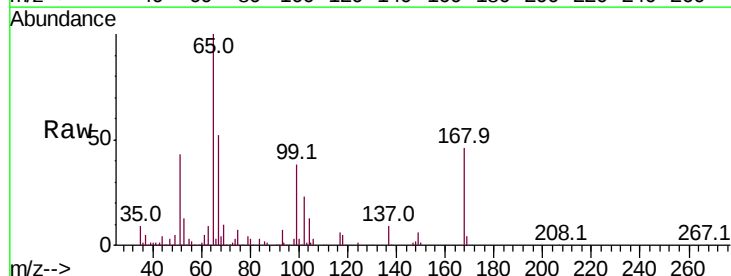
RT: 4.85 min Scan# 428

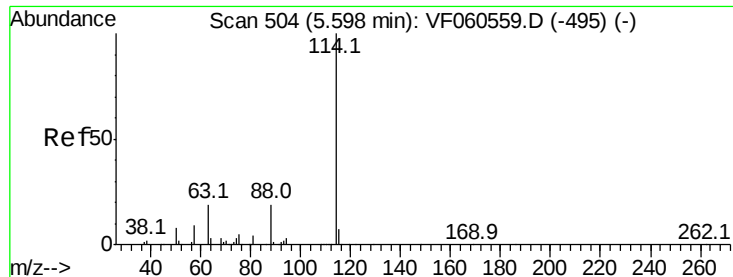
Delta R.T. 0.00 min

Lab File: VF060626.D

Acq: 7 Nov 2018 13:15

Tgt Ion: 65 Resp: 151137
Ion Ratio Lower Upper
65 100
67 51.5 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.01 min

Lab File: VF060626.D

Acq: 7 Nov 2018 13:15

Instrument :

MSVOA_F

ClientSampleId :

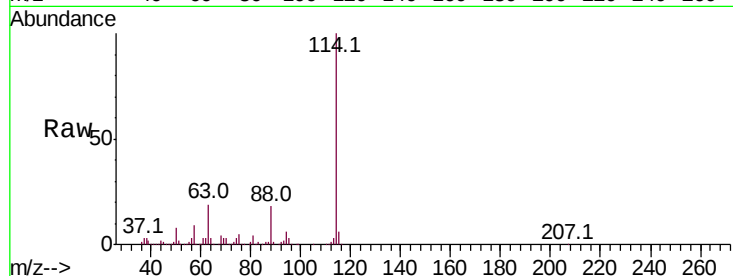
Tot Ion:114 Resp: 476150

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.0

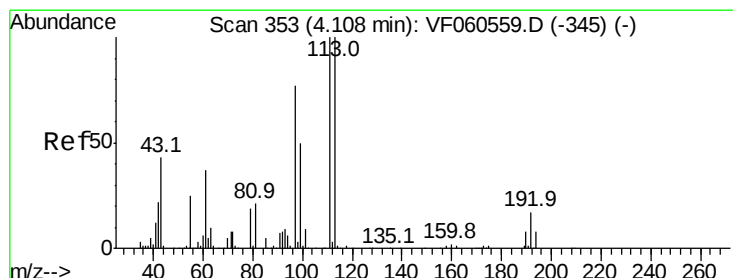
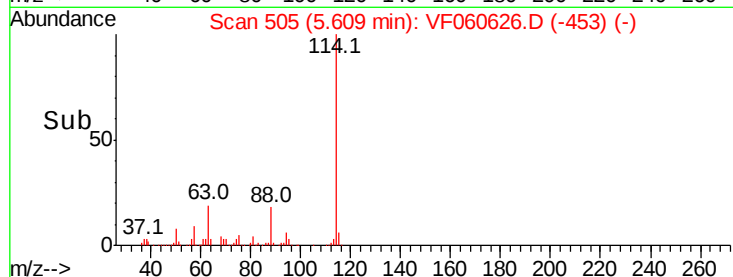
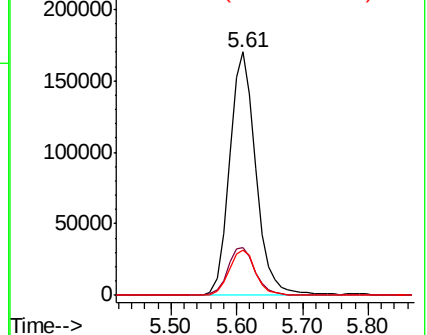
88 18.4 0.0 38.2



