

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110818\
 Data File : VF060663.D
 Acq On : 8 Nov 2018 21:37
 Operator : VA/AP
 Sample : J5813-10RE
 Misc : 5.58g/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 09 12:35:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	240787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	427058	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	380607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	189473	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	178821	73.50	ug/l	-0.02
Spiked Amount			Recovery	=	147.00%	
35) Dibromofluoromethane	4.10	113	219082	66.40	ug/l	0.00
Spiked Amount			Recovery	=	132.80%	
50) Toluene-d8	7.54	98	533699	54.60	ug/l	-0.02
Spiked Amount			Recovery	=	109.20%	
62) 4-Bromofluorobenzene	11.41	95	250075	58.49	ug/l	0.00
Spiked Amount			Recovery	=	116.98%	

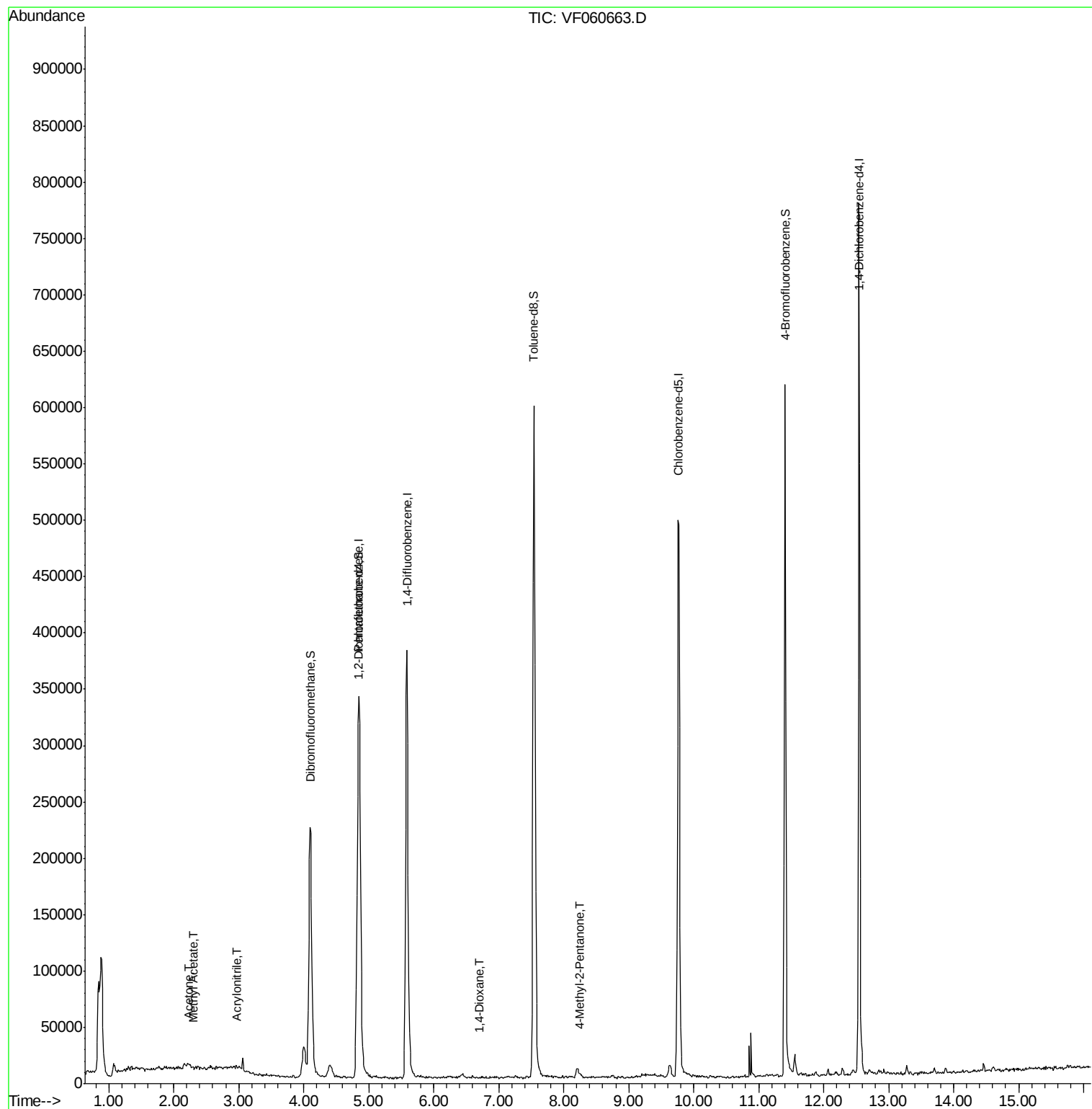
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	316	Below Cal	#	41
6) Chloroethane	1.36	64	111	Below Cal	#	21
11) Tert butyl alcohol	2.56	59	391	Below Cal	#	1
13) Acrolein	1.98	56	497	Below Cal		82
15) Acrylonitrile	2.95	53	376	1.297	ug/l #	47
16) Acetone	2.23	43	2299	4.010	ug/l	93
18) Methyl Acetate	2.31	43	1332	1.961	ug/l #	85
20) Methylene Chloride	2.20	84	2259	Below Cal	#	91
25) 2-Butanone	4.33	43	1178	Below Cal	#	56
29) Tetrahydrofuran	4.10	42	300	Below Cal	#	34
49) 1,4-Dioxane	6.70	88	61	3.250	ug/l #	1
51) 4-Methyl-2-Pentanone	8.25	43	2775	1.445	ug/l #	87
58) 2-Chloroethyl Vinyl ether	7.62	63	121	Below Cal		100
59) 2-Hexanone	9.49	43	2307	Below Cal		79
74) N-amyl acetate	11.38	43	910	Below Cal	#	57
89) n-Butylbenzene	12.84	91	645	Below Cal	#	78

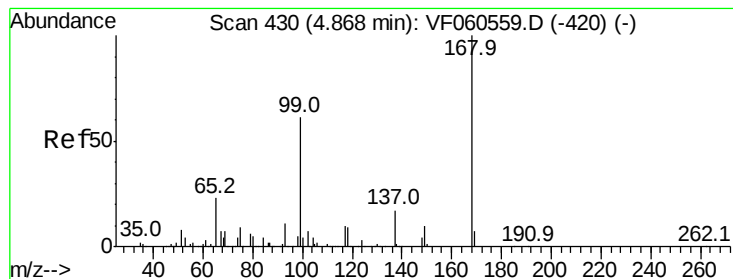
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF060663.D

Acq: 8 Nov 2018 21:37

Instrument :

MSVOA_F

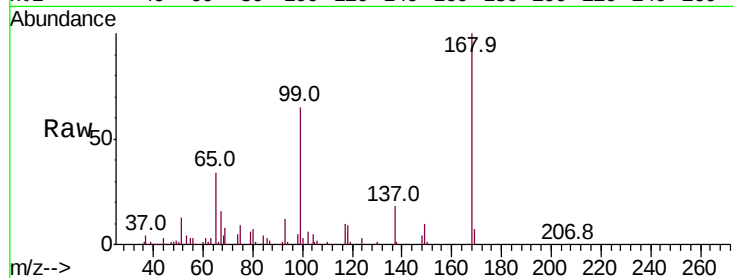
ClientSampleId :

Tot Ion:168 Resp: 240787

Ion Ratio Lower Upper

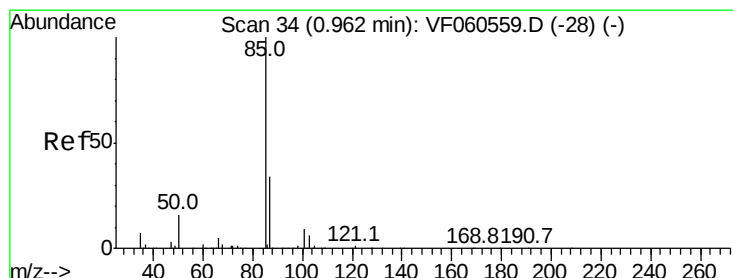
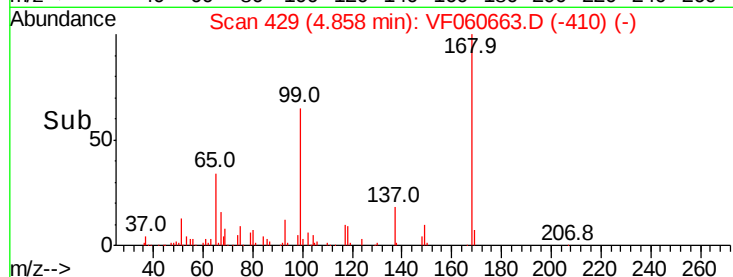
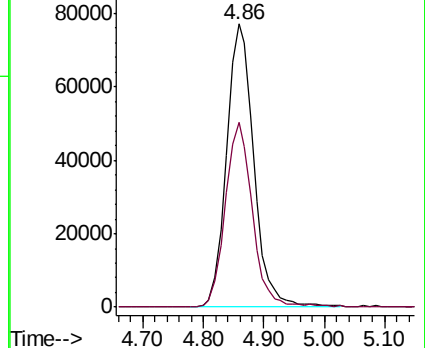
168 100

