

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110818\
 Data File : VF060665.D
 Acq On : 8 Nov 2018 22:35
 Operator : VA/AP
 Sample : J5813-12RE
 Misc : 5.74g/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 09 12:35:41 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	232792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	412962	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	356070	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	192112	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	151153	64.26	ug/l	-0.02
Spiked Amount			Recovery	=	128.52%	
35) Dibromofluoromethane	4.10	113	202423	63.44	ug/l	0.00
Spiked Amount			Recovery	=	126.88%	
50) Toluene-d8	7.54	98	525471	55.60	ug/l	-0.02
Spiked Amount			Recovery	=	111.20%	
62) 4-Bromofluorobenzene	11.40	95	239032	57.82	ug/l	-0.02
Spiked Amount			Recovery	=	115.64%	

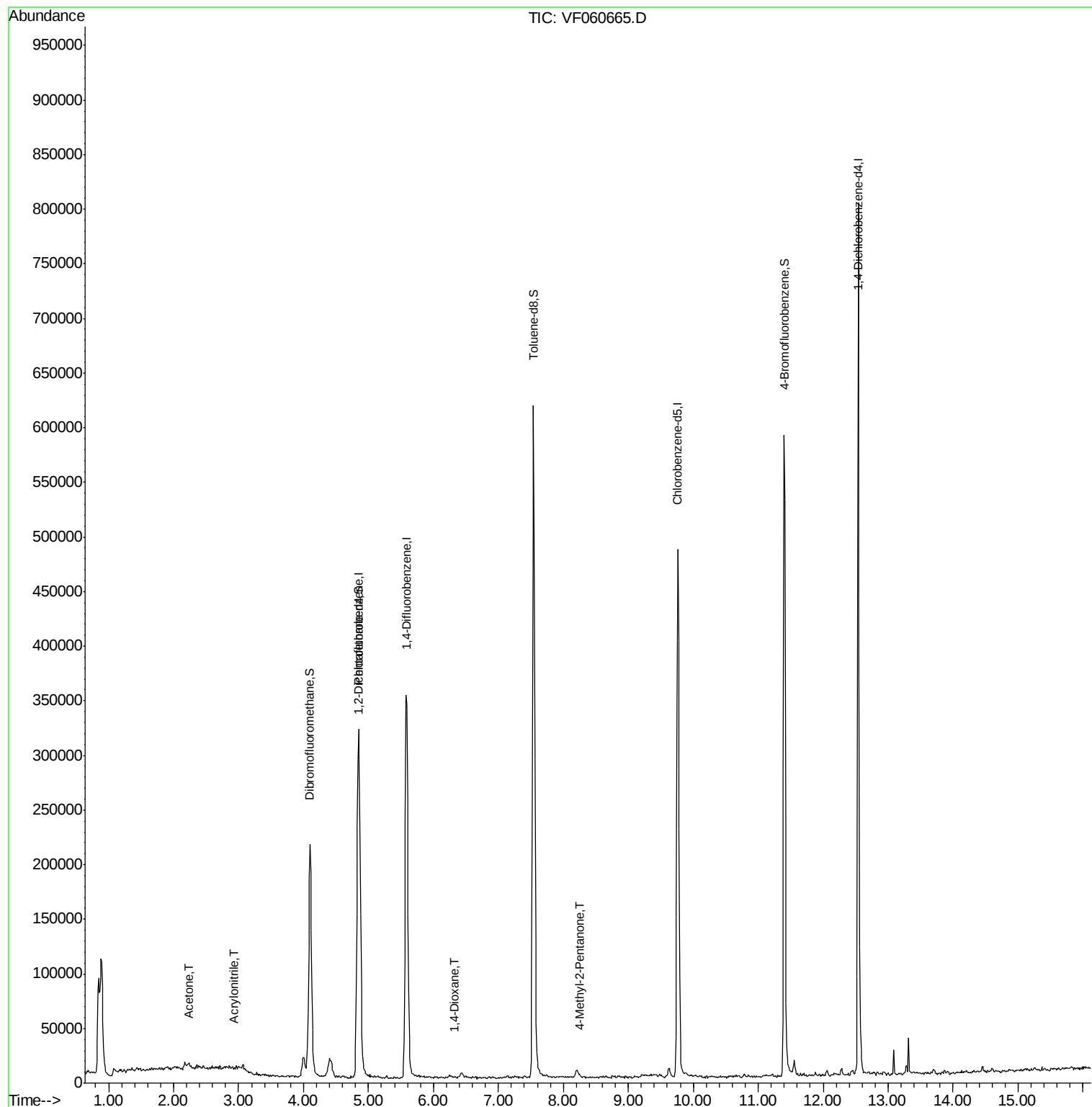
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	993	Below Cal	#	41
11) Tert butyl alcohol	2.55	59	111	Below Cal	#	1
13) Acrolein	2.00	56	528	Below Cal	#	80
15) Acrylonitrile	2.93	53	537	1.916	ug/l #	10
16) Acetone	2.24	43	3643	6.573	ug/l #	84
20) Methylene Chloride	2.18	84	2584	Below Cal	#	81
25) 2-Butanone	4.36	43	608	Below Cal		93
29) Tetrahydrofuran	4.08	42	443	Below Cal	#	36
49) 1,4-Dioxane	6.34	88	80	4.407	ug/l #	1
51) 4-Methyl-2-Pentanone	8.25	43	2531	1.363	ug/l #	77
58) 2-Chloroethyl Vinyl ether	7.61	63	253	Below Cal		100
59) 2-Hexanone	9.49	43	2236	Below Cal		69
74) N-amyl acetate	11.35	43	536	Below Cal	#	51
89) n-Butylbenzene	12.84	91	665	Below Cal		87

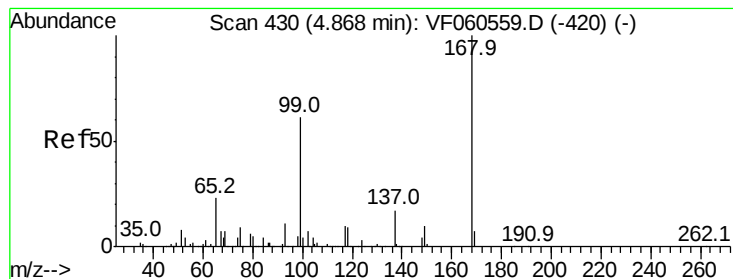
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF060665.D

Acq: 8 Nov 2018 22:35

Instrument :

MSVOA_F

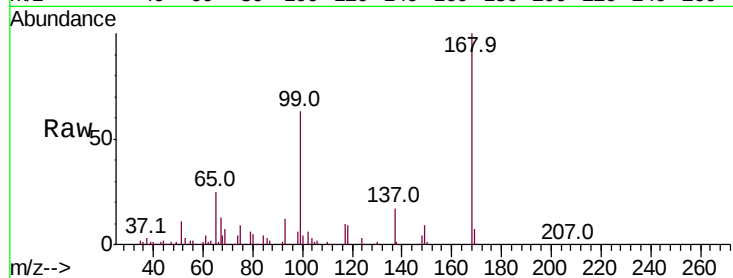
ClientSampleId :