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: 53.354 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF060626.D

Acq: 7 Nov 2018 13:15

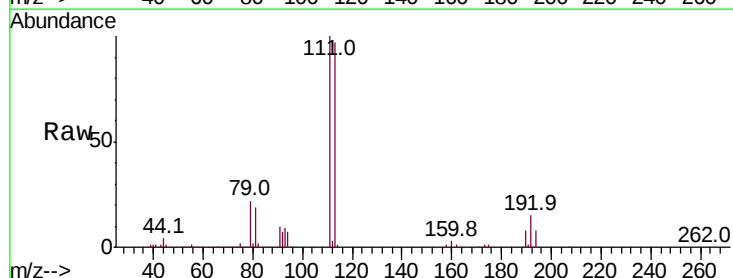
Tgt Ion:113 Resp: 196276

Ion Ratio Lower Upper

113 100

111 102.8 79.9 119.9

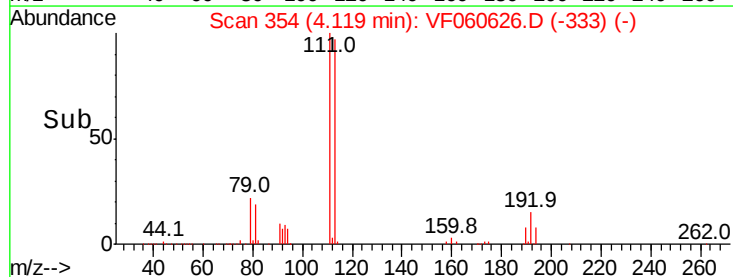
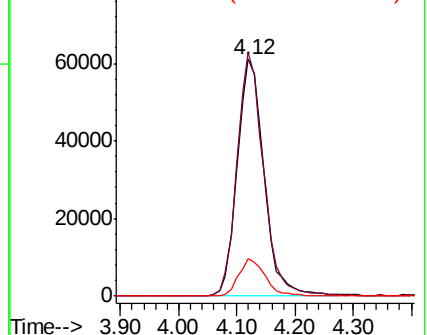
192 16.3 13.3 19.9

