

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\
 Data File : VF059605.D
 Acq On : 21 Jul 2018 2:28
 Operator : VA/AP
 Sample : J4057-17RE
 Misc : 6.04g/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 21 03:59:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	178984	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	266369	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	219200	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	87216	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	110615	39.74	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	79.48%	
35) Dibromofluoromethane	4.30	113	108462	47.02	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	94.04%	
50) Toluene-d8	7.72	98	210448	36.21	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	72.42%	
62) 4-Bromofluorobenzene	11.51	95	86894	28.50	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	57.00%	

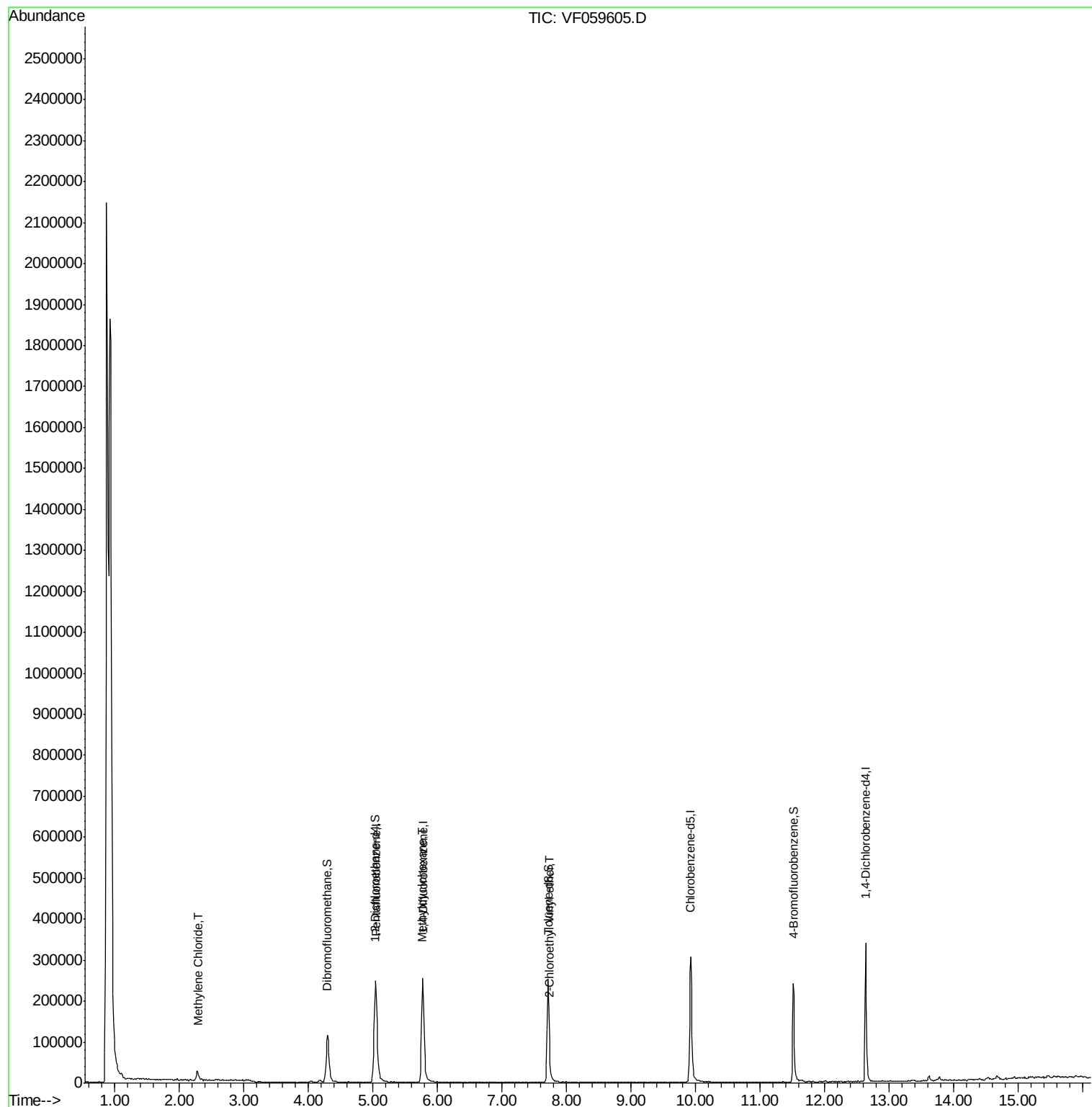
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.65	59	197	Below Cal	#	74
13) Acrolein	2.25	56	99	Below Cal		93
16) Acetone	2.35	43	1341	Below Cal	#	64
18) Methyl Acetate	2.45	43	767	Below Cal	#	67
20) Methylene Chloride	2.27	84	9715	3.471	ug/l #	73
29) Tetrahydrofuran	4.27	42	169	Below Cal	#	38
37) Ethyl Acetate	4.33	43	75	Below Cal	#	22
39) Methylcyclohexane	5.75	83	4162	2.057	ug/l #	33
49) 1,4-Dioxane	6.53	88	83	Below Cal	#	15
58) 2-Chloroethyl Vinyl ether	7.75	63	216	1.357	ug/l	100

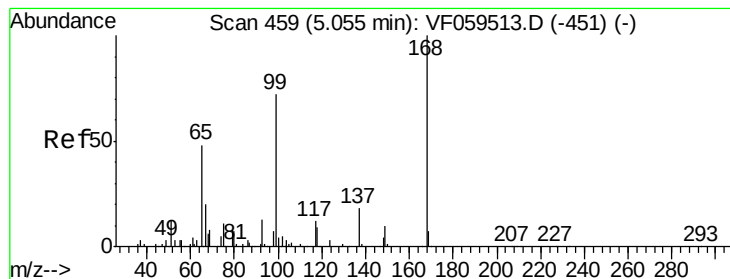
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF059605.D

Acq: 21 Jul 2018 2:28

Instrument :

MSVOA_F

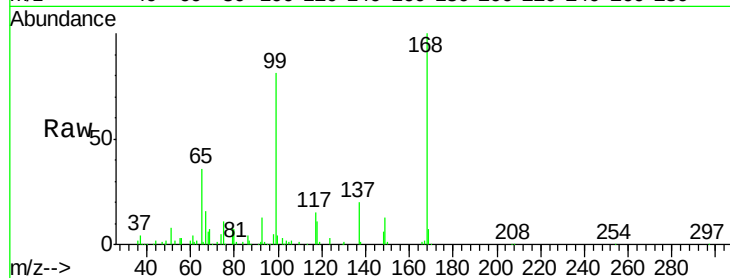
ClientSampleId :

