

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF082218\
 Data File : VF060043.D
 Acq On : 22 Aug 2018 16:41
 Operator : VA/AP
 Sample : J4275-15RE
 Misc : 6.75g/5mL/MSVOA_F/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-01-082018-D

Quant Time: Aug 23 04:26:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	238841	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.78	114	372737	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	360889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	174601	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	156940	48.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.02%	
35) Dibromofluoromethane	4.32	113	147058	50.24	ug/l	0.02
Spiked Amount 50.000			Recovery	=	100.48%	
50) Toluene-d8	7.73	98	362702	43.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.26%	
62) 4-Bromofluorobenzene	11.52	95	175479	39.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.82%	

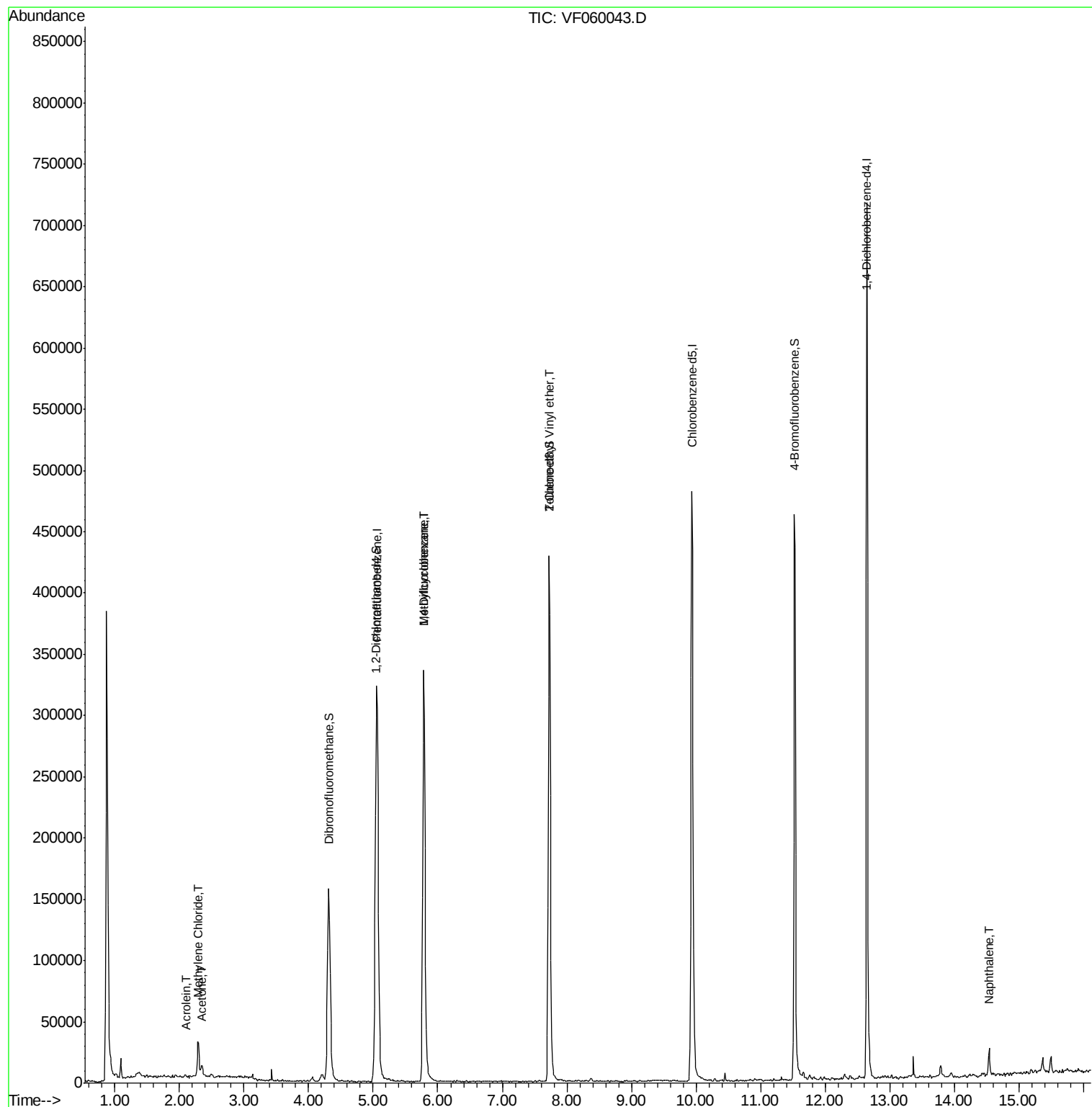
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.09	50	1527	Below Cal	#	76
13) Acrolein	2.09	56	60	26.829	ug/l #	1
16) Acetone	2.35	43	14386	16.745	ug/l	93
18) Methyl Acetate	2.44	43	1047	Below Cal	#	60
20) Methylene Chloride	2.28	84	12410	2.461	ug/l	89
39) Methylcyclohexane	5.78	83	4100	1.248	ug/l #	54
52) Toluene	7.79	92	65	Below Cal	#	42
58) 2-Chloroethyl Vinyl ether	7.72	63	269	1.356	ug/l	100
68) m/p-Xylenes	10.29	106	318	Below Cal		95
95) Naphthalene	14.54	128	14033	4.348	ug/l	99

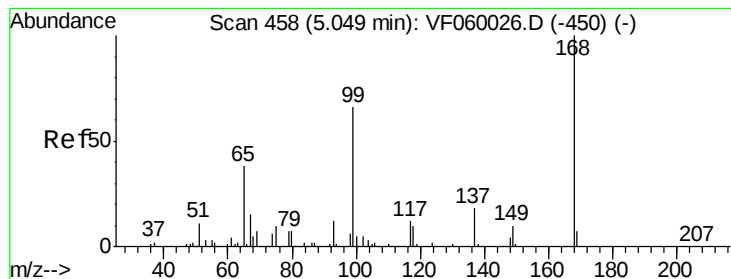
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.02 min

Lab File: VF060043.D

Acq: 22 Aug 2018 16:41

Instrument :

MSVOA_F

ClientSampleId :