99 65.3 48.6 72.8



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.95 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF060663.D

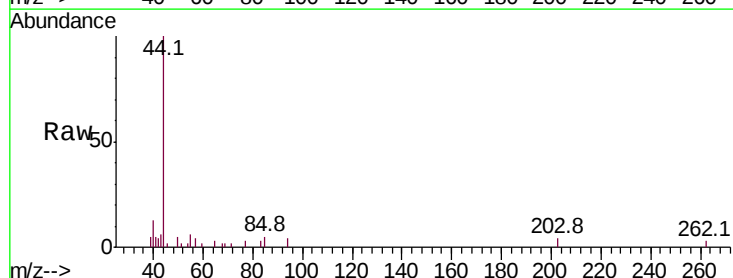
Acq: 8 Nov 2018 21:37

Tgt Ion: 85 Resp: 316

Ion Ratio Lower Upper

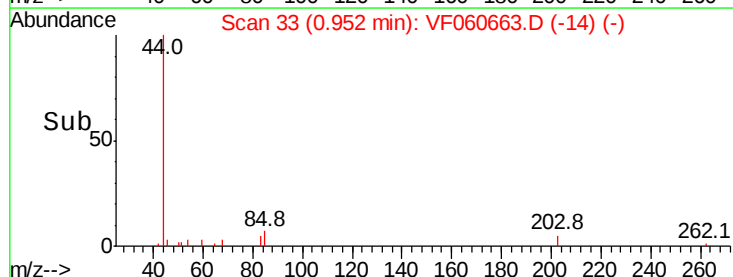
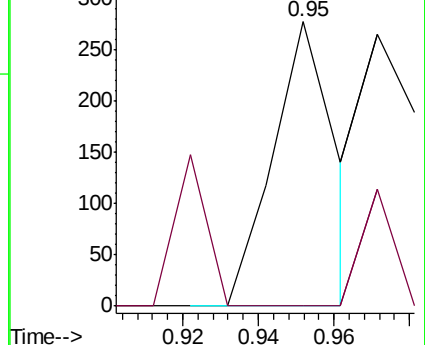
85 100

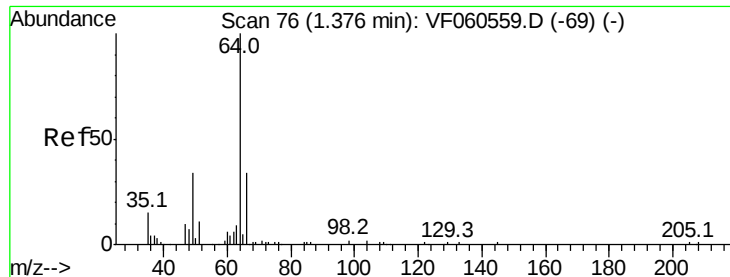
87 0.0 16.9 50.7#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#6

Chloroethane

Concen: Below Cal

RT: 1.36 min Scan# 74

Delta R.T. -0.02 min

Lab File: VF060663.D

Acq: 8 Nov 2018 21:37

Instrument :

MSVOA_F

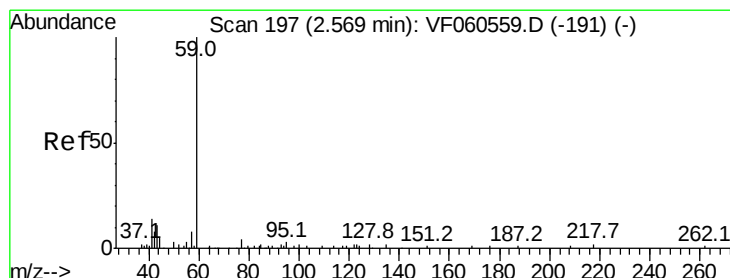
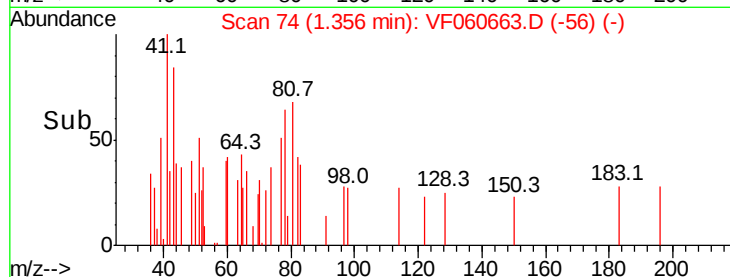
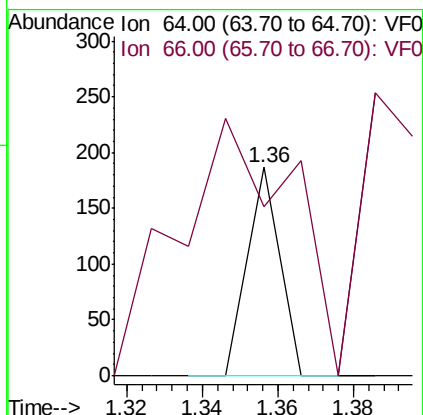
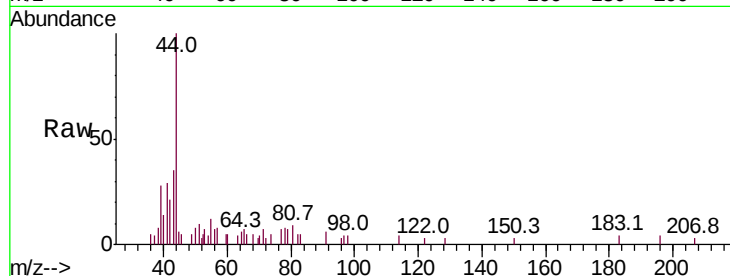
ClientSampled :

Tot Ion: 64 Resp: 111

Ion Ratio Lower Upper

64 100

66 80.7 27.8 41.8#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.56 min Scan# 196

Delta R.T. -0.01 min

Lab File: VF060663.D

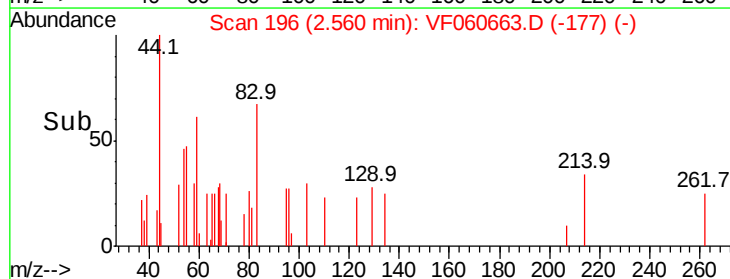
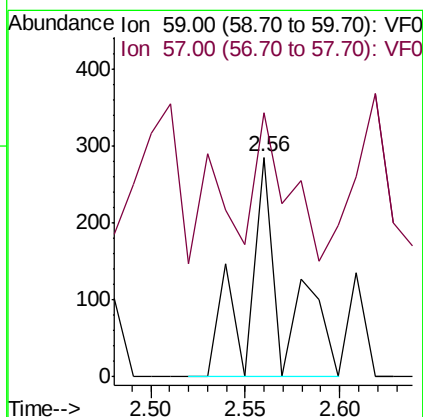
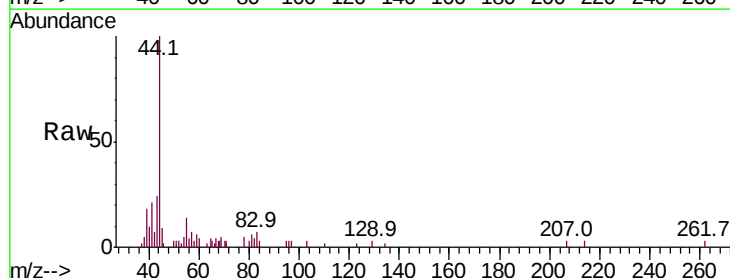
Acq: 8 Nov 2018 21:37