Tot Ion:168 Resp: 178984

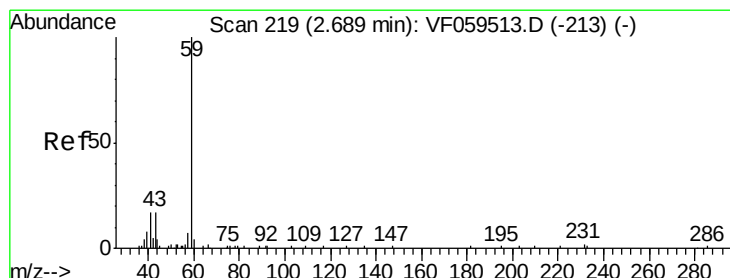
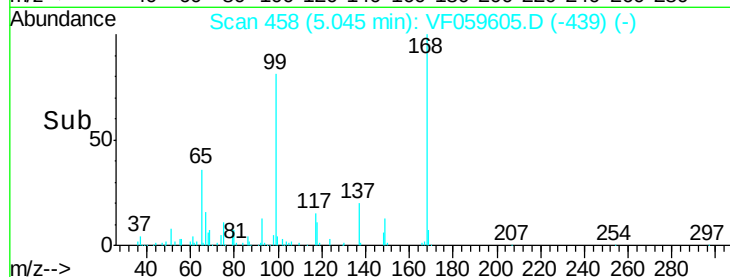
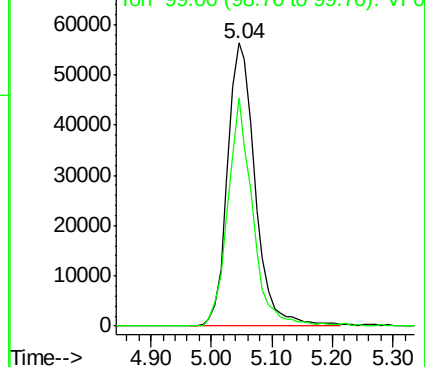
Ion Ratio Lower Upper

168 100

99 80.7 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.65 min Scan# 215

Delta R.T. -0.04 min

Lab File: VF059605.D

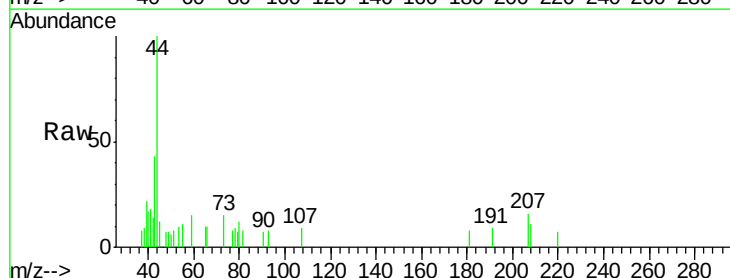
Acq: 21 Jul 2018 2:28

Tgt Ion: 59 Resp: 197

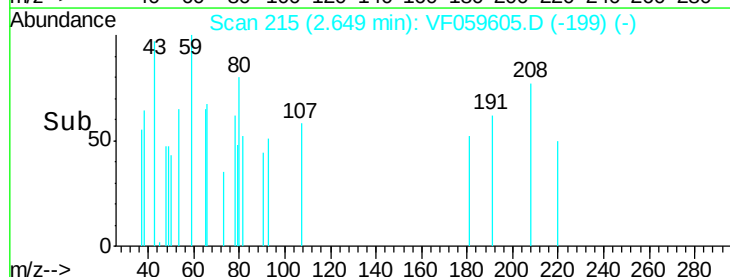
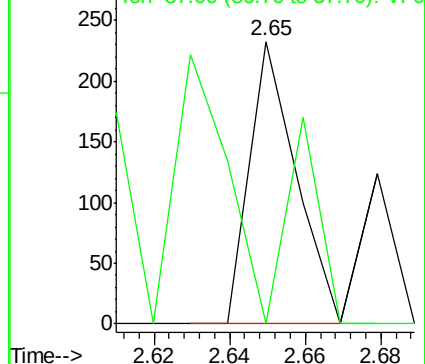
Ion Ratio Lower Upper

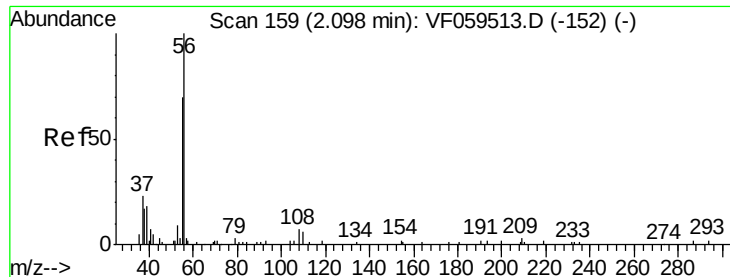
59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VF0





#13

Acrolein

Concen: Below Cal

RT: 2.25 min Scan# 174

Delta R.T. 0.15 min

Lab File: VF059605.D

Acq: 21 Jul 2018 2:28

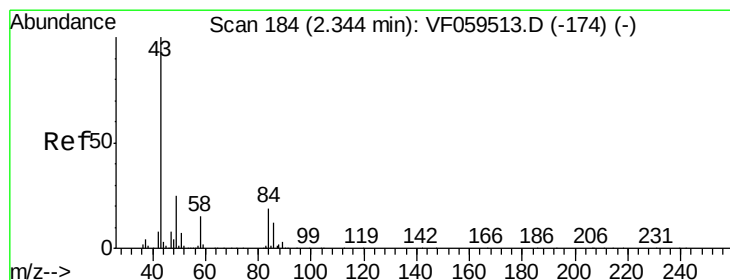
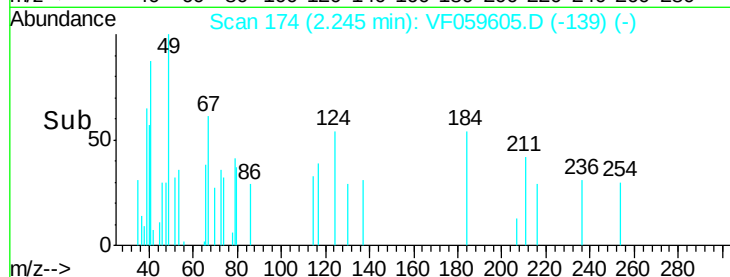
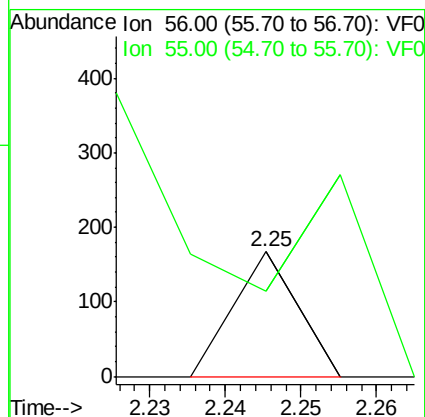
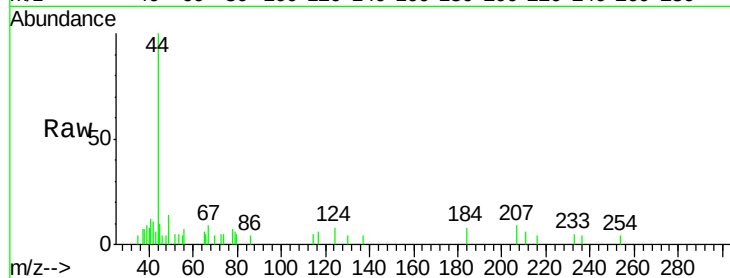
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 99