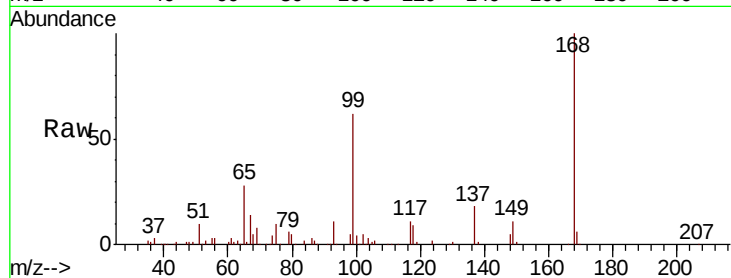
CL-01-082018-D

Tgt Ion:168 Resp: 238841

Ion Ratio Lower Upper

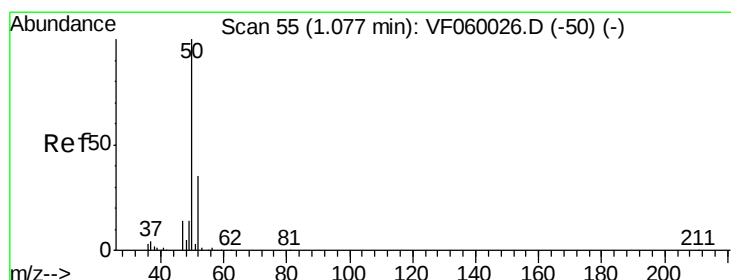
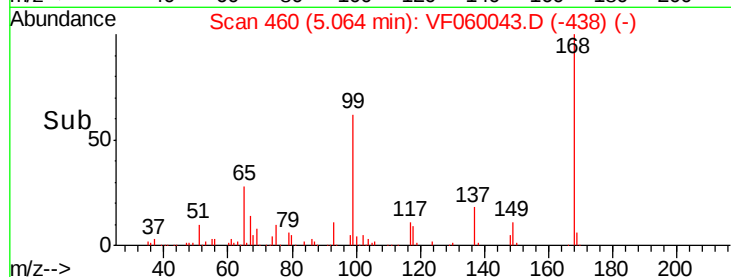
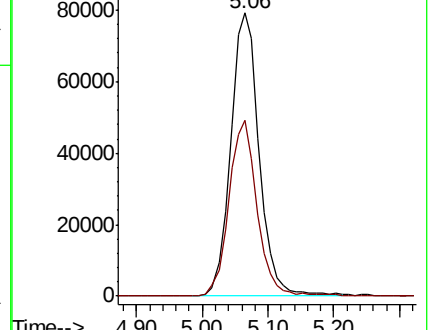
168 100

99 62.2 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: Below Cal

RT: 1.09 min Scan# 57

Delta R.T. 0.02 min

Lab File: VF060043.D

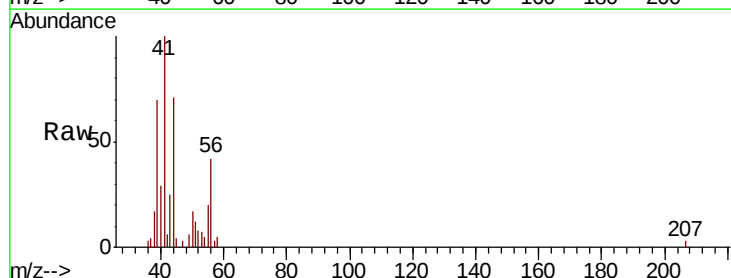
Acq: 22 Aug 2018 16:41

Tgt Ion: 50 Resp: 1527

Ion Ratio Lower Upper

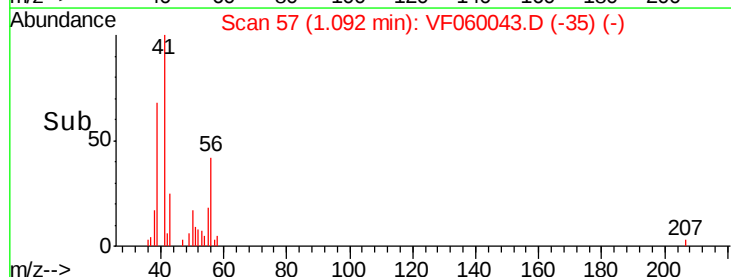
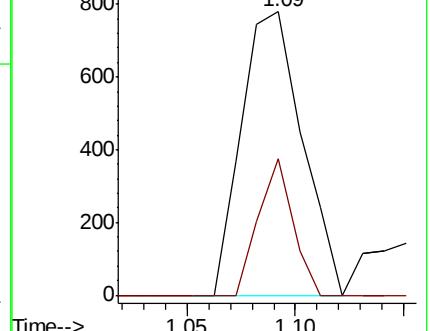
50 100

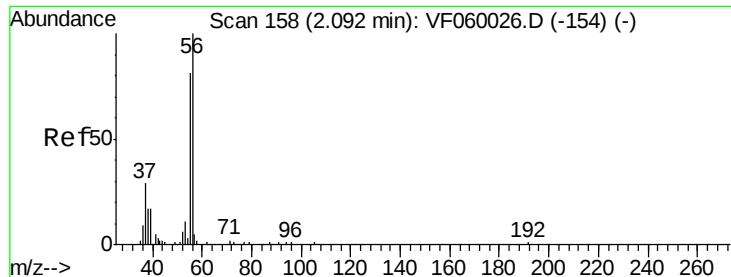
52 48.3 27.6 41.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#13

Acrolein

Concen: 26.829 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF060043.D

Acq: 22 Aug 2018 16:41

Instrument :

MSVOA_F

ClientSampleId :

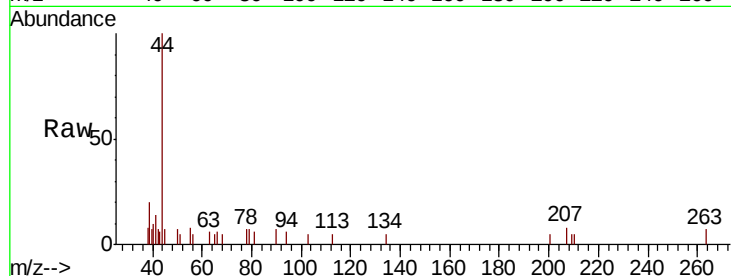
CL-01-082018-D

Tgt Ion: 56 Resp: 60

Ion Ratio Lower Upper

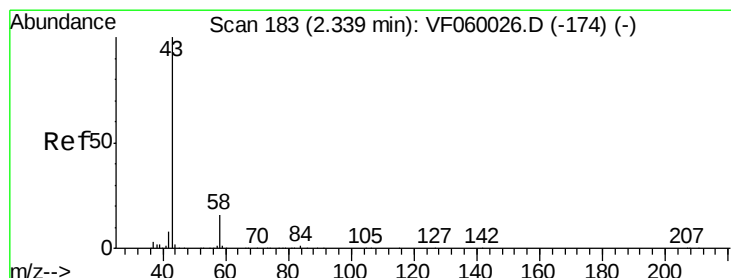
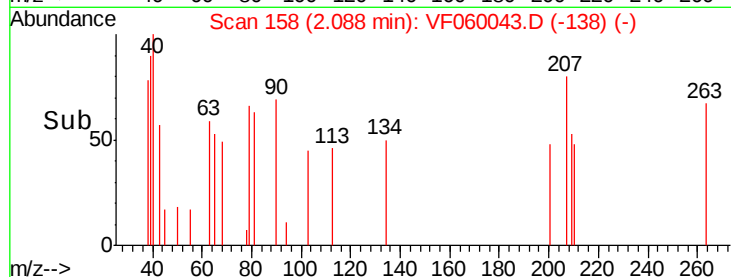
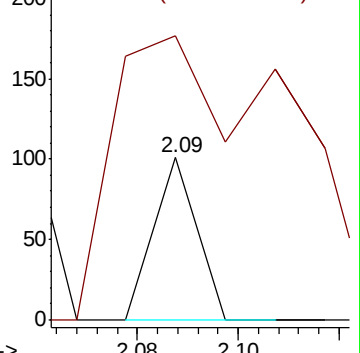
56 100