Tot Ion:168 Resp: 232792

Ion Ratio Lower Upper

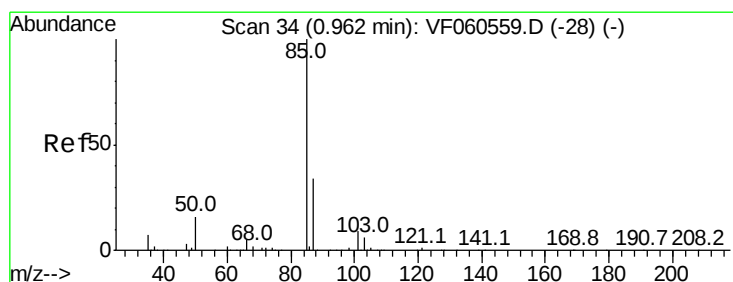
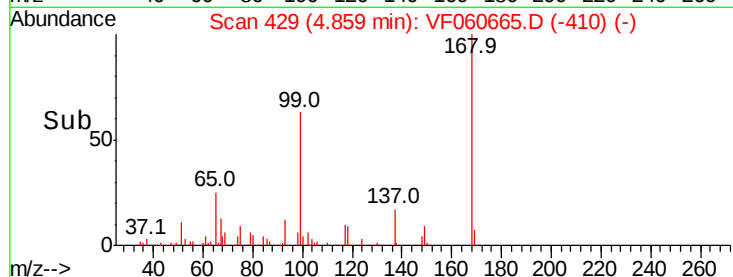
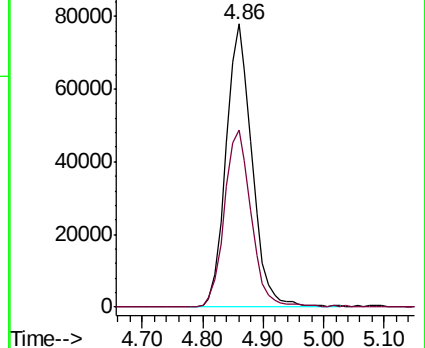
168 100

99 62.7 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: 0.98 min Scan# 36

Delta R.T. 0.02 min

Lab File: VF060665.D

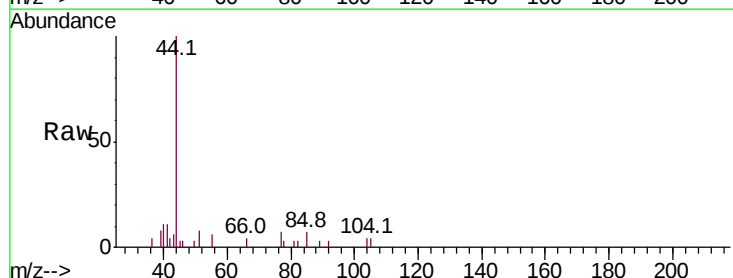
Acq: 8 Nov 2018 22:35

Tgt Ion: 85 Resp: 993

Ion Ratio Lower Upper

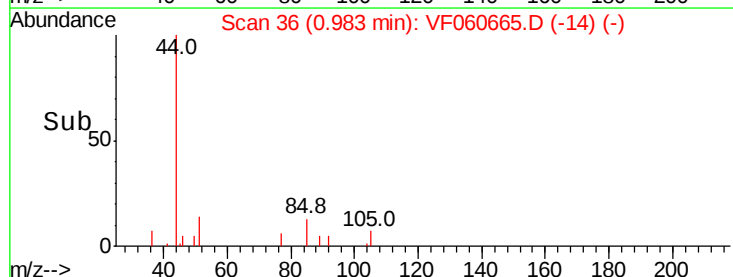
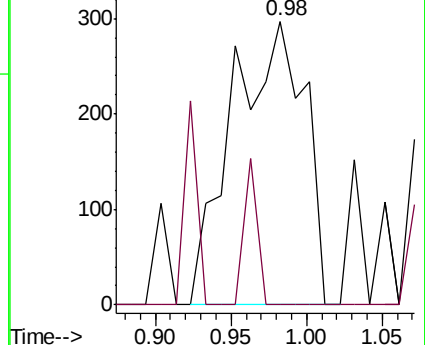
85 100

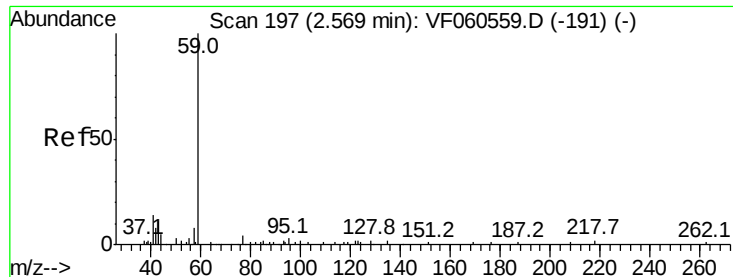
87 0.0 16.9 50.7#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



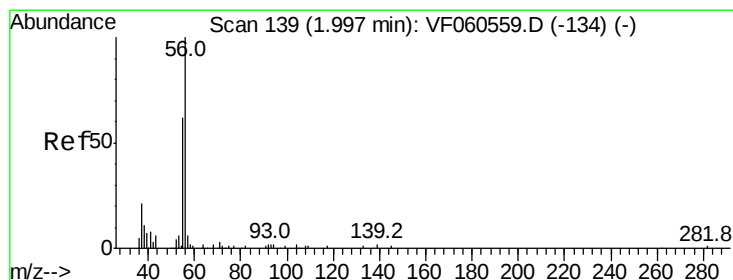
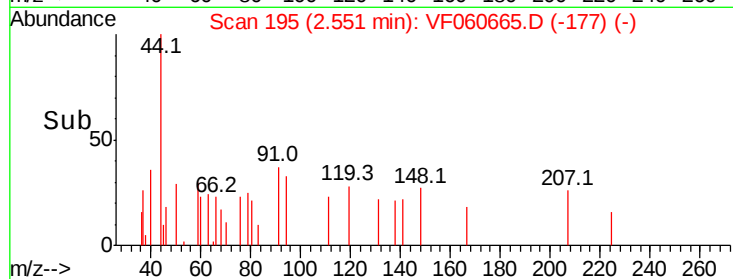
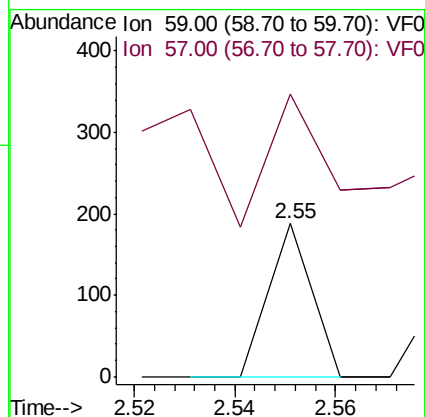
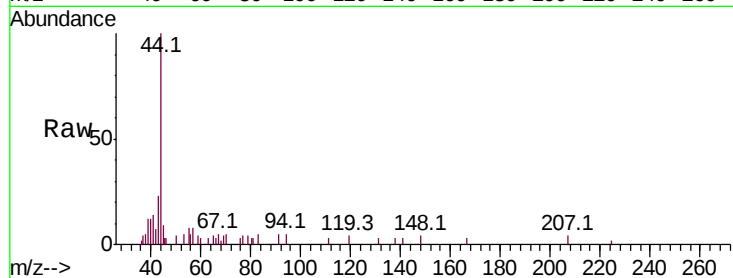


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.55 min Scan# 195
Delta R.T. -0.02 min
Lab File: VF060665.D
Acq: 8 Nov 2018 22:35

Instrument :
MSVOA_F
ClientSampled :

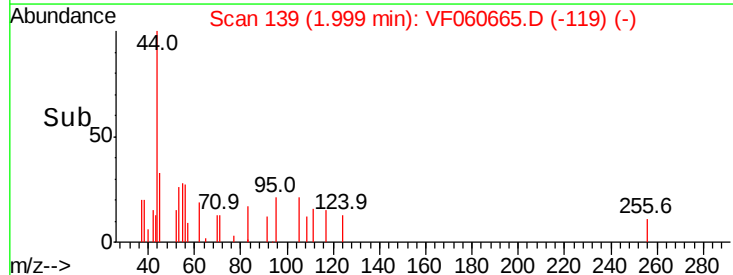
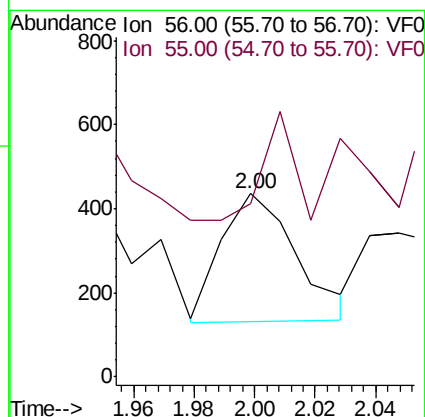
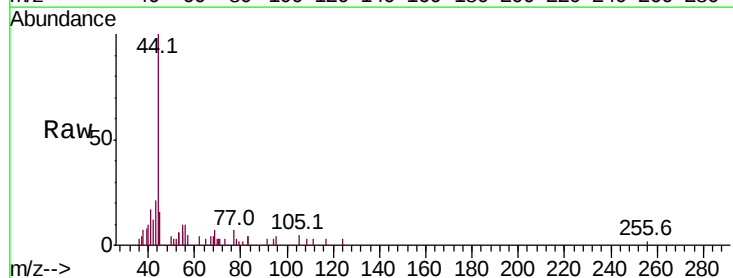
Tot Ion: 59 Resp: 111
Ion Ratio Lower Upper
59 100
57 185.1 19.0 28.4#

