

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF082218\
 Data File : VF060044.D
 Acq On : 22 Aug 2018 17:09
 Operator : VA/AP
 Sample : J4275-17RE
 Misc : 6.38g/5mL/MSVOA_F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

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

Quant Time: Aug 23 04:26:36 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

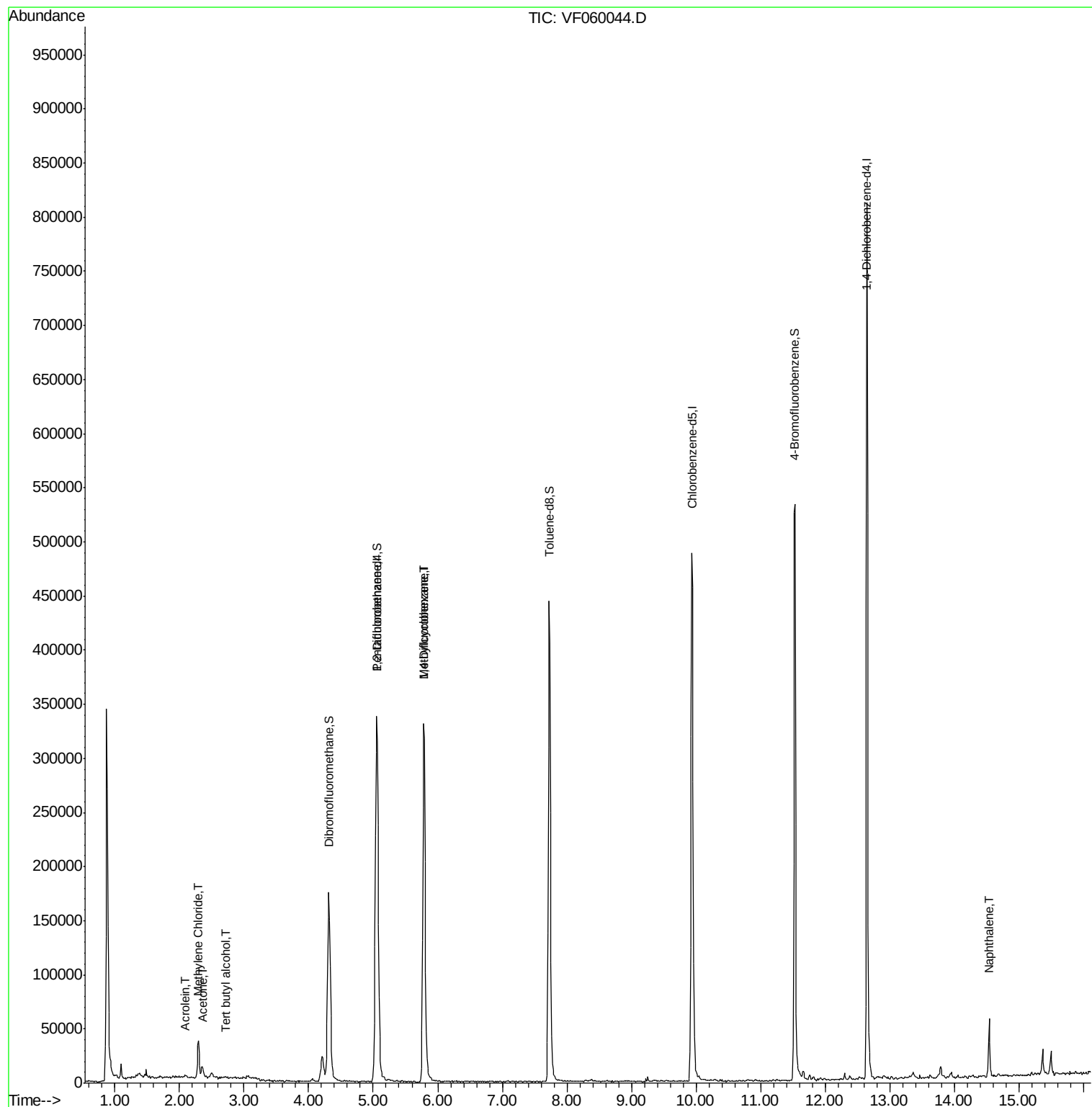
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	231641	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	366037	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	365426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	201856	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	177271	55.92	ug/l	0.01
Spiked Amount 50.000			Recovery	=	111.84%	
35) Dibromofluoromethane	4.31	113	160993	56.01	ug/l	0.01
Spiked Amount 50.000			Recovery	=	112.02%	
50) Toluene-d8	7.73	98	378891	46.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.84%	
62) 4-Bromofluorobenzene	11.52	95	201754	46.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.44%	
Target Compounds						
3) Chloromethane	1.09	50	1159	Below Cal		95
11) Tert butyl alcohol	2.71	59	537	3.184 ug/l #		80
13) Acrolein	2.10	56	195	28.017 ug/l		88
16) Acetone	2.35	43	13103	15.726 ug/l #		92
18) Methyl Acetate	2.51	43	1230	Below Cal #		60
20) Methylene Chloride	2.29	84	14600	4.202 ug/l		91
39) Methylcyclohexane	5.78	83	4730	1.467 ug/l #		45
52) Toluene	7.80	92	85	Below Cal #		72
68) m/p-Xylenes	10.29	106	589	Below Cal #		39
95) Naphthalene	14.54	128	37212	7.016 ug/l #		96

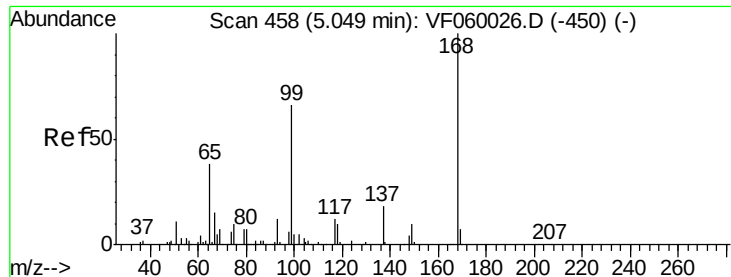
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF060044.D