55 175.2 65.6 98.4#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#16

Acetone

Concen: 16.745 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.02 min

Lab File: VF060043.D

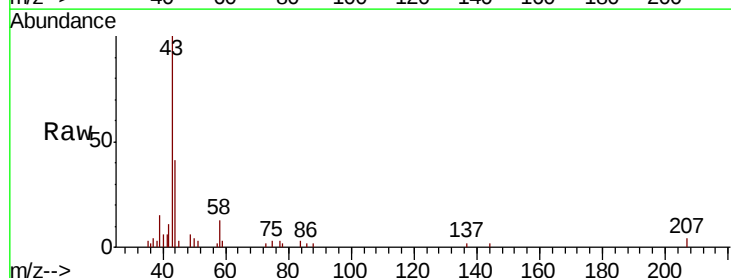
Acq: 22 Aug 2018 16:41

Tgt Ion: 43 Resp: 14386

Ion Ratio Lower Upper

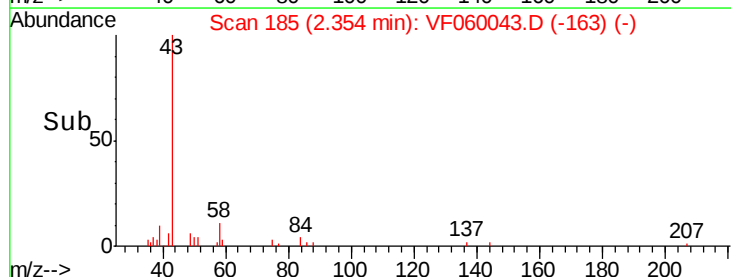
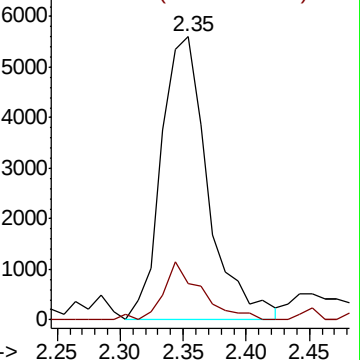
43 100

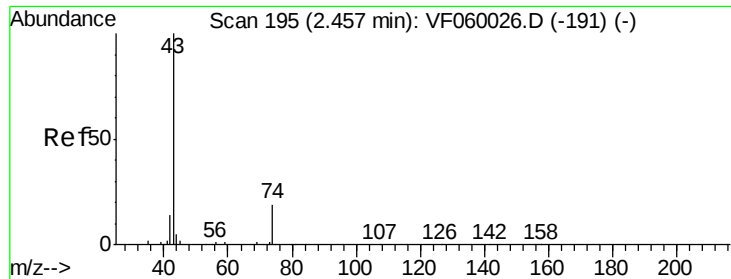
58 12.7 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

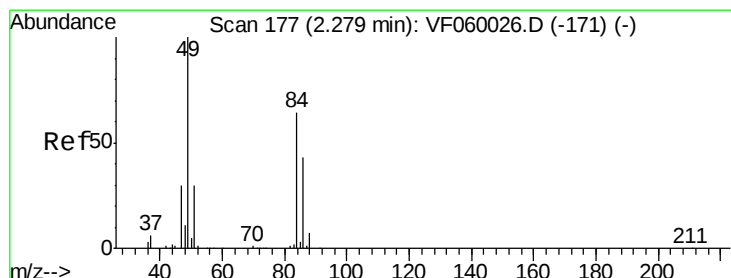
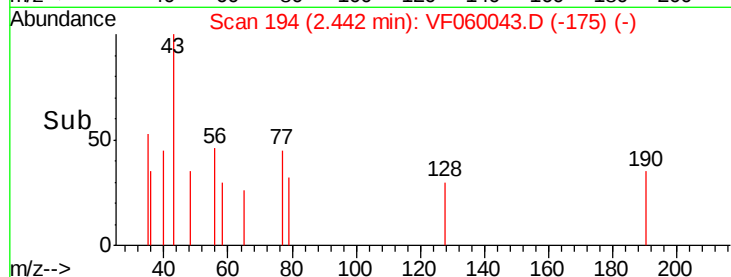
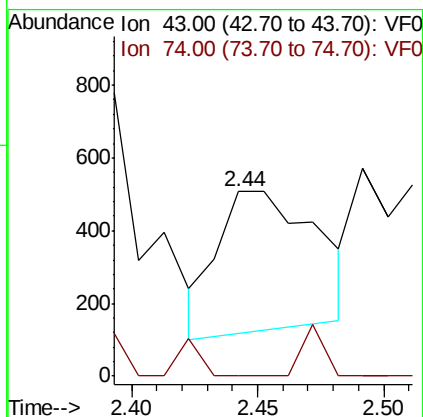
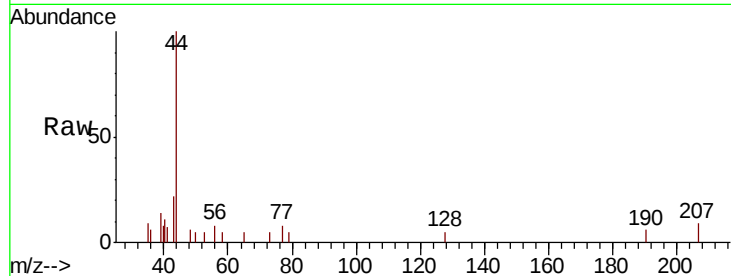




#18
Methyl Acetate
Concen: Below Cal
RT: 2.44 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF060043.D
Acq: 22 Aug 2018 16:41

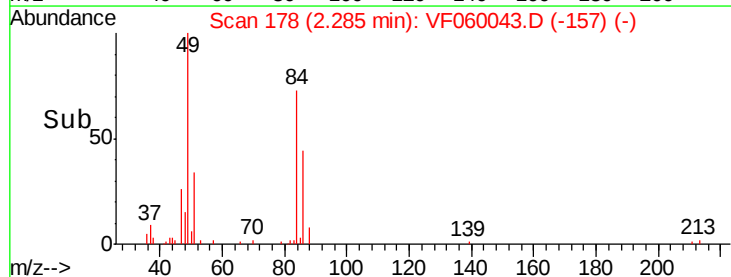
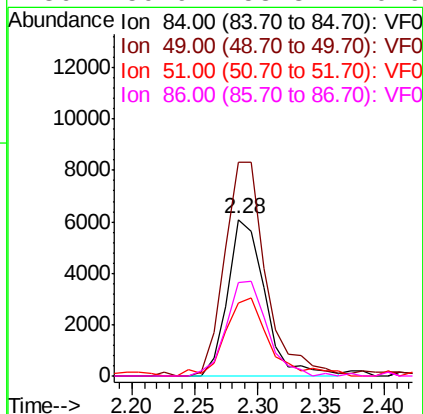
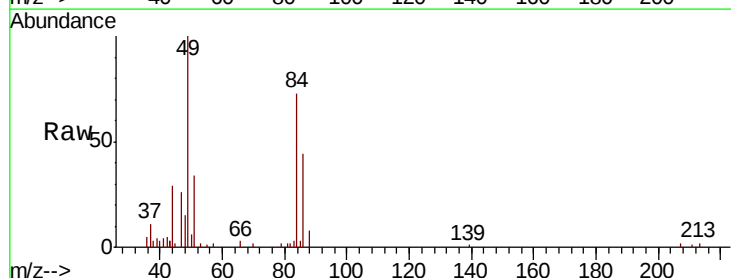
Instrument :
MSVOA_F
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CL-01-082018-D