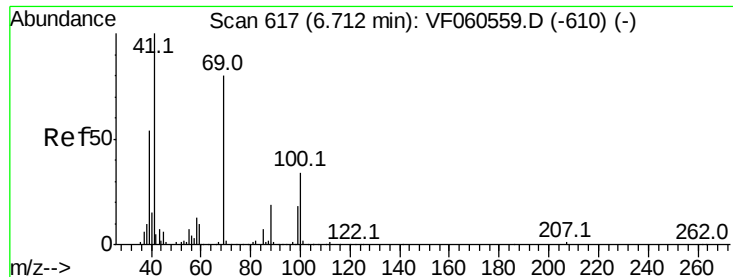


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 3.536 ug/l

RT: 7.08 min Scan# 654

Delta R.T. 0.37 min

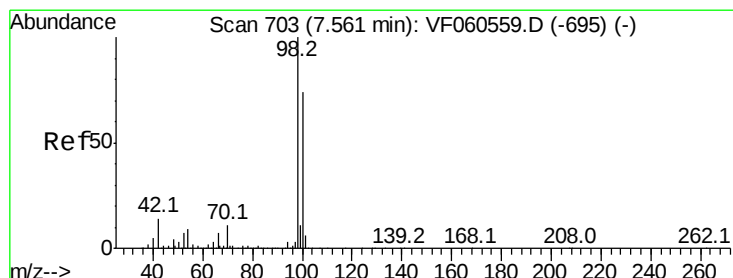
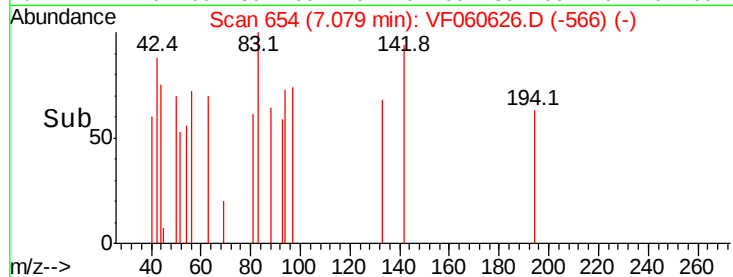
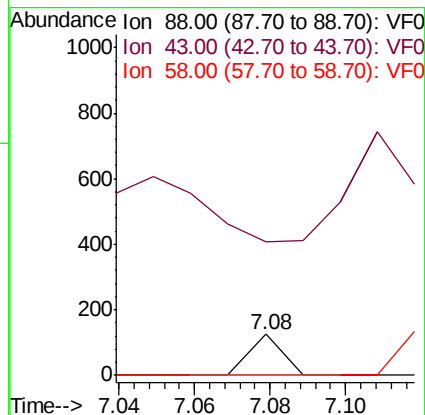
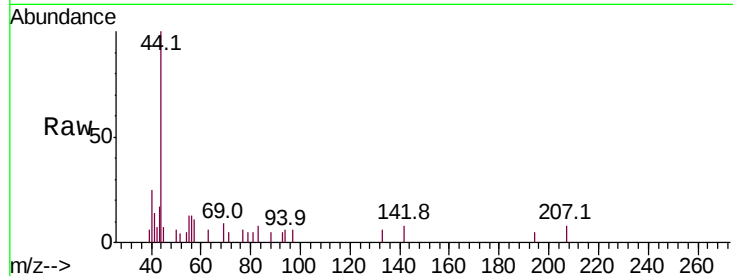
Lab File: VF060626.D

Acq: 7 Nov 2018 13:15

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 88 Resp: 74

Ion	Ratio	Lower	Upper
88	100		
43	325.6	61.2	91.8#
58	0.0	56.9	85.3#



#50

Toluene-d8

Concen: 47.278 ug/l

RT: 7.56 min Scan# 703

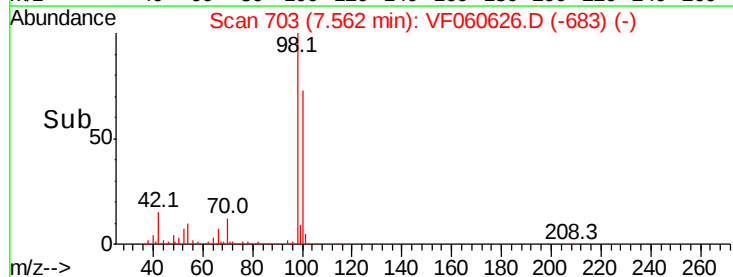
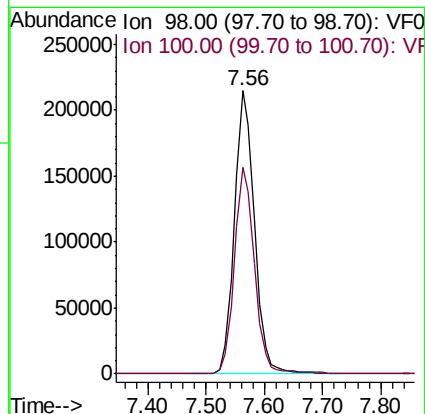
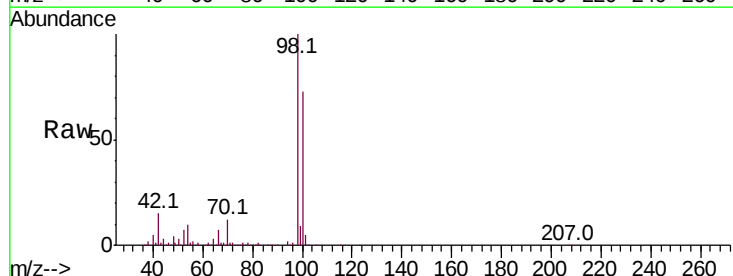
Delta R.T. 0.00 min

