

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110818\
 Data File : VF060662.D
 Acq On : 8 Nov 2018 21:08
 Operator : VA/AP
 Sample : J5858-03RE
 Misc : 5.42g/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 09 12:35:12 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	228427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	404802	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	352053	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	192149	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	114850	49.76	ug/l	-0.01
Spiked Amount						
			Recovery	=		99.52%
35) Dibromofluoromethane	4.10	113	142864	45.68	ug/l	0.00
Spiked Amount						
			Recovery	=		91.36%
50) Toluene-d8	7.55	98	298303	32.20	ug/l	-0.01
Spiked Amount						
			Recovery	=		64.40%
62) 4-Bromofluorobenzene	11.40	95	149100	36.79	ug/l	-0.01
Spiked Amount						
			Recovery	=		73.58%

Target Compounds

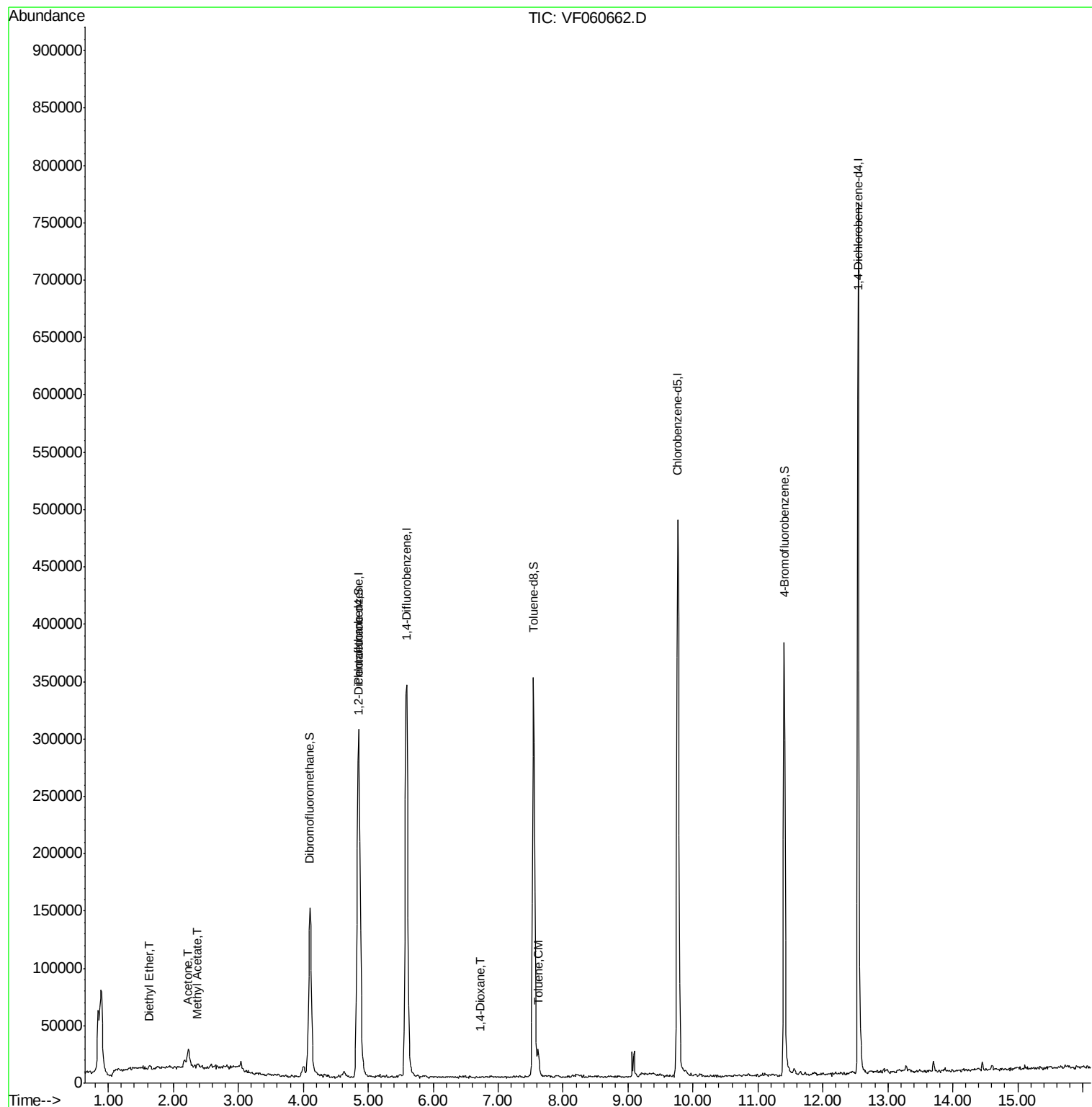
					Qvalue
2) Dichlorodifluoromethane	0.96	85	439	Below Cal	# 41
6) Chloroethane	1.34	64	81	Below Cal	# 1
8) Diethyl Ether	1.63	74	768	1.202 ug/l	75
11) Tert butyl alcohol	2.57	59	397	Below Cal	# 1
13) Acrolein	1.95	56	897	Below Cal	96
16) Acetone	2.23	43	18412	33.855 ug/l	# 90
18) Methyl Acetate	2.37	43	1520	2.261 ug/l	# 64
20) Methylene Chloride	2.22	84	2941	Below Cal	# 86
25) 2-Butanone	4.34	43	3392	Below Cal	# 87
29) Tetrahydrofuran	4.08	42	876	Below Cal	# 76
49) 1,4-Dioxane	6.71	88	62	3.484 ug/l	# 3
52) Toluene	7.62	92	10195	1.447 ug/l	90
58) 2-Chloroethyl Vinyl ether	7.63	63	1244	Below Cal	100
59) 2-Hexanone	9.49	43	2734	Below Cal	80
74) N-amyl acetate	11.37	43	803	Below Cal	# 72
89) n-Butylbenzene	12.84	91	723	Below Cal	# 46

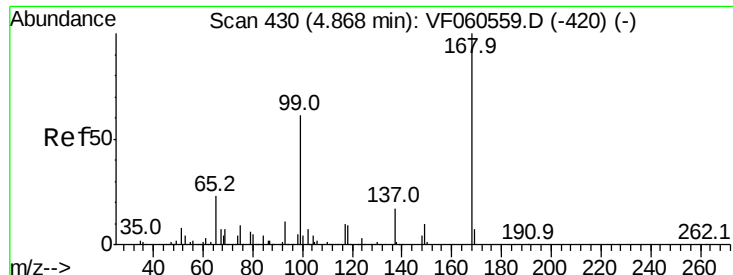
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF060662.D

Acq: 8 Nov 2018 21:08

Instrument :

MSVOA_F

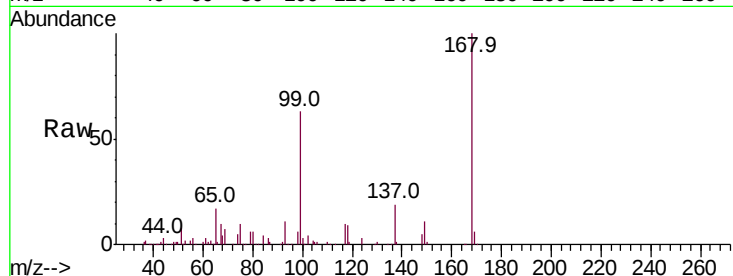
ClientSampleId :

Tot Ion:168 Resp: 228427

Ion Ratio Lower Upper

168 100

99 62.6 48.6 72.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

60000

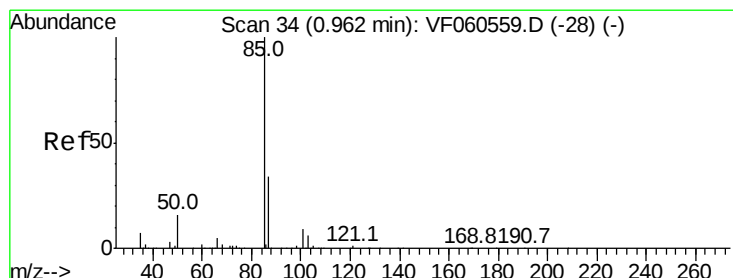
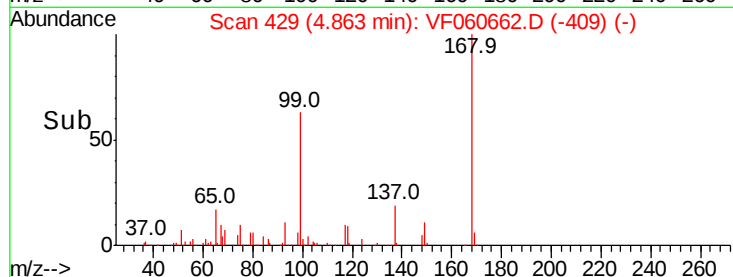
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.96 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF060662.D