Acq: 22 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

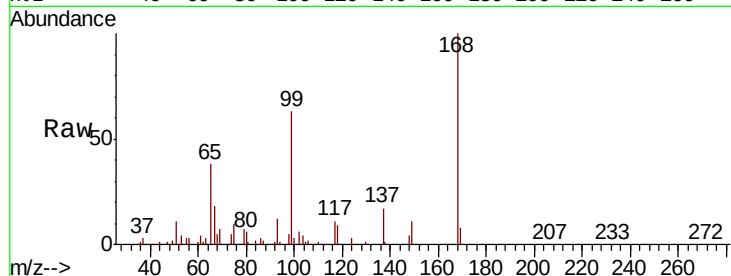
CL-01-082018-E

Tgt Ion:168 Resp: 231641

Ion Ratio Lower Upper

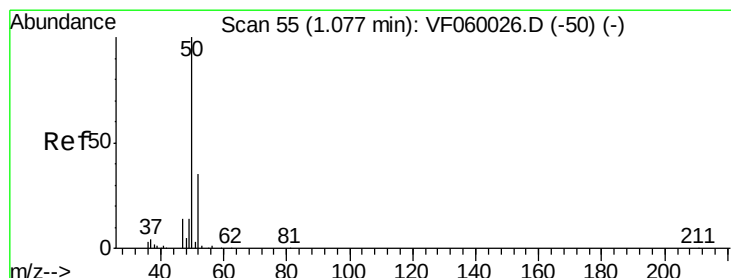
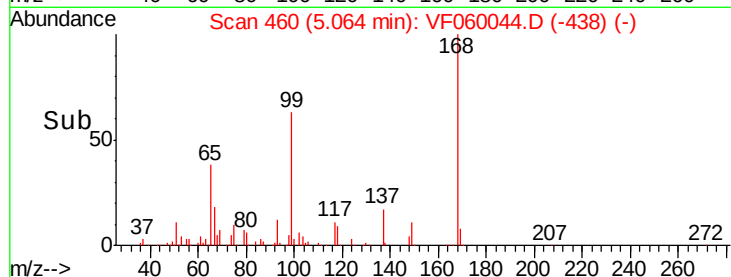
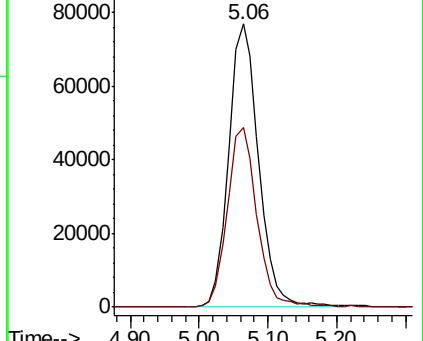
168 100

99 63.4 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: VF060044.D

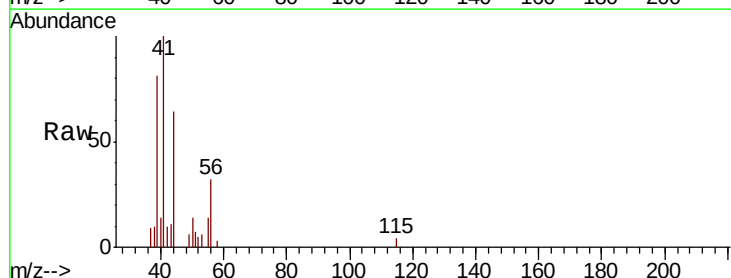
Acq: 22 Aug 2018 17:09

Tgt Ion: 50 Resp: 1159

Ion Ratio Lower Upper

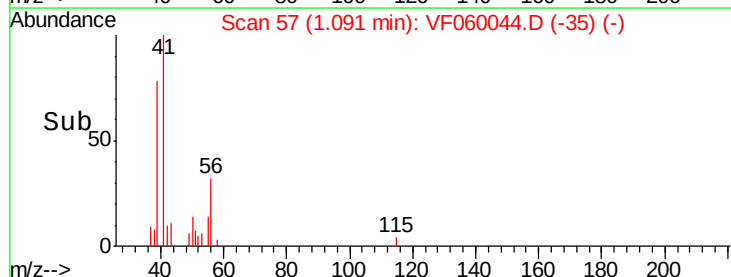
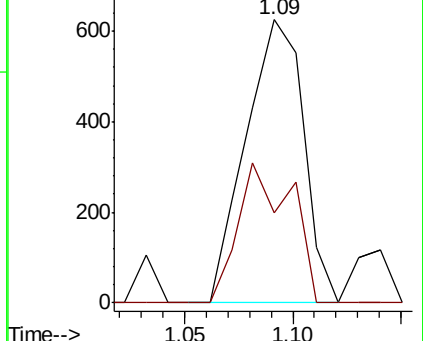
50 100

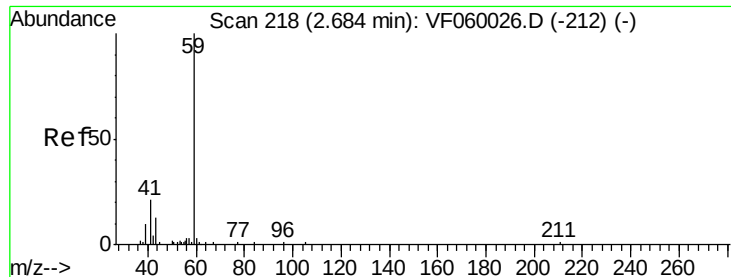
52 31.7 27.6 41.4



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

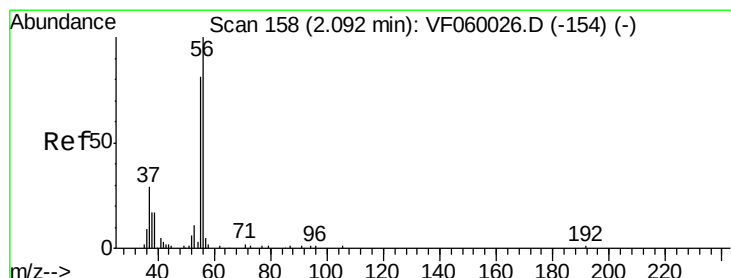
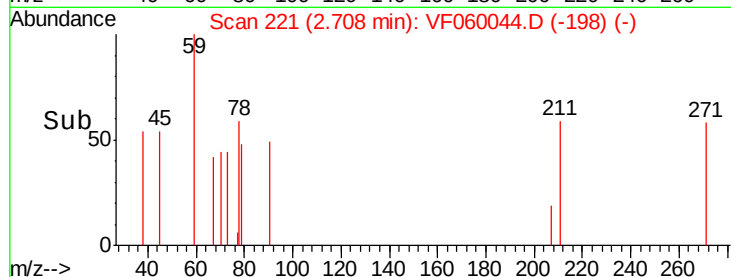
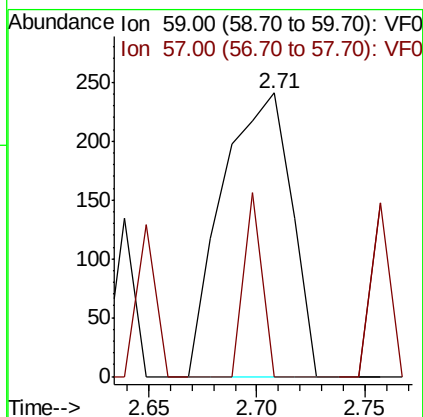
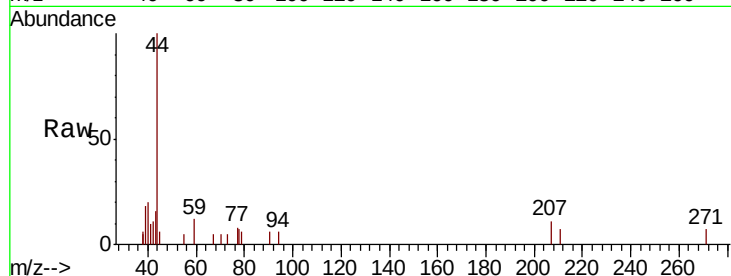




