

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080818\
 Data File : VF059933.D
 Acq On : 8 Aug 2018 16:05
 Operator : VA/AP
 Sample : J4275-03
 Misc : 5.44g/5mL/MSVOA F/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-02-080718-B

Quant Time: Aug 09 05:22:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	1751	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	2076	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	1354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	419	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.08	65	60	1.90	ug/l	0.05
Spiked Amount				50.000		
			Recovery	=	3.80%	
35) Dibromofluoromethane	4.30	113	699	33.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	67.68%	
50) Toluene-d8	7.72	98	1183	26.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	53.84%	
62) 4-Bromofluorobenzene	11.52	95	256	10.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	20.74%	

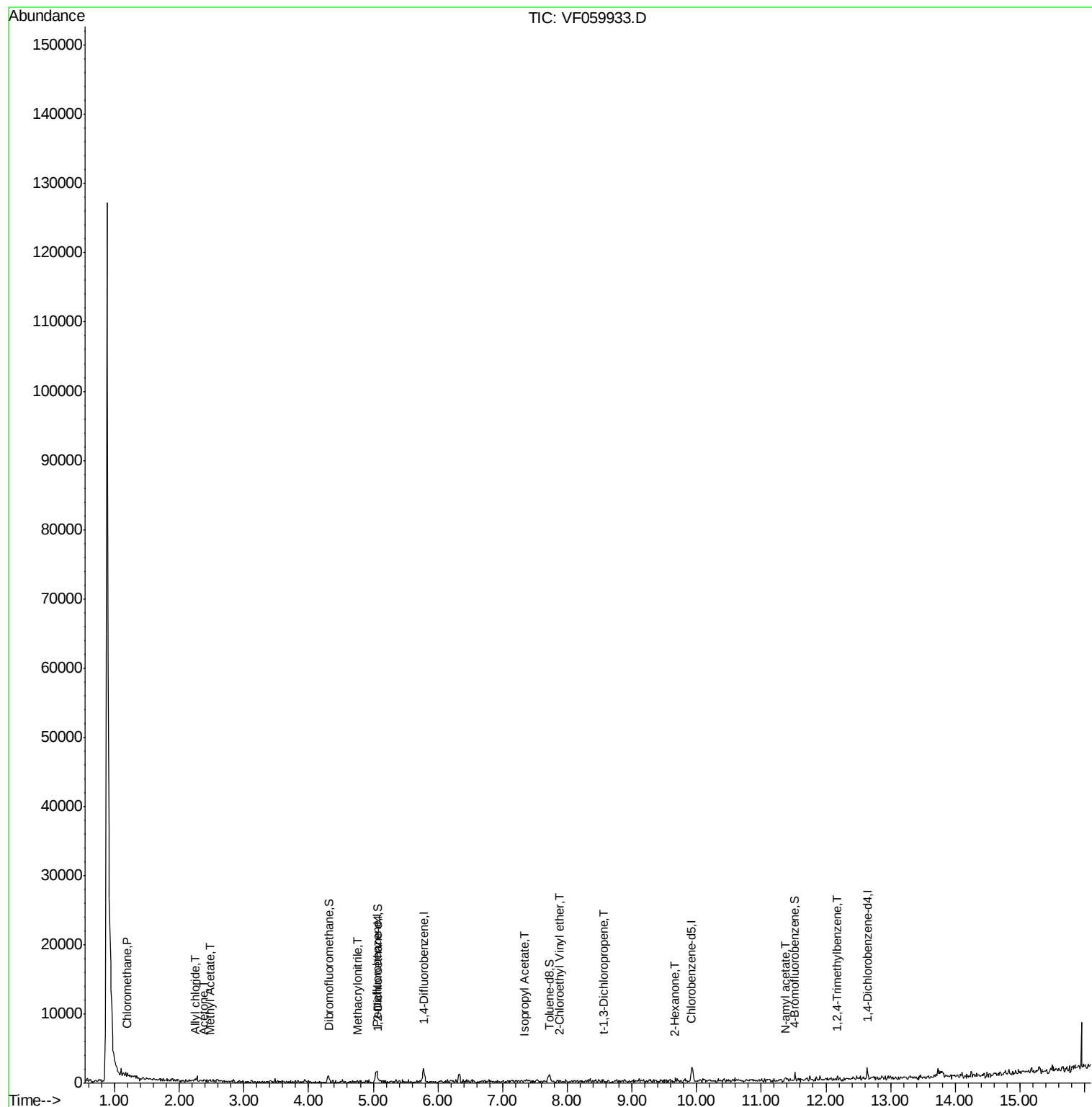
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.19	50	66	4.77	ug/l #	42
14) Allyl chloride	2.24	41	60	2.30	ug/l #	62
16) Acetone	2.37	43	70	12.01	ug/l #	70
18) Methyl Acetate	2.47	43	100	10.17	ug/l #	56
41) Methacrylonitrile	4.76	41	79	14.52	ug/l #	25
43) Isopropyl Acetate	7.34	43	66	6.22	ug/l #	51
53) t-1,3-Dichloropropene	8.56	75	68	2.94	ug/l #	44
58) 2-Chloroethyl Vinyl ether	7.88	63	71	49.16	ug/l	100
59) 2-Hexanone	9.65	43	117	15.26	ug/l #	34
74) N-amyl acetate	11.37	43	71	13.30	ug/l #	48
84) 1,2,4-Trimethylbenzene	12.19	105	73	2.93	ug/l #	34

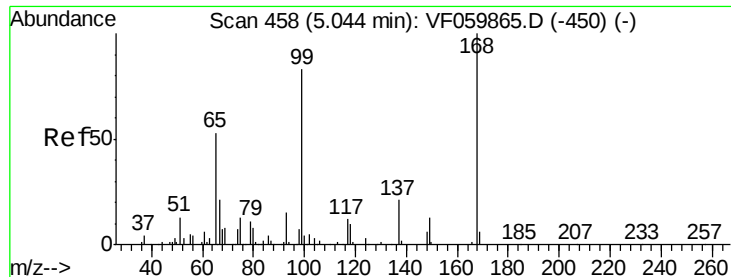
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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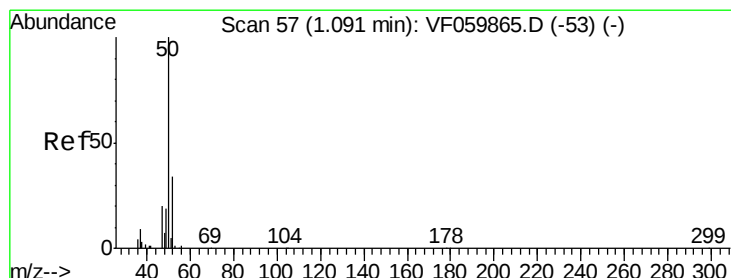
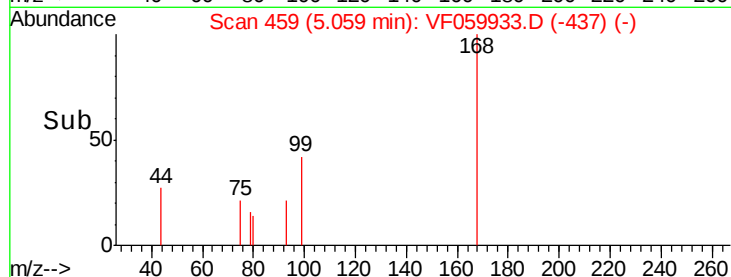
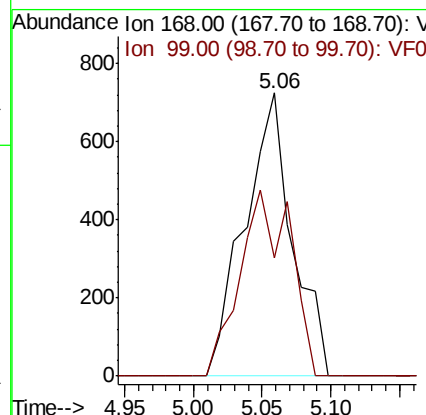
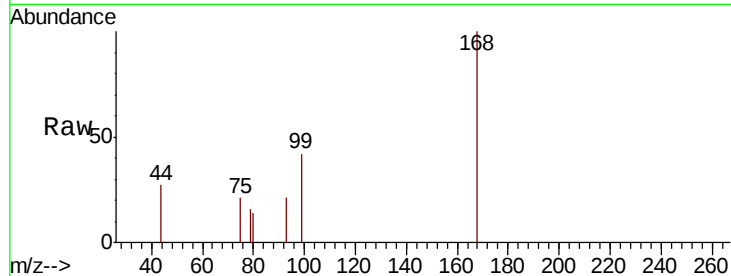




