

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110818\
 Data File : VF060656.D
 Acq On : 8 Nov 2018 18:17
 Operator : VA/AP
 Sample : J5858-03
 Misc : 5.11g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 09 12:34:01 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	4.87	168	248836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	402909	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	392744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	204423	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	90131	35.85	ug/l	0.00
Spiked Amount			Recovery	=	71.70%	
35) Dibromofluoromethane	4.11	113	113945	36.60	ug/l	0.00
Spiked Amount			Recovery	=	73.20%	
50) Toluene-d8	7.55	98	254484	27.60	ug/l	0.00
Spiked Amount			Recovery	=	55.20%	
62) 4-Bromofluorobenzene	11.41	95	130728	32.41	ug/l	0.00
Spiked Amount			Recovery	=	64.82%	

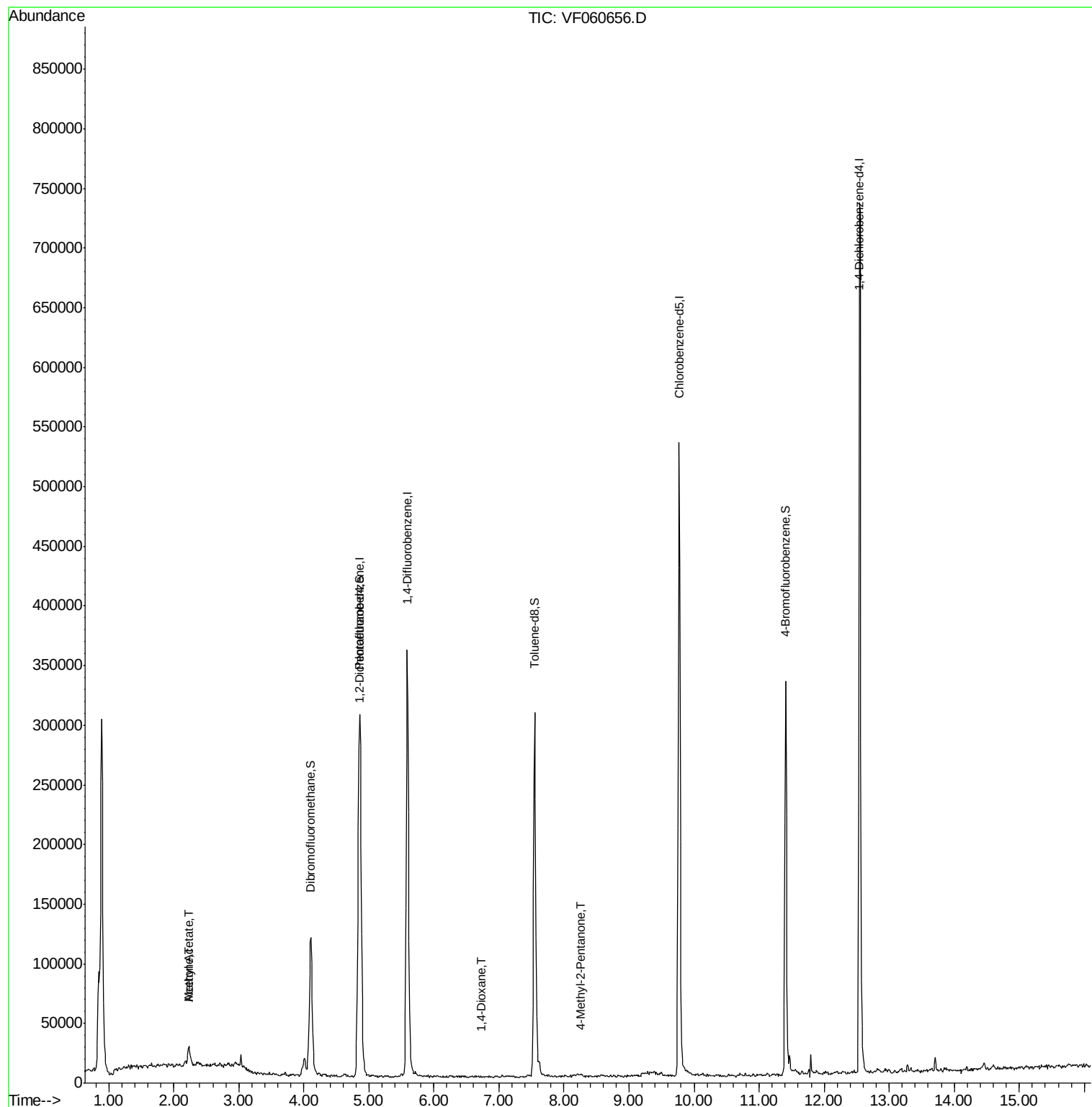
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	455	Below Cal	#	41
6) Chloroethane	1.39	64	150	Below Cal	#	1
11) Tert butyl alcohol	2.57	59	364	Below Cal	#	1
13) Acrolein	1.98	56	370	Below Cal	#	8
16) Acetone	2.23	43	25307	42.717	ug/l #	91
18) Methyl Acetate	2.23	43	25307	27.716	ug/l #	64
20) Methylene Chloride	2.23	84	955	Below Cal	#	53
25) 2-Butanone	4.34	43	3832	Below Cal		98
29) Tetrahydrofuran	4.08	42	1937	Below Cal	#	73
49) 1,4-Dioxane	6.71	88	64	3.614	ug/l #	1
51) 4-Methyl-2-Pentanone	8.27	43	3290	1.816	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.63	63	706	Below Cal		100
59) 2-Hexanone	9.48	43	2306	Below Cal	#	60
74) N-amyl acetate	11.37	43	1072	Below Cal	#	55
89) n-Butylbenzene	12.84	91	1413	Below Cal	#	67

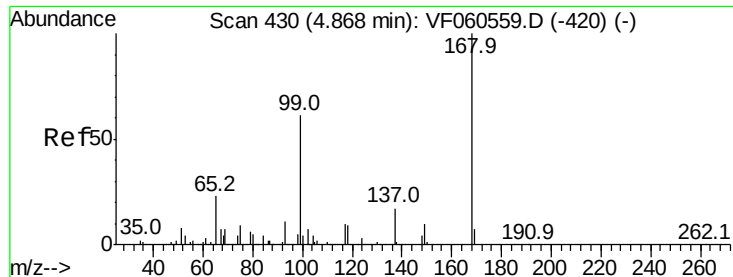
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.00 min

Lab File: VF060656.D

Acq: 8 Nov 2018 18:17

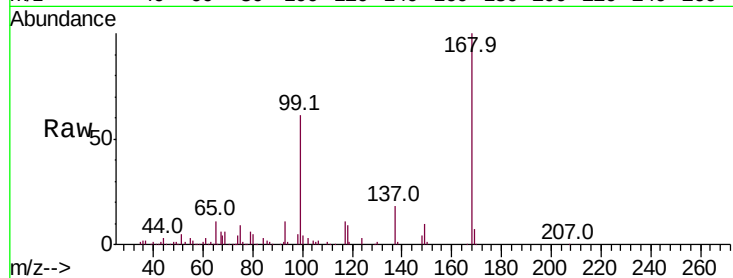
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 248836

Ion Ratio Lower Upper

168 100

99 61.1 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

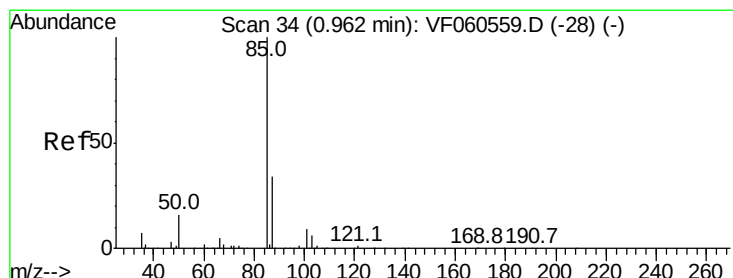
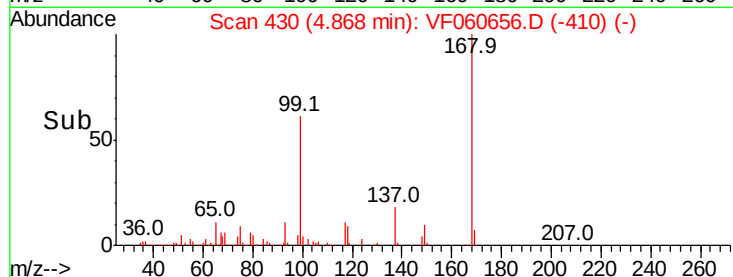
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF060656.D