#11
Tert butyl alcohol
Concen: 3.184 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.02 min
Lab File: VF060044.D
Acq: 22 Aug 2018 17:09

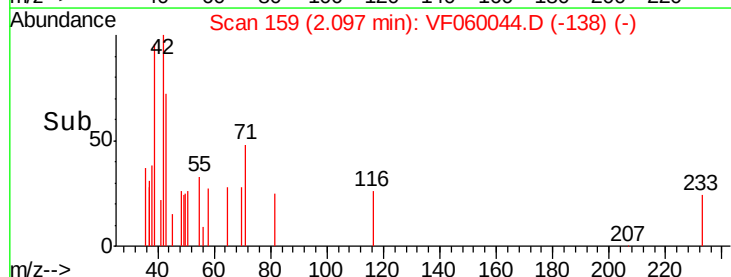
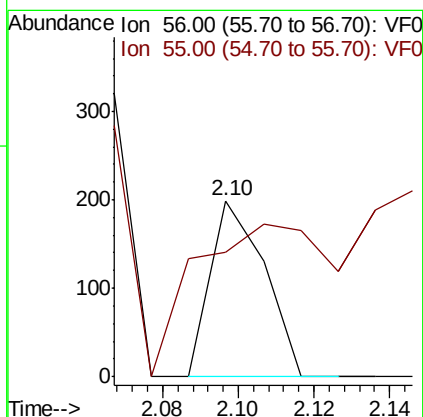
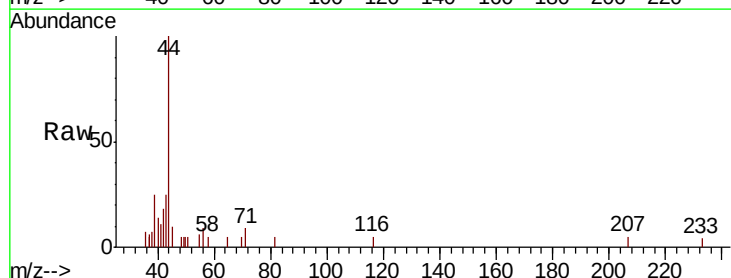
Instrument :
MSVOA_F
ClientSampleId :
CL-01-082018-E

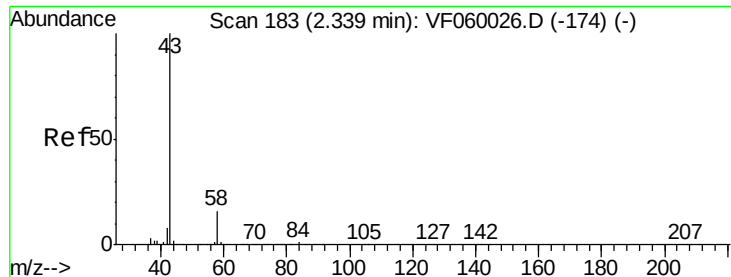
Tgt Ion: 59 Resp: 537
Ion Ratio Lower Upper
59 100
57 0.0 5.4 8.2#



#13
Acrolein
Concen: 28.017 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.00 min
Lab File: VF060044.D
Acq: 22 Aug 2018 17:09

Tgt Ion: 56 Resp: 195
Ion Ratio Lower Upper
56 100
55 70.9 65.6 98.4





#16

Acetone

Concen: 15.726 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF060044.D

Acq: 22 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

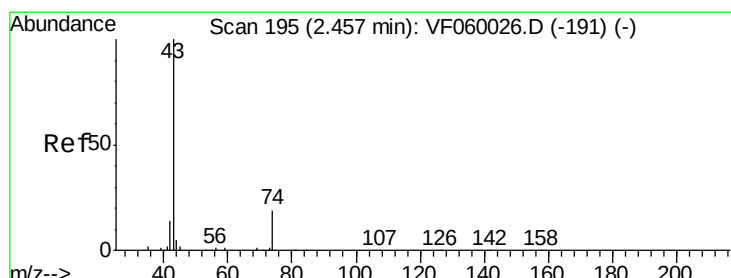
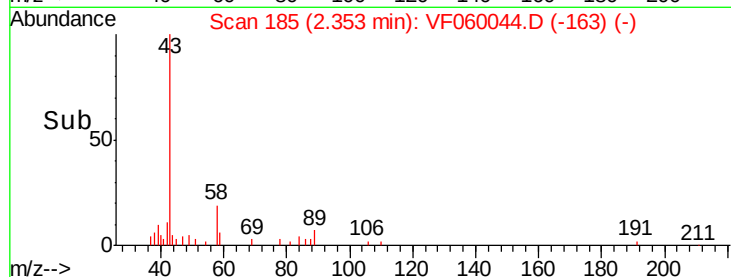
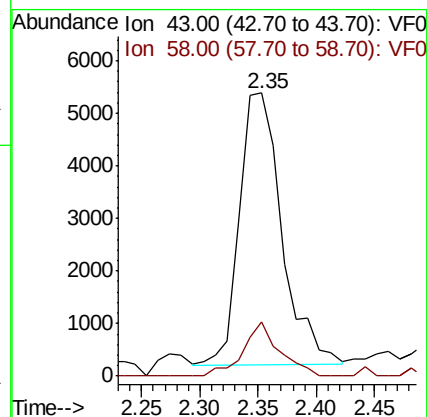
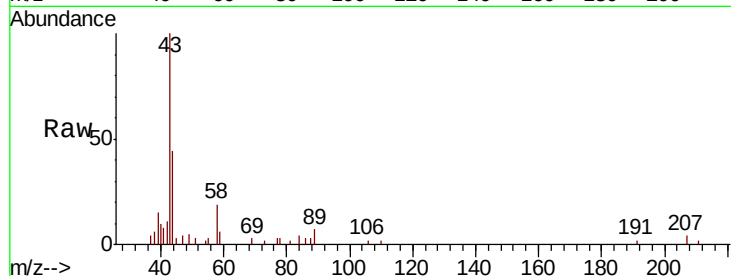
CL-01-082018-E

Tgt Ion: 43 Resp: 13103

Ion Ratio Lower Upper

43 100

58 19.2 12.6 19.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 2.51 min Scan# 201