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.06 min Scan# 459
Delta R.T. 0.02 min
Lab File: VF059933.D
Acq: 8 Aug 2018 16:05

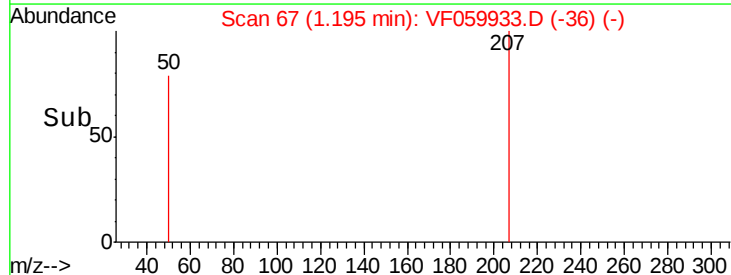
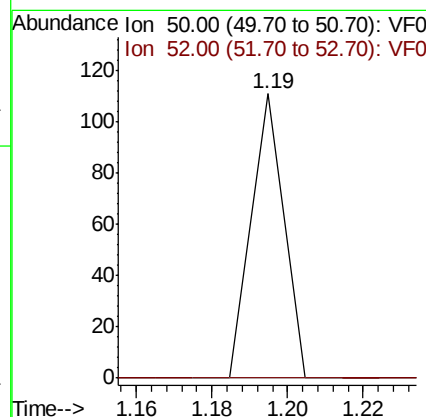
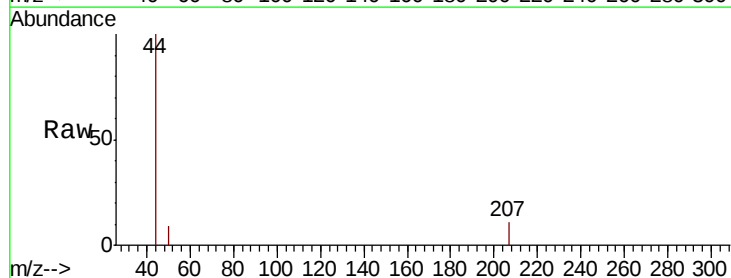
Instrument :
MSVOA_F
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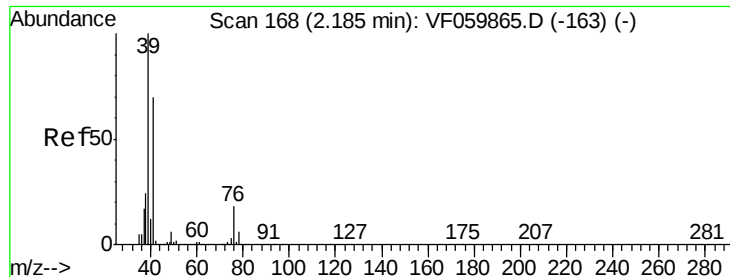
Tot Ion:168 Resp: 1751
Ion Ratio Lower Upper
168 100
99 42.0 66.3 99.5#



#3
Chloromethane
Concen: 4.77 ug/l
RT: 1.19 min Scan# 67
Delta R.T. 0.10 min
Lab File: VF059933.D
Acq: 8 Aug 2018 16:05

Tgt Ion: 50 Resp: 66
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

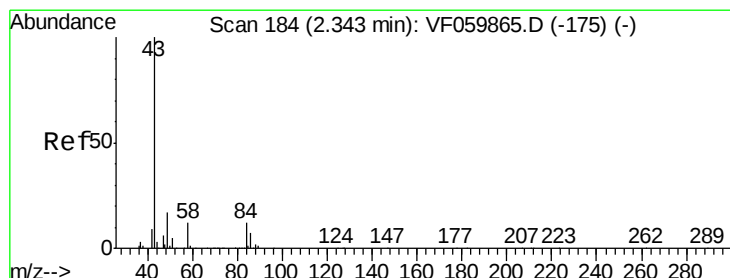
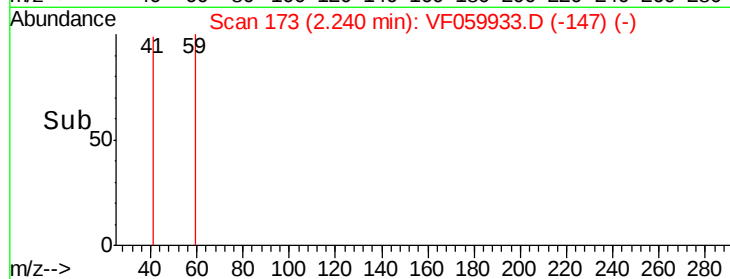
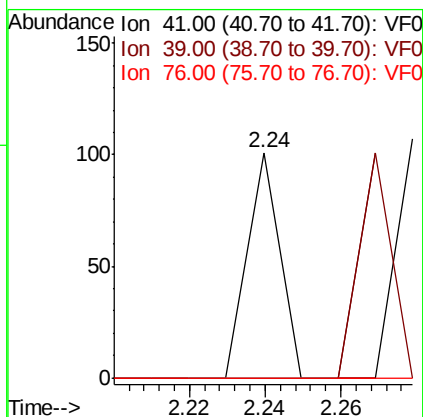
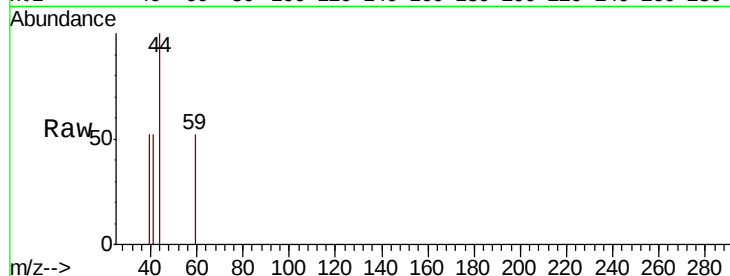




