

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
 Data File : VF060011.D
 Acq On : 20 Aug 2018 19:24
 Operator : VA/AP
 Sample : J4498-01
 Misc : 5.05µ/5mL/MSVOA F/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CARLSTADT-BACK

Quant Time: Aug 21 04:28:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:11:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	151802	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	216896	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	219992	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	139390	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	140590	47.98	ug/l	0.00
Spiked Amount						
			Recovery	=	95.96%	
35) Dibromofluoromethane	4.29	113	130401	58.83	ug/l	-0.01
Spiked Amount						
			Recovery	=	117.66%	
50) Toluene-d8	7.71	98	233903	47.45	ug/l	0.00
Spiked Amount						
			Recovery	=	94.90%	
62) 4-Bromofluorobenzene	11.52	95	132779	43.89	ug/l	0.00
Spiked Amount						
			Recovery	=	87.78%	

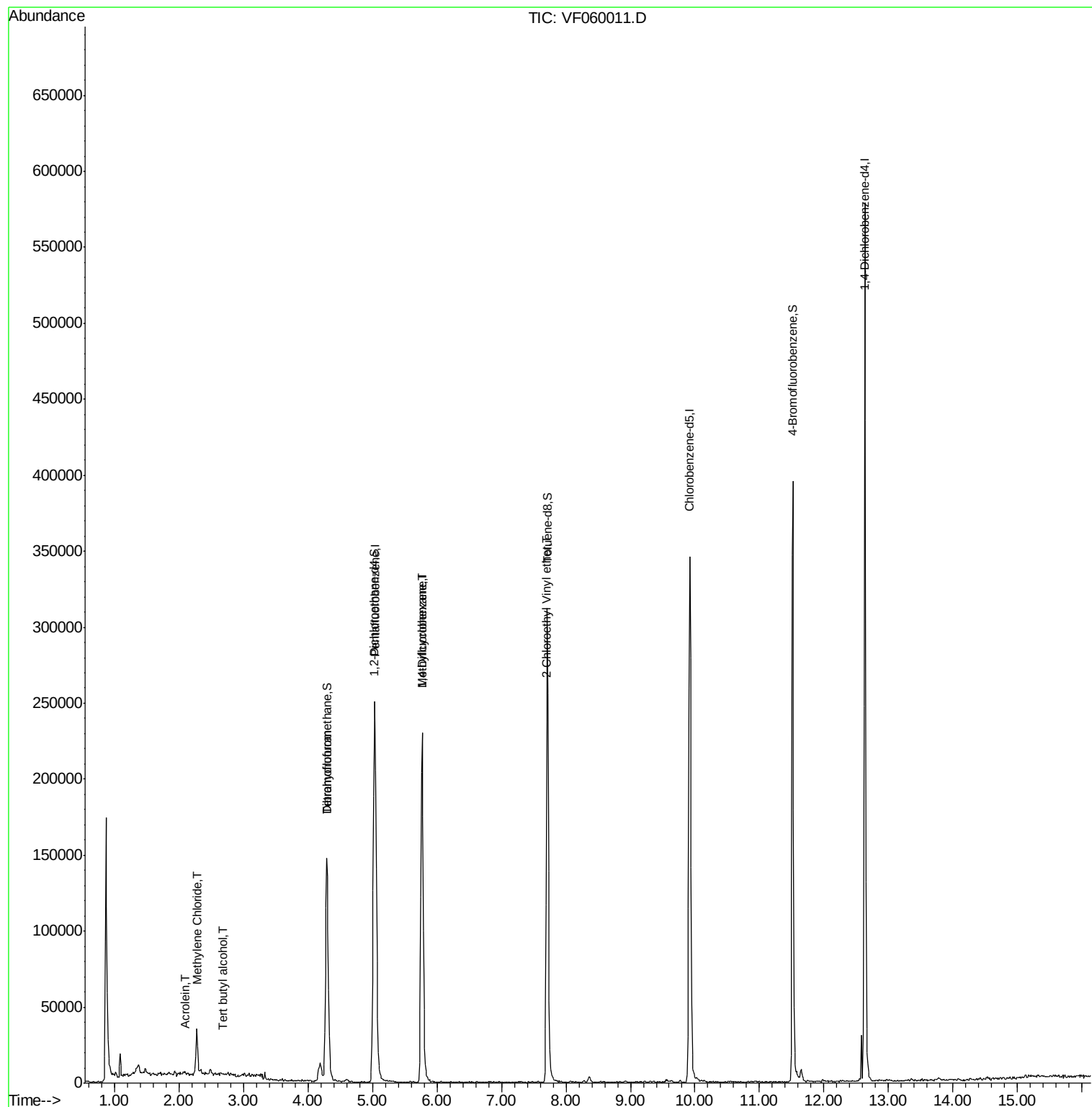
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.09	50	1720	Below Cal		91
5) Bromomethane	1.18	94	270	Below Cal		97
11) Tert butyl alcohol	2.69	59	297	1.74 ug/l	#	1
13) Acrolein	2.11	56	156	14.26 ug/l		86
16) Acetone	2.49	43	867	Below Cal		96
18) Methyl Acetate	2.42	43	213	Below Cal	#	63
20) Methylene Chloride	2.28	84	13002	4.29 ug/l		87
29) Tetrahydrofuran	4.29	42	384	1.52 ug/l	#	74
39) Methylcyclohexane	5.77	83	3614	1.95 ug/l	#	34
58) 2-Chloroethyl Vinyl ether	7.69	63	447	3.66 ug/l		100

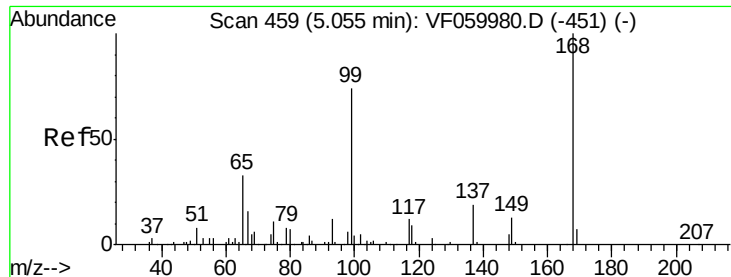
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:11:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF060011.D

