

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
 Data File : VF060012.D
 Acq On : 20 Aug 2018 19:52
 Operator : VA/AP
 Sample : J4499-06
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 LSB-06(0-1)

Quant Time: Aug 21 04:28:45 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	135425	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	202650	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	195612	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	122270	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	133984	51.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.50%	
35) Dibromofluoromethane	4.30	113	120536	58.20	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	116.40%	
50) Toluene-d8	7.72	98	203830	44.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.52%	
62) 4-Bromofluorobenzene	11.51	95	116630	41.26	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	82.52%	

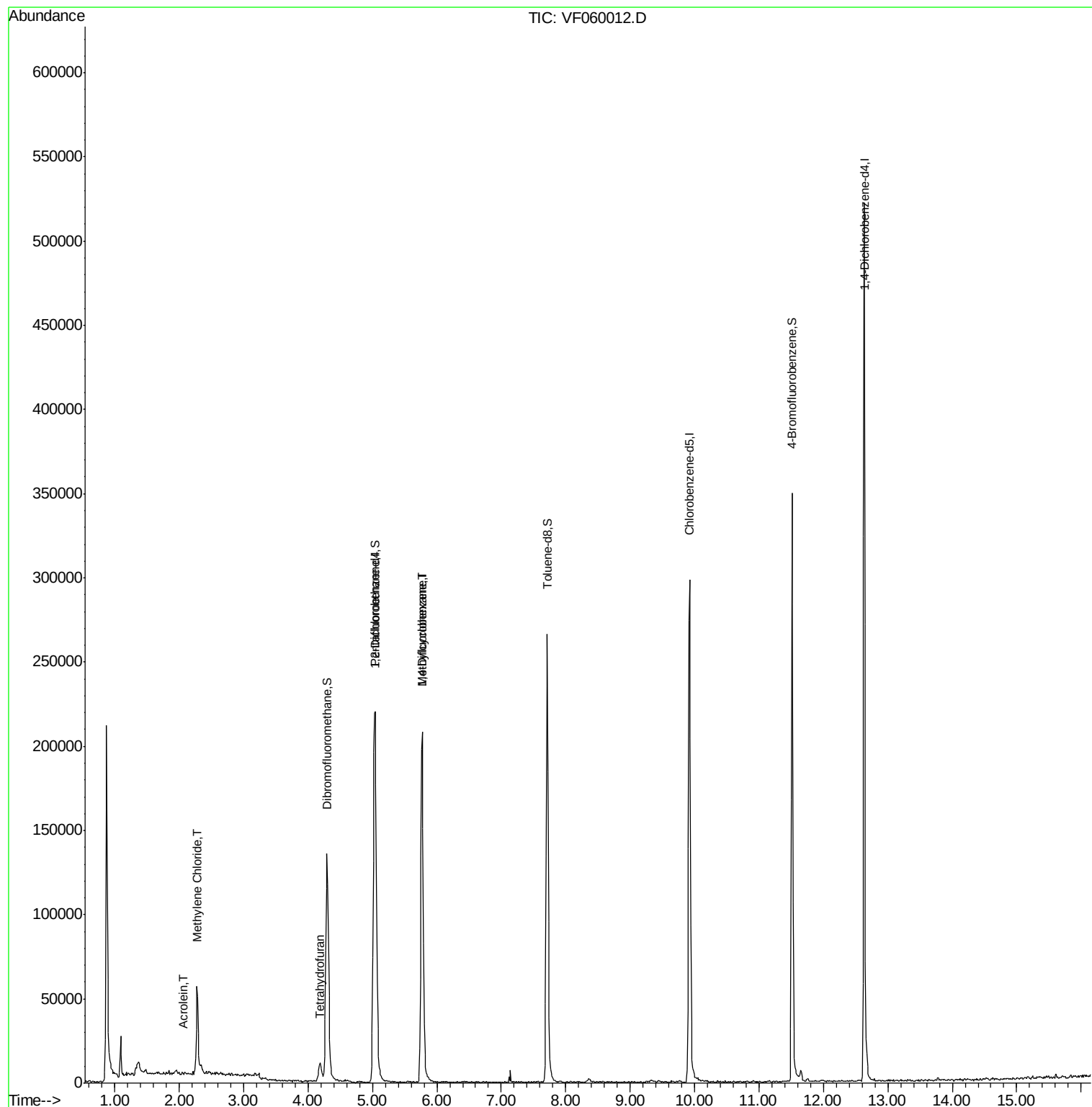
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.09	50	1588	Below Cal	#	81
5) Bromomethane	1.33	94	1057	Below Cal	#	97
13) Acrolein	2.07	56	158	14.49	ug/l	# 9
16) Acetone	2.33	43	4728	Below Cal	#	90
18) Methyl Acetate	2.46	43	1951	Below Cal	#	63
20) Methylene Chloride	2.27	84	22202	12.24	ug/l	92
29) Tetrahydrofuran	4.19	42	630	2.79	ug/l	# 38
39) Methylcyclohexane	5.77	83	3575	2.06	ug/l	# 47