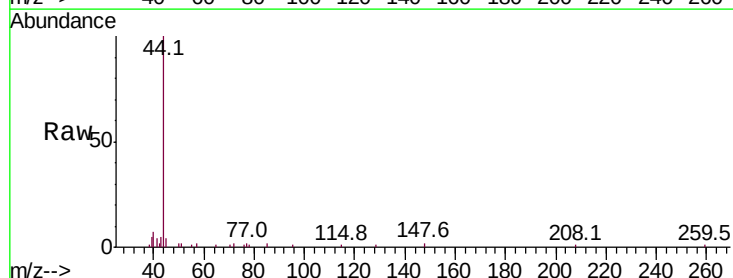
Acq: 8 Nov 2018 18:17

Tgt Ion: 85 Resp: 455

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

200

150

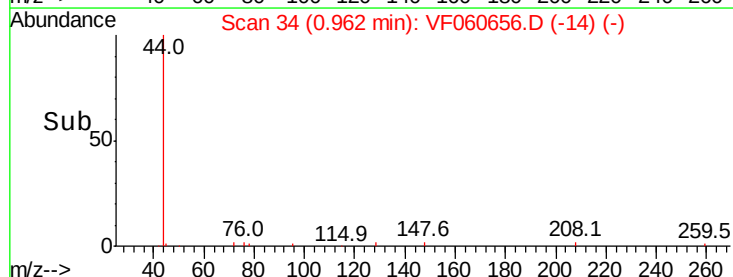
100

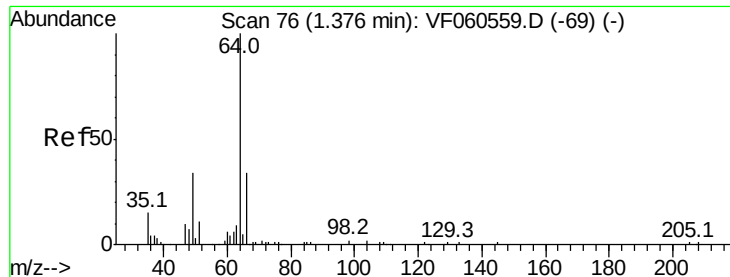
50

0

0.90 0.95 1.00

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.39 min Scan# 77

Delta R.T. 0.01 min

Lab File: VF060656.D

Acq: 8 Nov 2018 18:17

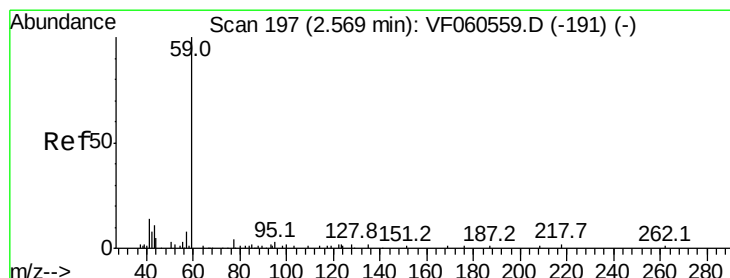
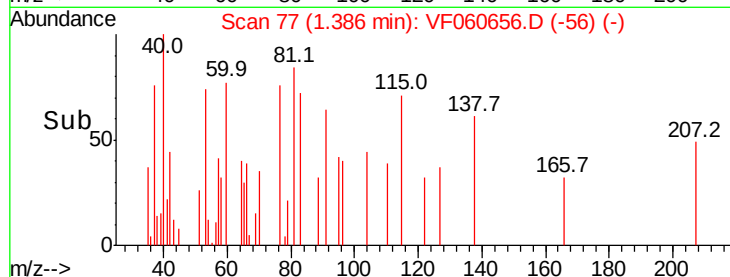
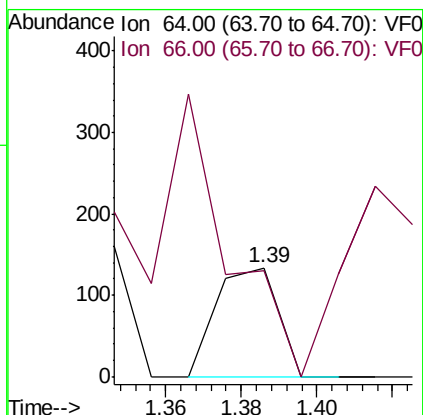
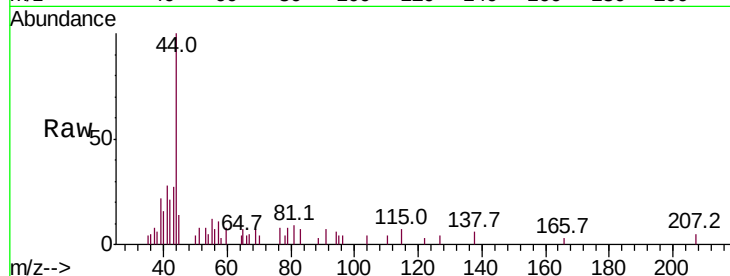
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 64 Resp: 150

Ion Ratio Lower Upper

64 100

66 97.0 27.8 41.8#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.57 min Scan# 197

Delta R.T. 0.00 min

Lab File: VF060656.D

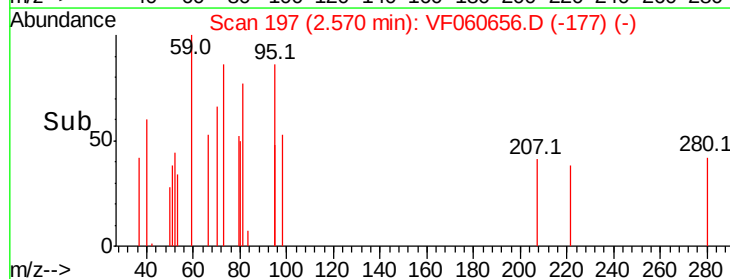
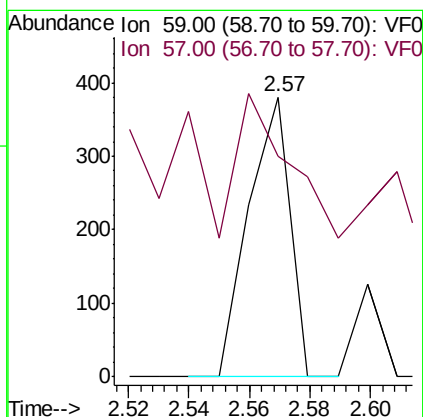
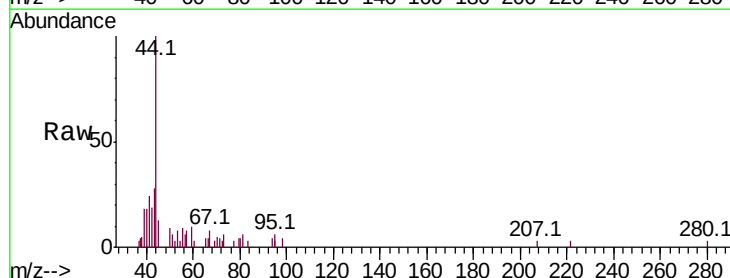
Acq: 8 Nov 2018 18:17