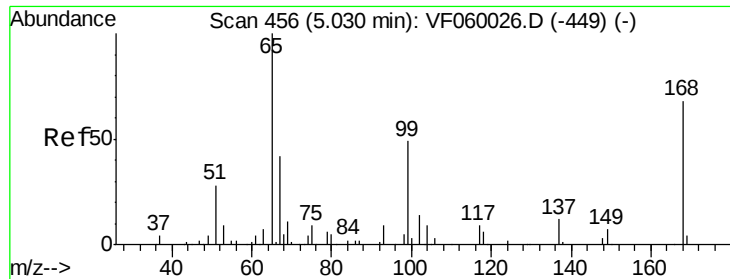
Tgt Ion: 43 Resp: 1047
Ion Ratio Lower Upper
43 100
74 0.0 13.8 20.6#



#20
Methylene Chloride
Concen: 2.461 ug/l
RT: 2.28 min Scan# 178
Delta R.T. 0.01 min
Lab File: VF060043.D
Acq: 22 Aug 2018 16:41

Tgt Ion: 84 Resp: 12410
Ion Ratio Lower Upper
84 100
49 136.2 125.4 188.0
51 46.9 38.3 57.5
86 59.9 53.3 79.9





#33

1,2-Dichloroethane-d4

Concen: 48.011 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF060043.D

Acq: 22 Aug 2018 16:41

Instrument :

MSVOA_F

ClientSampleId :

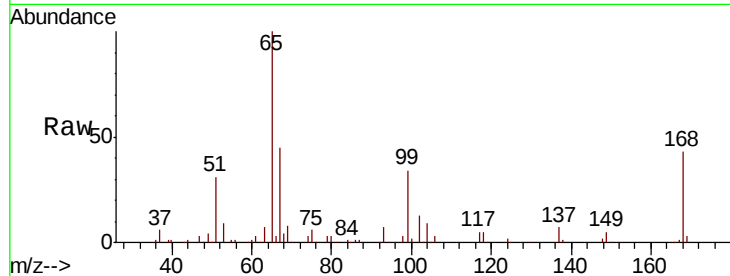
CL-01-082018-D

Tgt Ion: 65 Resp: 156940

Ion Ratio Lower Upper

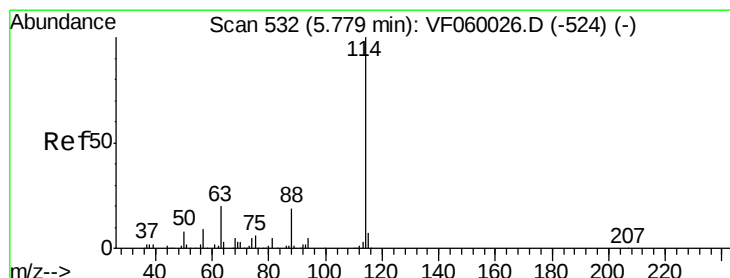
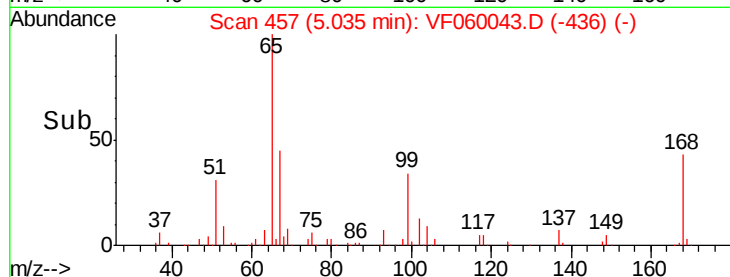
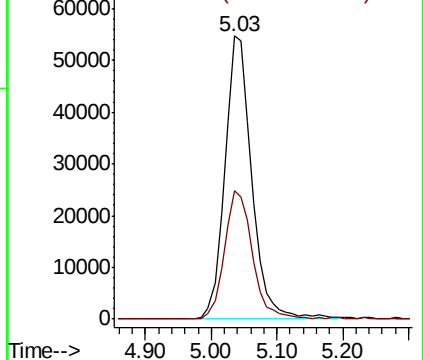
65 100

67 45.4 0.0 92.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 533

Delta R.T. 0.01 min

Lab File: VF060043.D

Acq: 22 Aug 2018 16:41

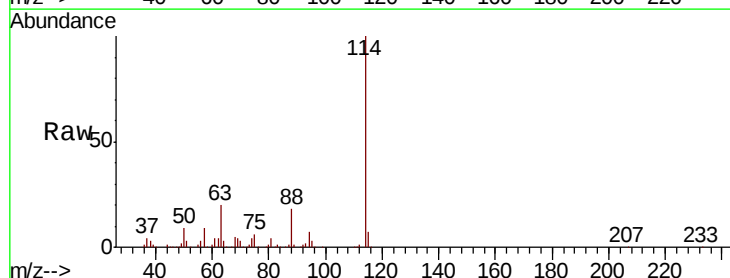
Tgt Ion: 114 Resp: 372737

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.4

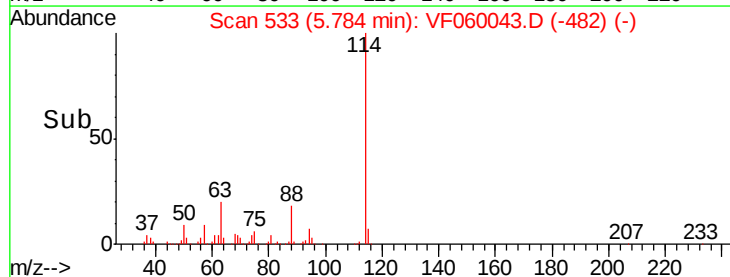
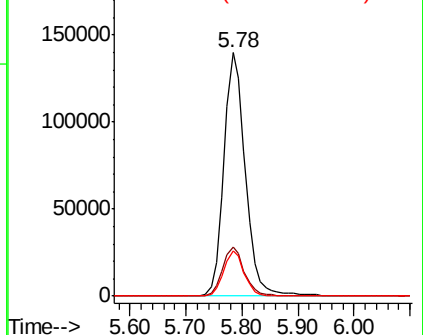
88 18.4 0.0 38.6

