

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
 Data File : VF060578.D
 Acq On : 5 Nov 2018 17:49
 Operator : VA/AP
 Sample : J5724-06RE
 Misc : 5.00/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 05 17:16:30 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	4.85	168	283304	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	474982	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	451728	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	240081	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	125876	43.98	ug/l	-0.01
Spiked Amount			Recovery	=	87.96%	
35) Dibromofluoromethane	4.10	113	164523	44.83	ug/l	0.00
Spiked Amount			Recovery	=	89.66%	
50) Toluene-d8	7.55	98	443635	40.81	ug/l	-0.01
Spiked Amount			Recovery	=	81.62%	
62) 4-Bromofluorobenzene	11.40	95	204102	42.92	ug/l	-0.01
Spiked Amount			Recovery	=	85.84%	

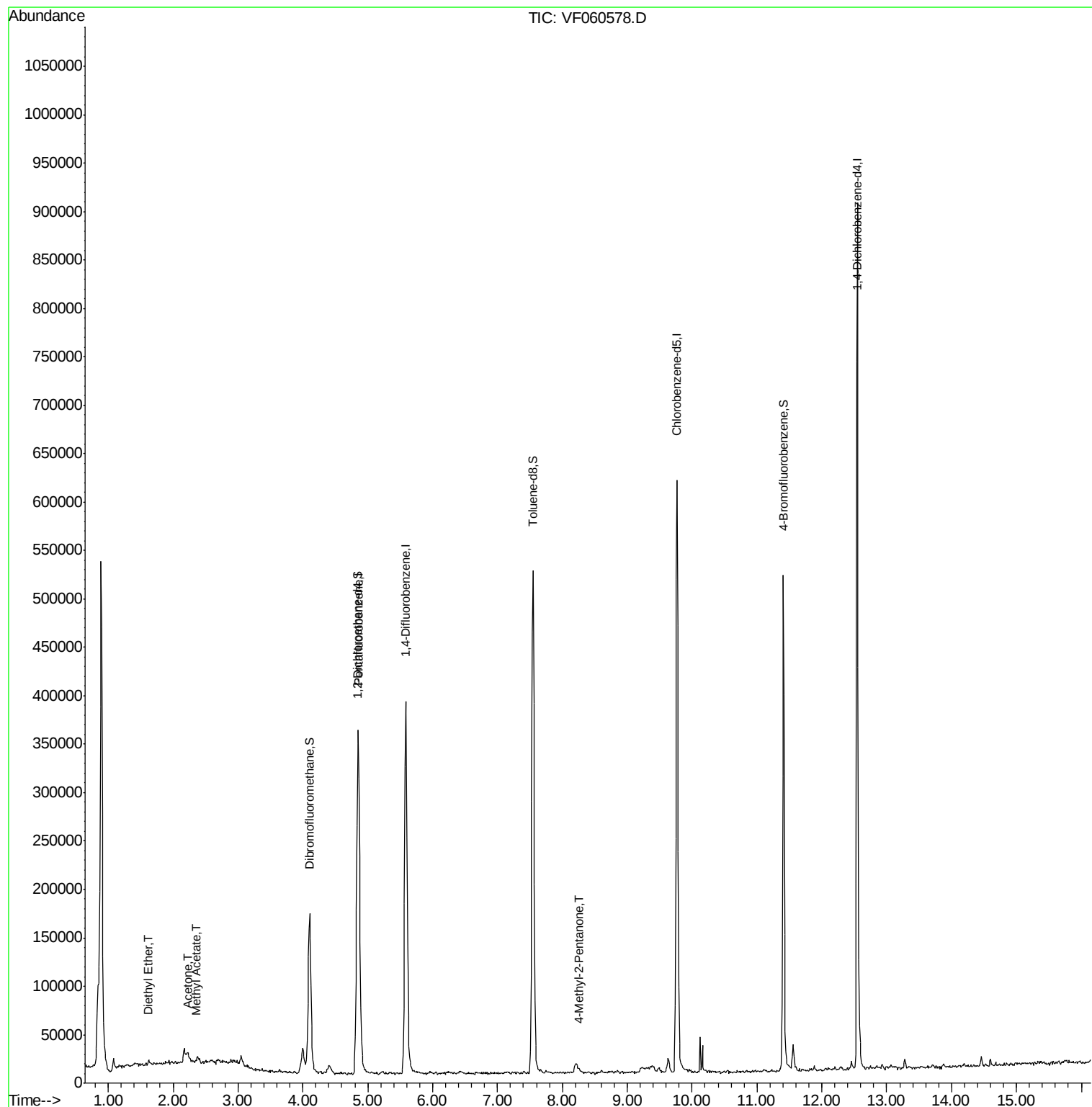
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	334	Below Cal	#	6
6) Chloroethane	1.35	64	127	Below Cal	#	1
8) Diethyl Ether	1.62	74	1354	1.708	ug/l	72
11) Tert butyl alcohol	2.57	59	618	Below Cal	#	1
13) Acrolein	2.01	56	537	Below Cal	#	11
16) Acetone	2.23	43	3995	5.923	ug/l #	85
18) Methyl Acetate	2.35	43	745	1.183	ug/l #	64
20) Methylene Chloride	2.17	84	7515	Below Cal		96
25) 2-Butanone	4.32	43	807	Below Cal	#	82
29) Tetrahydrofuran	4.06	42	785	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.25	43	5078	2.378	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.64	63	89	Below Cal		100
59) 2-Hexanone	9.49	43	4368	Below Cal		67
74) N-amyl acetate	11.36	43	864	Below Cal	#	74
89) n-Butylbenzene	12.83	91	2186	Below Cal		89

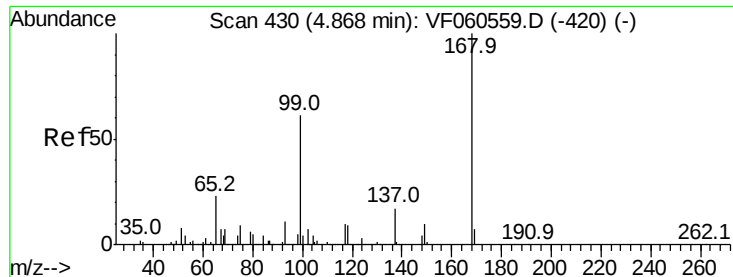
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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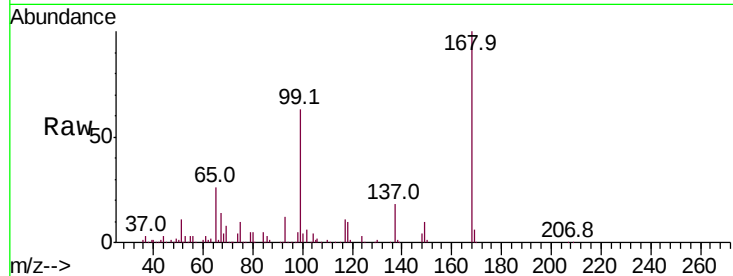


#1

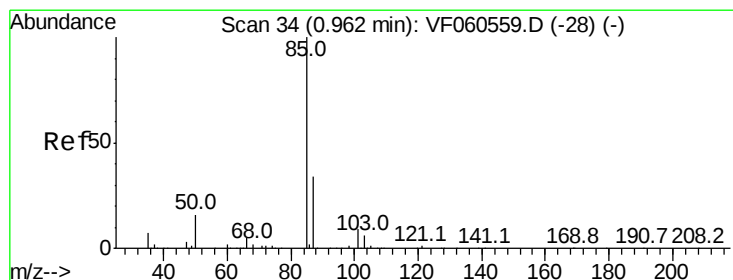
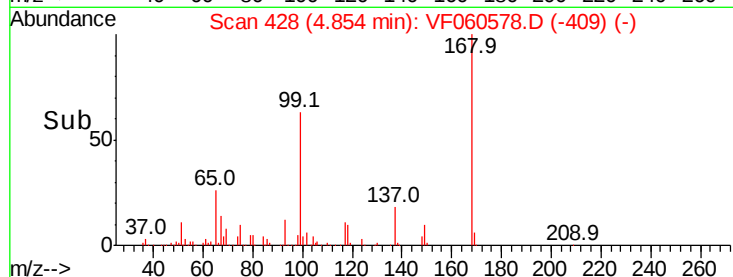
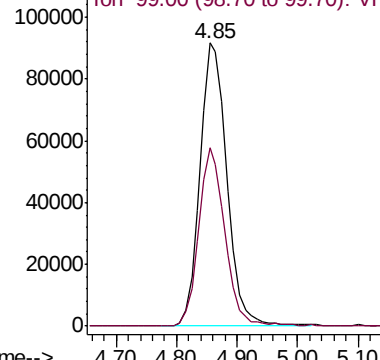
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.85 min Scan# 428
Delta R.T. -0.01 min
Lab File: VF060578.D
Acq: 5 Nov 2018 17:49