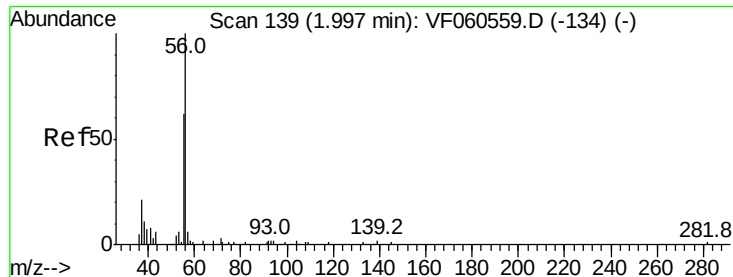
Tgt Ion: 59 Resp: 364

Ion Ratio Lower Upper

59 100

57 78.7 19.0 28.4#





#13

Acrolein

Concen: Below Cal

RT: 1.98 min Scan# 137

Delta R.T. -0.02 min

Lab File: VF060656.D

Acq: 8 Nov 2018 18:17

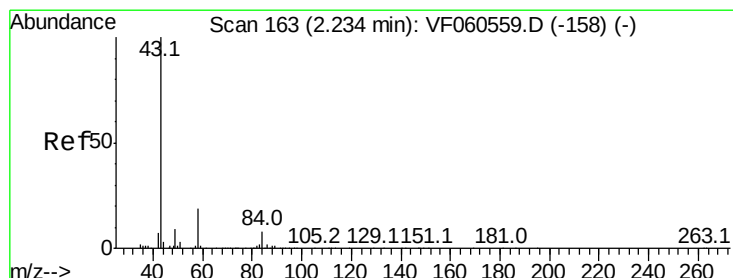
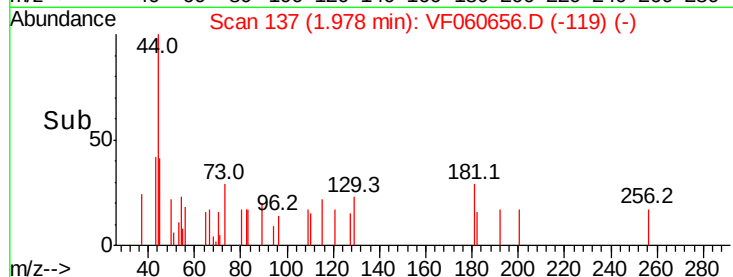
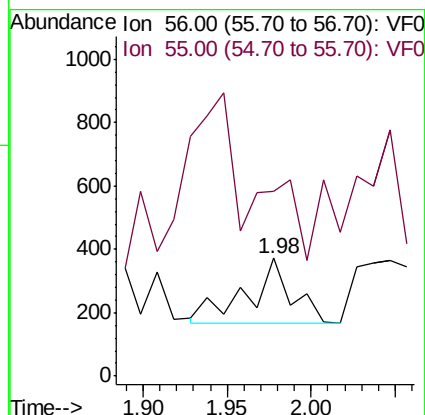
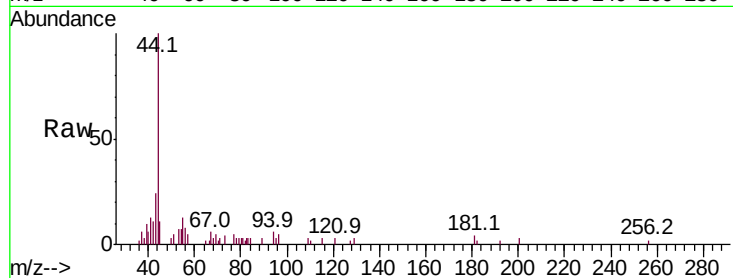
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 370

Ion Ratio Lower Upper

56 100

55 156.6 61.8 92.6#



#16

Acetone

Concen: 42.717 ug/l

RT: 2.23 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF060656.D

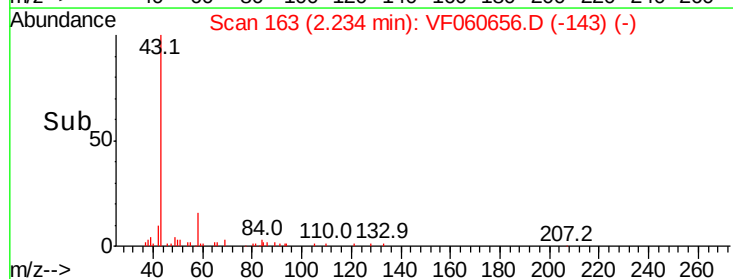
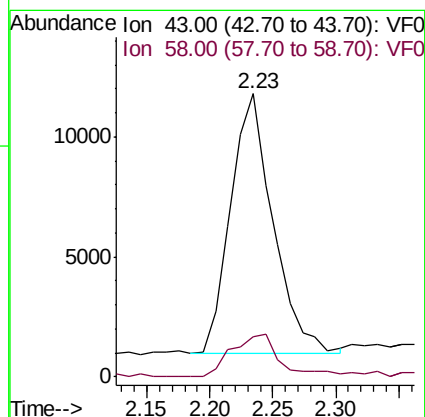
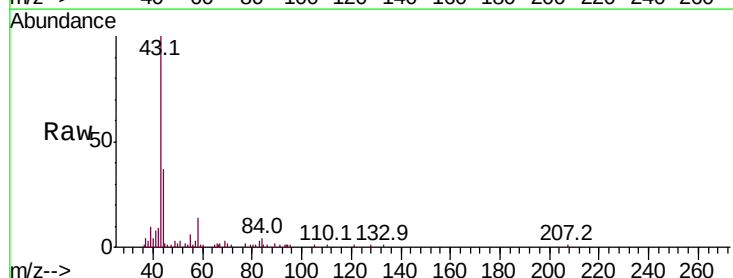
Acq: 8 Nov 2018 18:17

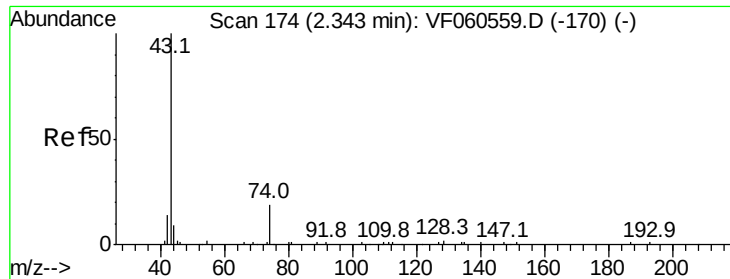
Tgt Ion: 43 Resp: 25307

Ion Ratio Lower Upper

43 100

58 14.2 14.6 22.0#

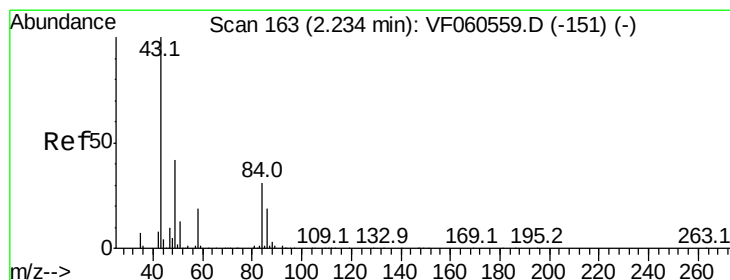
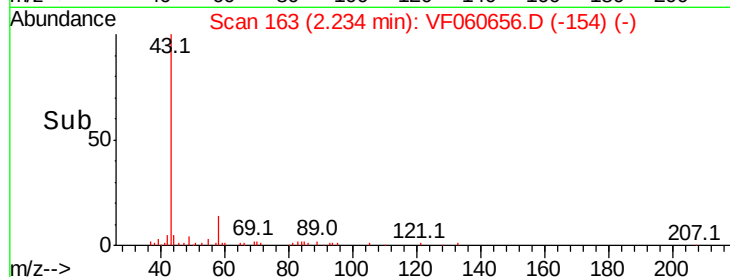
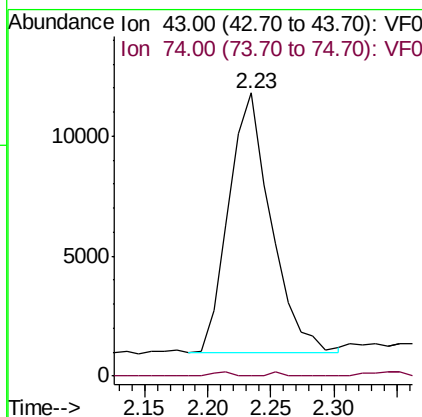
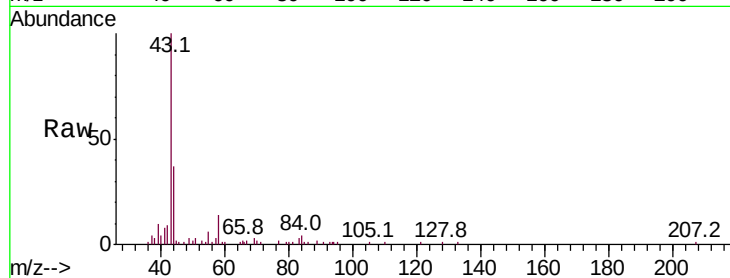




