

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110618\
 Data File : VF060619.D
 Acq On : 6 Nov 2018 18:23
 Operator : VA/AP
 Sample : J5767-07RE
 Misc : 6.45u/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 06 17:44:31 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	267646	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.62	114	456933	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.80	117	334171	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	119340	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	147091	54.39	ug/l	0.01
Spiked Amount			Recovery	=	108.78%	
35) Dibromofluoromethane	4.13	113	178586	50.59	ug/l	0.02
Spiked Amount			Recovery	=	101.18%	
50) Toluene-d8	7.57	98	427095	40.84	ug/l	0.01
Spiked Amount			Recovery	=	81.68%	
62) 4-Bromofluorobenzene	11.43	95	150336	32.87	ug/l	0.01
Spiked Amount			Recovery	=	65.74%	

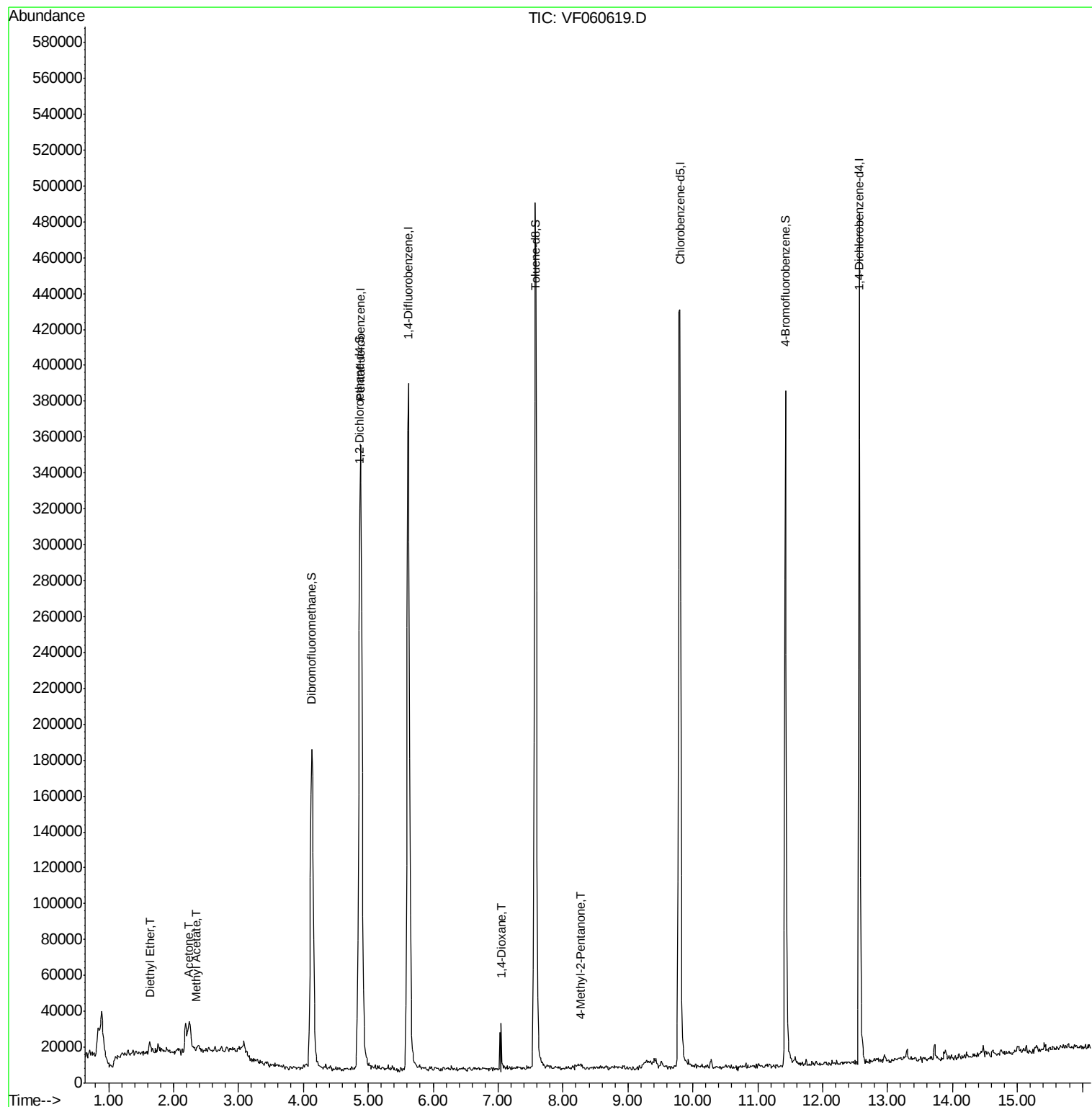
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	859	Below Cal	#	41
6) Chloroethane	1.34	64	67	Below Cal	#	1
8) Diethyl Ether	1.63	74	2321	3.100	ug/l	53
11) Tert butyl alcohol	2.57	59	349	Below Cal	#	1
13) Acrolein	1.99	56	214	Below Cal	#	1
16) Acetone	2.24	43	5746	9.017	ug/l	97
18) Methyl Acetate	2.35	43	2605	3.086	ug/l #	91
20) Methylene Chloride	2.19	84	7652	Below Cal		94
25) 2-Butanone	4.35	43	1290	Below Cal	#	80
29) Tetrahydrofuran	4.11	42	594	Below Cal	#	66
49) 1,4-Dioxane	7.05	88	70	3.485	ug/l #	1
51) 4-Methyl-2-Pentanone	8.28	43	4503	2.192	ug/l #	77
58) 2-Chloroethyl Vinyl ether	7.56	63	368	Below Cal		100
59) 2-Hexanone	9.51	43	2554	Below Cal		99
74) N-amyl acetate	11.40	43	389	Below Cal	#	81
89) n-Butylbenzene	12.86	91	808	Below Cal		83

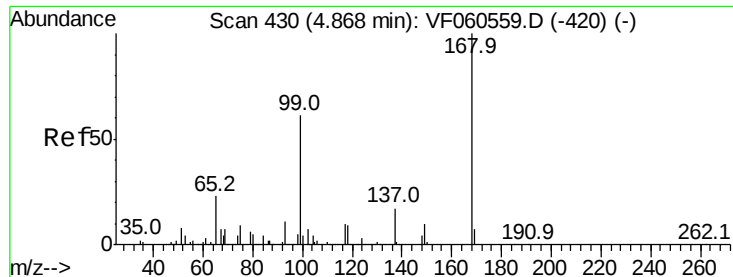
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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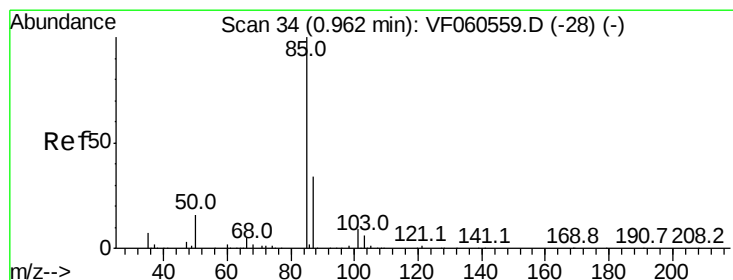
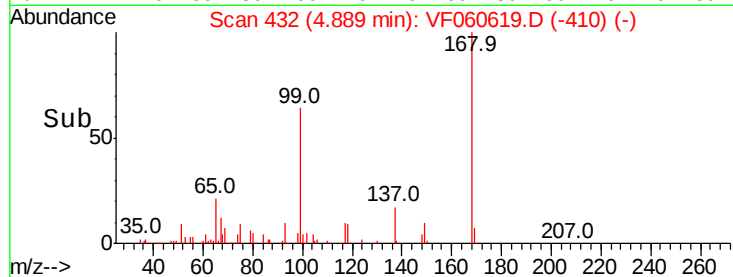
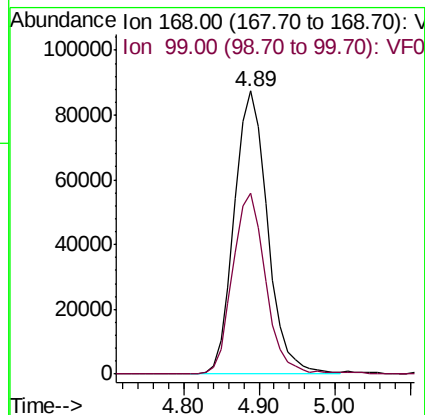
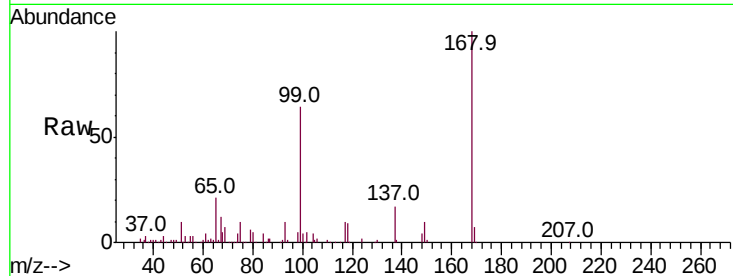