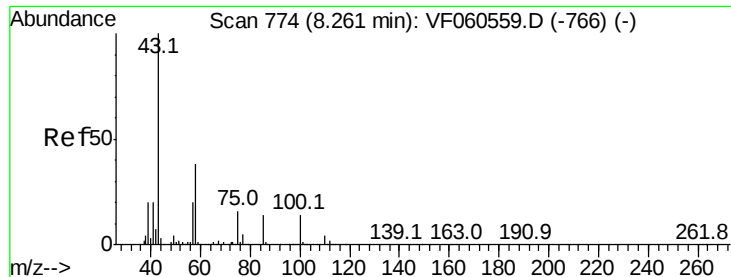
Lab File: VF060626.D

Acq: 7 Nov 2018 13:15

Tgt Ion: 98 Resp: 515208

Ion	Ratio	Lower	Upper
98	100		
100	73.1	59.4	89.2





#51

4-Methyl-2-Pentanone

Concen: 4.009 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.02 min

Lab File: VF060626.D

Acq: 7 Nov 2018 13:15

Instrument :

MSVOA_F

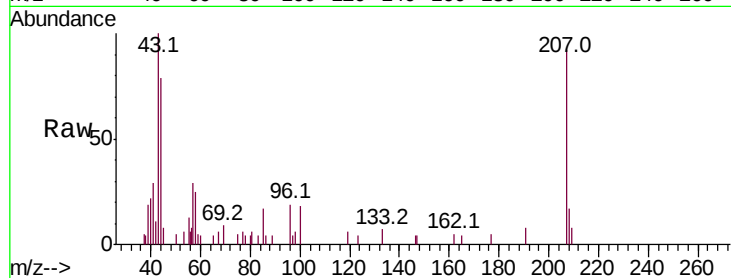
ClientSampleId :

Tot Ion: 43 Resp: 8583

Ion Ratio Lower Upper

43 100

58 25.0 30.1 45.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.28

3000

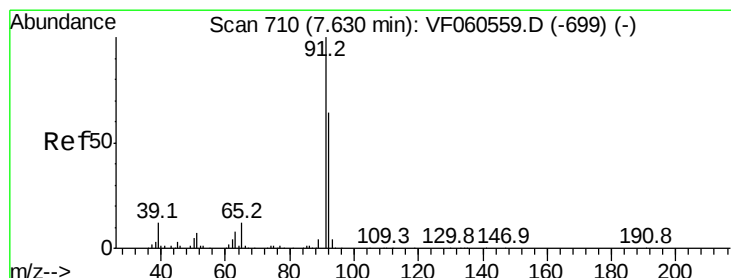
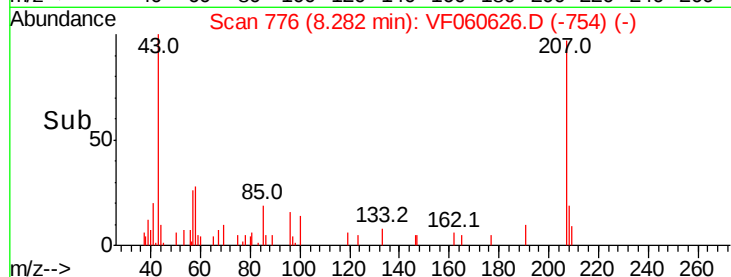
2000