#18
Methyl Acetate
Concen: 27.716 ug/l
RT: 2.23 min Scan# 163
Delta R.T. -0.11 min
Lab File: VF060656.D
Acq: 8 Nov 2018 18:17

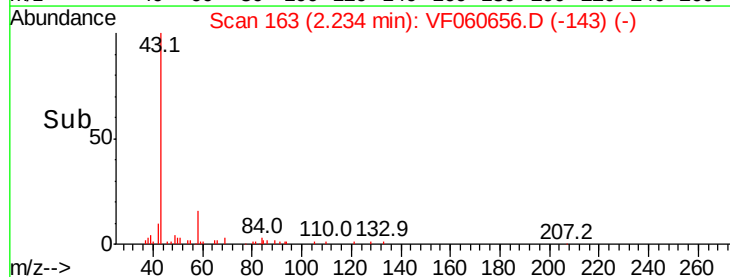
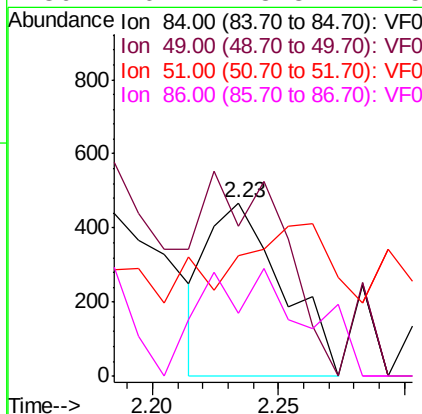
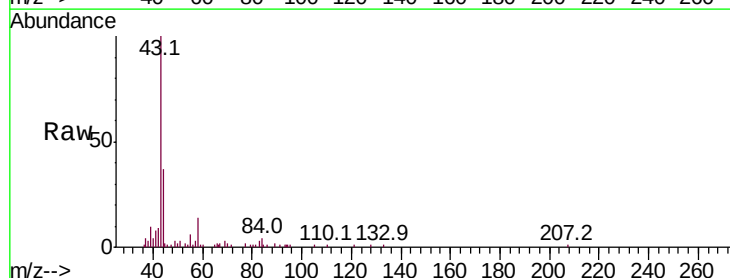
Instrument :
MSVOA_F
ClientSampleId :

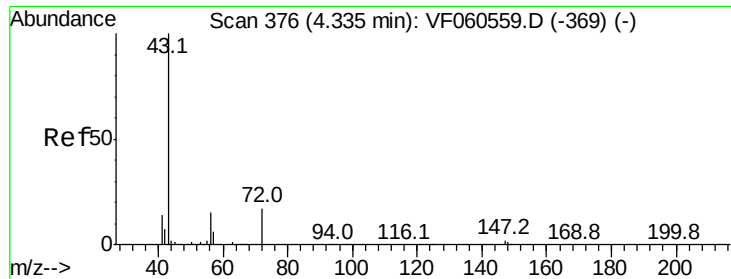
Tot Ion: 43 Resp: 25307
Ion Ratio Lower Upper
43 100
74 0.0 12.1 18.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.23 min Scan# 163
Delta R.T. 0.00 min
Lab File: VF060656.D
Acq: 8 Nov 2018 18:17

Tgt Ion: 84 Resp: 955
Ion Ratio Lower Upper
84 100
49 63.7 109.9 164.9#
51 51.0 35.8 53.8
86 26.7 48.3 72.5#

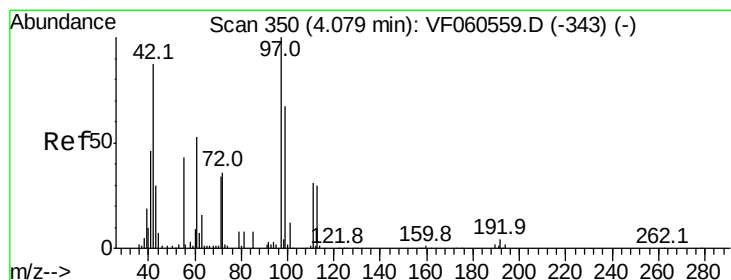
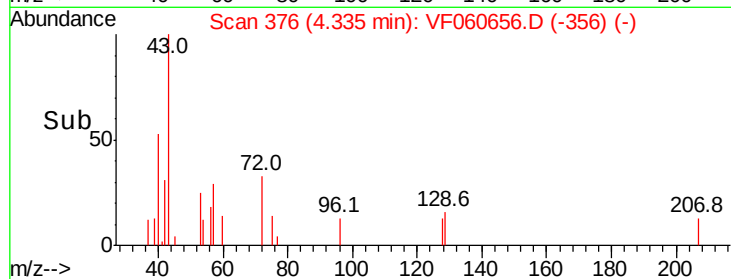
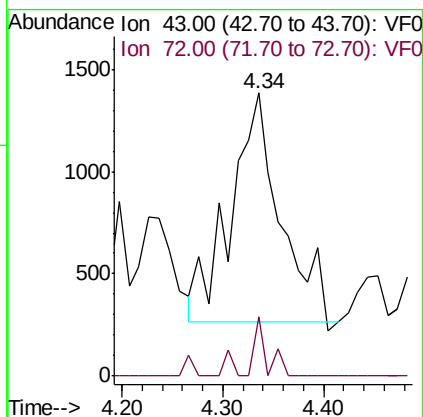
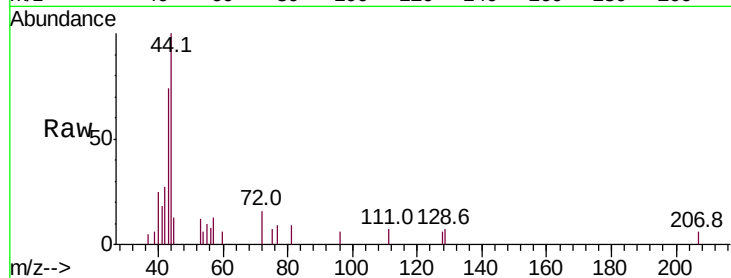




#25
2-Butanone
Concen: Below Cal
RT: 4.34 min Scan# 376
Delta R.T. 0.00 min
Lab File: VF060656.D
Acq: 8 Nov 2018 18:17

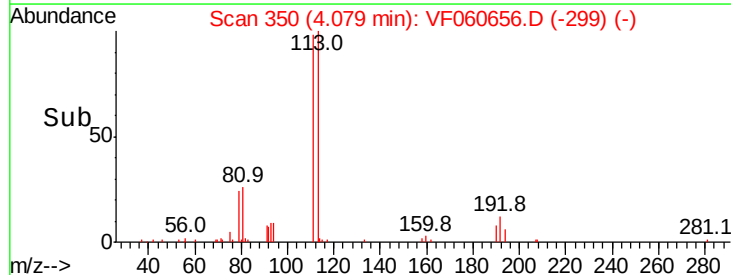
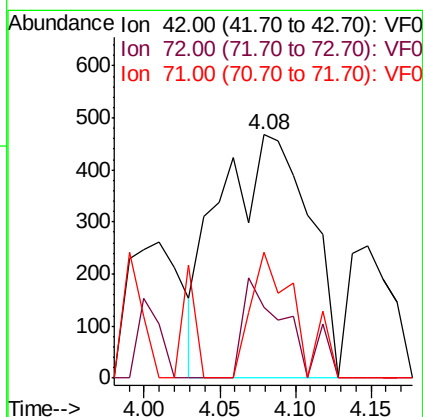
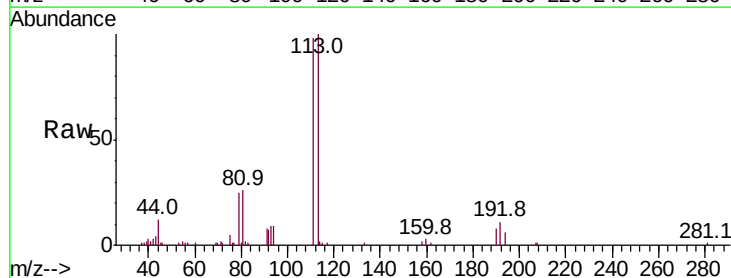
Instrument :
MSVOA_F
ClientSampled :

