

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082718\
 Data File : VF060123.D
 Acq On : 27 Aug 2018 14:23
 Operator : VA/AP
 Sample : J4646-02
 Misc : 5.27g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 27 15:21:44 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	5.04	168	163260	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	235150	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	223671	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.64	152	125589	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	71319	31.92	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	63.84%	
35) Dibromofluoromethane	4.28	113	72957	39.51	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	79.02%	
50) Toluene-d8	7.71	98	217050	41.39	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	82.78%	
62) 4-Bromofluorobenzene	11.51	95	98901	35.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.30%	

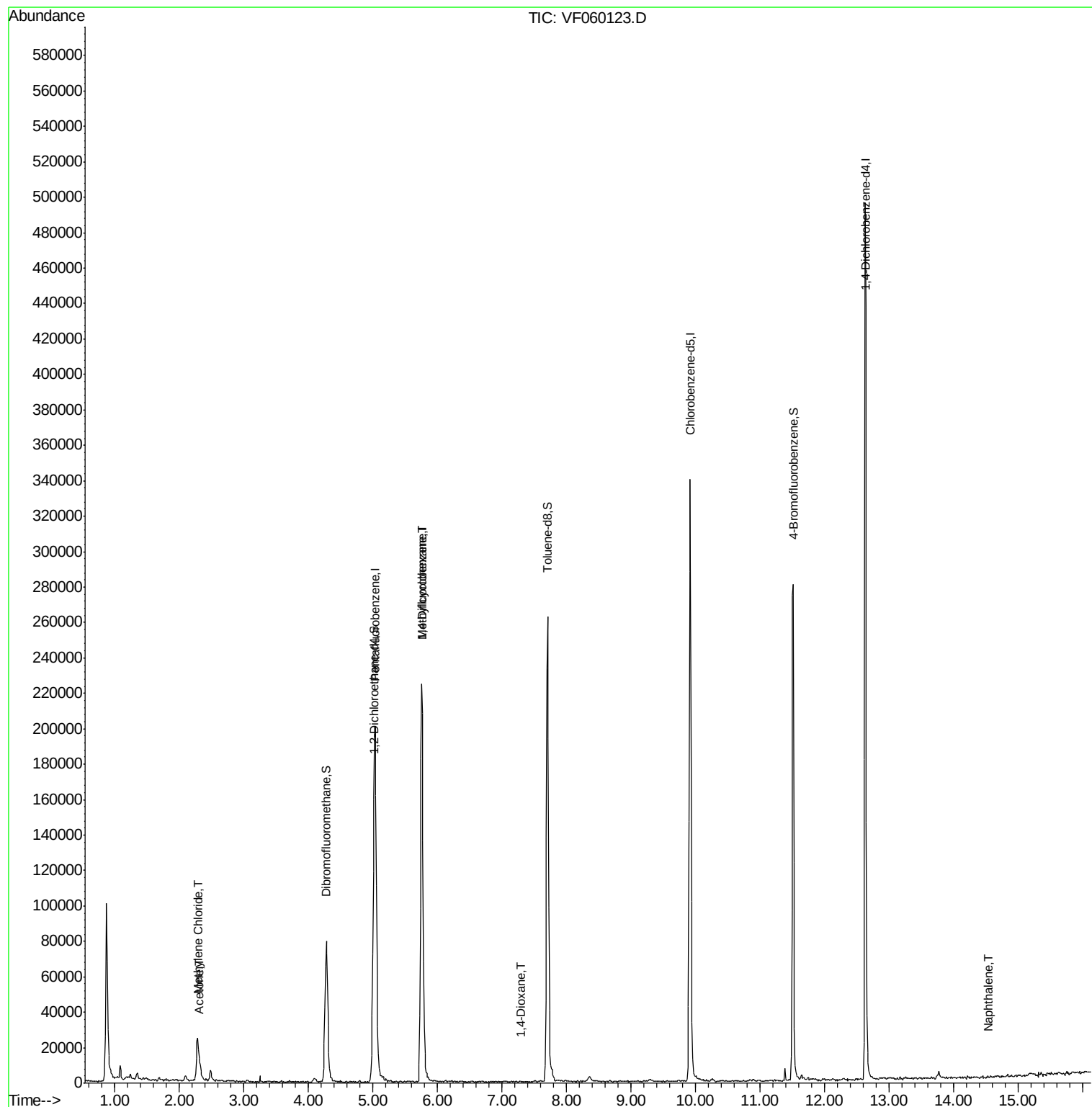
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.08	50	591	Below Cal	#	86
16) Acetone	2.31	43	7016	11.947	ug/l #	90
18) Methyl Acetate	2.48	43	2697	Below Cal	#	60
20) Methylene Chloride	2.29	84	14288	8.054	ug/l	84
39) Methylcyclohexane	5.75	83	4064	1.961	ug/l #	42
49) 1,4-Dioxane	7.28	88	60	5.678	ug/l #	28
52) Toluene	7.78	92	1490	Below Cal	#	66
68) m/p-Xylenes	10.28	106	343	Below Cal	#	16
95) Naphthalene	14.53	128	425	2.373	ug/l #	69

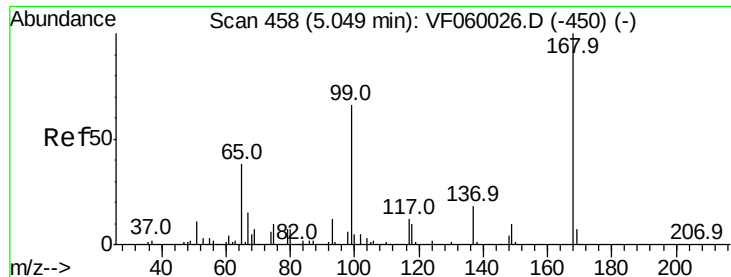
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_F
ClientSampleId :

Quant Time: Aug 27 15:21:44 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF060123.D

Acq: 27 Aug 2018 14:23

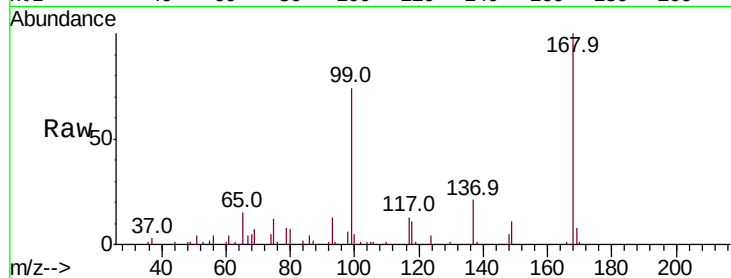
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 163260