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 283304
Ion Ratio Lower Upper
168 100
99 63.2 48.6 72.8



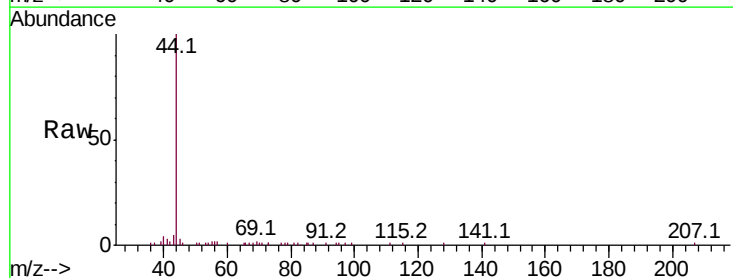
Abundance Ion 168.00 (167.70 to 168.70): VF0
Ion 99.00 (98.70 to 99.70): VF0



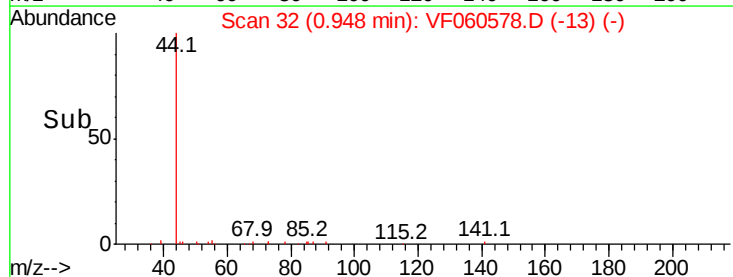
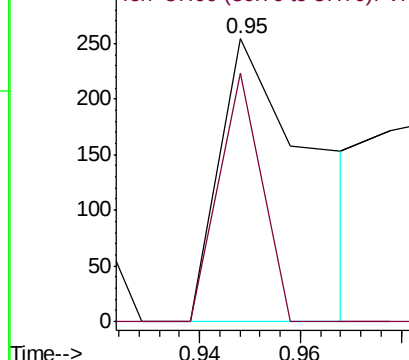
#2

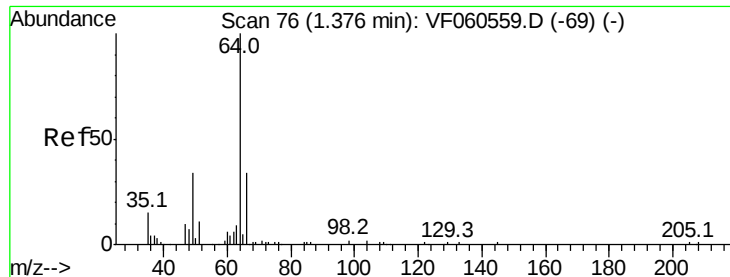
Dichlorodifluoromethane
Concen: Below Cal
RT: 0.95 min Scan# 32
Delta R.T. -0.01 min
Lab File: VF060578.D
Acq: 5 Nov 2018 17:49

Tgt Ion: 85 Resp: 334
Ion Ratio Lower Upper
85 100
87 87.8 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: 1.35 min Scan# 73

Delta R.T. -0.02 min

Lab File: VF060578.D

Acq: 5 Nov 2018 17:49

Instrument :

MSVOA_F

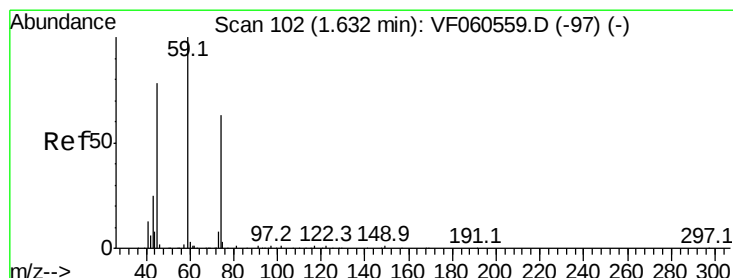
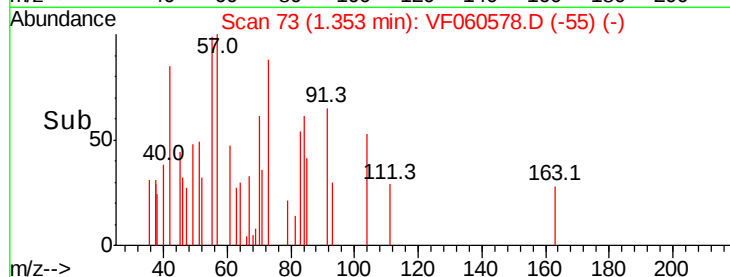
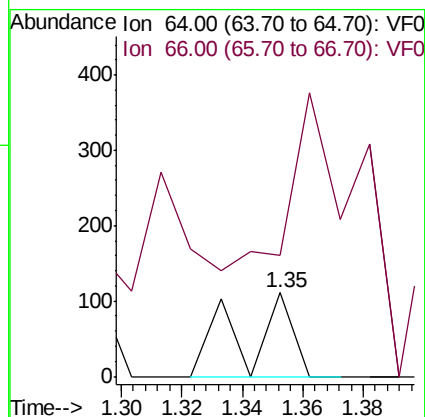
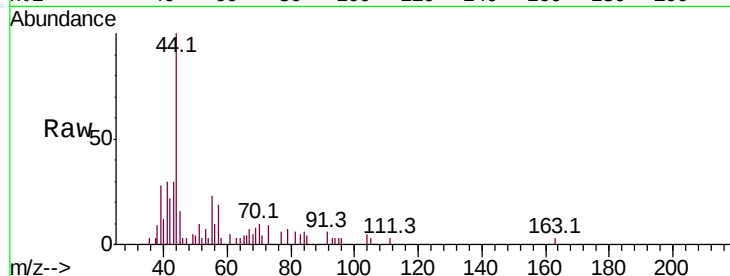
ClientSampled :

Tot Ion: 64 Resp: 127

Ion Ratio Lower Upper

64 100

66 145.0 27.8 41.8#



#8

Diethyl Ether

Concen: 1.708 ug/l

RT: 1.62 min Scan# 100

Delta R.T. -0.01 min

Lab File: VF060578.D

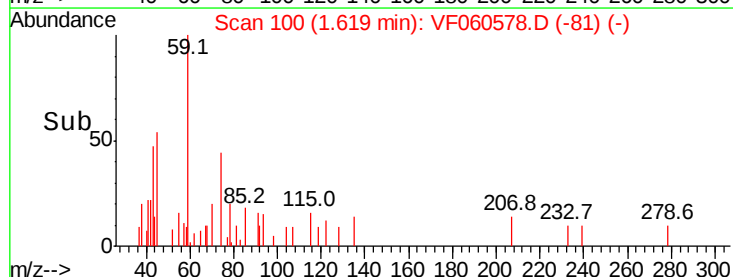
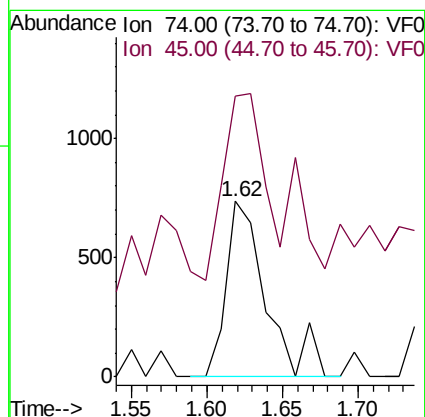
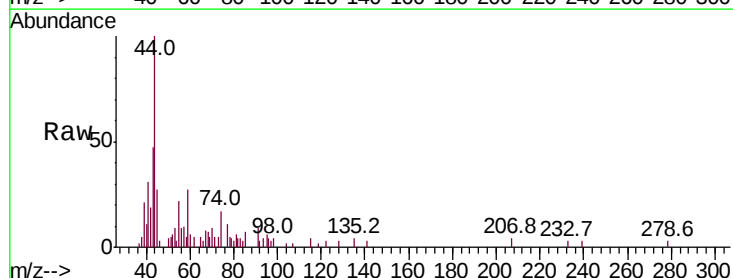
Acq: 5 Nov 2018 17:49