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 4.89 min Scan# 432
 Delta R.T. 0.02 min
 Lab File: VF060619.D
 Acq: 6 Nov 2018 18:23

Instrument :
 MSVOA_F
 ClientSampleId :

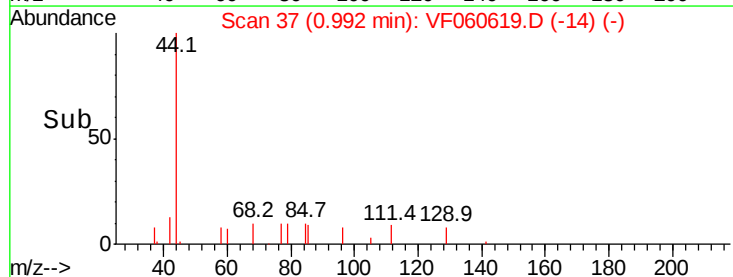
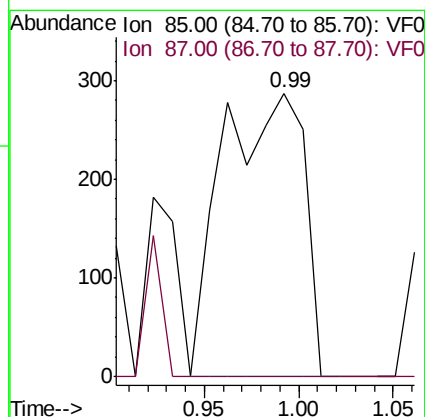
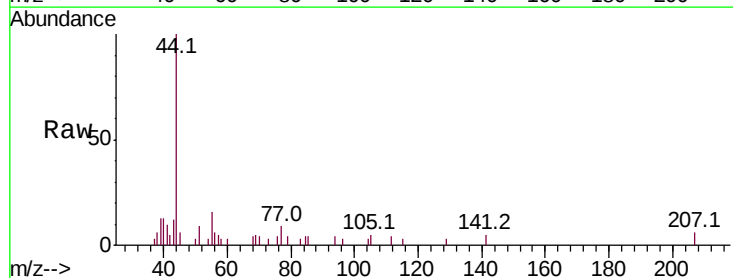
Tot Ion:168 Resp: 267646
 Ion Ratio Lower Upper
 168 100
 99 64.1 48.6 72.8

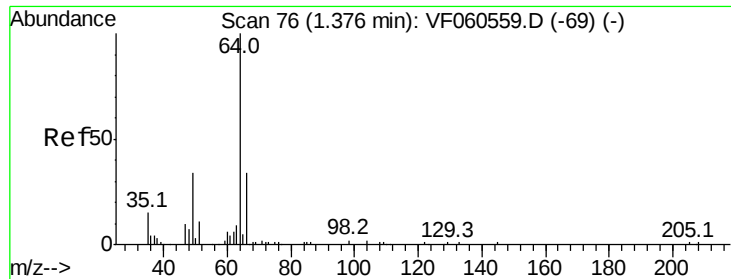


#2

Dichlorodifluoromethane
 Concen: Below Cal
 RT: 0.99 min Scan# 37
 Delta R.T. 0.03 min
 Lab File: VF060619.D
 Acq: 6 Nov 2018 18:23

Tgt Ion: 85 Resp: 859
 Ion Ratio Lower Upper
 85 100
 87 0.0 16.9 50.7#





#6

Chloroethane

Concen: Below Cal

RT: 1.34 min Scan# 72

Delta R.T. -0.04 min

Lab File: VF060619.D

Acq: 6 Nov 2018 18:23

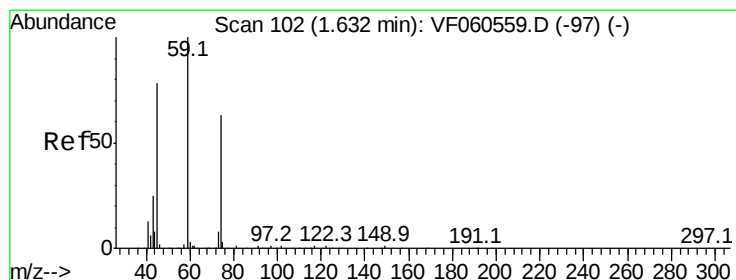
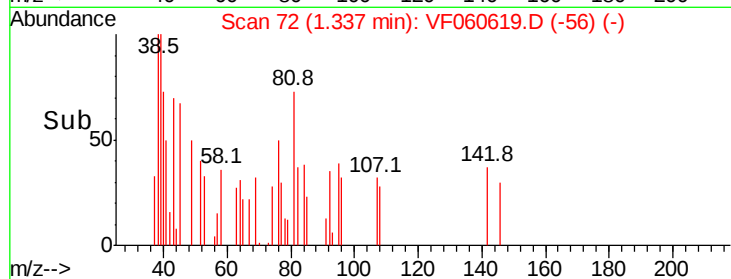
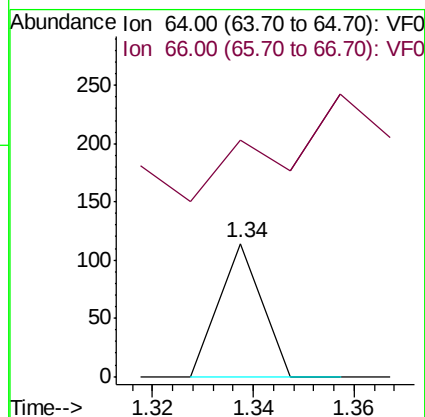
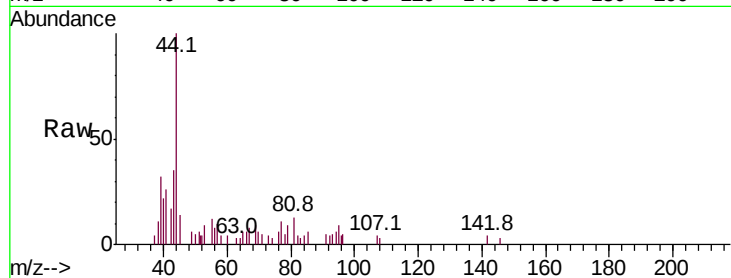
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 64 Resp: 67

Ion Ratio Lower Upper

64 100

66 178.1 27.8 41.8#



#8

Diethyl Ether

Concen: 3.100 ug/l

RT: 1.63 min Scan# 102

Delta R.T. 0.00 min

Lab File: VF060619.D

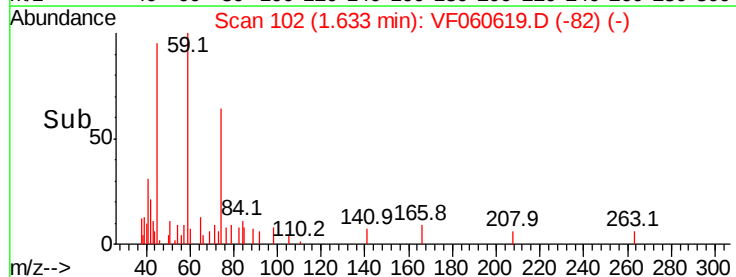
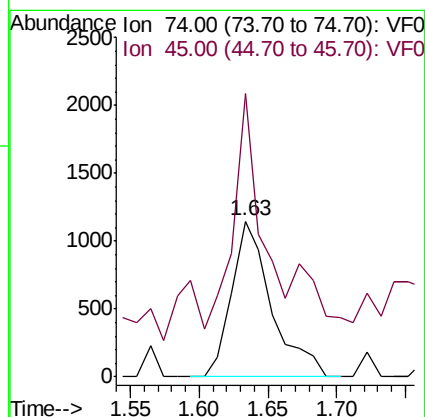
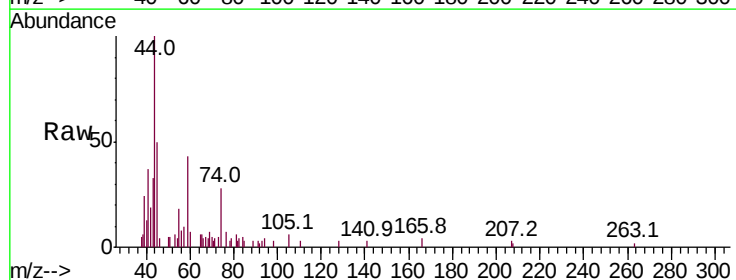
Acq: 6 Nov 2018 18:23