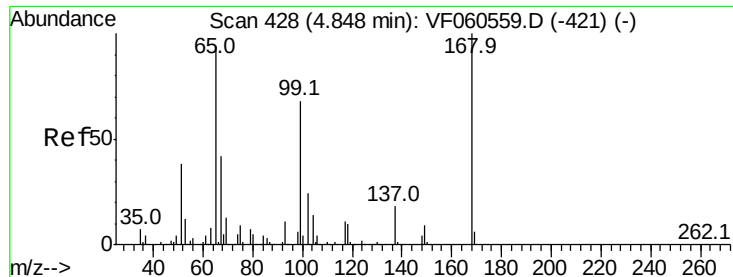
Tot Ion: 43 Resp: 3832
Ion Ratio Lower Upper
43 100
72 21.0 16.2 24.2



#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.08 min Scan# 350
Delta R.T. 0.00 min
Lab File: VF060656.D
Acq: 8 Nov 2018 18:17

Tgt Ion: 42 Resp: 1937
Ion Ratio Lower Upper
42 100
72 20.4 31.4 47.0#
71 25.8 31.8 47.6#

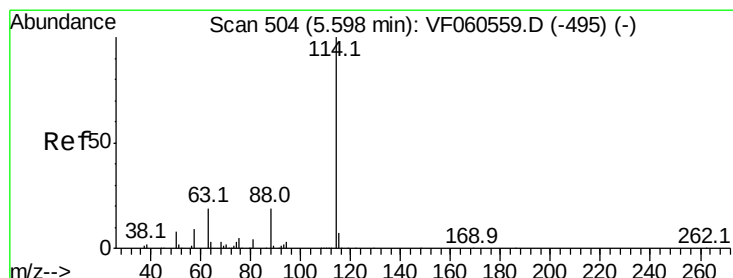
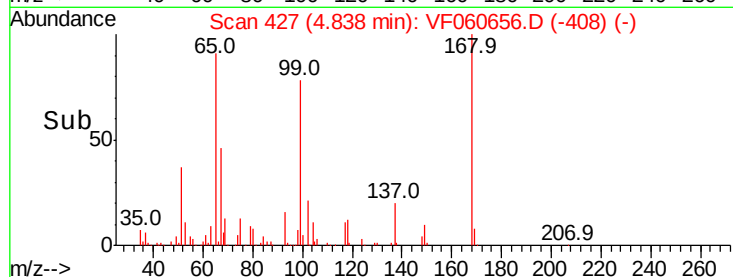
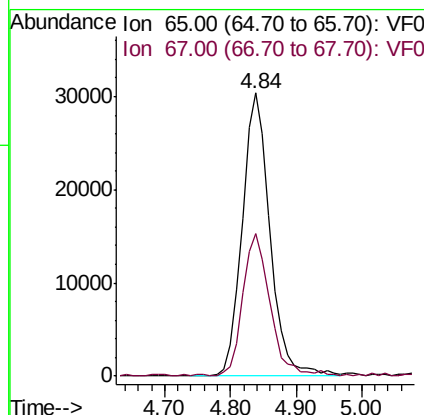
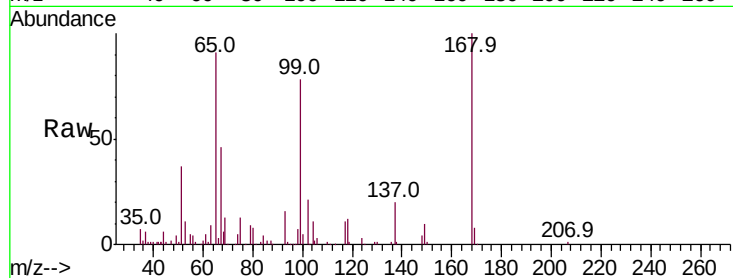




#33
 1,2-Dichloroethane-d4
 Concen: 35.849 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.01 min
 Lab File: VF060656.D
 Acq: 8 Nov 2018 18:17

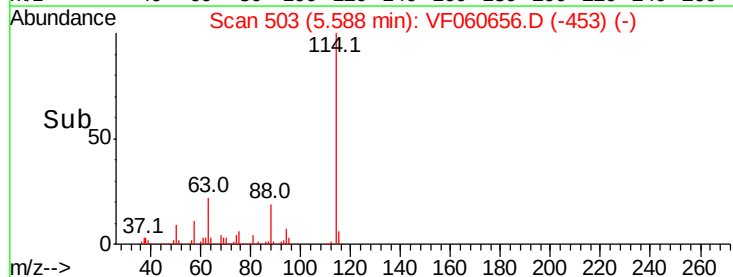
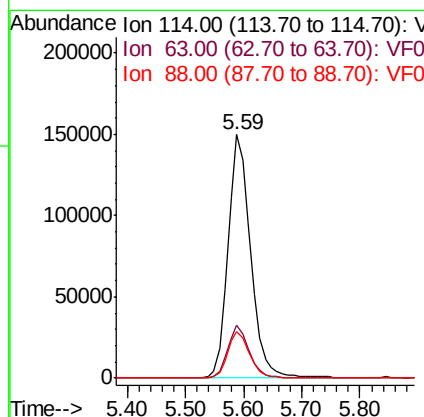
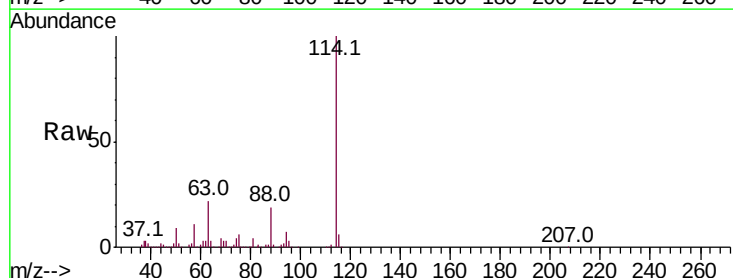
Instrument :
 MSVOA_F
 ClientSampleId :

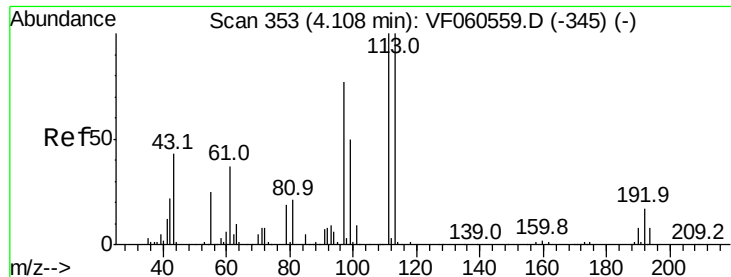
Tot Ion: 65 Resp: 90131
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VF060656.D
 Acq: 8 Nov 2018 18:17

Tgt Ion: 114 Resp: 402909
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 39.0
 88 19.2 0.0 38.2





#35

Dibromofluoromethane

Concen: 36.605 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF060656.D

Acq: 8 Nov 2018 18:17

Instrument :
MSVOA_F
ClientSampled :