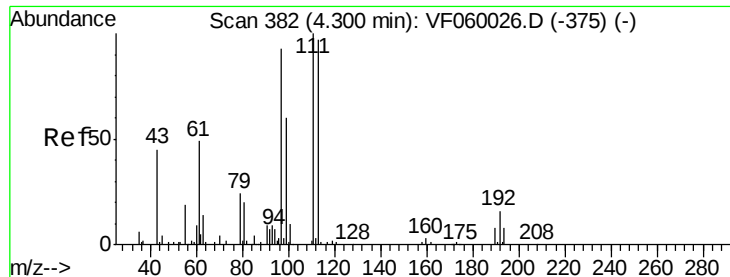


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

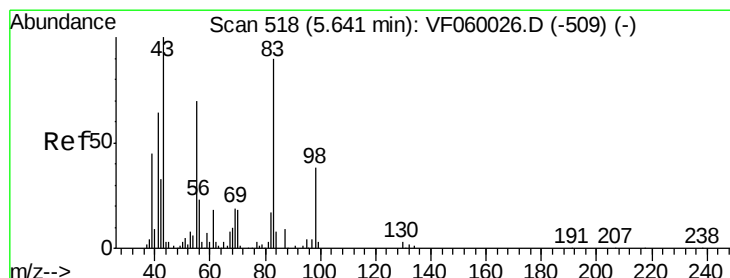
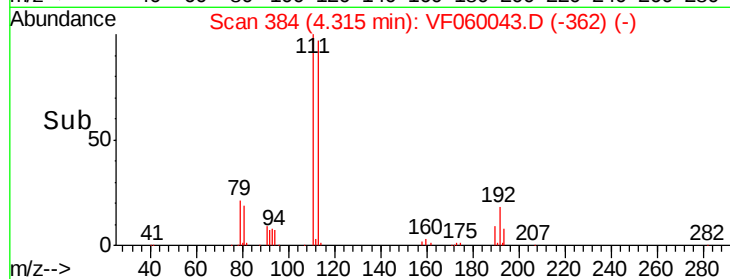
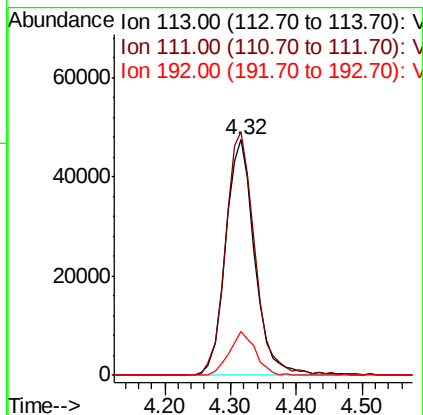
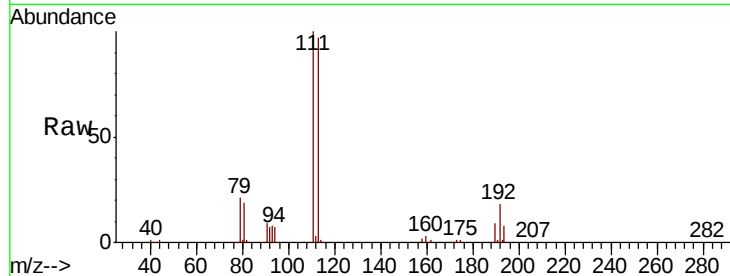




#35
 Dibromofluoromethane
 Concen: 50.243 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.02 min
 Lab File: VF060043.D
 Acq: 22 Aug 2018 16:41

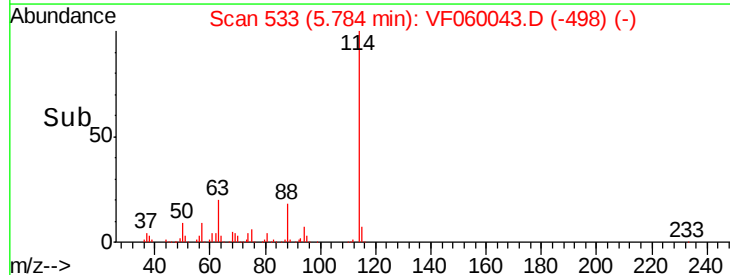
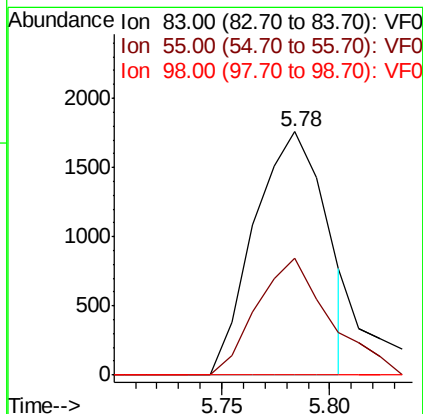
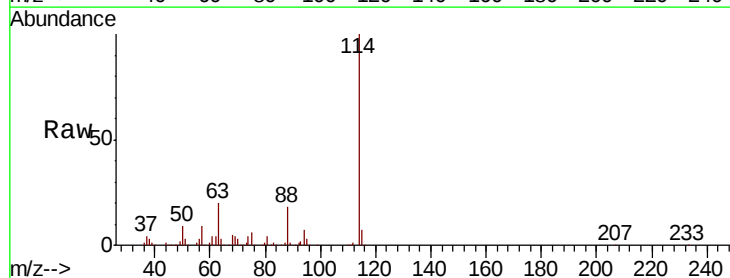
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 CL-01-082018-D

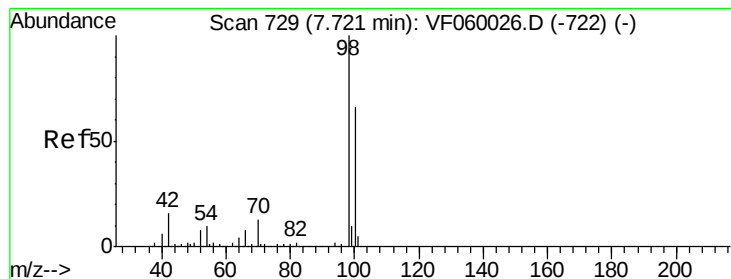
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.7	124.1
192	18.8	13.0	19.4



#39
 Methylcyclohexane
 Concen: 1.248 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. 0.14 min
 Lab File: VF060043.D
 Acq: 22 Aug 2018 16:41

Tgt Ion	Ratio	Lower	Upper
83	100		
55	47.8	62.7	94.1#
98	0.0	33.8	50.8#





#50

Toluene-d8

Concen: 43.634 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.01 min

Lab File: VF060043.D

Acq: 22 Aug 2018 16:41

Instrument :

MSVOA_F

ClientSampleId :