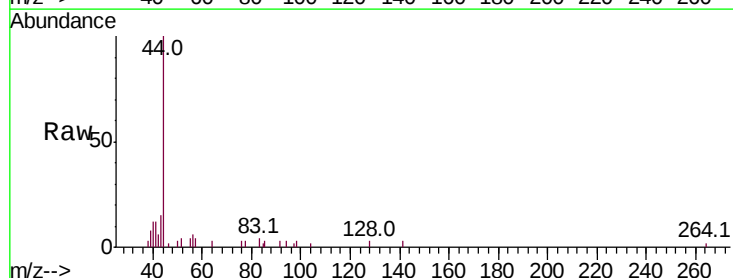
Acq: 8 Nov 2018 21:08

Tgt Ion: 85 Resp: 439

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

250

200

150

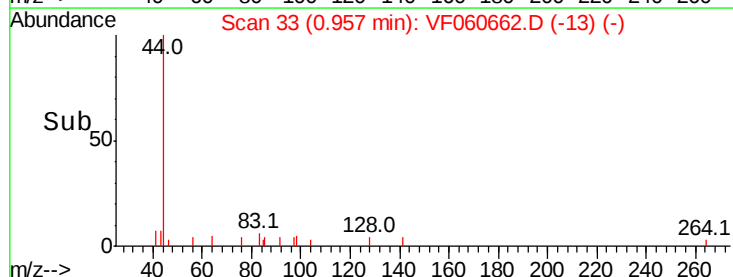
100

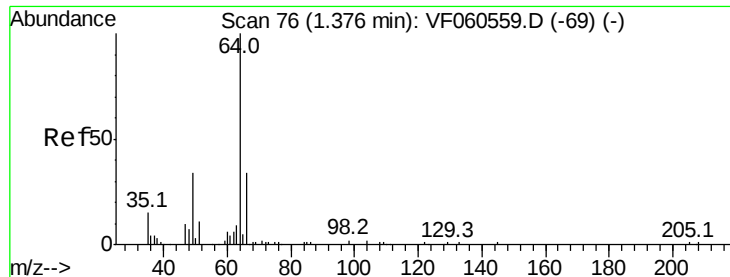
50

0

0.90 0.95 1.00

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.34 min Scan# 72

Delta R.T. -0.03 min

Lab File: VF060662.D

Acq: 8 Nov 2018 21:08

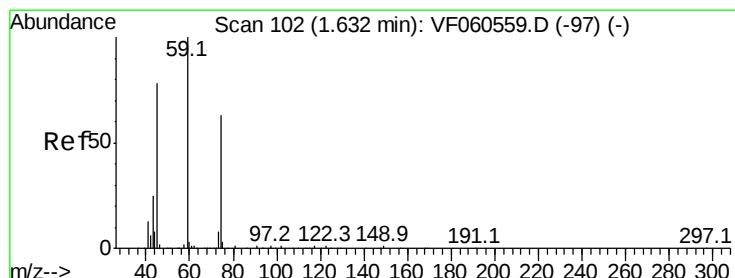
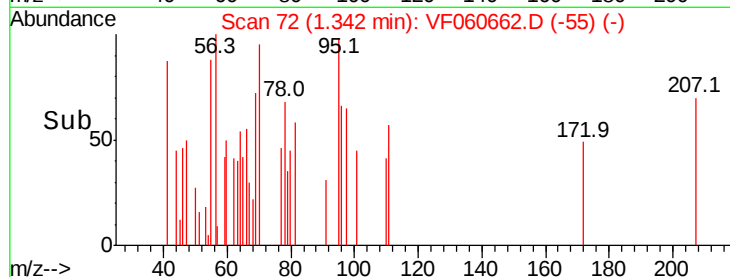
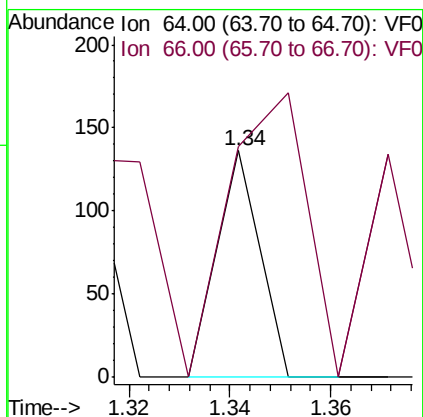
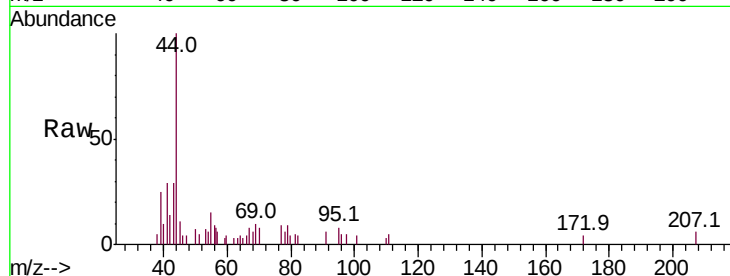
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 64 Resp: 81

Ion Ratio Lower Upper

64 100

66 102.2 27.8 41.8#



#8

Diethyl Ether

Concen: 1.202 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.00 min

Lab File: VF060662.D

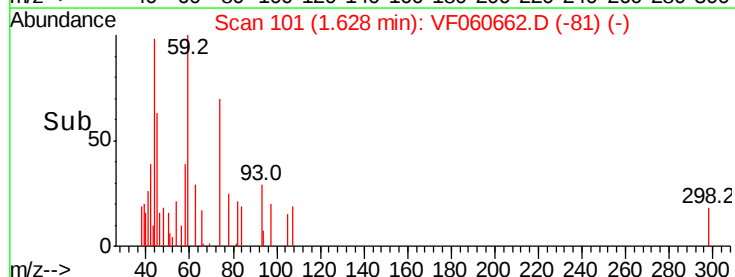
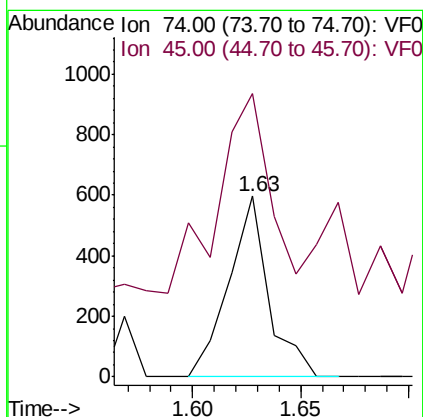
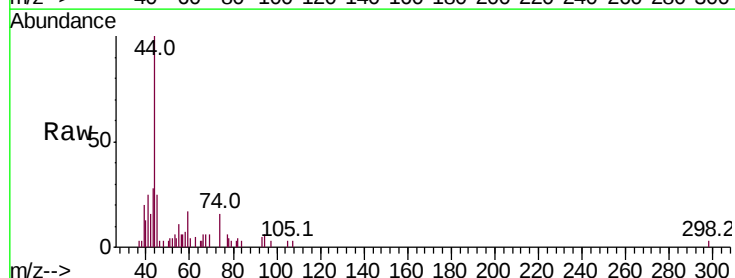
Acq: 8 Nov 2018 21:08