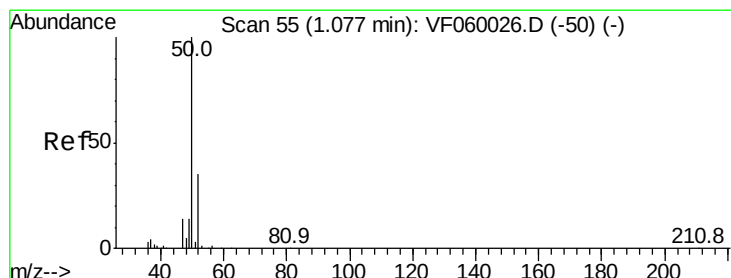
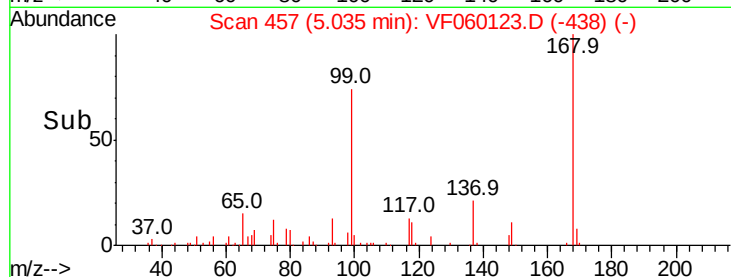
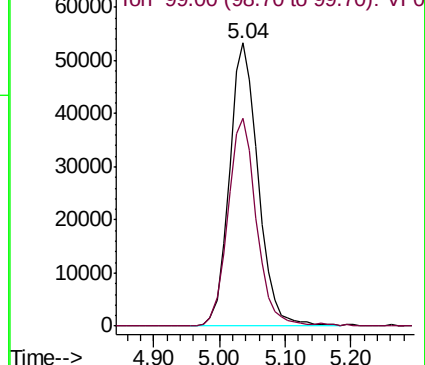
Ion Ratio Lower Upper

168 100

99 73.7 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0



#3

Chloromethane

Concen: Below Cal

RT: 1.08 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF060123.D

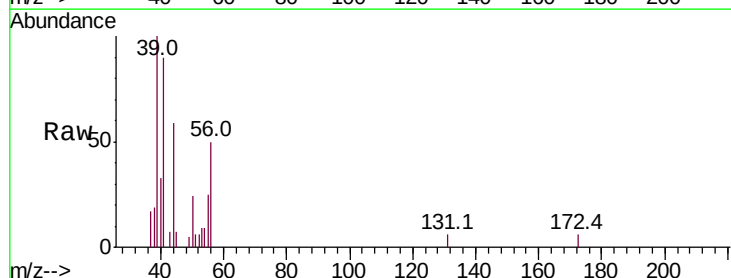
Acq: 27 Aug 2018 14:23

Tgt Ion: 50 Resp: 591

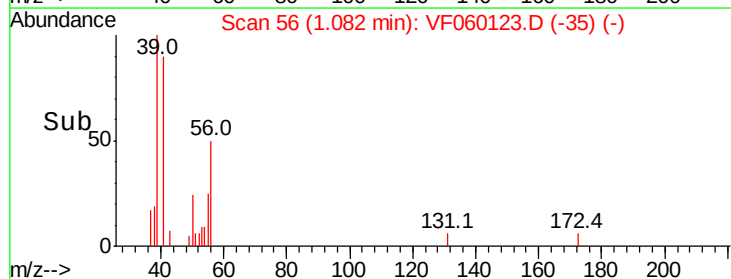
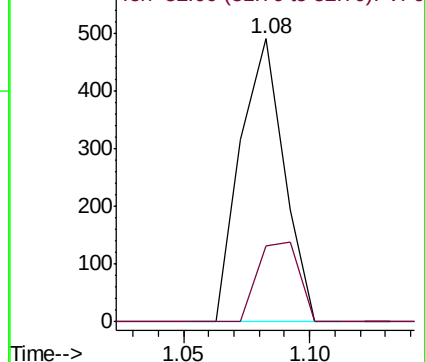
Ion Ratio Lower Upper

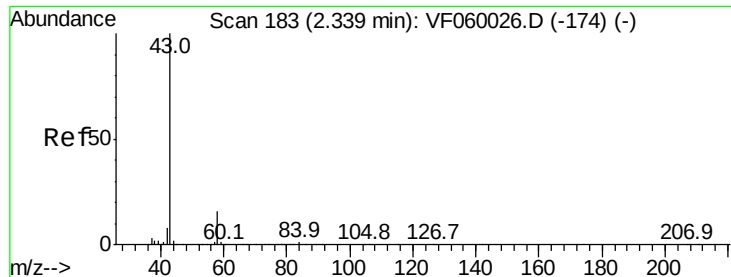
50 100

52 26.7 27.6 41.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

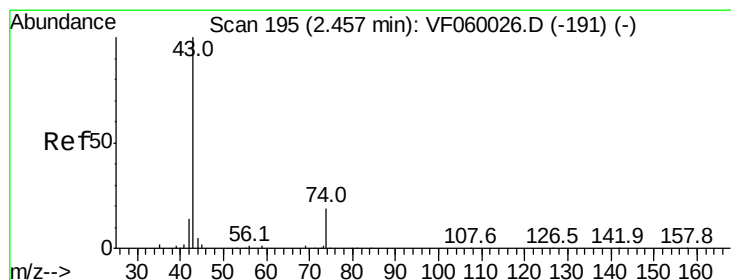
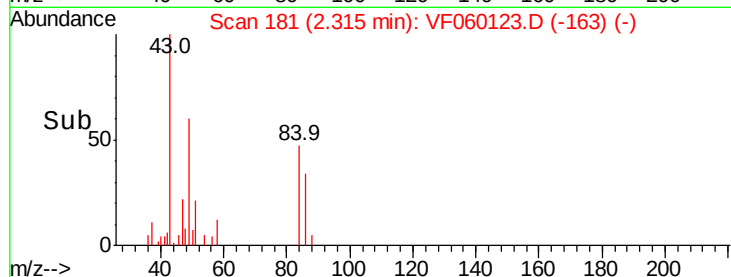
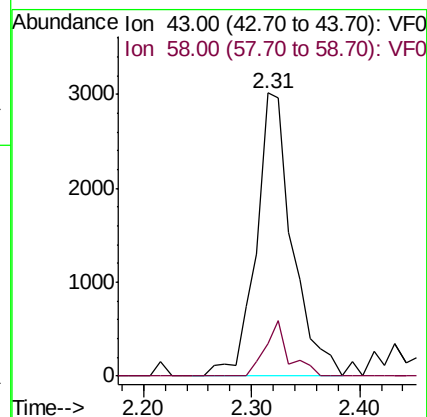
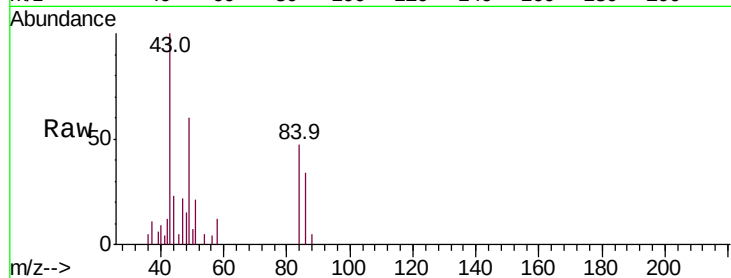