#14
Allvl chloride
Concen: 2.30 ug/l
RT: 2.24 min Scan# 173
Delta R.T. 0.05 min
Lab File: VF059933.D
Acq: 8 Aug 2018 16:05

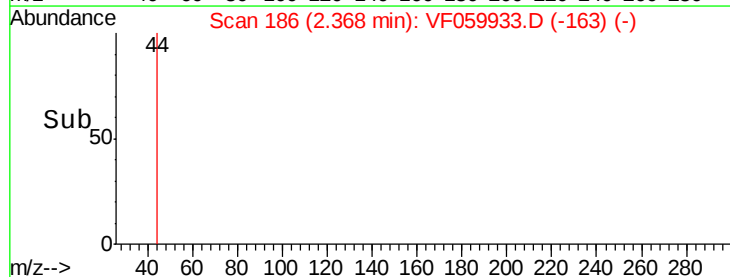
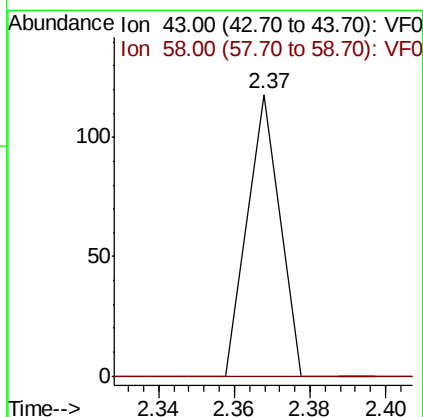
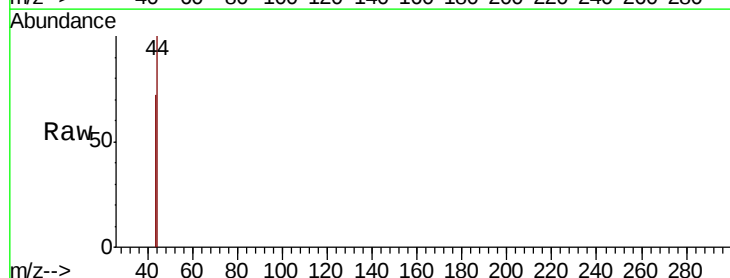
Instrument :
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ClientSampleId :
CL-02-080718-B

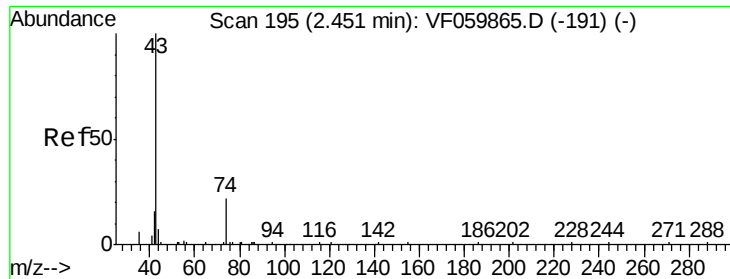
Tot Ion	Ratio	Lower	Upper
41	100		
39	100.0	114.6	171.8#
76	0.0	21.0	31.4#



#16
Acetone
Concen: 12.01 ug/l
RT: 2.37 min Scan# 186
Delta R.T. 0.02 min
Lab File: VF059933.D
Acq: 8 Aug 2018 16:05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	9.4	14.0#

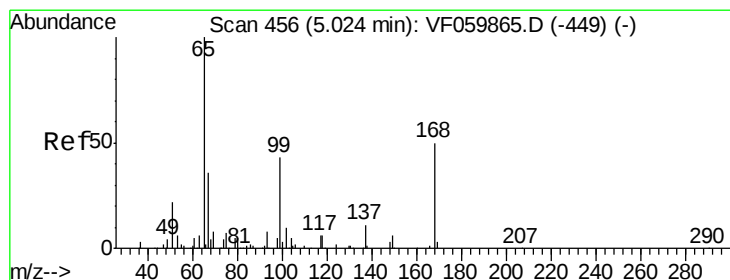
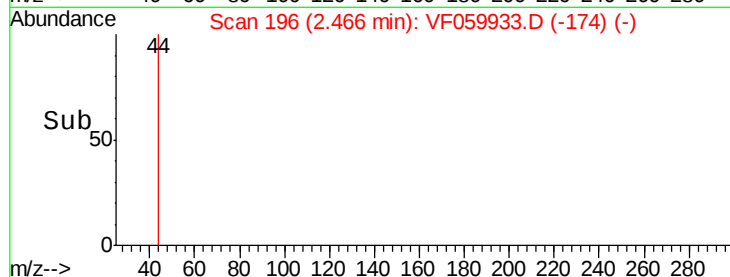
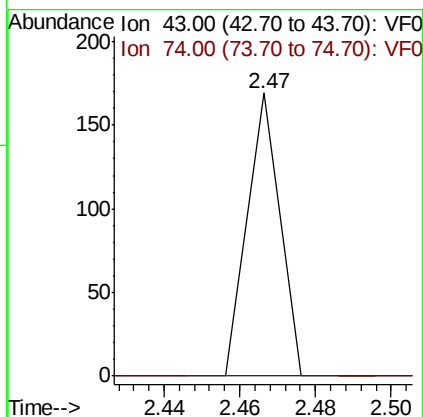
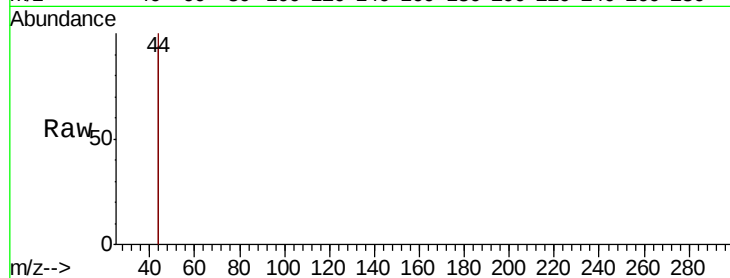




#18
Methvl Acetate
Concen: 10.17 ug/l
RT: 2.47 min Scan# 196
Delta R.T. 0.02 min
Lab File: VF059933.D
Acq: 8 Aug 2018 16:05

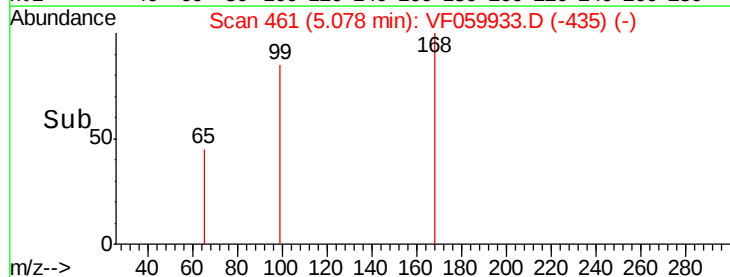
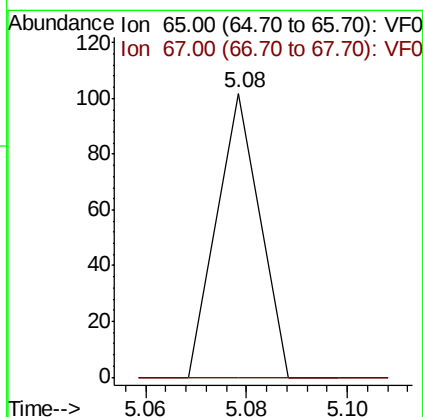
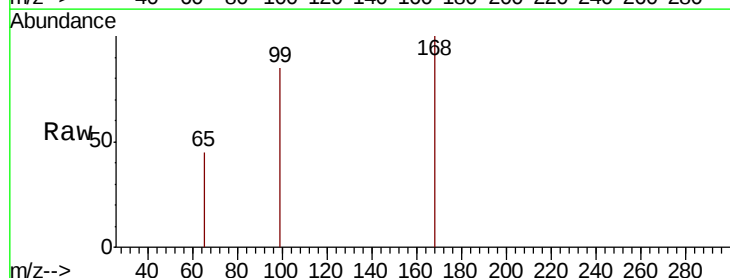
Instrument :
MSVOA_F
ClientSampleId :
CL-02-080718-B