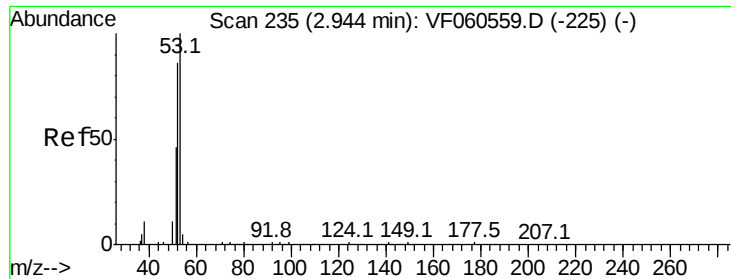


#13

Acrolein
Concen: Below Cal
RT: 2.00 min Scan# 139
Delta R.T. 0.00 min
Lab File: VF060665.D
Acq: 8 Nov 2018 22:35

Tgt Ion: 56 Resp: 528
Ion Ratio Lower Upper
56 100
55 94.7 61.8 92.6#





#15

Acrylonitrile

Concen: 1.916 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.02 min

Lab File: VF060665.D

Acq: 8 Nov 2018 22:35

Instrument :

MSVOA_F

ClientSampled :

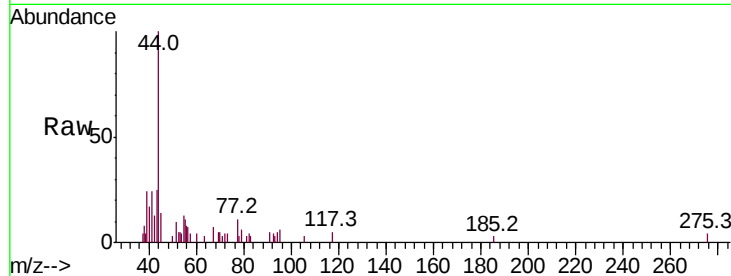
Tot Ion: 53 Resp: 537

Ion Ratio Lower Upper

53 100

52 0.0 68.5 102.7#

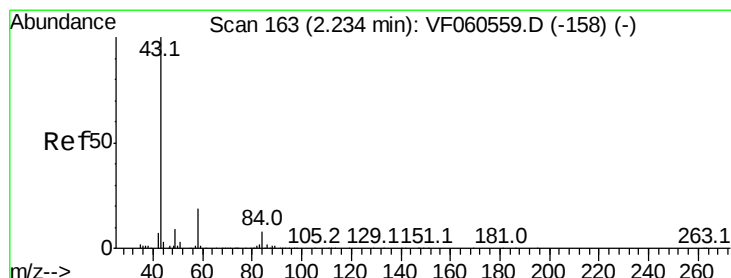
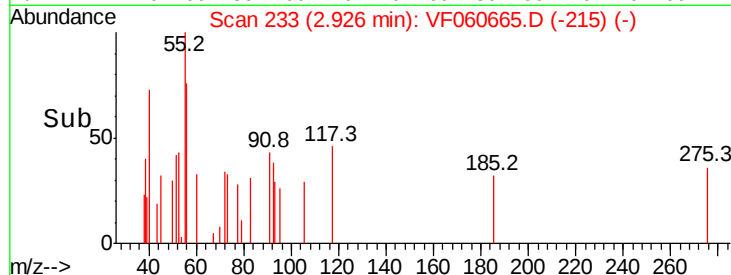
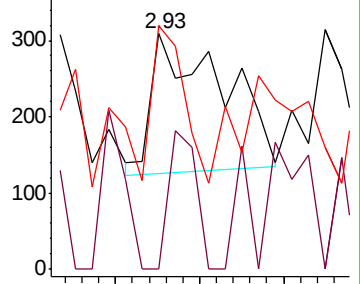
51 103.2 38.2 57.2#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 6.573 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF060665.D

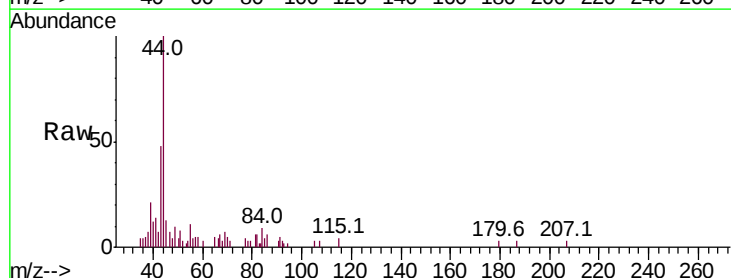
Acq: 8 Nov 2018 22:35

Tgt Ion: 43 Resp: 3643

Ion Ratio Lower Upper

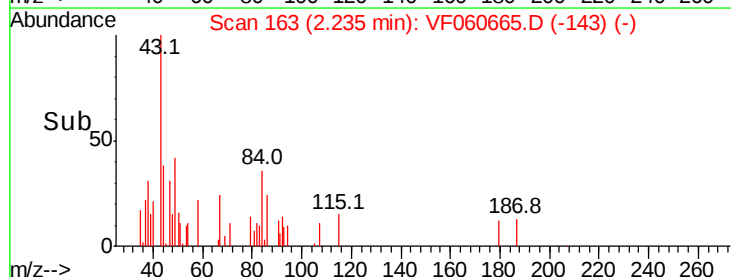
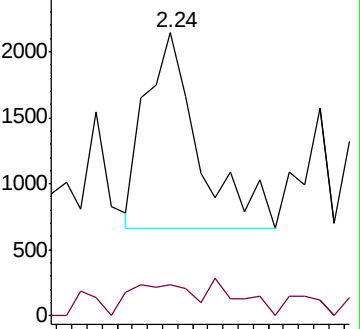
43 100

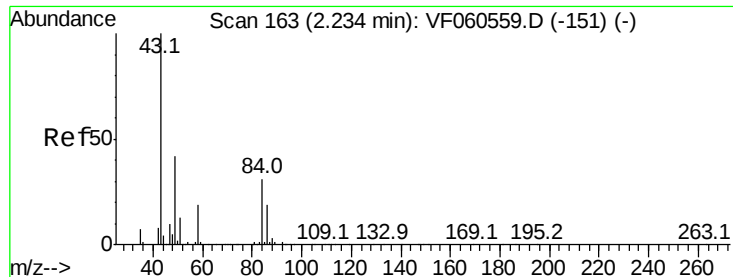
58 11.0 14.6 22.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