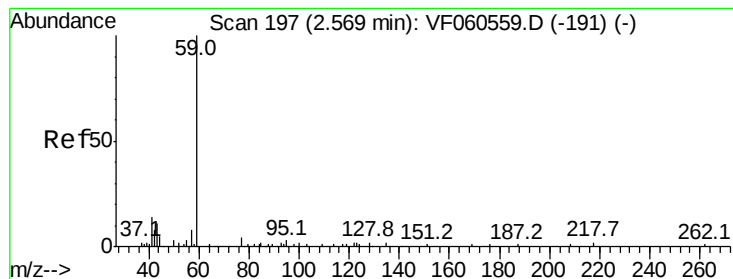
Tgt Ion: 74 Resp: 1354

Ion Ratio Lower Upper

74 100

45 160.2 63.8 191.5



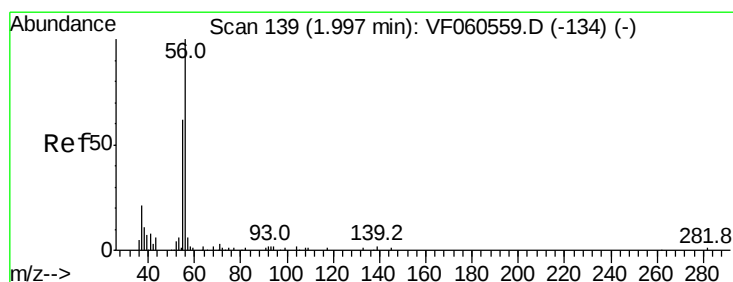
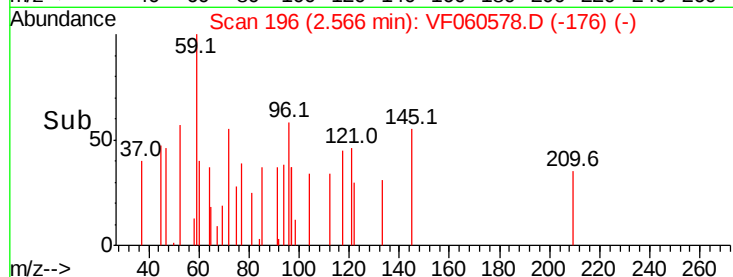
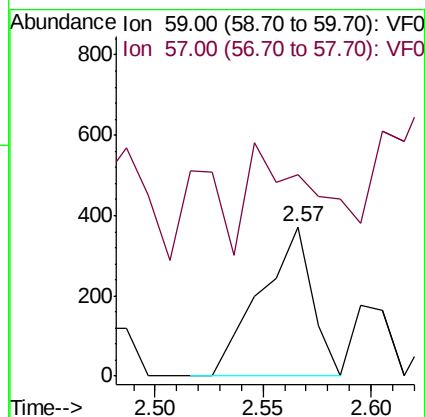
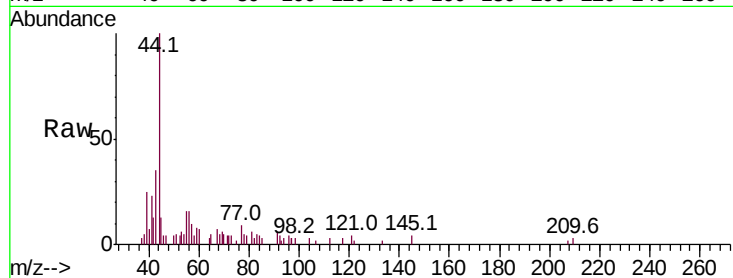


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.57 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF060578.D
Acq: 5 Nov 2018 17:49

Instrument :
MSVOA_F
ClientSampled :

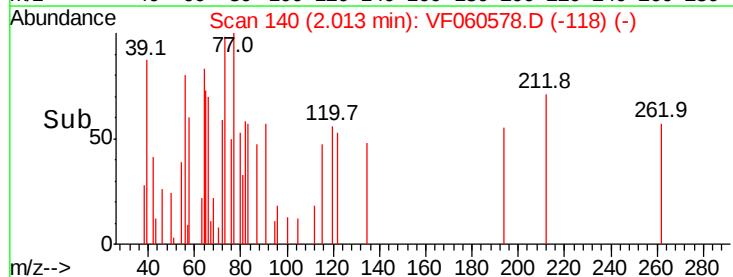
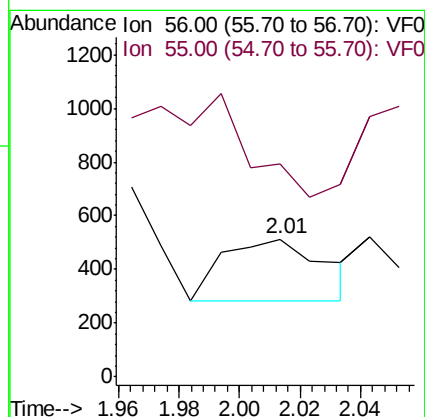
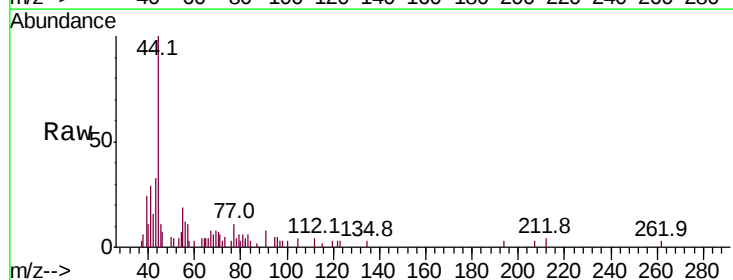
Tot Ion: 59 Resp: 618
Ion Ratio Lower Upper
59 100
57 135.2 19.0 28.4#

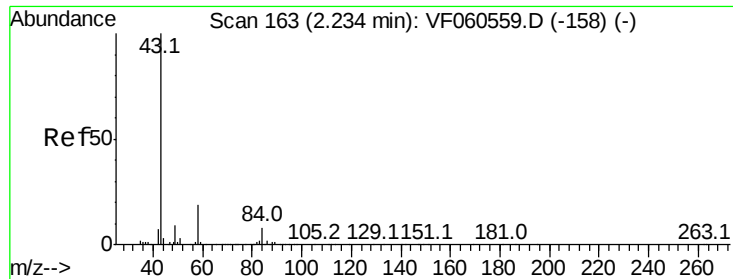


#13

Acrolein
Concen: Below Cal
RT: 2.01 min Scan# 140
Delta R.T. 0.02 min
Lab File: VF060578.D
Acq: 5 Nov 2018 17:49