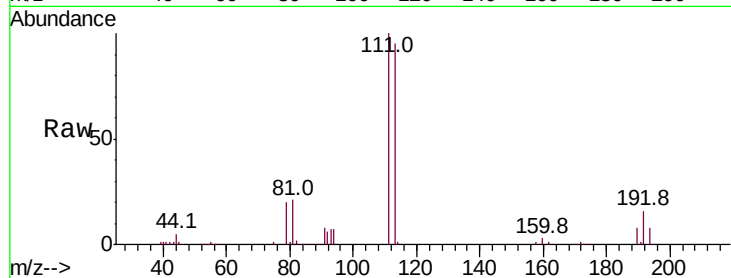
Tot Ion:113 Resp: 113945

Ion Ratio Lower Upper

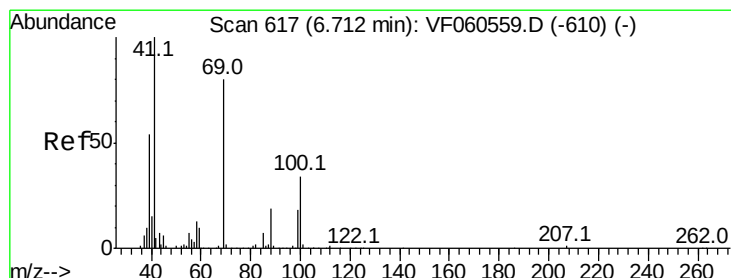
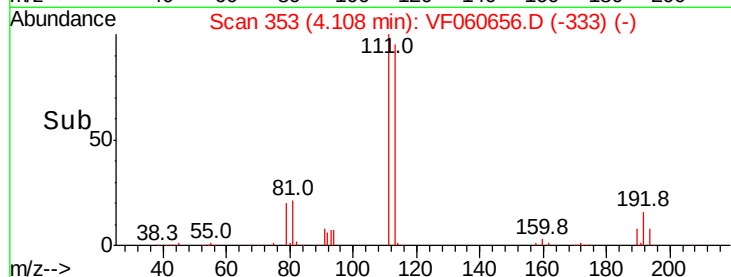
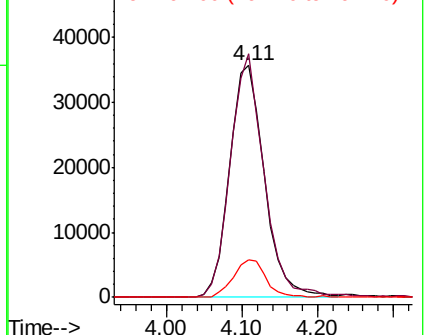
113 100

111 105.2 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: 3.614 ug/l

RT: 6.71 min Scan# 617

Delta R.T. 0.00 min

Lab File: VF060656.D

Acq: 8 Nov 2018 18:17

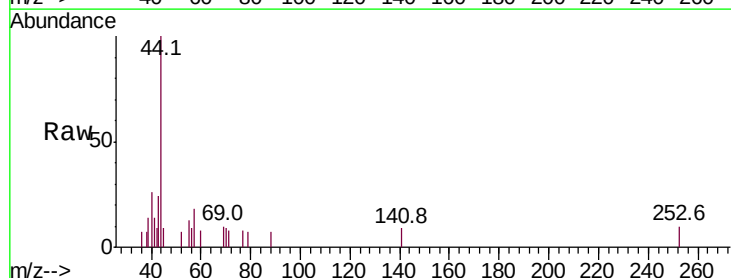
Tgt Ion: 88 Resp: 64

Ion Ratio Lower Upper

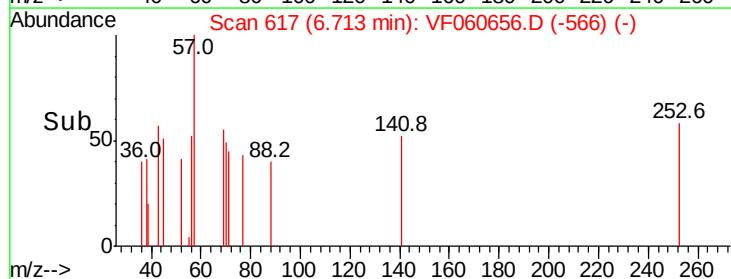
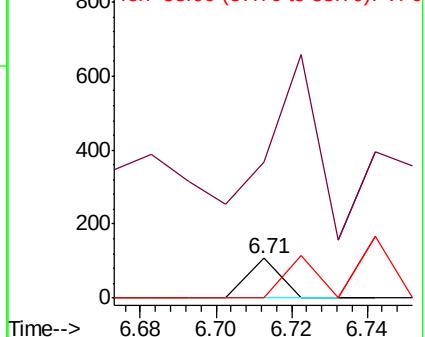
88 100

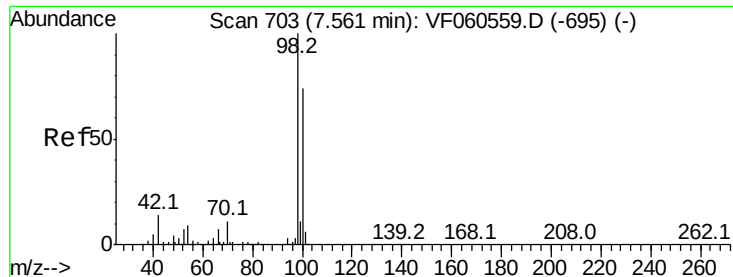
43 341.7 61.2 91.8#

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

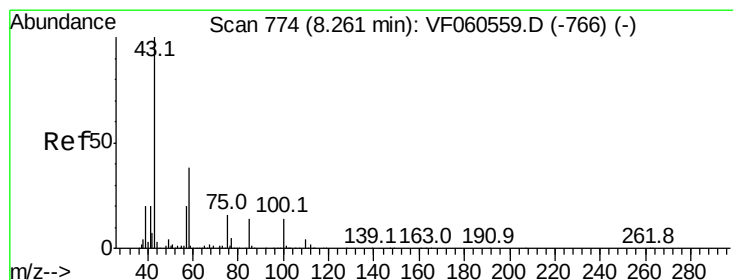
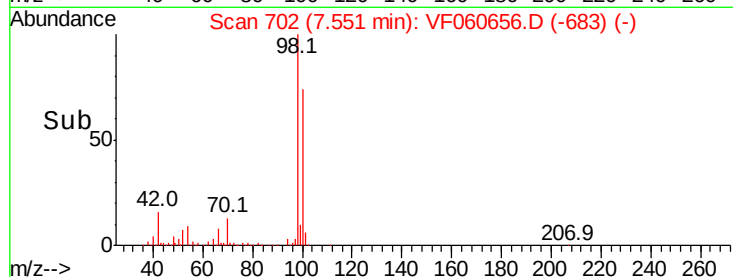
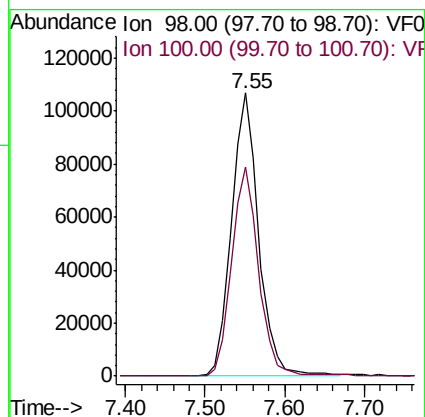
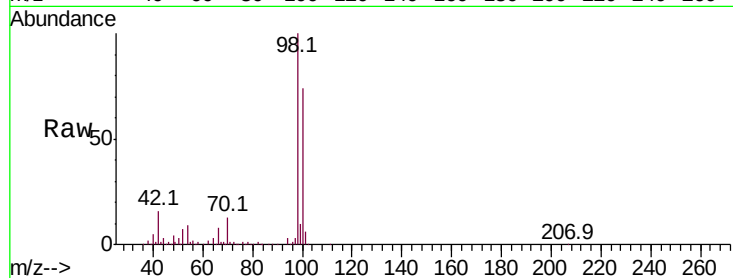




#50
Toluene-d8
Concen: 27.598 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF060656.D
Acq: 8 Nov 2018 18:17