Acq: 20 Aug 2018 19:24

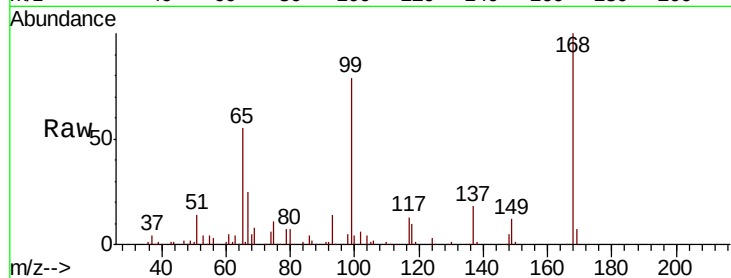
Instrument :
MSVOA_F
ClientSampleId :
CARLSTADT-BACK

Tot Ion:168 Resp: 151802

Ion Ratio Lower Upper

168 100

99 78.8 59.0 88.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

50000

40000

30000

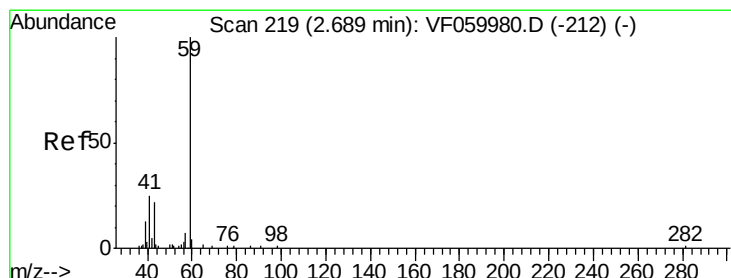
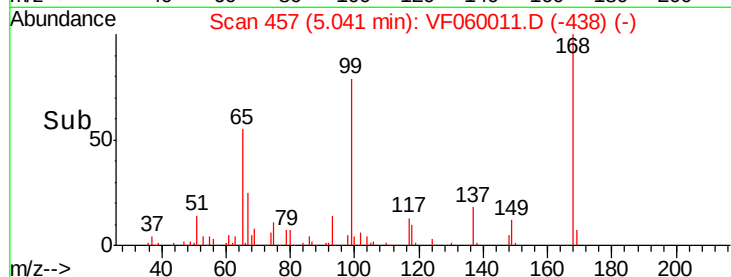
20000

10000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#11

Tert butyl alcohol

Concen: 1.74 ug/l

RT: 2.69 min Scan# 219

Delta R.T. 0.01 min

Lab File: VF060011.D

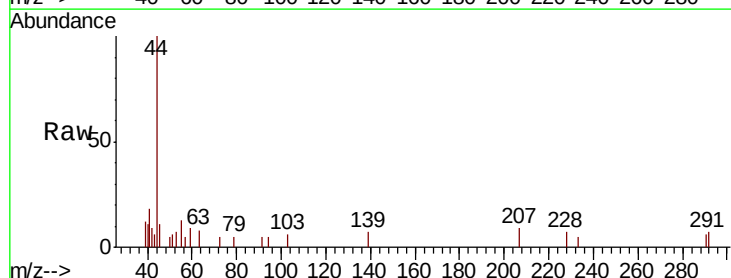
Acq: 20 Aug 2018 19:24

Tgt Ion: 59 Resp: 297

Ion Ratio Lower Upper

59 100

57 59.9 6.8 10.2#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.69

200

150

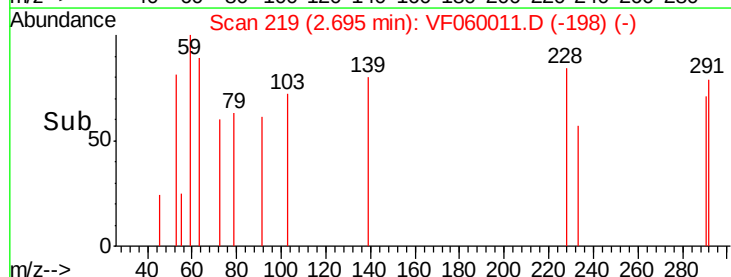
100

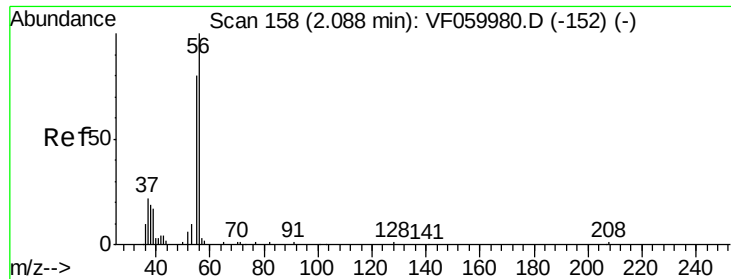
50

0

Time-->

2.65 2.70





#13

Acrolein

Concen: 14.26 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.03 min

Lab File: VF060011.D

Acq: 20 Aug 2018 19:24

Instrument :

MSVOA_F

ClientSampleId :