Tgt Ion: 56 Resp: 537
Ion Ratio Lower Upper
56 100
55 154.6 61.8 92.6#

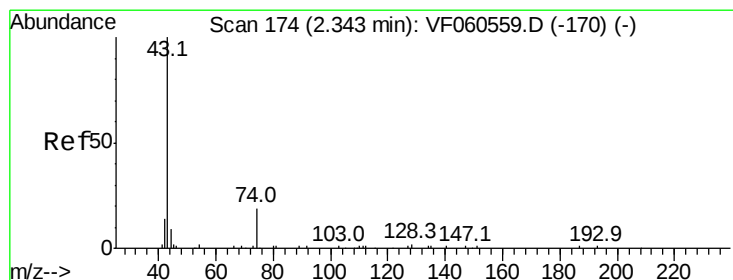
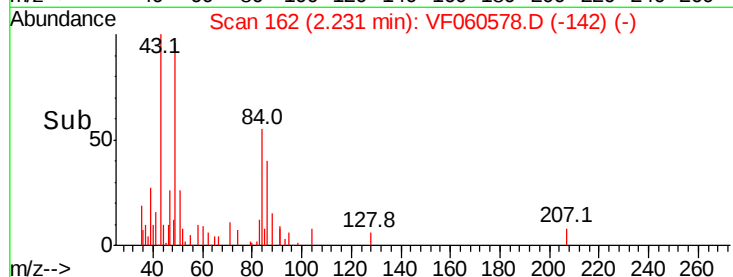
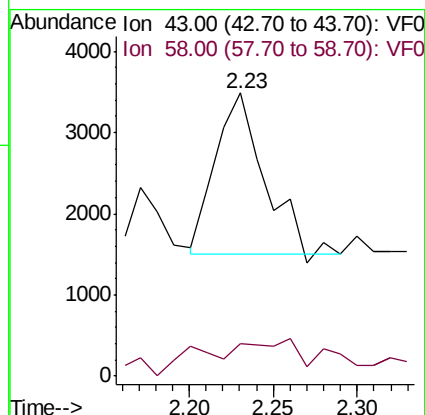
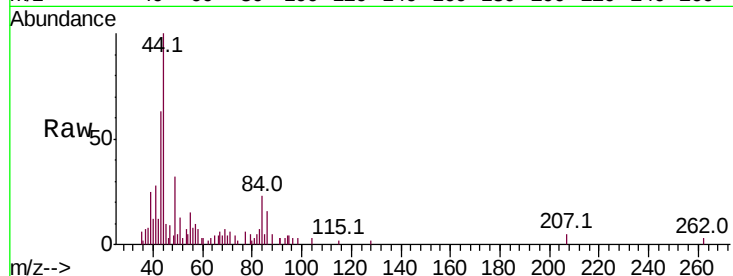




#16
Acetone
Concen: 5.923 ug/l
RT: 2.23 min Scan# 162
Delta R.T. -0.00 min
Lab File: VF060578.D
Acq: 5 Nov 2018 17:49

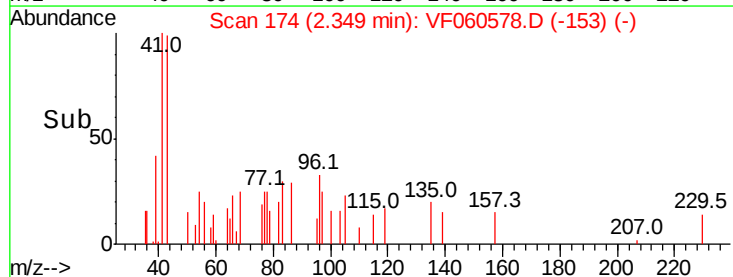
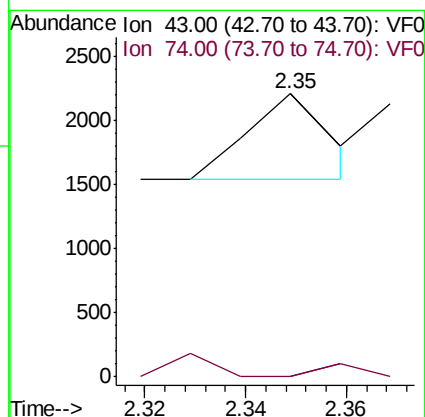
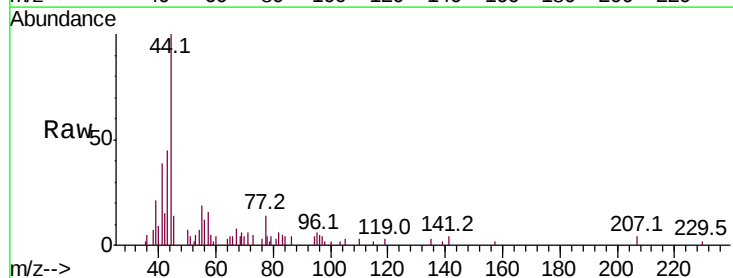
Instrument :
MSVOA_F
ClientSampled :

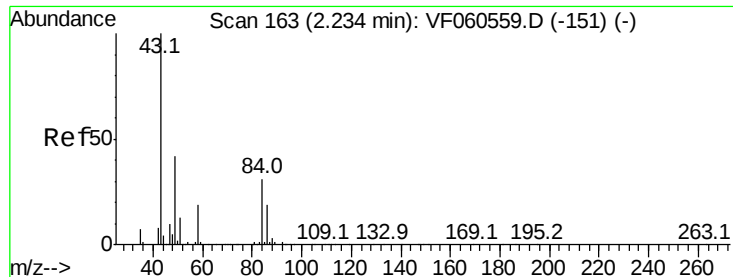
Tot Ion: 43 Resp: 3995
Ion Ratio Lower Upper
43 100
58 11.5 14.6 22.0#



#18
Methyl Acetate
Concen: 1.183 ug/l
RT: 2.35 min Scan# 174
Delta R.T. 0.01 min
Lab File: VF060578.D
Acq: 5 Nov 2018 17:49

Tgt Ion: 43 Resp: 745
Ion Ratio Lower Upper
43 100
74 0.0 12.1 18.1#

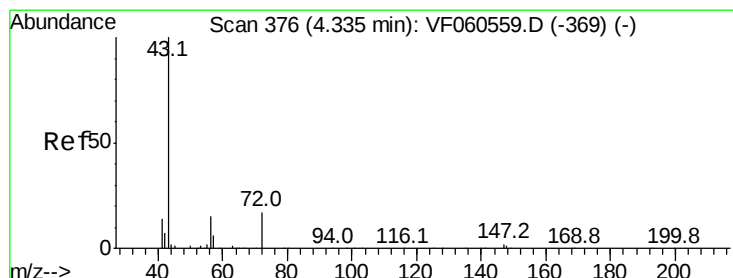
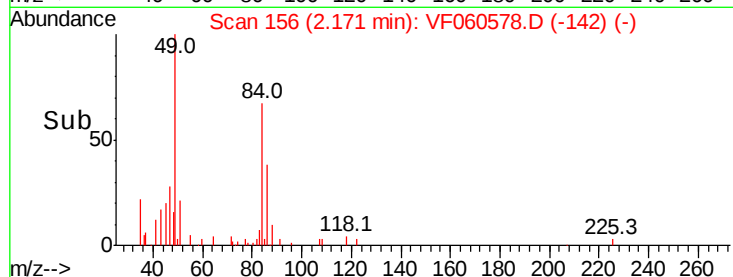
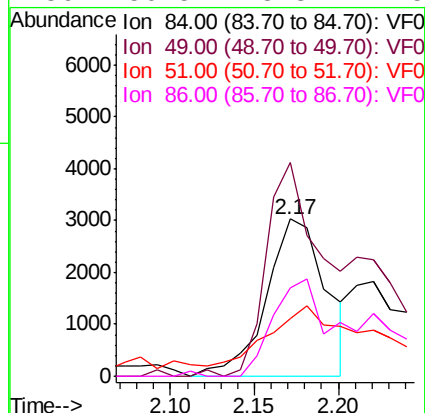
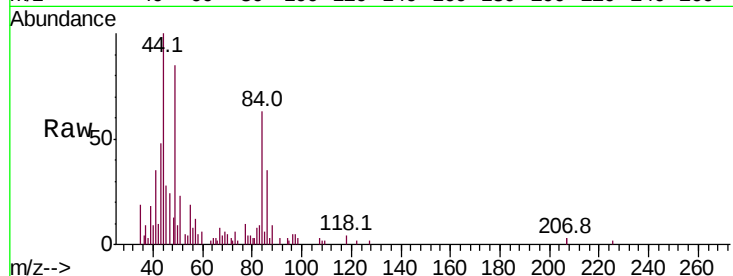




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.17 min Scan# 156
Delta R.T. -0.06 min
Lab File: VF060578.D
Acq: 5 Nov 2018 17:49