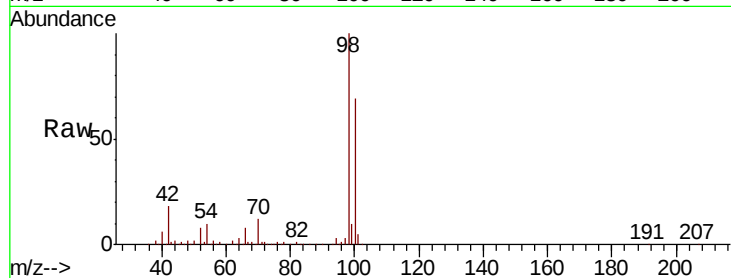
CL-01-082018-D

Tgt Ion: 98 Resp: 362702

Ion Ratio Lower Upper

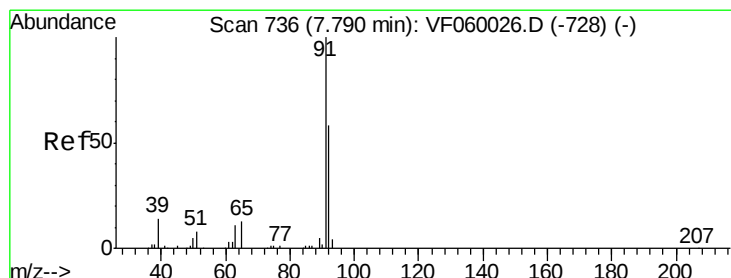
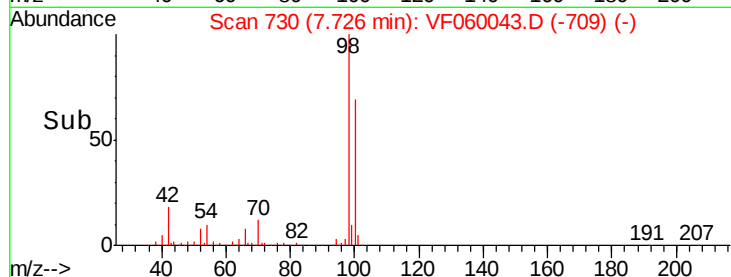
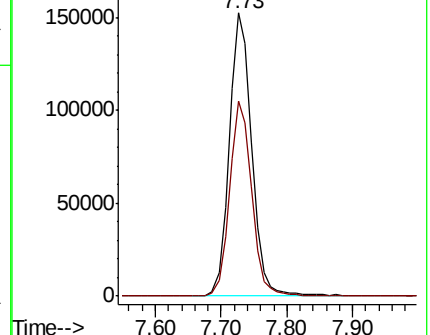
98 100

100 68.8 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#52

Toluene

Concen: Below Cal

RT: 7.79 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF060043.D

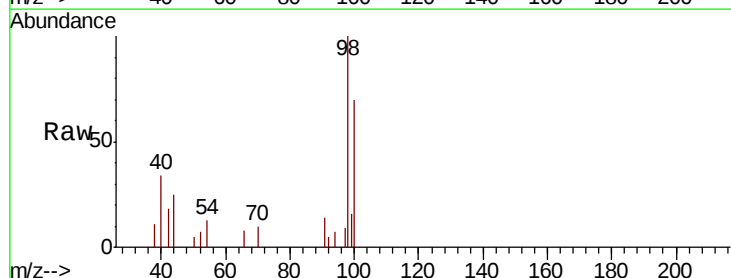
Acq: 22 Aug 2018 16:41

Tgt Ion: 92 Resp: 65

Ion Ratio Lower Upper

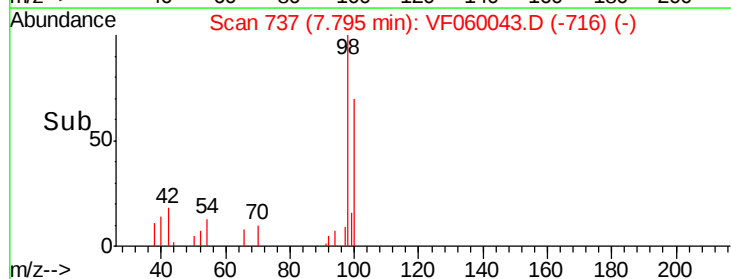
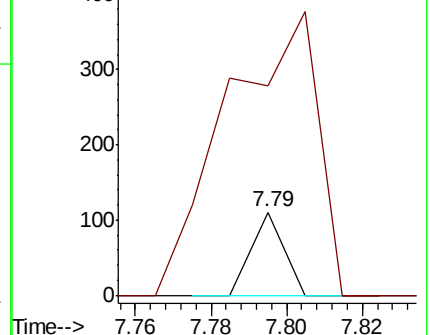
92 100

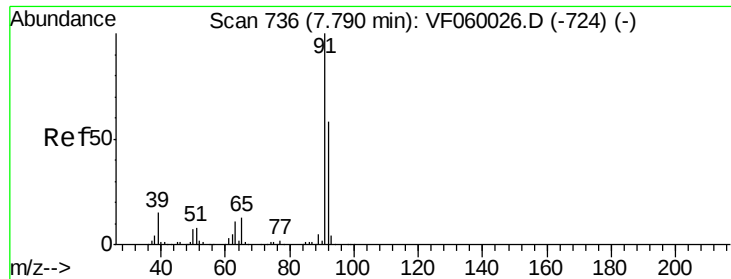
91 252.7 137.7 206.5#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

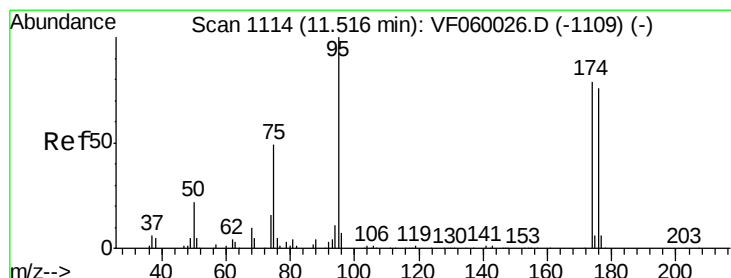
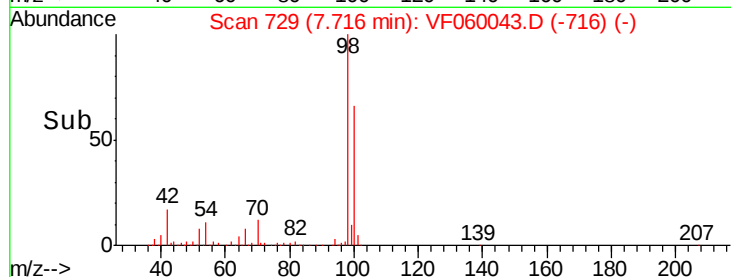
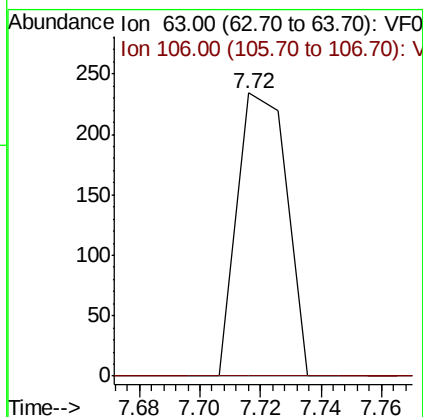
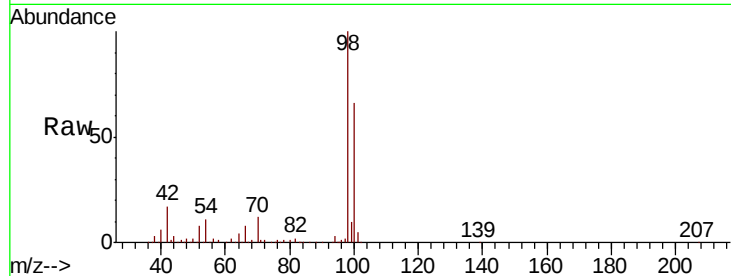