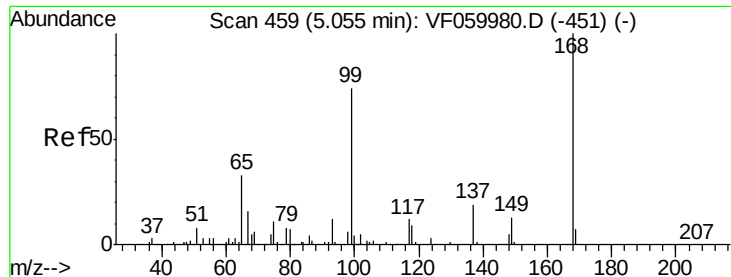
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 458

Delta R.T. -0.01 min

Lab File: VF060012.D

Acq: 20 Aug 2018 19:52

Instrument :

MSVOA_F

ClientSampleId :

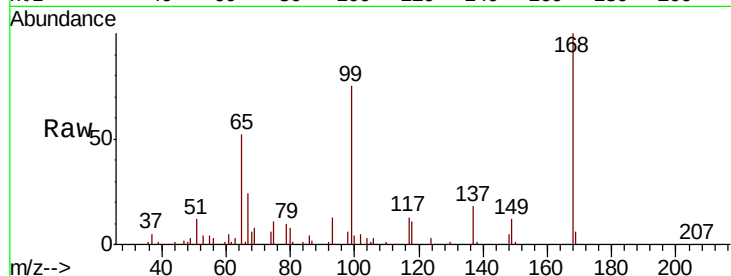
LSB-06(0-1)

Tot Ion:168 Resp: 135425

Ion Ratio Lower Upper

168 100

99 75.4 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

40000

30000

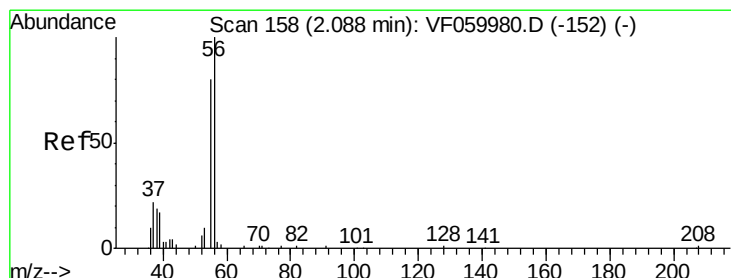
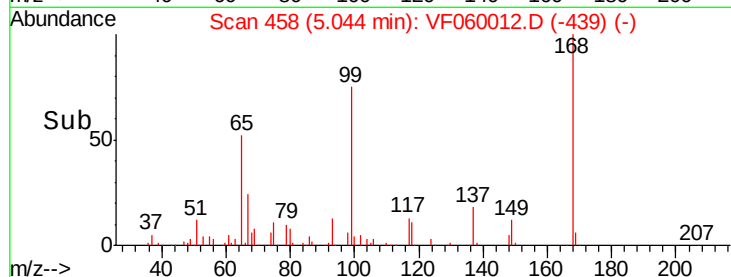
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#13