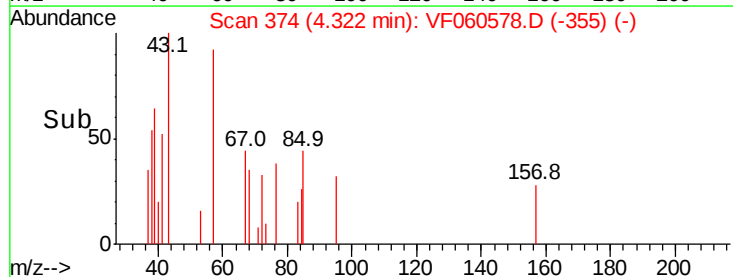
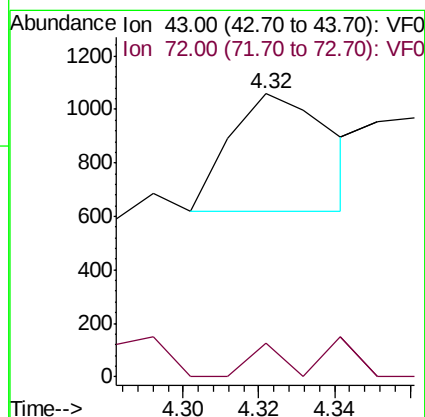
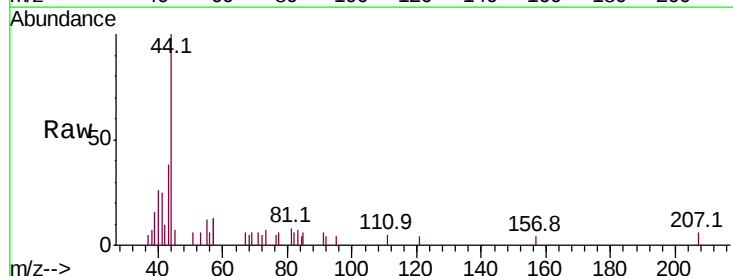
Instrument :
MSVOA_F
ClientSampleId :

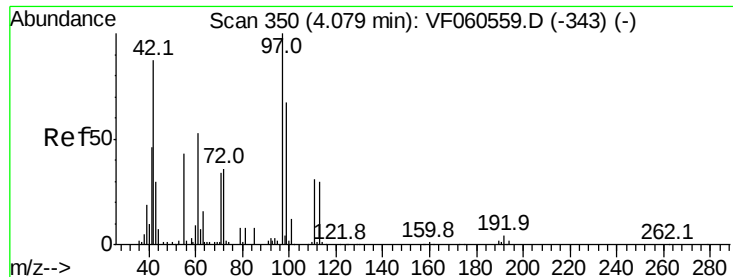
Tot Ion: 84 Resp: 7515
Ion Ratio Lower Upper
84 100
49 135.9 109.9 164.9
51 36.6 35.8 53.8
86 56.5 48.3 72.5



#25
2-Butanone
Concen: Below Cal
RT: 4.32 min Scan# 374
Delta R.T. -0.01 min
Lab File: VF060578.D
Acq: 5 Nov 2018 17:49

Tgt Ion: 43 Resp: 807
Ion Ratio Lower Upper
43 100
72 12.1 16.2 24.2#





#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.06 min Scan# 347

Delta R.T. -0.02 min

Lab File: VF060578.D

Acq: 5 Nov 2018 17:49

Instrument :

MSVOA_F

ClientSampleId :

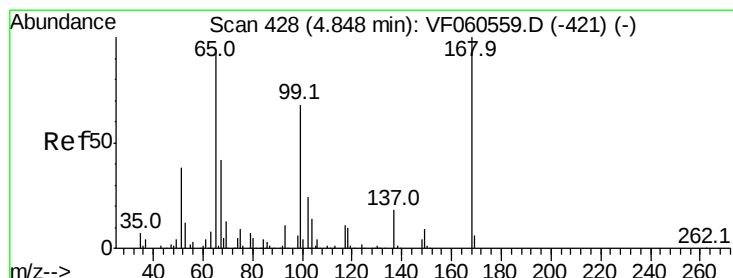
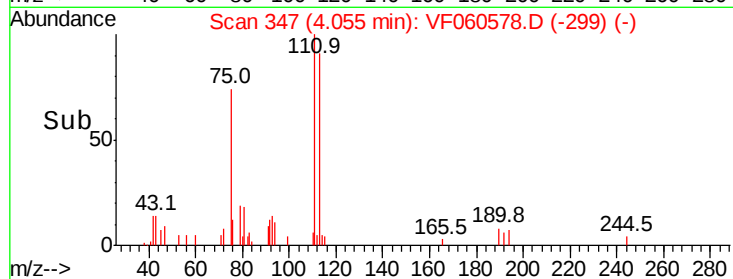
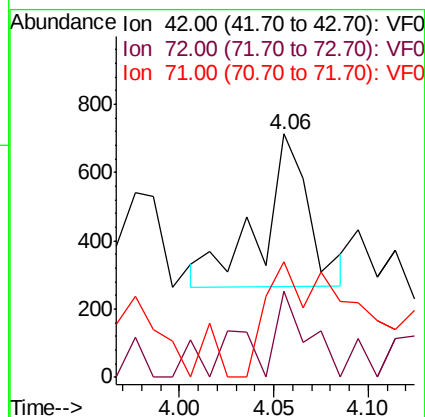
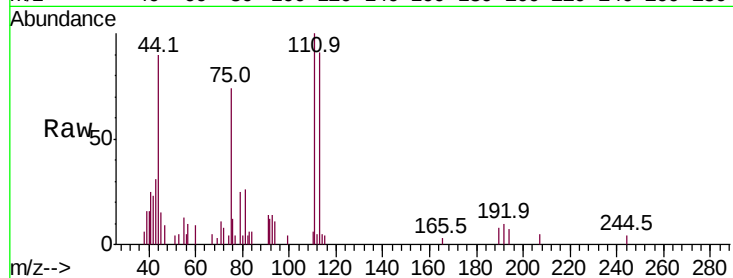
Tot Ion: 42 Resp: 785

Ion Ratio Lower Upper

42 100

72 36.9 31.4 47.0

71 162.7 31.8 47.6#



#33

1,2-Dichloroethane-d4

Concen: 43.975 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF060578.D

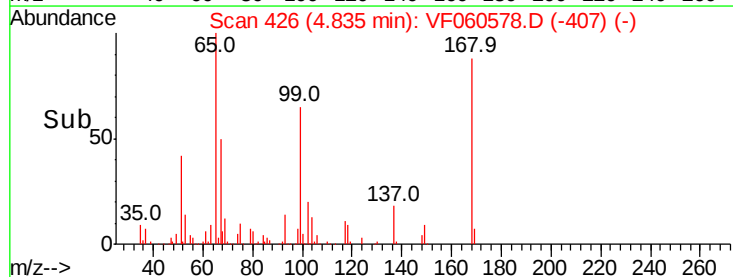
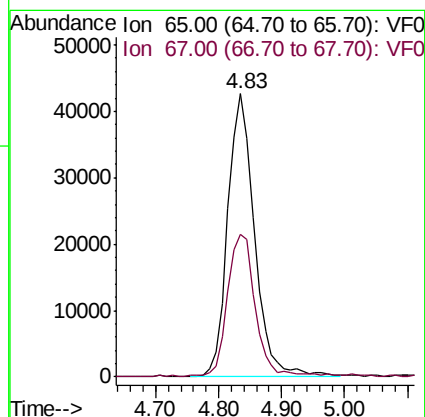
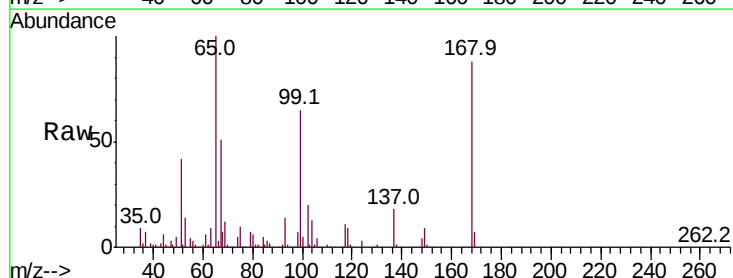
Acq: 5 Nov 2018 17:49

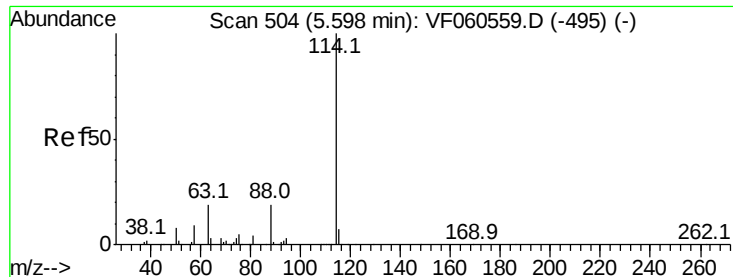
Tgt Ion: 65 Resp: 125876

Ion Ratio Lower Upper

65 100

67 50.5 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF060578.D

Acq: 5 Nov 2018 17:49

Instrument :

MSVOA_F

ClientSampleId :