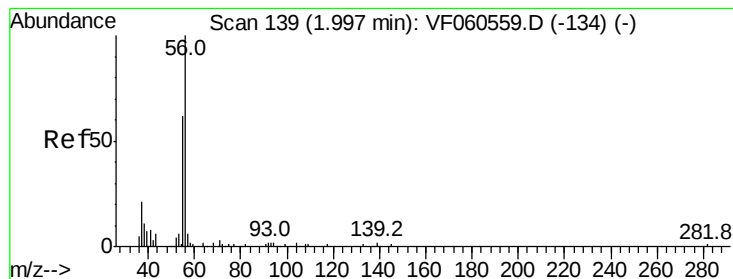
Tgt Ion: 59 Resp: 391

Ion Ratio Lower Upper

59 100

57 120.3 19.0 28.4#





#13

Acrolein

Concen: Below Cal

RT: 1.98 min Scan# 137

Delta R.T. -0.02 min

Lab File: VF060663.D

Acq: 8 Nov 2018 21:37

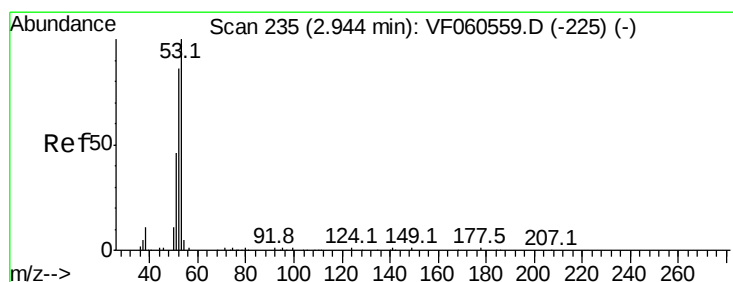
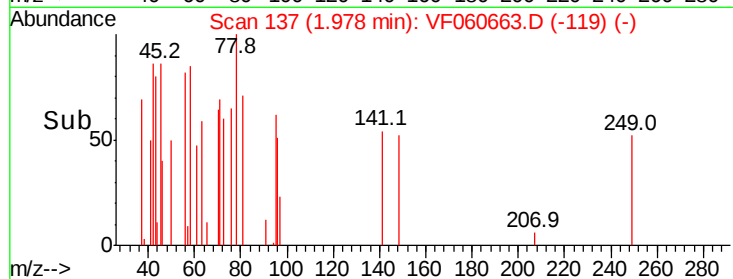
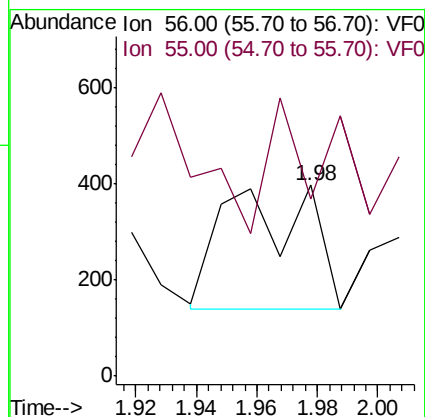
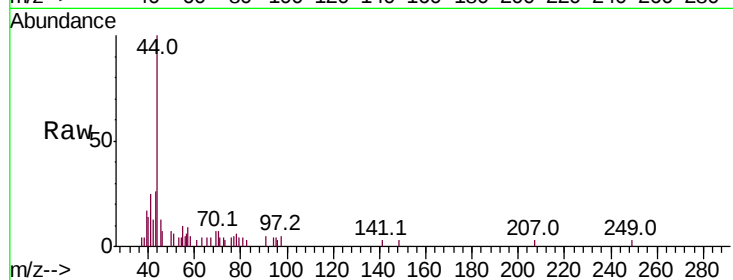
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 497

Ion Ratio Lower Upper

56 100

55 92.4 61.8 92.6



#15

Acrylonitrile

Concen: 1.297 ug/l

RT: 2.95 min Scan# 236

Delta R.T. 0.01 min

Lab File: VF060663.D

Acq: 8 Nov 2018 21:37

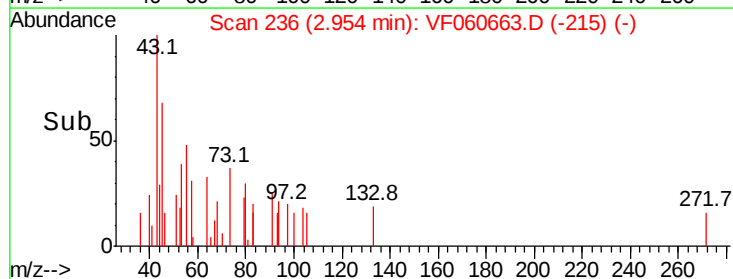
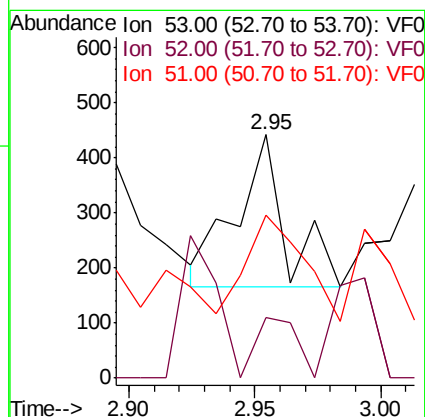
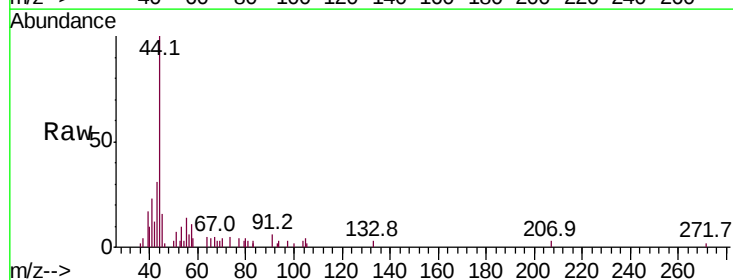
Tgt Ion: 53 Resp: 376

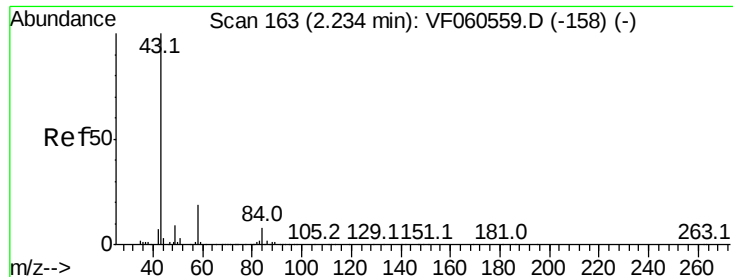
Ion Ratio Lower Upper

53 100

52 25.1 68.5 102.7#

51 67.2 38.2 57.2#





#16

Acetone

Concen: 4.010 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF060663.D

Acq: 8 Nov 2018 21:37

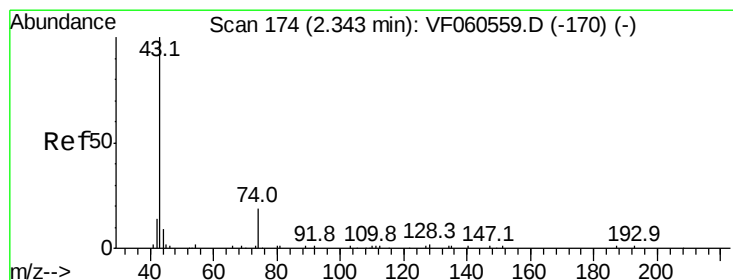
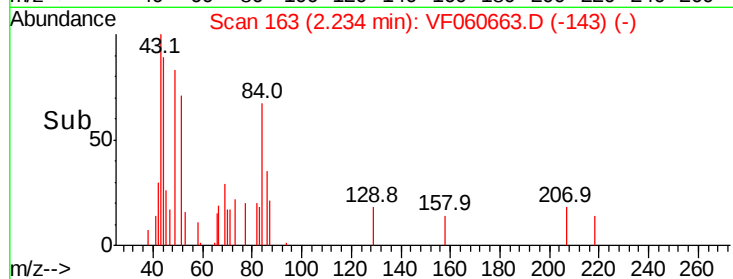
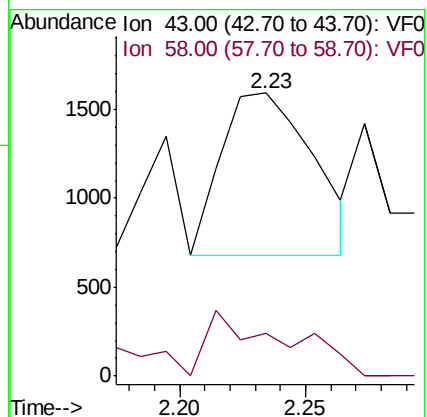
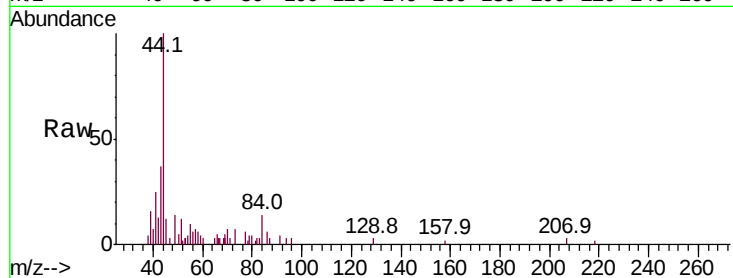
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 2299