Ion Ratio Lower Upper

56 100

55 68.3 59.4 89.2



#16

Acetone

Concen: Below Cal

RT: 2.35 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF059605.D

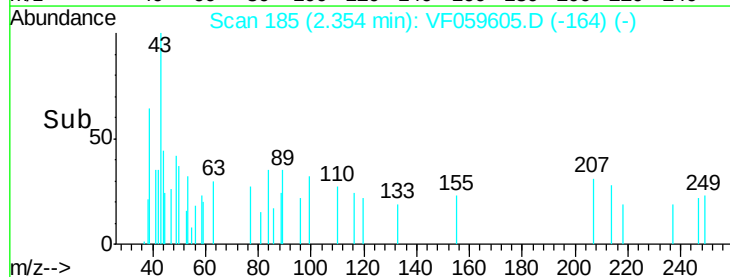
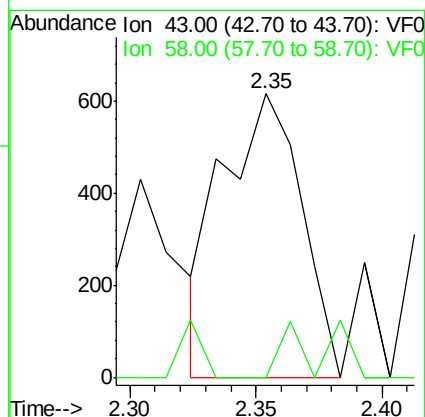
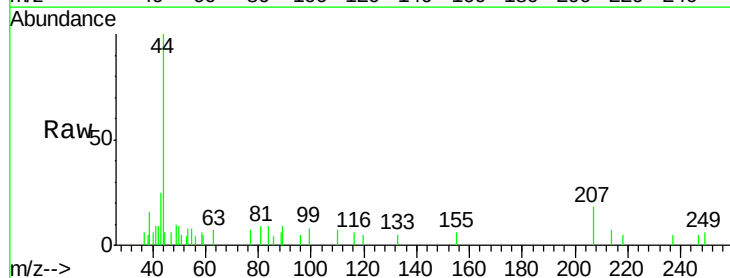
Acq: 21 Jul 2018 2:28

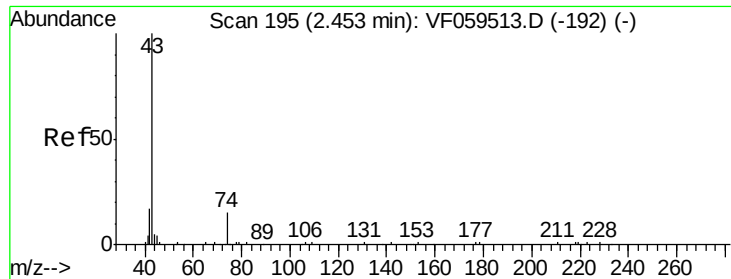
Tgt Ion: 43 Resp: 1341

Ion Ratio Lower Upper

43 100

58 0.0 11.8 17.6#

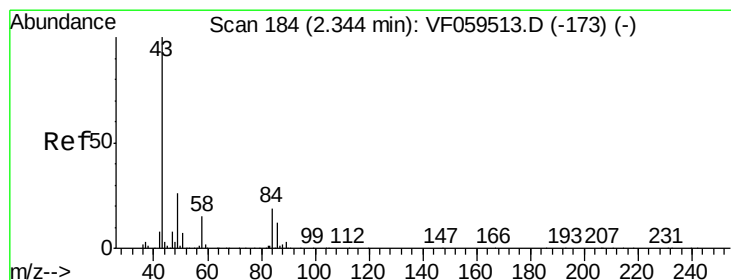
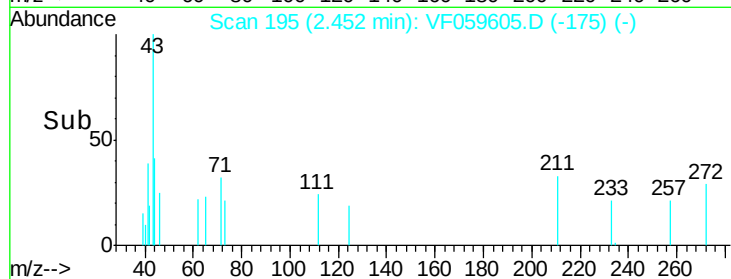
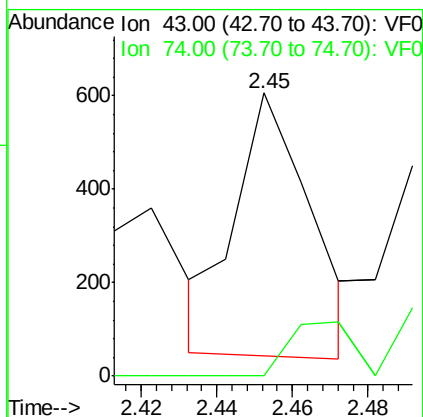
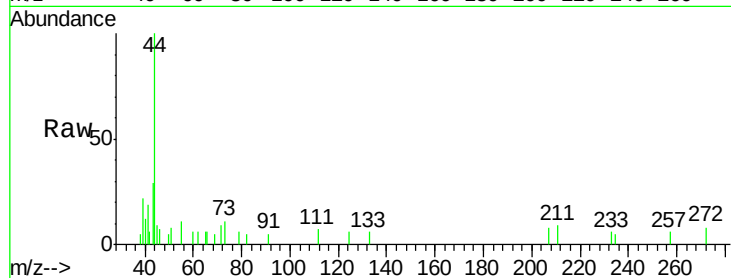