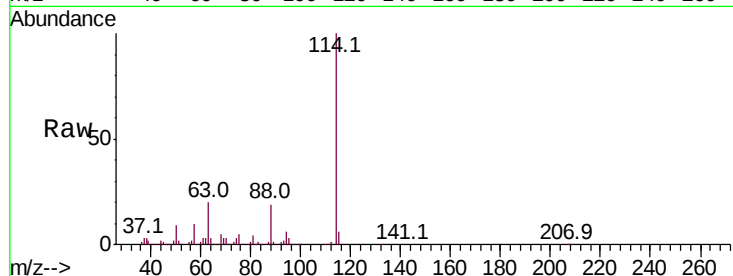
Tot Ion:114 Resp: 474982

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.0

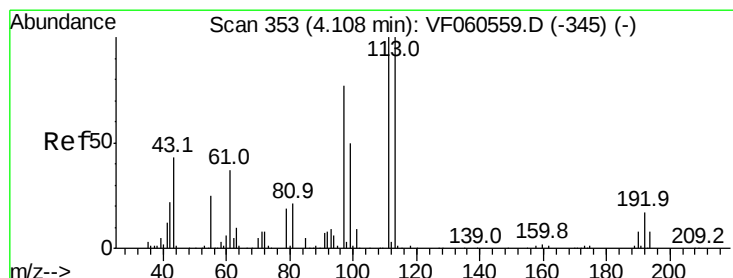
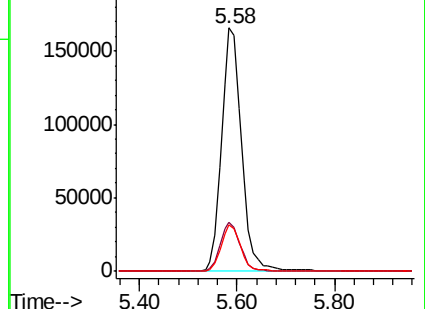
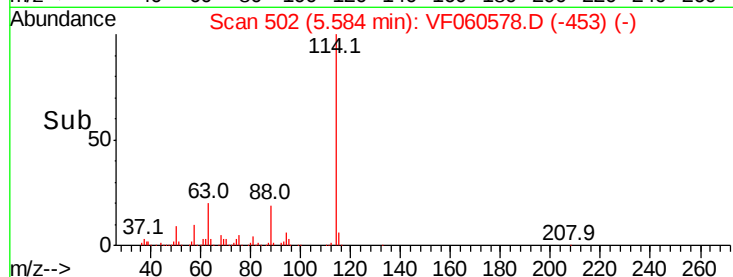
88 18.9 0.0 38.2



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: 44.833 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.00 min

Lab File: VF060578.D

Acq: 5 Nov 2018 17:49

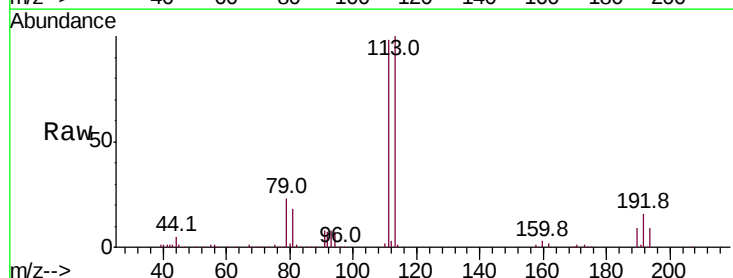
Tgt Ion:113 Resp: 164523

Ion Ratio Lower Upper

113 100

111 98.1 79.9 119.9

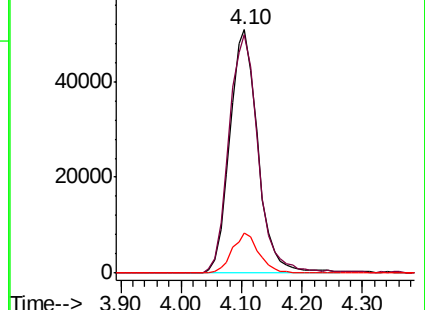
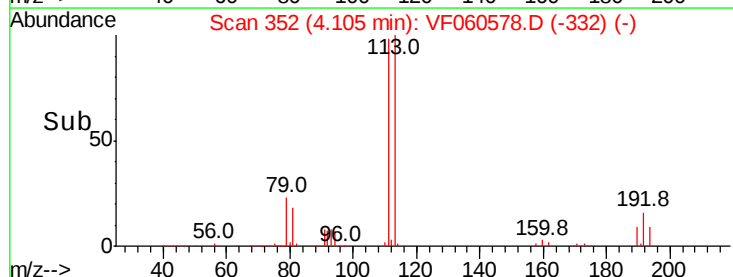
192 16.5 13.3 19.9

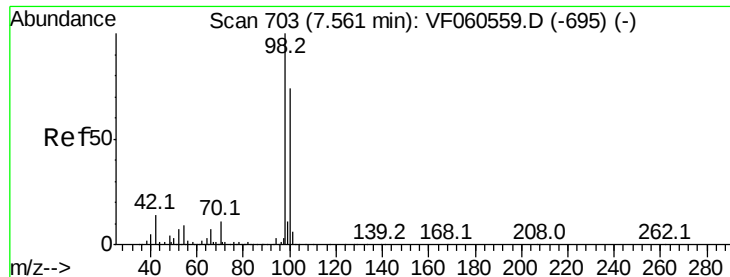


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 40.810 ug/l

RT: 7.55 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF060578.D

Acq: 5 Nov 2018 17:49

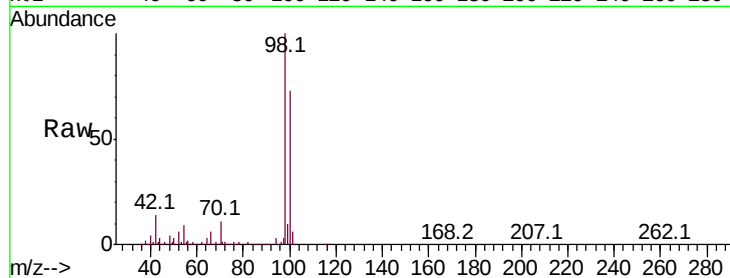
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 98 Resp: 443635

Ion Ratio Lower Upper

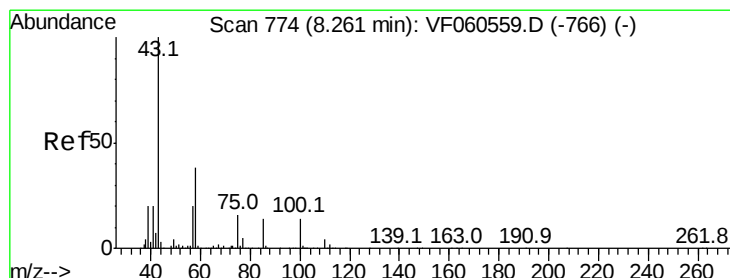
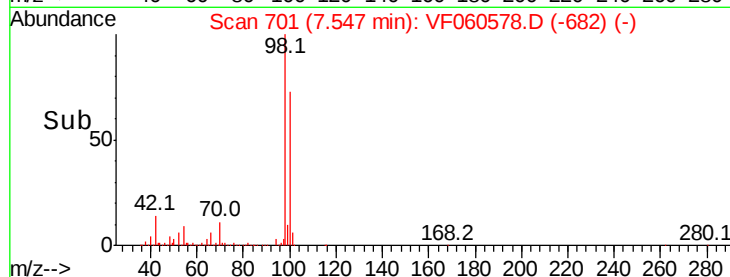
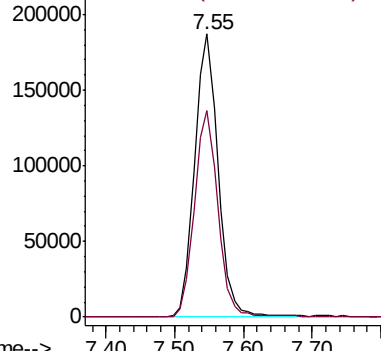
98 100