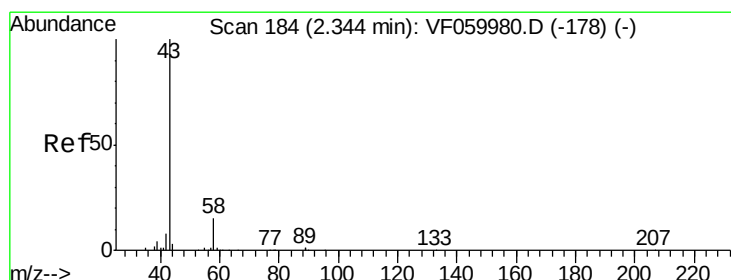
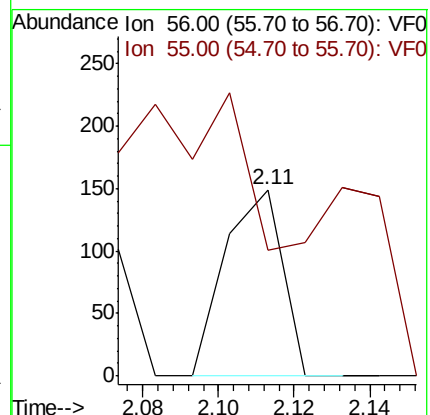
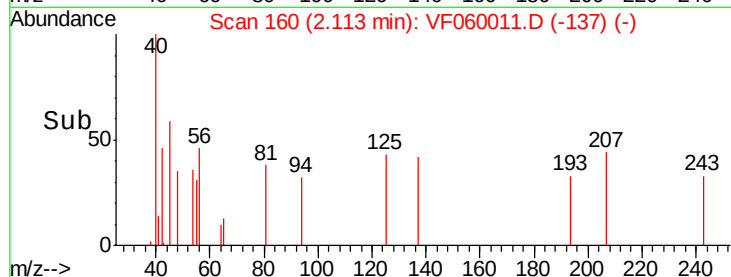
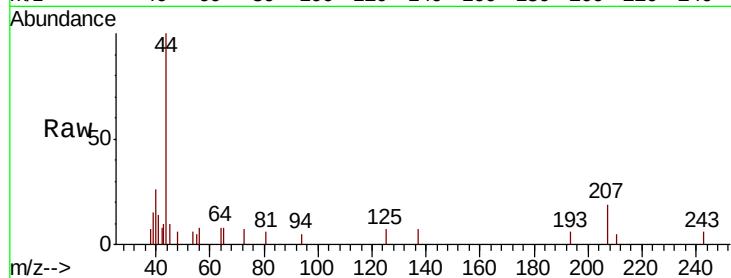
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Tot Ion: 56 Resp: 156

Ion Ratio Lower Upper

56 100

55 67.8 63.8 95.6



#16

Acetone

Concen: Below Cal

RT: 2.49 min Scan# 198

Delta R.T. 0.14 min

Lab File: VF060011.D

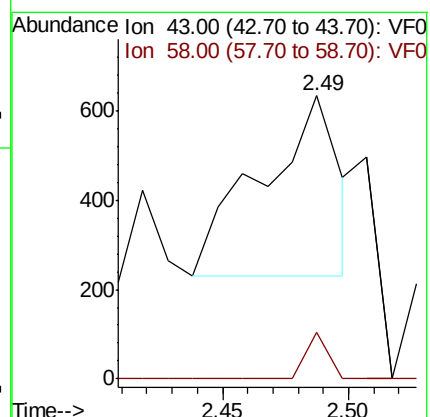
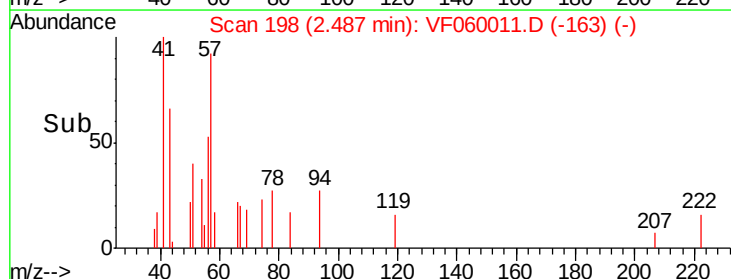
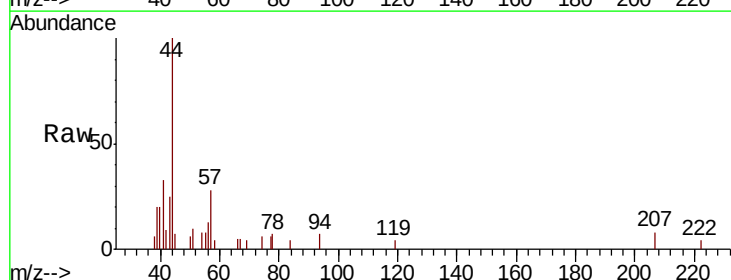
Acq: 20 Aug 2018 19:24

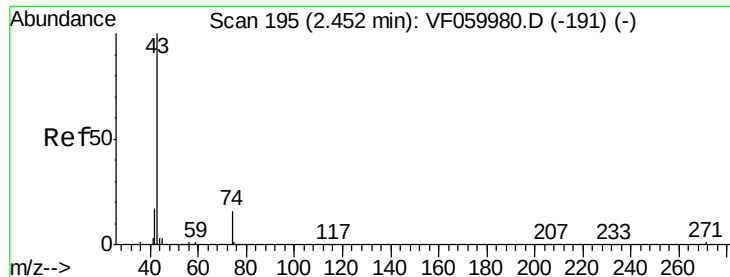
Tgt Ion: 43 Resp: 867

Ion Ratio Lower Upper

43 100

58 16.6 11.9 17.9

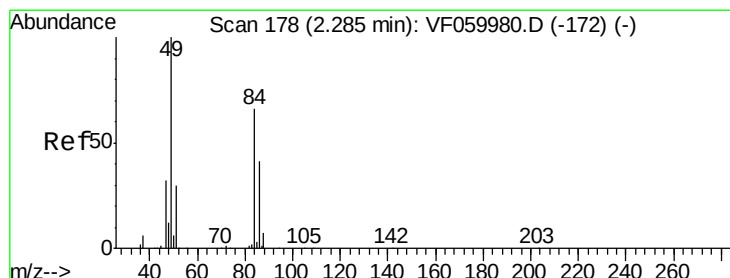
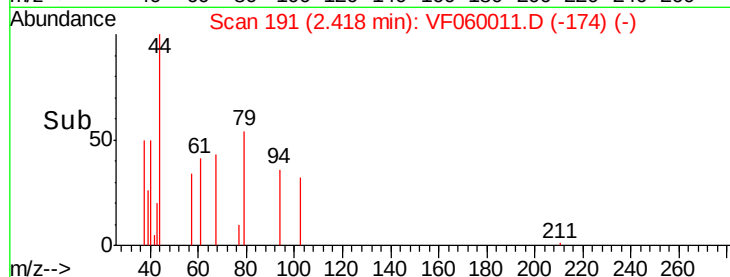
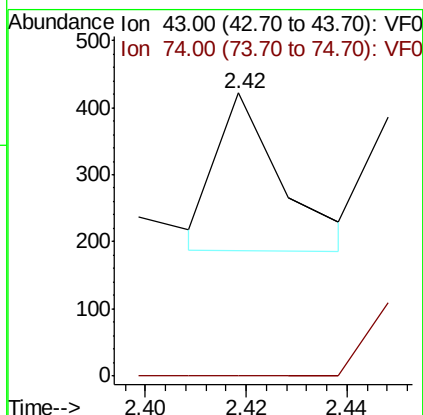
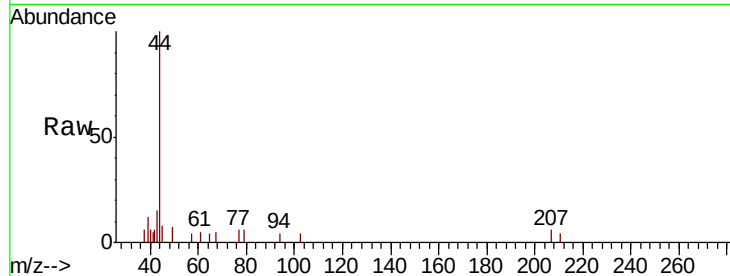