Acrolein

Concen: 14.49 ug/l

RT: 2.07 min Scan# 156

Delta R.T. -0.02 min

Lab File: VF060012.D

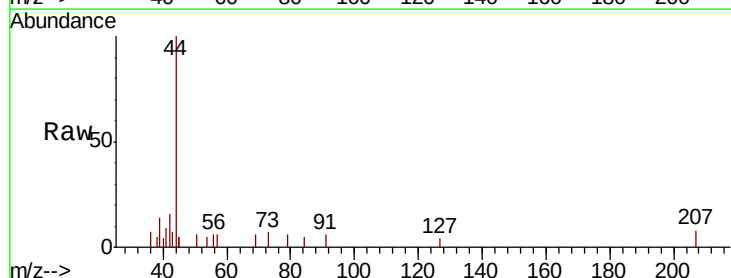
Acq: 20 Aug 2018 19:52

Tgt Ion: 56 Resp: 158

Ion Ratio Lower Upper

56 100

55 0.0 63.8 95.6#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.07

250

200

150

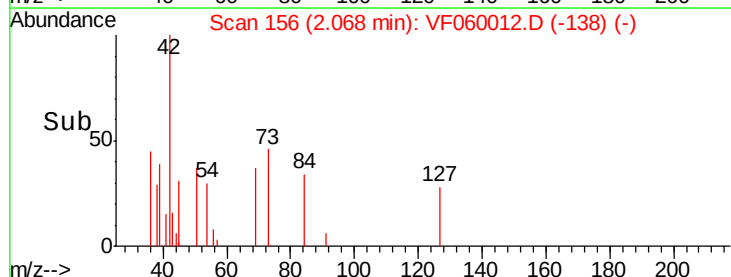
100

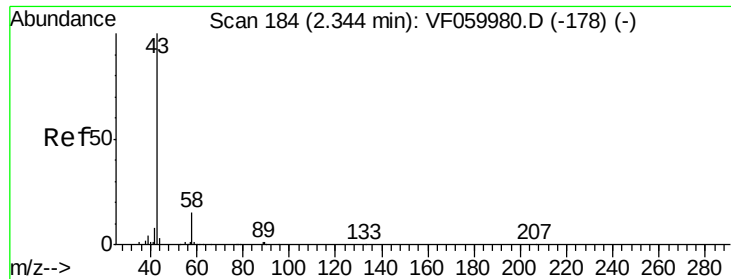
50

0

2.04 2.06 2.08 2.10 2.12

Time-->





#16

Acetone

Concen: Below Cal

RT: 2.33 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF060012.D

Acq: 20 Aug 2018 19:52

Instrument :

MSVOA_F

ClientSampleId :

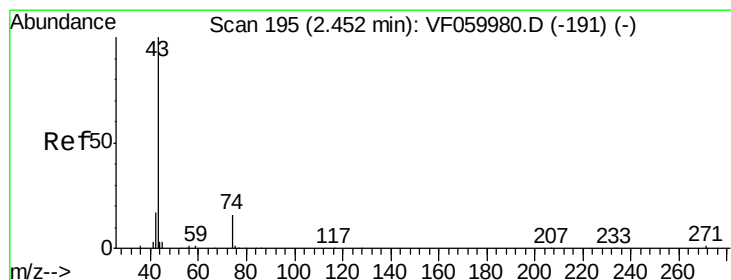
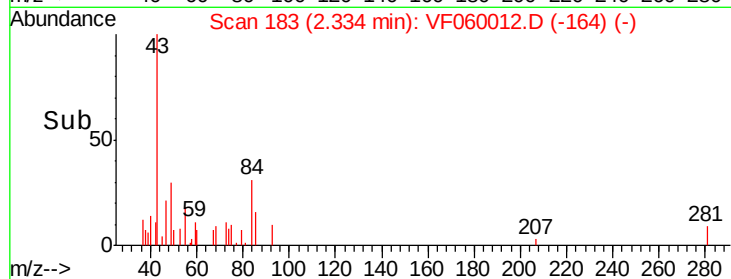
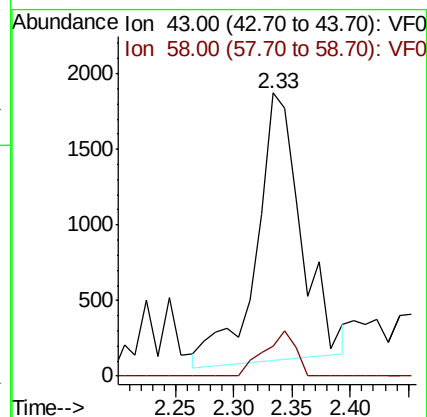
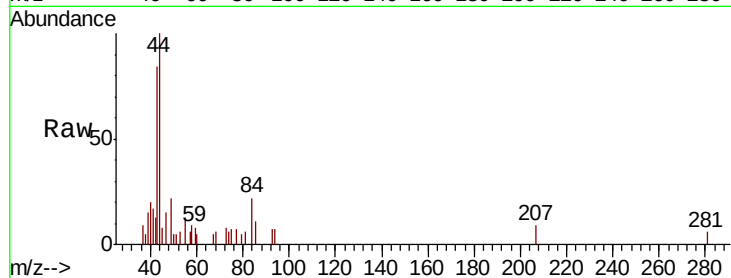
LSB-06(0-1)