Delta R.T. 0.05 min

Lab File: VF060044.D

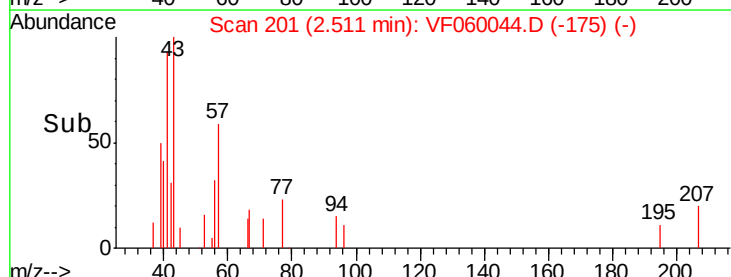
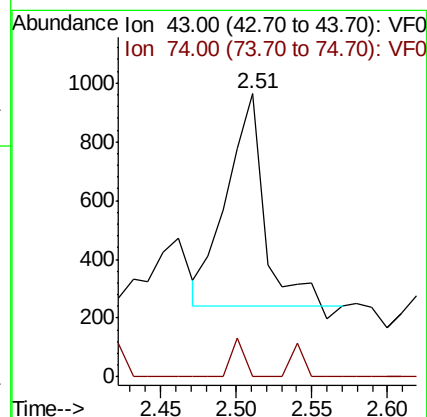
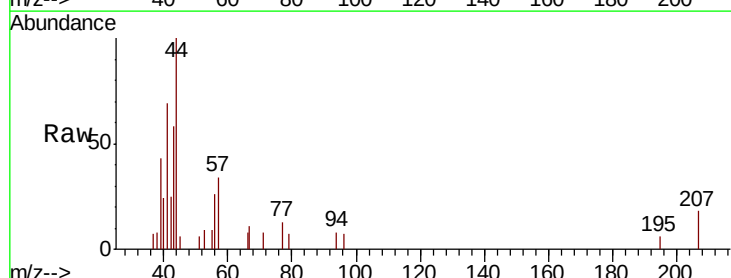
Acq: 22 Aug 2018 17:09

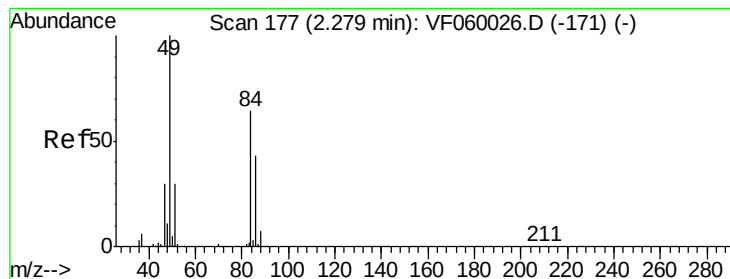
Tgt Ion: 43 Resp: 1230

Ion Ratio Lower Upper

43 100

74 0.0 13.8 20.6#





#20

Methylene Chloride

Concen: 4.202 ug/l

RT: 2.29 min Scan# 179

Delta R.T. 0.01 min

Lab File: VF060044.D

Acq: 22 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

CL-01-082018-E

Tgt Ion: 84 Resp: 14600

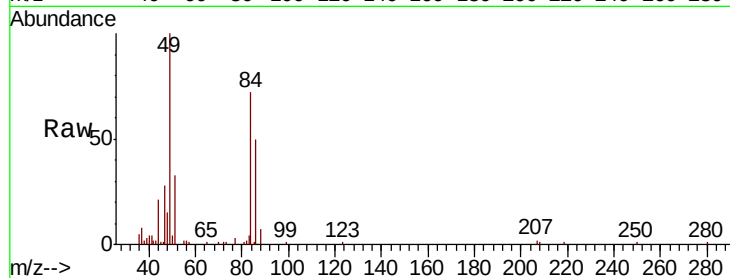
Ion Ratio Lower Upper

84 100

49 139.7 125.4 188.0

51 46.7 38.3 57.5

86 69.2 53.3 79.9

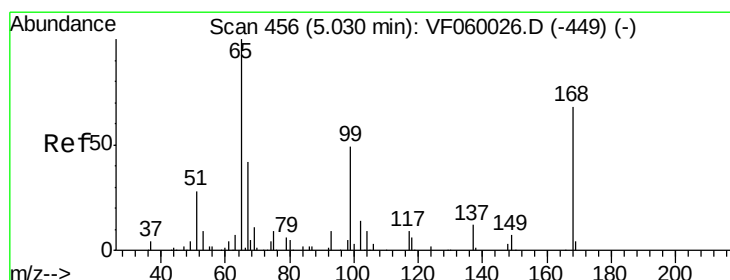
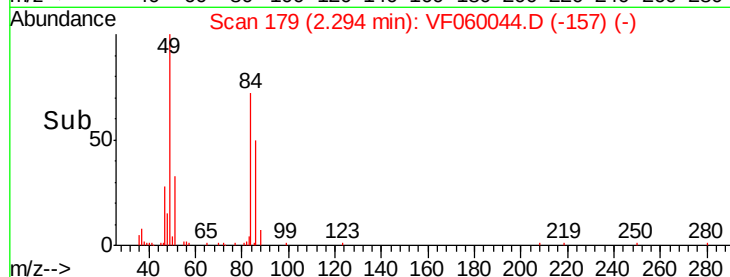
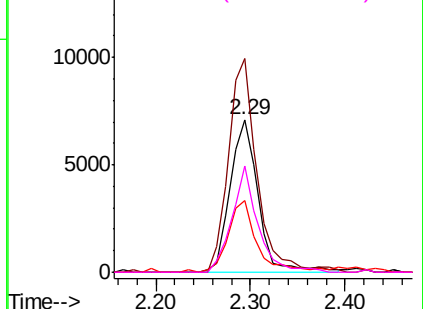


Abundance Ion 84.00 (83.70 to 84.70): VF0

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



#33

1,2-Dichloroethane-d4

Concen: 55.916 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF060044.D

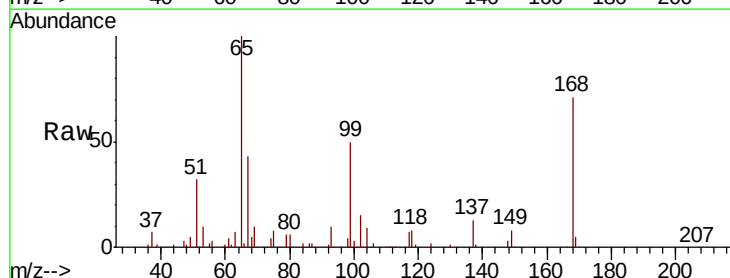
Acq: 22 Aug 2018 17:09

Tgt Ion: 65 Resp: 177271

Ion Ratio Lower Upper

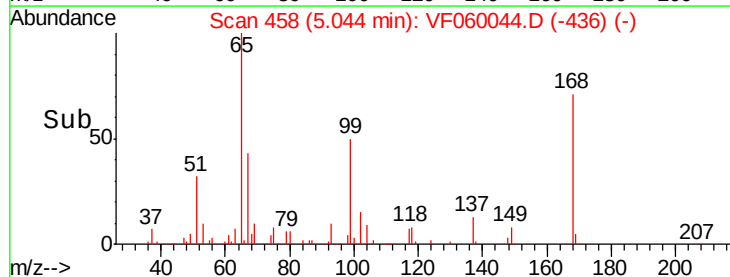
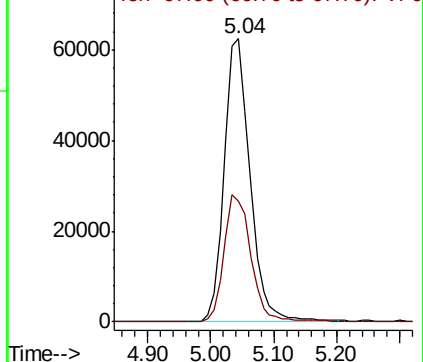
65 100