Ion Ratio Lower Upper

43 100

58 15.3 14.6 22.0



#18

Methyl Acetate

Concen: 1.961 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.03 min

Lab File: VF060663.D

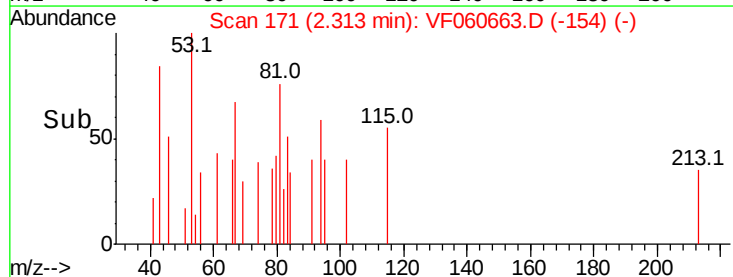
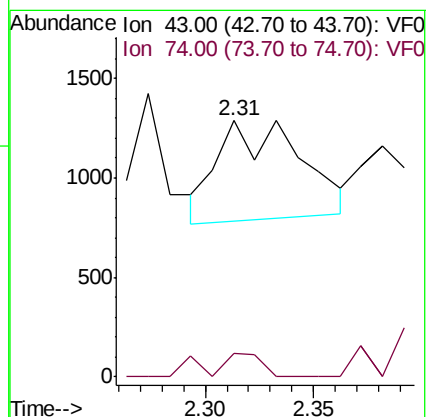
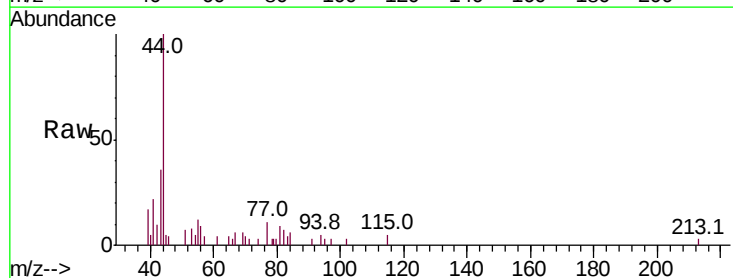
Acq: 8 Nov 2018 21:37

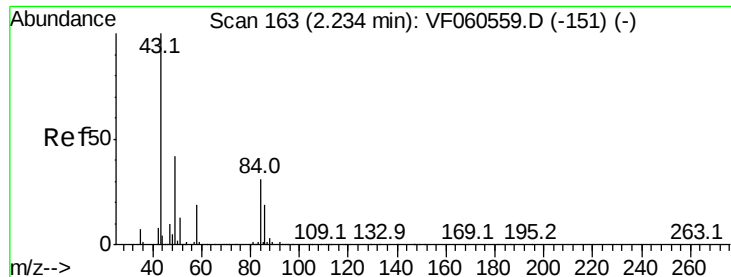
Tgt Ion: 43 Resp: 1332

Ion Ratio Lower Upper

43 100

74 9.0 12.1 18.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.20 min Scan# 160

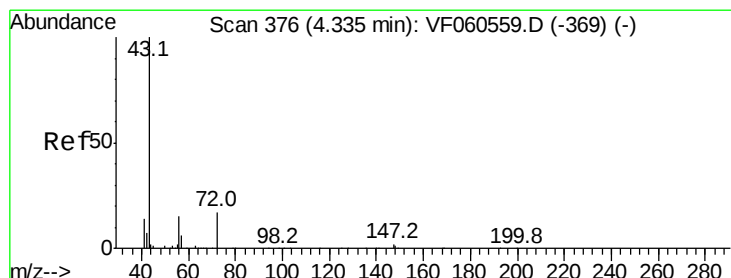
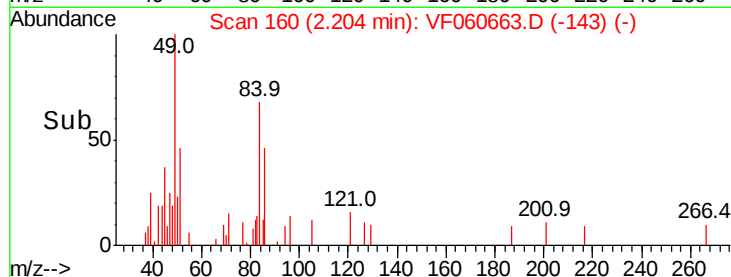
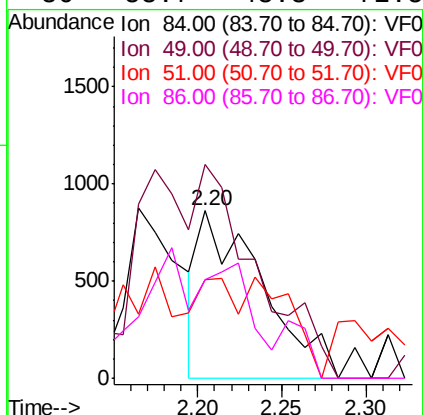
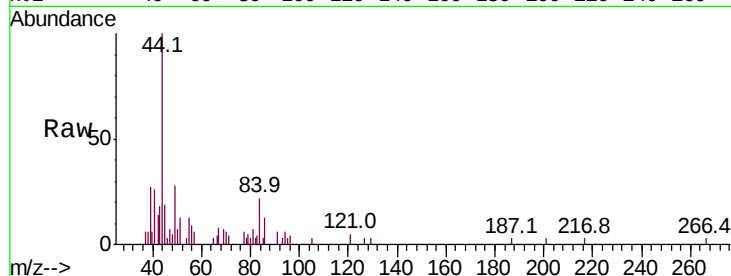
Delta R.T. -0.03 min

Lab File: VF060663.D

Acq: 8 Nov 2018 21:37

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	84	Resp:	2259
Ion	Ratio	Lower	Upper
84	100		
49	127.8	109.9	164.9
51	59.0	35.8	53.8#
86	58.7	48.3	72.5



#25

2-Butanone

Concen: Below Cal

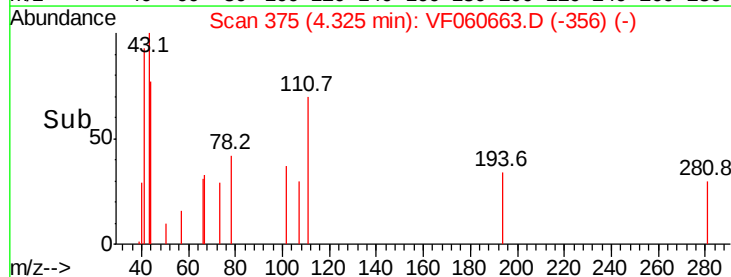
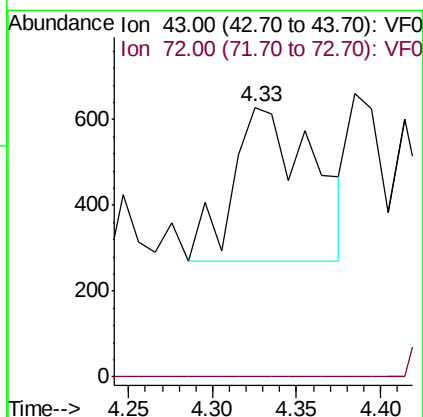
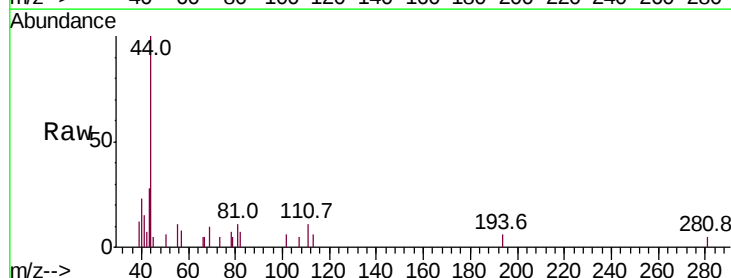
RT: 4.33 min Scan# 375

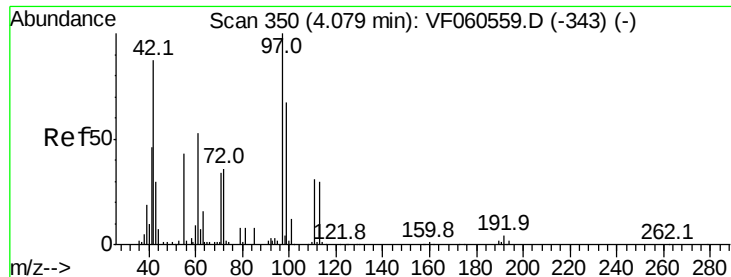
Delta R.T. -0.01 min

Lab File: VF060663.D

Acq: 8 Nov 2018 21:37

Tgt Ion:	43	Resp:	1178
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.2	24.2#