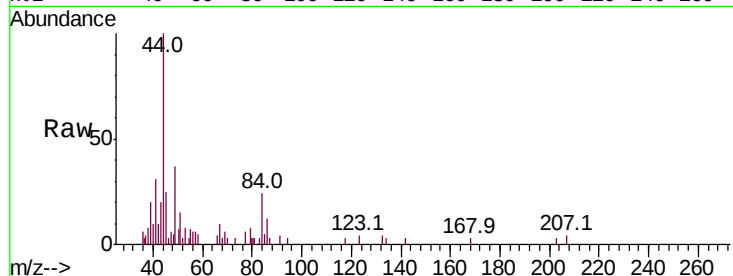




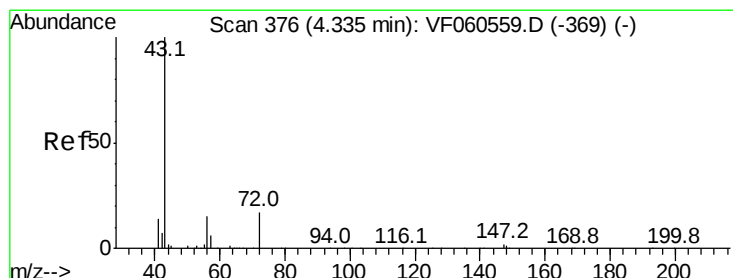
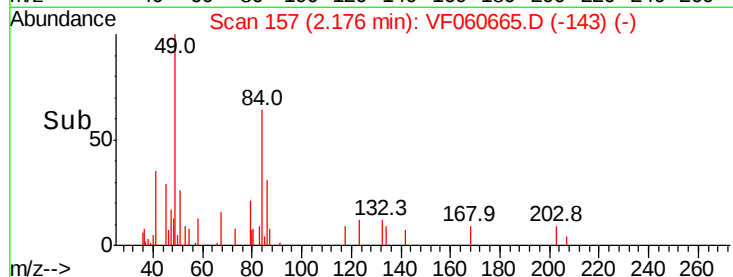
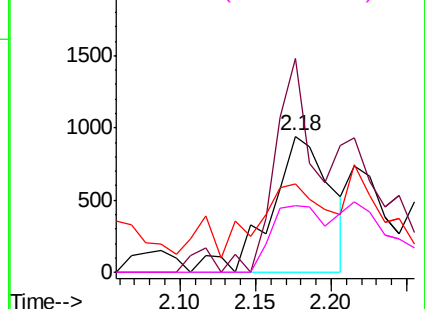
#20
Methvlene Chloride
Concen: Below Cal
RT: 2.18 min Scan# 157
Delta R.T. -0.06 min
Lab File: VF060665.D
Acq: 8 Nov 2018 22:35

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 84 Resp: 2584
Ion Ratio Lower Upper
84 100
49 156.9 109.9 164.9
51 65.3 35.8 53.8#
86 49.2 48.3 72.5

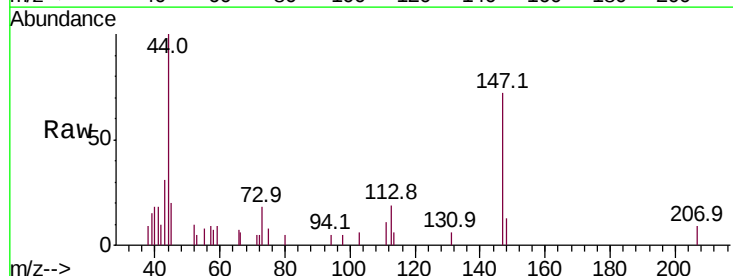


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

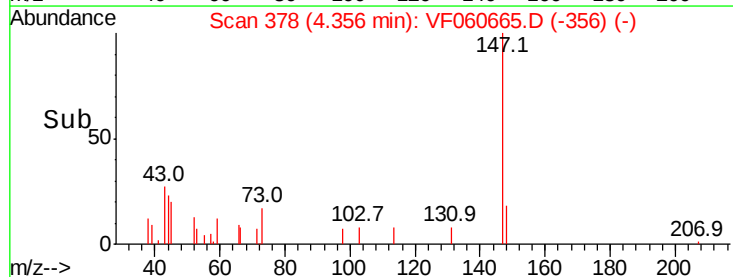
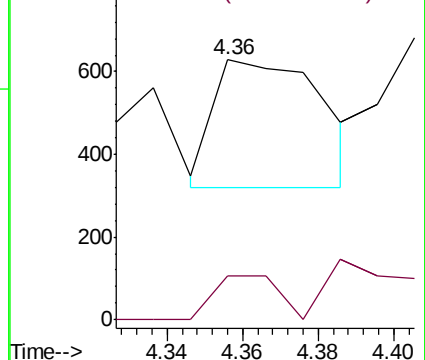


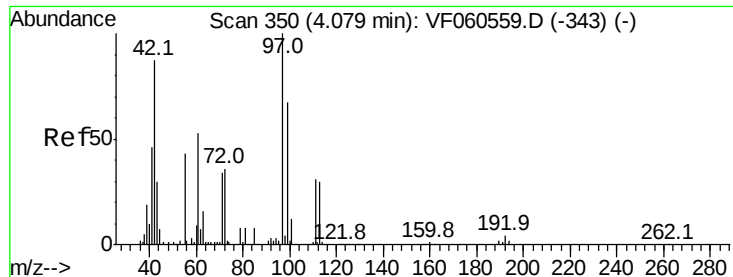
#25
2-Butanone
Concen: Below Cal
RT: 4.36 min Scan# 378
Delta R.T. 0.02 min
Lab File: VF060665.D
Acq: 8 Nov 2018 22:35

Tgt Ion: 43 Resp: 608
Ion Ratio Lower Upper
43 100
72 16.9 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

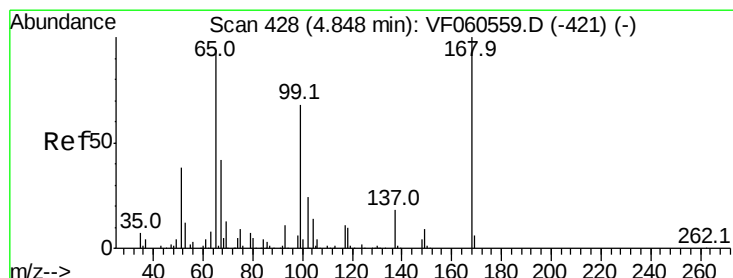
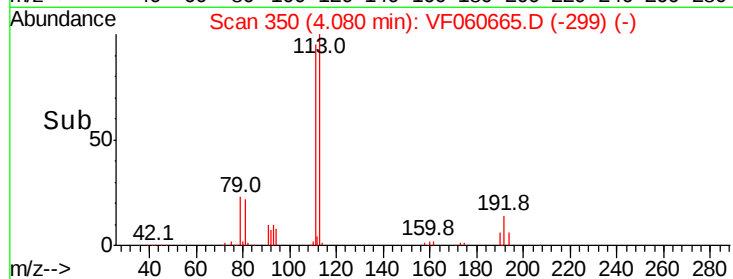
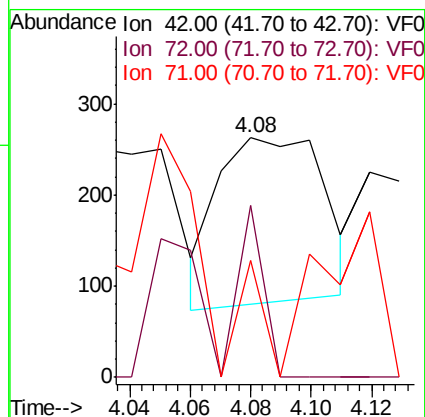
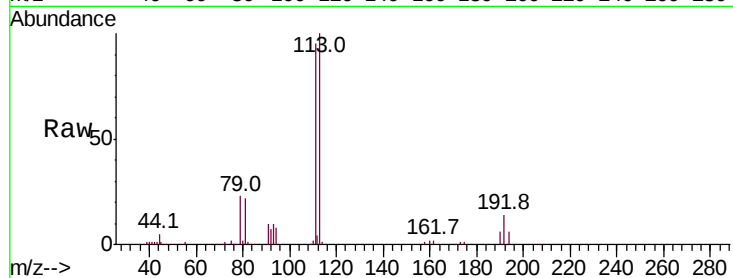
Delta R.T. 0.00 min

Lab File: VF060665.D

Acq: 8 Nov 2018 22:35

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	42	Resp:	443
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.0#
71	0.0	31.8	47.6#