#16
Acetone
Concen: 11.947 ug/l
RT: 2.31 min Scan# 181
Delta R.T. -0.02 min
Lab File: VF060123.D
Acq: 27 Aug 2018 14:23

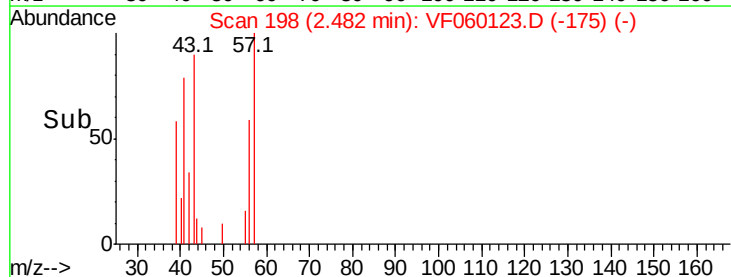
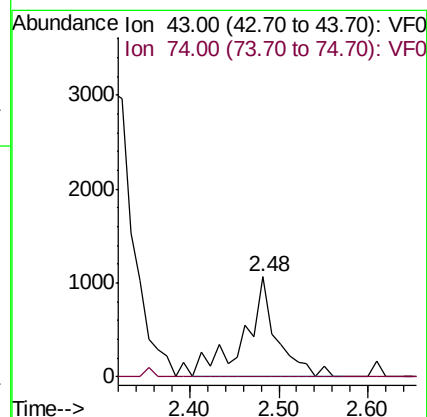
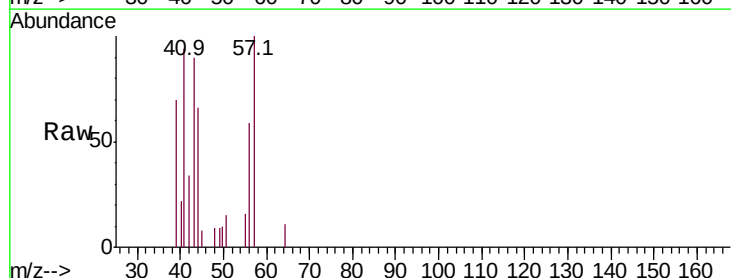
Instrument :
MSVOA_F
ClientSampleId :

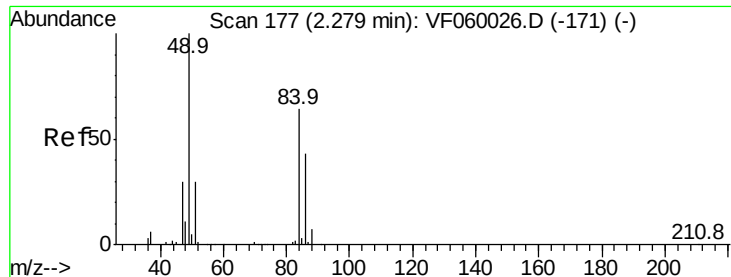
Tot Ion: 43 Resp: 7016
Ion Ratio Lower Upper
43 100
58 11.7 12.6 19.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.48 min Scan# 198
Delta R.T. 0.03 min
Lab File: VF060123.D
Acq: 27 Aug 2018 14:23

Tgt Ion: 43 Resp: 2697
Ion Ratio Lower Upper
43 100
74 0.0 13.8 20.6#

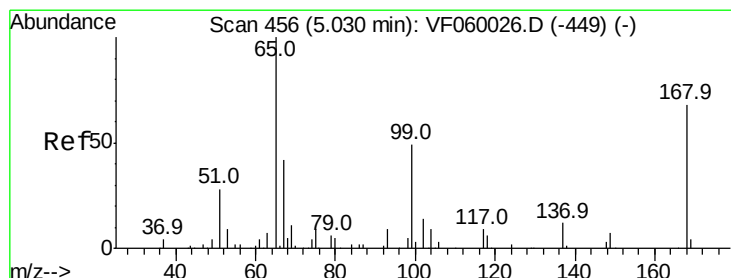
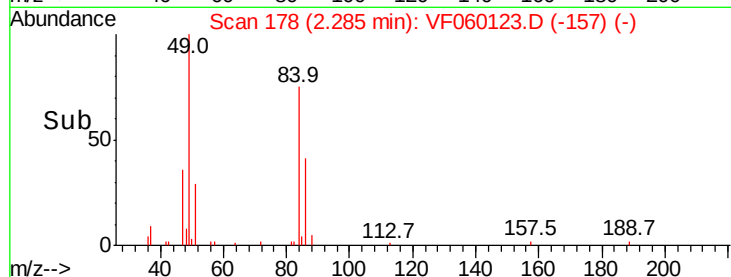
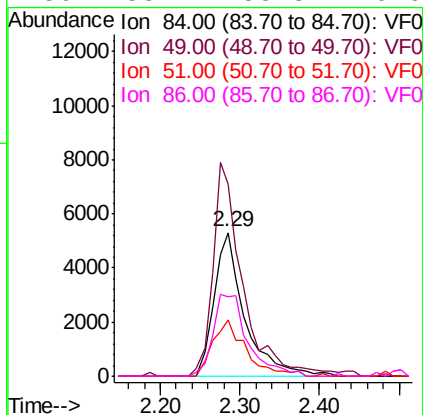
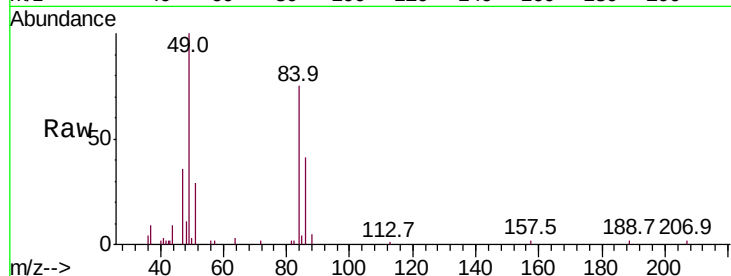




#20
Methylene Chloride
Concen: 8.054 ug/l
RT: 2.29 min Scan# 178
Delta R.T. 0.01 min
Lab File: VF060123.D
Acq: 27 Aug 2018 14:23