#18
Methyl Acetate
Concen: Below Cal
RT: 2.45 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF059605.D
Acq: 21 Jul 2018 2:28

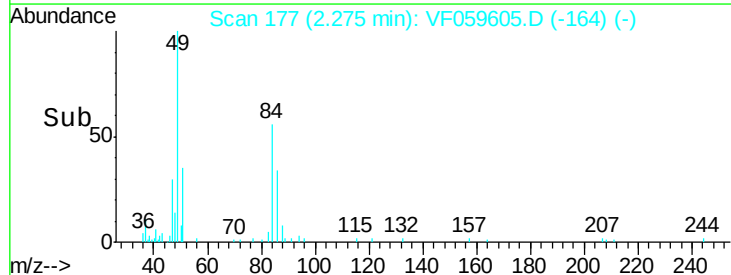
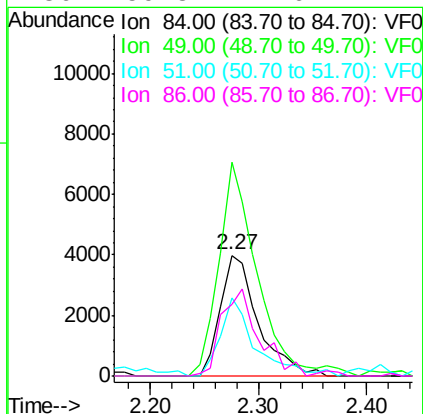
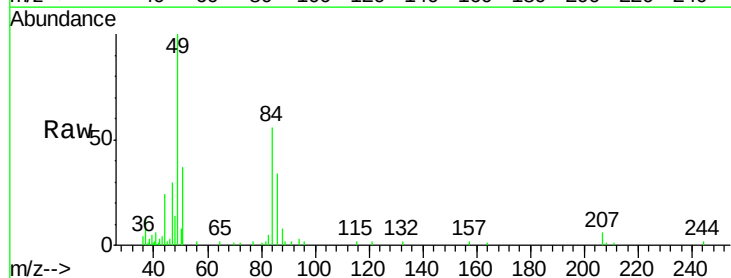
Instrument :
MSVOA_F
ClientSampleId :

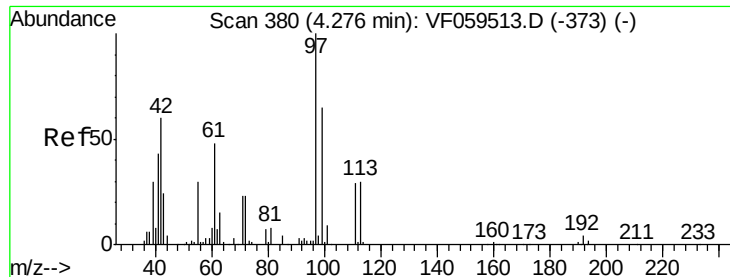
Tot Ion: 43 Resp: 767
Ion Ratio Lower Upper
43 100
74 0.0 10.6 15.8#



#20
Methylene Chloride
Concen: 3.471 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.07 min
Lab File: VF059605.D
Acq: 21 Jul 2018 2:28

Tgt Ion: 84 Resp: 9715
Ion Ratio Lower Upper
84 100
49 177.5 109.4 164.2#
51 64.9 30.5 45.7#
86 59.8 47.6 71.4

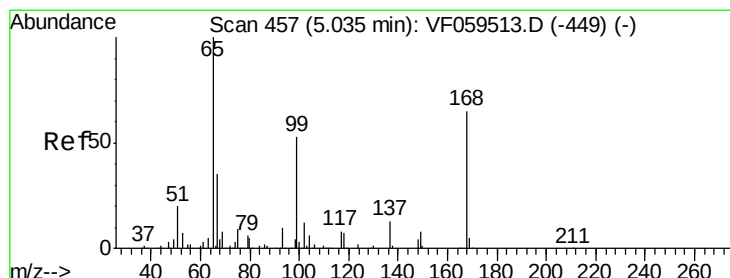
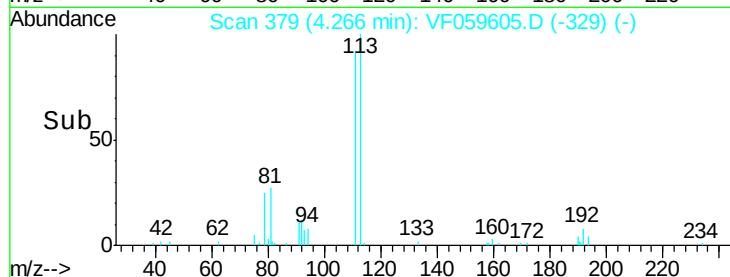
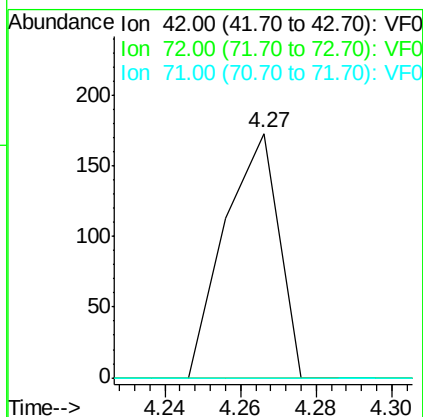
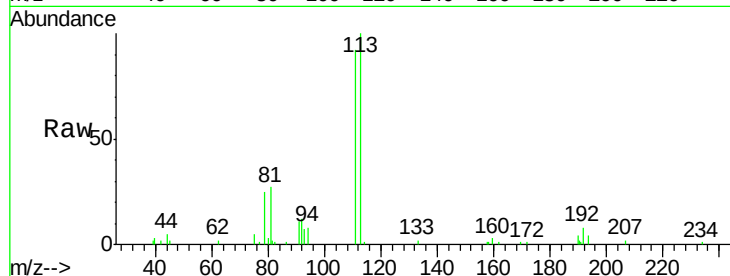




#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059605.D
Acq: 21 Jul 2018 2:28