#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.10 min Scan# 352

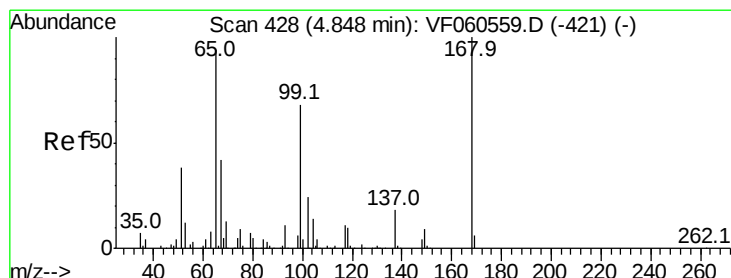
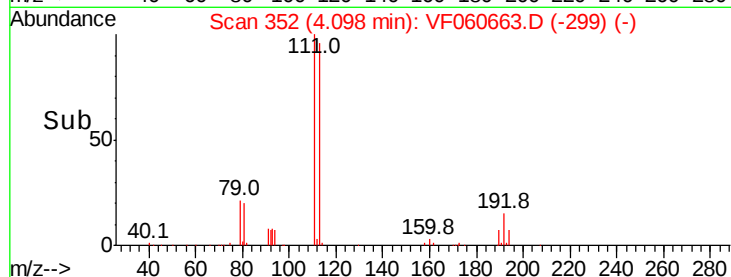
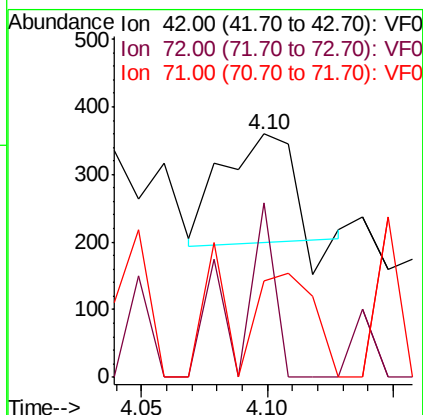
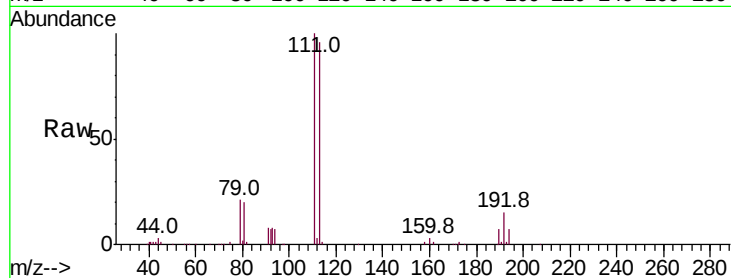
Delta R.T. 0.02 min

Lab File: VF060663.D

Acq: 8 Nov 2018 21:37

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 42 Resp: 300
Ion Ratio Lower Upper
42 100
72 0.0 31.4 47.0#
71 82.0 31.8 47.6#



#33

1,2-Dichloroethane-d4

Concen: 73.503 ug/l

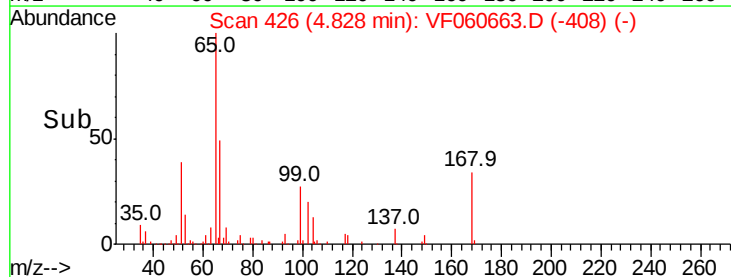
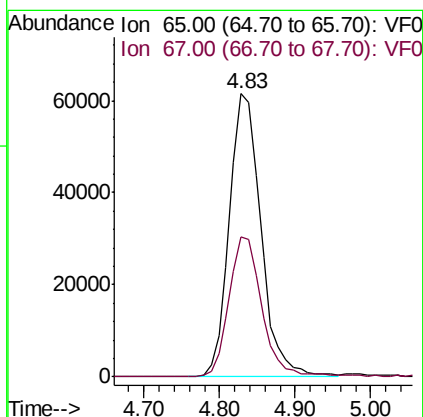
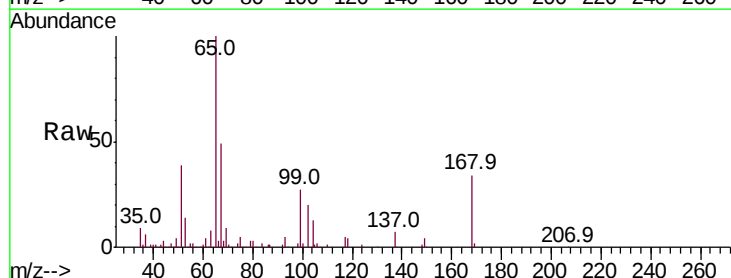
RT: 4.83 min Scan# 426

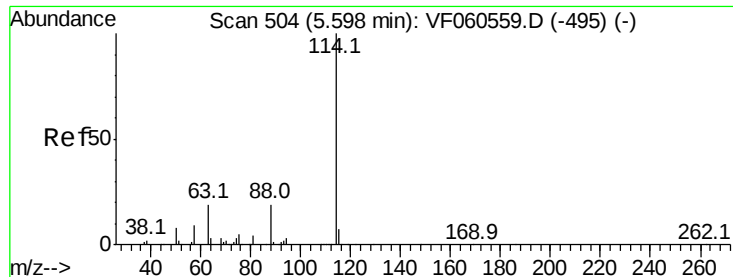
Delta R.T. -0.02 min

Lab File: VF060663.D

Acq: 8 Nov 2018 21:37

Tgt Ion: 65 Resp: 178821
Ion Ratio Lower Upper
65 100
67 49.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.01 min

Lab File: VF060663.D

Acq: 8 Nov 2018 21:37

Instrument :

MSVOA_F

ClientSampleId :

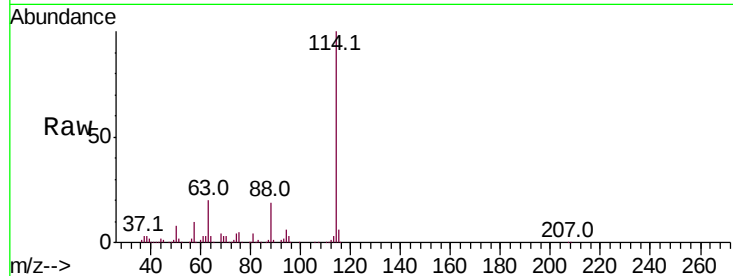
Tot Ion:114 Resp: 427058

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.0

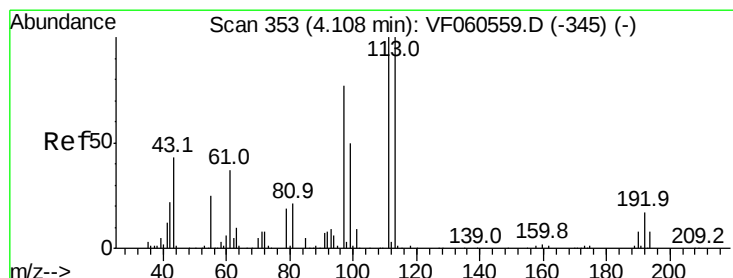
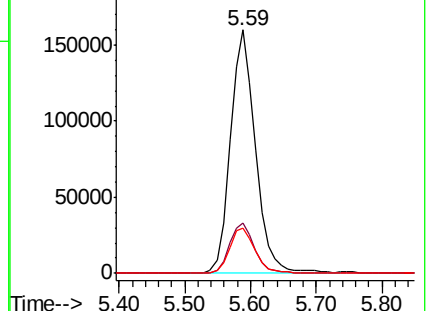
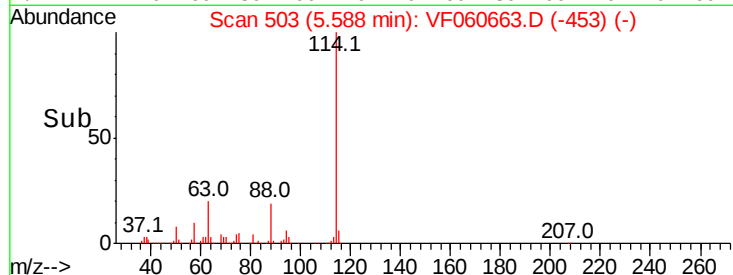
88 18.7 0.0 38.2