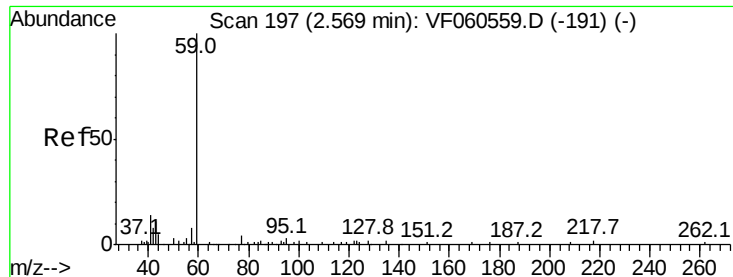
Tgt Ion: 74 Resp: 2321

Ion Ratio Lower Upper

74 100

45 181.5 63.8 191.5



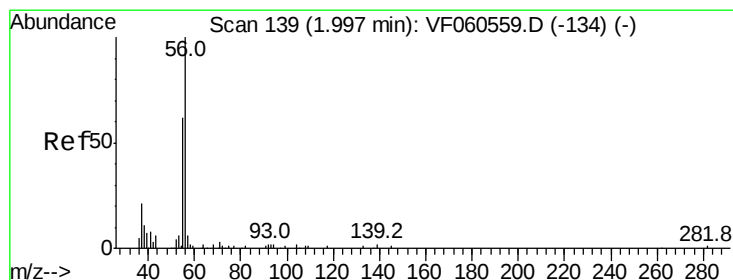
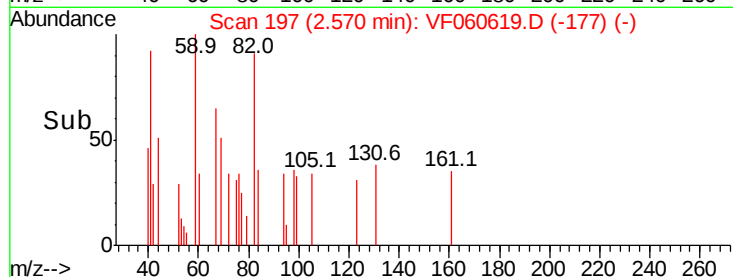
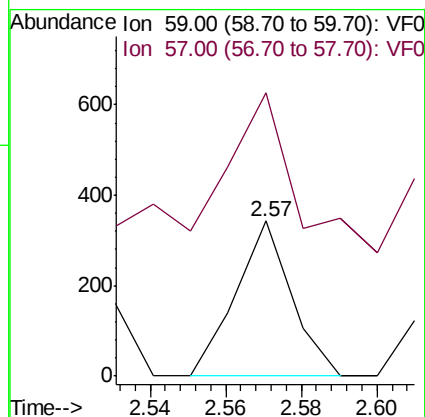
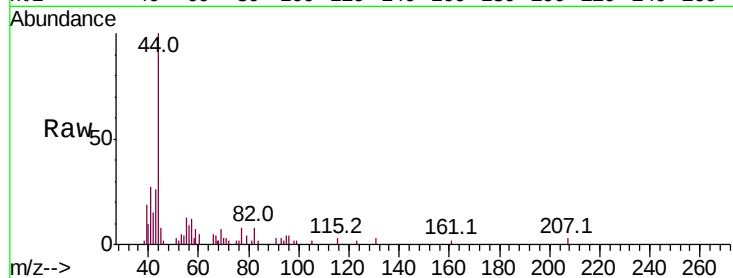


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.57 min Scan# 197
Delta R.T. 0.00 min
Lab File: VF060619.D
Acq: 6 Nov 2018 18:23

Instrument :
MSVOA_F
ClientSampled :

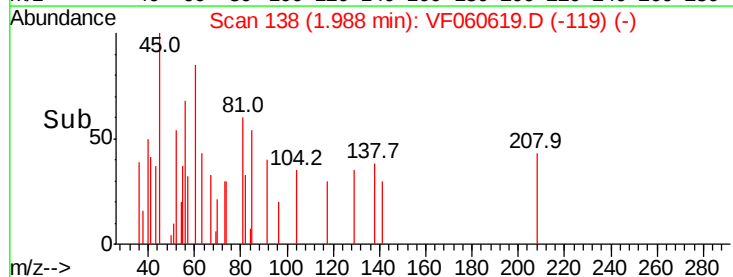
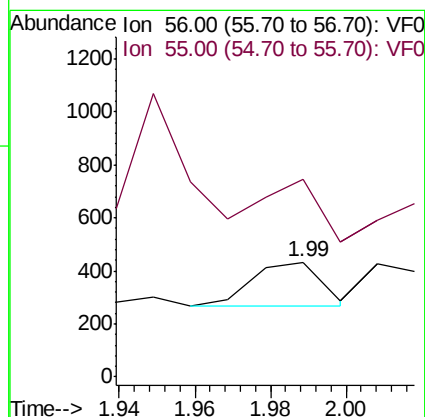
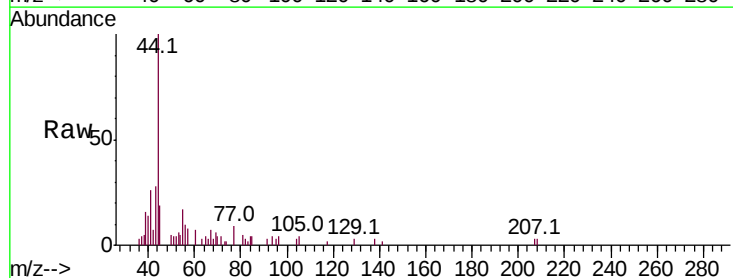
Tot Ion: 59 Resp: 349
Ion Ratio Lower Upper
59 100
57 182.5 19.0 28.4#

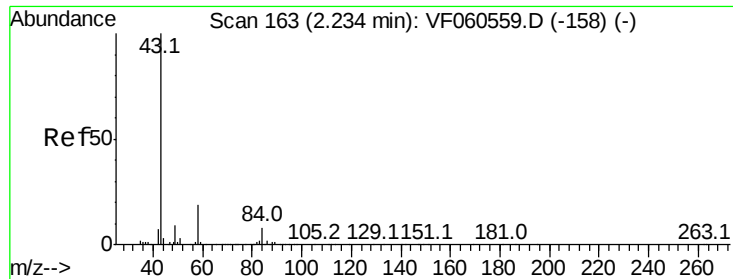


#13

Acrolein
Concen: Below Cal
RT: 1.99 min Scan# 138
Delta R.T. -0.01 min
Lab File: VF060619.D
Acq: 6 Nov 2018 18:23

Tgt Ion: 56 Resp: 214
Ion Ratio Lower Upper
56 100
55 172.4 61.8 92.6#





#16

Acetone

Concen: 9.017 ug/l

RT: 2.24 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF060619.D

Acq: 6 Nov 2018 18:23

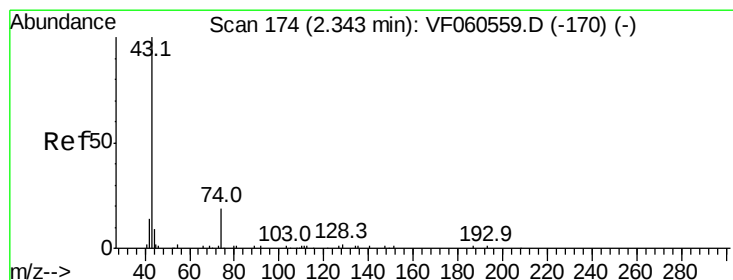
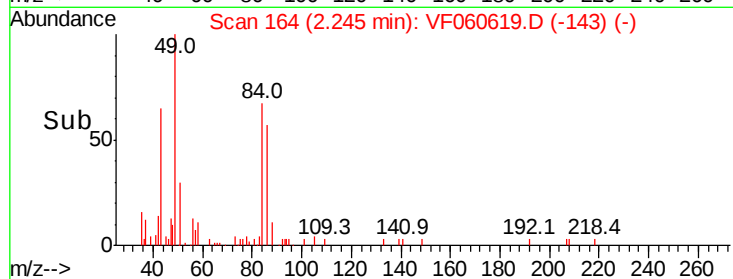
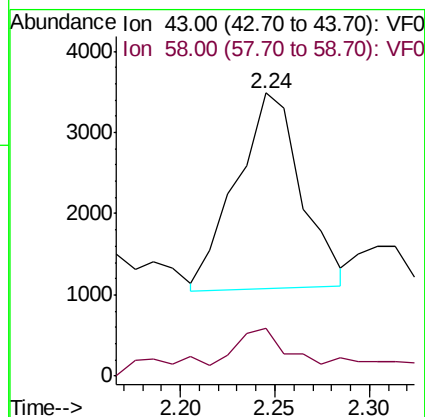
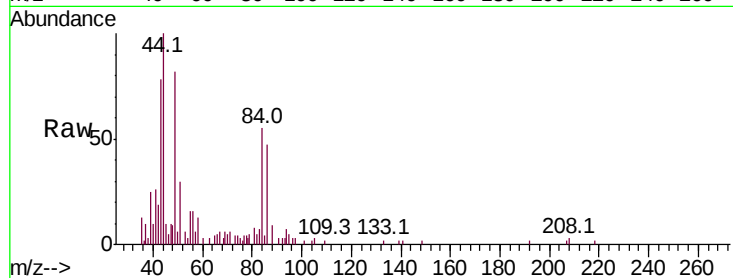
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 5746