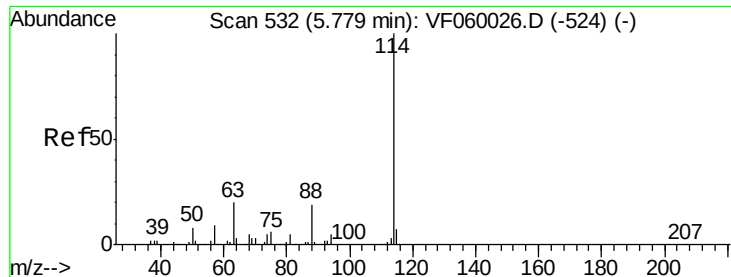
67 42.6 0.0 92.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

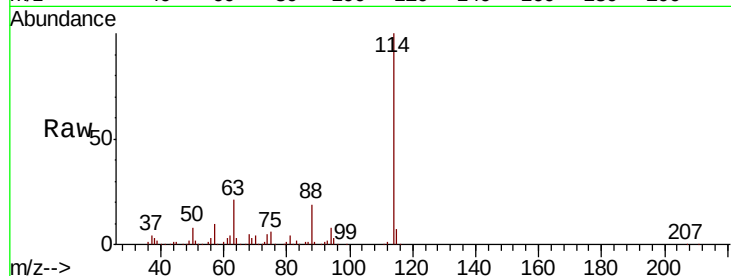




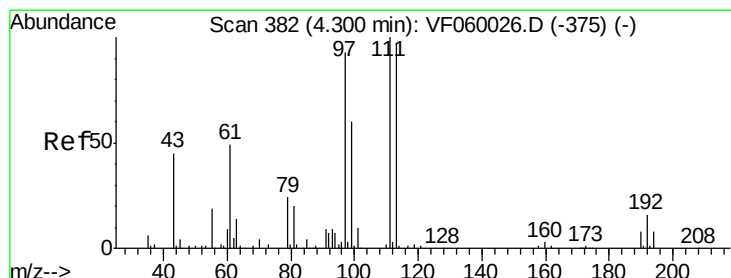
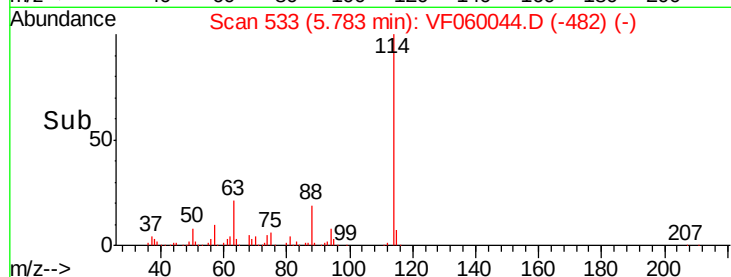
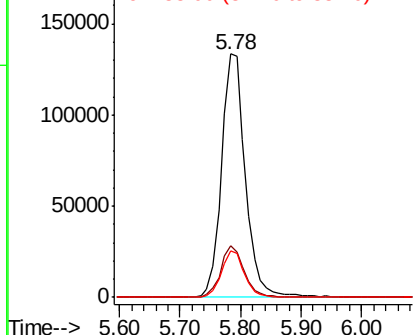
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.78 min Scan# 533
Delta R.T. 0.00 min
Lab File: VF060044.D
Acq: 22 Aug 2018 17:09

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

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	40.4
88	19.2	0.0	38.6

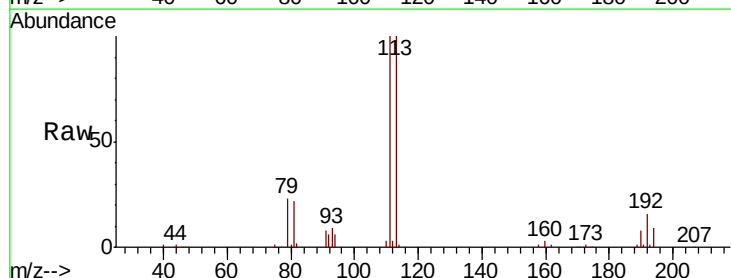


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

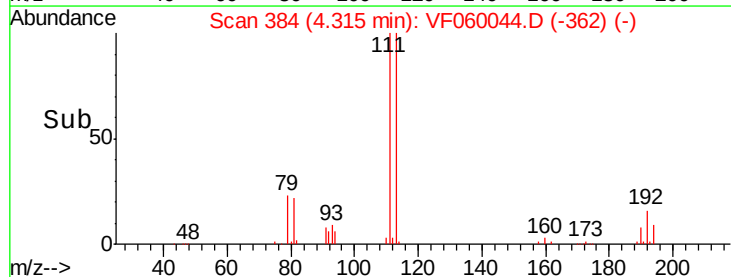
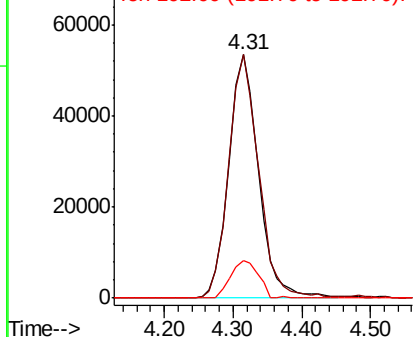


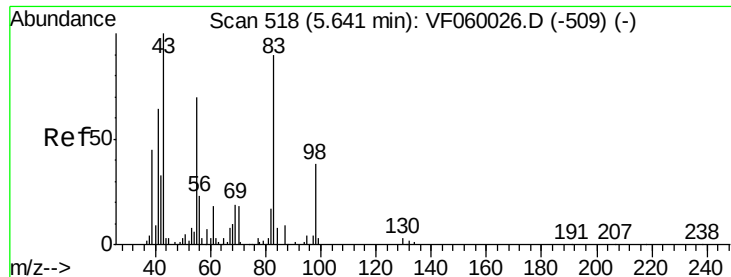
#35
Dibromofluoromethane
Concen: 56.011 ug/l
RT: 4.31 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF060044.D
Acq: 22 Aug 2018 17:09

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.9	82.7	124.1
192	15.7	13.0	19.4