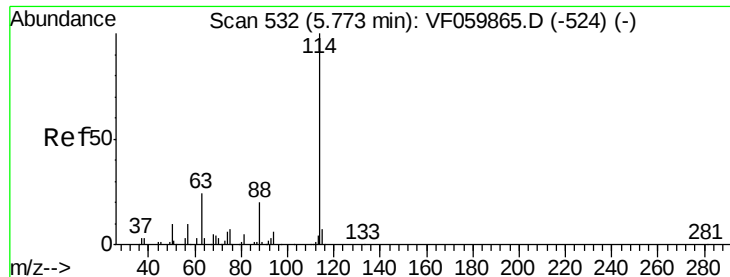
Tot Ion: 43 Resp: 100
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#33
1,2-Dichloroethane-d4
Concen: 1.90 ug/l
RT: 5.08 min Scan# 461
Delta R.T. 0.05 min
Lab File: VF059933.D
Acq: 8 Aug 2018 16:05

Tgt Ion: 65 Resp: 60
Ion Ratio Lower Upper
65 100
67 0.0 0.0 77.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.02 min

Lab File: VF059933.D

Acq: 8 Aug 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

CL-02-080718-B

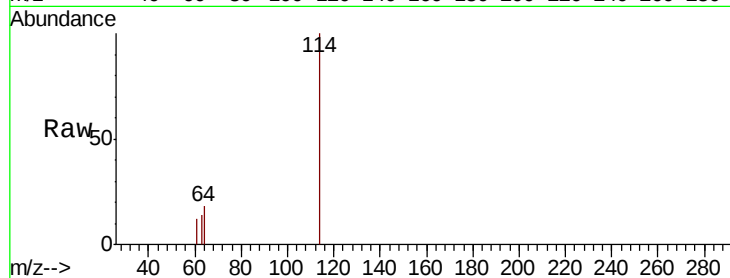
Tot Ion:114 Resp: 2076

Ion Ratio Lower Upper

114 100

63 13.8 0.0 48.0

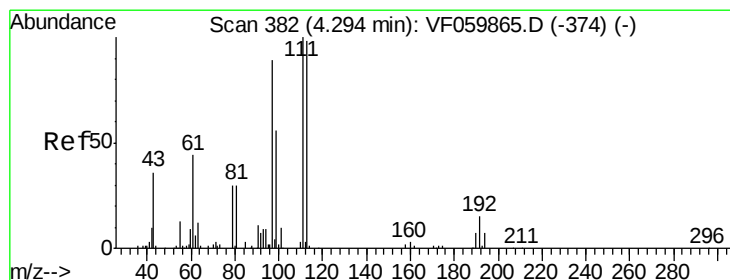
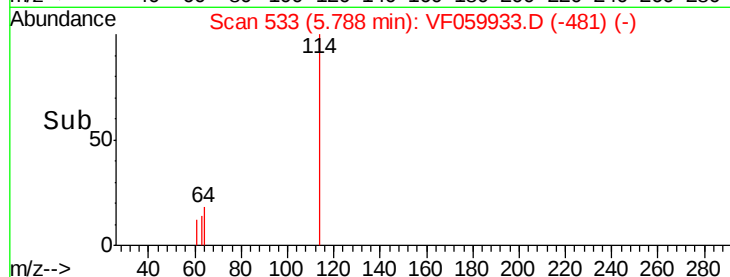
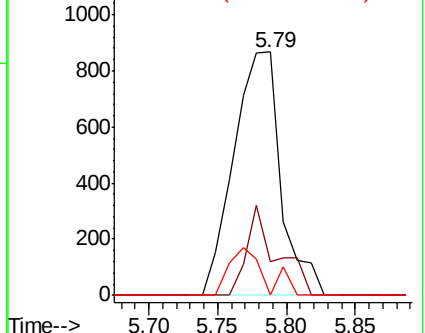
88 0.0 0.0 39.4



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: 33.84 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF059933.D

Acq: 8 Aug 2018 16:05

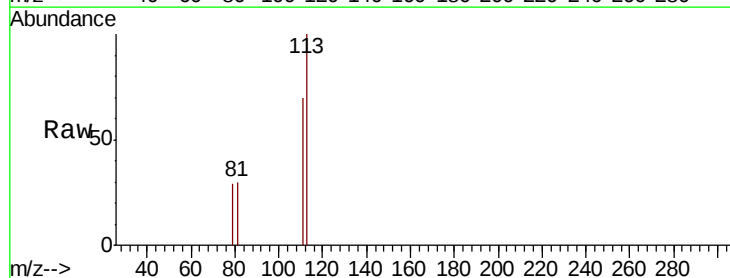
Tgt Ion:113 Resp: 699

Ion Ratio Lower Upper

113 100

111 70.5 81.8 122.8#

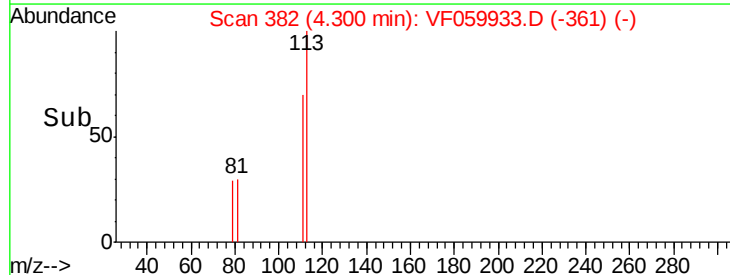
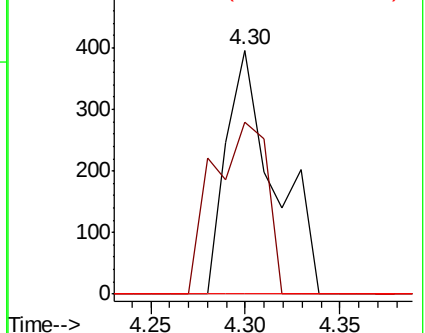
192 0.0 12.4 18.6#

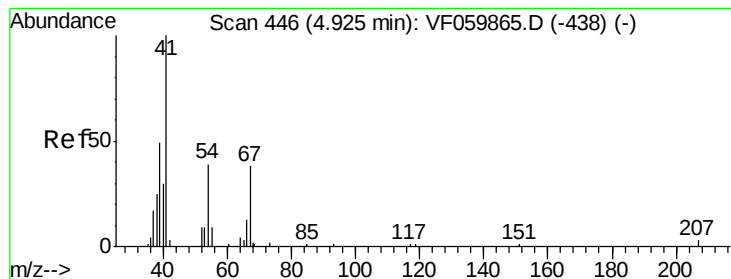


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#41

Methacrylonitrile

Concen: 14.52 ug/l

RT: 4.76 min Scan# 429

Delta R.T. -0.16 min

Lab File: VF059933.D

Acq: 8 Aug 2018 16:05

Instrument :