#33

1,2-Dichloroethane-d4

Concen: 64.264 ug/l

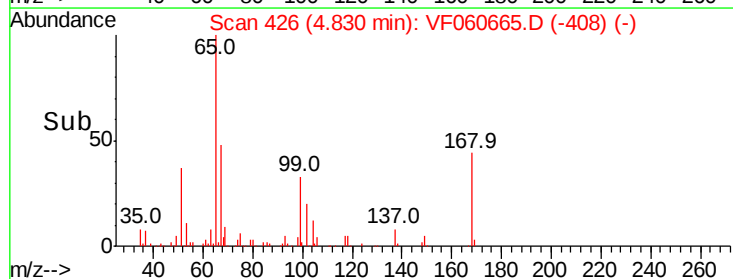
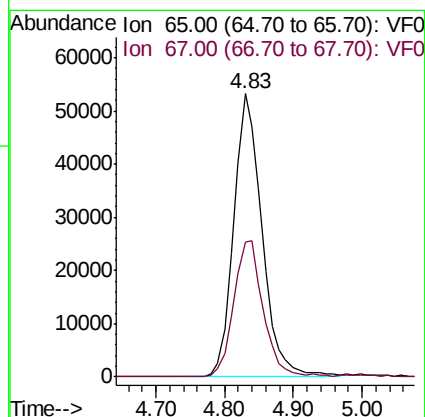
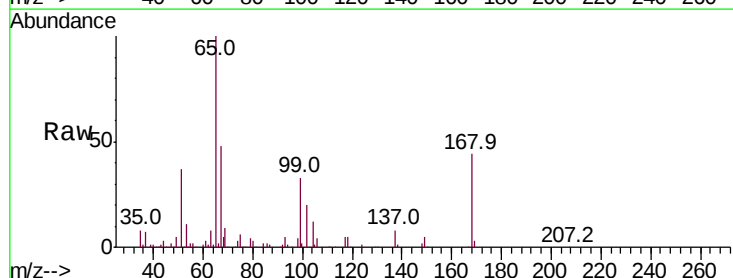
RT: 4.83 min Scan# 426

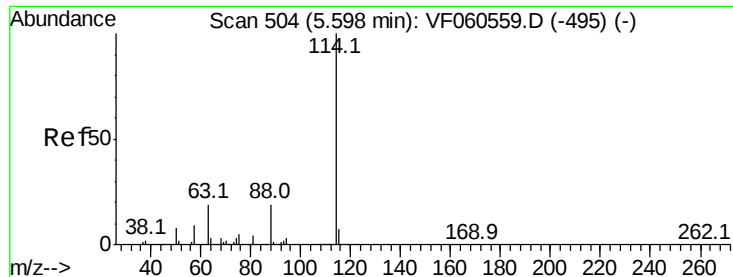
Delta R.T. -0.02 min

Lab File: VF060665.D

Acq: 8 Nov 2018 22:35

Tgt Ion:	65	Resp:	151153
Ion	Ratio	Lower	Upper
65	100		
67	47.8	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: VF060665.D

Acq: 8 Nov 2018 22:35

Instrument :

MSVOA_F

ClientSampleId :

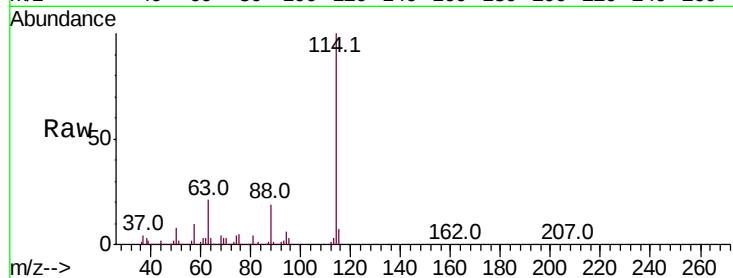
Tot Ion:114 Resp: 412962

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.0

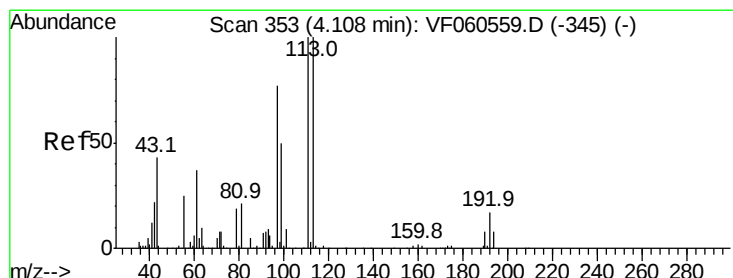
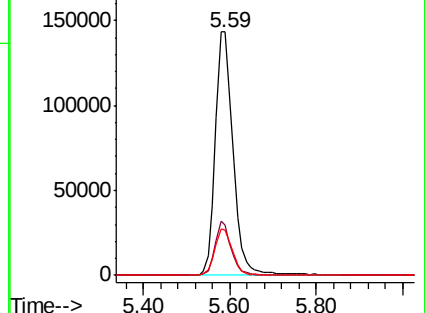
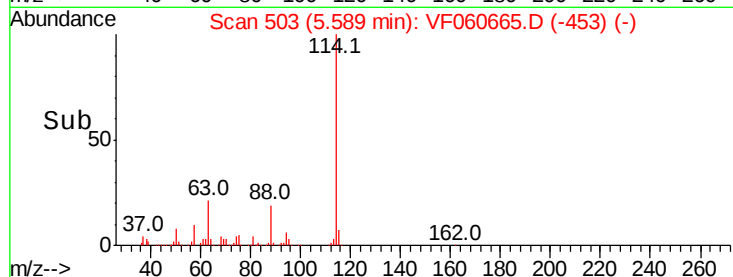
88 18.7 0.0 38.2



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: 63.445 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF060665.D

Acq: 8 Nov 2018 22:35

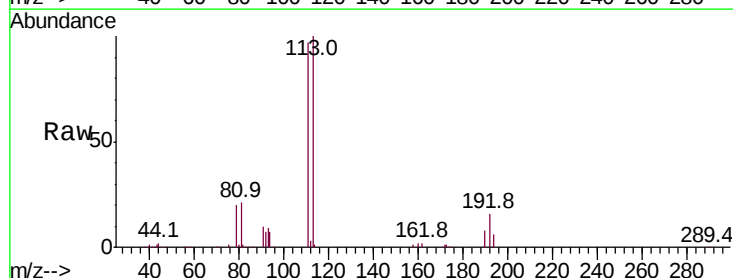
Tgt Ion:113 Resp: 202423

Ion Ratio Lower Upper

113 100

111 96.5 79.9 119.9

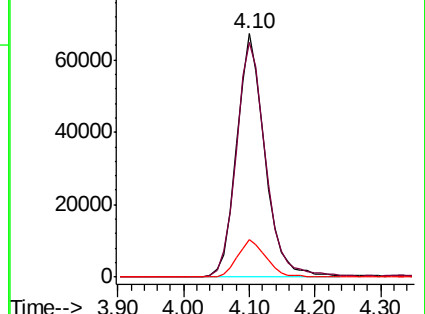
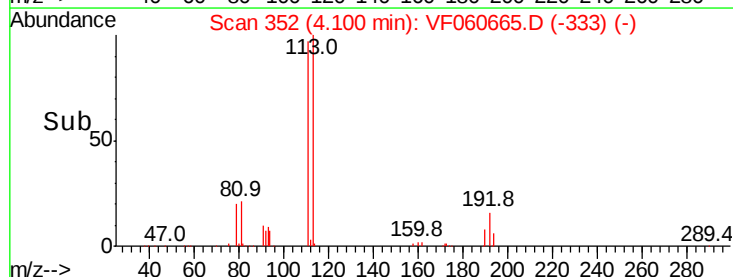
192 15.5 13.3 19.9