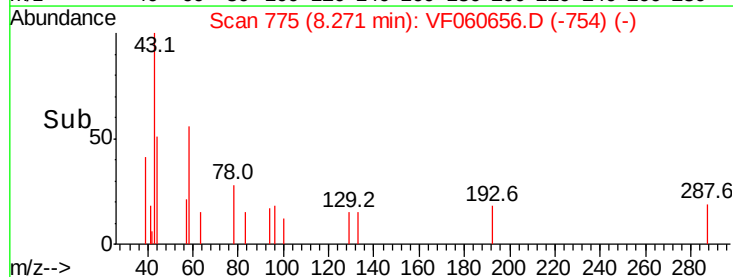
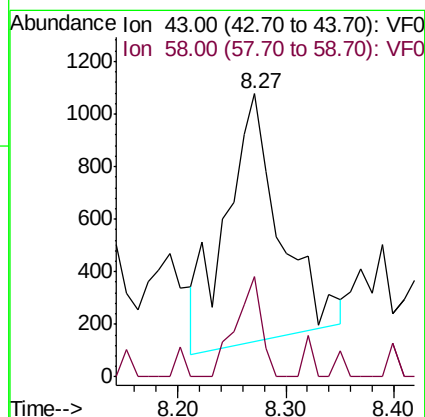
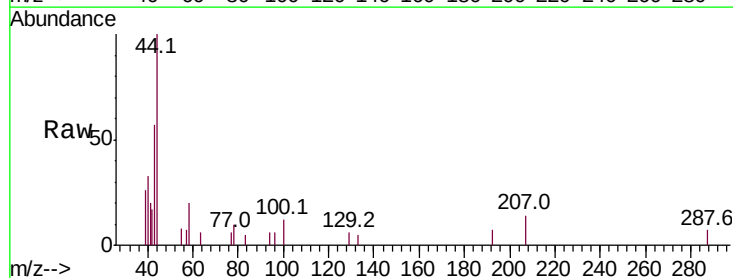
Instrument :
MSVOA_F
ClientSampled :

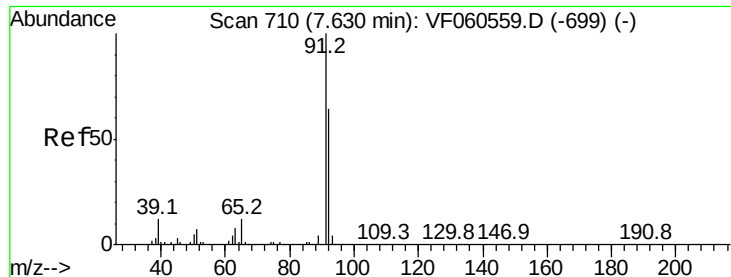
Tot Ion: 98 Resp: 254484
Ion Ratio Lower Upper
98 100
100 74.0 59.4 89.2



#51
4-Methyl-2-Pentanone
Concen: 1.816 ug/l
RT: 8.27 min Scan# 775
Delta R.T. 0.01 min
Lab File: VF060656.D
Acq: 8 Nov 2018 18:17

Tgt Ion: 43 Resp: 3290
Ion Ratio Lower Upper
43 100
58 35.4 30.1 45.1





#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF060656.D

Acq: 8 Nov 2018 18:17

Instrument :

MSVOA_F

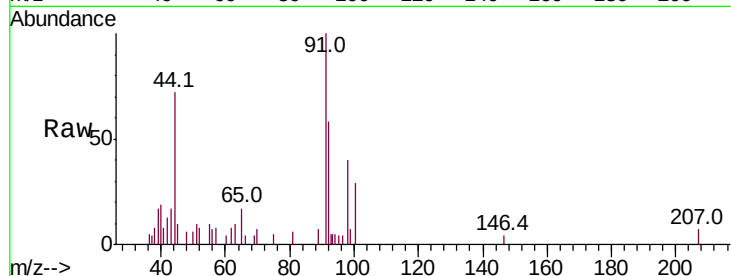
ClientSampleId :

Tot Ion: 63 Resp: 706

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

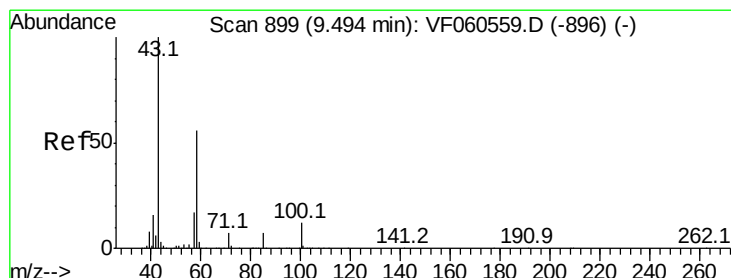
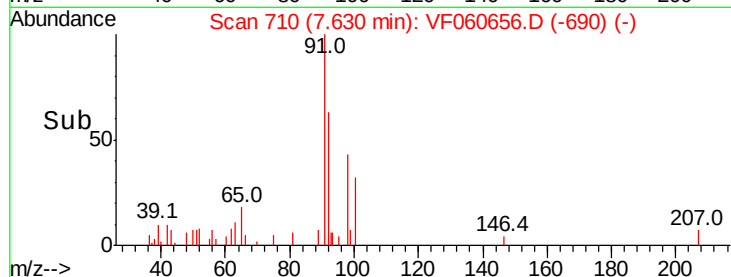
300

200

100

0

Time--> 7.55 7.60 7.65 7.70



#59

2-Hexanone

Concen: Below Cal

RT: 9.48 min Scan# 898

Delta R.T. -0.01 min

Lab File: VF060656.D

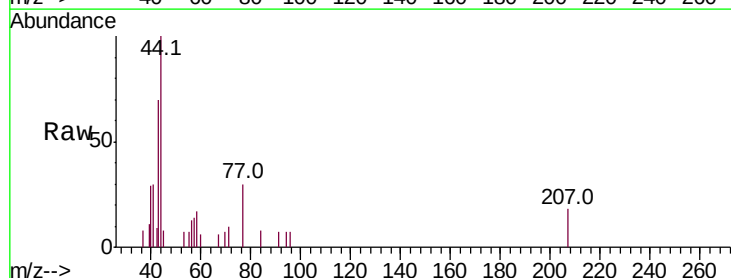
Acq: 8 Nov 2018 18:17

Tgt Ion: 43 Resp: 2306

Ion Ratio Lower Upper

43 100

58 24.3 26.1 78.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

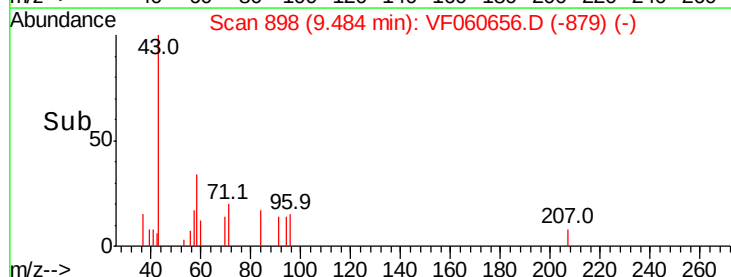
1500

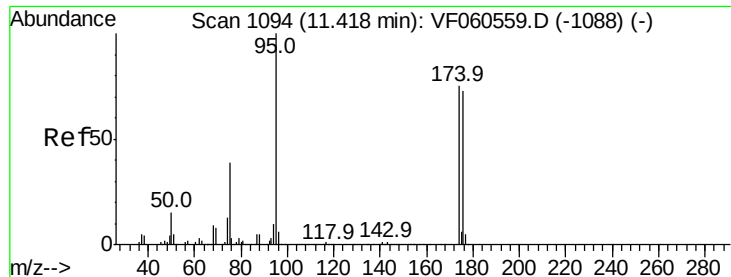
1000

500

0

Time--> 9.45 9.50





#62

4-Bromofluorobenzene

Concen: 32.411 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF060656.D

Acq: 8 Nov 2018 18:17

Instrument :

MSVOA_F

ClientSampleId :