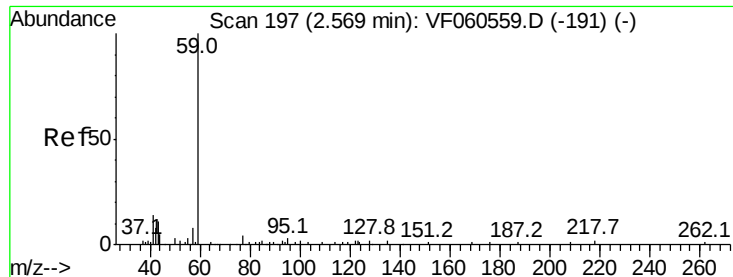
Tgt Ion: 74 Resp: 768

Ion Ratio Lower Upper

74 100

45 156.9 63.8 191.5



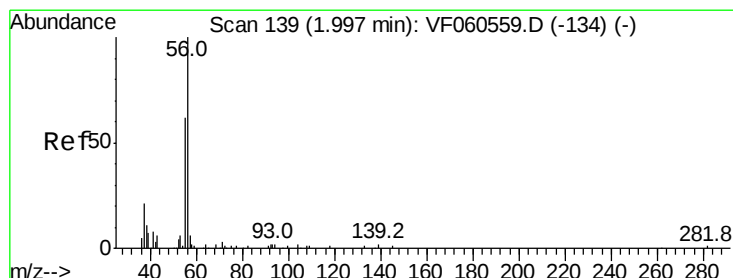
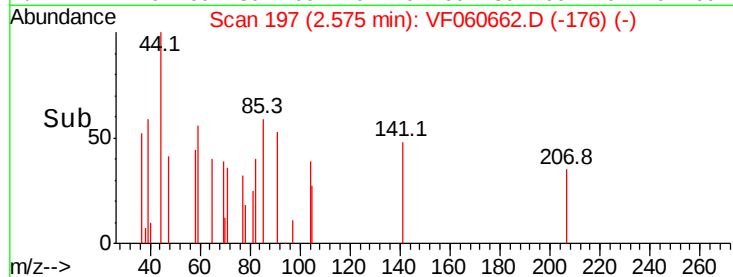
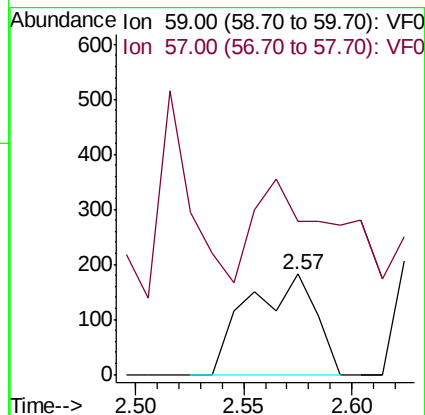
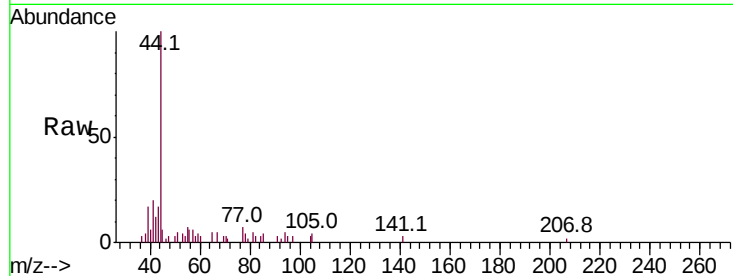


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.57 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF060662.D
Acq: 8 Nov 2018 21:08

Instrument :
MSVOA_F
ClientSampled :

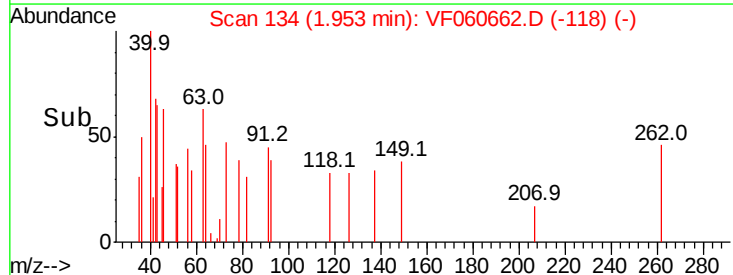
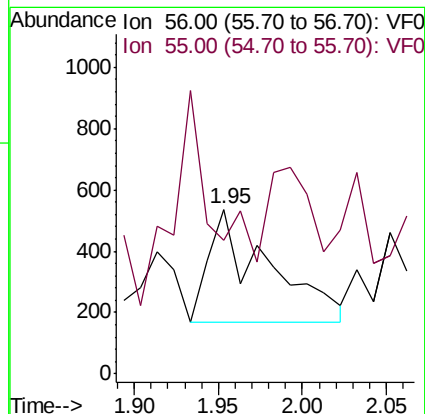
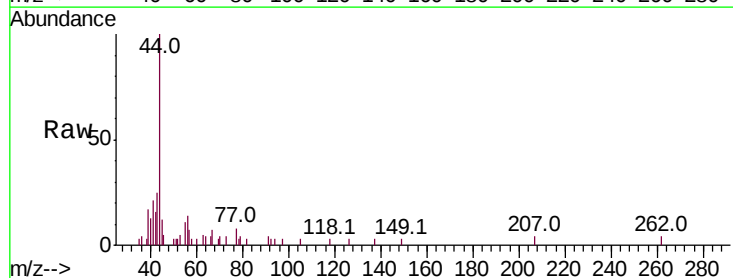
Tot Ion: 59 Resp: 397
Ion Ratio Lower Upper
59 100
57 153.3 19.0 28.4#

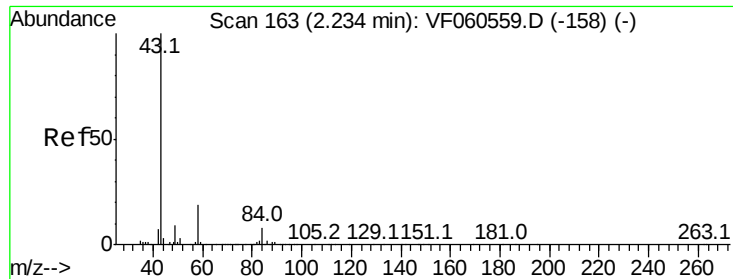


#13

Acrolein
Concen: Below Cal
RT: 1.95 min Scan# 134
Delta R.T. -0.04 min
Lab File: VF060662.D
Acq: 8 Nov 2018 21:08

Tgt Ion: 56 Resp: 897
Ion Ratio Lower Upper
56 100
55 81.0 61.8 92.6

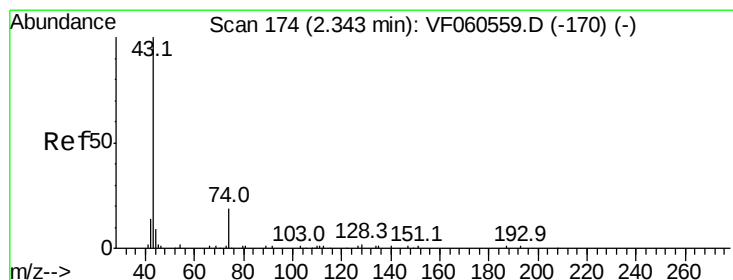
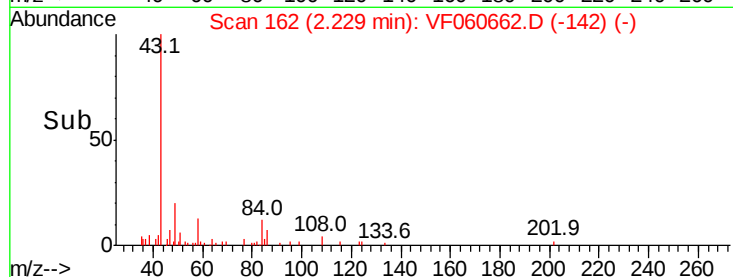
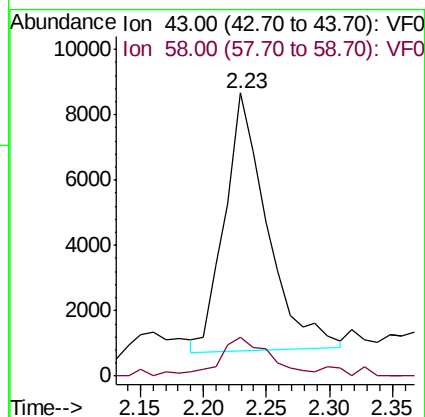
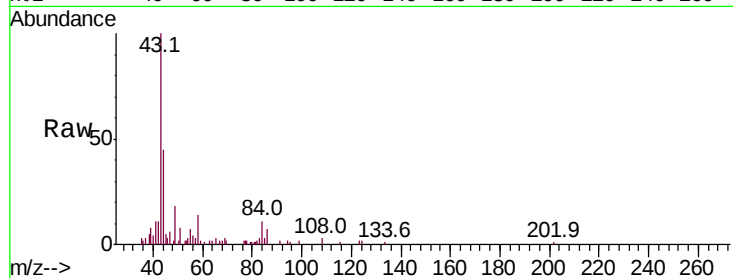




#16
Acetone
Concen: 33.855 ug/l
RT: 2.23 min Scan# 162
Delta R.T. -0.00 min
Lab File: VF060662.D
Acq: 8 Nov 2018 21:08