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ClientSampleId :

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Tot Ion: 41 Resp: 79

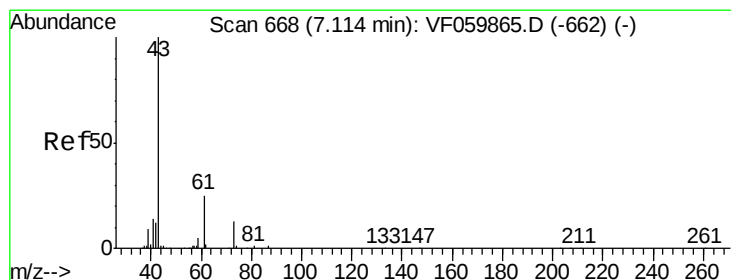
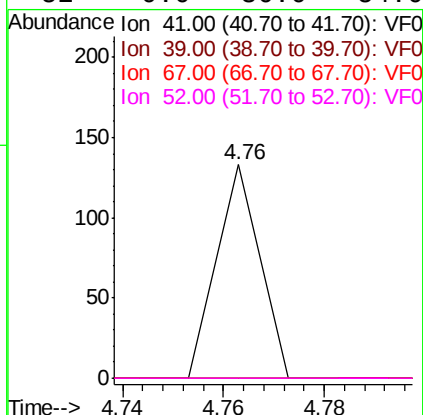
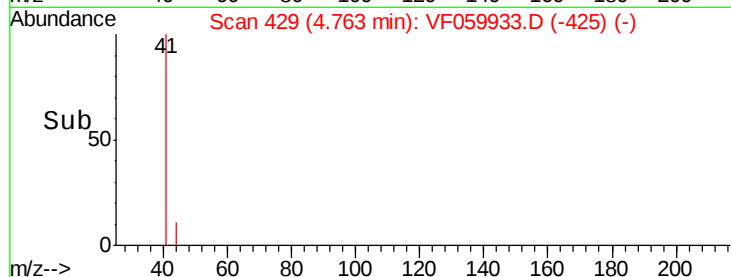
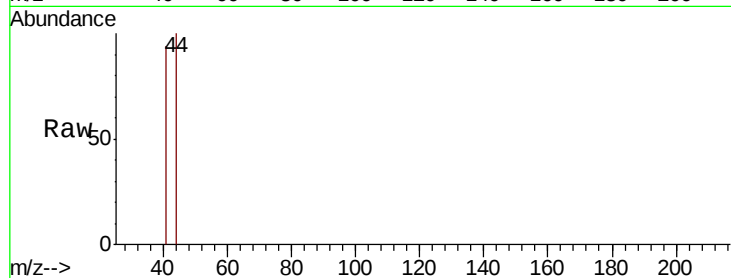
Ion Ratio Lower Upper

41 100

39 0.0 55.1 82.7#

67 0.0 30.3 45.5#

52 0.0 36.0 54.0#



#43

Isopropyl Acetate

Concen: 6.22 ug/l

RT: 7.34 min Scan# 690

Delta R.T. 0.22 min

Lab File: VF059933.D

Acq: 8 Aug 2018 16:05

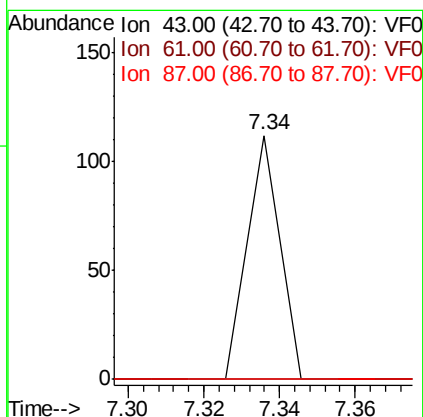
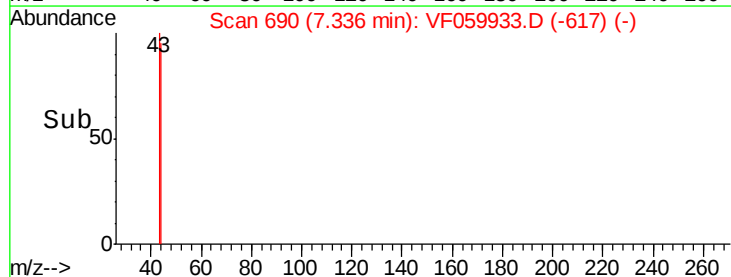
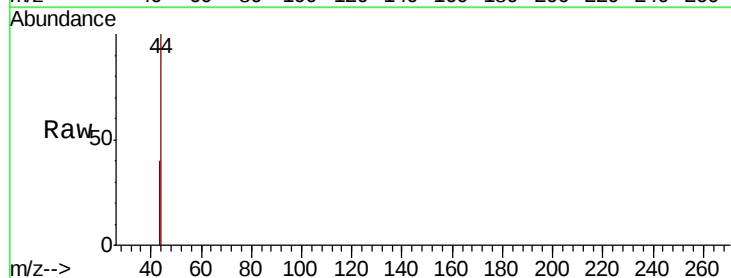
Tgt Ion: 43 Resp: 66

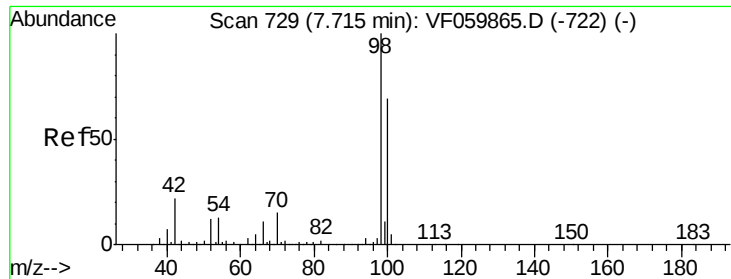
Ion Ratio Lower Upper

43 100

61 0.0 20.3 30.5#

87 0.0 0.7 1.1#





#50

Toluene-d8

Concen: 26.92 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.01 min

Lab File: VF059933.D

Acq: 8 Aug 2018 16:05

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ClientSampleId :