Tot Ion: 43 Resp: 4728

Ion Ratio Lower Upper

43 100

58 10.6 11.9 17.9#



#18

Methyl Acetate

Concen: Below Cal

RT: 2.46 min Scan# 196

Delta R.T. 0.01 min

Lab File: VF060012.D

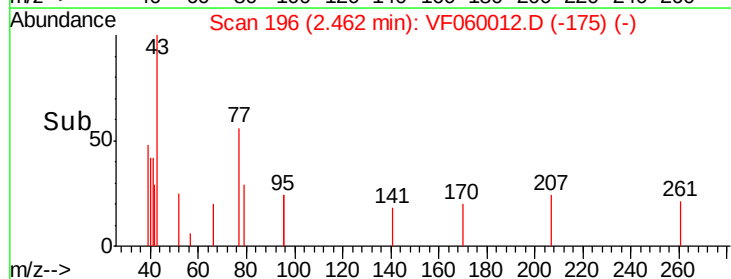
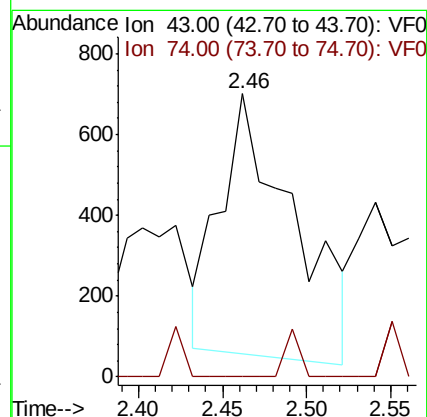
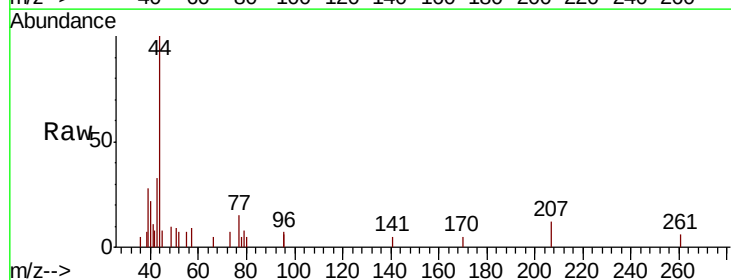
Acq: 20 Aug 2018 19:52

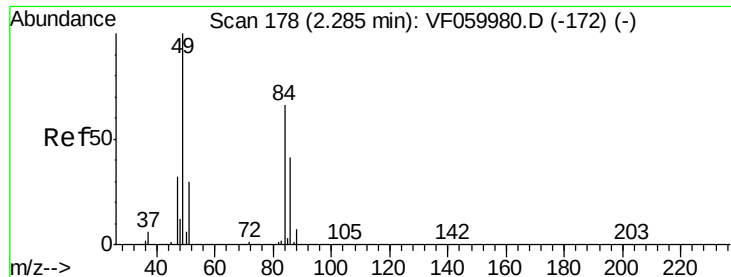
Tgt Ion: 43 Resp: 1951

Ion Ratio Lower Upper

43 100

74 0.0 12.3 18.5#

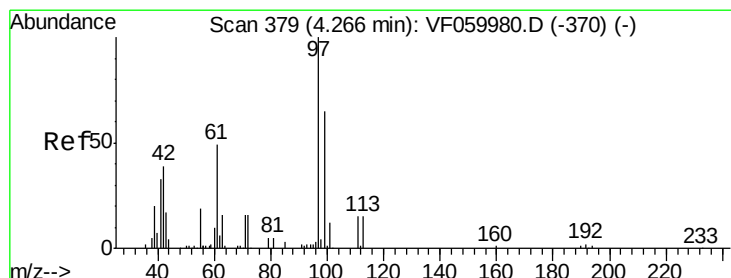
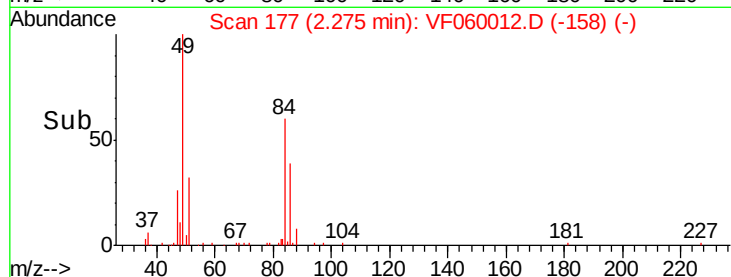
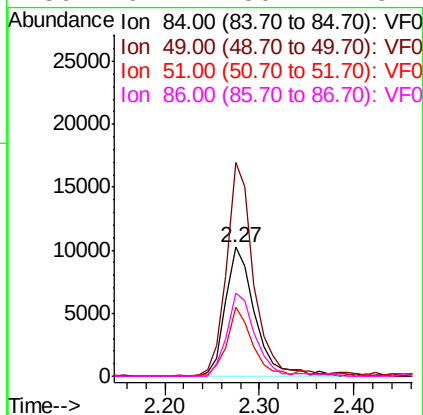
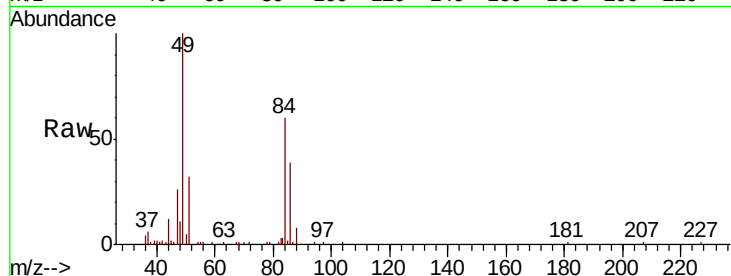