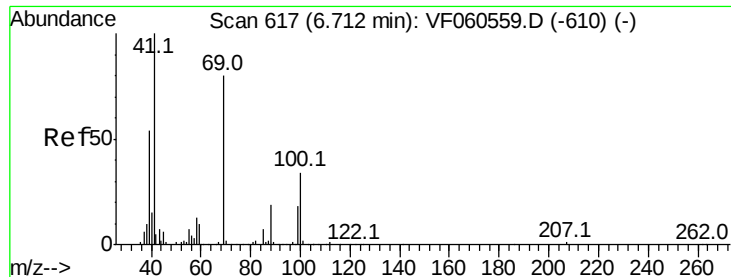


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

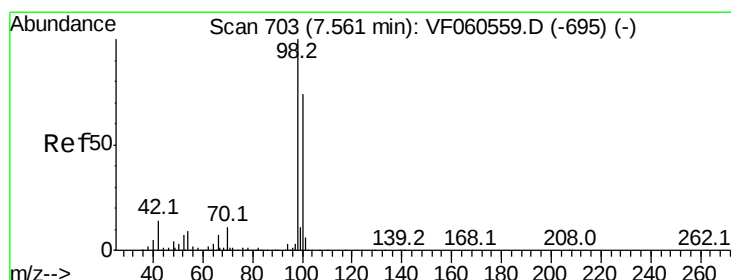
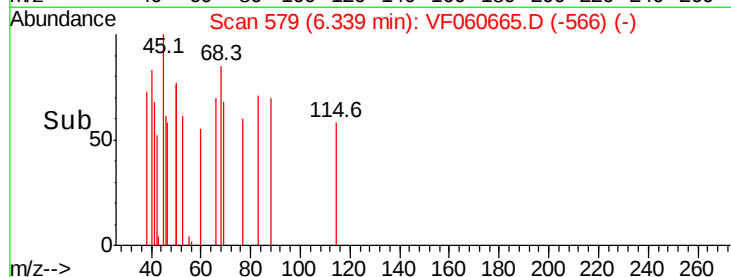
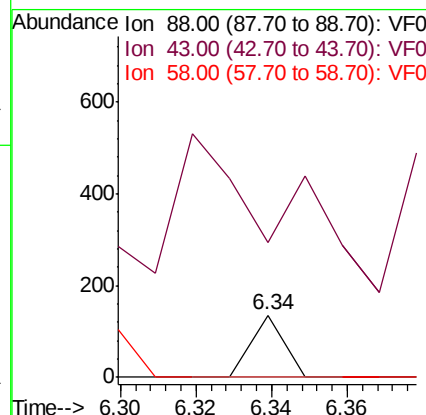
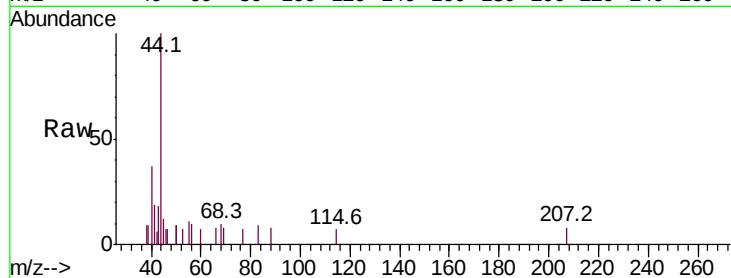




#49
1,4-Dioxane
Concen: 4.407 ug/l
RT: 6.34 min Scan# 579
Delta R.T. -0.37 min
Lab File: VF060665.D
Acq: 8 Nov 2018 22:35

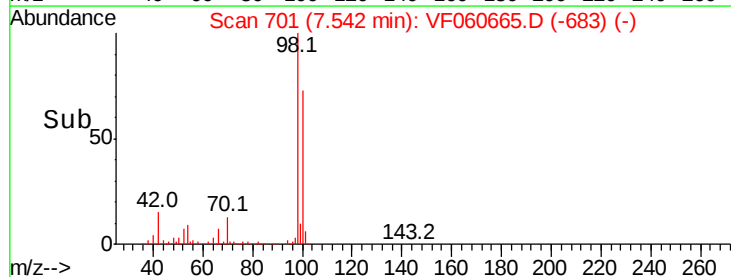
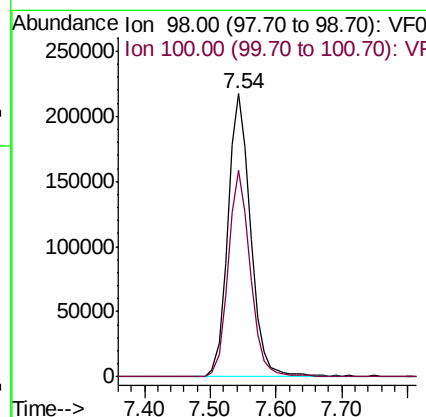
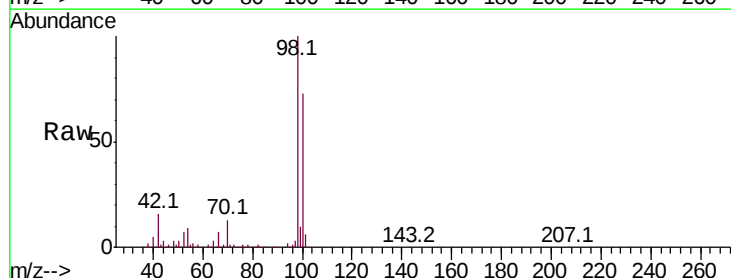
Instrument :
MSVOA_F
ClientSampled :

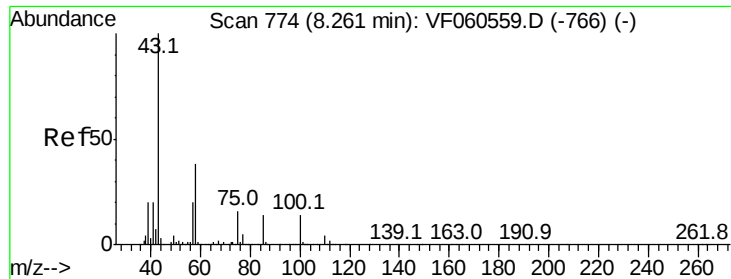
Tot Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 216.2 61.2 91.8#
58 0.0 56.9 85.3#



#50
Toluene-d8
Concen: 55.598 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF060665.D
Acq: 8 Nov 2018 22:35

Tgt Ion: 98 Resp: 525471
Ion Ratio Lower Upper
98 100
100 73.2 59.4 89.2





#51

4-Methyl-2-Pentanone

Concen: 1.363 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF060665.D

Acq: 8 Nov 2018 22:35

Instrument :

MSVOA_F

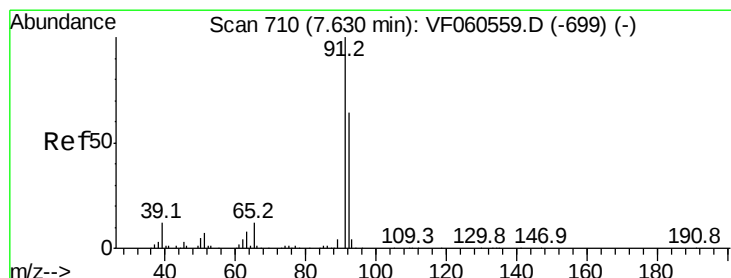
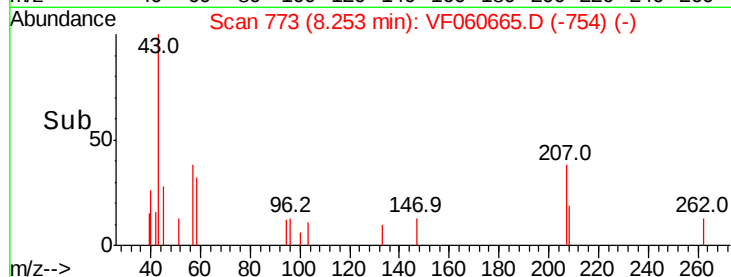
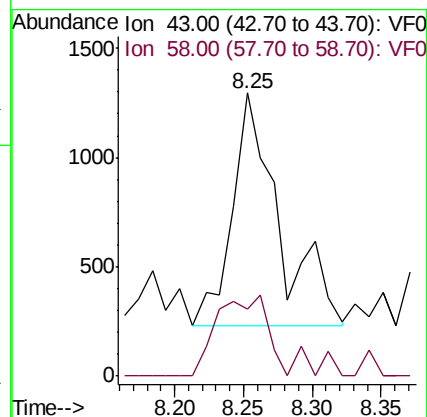
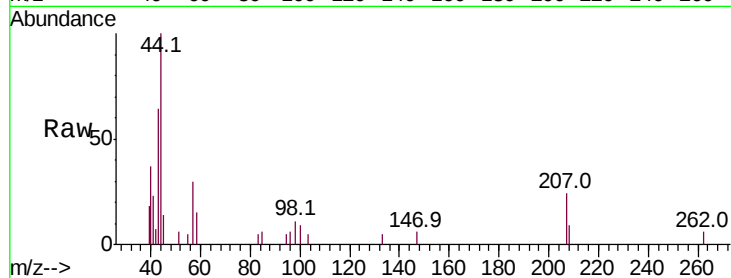
ClientSampled :