#18
Methyl Acetate
Concen: Below Cal
RT: 2.42 min Scan# 191
Delta R.T. -0.03 min
Lab File: VF060011.D
Acq: 20 Aug 2018 19:24

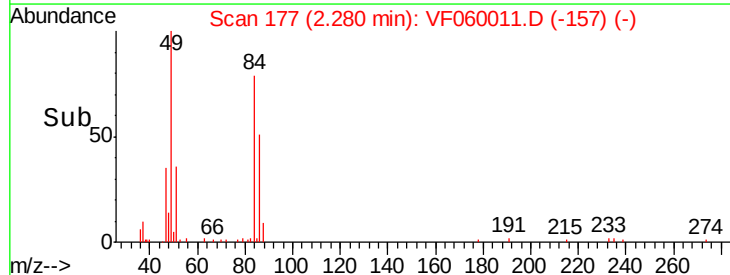
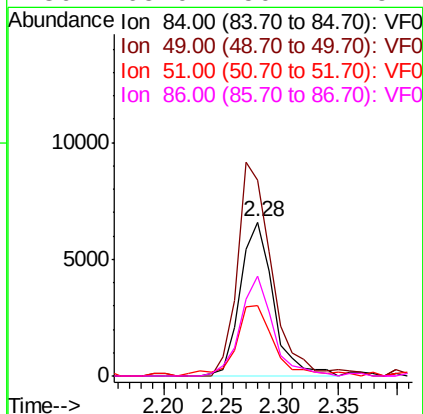
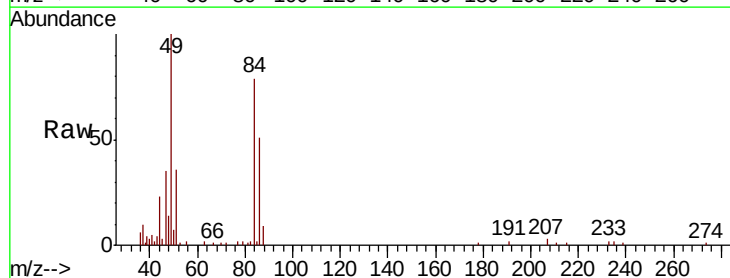
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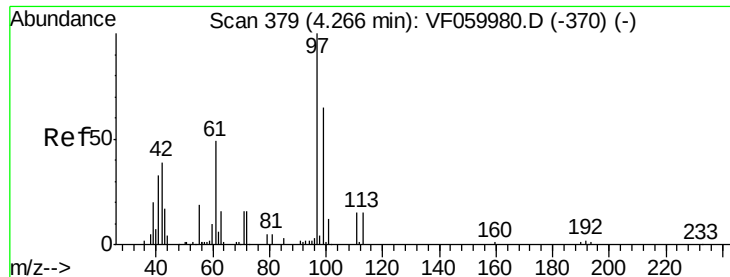
Tot Ion: 43 Resp: 213
Ion Ratio Lower Upper
43 100
74 0.0 12.3 18.5#



#20
Methylene Chloride
Concen: 4.29 ug/l
RT: 2.28 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF060011.D
Acq: 20 Aug 2018 19:24

Tgt Ion: 84 Resp: 13002
Ion Ratio Lower Upper
84 100
49 127.2 122.5 183.7
51 45.7 37.1 55.7
86 65.0 50.2 75.2

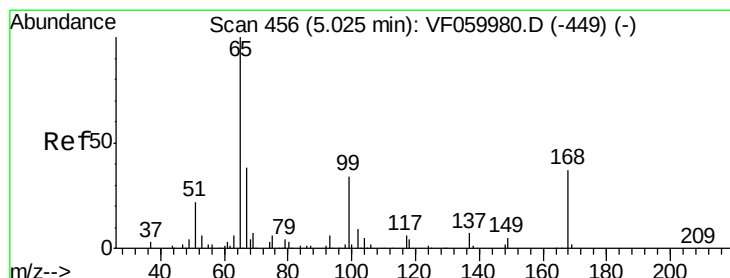
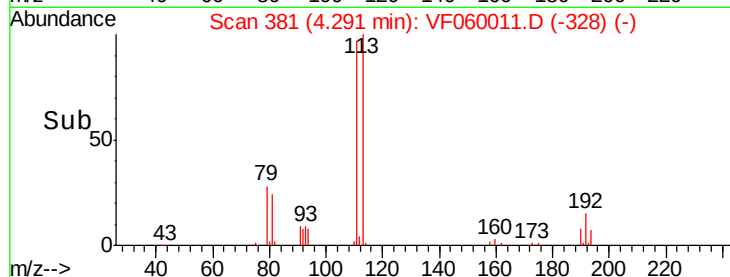
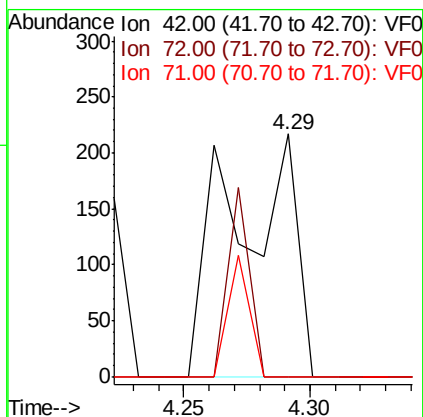
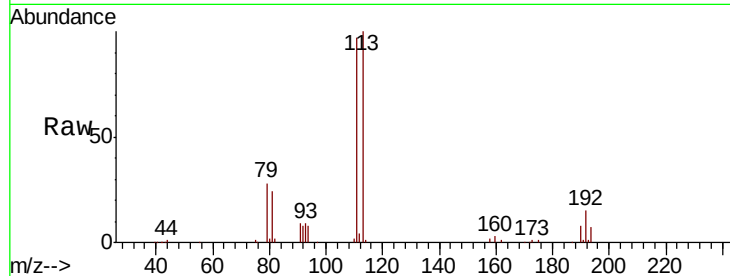