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.356 ug/l
 RT: 7.72 min Scan# 729
 Delta R.T. -0.07 min
 Lab File: VF060043.D
 Acq: 22 Aug 2018 16:41

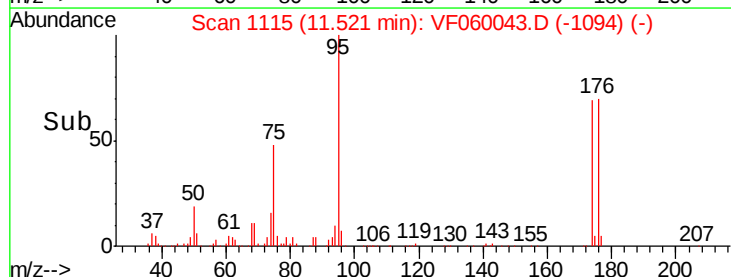
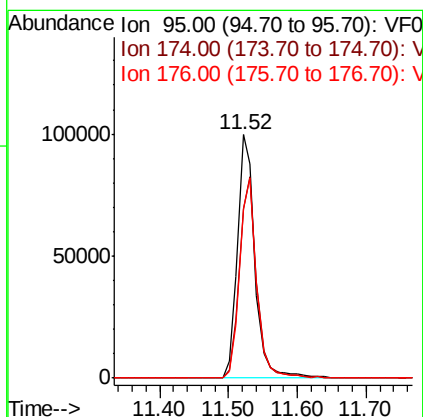
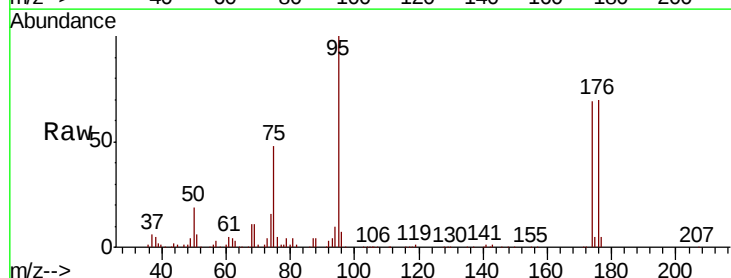
Instrument :
 MSVOA_F
 ClientSampleId :
 CL-01-082018-D

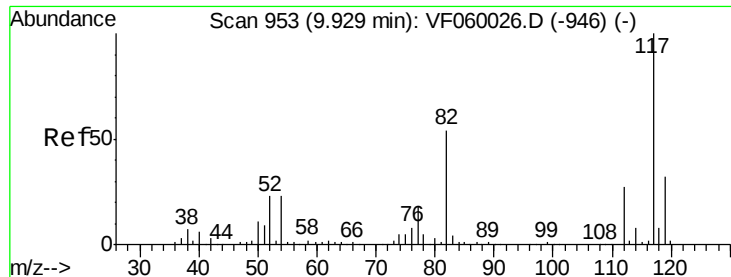
Tgt Ion: 63 Resp: 269
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 39.906 ug/l
 RT: 11.52 min Scan# 1115
 Delta R.T. 0.01 min
 Lab File: VF060043.D
 Acq: 22 Aug 2018 16:41

Tgt Ion: 95 Resp: 175479
 Ion Ratio Lower Upper
 95 100
 174 69.5 0.0 158.4
 176 69.5 0.0 153.0

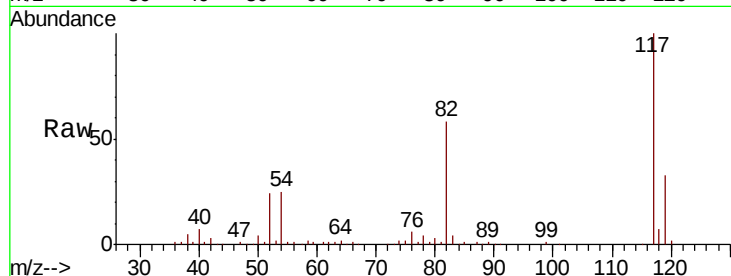




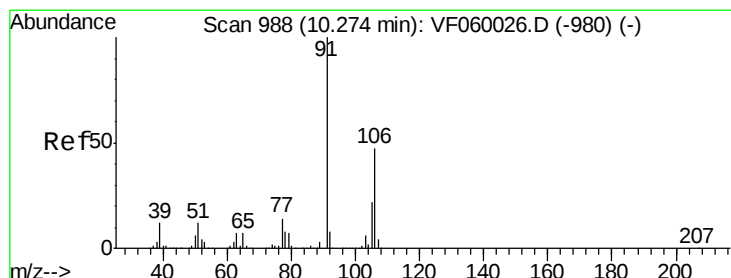
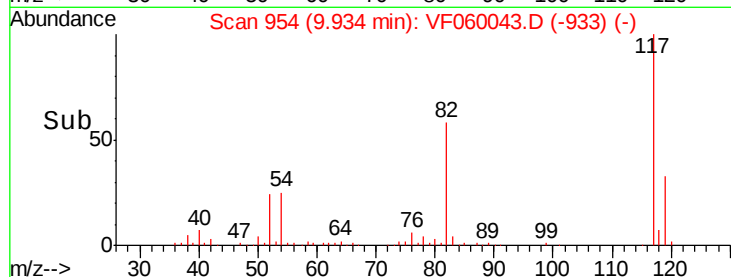
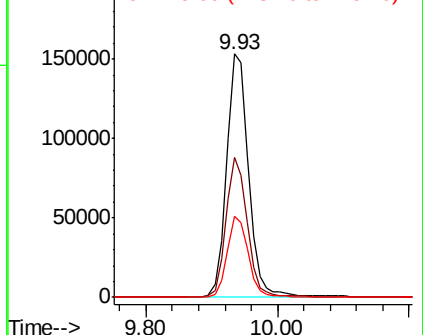
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF060043.D
Acq: 22 Aug 2018 16:41