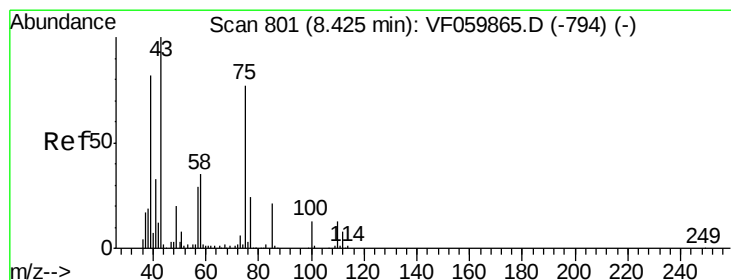
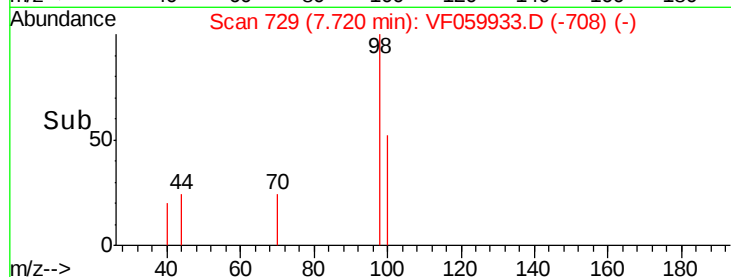
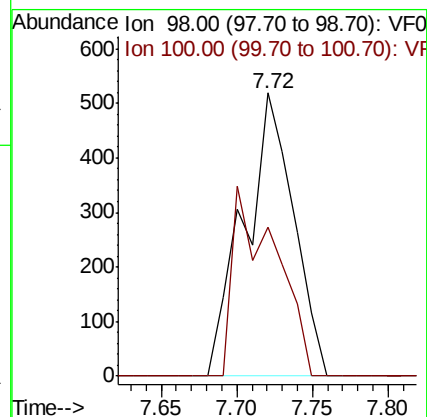
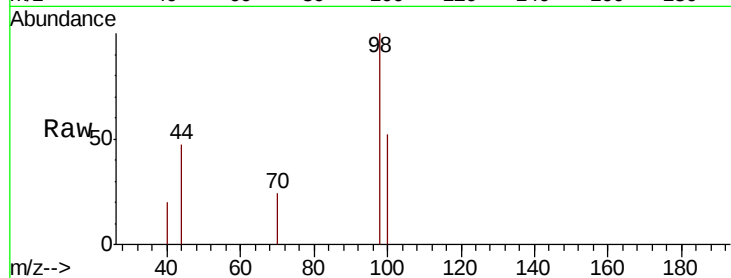
CL-02-080718-B

Tot Ion: 98 Resp: 1183

Ion Ratio Lower Upper

98 100

100 52.4 55.0 82.6#



#53

t-1,3-Dichloropropene

Concen: 2.94 ug/l

RT: 8.56 min Scan# 814

Delta R.T. 0.13 min

Lab File: VF059933.D

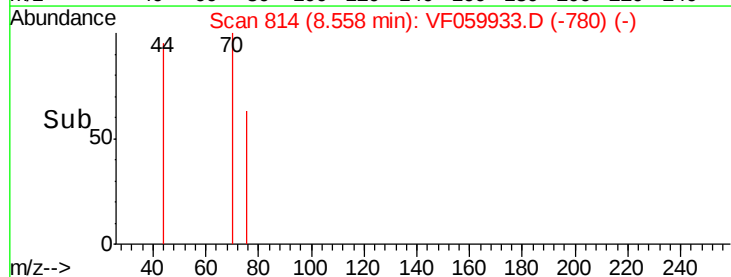
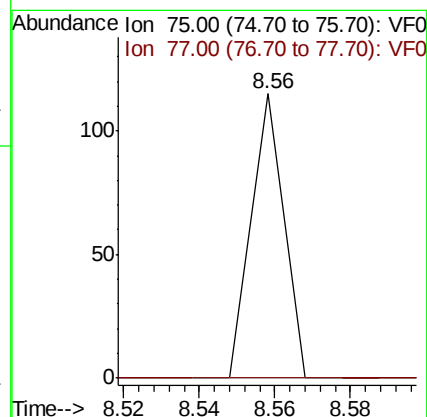
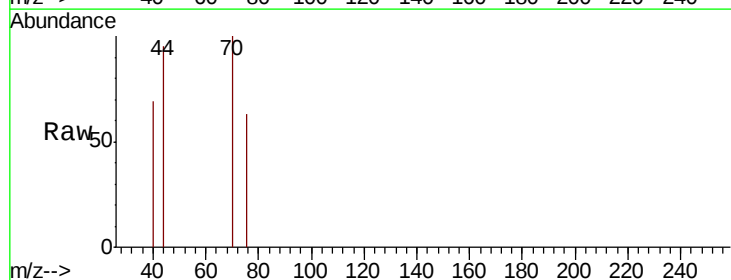
Acq: 8 Aug 2018 16:05

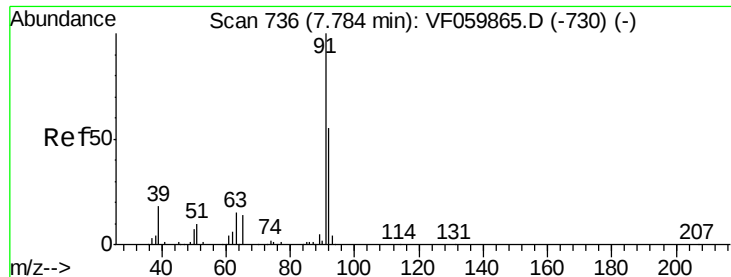
Tgt Ion: 75 Resp: 68

Ion Ratio Lower Upper

75 100

77 0.0 24.5 36.7#

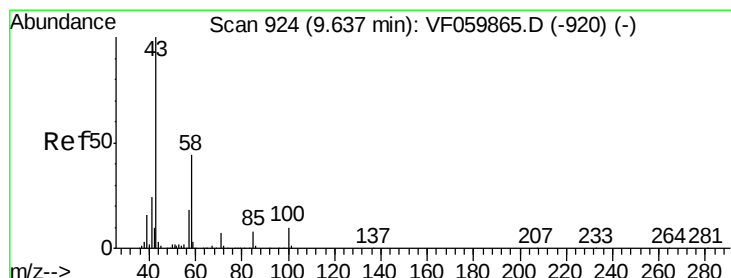
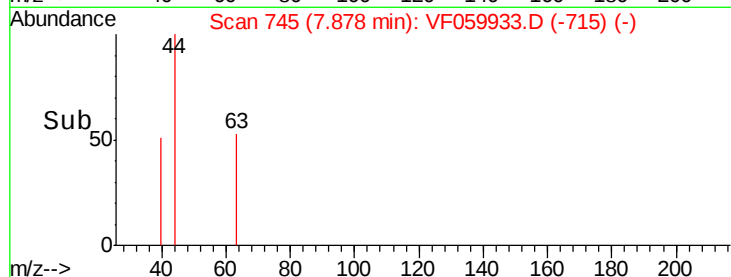
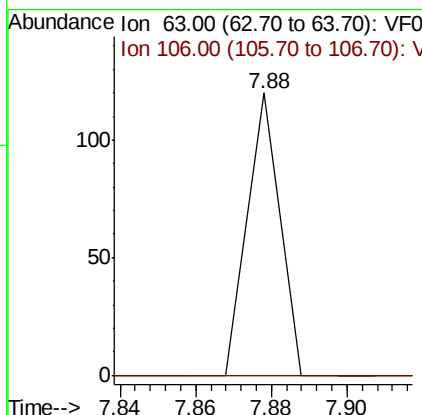
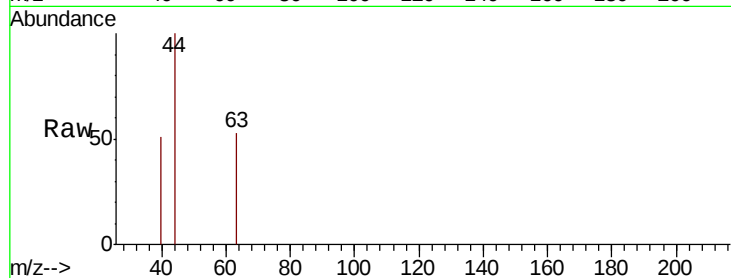