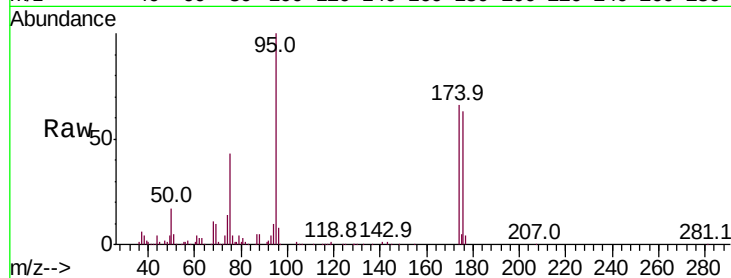
Tot Ion: 95 Resp: 130728

Ion Ratio Lower Upper

95 100

174 66.2 0.0 149.0

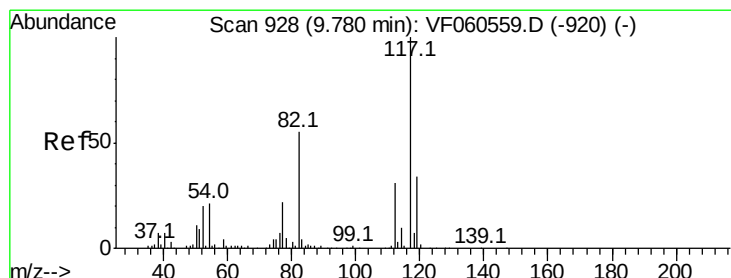
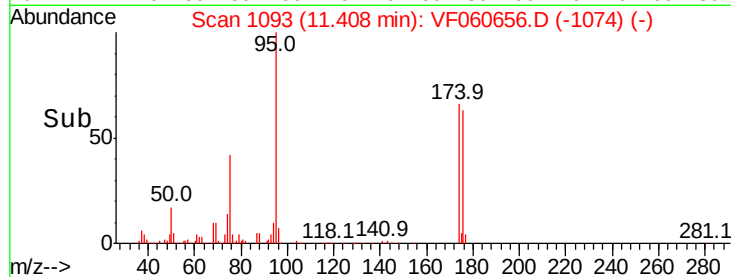
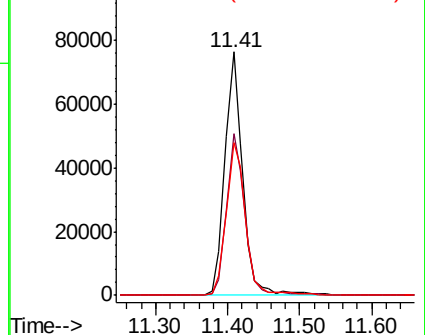
176 63.0 0.0 145.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.01 min

Lab File: VF060656.D

Acq: 8 Nov 2018 18:17

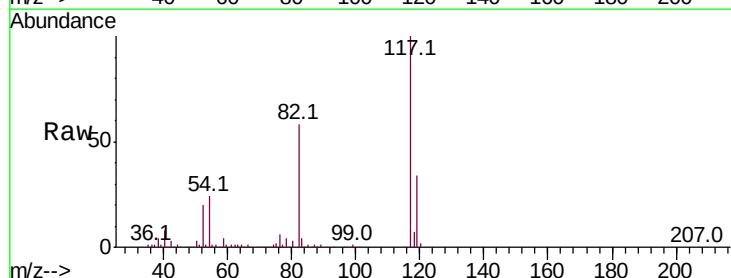
Tgt Ion: 117 Resp: 392744

Ion Ratio Lower Upper

117 100

82 58.0 43.9 65.9

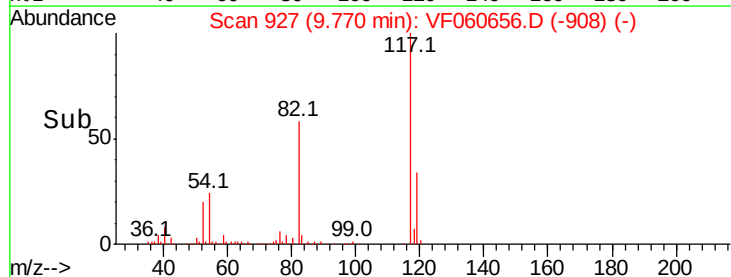
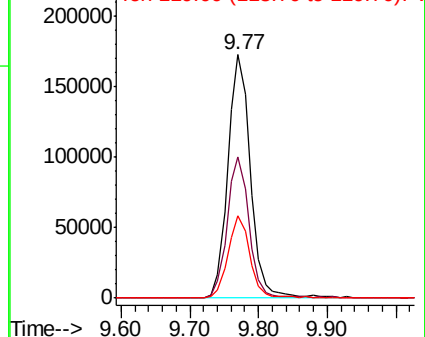
119 33.8 27.4 41.0

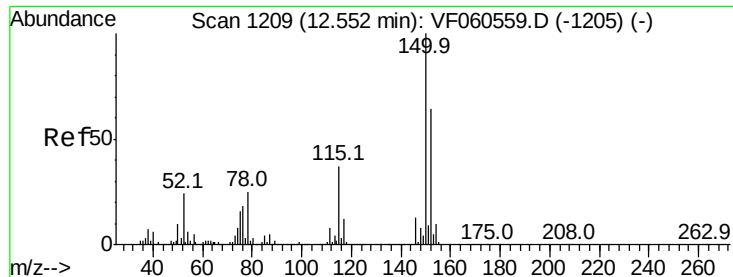


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



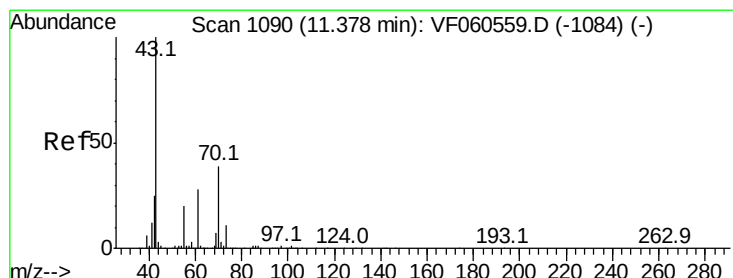
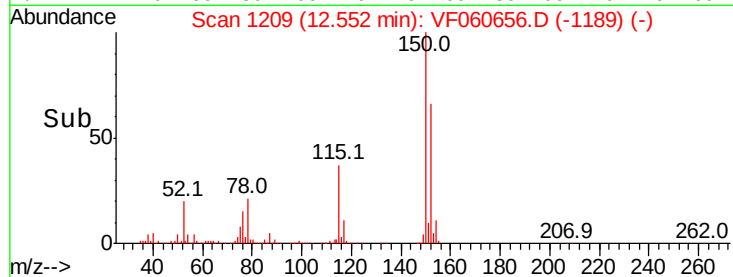
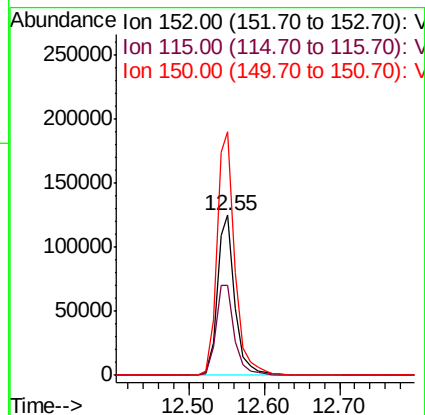
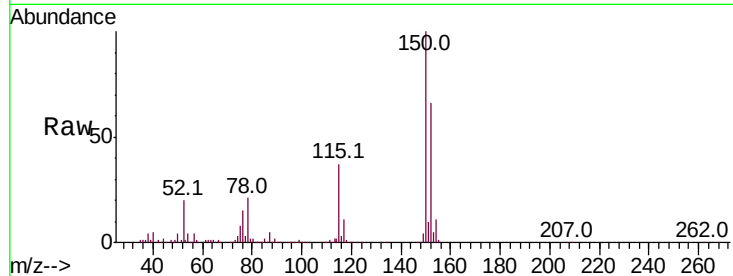


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.00 min
Lab File: VF060656.D
Acq: 8 Nov 2018 18:17

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.9	29.6	88.8
150	152.3	0.0	315.6



#74

N-amil acetate
Concen: Below Cal
RT: 11.37 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VF060656.D
Acq: 8 Nov 2018 18:17

Tgt Ion	Ratio	Lower	Upper
43	100		
70	31.8	30.9	46.3
55	66.2	16.6	24.8#
61	0.0	22.0	33.0#