Ion Ratio Lower Upper

43 100

58 16.8 14.6 22.0



#18

Methyl Acetate

Concen: 3.086 ug/l

RT: 2.35 min Scan# 175

Delta R.T. 0.01 min

Lab File: VF060619.D

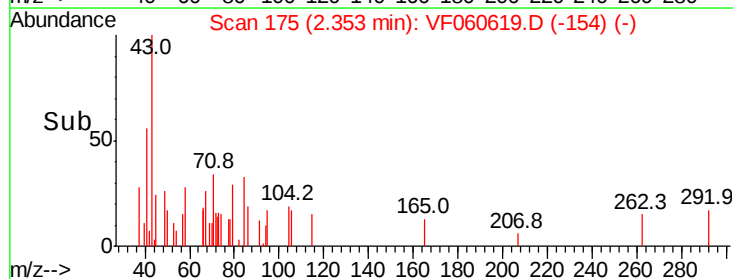
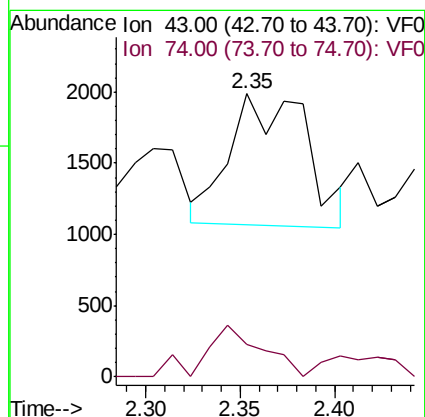
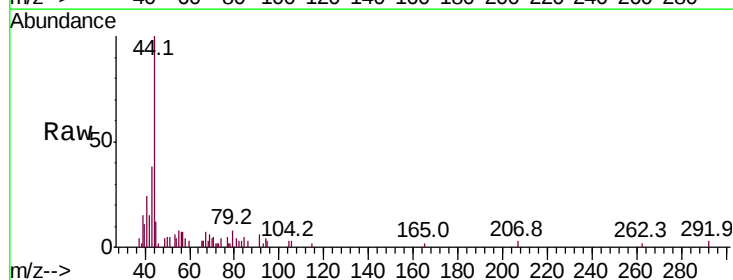
Acq: 6 Nov 2018 18:23

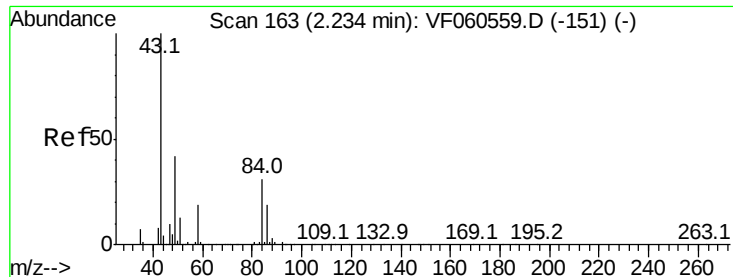
Tgt Ion: 43 Resp: 2605

Ion Ratio Lower Upper

43 100

74 11.4 12.1 18.1#

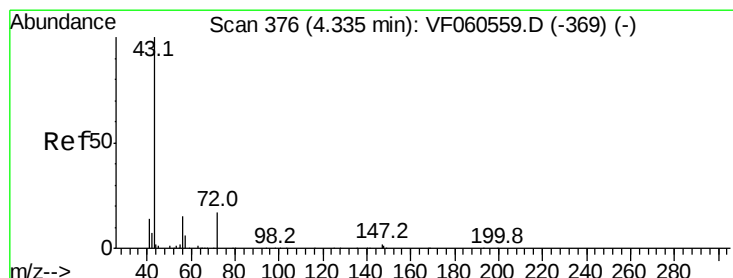
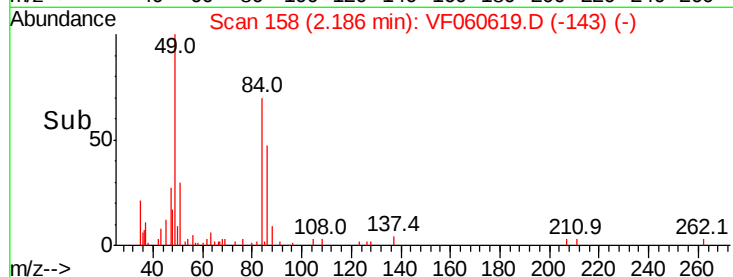
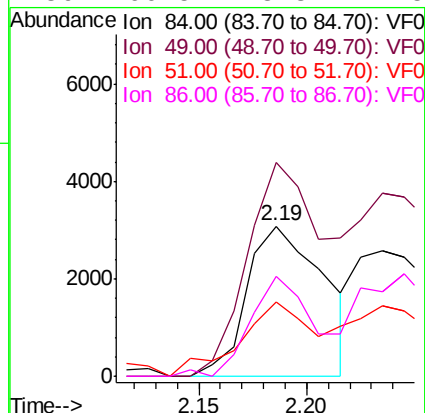
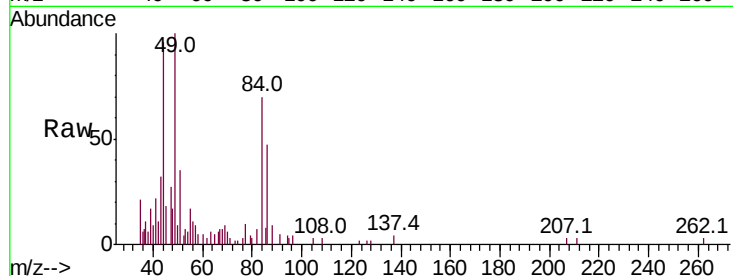




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.19 min Scan# 158
Delta R.T. -0.05 min
Lab File: VF060619.D
Acq: 6 Nov 2018 18:23

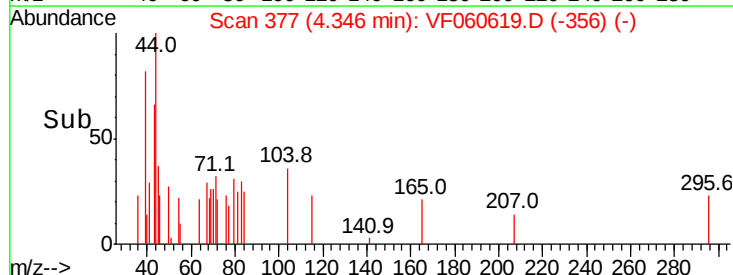
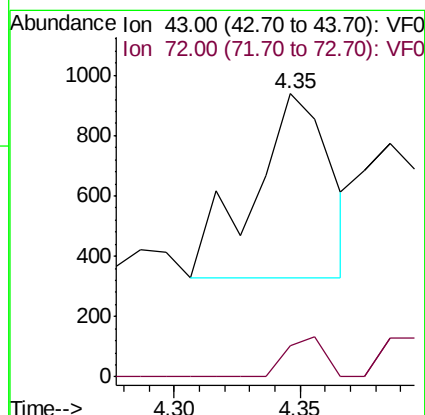
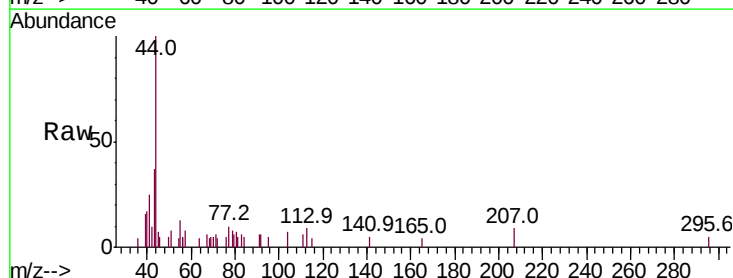
Instrument :
MSVOA_F
ClientSampleId :

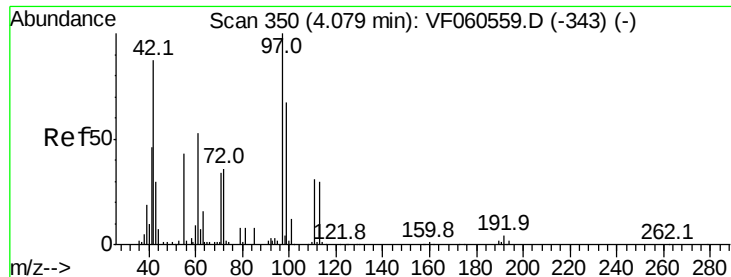
Tot Ion:	84	Resp:	7652
Ion	Ratio	Lower	Upper
84	100		
49	142.1	109.9	164.9
51	49.4	35.8	53.8
86	66.5	48.3	72.5