#58
 2-Chloroethyl Vinyl ether
 Concen: 49.16 ug/l
 RT: 7.88 min Scan# 745
 Delta R.T. 0.09 min
 Lab File: VF059933.D
 Acq: 8 Aug 2018 16:05

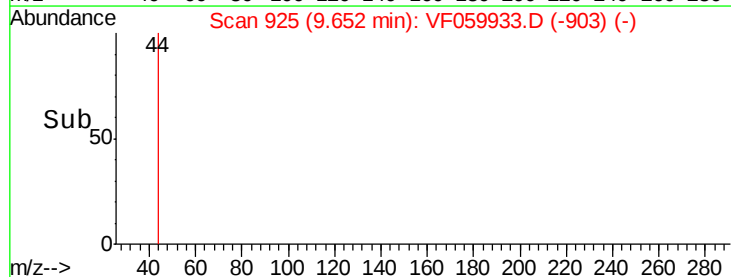
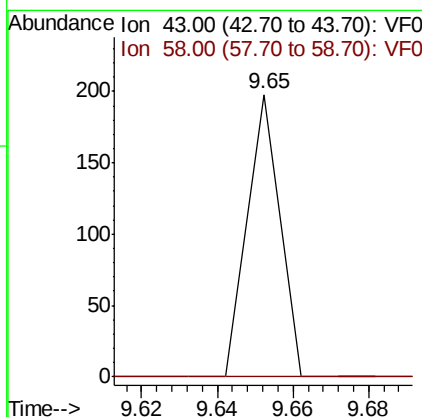
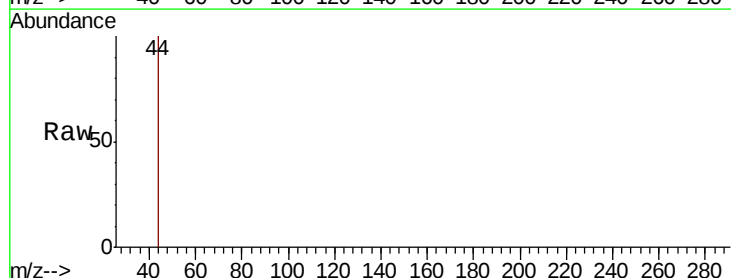
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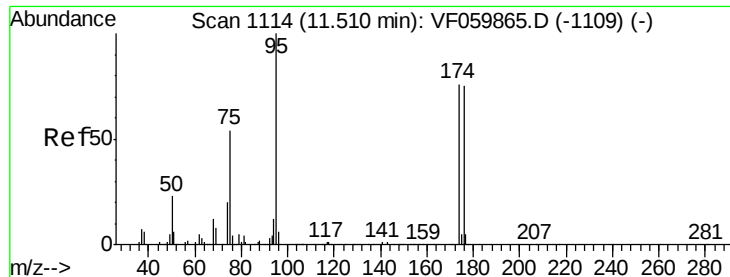
Tot Ion: 63 Resp: 71
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#59
 2-Hexanone
 Concen: 15.26 ug/l
 RT: 9.65 min Scan# 925
 Delta R.T. 0.02 min
 Lab File: VF059933.D
 Acq: 8 Aug 2018 16:05

Tgt Ion: 43 Resp: 117
 Ion Ratio Lower Upper
 43 100
 58 0.0 20.8 62.2#





#62

4-Bromofluorobenzene

Concen: 10.37 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF059933.D

Acq: 8 Aug 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

CL-02-080718-B

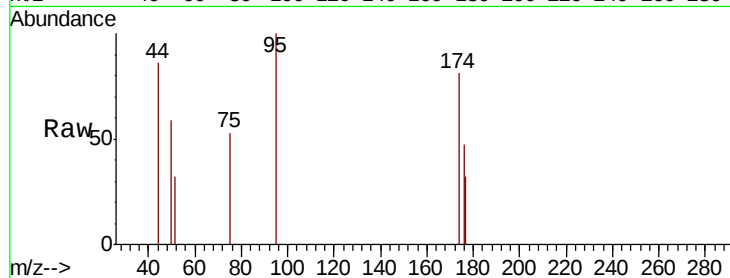
Tot Ion: 95 Resp: 256

Ion Ratio Lower Upper

95 100

174 80.6 0.0 151.6

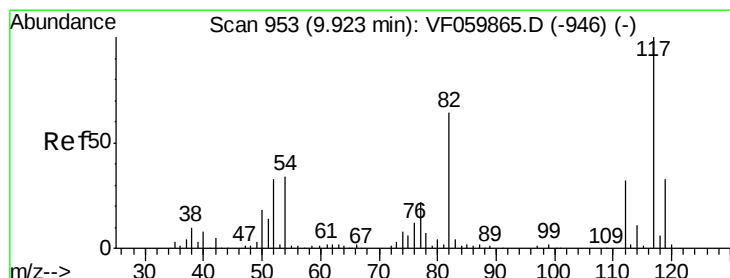
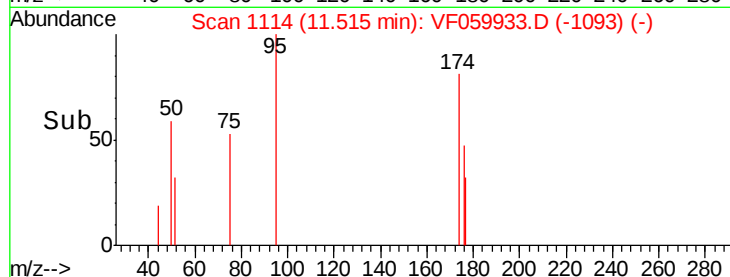
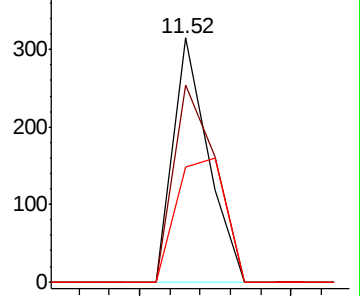
176 47.3 0.0 149.8



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: 50.00 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.00 min

Lab File: VF059933.D

Acq: 8 Aug 2018 16:05

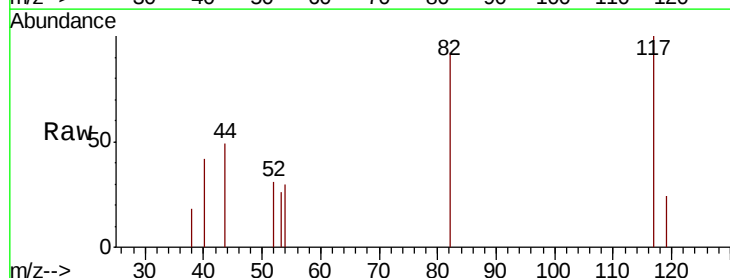
Tgt Ion: 117 Resp: 1354

Ion Ratio Lower Upper

117 100

82 91.6 51.3 76.9#

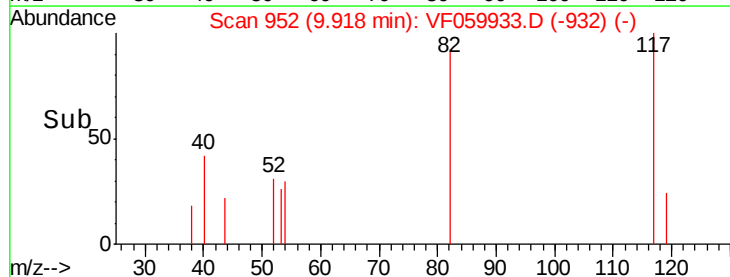
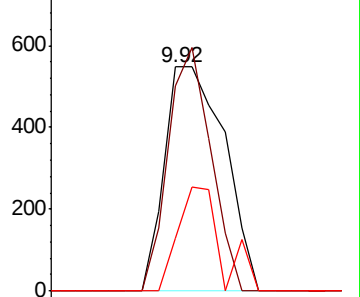
119 23.5 26.4 39.6#