100 72.8 59.4 89.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#51

4-Methyl-2-Pentanone

Concen: 2.378 ug/l

RT: 8.25 min Scan# 772

Delta R.T. -0.01 min

Lab File: VF060578.D

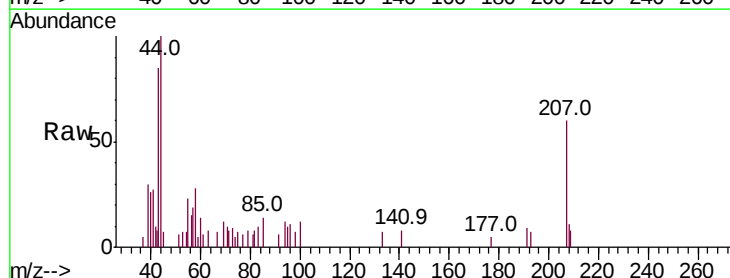
Acq: 5 Nov 2018 17:49

Tgt Ion: 43 Resp: 5078

Ion Ratio Lower Upper

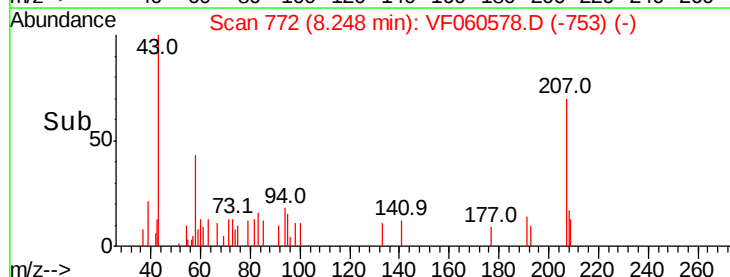
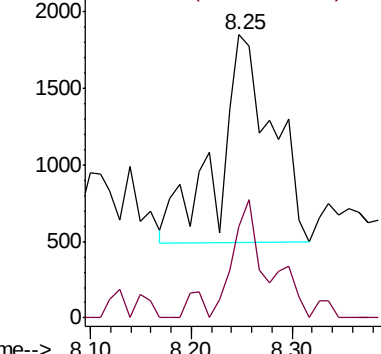
43 100

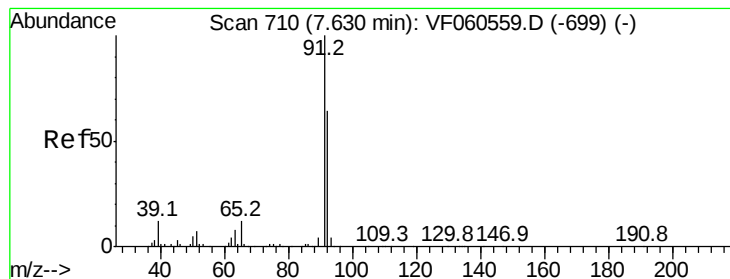
58 32.4 30.1 45.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 7.64 min Scan# 710

Delta R.T. 0.01 min

Lab File: VF060578.D

Acq: 5 Nov 2018 17:49

Instrument :

MSVOA_F

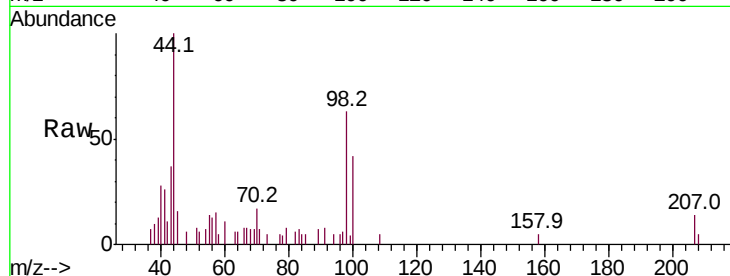
ClientSampleId :

Tot Ion: 63 Resp: 89

Ion Ratio Lower Upper

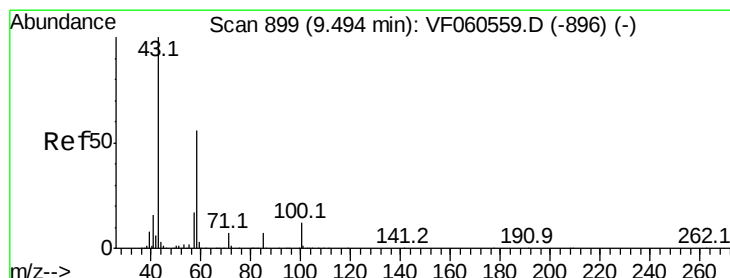
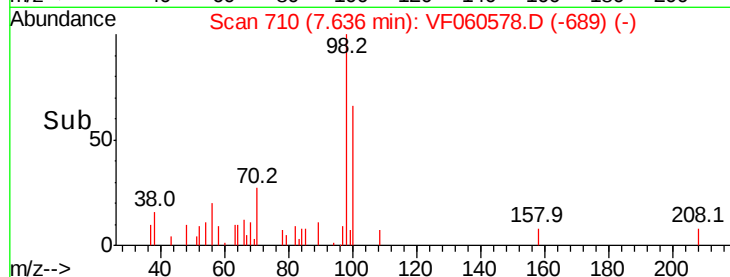
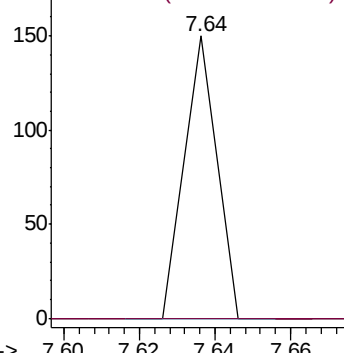
63 100

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: VF060578.D

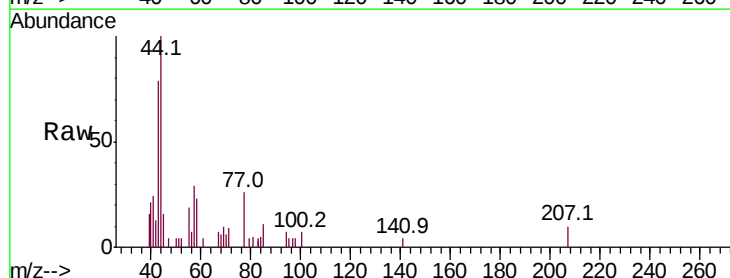
Acq: 5 Nov 2018 17:49

Tgt Ion: 43 Resp: 4368

Ion Ratio Lower Upper

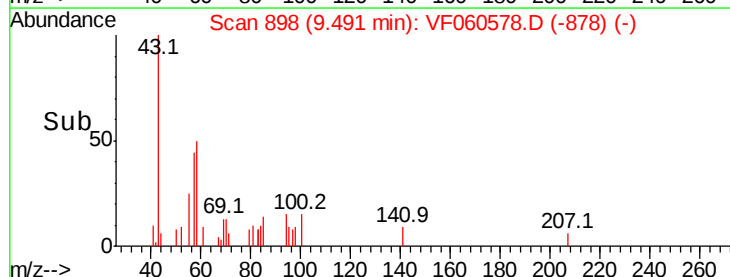
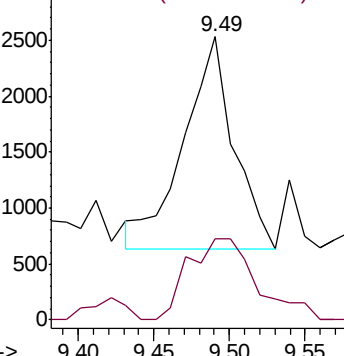
43 100

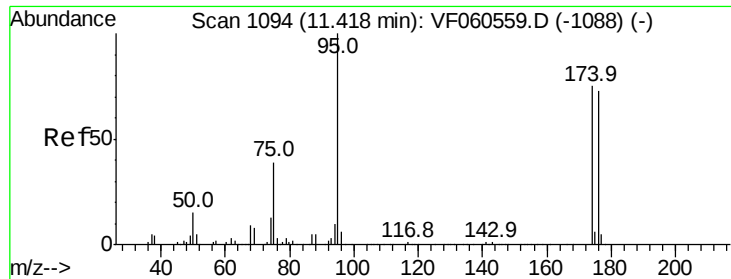
58 28.9 26.1 78.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 42.923 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF060578.D

Acq: 5 Nov 2018 17:49

Instrument :

MSVOA_F

ClientSampleId :