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: 66.400 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF060663.D

Acq: 8 Nov 2018 21:37

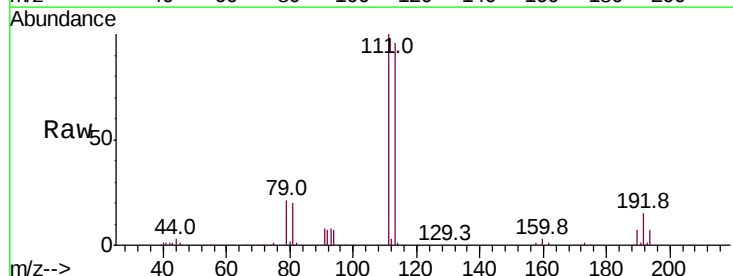
Tgt Ion:113 Resp: 219082

Ion Ratio Lower Upper

113 100

111 103.8 79.9 119.9

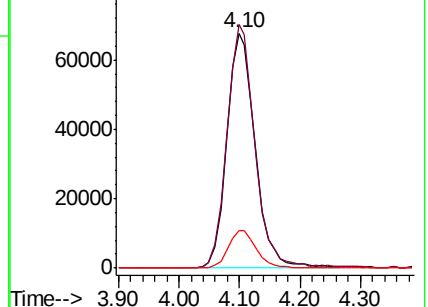
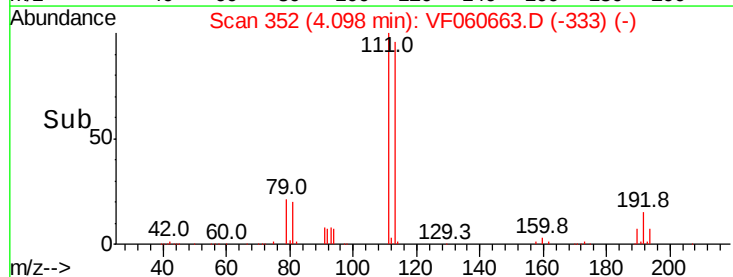
192 16.4 13.3 19.9

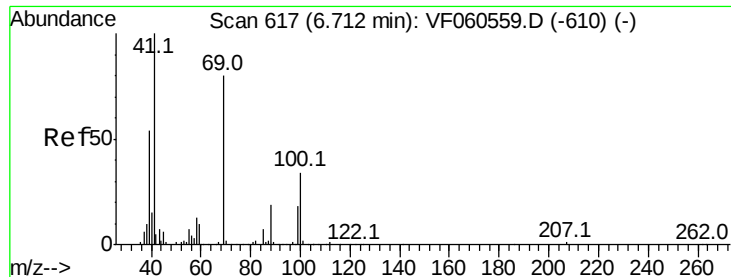


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 3.250 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.01 min

Lab File: VF060663.D

Acq: 8 Nov 2018 21:37

Instrument :
MSVOA_F
ClientSampled :

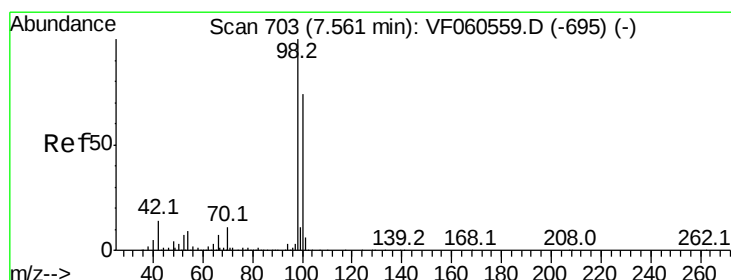
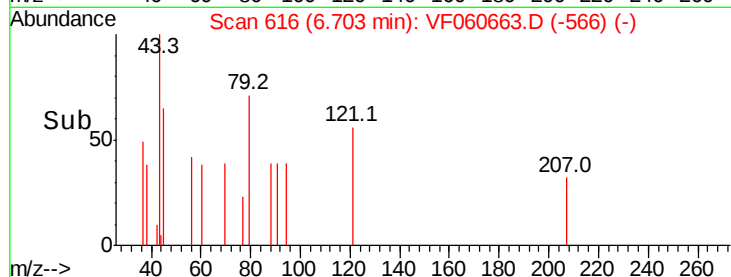
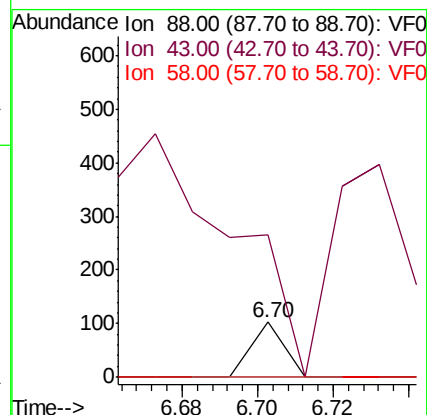
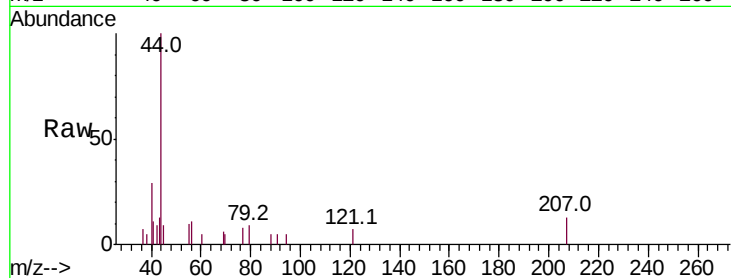
Tot Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 257.3 61.2 91.8#

58 0.0 56.9 85.3#



#50

Toluene-d8

Concen: 54.604 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF060663.D

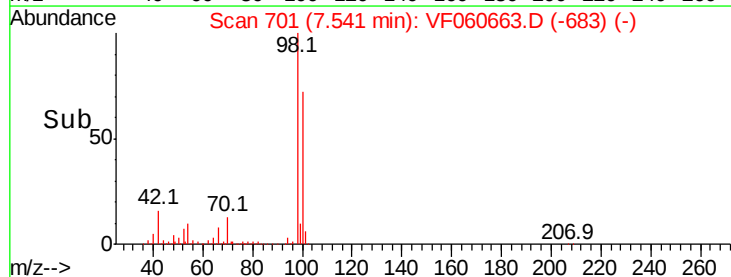
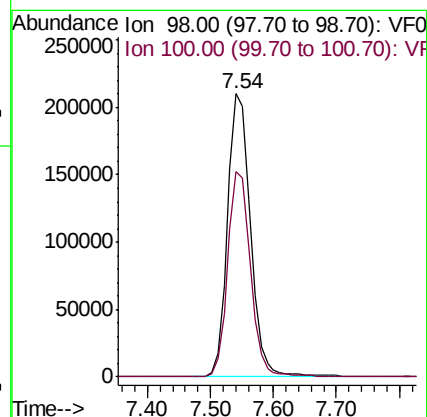
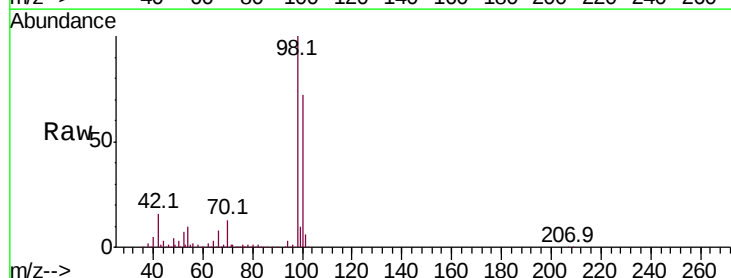
Acq: 8 Nov 2018 21:37

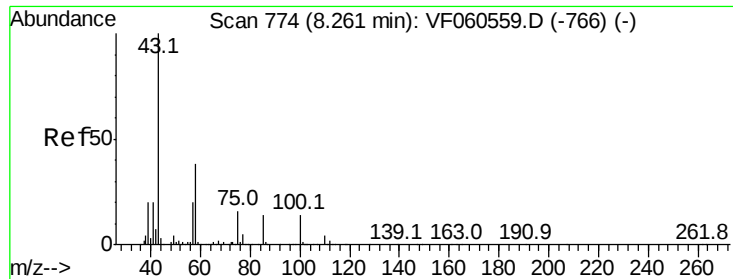
Tgt Ion: 98 Resp: 533699

Ion Ratio Lower Upper

98 100

100 72.4 59.4 89.2





#51

4-Methyl-2-Pentanone

Concen: 1.445 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF060663.D

Acq: 8 Nov 2018 21:37

Instrument :