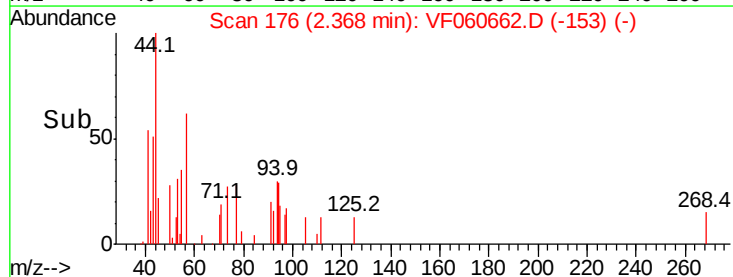
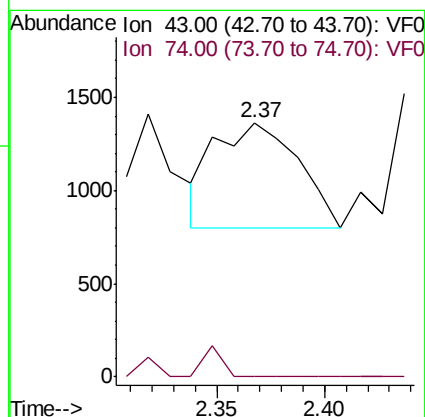
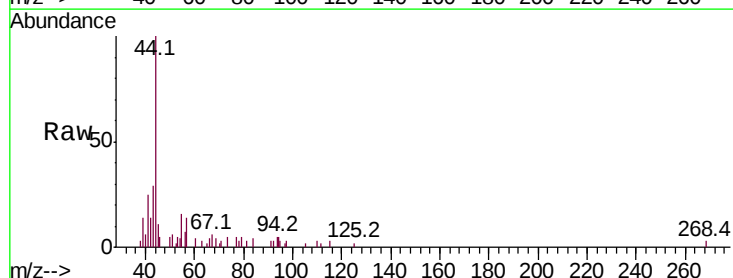
Instrument :
MSVOA_F
ClientSampleId :

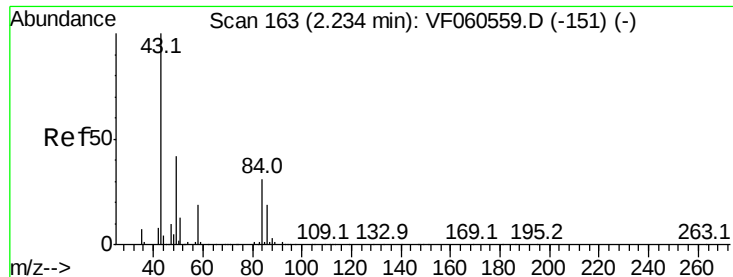
Tot Ion: 43 Resp: 18412
Ion Ratio Lower Upper
43 100
58 13.7 14.6 22.0#



#18
Methyl Acetate
Concen: 2.261 ug/l
RT: 2.37 min Scan# 176
Delta R.T. 0.03 min
Lab File: VF060662.D
Acq: 8 Nov 2018 21:08

Tgt Ion: 43 Resp: 1520
Ion Ratio Lower Upper
43 100
74 0.0 12.1 18.1#

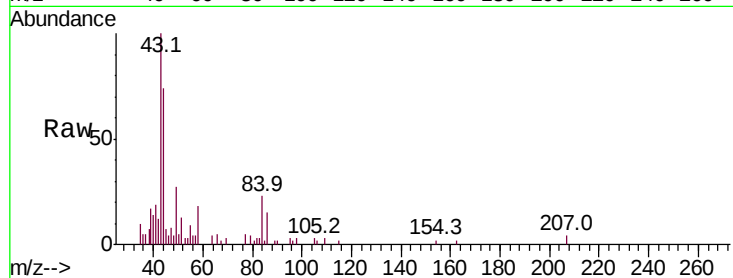




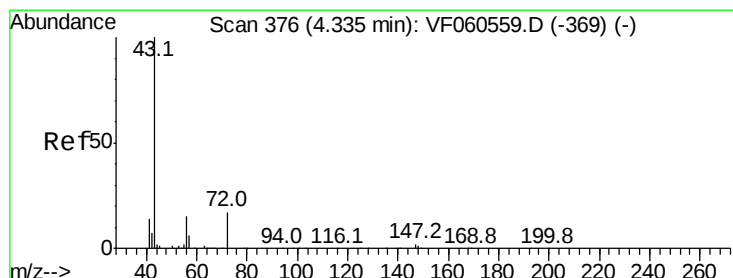
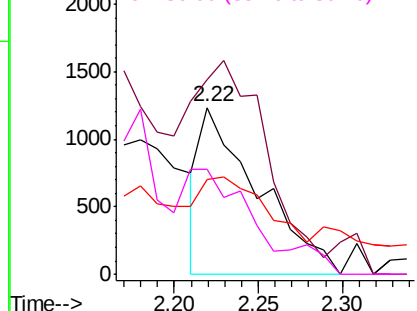
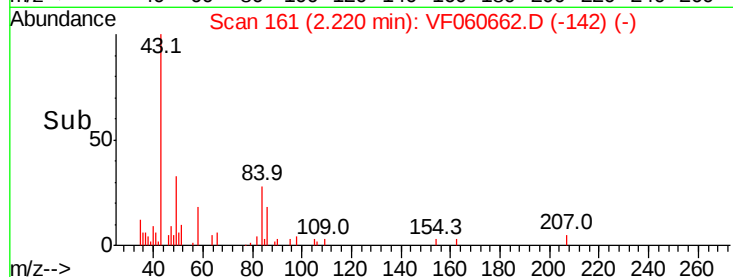
#20
Methvlene Chloride
Concen: Below Cal
RT: 2.22 min Scan# 161
Delta R.T. -0.01 min
Lab File: VF060662.D
Acq: 8 Nov 2018 21:08

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 84 Resp: 2941
Ion Ratio Lower Upper
84 100
49 116.8 109.9 164.9
51 56.8 35.8 53.8#
86 63.1 48.3 72.5

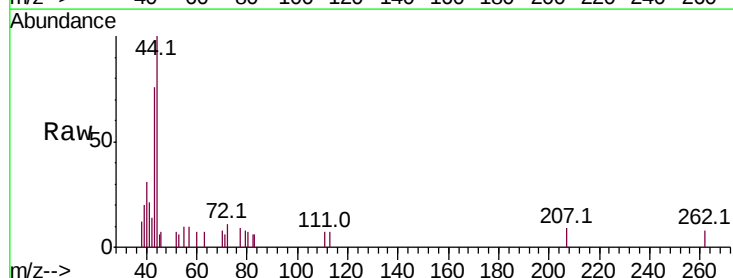


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

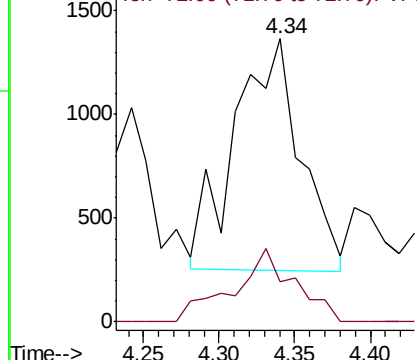
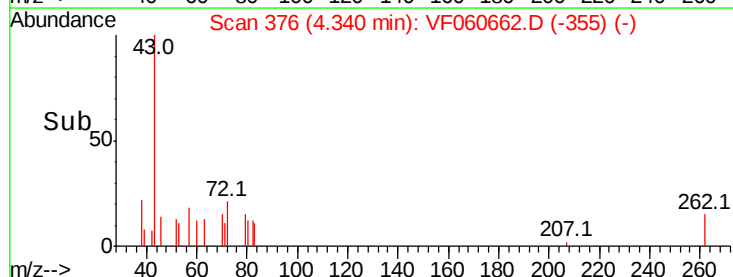


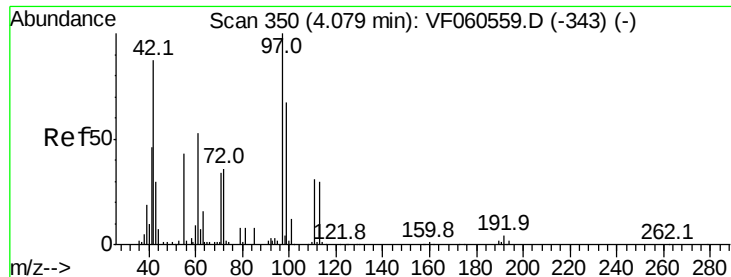
#25
2-Butanone
Concen: Below Cal
RT: 4.34 min Scan# 376
Delta R.T. 0.01 min
Lab File: VF060662.D
Acq: 8 Nov 2018 21:08

Tgt Ion: 43 Resp: 3392
Ion Ratio Lower Upper
43 100
72 14.4 16.2 24.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0