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

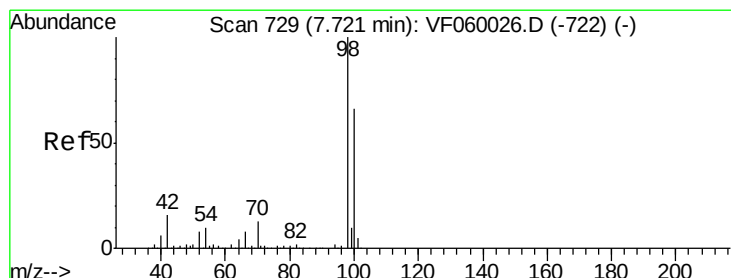
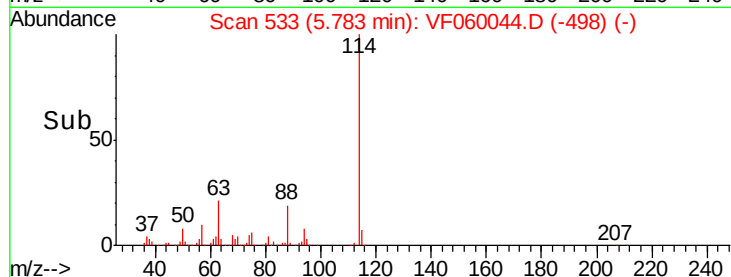
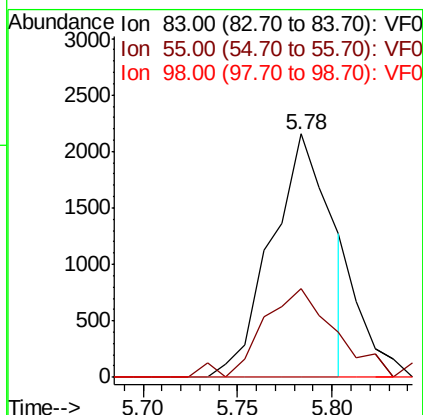
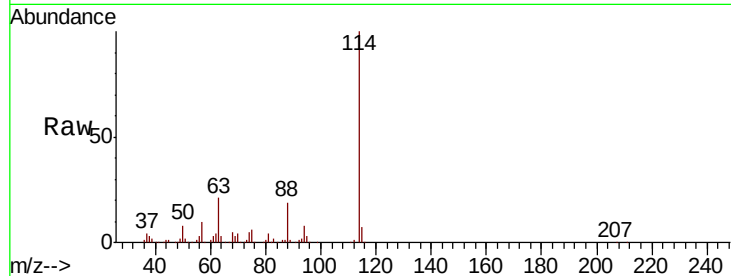




#39
Methylcyclohexane
Concen: 1.467 ug/l
RT: 5.78 min Scan# 533
Delta R.T. 0.14 min
Lab File: VF060044.D
Acq: 22 Aug 2018 17:09

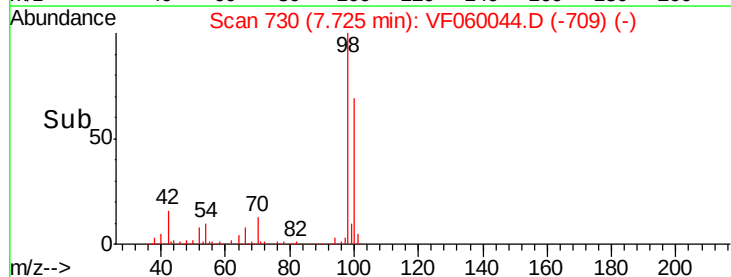
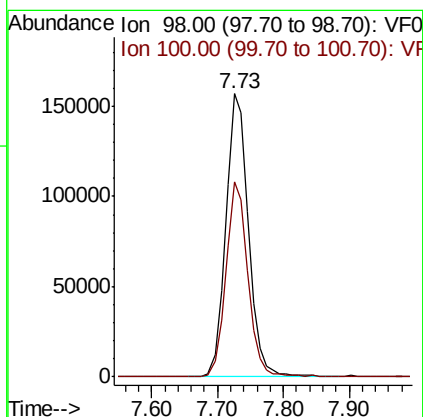
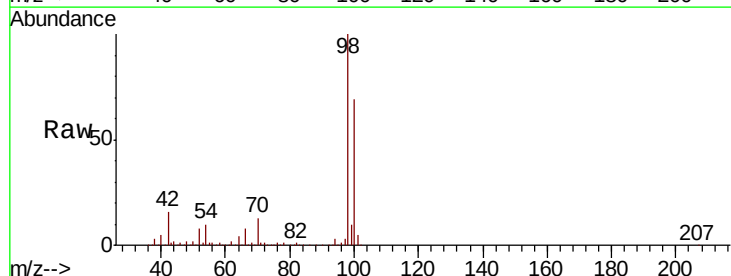
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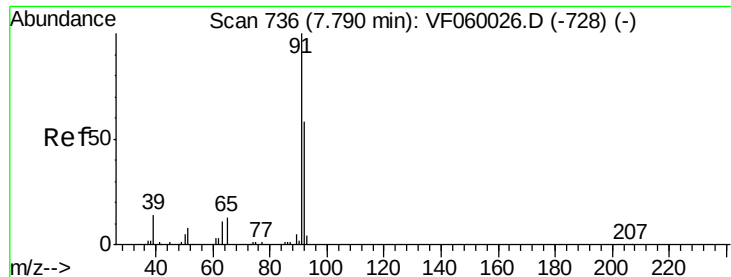
Tgt Ion: 83 Resp: 4730
Ion Ratio Lower Upper
83 100
55 36.4 62.7 94.1#
98 0.0 33.8 50.8#



#50
Toluene-d8
Concen: 46.415 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.00 min
Lab File: VF060044.D
Acq: 22 Aug 2018 17:09