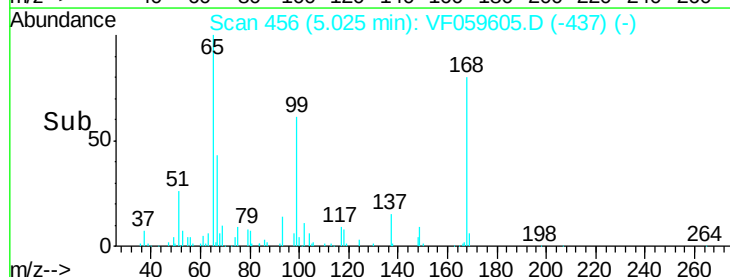
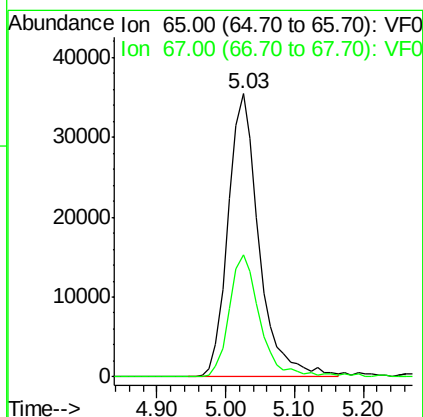
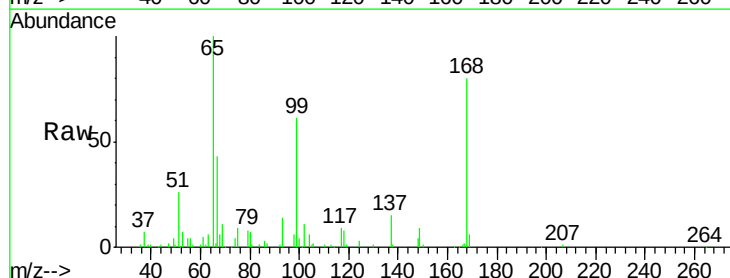
Instrument :
MSVOA_F
ClientSampleId :

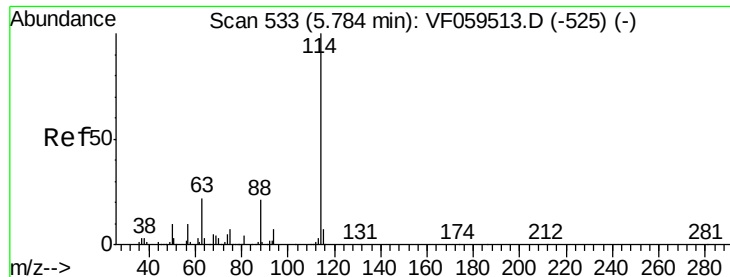
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.7	43.1#
71	0.0	30.8	46.2#



#33
1,2-Dichloroethane-d4
Concen: 39.737 ug/l
RT: 5.03 min Scan# 456
Delta R.T. -0.01 min
Lab File: VF059605.D
Acq: 21 Jul 2018 2:28

Tgt Ion	Ratio	Lower	Upper
65	100		
67	43.3	0.0	91.2

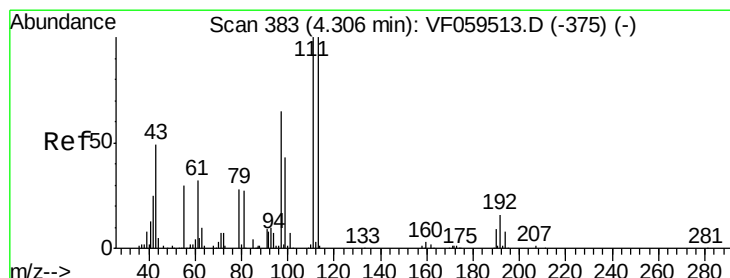
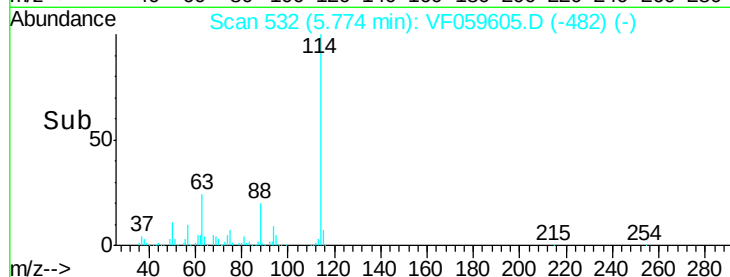
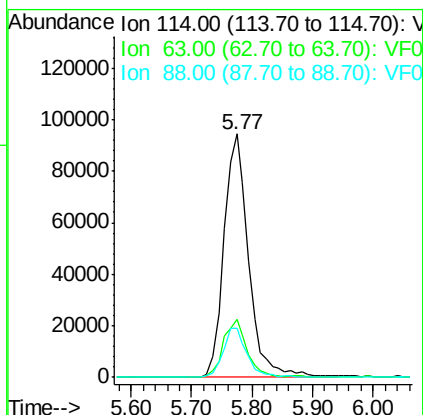
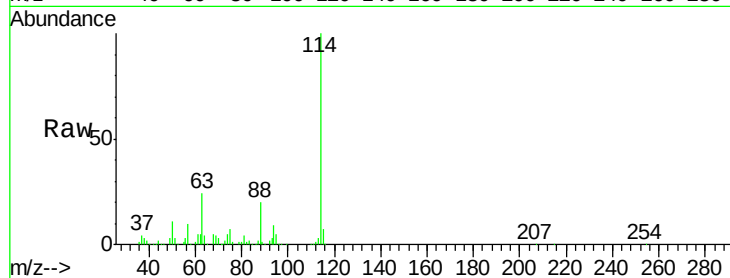




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VF059605.D
 Acq: 21 Jul 2018 2:28

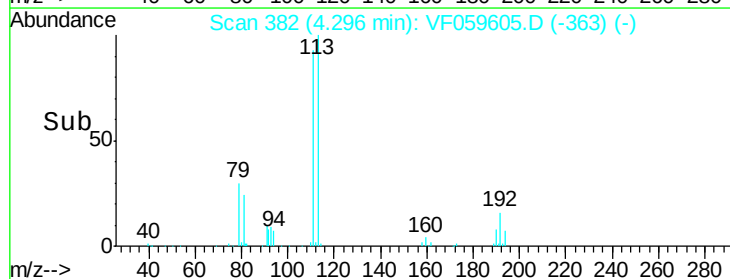
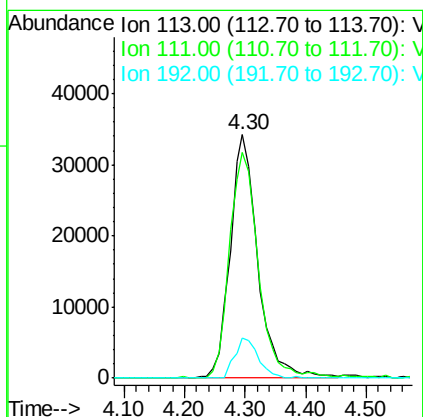
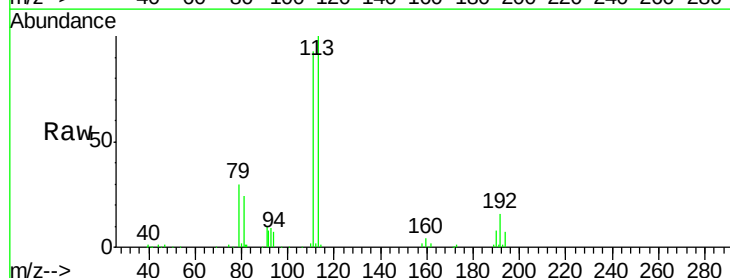
Instrument :
 MSVOA_F
 ClientSampleId :