#25
2-Butanone
Concen: Below Cal
RT: 4.35 min Scan# 377
Delta R.T. 0.01 min
Lab File: VF060619.D
Acq: 6 Nov 2018 18:23

Tgt Ion:	43	Resp:	1290
Ion	Ratio	Lower	Upper
43	100		
72	11.0	16.2	24.2#





#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.11 min Scan# 353

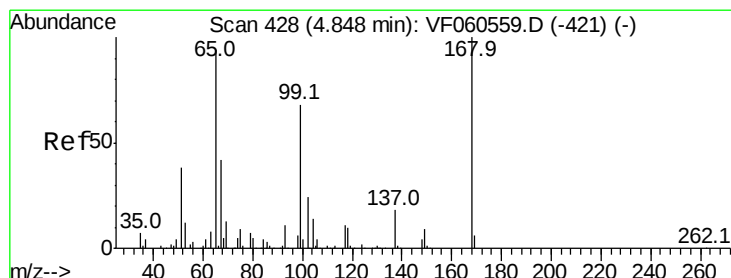
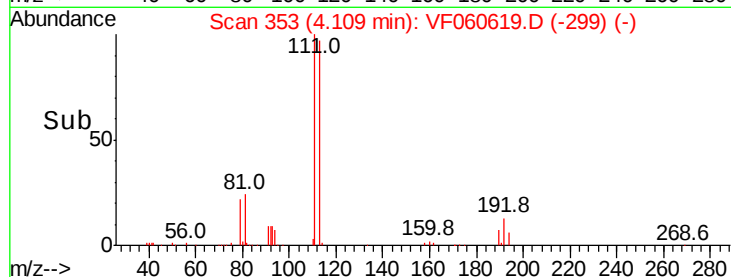
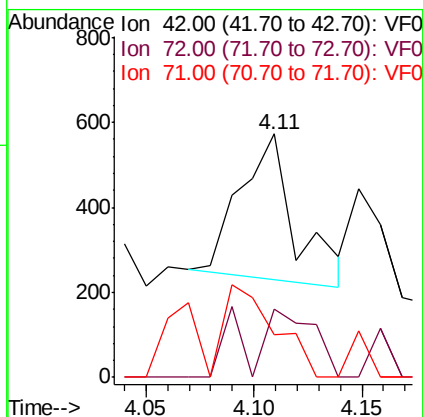
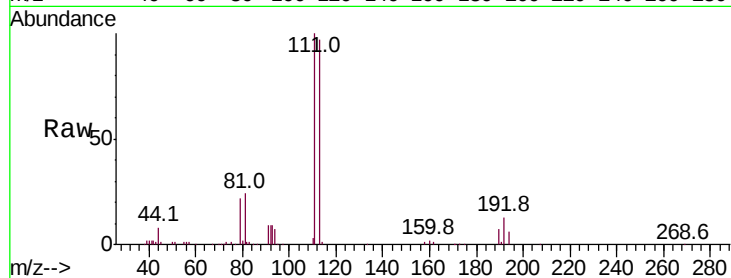
Delta R.T. 0.03 min

Lab File: VF060619.D

Acq: 6 Nov 2018 18:23

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 42 Resp: 594
Ion Ratio Lower Upper
42 100
72 41.4 31.4 47.0
71 0.0 31.8 47.6#



#33

1,2-Dichloroethane-d4

Concen: 54.393 ug/l

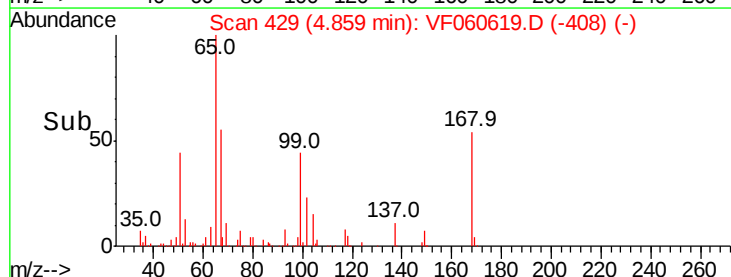
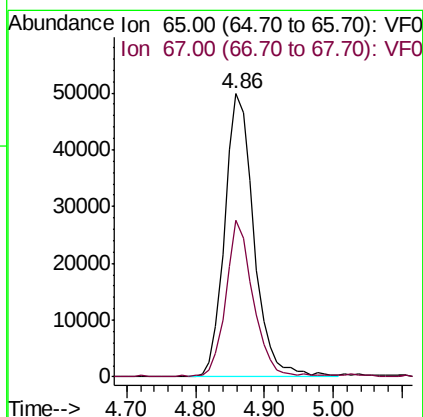
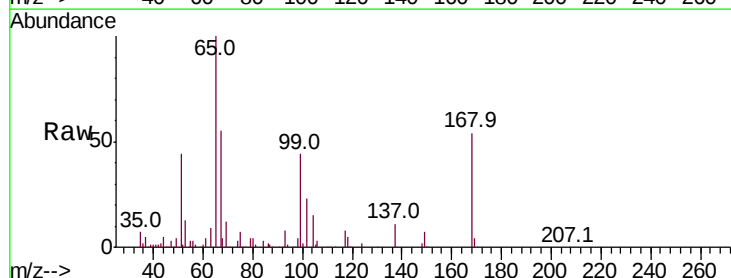
RT: 4.86 min Scan# 429

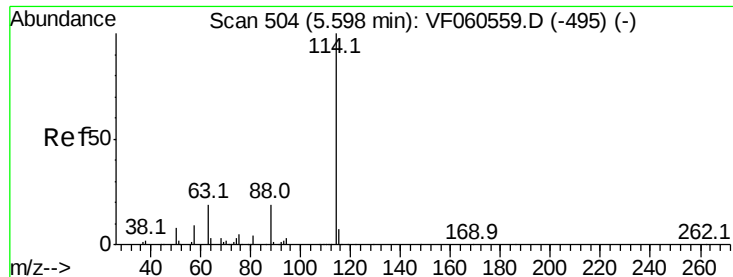
Delta R.T. 0.01 min

Lab File: VF060619.D

Acq: 6 Nov 2018 18:23

Tgt Ion: 65 Resp: 147091
Ion Ratio Lower Upper
65 100
67 55.3 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 506

Delta R.T. 0.02 min

Lab File: VF060619.D

Acq: 6 Nov 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

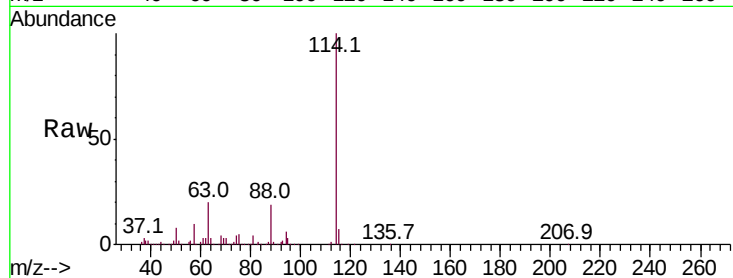
Tot Ion:114 Resp: 456933

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.0

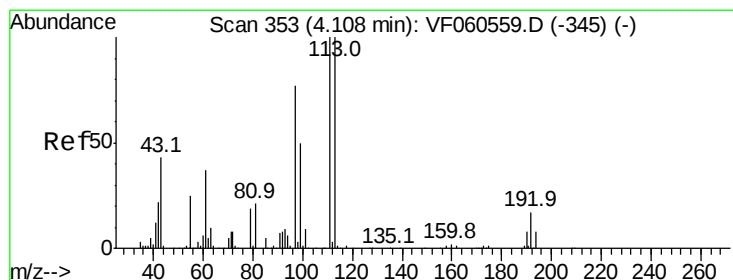
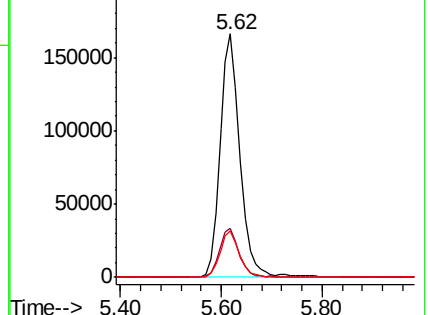
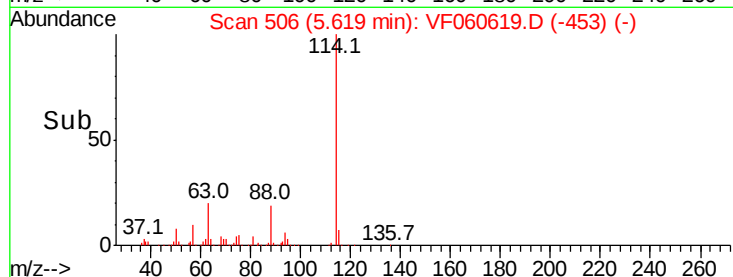
88 19.2 0.0 38.2