#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.08 min Scan# 350

Delta R.T. 0.01 min

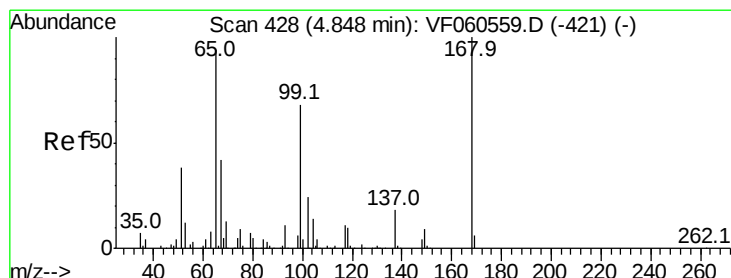
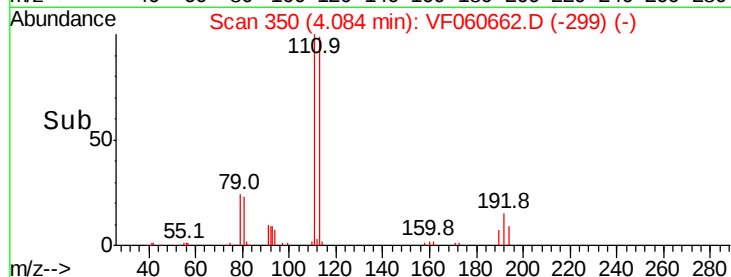
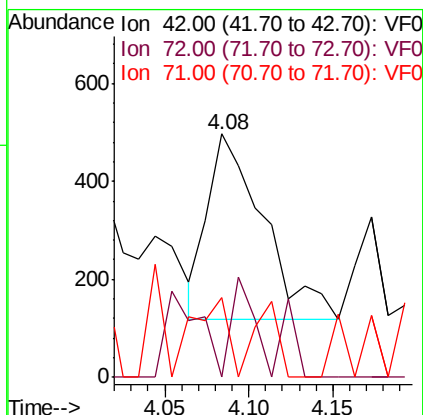
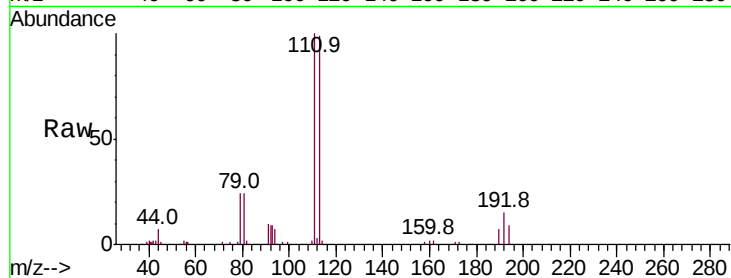
Lab File: VF060662.D

Acq: 8 Nov 2018 21:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 42 Resp: 876

Ion	Ratio	Lower	Upper
42	100		
72	21.9	31.4	47.0#
71	27.1	31.8	47.6#



#33

1,2-Dichloroethane-d4

Concen: 49.763 ug/l

RT: 4.83 min Scan# 426

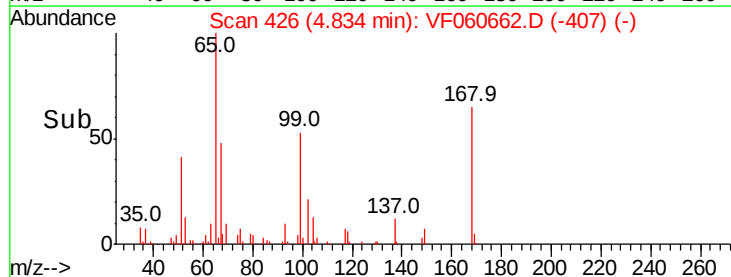
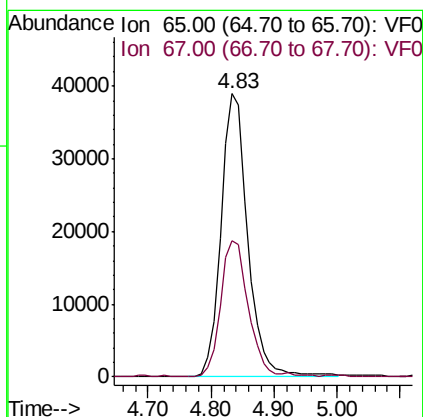
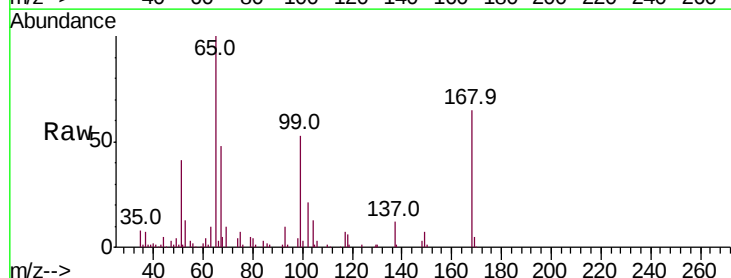
Delta R.T. -0.01 min

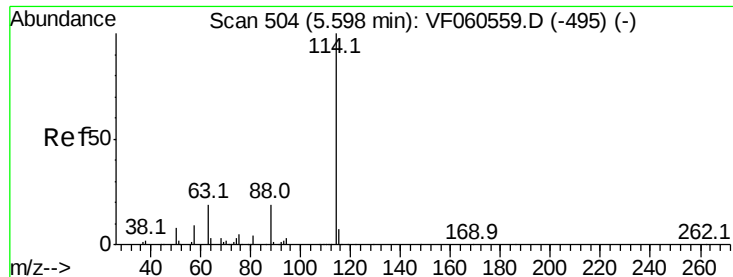
Lab File: VF060662.D

Acq: 8 Nov 2018 21:08

Tgt Ion: 65 Resp: 114850

Ion	Ratio	Lower	Upper
65	100		
67	48.3	0.0	101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF060662.D

Acq: 8 Nov 2018 21:08

Instrument :

MSVOA_F

ClientSampleId :

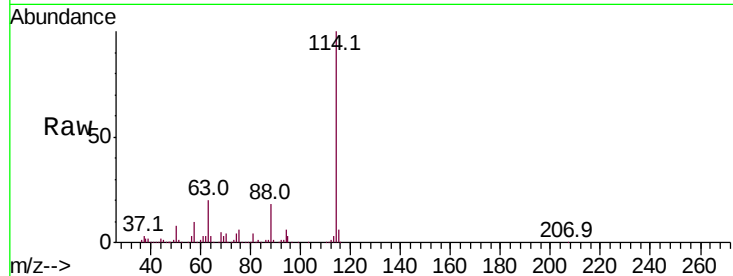
Tot Ion:114 Resp: 404802

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.0

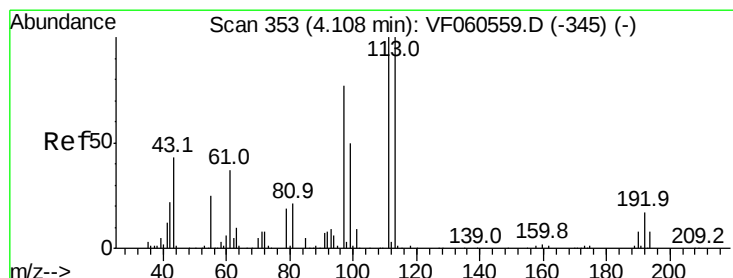
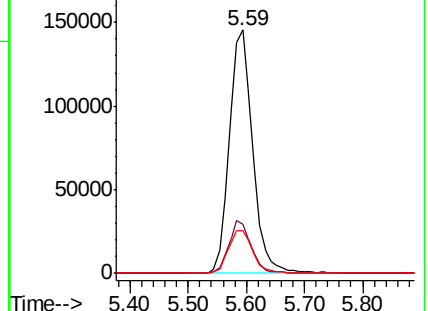
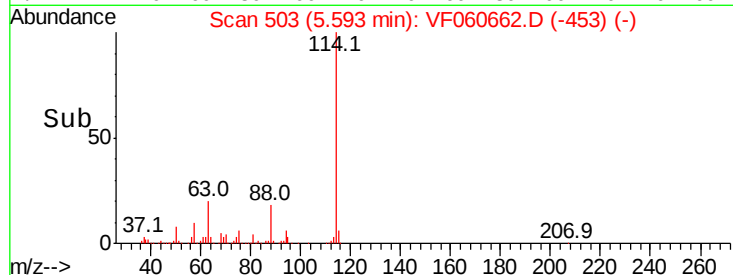
88 17.7 0.0 38.2



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: 45.680 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.00 min