#29
Tetrahydrofuran
Concen: 1.52 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.03 min
Lab File: VF060011.D
Acq: 20 Aug 2018 19:24

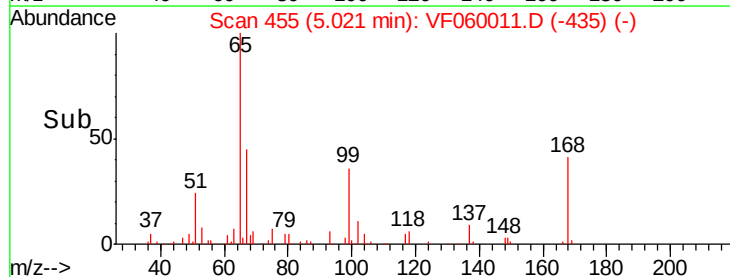
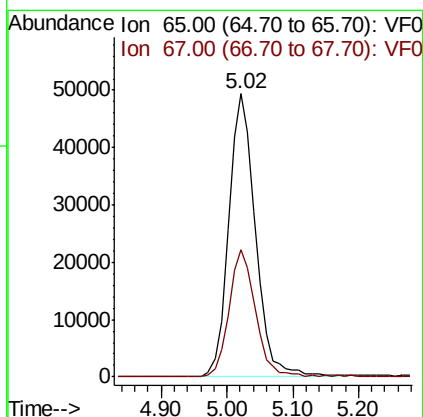
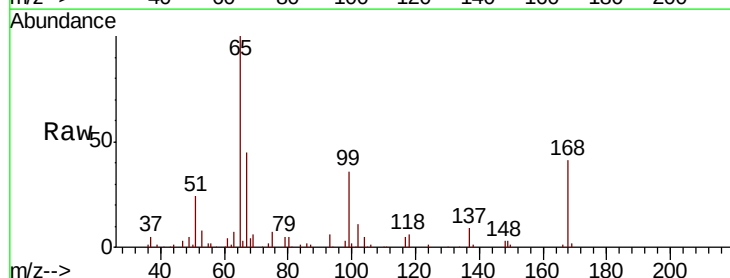
Instrument :
MSVOA_F
ClientSampleId :
CARLSTADT-BACK

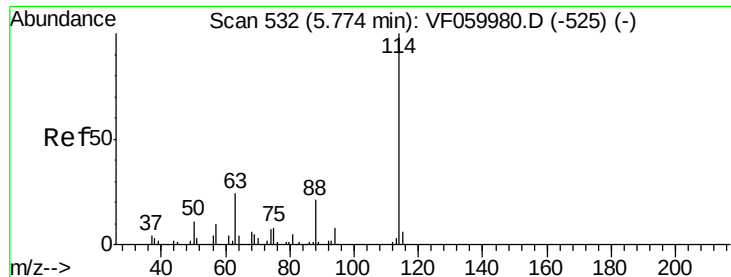
Tot Ion: 42 Resp: 384
Ion Ratio Lower Upper
42 100
72 26.0 29.8 44.6#
71 16.7 29.0 43.4#



#33
1,2-Dichloroethane-d4
Concen: 47.98 ug/l
RT: 5.02 min Scan# 455
Delta R.T. -0.00 min
Lab File: VF060011.D
Acq: 20 Aug 2018 19:24

Tgt Ion: 65 Resp: 140590
Ion Ratio Lower Upper
65 100
67 44.7 0.0 82.6

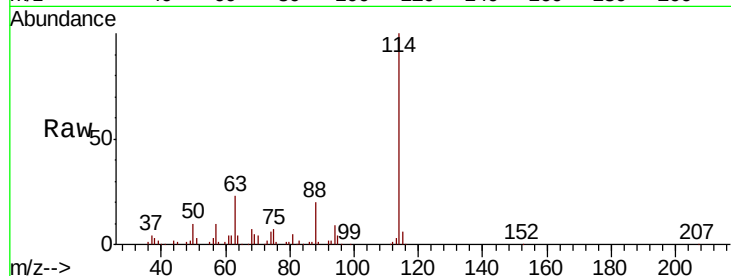




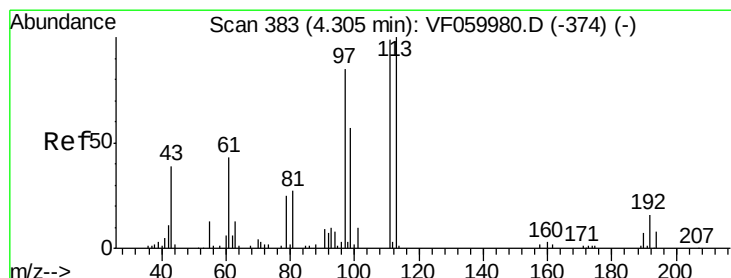
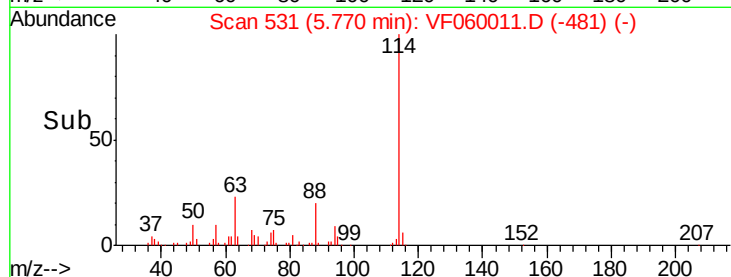
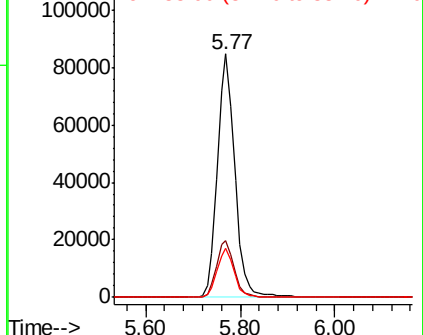
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF060011.D
 Acq: 20 Aug 2018 19:24