Tot Ion: 43 Resp: 2531

Ion Ratio Lower Upper

43 100

58 23.7 30.1 45.1#



#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF060665.D

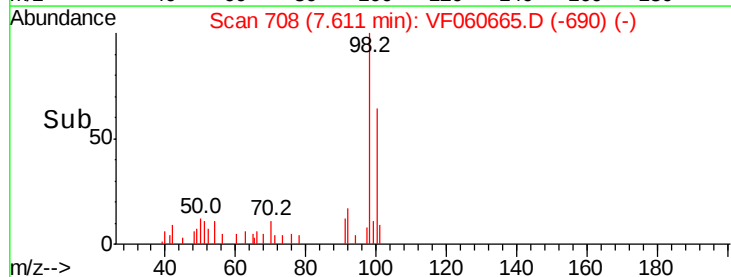
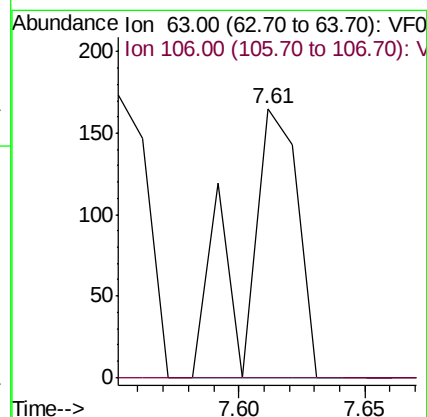
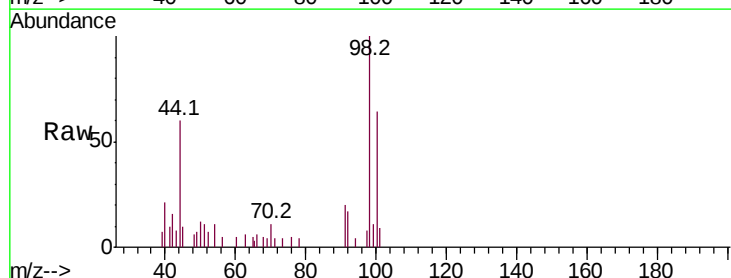
Acq: 8 Nov 2018 22:35

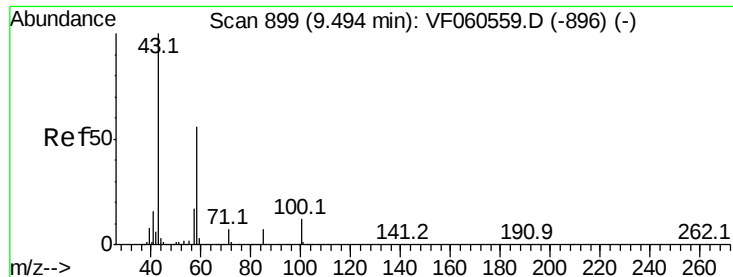
Tgt Ion: 63 Resp: 253

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: Below Cal

RT: 9.49 min Scan# 898

Delta R.T. -0.01 min

Lab File: VF060665.D

Acq: 8 Nov 2018 22:35

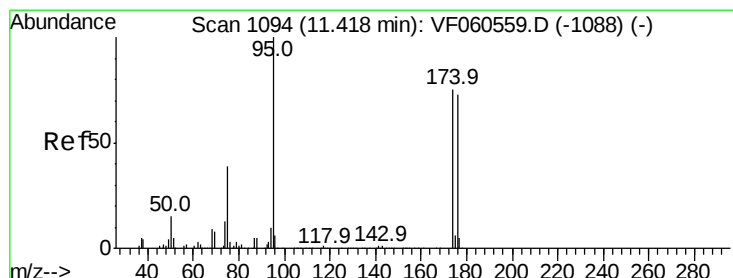
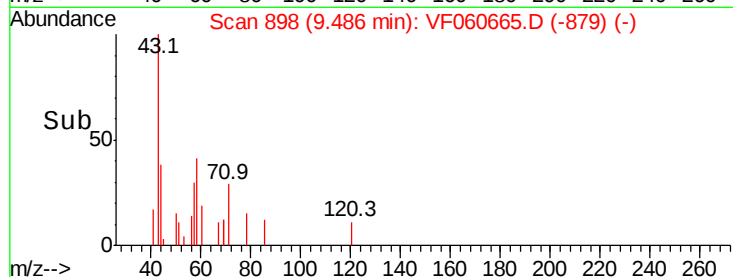
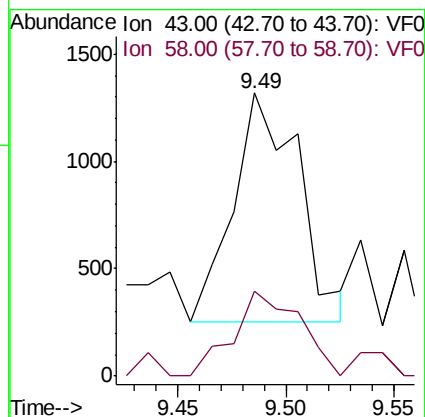
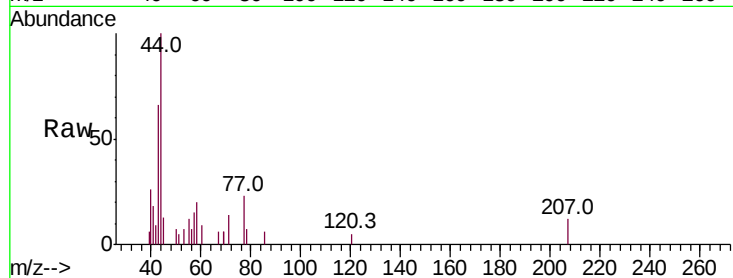
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 2236

Ion Ratio Lower Upper

43 100

58 30.1 26.1 78.3



#62

4-Bromofluorobenzene

Concen: 57.819 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF060665.D

Acq: 8 Nov 2018 22:35

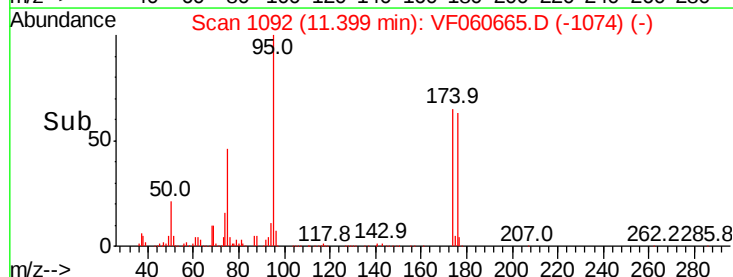
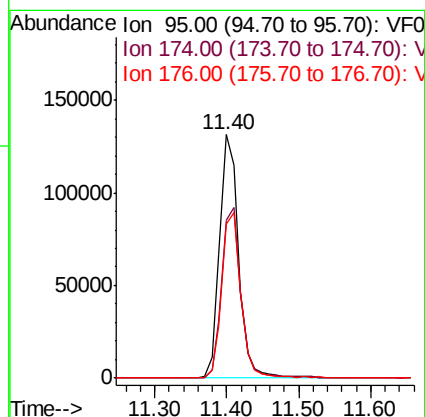
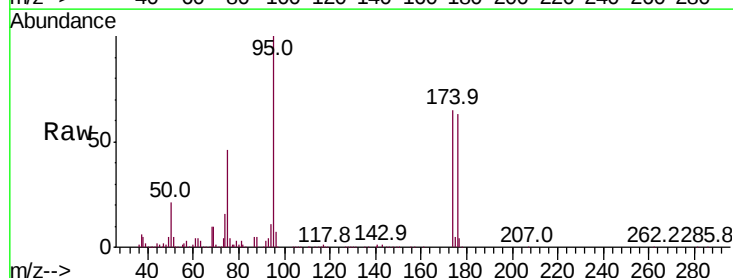
Tgt Ion: 95 Resp: 239032