Lab File: VF060662.D

Acq: 8 Nov 2018 21:08

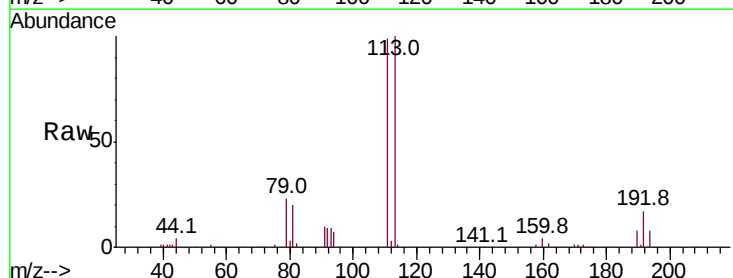
Tgt Ion:113 Resp: 142864

Ion Ratio Lower Upper

113 100

111 99.2 79.9 119.9

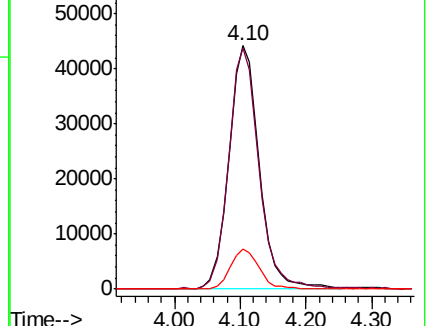
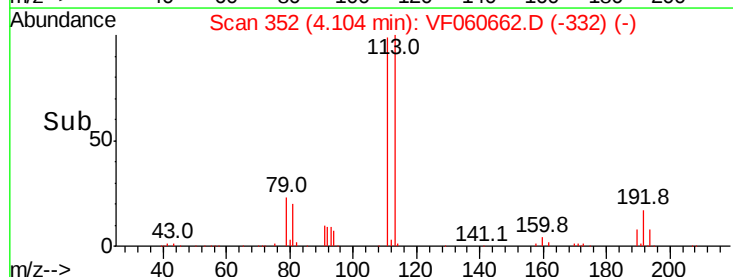
192 16.7 13.3 19.9

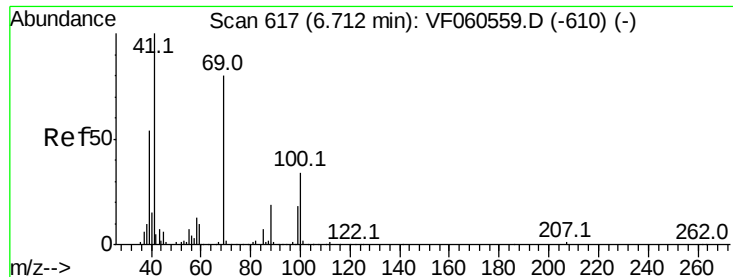


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 3.484 ug/l

RT: 6.71 min Scan# 616

Delta R.T. -0.00 min

Lab File: VF060662.D

Acq: 8 Nov 2018 21:08

Instrument :
MSVOA_F
ClientSampleId :

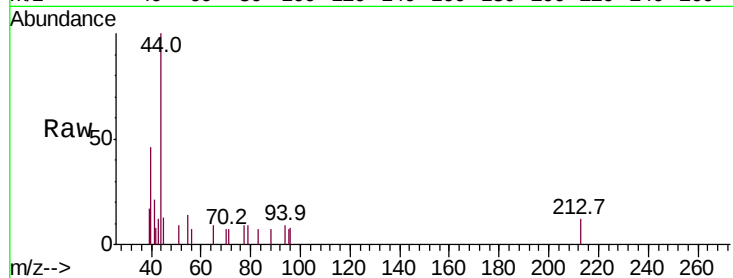
Tot Ion: 88 Resp: 62

Ion Ratio Lower Upper

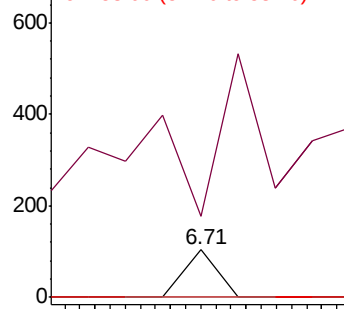
88 100

43 169.2 61.2 91.8#

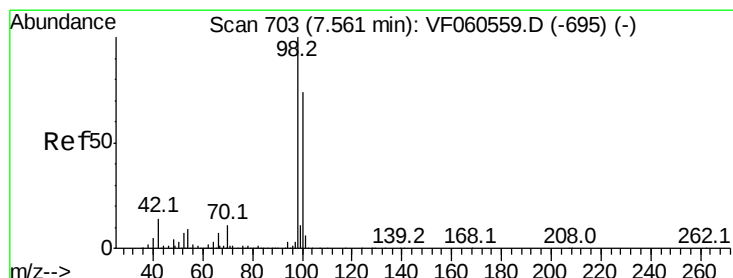
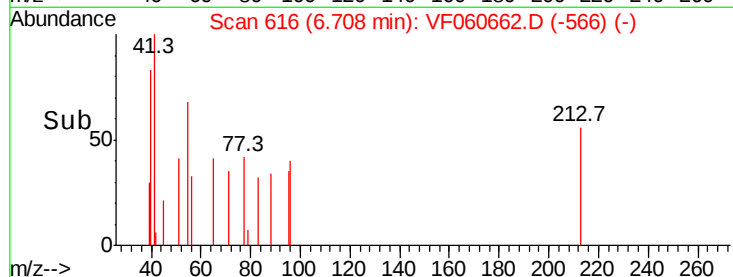
58 0.0 56.9 85.3#



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



Time-->



#50

Toluene-d8

Concen: 32.198 ug/l

RT: 7.55 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF060662.D

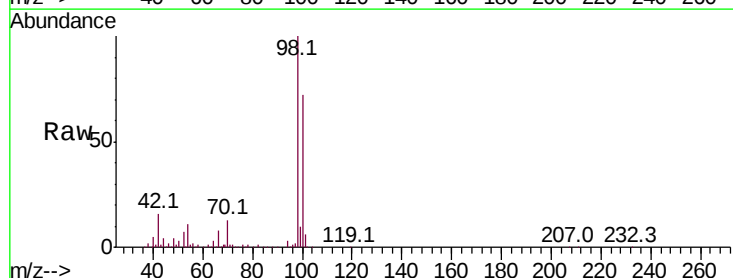
Acq: 8 Nov 2018 21:08

Tgt Ion: 98 Resp: 298303

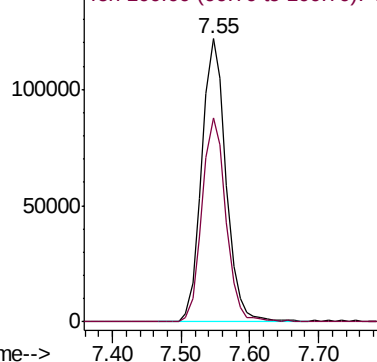
Ion Ratio Lower Upper

98 100

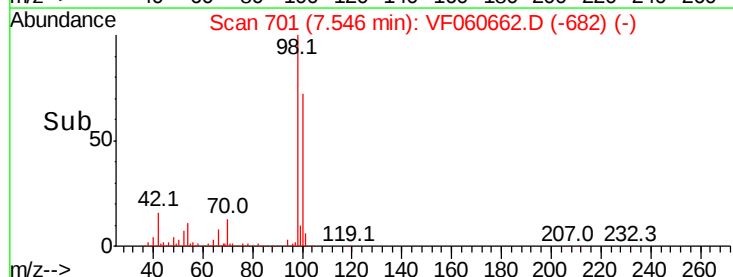
100 72.0 59.4 89.2

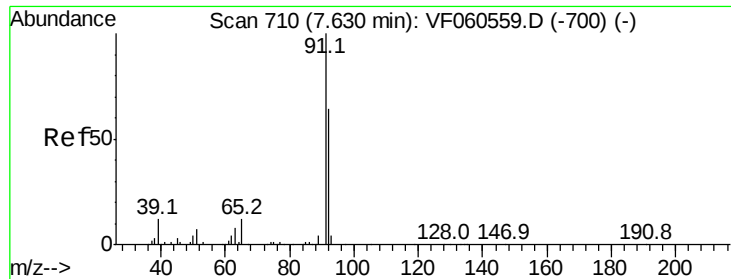


Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0



Time-->





#52

Toluene

Concen: 1.447 ug/l

RT: 7.62 min Scan# 708

Delta R.T. -0.01 min

Lab File: VF060662.D

Acq: 8 Nov 2018 21:08

Instrument :