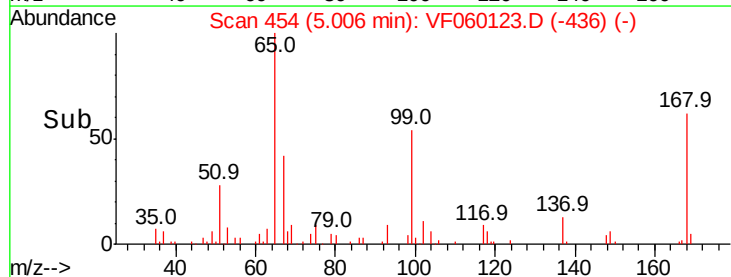
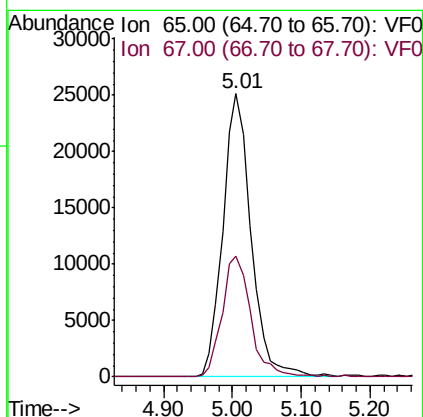
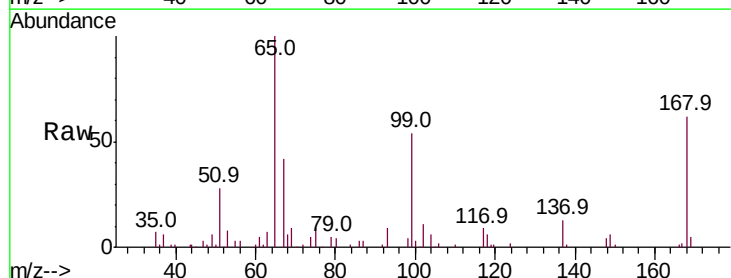
Instrument :
MSVOA_F
ClientSampleId :

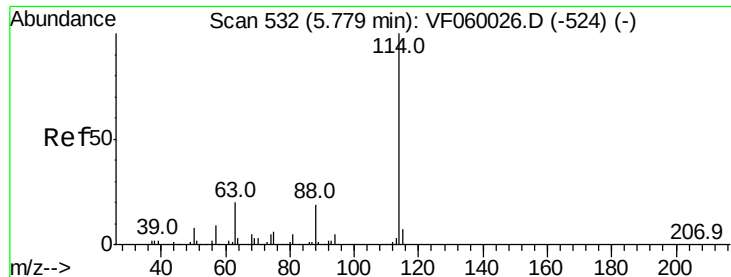
Tot Ion: 84 Resp: 14288
Ion Ratio Lower Upper
84 100
49 134.0 125.4 188.0
51 39.0 38.3 57.5
86 55.2 53.3 79.9



#33
1,2-Dichloroethane-d4
Concen: 31.918 ug/l
RT: 5.01 min Scan# 454
Delta R.T. -0.02 min
Lab File: VF060123.D
Acq: 27 Aug 2018 14:23

Tgt Ion: 65 Resp: 71319
Ion Ratio Lower Upper
65 100
67 42.5 0.0 92.0

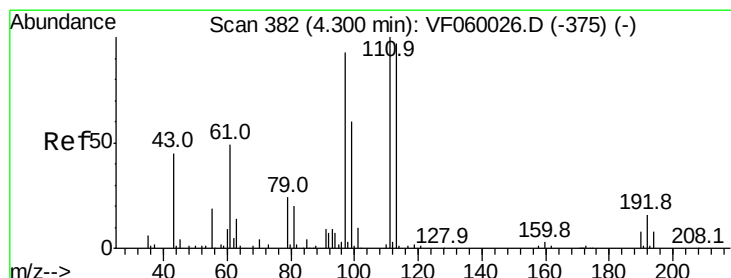
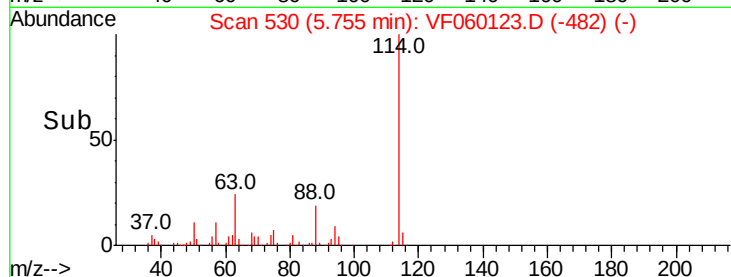
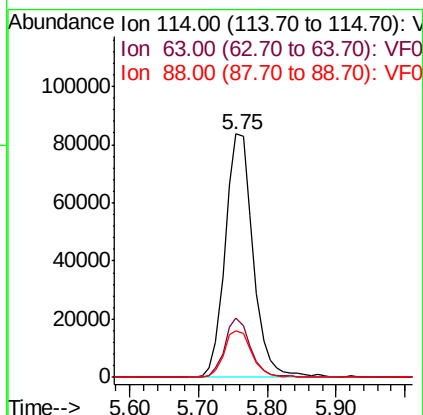
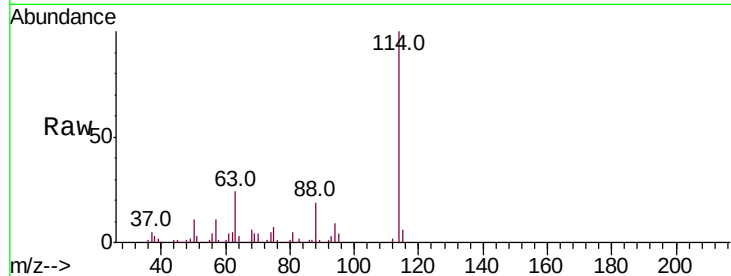




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VF060123.D
 Acq: 27 Aug 2018 14:23