Tgt Ion: 98 Resp: 378891
Ion Ratio Lower Upper
98 100
100 69.1 53.2 79.8





#52

Toluene

Concen: Below Cal

RT: 7.80 min Scan# 738

Delta R.T. 0.02 min

Lab File: VF060044.D

Acq: 22 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

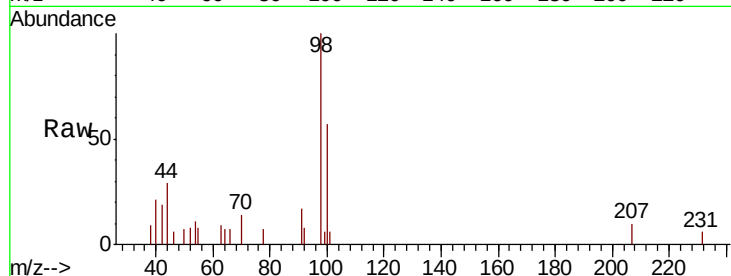
CL-01-082018-E

Tgt Ion: 92 Resp: 85

Ion Ratio Lower Upper

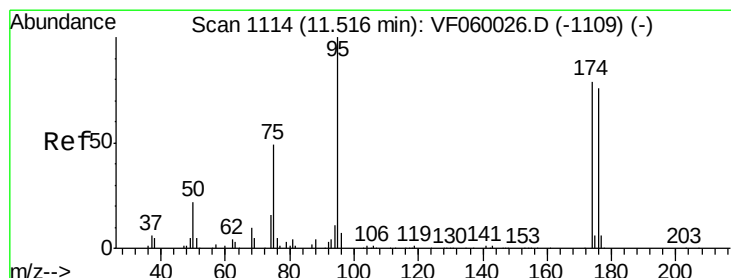
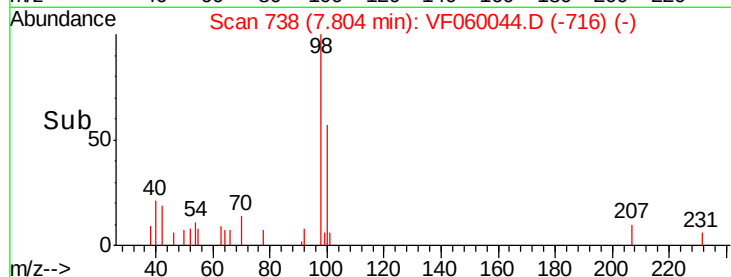
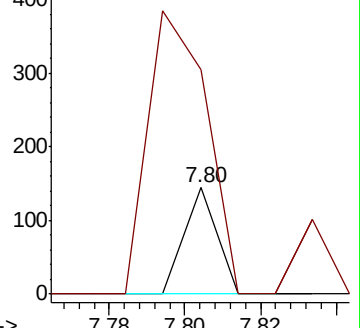
92 100

91 211.1 137.7 206.5#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#62

4-Bromofluorobenzene

Concen: 46.721 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VF060044.D

Acq: 22 Aug 2018 17:09

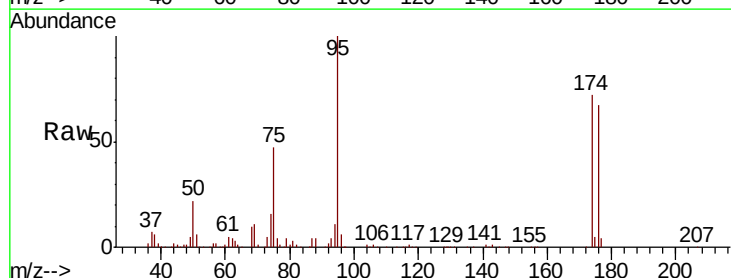
Tgt Ion: 95 Resp: 201754

Ion Ratio Lower Upper

95 100

174 71.7 0.0 158.4

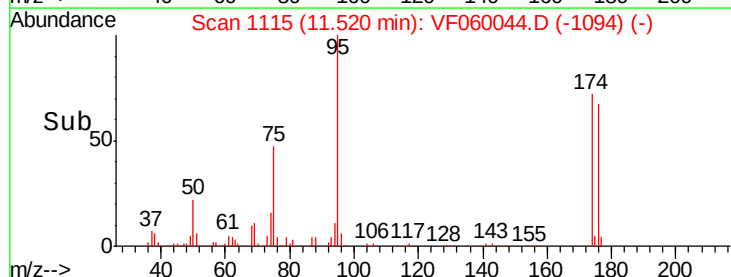
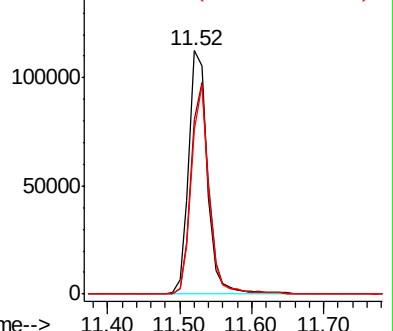
176 67.3 0.0 153.0

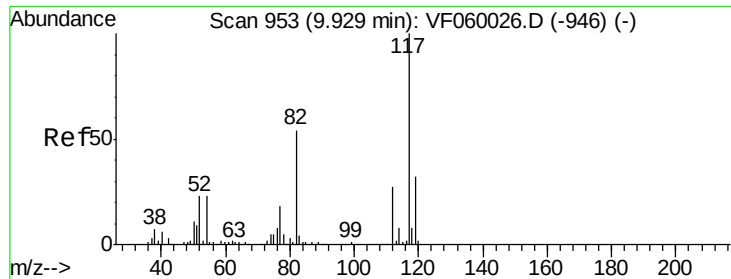


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

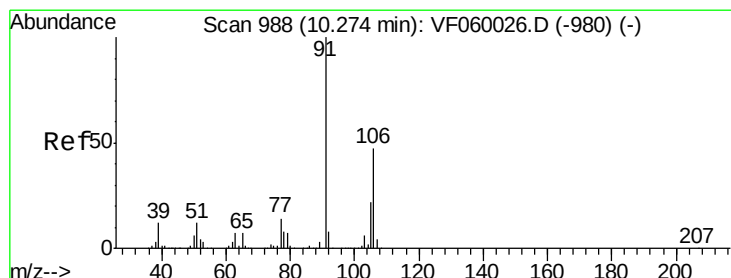
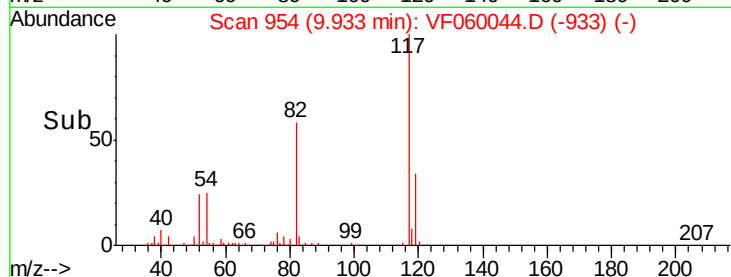
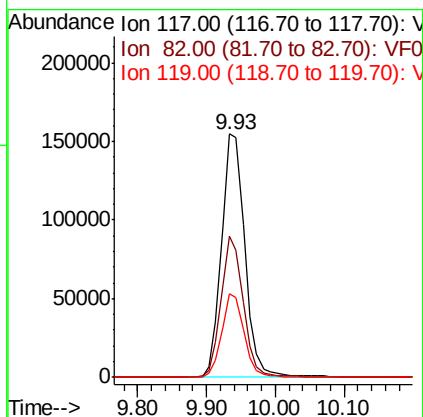
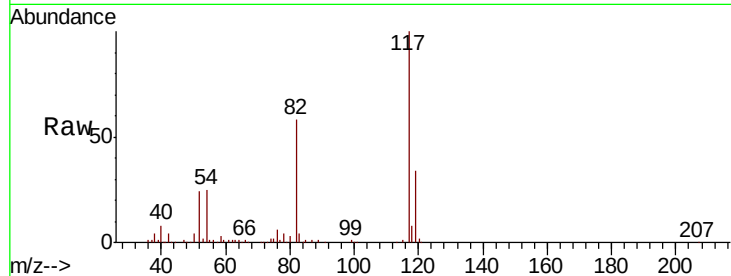