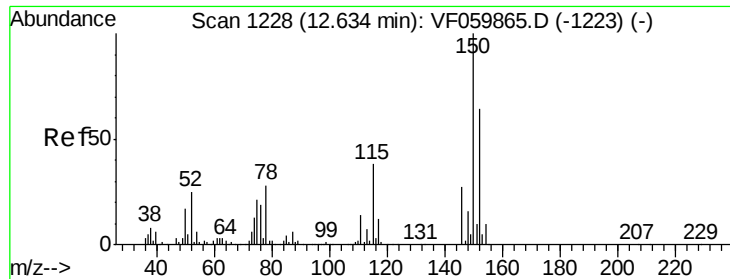


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VF059933.D

Acq: 8 Aug 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

CL-02-080718-B

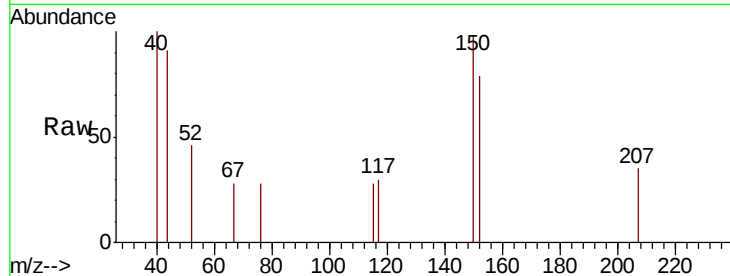
Tot Ion:152 Resp: 419

Ion Ratio Lower Upper

152 100

115 35.6 29.8 89.4

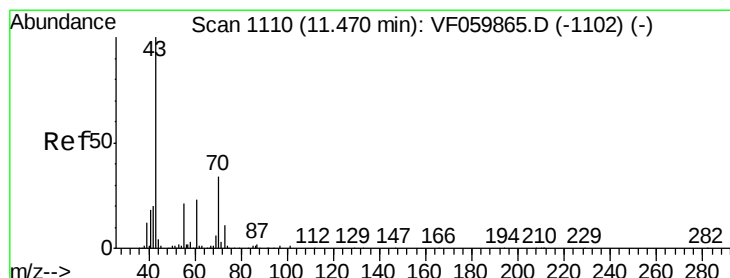
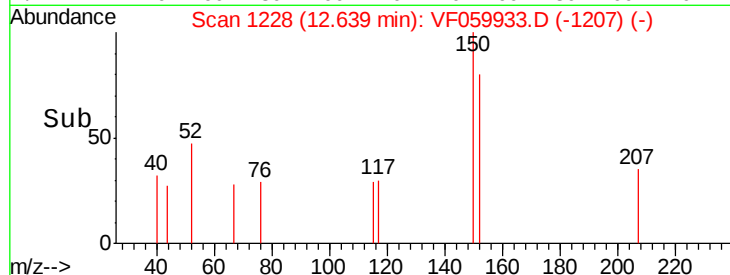
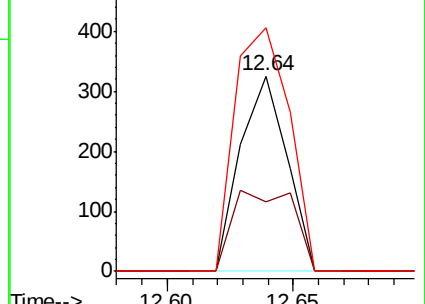
150 124.5 0.0 315.6



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-ethyl acetate

Concen: 13.30 ug/l

RT: 11.37 min Scan# 1099

Delta R.T. -0.10 min

Lab File: VF059933.D

Acq: 8 Aug 2018 16:05

Tgt Ion: 43 Resp: 71

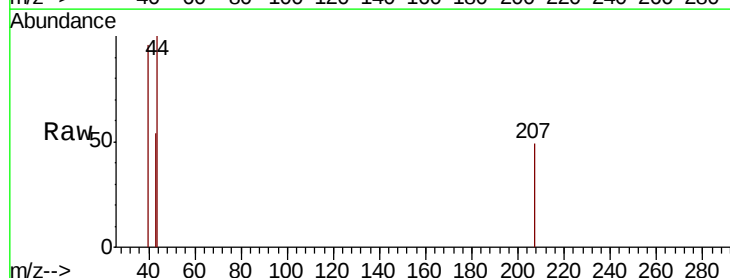
Ion Ratio Lower Upper

43 100

70 0.0 27.5 41.3#

55 0.0 16.6 25.0#

61 0.0 18.2 27.4#

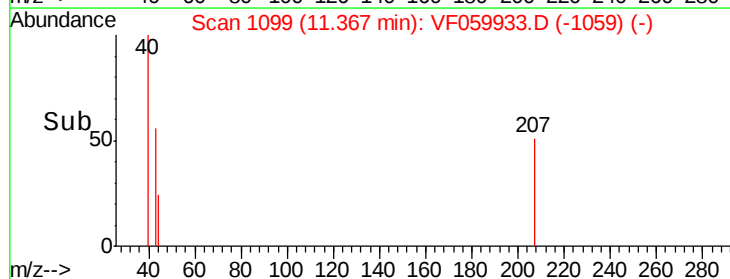
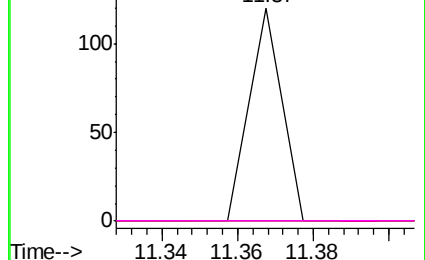


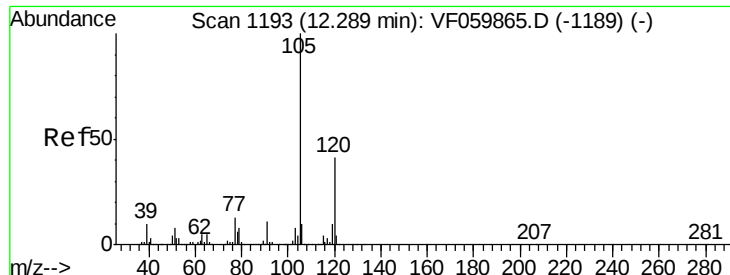
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#84

1,2,4-Trimethylbenzene

Concen: 2.93 ug/l

RT: 12.19 min Scan# 1182

Delta R.T. -0.10 min

Lab File: VF059933.D

Acq: 8 Aug 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

CL-02-080718-B

Tot Ion:105 Resp: 73

Ion Ratio Lower Upper

105 100

120 0.0 20.8 62.5#