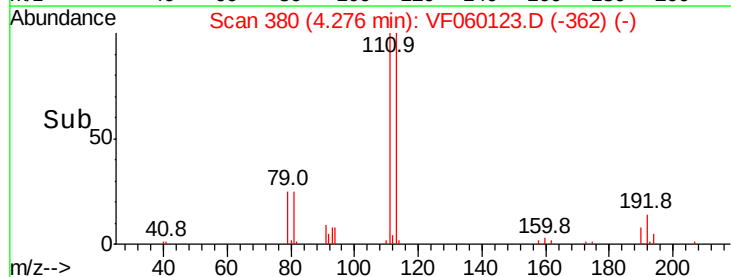
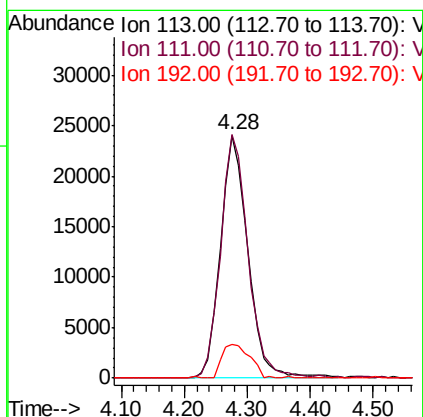
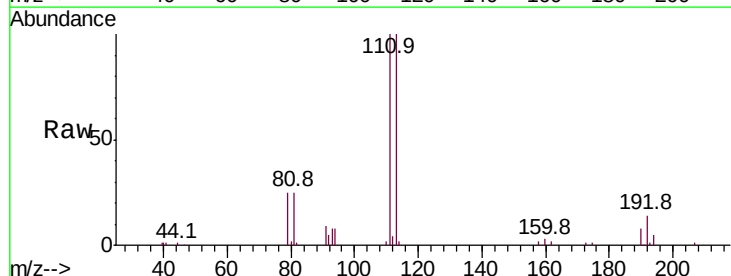
Instrument :
 MSVOA_F
 ClientSampled :

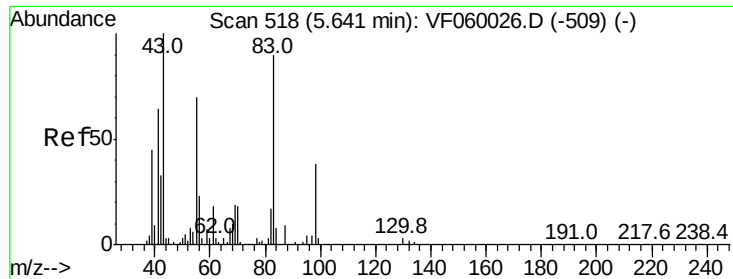
Tot Ion:114	Resp:	235150
Ion Ratio	Lower	Upper
114 100		
63 24.3	0.0	40.4
88 19.3	0.0	38.6



#35
 Dibromofluoromethane
 Concen: 39.511 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. -0.02 min
 Lab File: VF060123.D
 Acq: 27 Aug 2018 14:23

Tgt Ion:113	Resp:	72957
Ion Ratio	Lower	Upper
113 100		
111 100.3	82.7	124.1
192 14.0	13.0	19.4

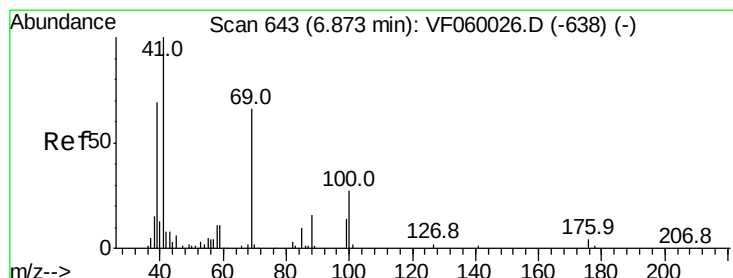
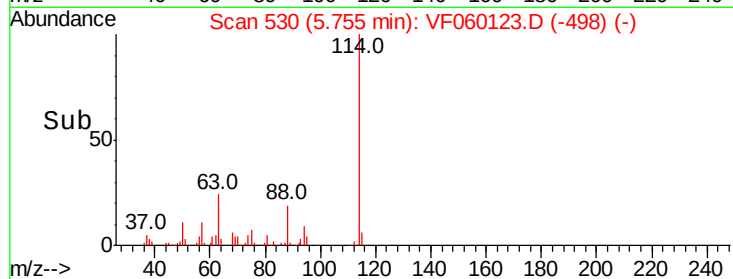
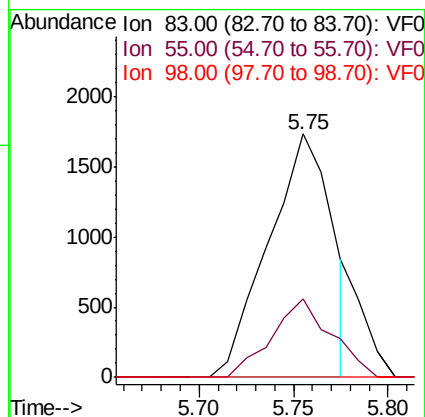
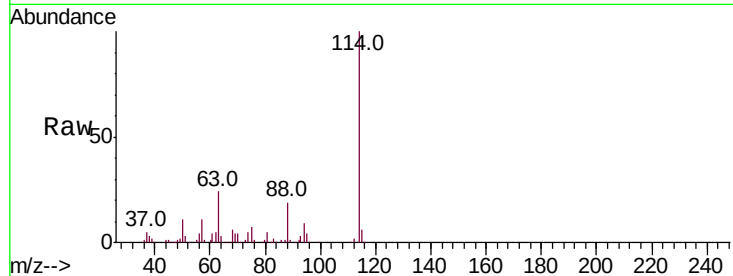




#39
Methylcyclohexane
Concen: 1.961 ug/l
RT: 5.75 min Scan# 530
Delta R.T. 0.11 min
Lab File: VF060123.D
Acq: 27 Aug 2018 14:23

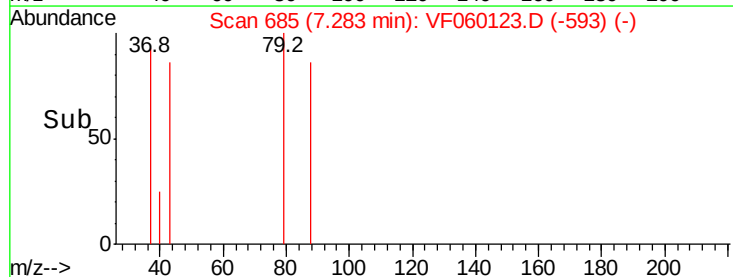
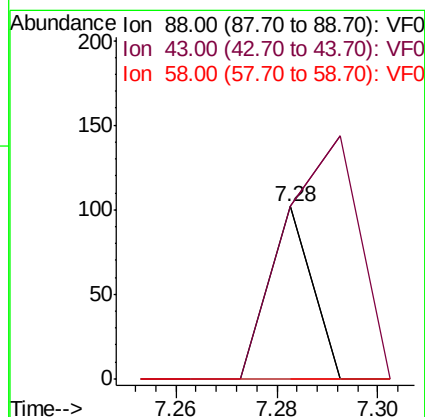
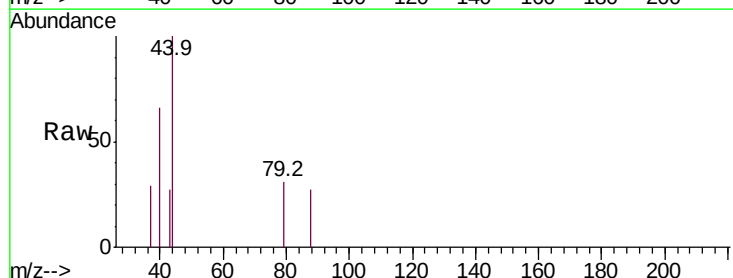
Instrument :
MSVOA_F
ClientSampleId :