1000

0

8.20 8.30 8.40

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF060626.D

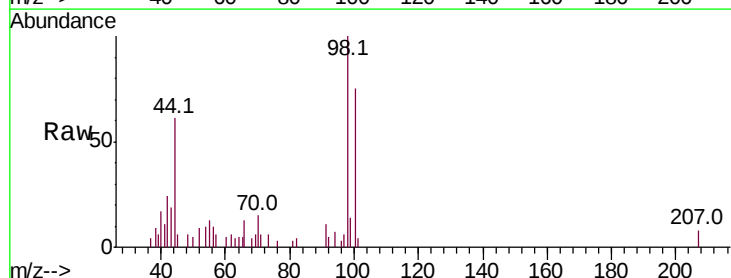
Acq: 7 Nov 2018 13:15

Tgt Ion: 63 Resp: 85

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

7.63

150

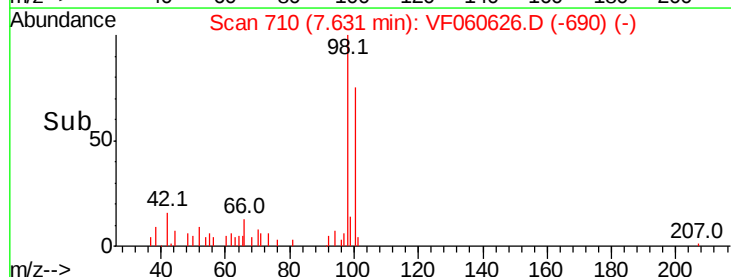
100

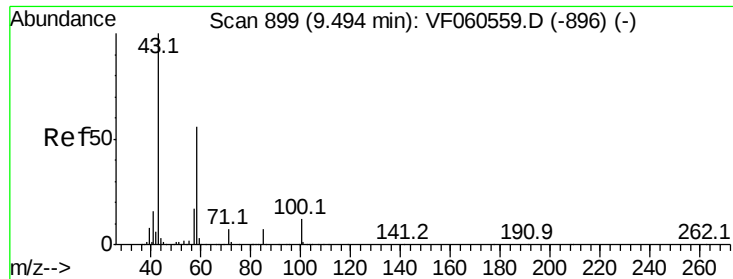
50

0

7.60 7.62 7.64 7.66

Time-->

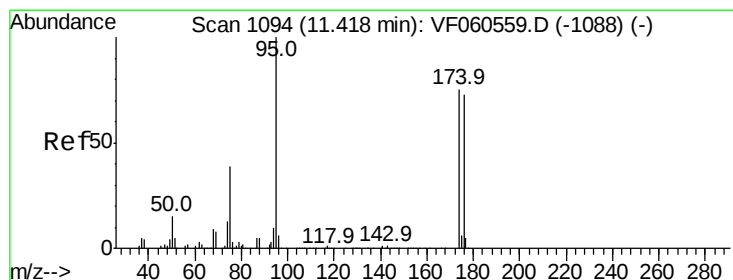
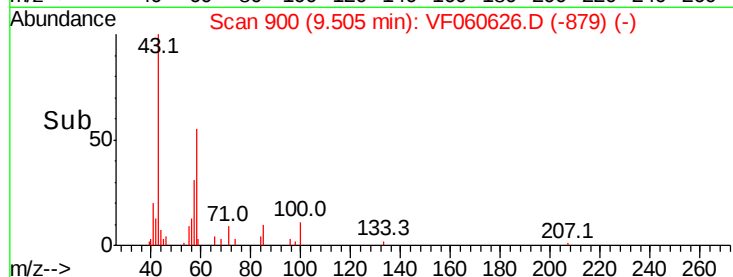
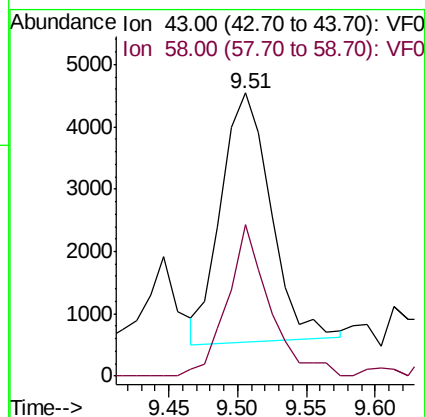
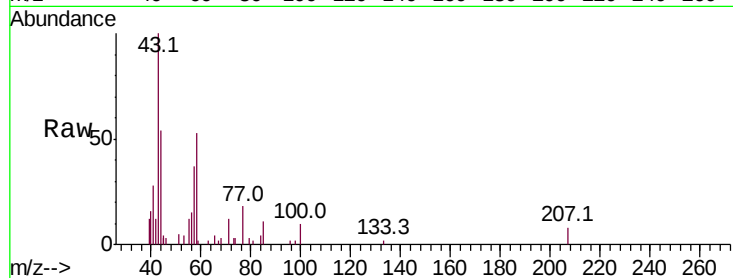




#59
2-Hexanone
Concen: Below Cal
RT: 9.51 min Scan# 900
Delta R.T. 0.01 min
Lab File: VF060626.D
Acq: 7 Nov 2018 13:15