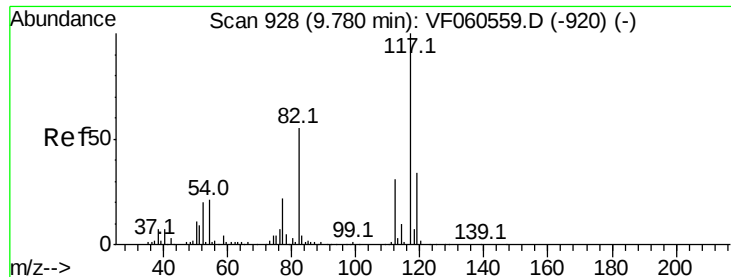
Ion Ratio Lower Upper

95 100

174 64.9 0.0 149.0

176 63.4 0.0 145.6

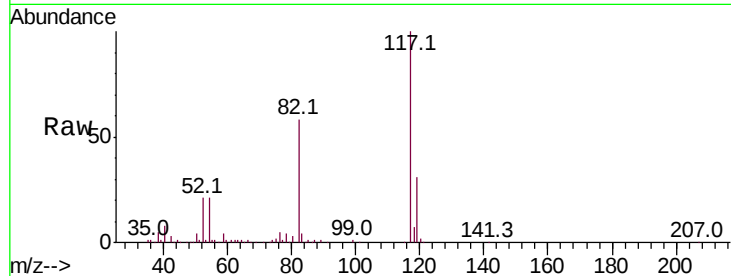




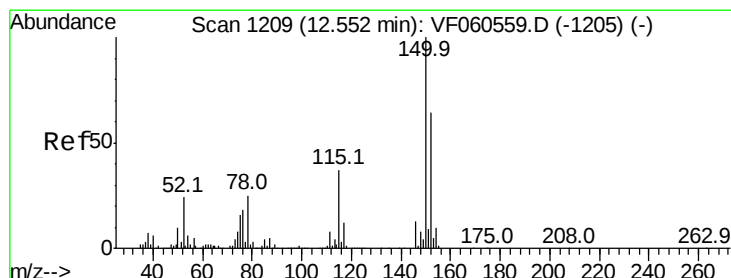
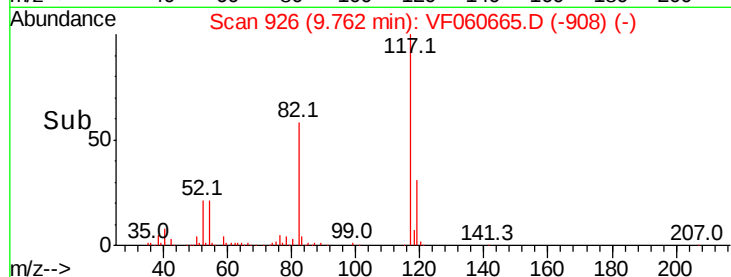
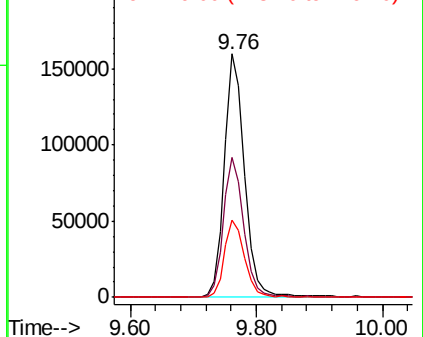
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF060665.D
Acq: 8 Nov 2018 22:35

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 356070
Ion Ratio Lower Upper
117 100
82 57.7 43.9 65.9
119 31.5 27.4 41.0

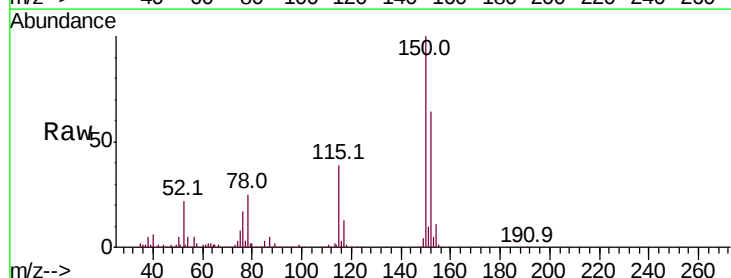


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

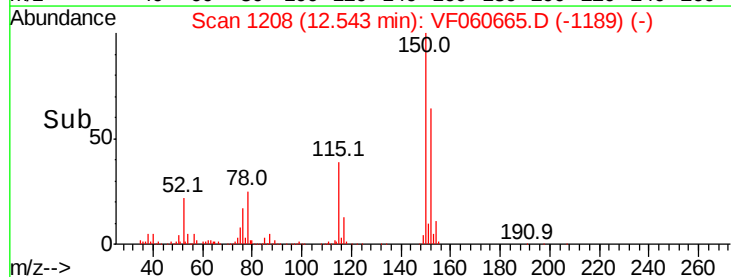
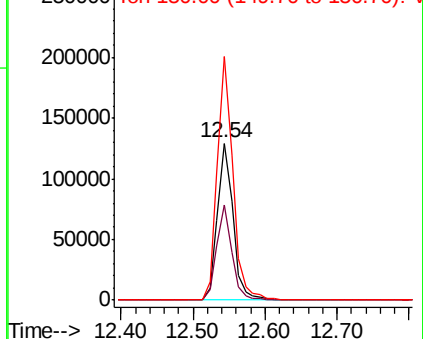


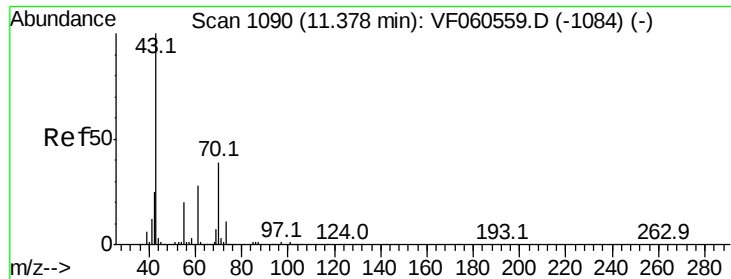
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF060665.D
Acq: 8 Nov 2018 22:35

Tgt Ion:152 Resp: 192112
Ion Ratio Lower Upper
152 100
115 60.7 29.6 88.8
150 155.3 0.0 315.6



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#74

N-amvl acetate

Concen: Below Cal

RT: 11.35 min Scan# 1087

Delta R.T. -0.03 min

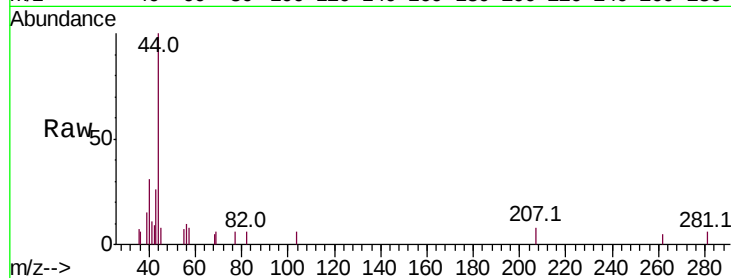
Lab File: VF060665.D

Acq: 8 Nov 2018 22:35

Instrument :

MSVOA_F

ClientSampleId :



Tot Ion: 43 Resp: 536

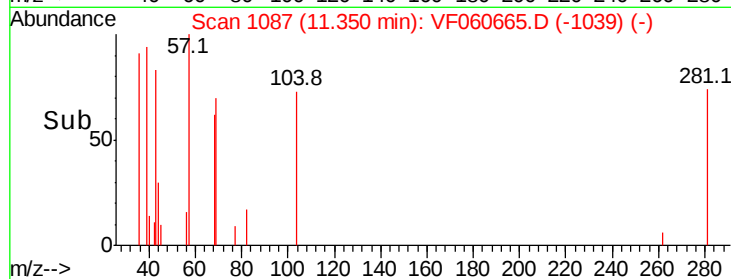
Ion Ratio Lower Upper

43 100

70 0.0 30.9 46.3#

55 28.0 16.6 24.8#

61 0.0 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