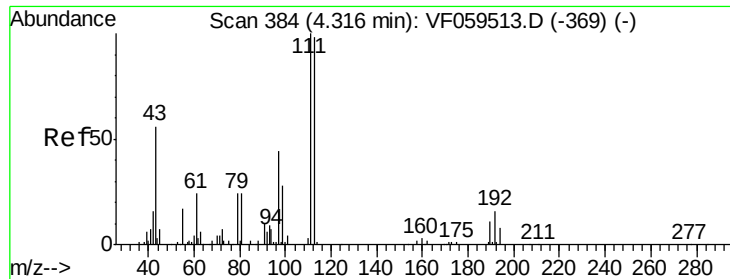
Tot Ion:114 Resp: 266369
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 44.8
 88 19.9 0.0 42.6



#35
 Dibromofluoromethane
 Concen: 47.015 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VF059605.D
 Acq: 21 Jul 2018 2:28

Tgt Ion:113 Resp: 108462
 Ion Ratio Lower Upper
 113 100
 111 92.8 80.3 120.5
 192 16.3 13.1 19.7





#37

Ethyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 385

Delta R.T. 0.01 min

Lab File: VF059605.D

Acq: 21 Jul 2018 2:28

Instrument :

MSVOA_F

ClientSampleId :

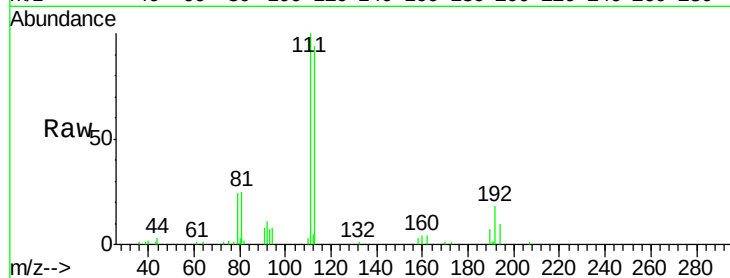
Tot Ion: 43 Resp: 75

Ion Ratio Lower Upper

43 100

61 98.4 33.7 50.5#

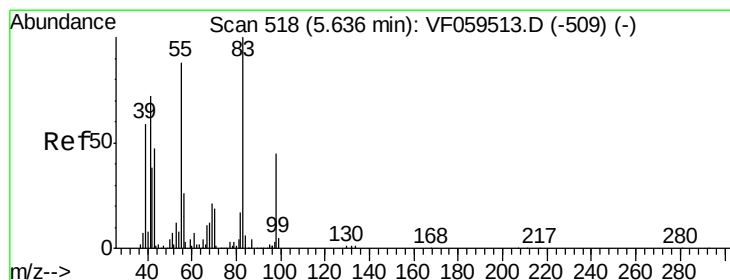
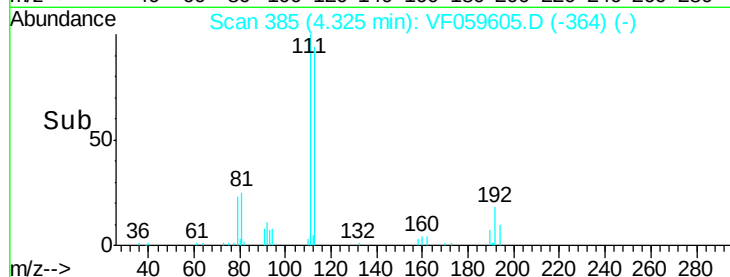
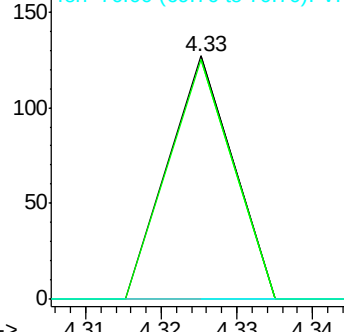
70 0.0 7.4 11.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#39

Methylcyclohexane

Concen: 2.057 ug/l

RT: 5.75 min Scan# 530

Delta R.T. 0.12 min

Lab File: VF059605.D

Acq: 21 Jul 2018 2:28

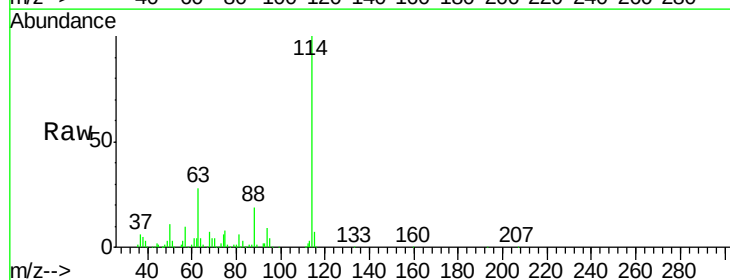
Tgt Ion: 83 Resp: 4162

Ion Ratio Lower Upper

83 100

55 26.5 70.2 105.4#

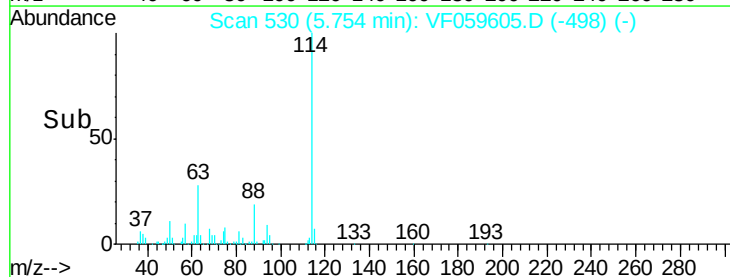
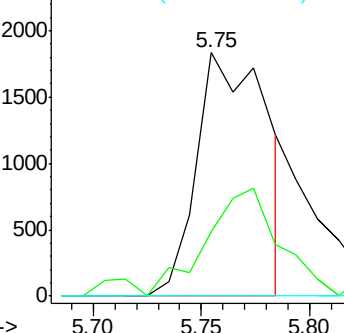
98 0.0 36.2 54.2#