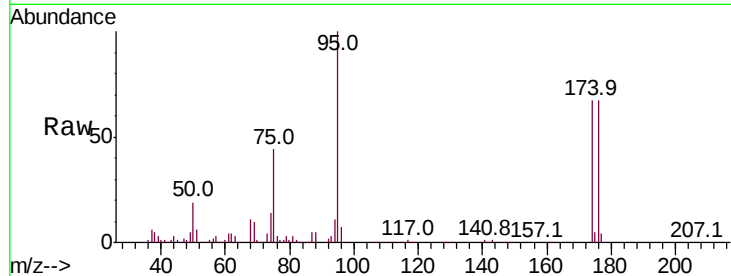
Tot Ion: 95 Resp: 204102

Ion Ratio Lower Upper

95 100

174 67.4 0.0 149.0

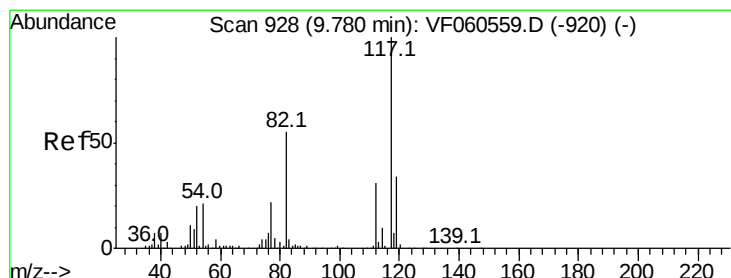
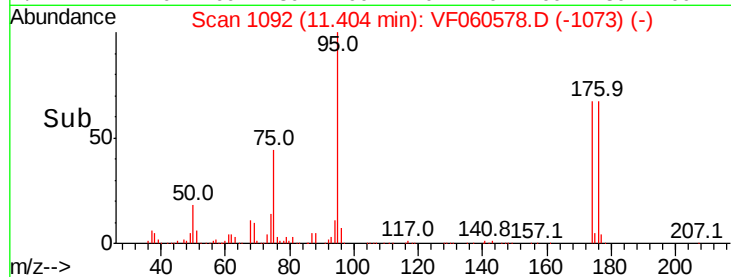
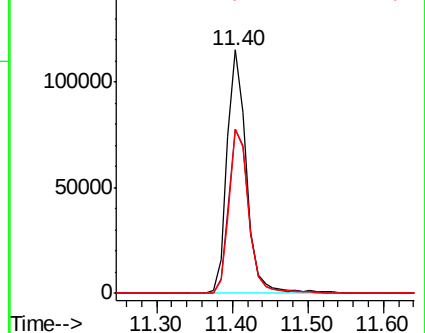
176 67.4 0.0 145.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 926

Delta R.T. -0.01 min

Lab File: VF060578.D

Acq: 5 Nov 2018 17:49

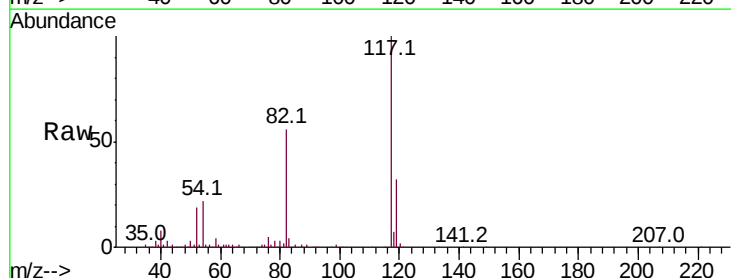
Tgt Ion: 117 Resp: 451728

Ion Ratio Lower Upper

117 100

82 55.6 43.9 65.9

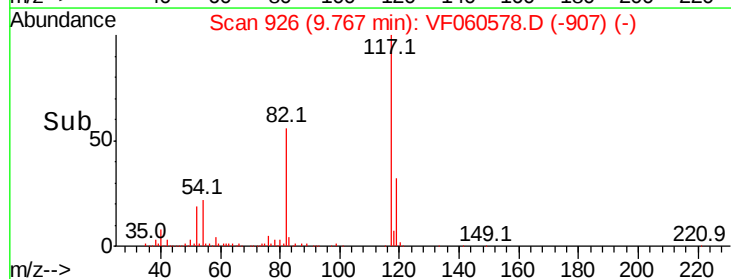
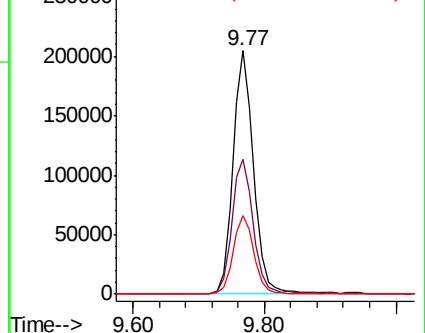
119 32.2 27.4 41.0

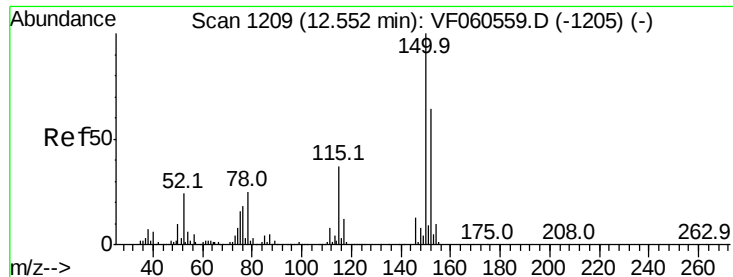


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



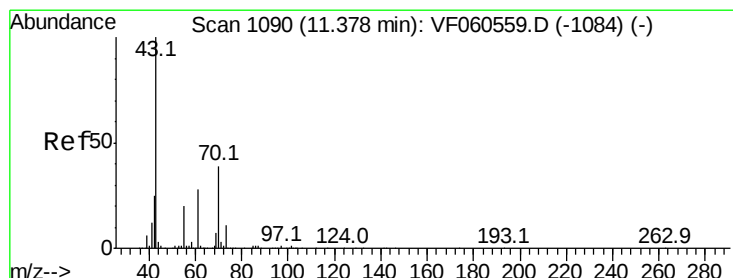
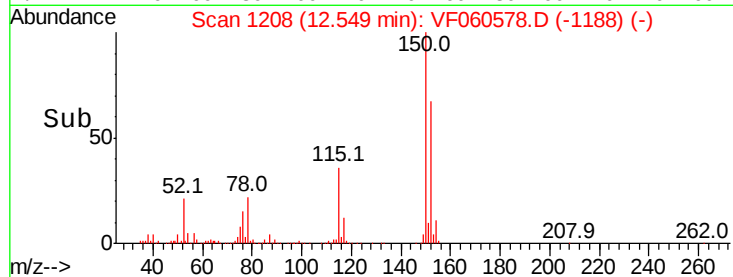
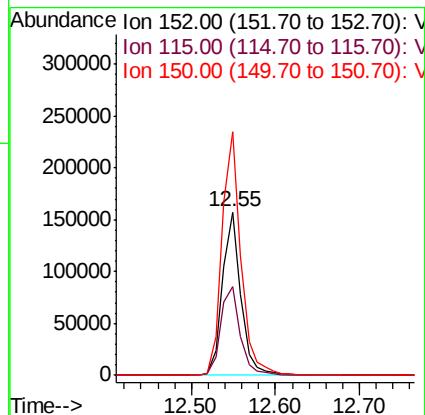
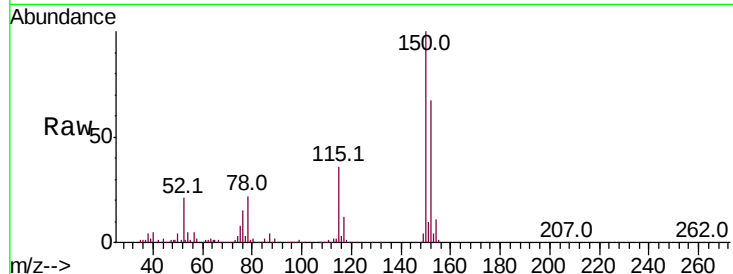


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VF060578.D
Acq: 5 Nov 2018 17:49

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:152 Resp: 240081
Ion Ratio Lower Upper
152 100
115 54.2 29.6 88.8
150 149.3 0.0 315.6



#74

N-ethyl acetate
Concen: Below Cal
RT: 11.36 min Scan# 1088
Delta R.T. -0.01 min
Lab File: VF060578.D
Acq: 5 Nov 2018 17:49

Tgt Ion: 43 Resp: 864
Ion Ratio Lower Upper
43 100
70 24.0 30.9 46.3#
55 47.0 16.6 24.8#
61 24.7 22.0 33.0