Instrument :
 MSVOA_F
 ClientSampleId :
 CARLSTADT-BACK

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	48.6
88	20.0	0.0	42.8

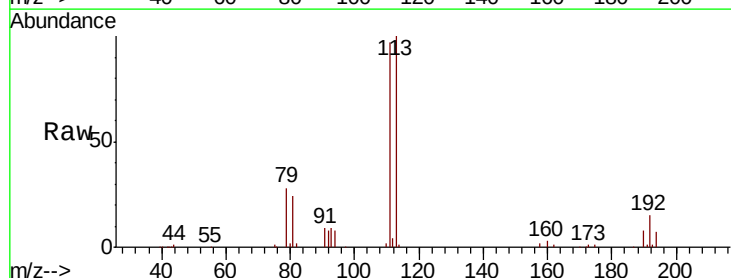


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

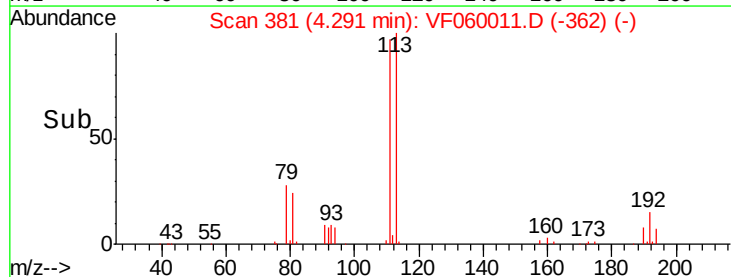
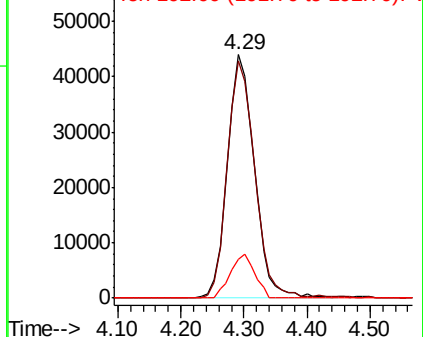


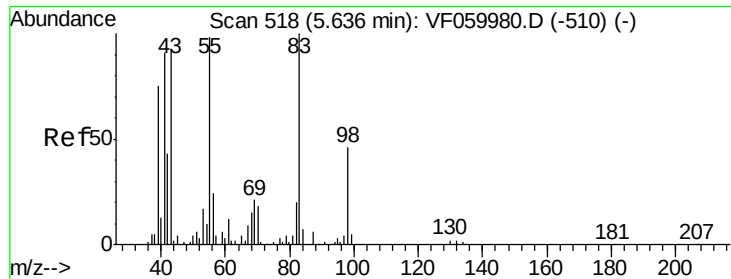
#35
 Dibromofluoromethane
 Concen: 58.83 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF060011.D
 Acq: 20 Aug 2018 19:24

Tgt Ion	Ratio	Lower	Upper
113	100		
111	97.2	79.5	119.3
192	15.9	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

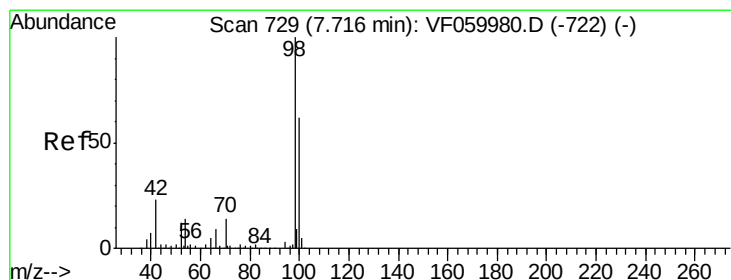
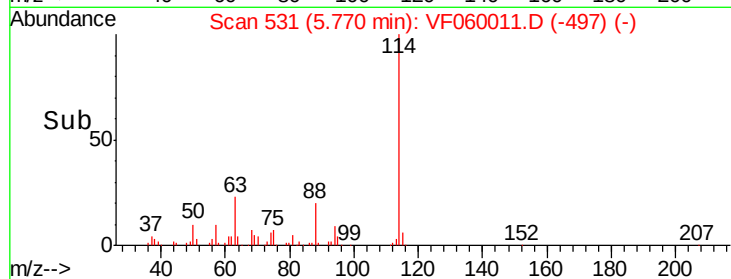
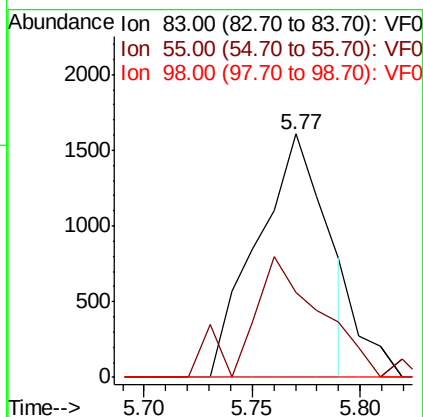
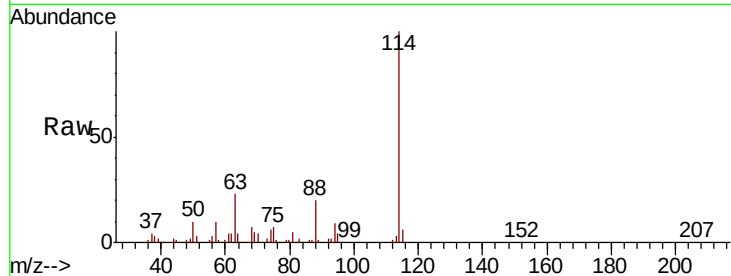




#39
Methylcyclohexane
Concen: 1.95 ug/l
RT: 5.77 min Scan# 531
Delta R.T. 0.13 min
Lab File: VF060011.D
Acq: 20 Aug 2018 19:24