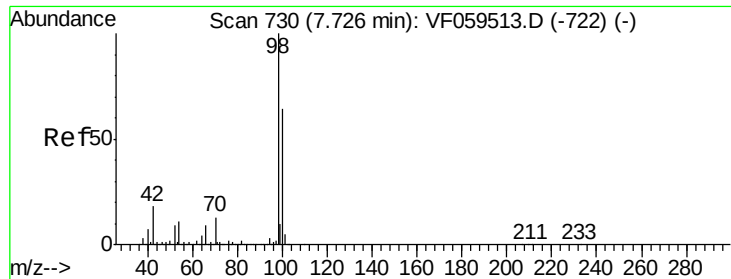


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

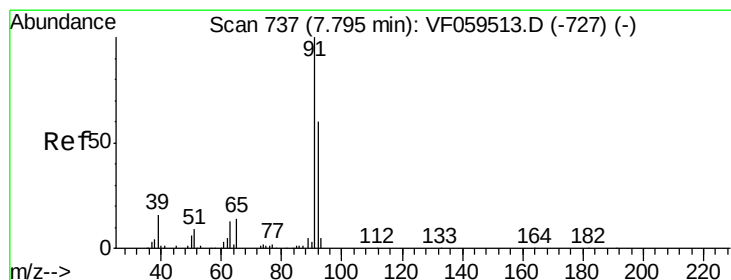
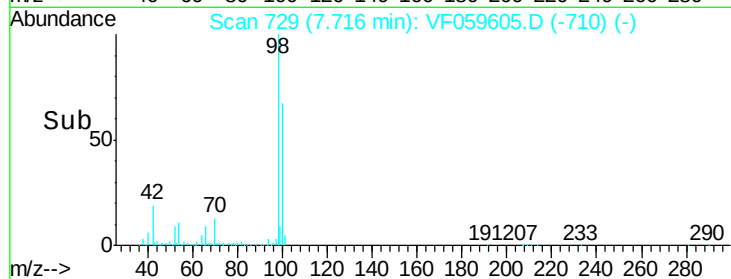
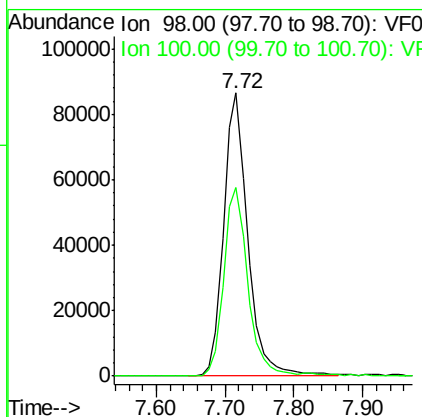
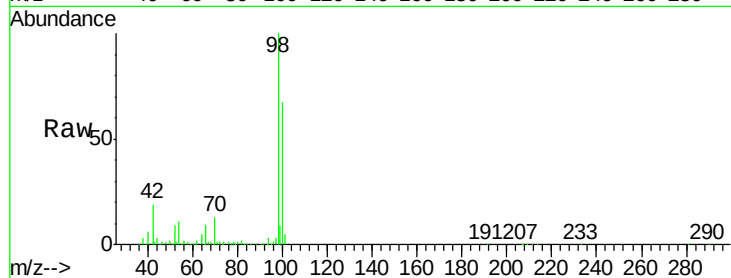




#50
Toluene-d8
Concen: 36.215 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.01 min
Lab File: VF059605.D
Acq: 21 Jul 2018 2:28

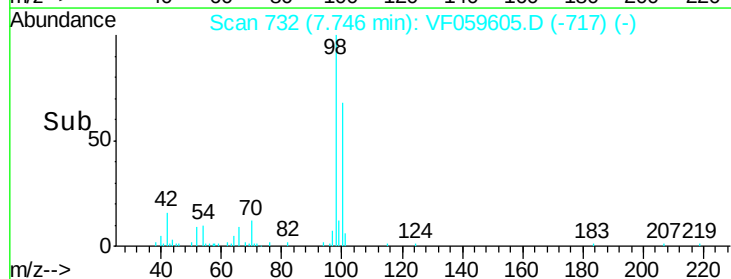
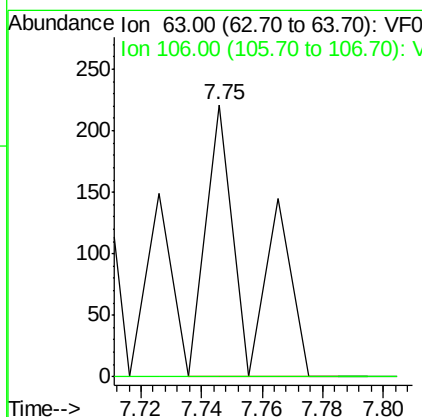
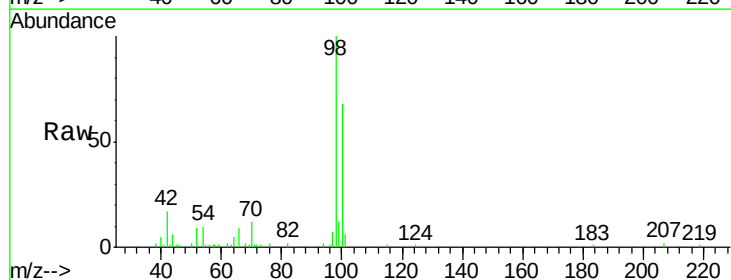
Instrument :
MSVOA_F
ClientSampleId :

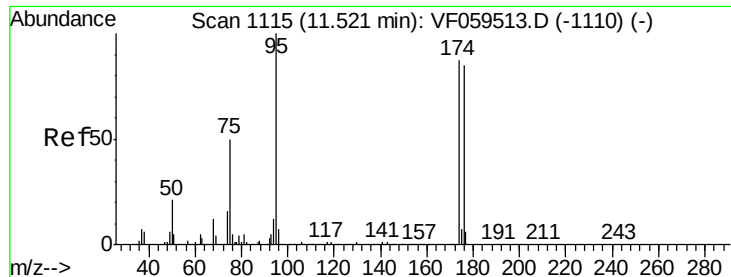
Tot Ion: 98 Resp: 210448
Ion Ratio Lower Upper
98 100
100 66.7 50.9 76.3



#58
2-Chloroethyl Vinyl ether
Concen: 1.357 ug/l
RT: 7.75 min Scan# 732
Delta R.T. -0.05 min
Lab File: VF059605.D
Acq: 21 Jul 2018 2:28

Tgt Ion: 63 Resp: 216
Ion Ratio Lower Upper
63 100
106 0.0 0.0 0.0





#62

4-Bromofluorobenzene

Concen: 28.504 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF059605.D

Acq: 21 Jul 2018 2:28

Instrument :