MSVOA_F

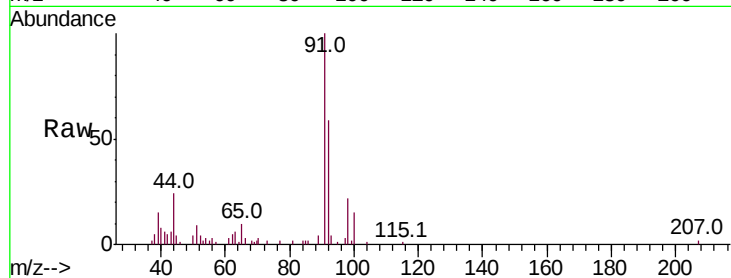
ClientSampled :

Tot Ion: 92 Resp: 10195

Ion Ratio Lower Upper

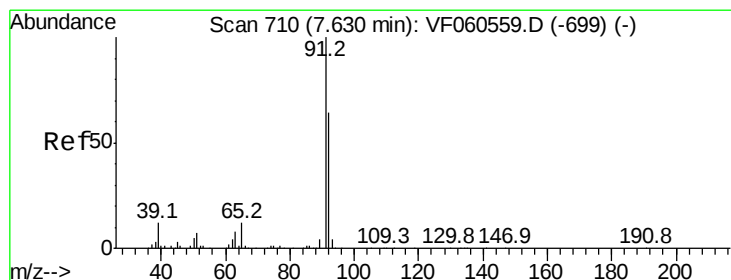
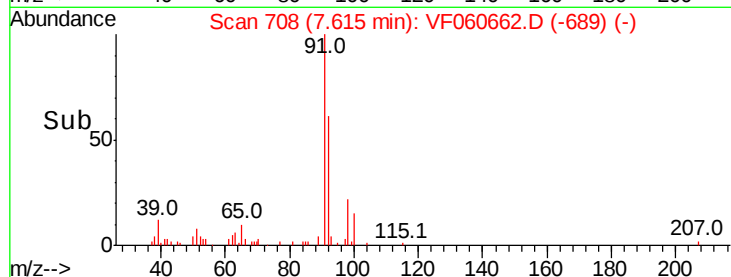
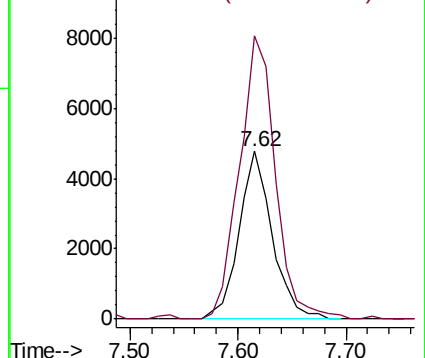
92 100

91 168.6 124.5 186.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 7.63 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF060662.D

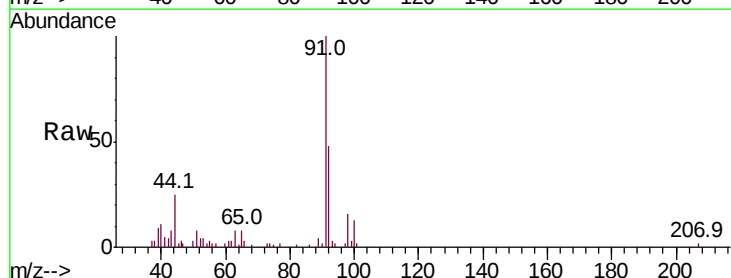
Acq: 8 Nov 2018 21:08

Tgt Ion: 63 Resp: 1244

Ion Ratio Lower Upper

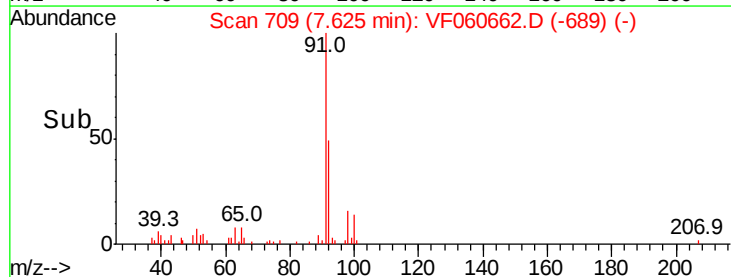
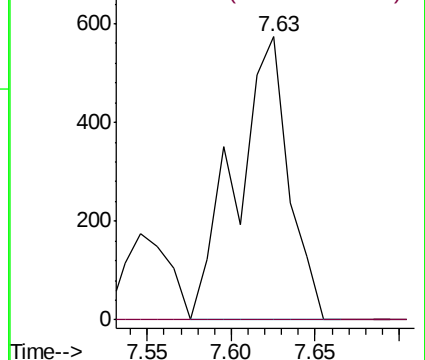
63 100

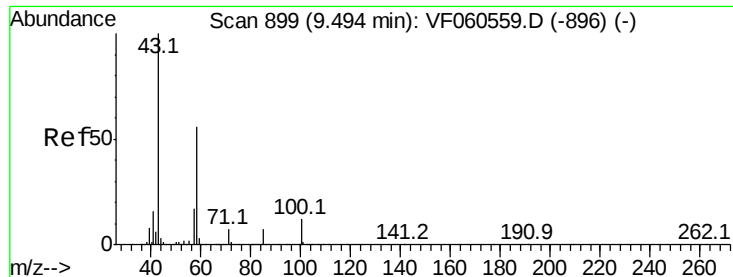
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

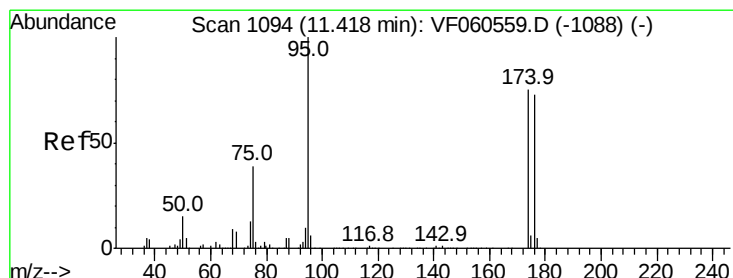
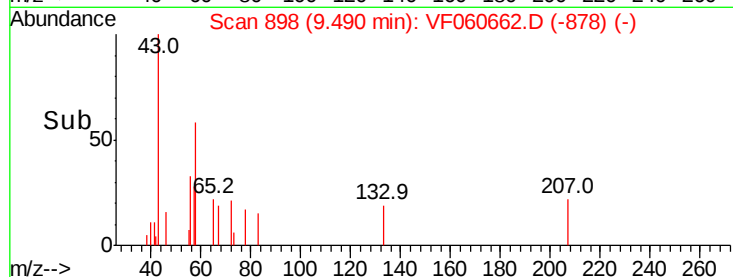
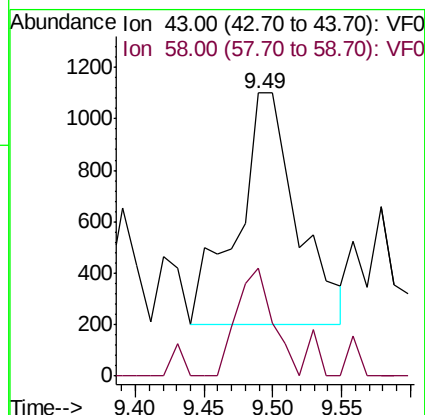
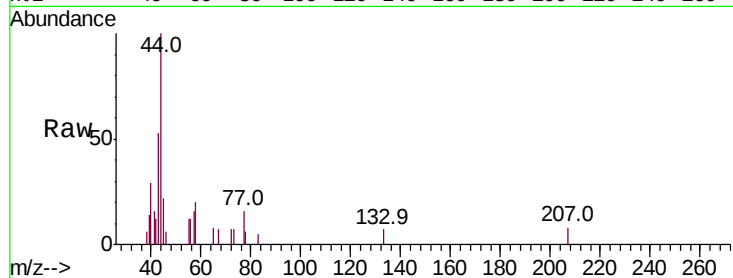




#59
2-Hexanone
Concen: Below Cal
RT: 9.49 min Scan# 898
Delta R.T. -0.00 min
Lab File: VF060662.D
Acq: 8 Nov 2018 21:08