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: 50.587 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.02 min

Lab File: VF060619.D

Acq: 6 Nov 2018 18:23

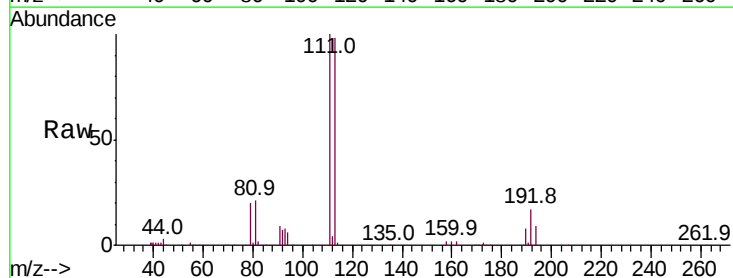
Tgt Ion:113 Resp: 178586

Ion Ratio Lower Upper

113 100

111 101.7 79.9 119.9

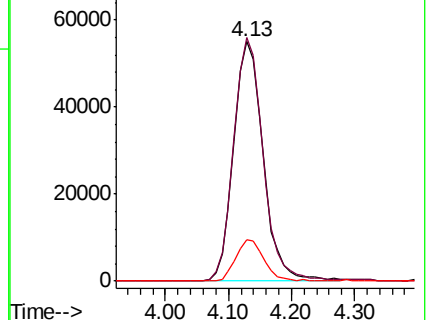
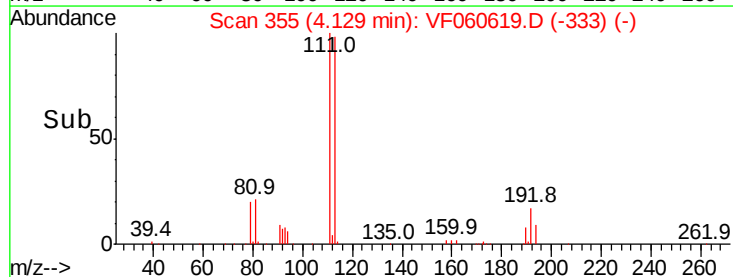
192 17.3 13.3 19.9

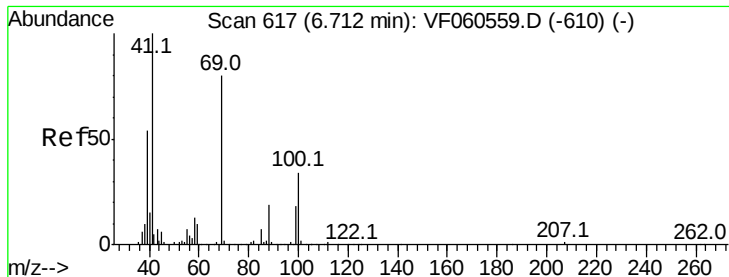


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

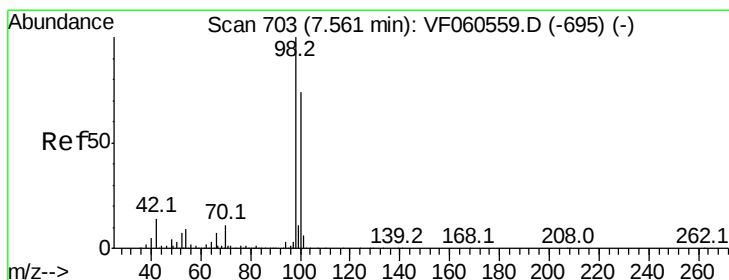
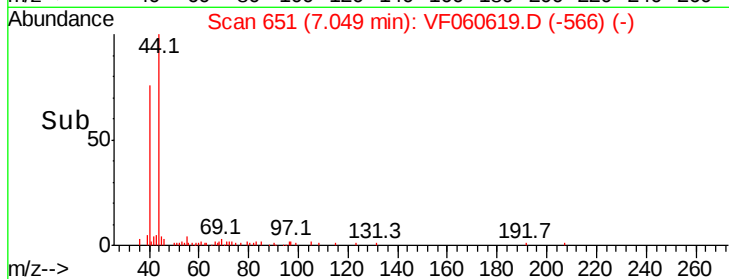
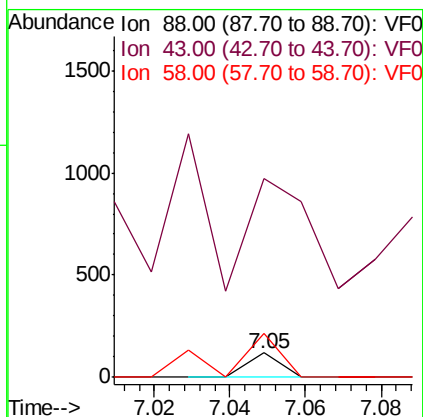
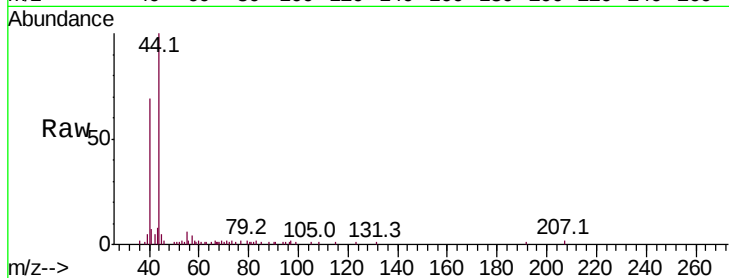




#49
1,4-Dioxane
Concen: 3.485 ug/l
RT: 7.05 min Scan# 651
Delta R.T. 0.34 min
Lab File: VF060619.D
Acq: 6 Nov 2018 18:23

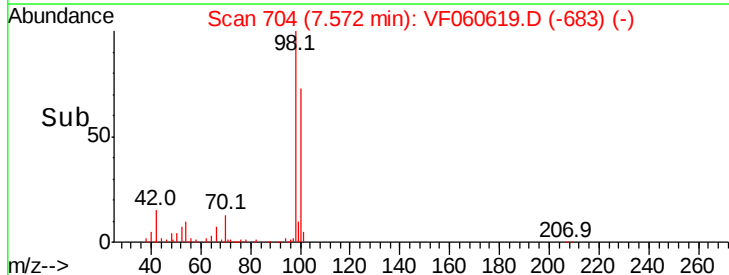
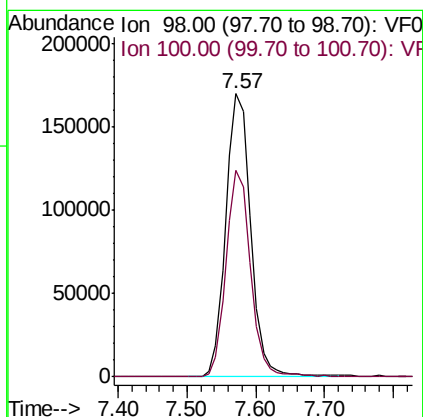
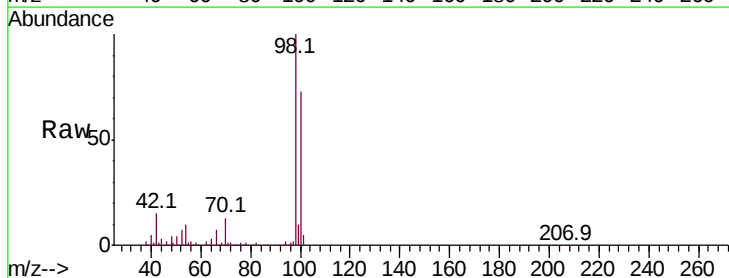
Instrument :
MSVOA_F
ClientSampleId :

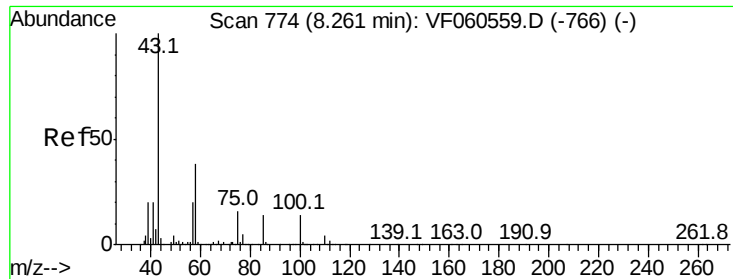
Tot Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 822.0 61.2 91.8#
58 180.5 56.9 85.3#



#50
Toluene-d8
Concen: 40.840 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.01 min
Lab File: VF060619.D
Acq: 6 Nov 2018 18:23