MSVOA_F

ClientSampleId :

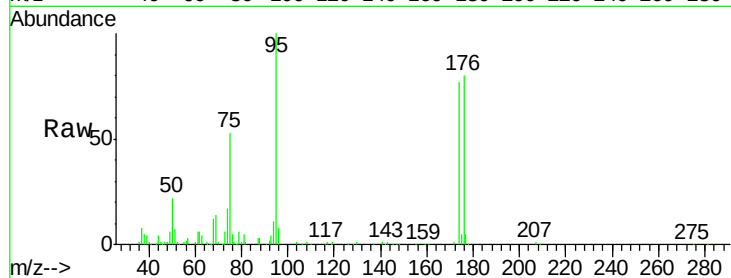
Tot Ion: 95 Resp: 86894

Ion Ratio Lower Upper

95 100

174 76.9 0.0 174.4

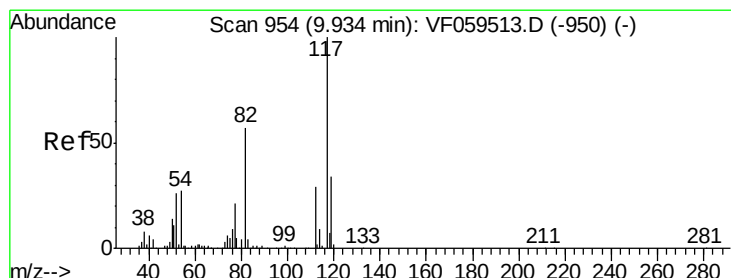
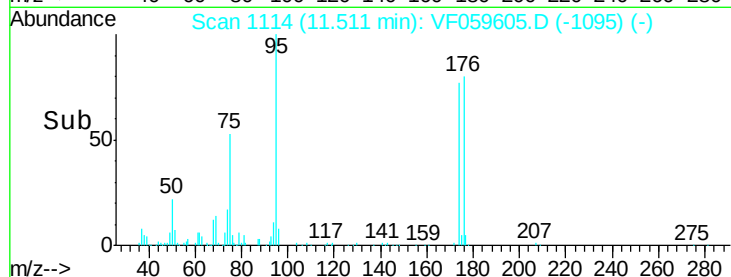
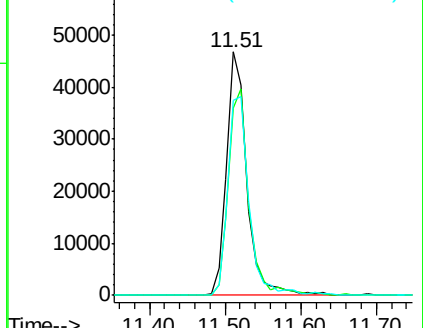
176 79.9 0.0 169.4



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: 9.92 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF059605.D

Acq: 21 Jul 2018 2:28

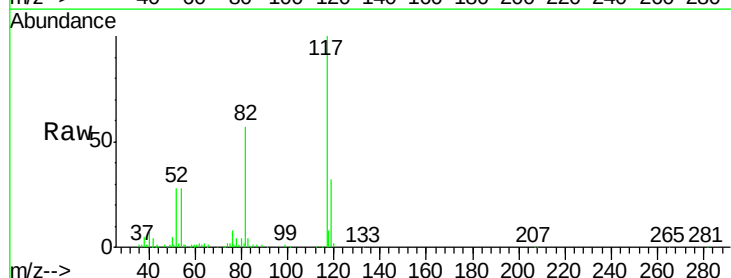
Tgt Ion: 117 Resp: 219200

Ion Ratio Lower Upper

117 100

82 57.4 46.1 69.1

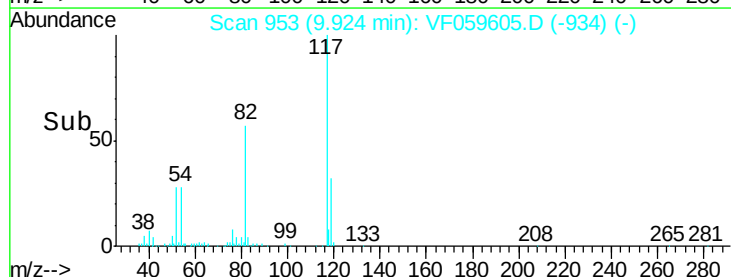
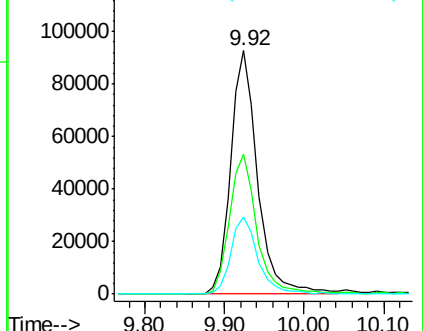
119 31.8 27.2 40.8

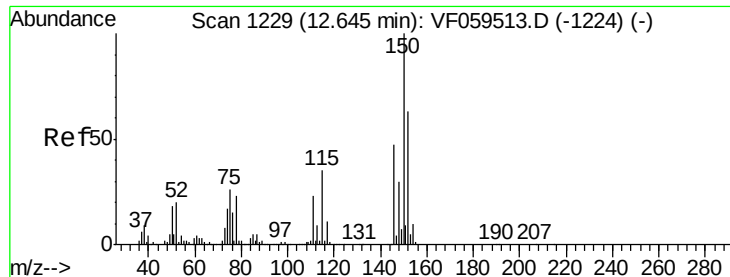


Abundance Ion 117.00 (116.70 to 117.70): V

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: 12.63 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF059605.D

Acq: 21 Jul 2018 2:28

Instrument :

MSVOA_F

ClientSampleId :

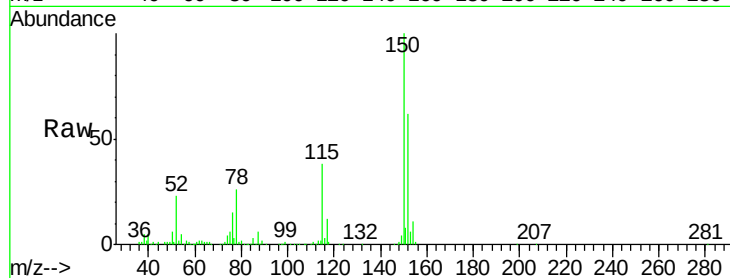
Tot Ion:152 Resp: 87216

Ion Ratio Lower Upper

152 100

115 61.6 27.8 83.3

150 161.3 0.0 318.4



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