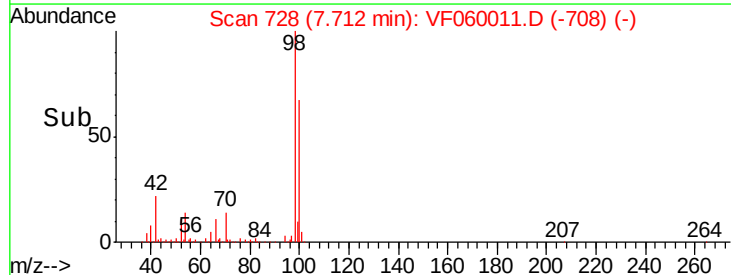
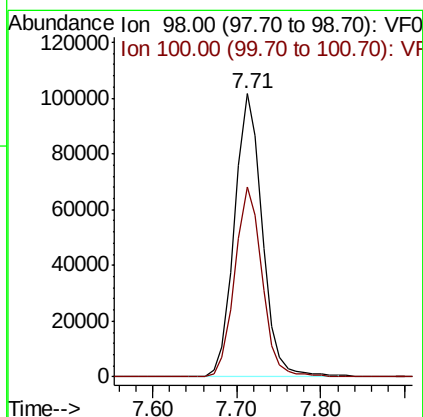
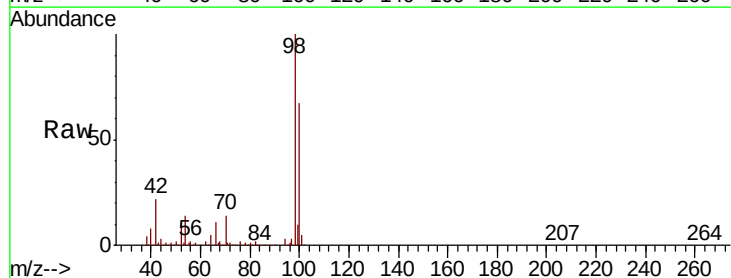
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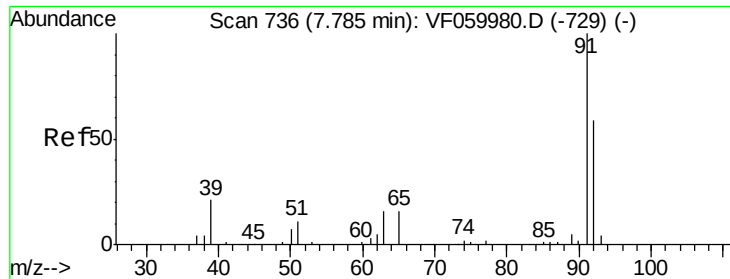
Tot Ion: 83 Resp: 3614
Ion Ratio Lower Upper
83 100
55 34.9 78.8 118.2#
98 0.0 36.8 55.2#



#50
Toluene-d8
Concen: 47.45 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF060011.D
Acq: 20 Aug 2018 19:24

Tgt Ion: 98 Resp: 233903
Ion Ratio Lower Upper
98 100
100 67.0 49.8 74.8

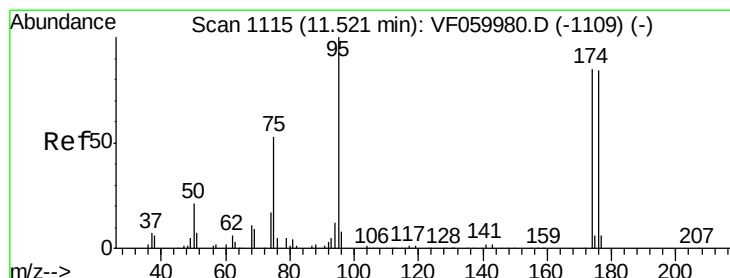
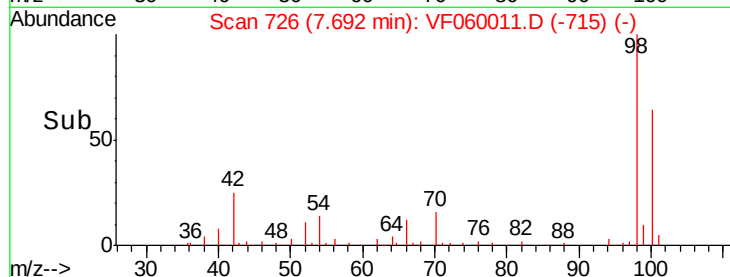
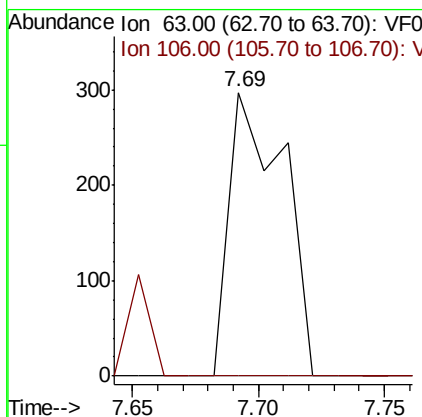
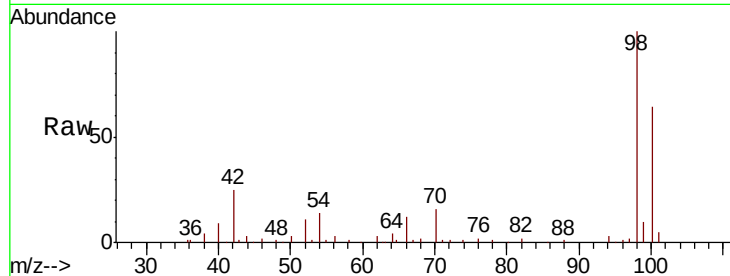




#58
 2-Chloroethyl Vinyl ether
 Concen: 3.66 ug/l
 RT: 7.69 min Scan# 726
 Delta R.T. -0.09 min
 Lab File: VF060011.D
 Acq: 20 Aug 2018 19:24