Instrument :
MSVOA_F
ClientSampleId :
CL-01-082018-D

Tgt Ion:117 Resp: 360889
Ion Ratio Lower Upper
117 100
82 57.6 43.6 65.4
119 33.2 25.6 38.4

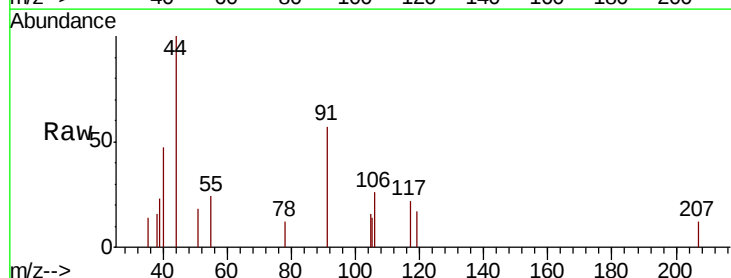


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

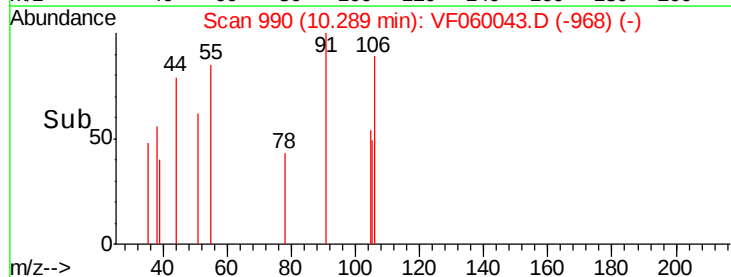
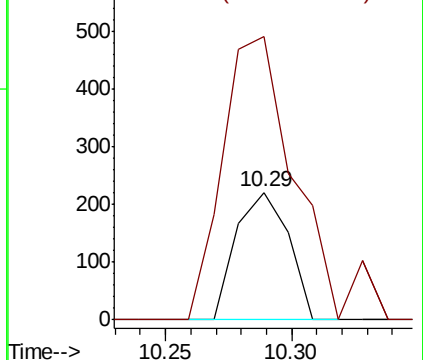


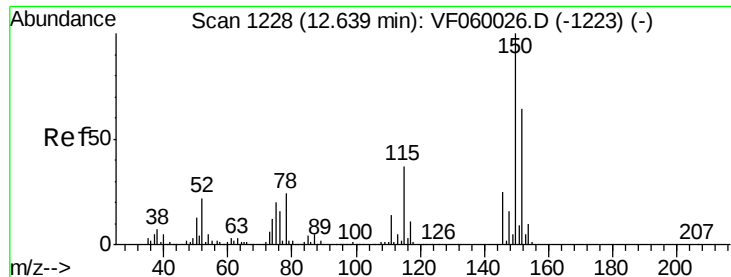
#68
m/p-Xylenes
Concen: Below Cal
RT: 10.29 min Scan# 990
Delta R.T. 0.02 min
Lab File: VF060043.D
Acq: 22 Aug 2018 16:41

Tgt Ion:106 Resp: 318
Ion Ratio Lower Upper
106 100
91 222.7 171.8 257.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VF060043.D

Acq: 22 Aug 2018 16:41

Instrument :

MSVOA_F

ClientSampleId :

CL-01-082018-D

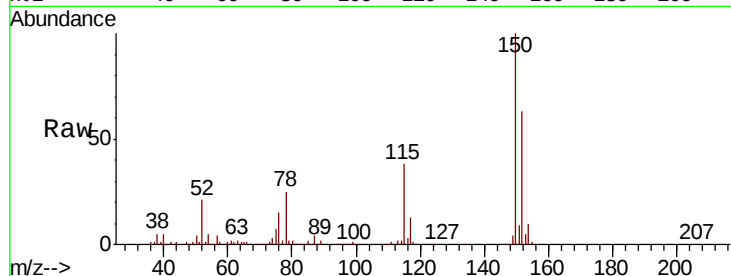
Tgt Ion:152 Resp: 174601

Ion Ratio Lower Upper

152 100

115 59.2 28.6 85.9

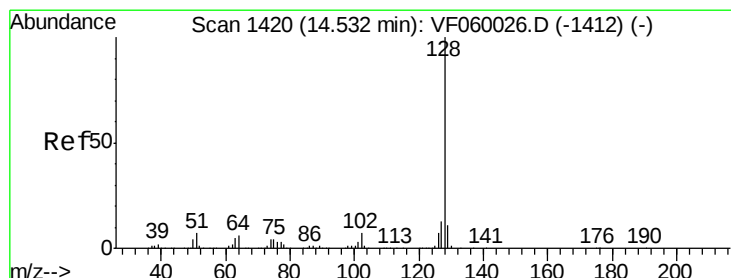
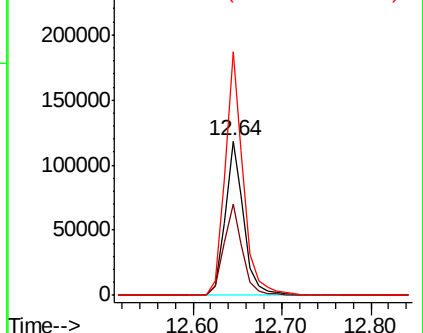
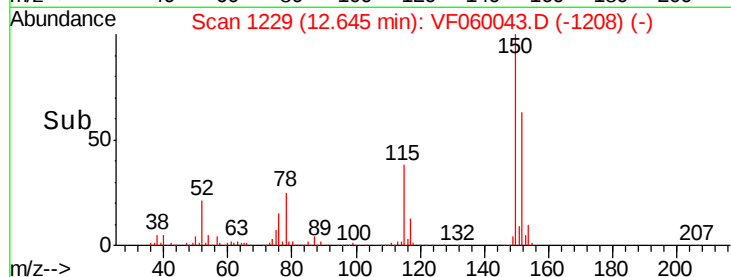
150 157.5 0.0 312.0



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



#95

Naphthalene

Concen: 4.348 ug/l

RT: 14.54 min Scan# 1421

Delta R.T. 0.01 min

Lab File: VF060043.D

Acq: 22 Aug 2018 16:41

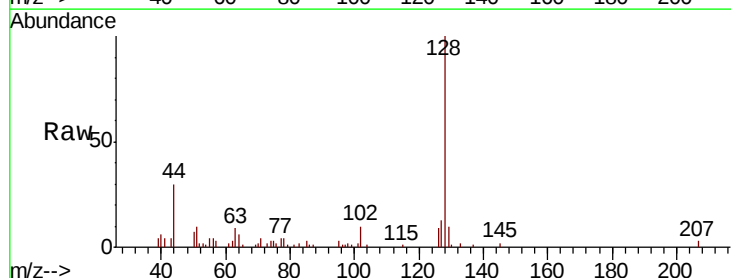
Tgt Ion:128 Resp: 14033

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 10.2 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