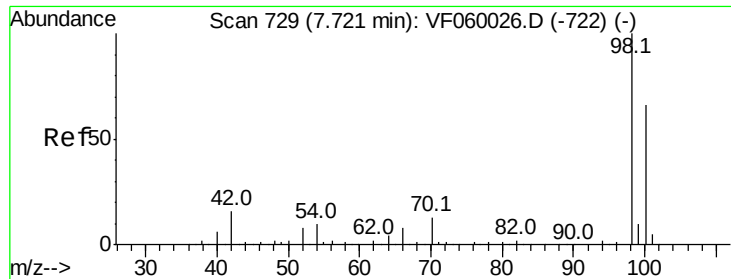
Tot Ion: 83 Resp: 4064
Ion Ratio Lower Upper
83 100
55 32.3 62.7 94.1#
98 0.0 33.8 50.8#



#49
1,4-Dioxane
Concen: 5.678 ug/l
RT: 7.28 min Scan# 685
Delta R.T. 0.41 min
Lab File: VF060123.D
Acq: 27 Aug 2018 14:23

Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 100.0 46.5 69.7#
58 0.0 54.8 82.2#

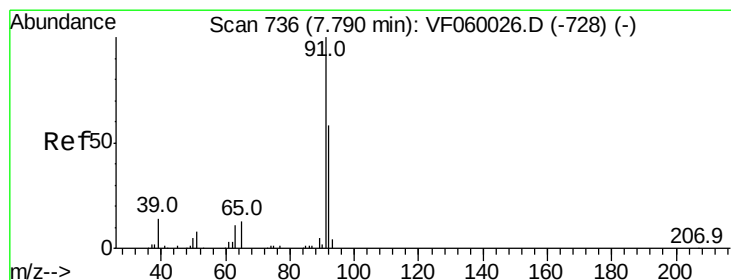
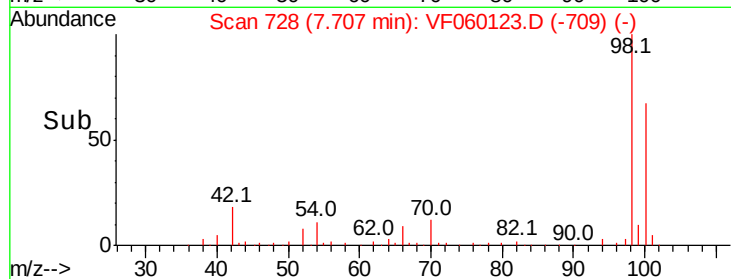
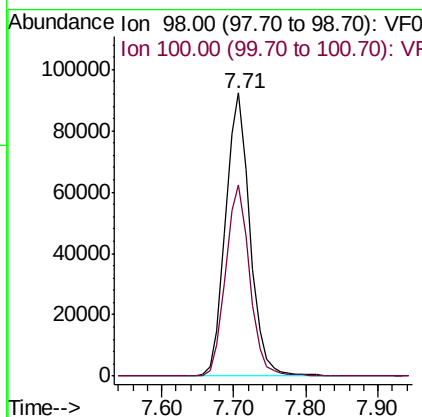
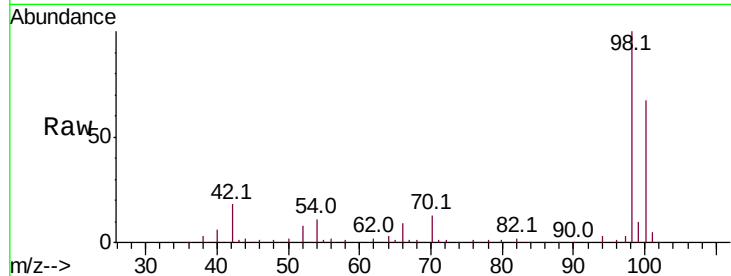




#50
Toluene-d8
Concen: 41.389 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF060123.D
Acq: 27 Aug 2018 14:23

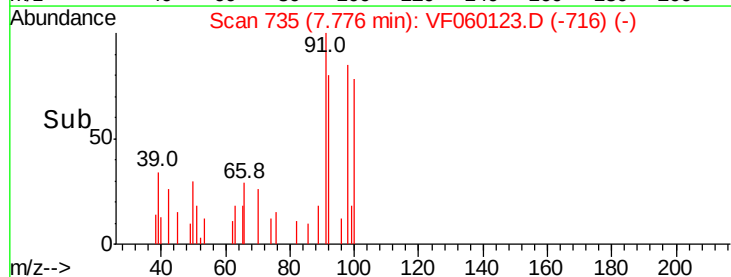
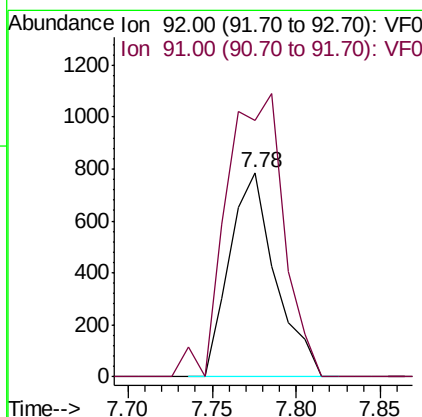
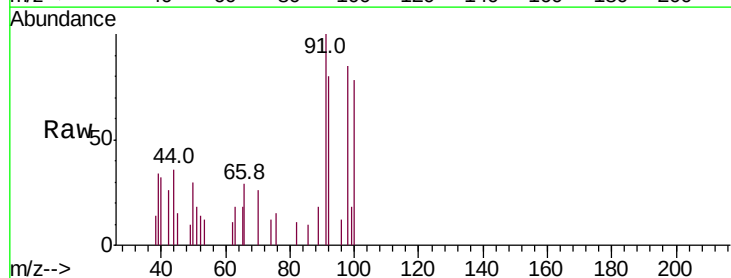
Instrument :
MSVOA_F
ClientSampled :