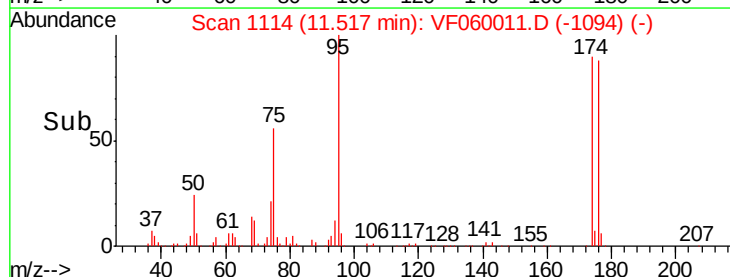
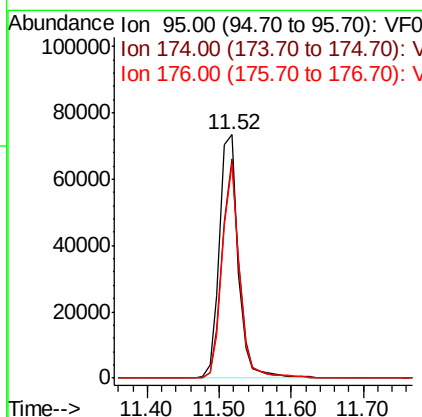
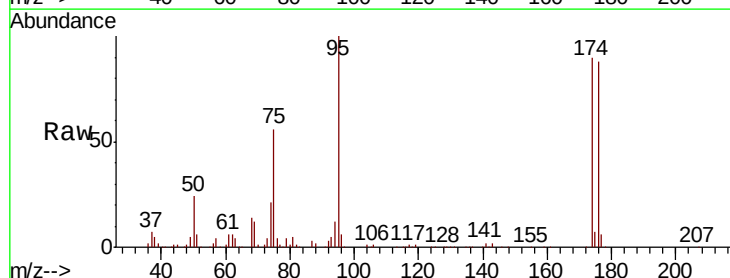
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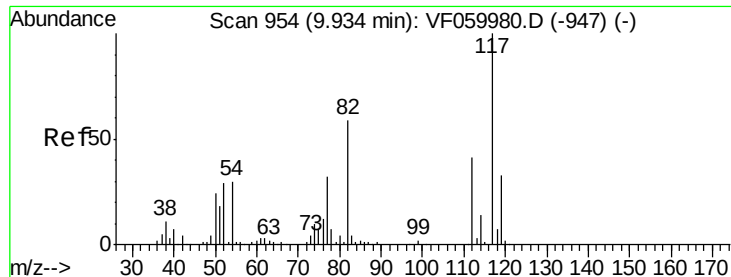
Tot Ion: 63 Resp: 447
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 43.89 ug/l
 RT: 11.52 min Scan# 1114
 Delta R.T. -0.00 min
 Lab File: VF060011.D
 Acq: 20 Aug 2018 19:24

Tgt Ion: 95 Resp: 132779
 Ion Ratio Lower Upper
 95 100
 174 90.2 0.0 169.8
 176 87.9 0.0 167.8

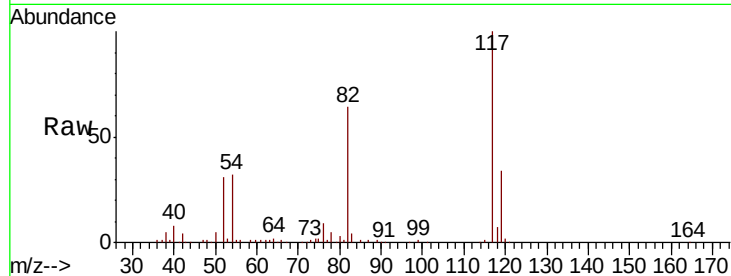




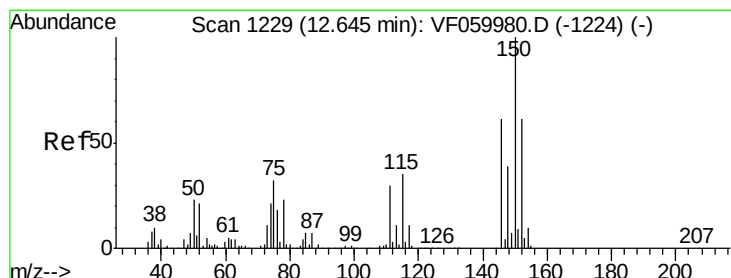
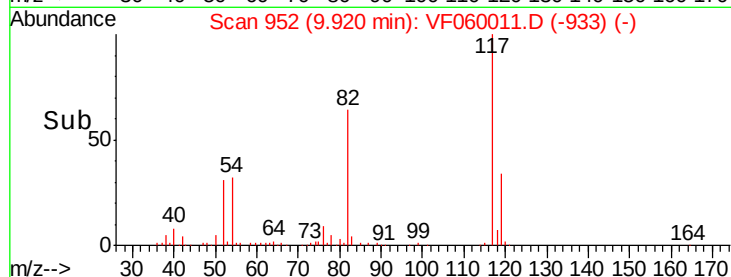
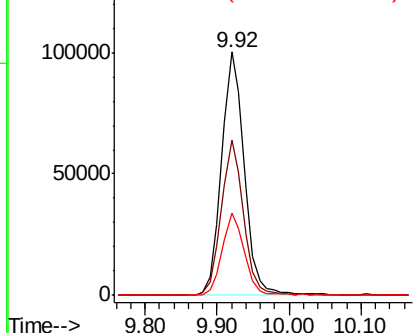
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060011.D
Acq: 20 Aug 2018 19:24

Instrument :
MSVOA_F
ClientSampleId :
CARLSTADT-BACK

Tot Ion:117 Resp: 219992
Ion Ratio Lower Upper
117 100
82 63.6 47.2 70.8
119 33.6 26.1 39.1

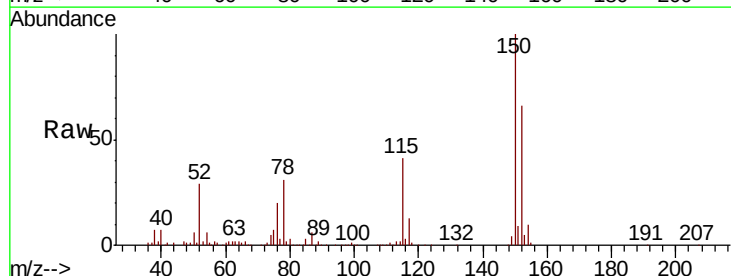


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF060011.D
Acq: 20 Aug 2018 19:24

Tgt Ion:152 Resp: 139390
Ion Ratio Lower Upper
152 100
115 63.0 29.1 87.3
150 152.3 0.0 330.2



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