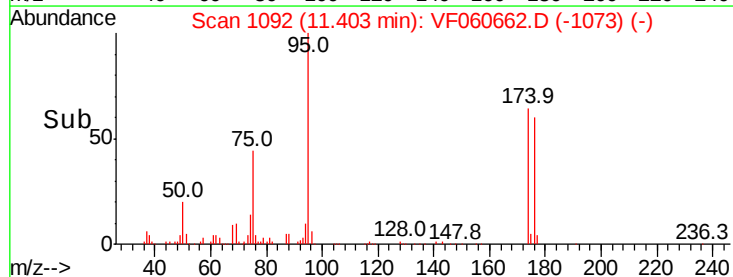
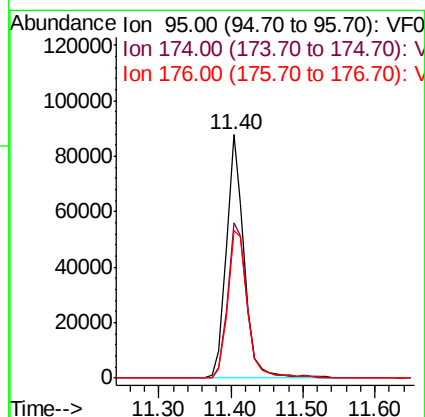
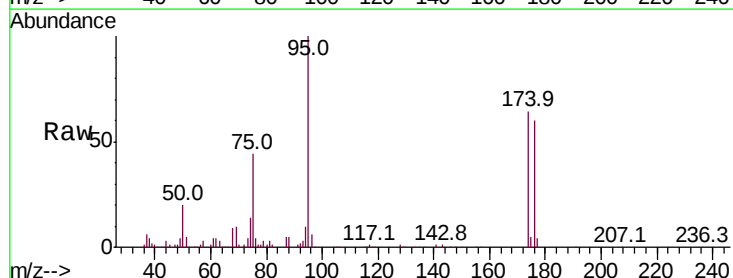
Instrument :
MSVOA_F
ClientSampleId :

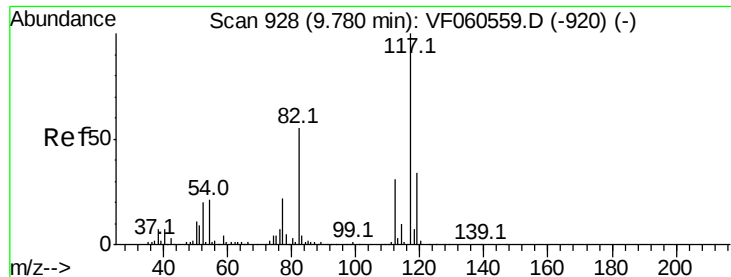
Tot Ion: 43 Resp: 2734
Ion Ratio Lower Upper
43 100
58 38.4 26.1 78.3



#62
4-Bromofluorobenzene
Concen: 36.793 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VF060662.D
Acq: 8 Nov 2018 21:08

Tgt Ion: 95 Resp: 149100
Ion Ratio Lower Upper
95 100
174 63.9 0.0 149.0
176 60.5 0.0 145.6

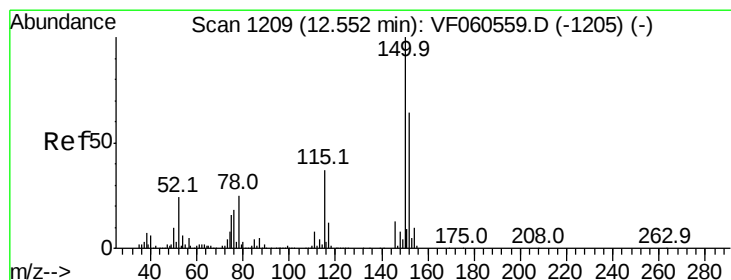
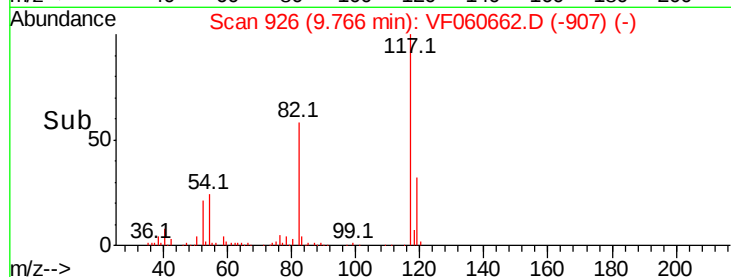
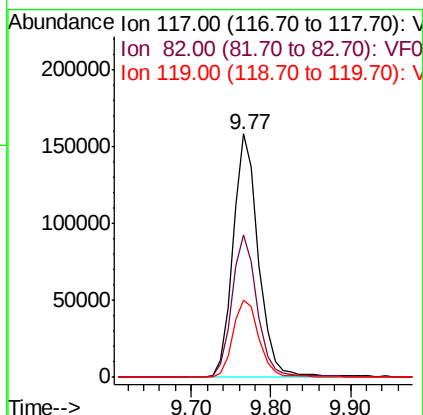
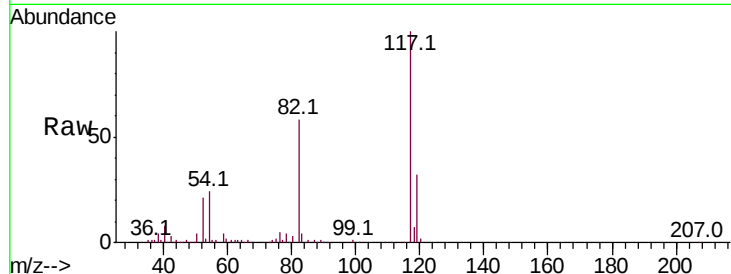




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 926
Delta R.T. -0.01 min
Lab File: VF060662.D
Acq: 8 Nov 2018 21:08

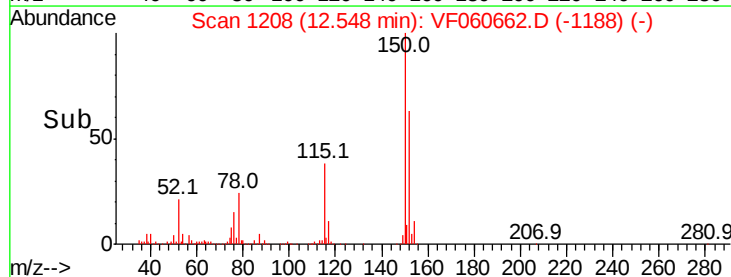
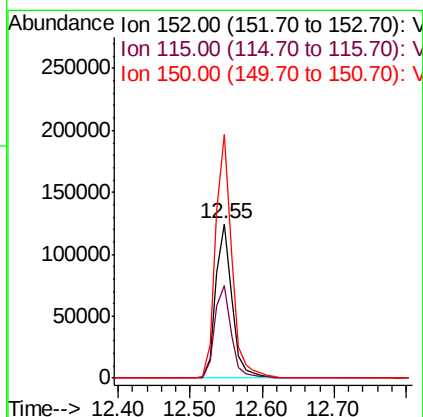
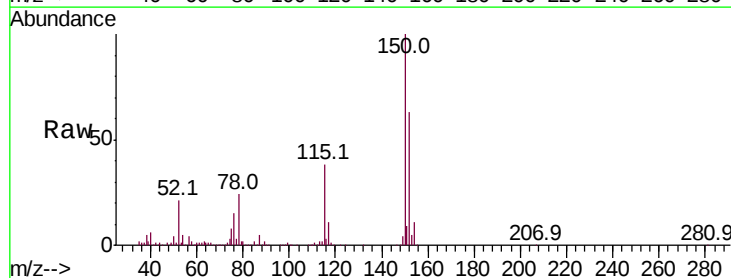
Instrument :
MSVOA_F
ClientSampleId :

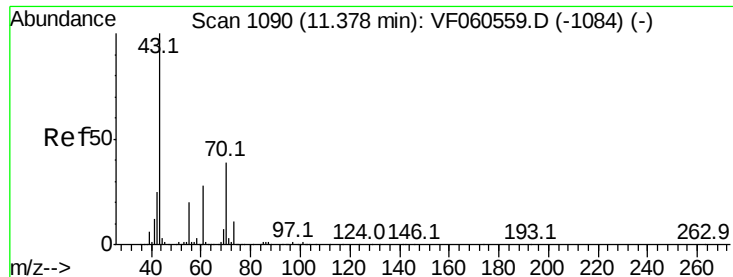
Tot Ion:117 Resp: 352053
Ion Ratio Lower Upper
117 100
82 58.4 43.9 65.9
119 31.9 27.4 41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VF060662.D
Acq: 8 Nov 2018 21:08

Tgt Ion:152 Resp: 192149
Ion Ratio Lower Upper
152 100
115 59.6 29.6 88.8
150 157.9 0.0 315.6





#74

N-amvl acetate

Concen: Below Cal

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF060662.D

Acq: 8 Nov 2018 21:08

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 43 Resp: 803

Ion	Ratio	Lower	Upper
43	100		
70	13.9	30.9	46.3#
55	16.8	16.6	24.8
61	14.8	22.0	33.0#