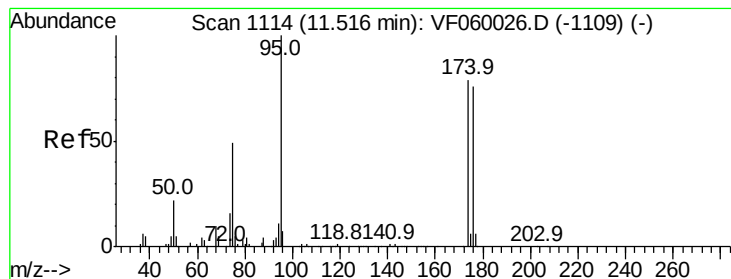
Tot Ion: 98 Resp: 217050
Ion Ratio Lower Upper
98 100
100 67.5 53.2 79.8



#52
Toluene
Concen: Below Cal
RT: 7.78 min Scan# 735
Delta R.T. -0.01 min
Lab File: VF060123.D
Acq: 27 Aug 2018 14:23

Tgt Ion: 92 Resp: 1490
Ion Ratio Lower Upper
92 100
91 125.6 137.7 206.5#





#62

4-Bromofluorobenzene

Concen: 35.651 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF060123.D

Acq: 27 Aug 2018 14:23

Instrument :

MSVOA_F

ClientSampleId :

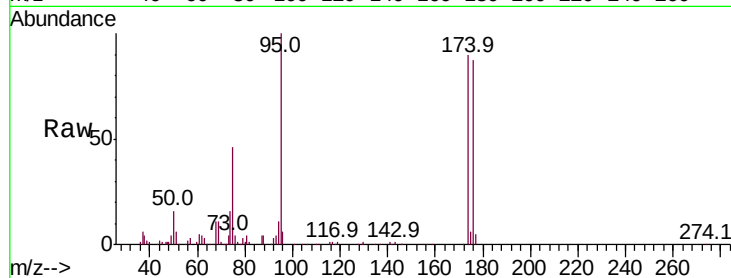
Tot Ion: 95 Resp: 98901

Ion Ratio Lower Upper

95 100

174 89.5 0.0 158.4

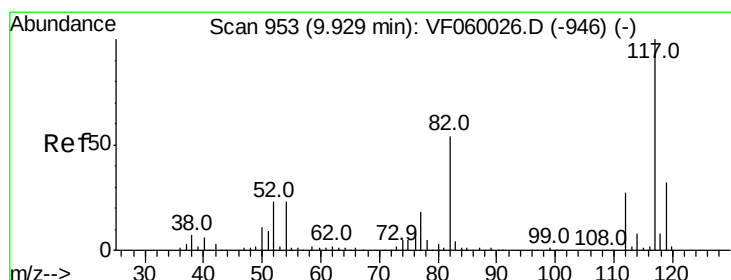
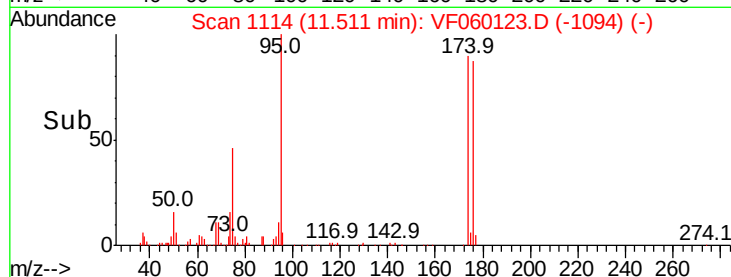
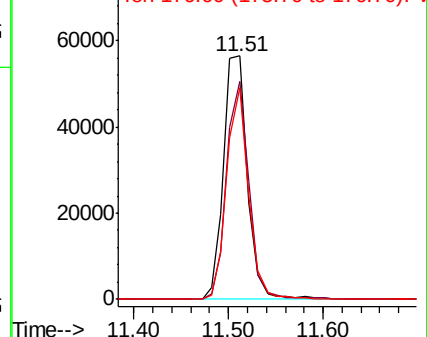
176 86.9 0.0 153.0



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: 9.91 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF060123.D

Acq: 27 Aug 2018 14:23

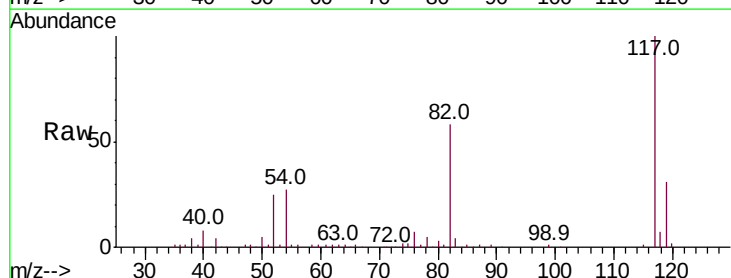
Tgt Ion: 117 Resp: 223671

Ion Ratio Lower Upper

117 100

82 57.6 43.6 65.4

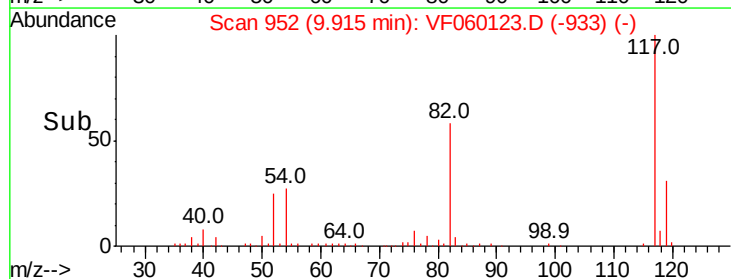
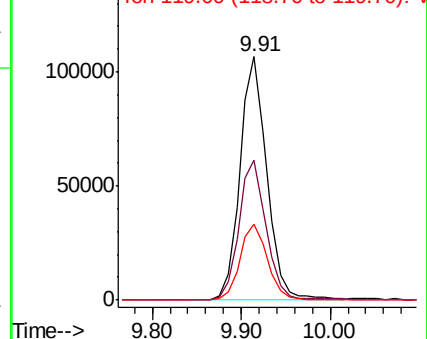
119 31.0 25.6 38.4