MSVOA_F

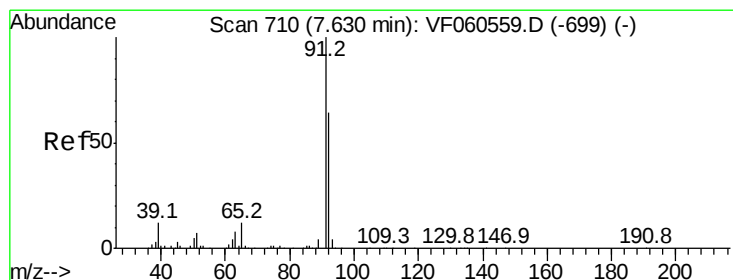
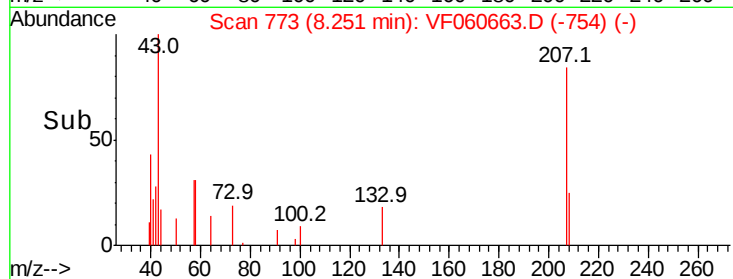
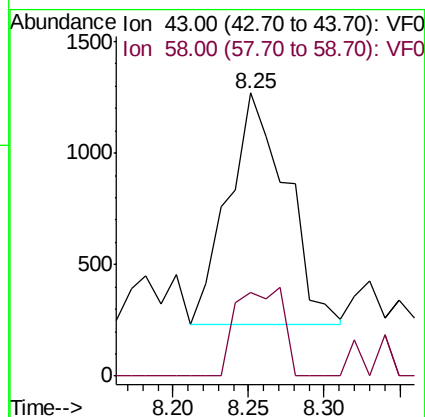
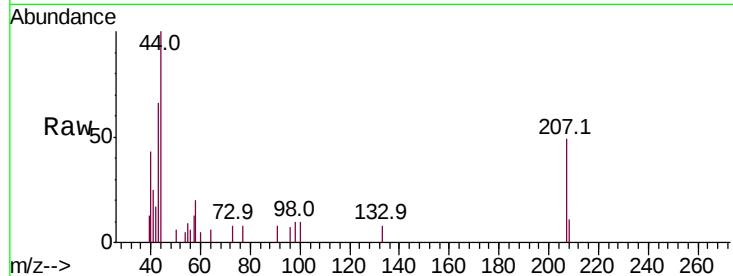
ClientSampleId :

Tot Ion: 43 Resp: 2775

Ion Ratio Lower Upper

43 100

58 29.7 30.1 45.1#



#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 7.62 min Scan# 709

Delta R.T. -0.01 min

Lab File: VF060663.D

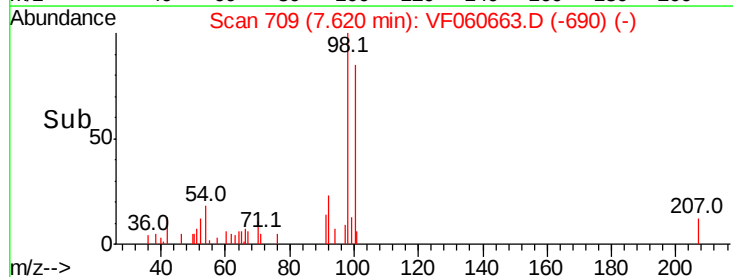
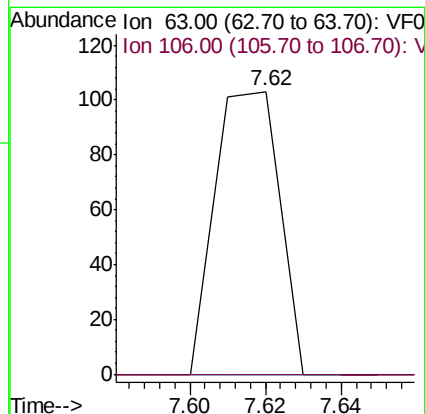
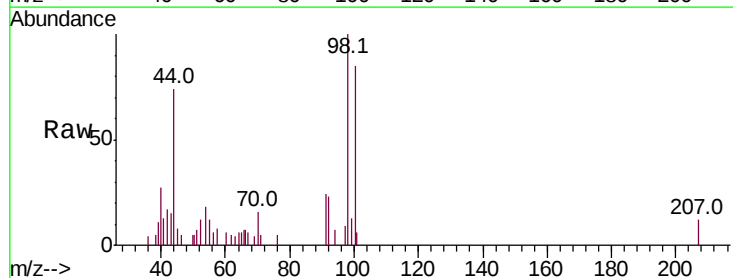
Acq: 8 Nov 2018 21:37

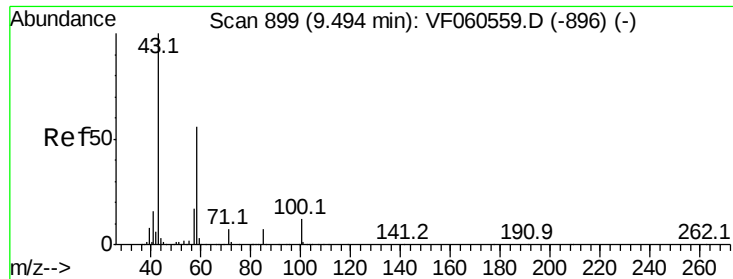
Tgt Ion: 63 Resp: 121

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

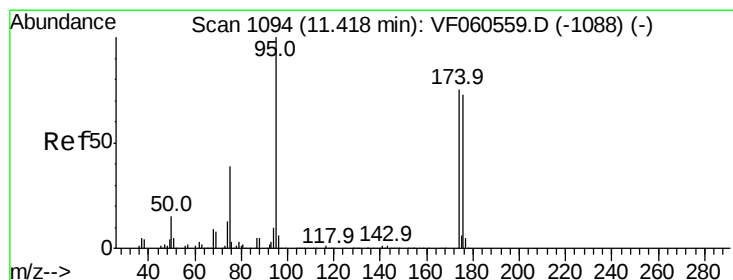
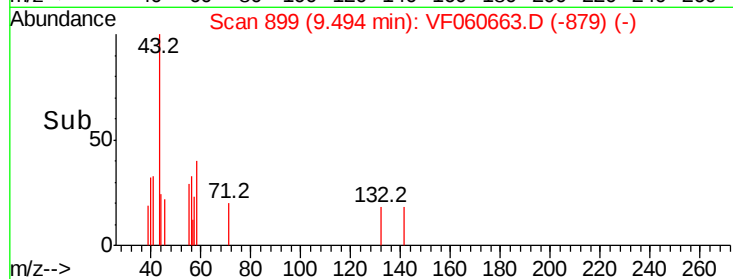
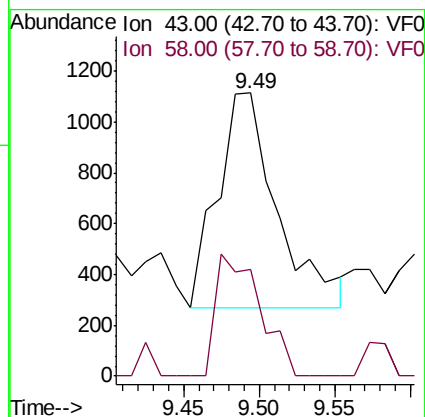
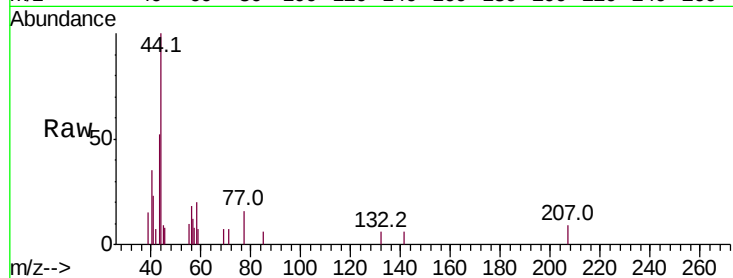




#59
2-Hexanone
Concen: Below Cal
RT: 9.49 min Scan# 899
Delta R.T. 0.00 min
Lab File: VF060663.D
Acq: 8 Nov 2018 21:37