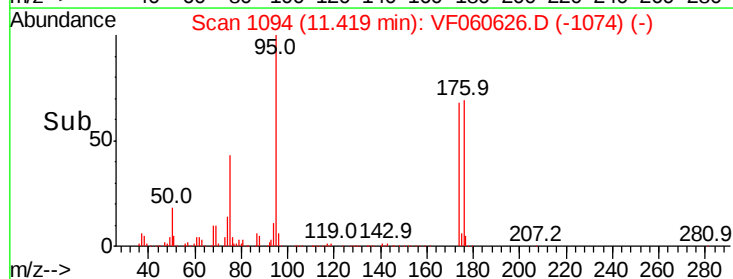
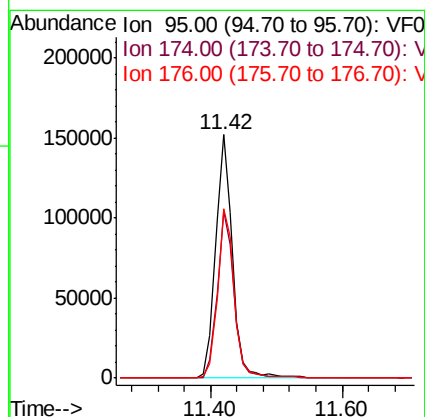
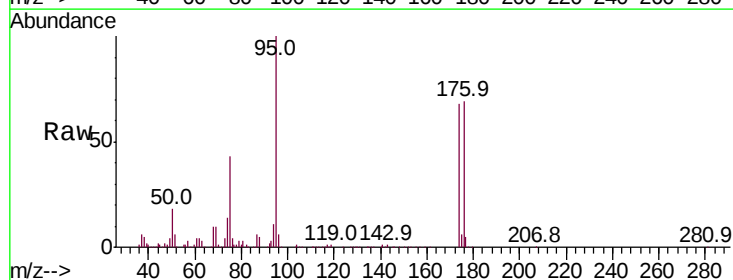
Instrument :
MSVOA_F
ClientSampleId :

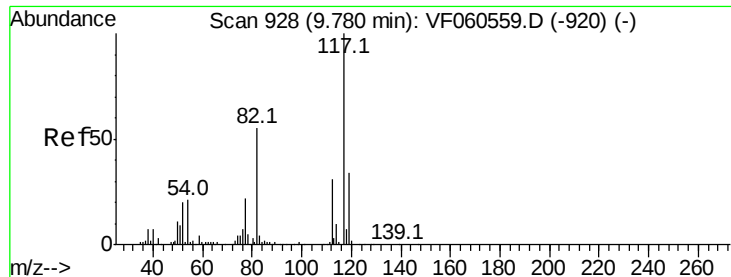
Tot Ion: 43 Resp: 10028
Ion Ratio Lower Upper
43 100
58 53.4 26.1 78.3



#62
4-Bromofluorobenzene
Concen: 55.709 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VF060626.D
Acq: 7 Nov 2018 13:15

Tgt Ion: 95 Resp: 265550
Ion Ratio Lower Upper
95 100
174 68.3 0.0 149.0
176 69.4 0.0 145.6