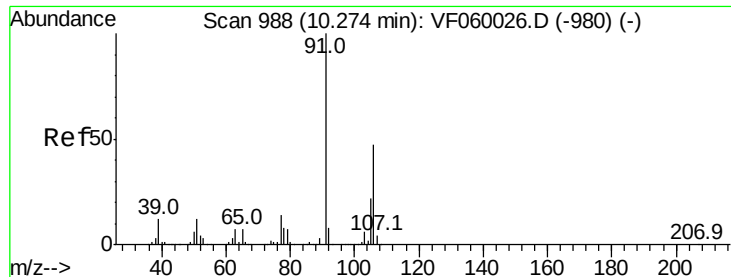


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

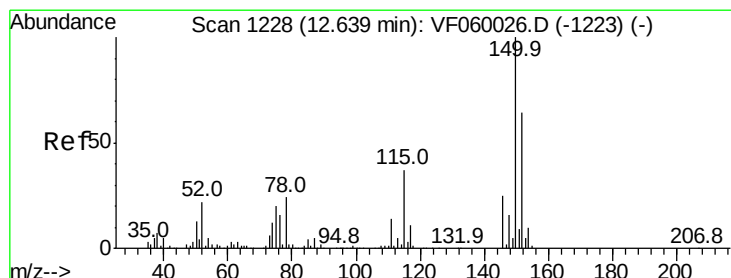
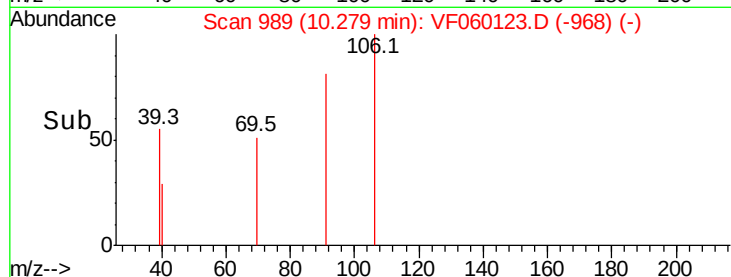
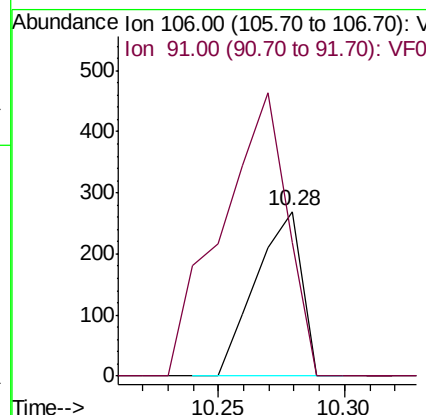
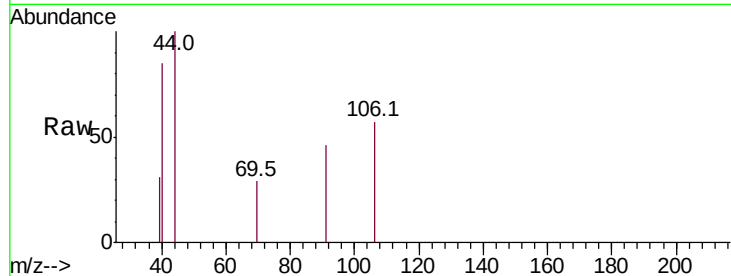




#68
m/p-Xvlenes
Concen: Below Cal
RT: 10.28 min Scan# 989
Delta R.T. 0.01 min
Lab File: VF060123.D
Acq: 27 Aug 2018 14:23

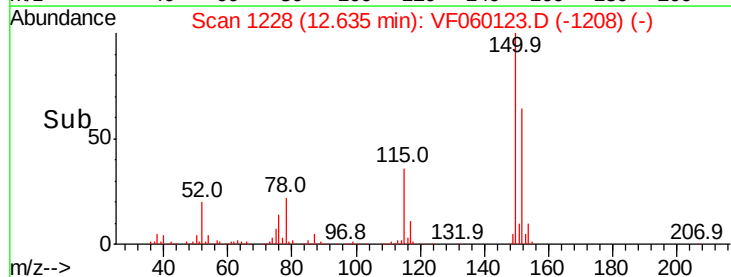
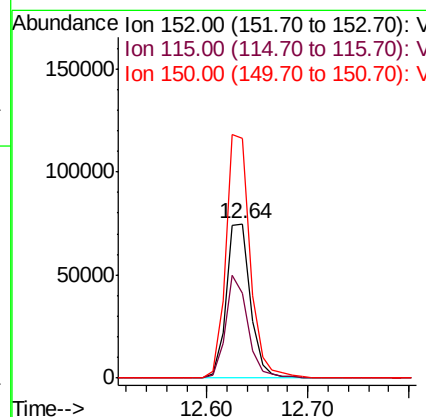
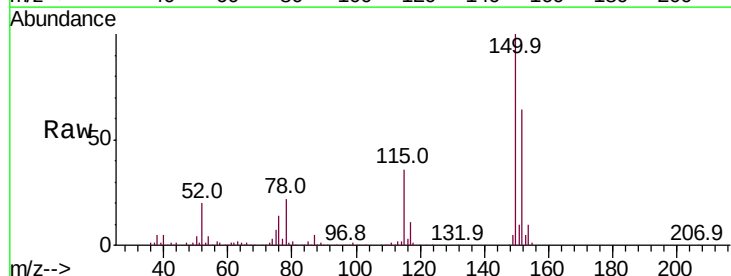
Instrument :
MSVOA_F
ClientSampled :

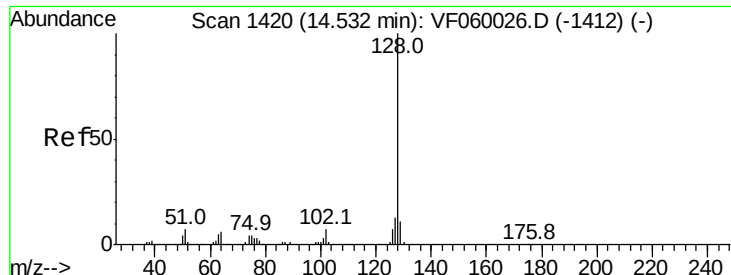
Tot Ion:106 Resp: 343
Ion Ratio Lower Upper
106 100
91 81.0 171.8 257.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VF060123.D
Acq: 27 Aug 2018 14:23

Tgt Ion:152 Resp: 125589
Ion Ratio Lower Upper
152 100
115 55.1 28.6 85.9
150 155.3 0.0 312.0

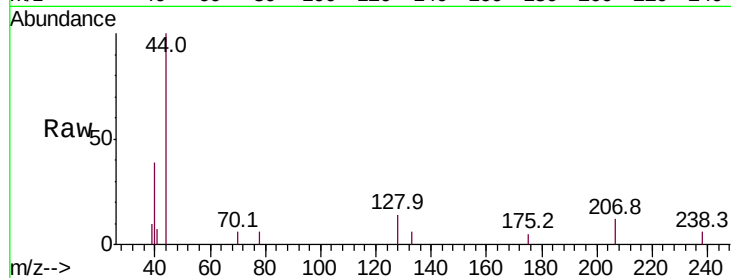




#95
Naphthalene
Concen: 2.373 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VF060123.D
Acq: 27 Aug 2018 14:23

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	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