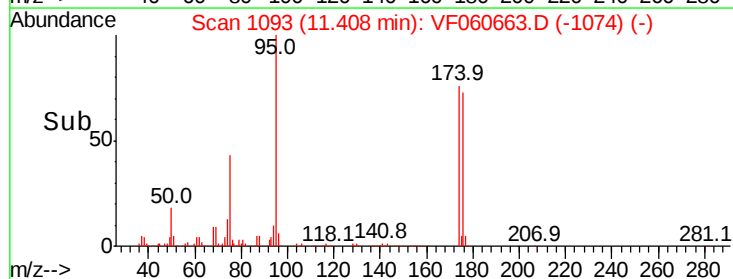
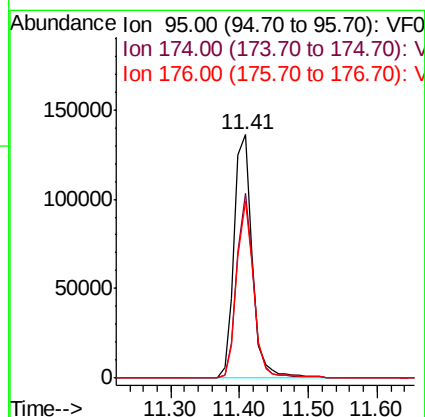
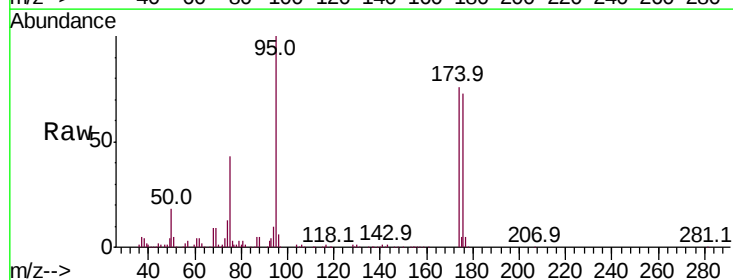
Instrument :
MSVOA_F
ClientSampleId :

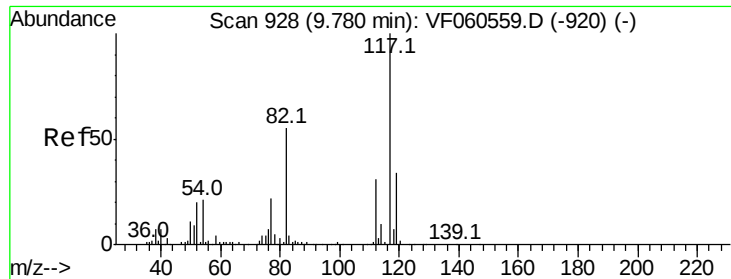
Tot Ion: 43 Resp: 2307
Ion Ratio Lower Upper
43 100
58 37.6 26.1 78.3



#62
4-Bromofluorobenzene
Concen: 58.494 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VF060663.D
Acq: 8 Nov 2018 21:37

Tgt Ion: 95 Resp: 250075
Ion Ratio Lower Upper
95 100
174 76.1 0.0 149.0
176 72.7 0.0 145.6

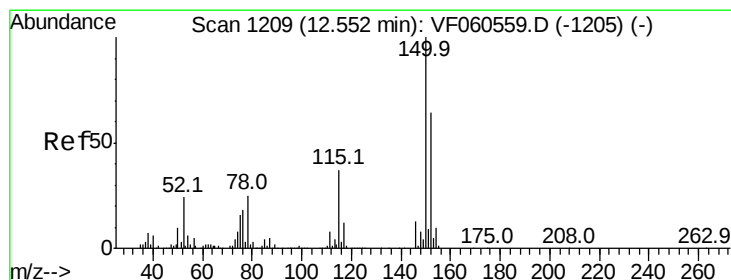
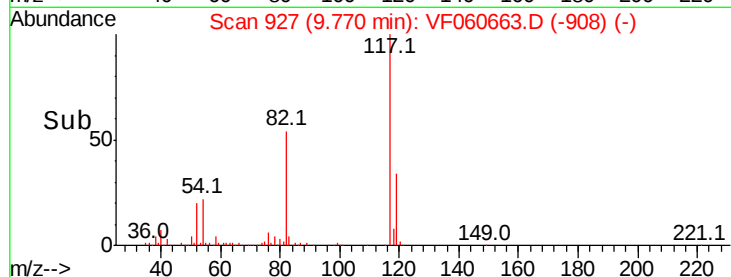
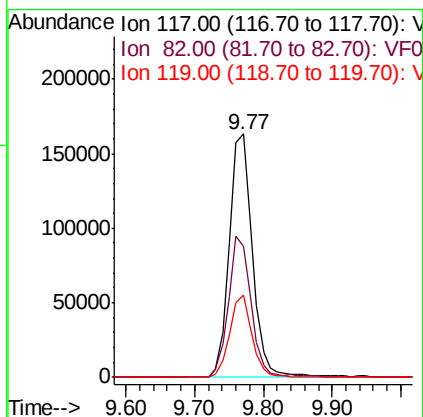
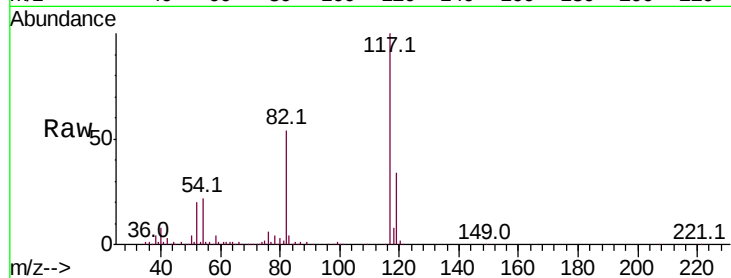




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF060663.D
Acq: 8 Nov 2018 21:37

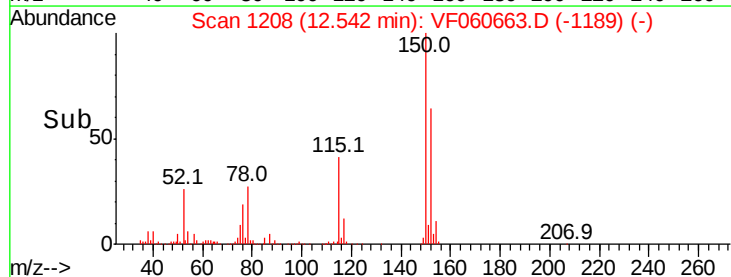
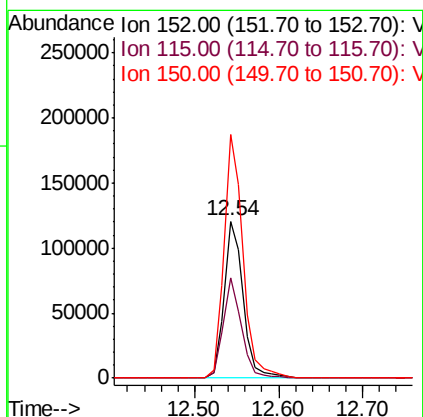
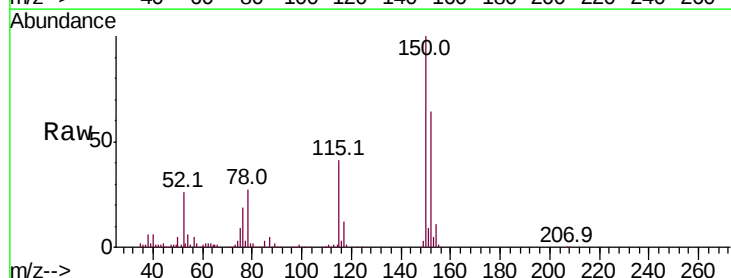
Instrument :
MSVOA_F
ClientSampleId :

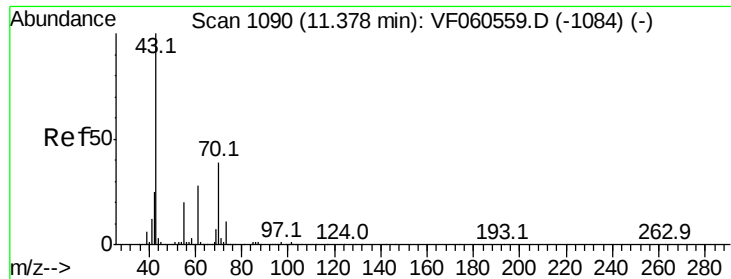
Tot Ion:117 Resp: 380607
Ion Ratio Lower Upper
117 100
82 53.6 43.9 65.9
119 33.6 27.4 41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF060663.D
Acq: 8 Nov 2018 21:37

Tgt Ion:152 Resp: 189473
Ion Ratio Lower Upper
152 100
115 63.9 29.6 88.8
150 155.5 0.0 315.6





#74
 N-amvl acetate
 Concen: Below Cal
 RT: 11.38 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VF060663.D
 Acq: 8 Nov 2018 21:37

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 43 Resp: 910
 Ion Ratio Lower Upper
 43 100
 70 21.0 30.9 46.3#
 55 48.9 16.6 24.8#
 61 54.0 22.0 33.0#