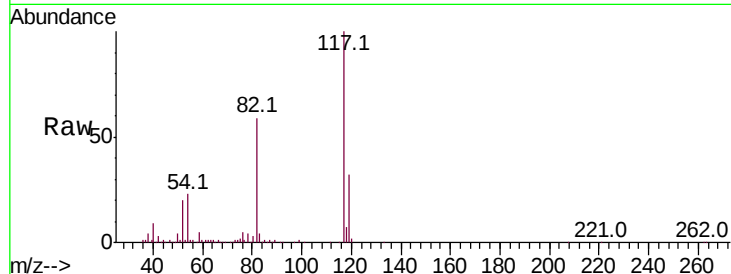




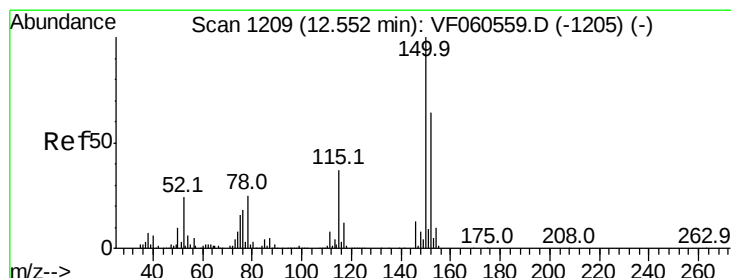
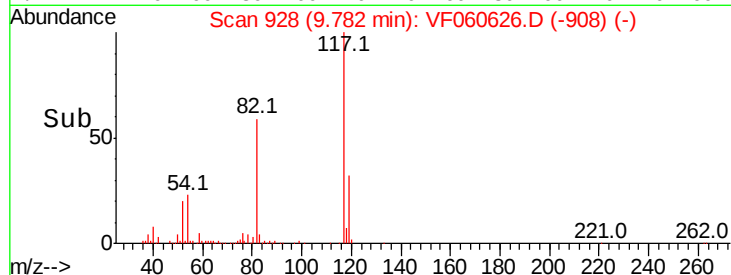
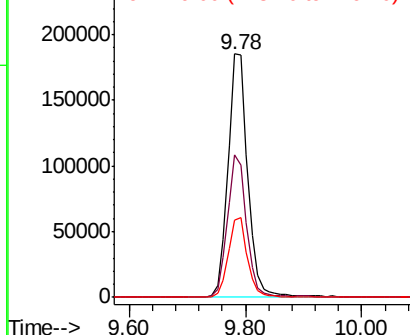
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.00 min
Lab File: VF060626.D
Acq: 7 Nov 2018 13:15

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 437054
Ion Ratio Lower Upper
117 100
82 58.7 43.9 65.9
119 31.8 27.4 41.0

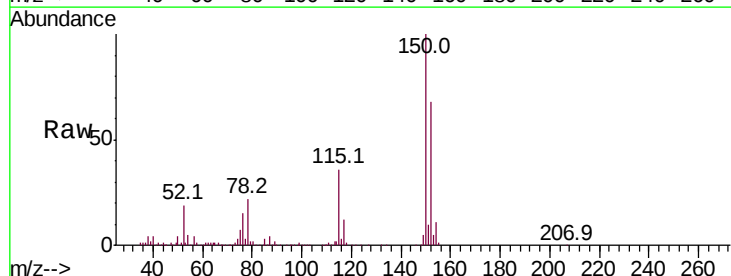


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

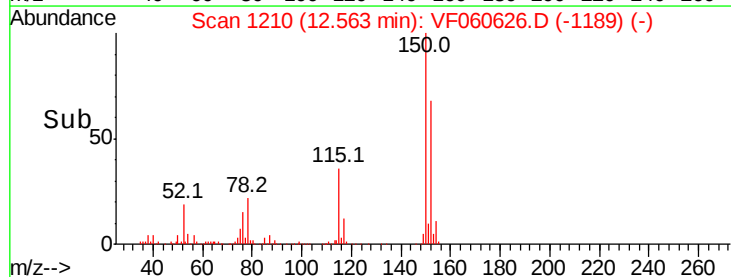
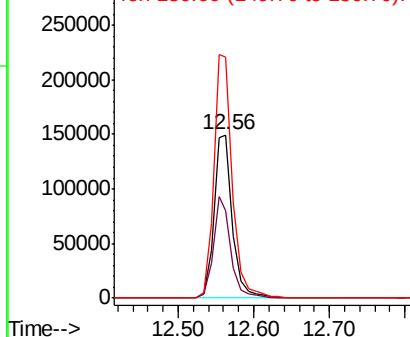


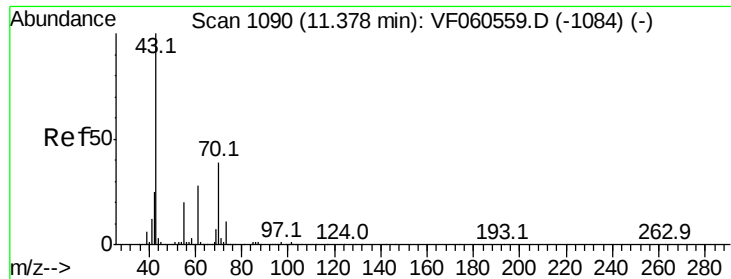
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.01 min
Lab File: VF060626.D
Acq: 7 Nov 2018 13:15

Tgt Ion:152 Resp: 256310
Ion Ratio Lower Upper
152 100
115 53.5 29.6 88.8
150 147.4 0.0 315.6



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#74
 N-amvl acetate
 Concen: Below Cal
 RT: 11.38 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VF060626.D
 Acq: 7 Nov 2018 13:15

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 43 Resp: 5556
 Ion Ratio Lower Upper
 43 100
 70 25.2 30.9 46.3#
 55 26.3 16.6 24.8#
 61 17.9 22.0 33.0#