Tgt Ion: 98 Resp: 427095
Ion Ratio Lower Upper
98 100
100 73.1 59.4 89.2





#51

4-Methyl-2-Pentanone

Concen: 2.192 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.02 min

Lab File: VF060619.D

Acq: 6 Nov 2018 18:23

Instrument :

MSVOA_F

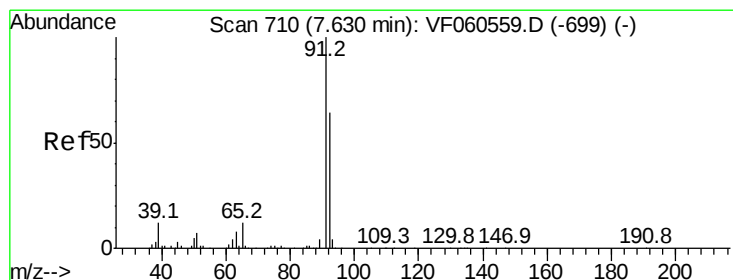
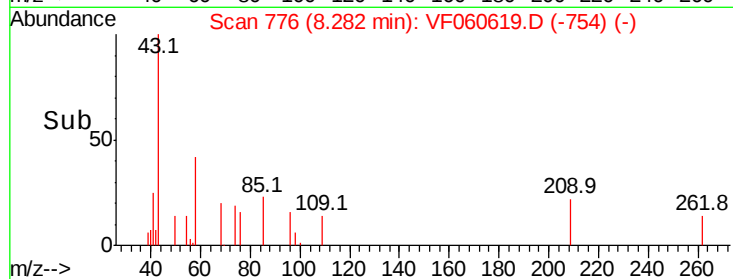
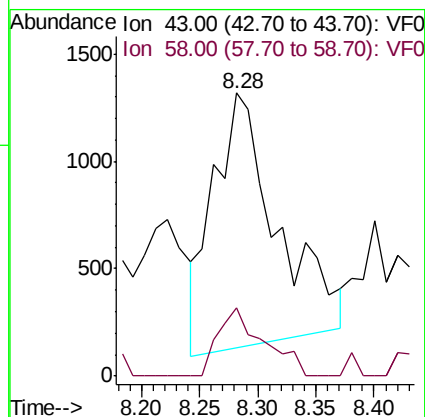
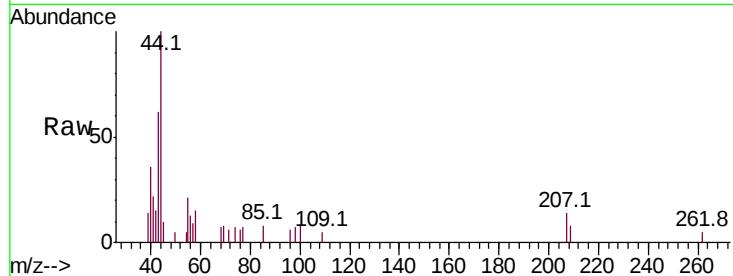
ClientSampled :

Tot Ion: 43 Resp: 4503

Ion Ratio Lower Upper

43 100

58 23.9 30.1 45.1#



#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 7.56 min Scan# 703

Delta R.T. -0.07 min

Lab File: VF060619.D

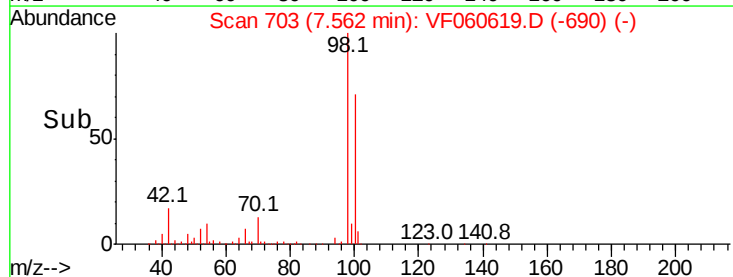
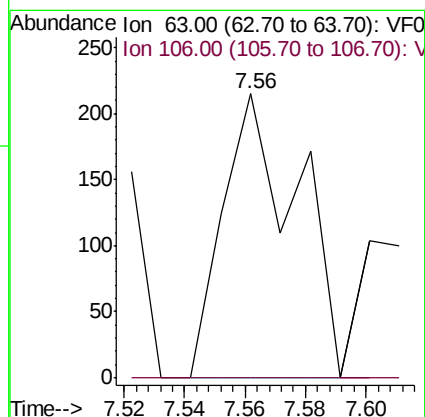
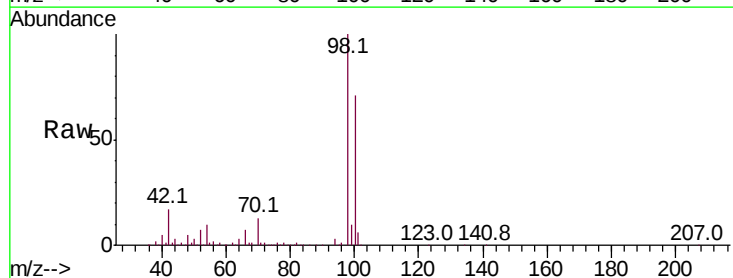
Acq: 6 Nov 2018 18:23

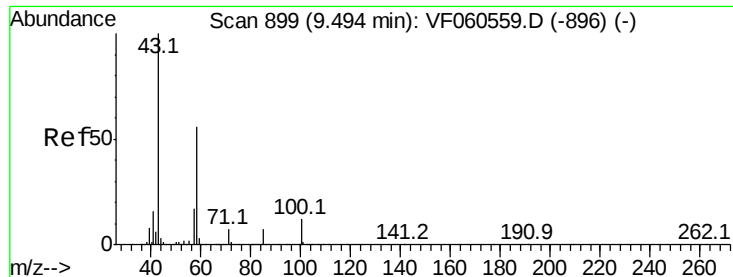
Tgt Ion: 63 Resp: 368

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

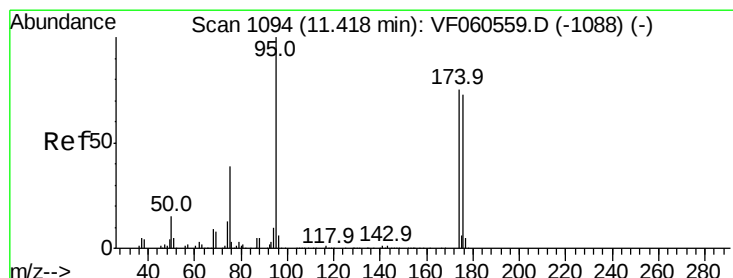
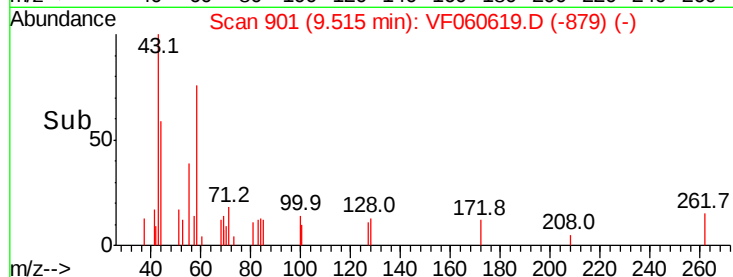
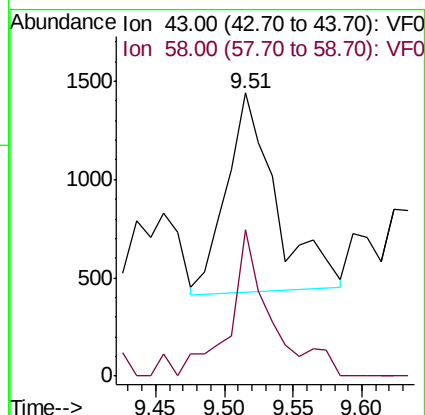
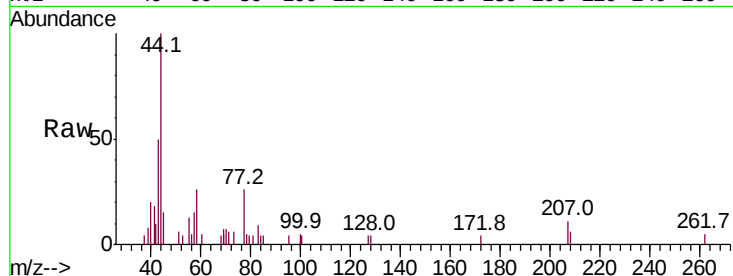




#59
2-Hexanone
Concen: Below Cal
RT: 9.51 min Scan# 901
Delta R.T. 0.02 min
Lab File: VF060619.D
Acq: 6 Nov 2018 18:23