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF060044.D
Acq: 22 Aug 2018 17:09

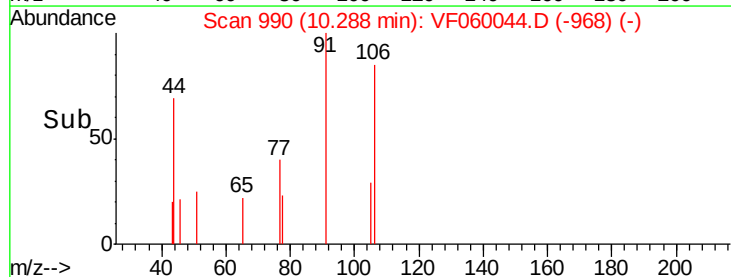
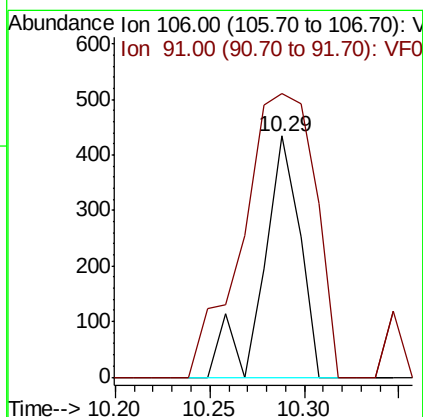
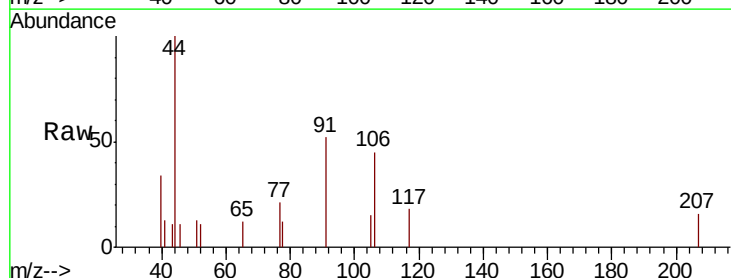
Instrument :
MSVOA_F
ClientSampleId :
CL-01-082018-E

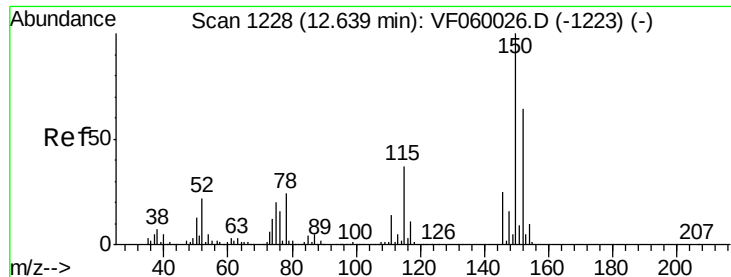
Tgt Ion:117 Resp: 365426
Ion Ratio Lower Upper
117 100
82 57.8 43.6 65.4
119 34.3 25.6 38.4



#68
m/p-Xylenes
Concen: Below Cal
RT: 10.29 min Scan# 990
Delta R.T. 0.02 min
Lab File: VF060044.D
Acq: 22 Aug 2018 17:09

Tgt Ion:106 Resp: 589
Ion Ratio Lower Upper
106 100
91 117.5 171.8 257.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VF060044.D

Acq: 22 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

CL-01-082018-E

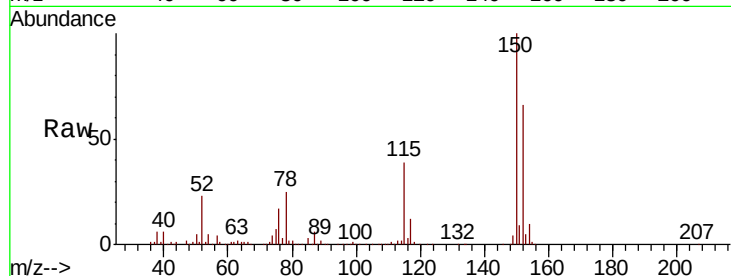
Tgt Ion:152 Resp: 201856

Ion Ratio Lower Upper

152 100

115 60.1 28.6 85.9

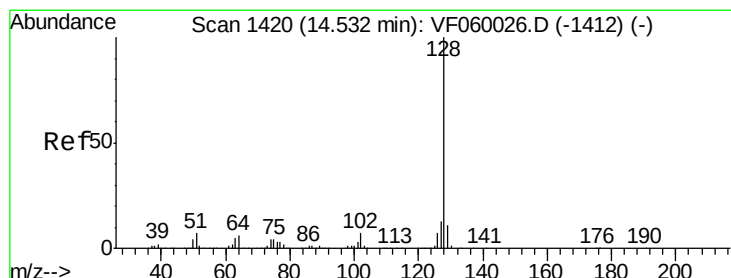
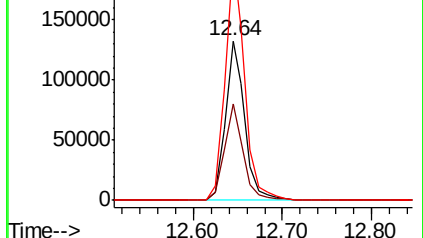
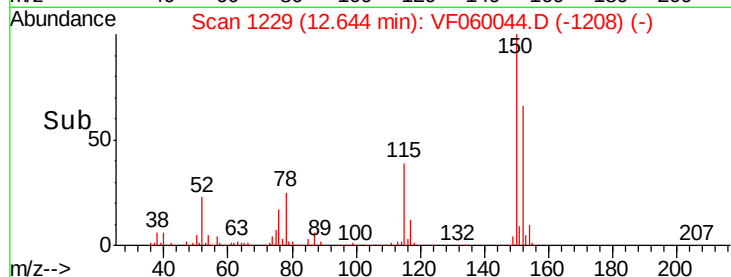
150 152.6 0.0 312.0



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: 7.016 ug/l

RT: 14.54 min Scan# 1421

Delta R.T. 0.01 min

Lab File: VF060044.D

Acq: 22 Aug 2018 17:09

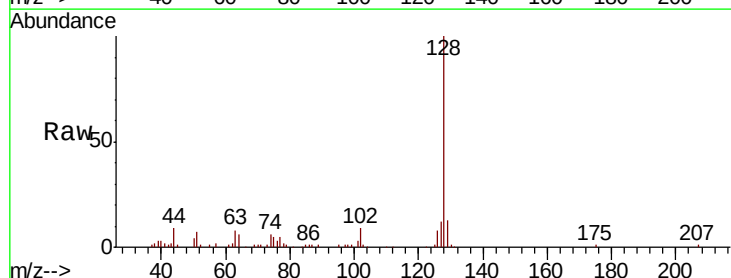
Tgt Ion:128 Resp: 37212

Ion Ratio Lower Upper

128 100

127 12.0 10.4 15.6

129 12.9 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