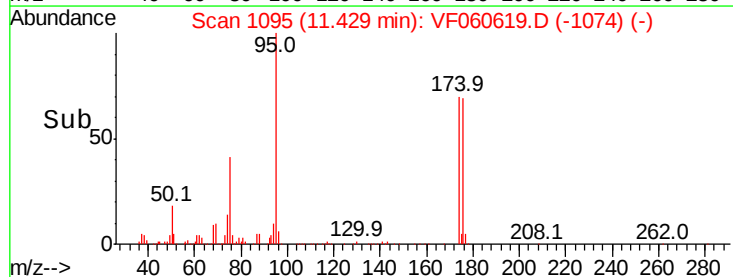
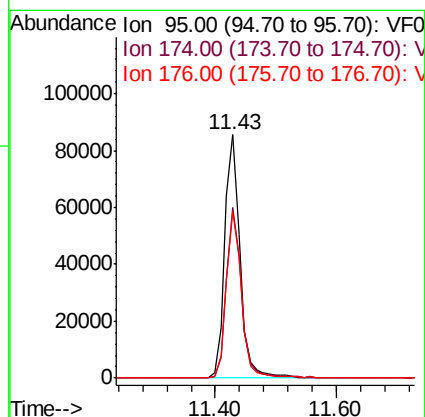
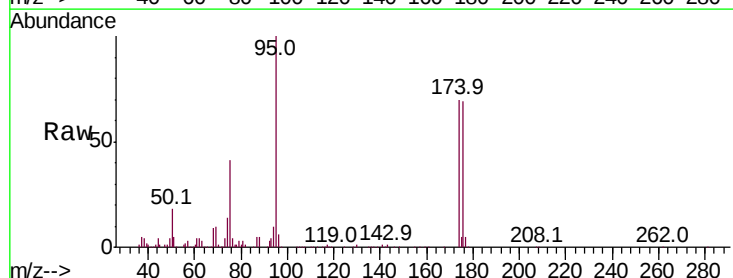
Instrument :
MSVOA_F
ClientSampleId :

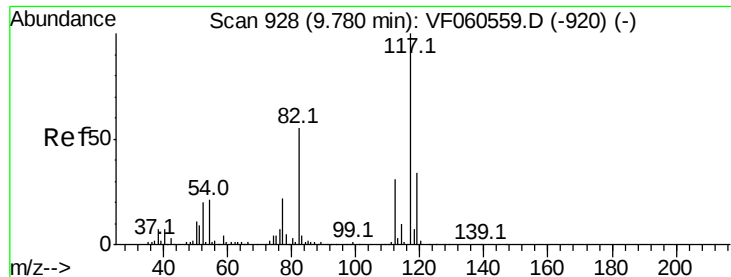
Tot Ion: 43 Resp: 2554
Ion Ratio Lower Upper
43 100
58 51.7 26.1 78.3



#62
4-Bromofluorobenzene
Concen: 32.865 ug/l
RT: 11.43 min Scan# 1095
Delta R.T. 0.01 min
Lab File: VF060619.D
Acq: 6 Nov 2018 18:23

Tgt Ion: 95 Resp: 150336
Ion Ratio Lower Upper
95 100
174 70.0 0.0 149.0
176 68.5 0.0 145.6

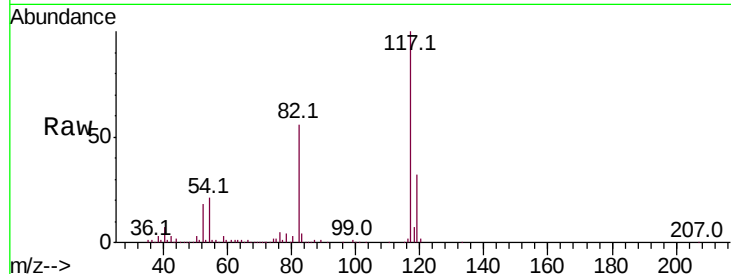




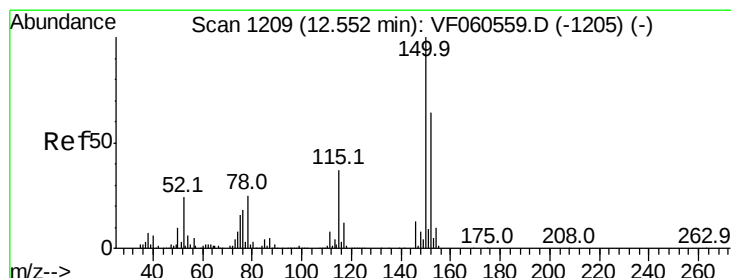
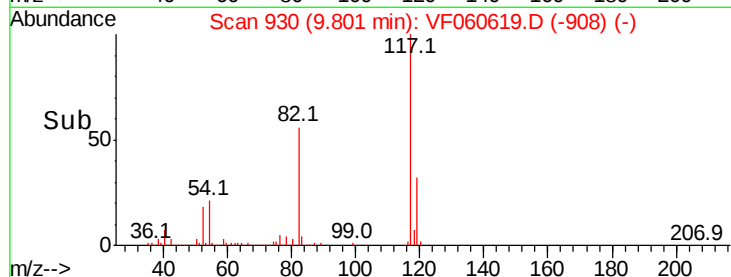
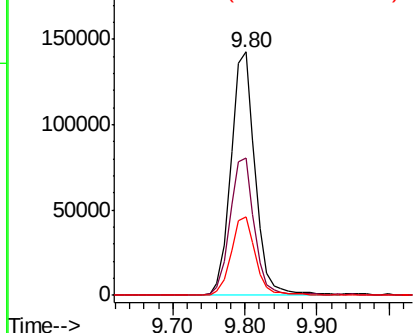
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.02 min
Lab File: VF060619.D
Acq: 6 Nov 2018 18:23

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 334171
Ion Ratio Lower Upper
117 100
82 56.2 43.9 65.9
119 32.5 27.4 41.0

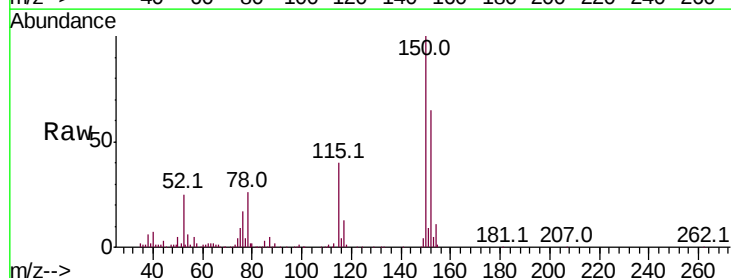


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

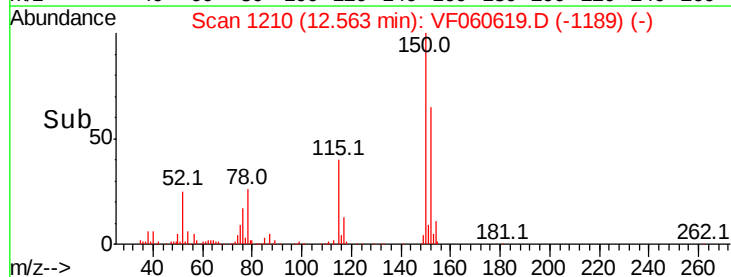
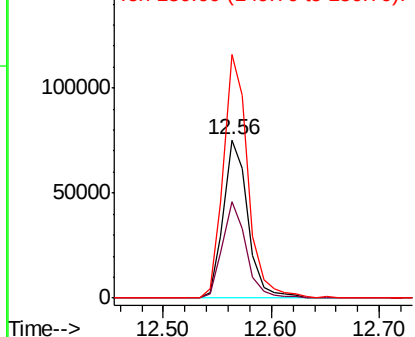


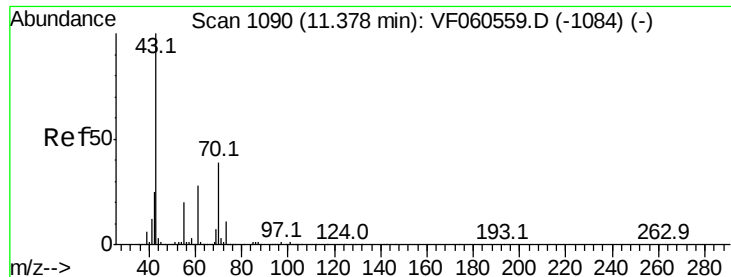
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.01 min
Lab File: VF060619.D
Acq: 6 Nov 2018 18:23

Tgt Ion:152 Resp: 119340
Ion Ratio Lower Upper
152 100
115 61.1 29.6 88.8
150 154.2 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: 11.40 min Scan# 1092
 Delta R.T. 0.02 min
 Lab File: VF060619.D
 Acq: 6 Nov 2018 18:23

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 43 Resp: 389
 Ion Ratio Lower Upper
 43 100
 70 34.4 30.9 46.3
 55 39.6 16.6 24.8#
 61 16.7 22.0 33.0#