#20
Methvlene Chloride
Concen: 12.24 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.01 min
Lab File: VF060012.D
Acq: 20 Aug 2018 19:52

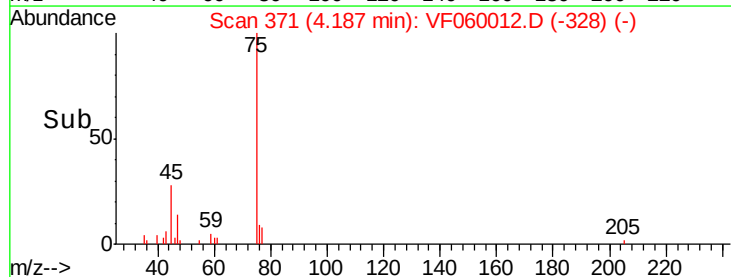
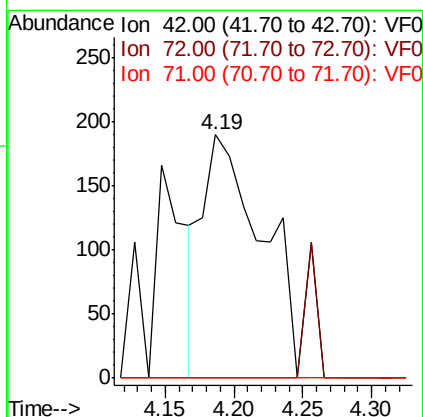
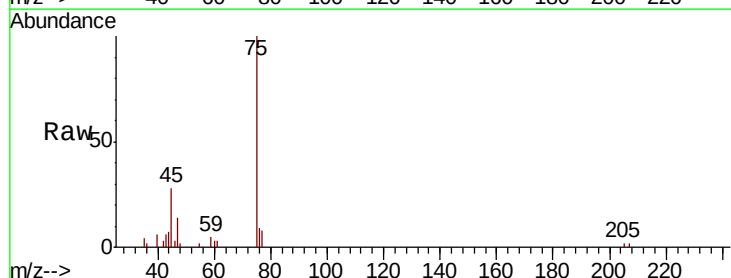
Instrument :
MSVOA_F
ClientSampleId :
LSB-06(0-1)

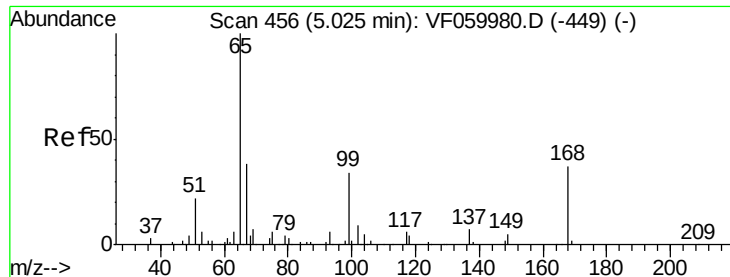
Tot Ion:	84	Resp:	22202
Ion	Ratio	Lower	Upper
84	100		
49	165.5	122.5	183.7
51	53.7	37.1	55.7
86	64.4	50.2	75.2



#29
Tetrahydrofuran
Concen: 2.79 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.08 min
Lab File: VF060012.D
Acq: 20 Aug 2018 19:52

Tgt Ion:	42	Resp:	630
Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.8	44.6#
71	0.0	29.0	43.4#

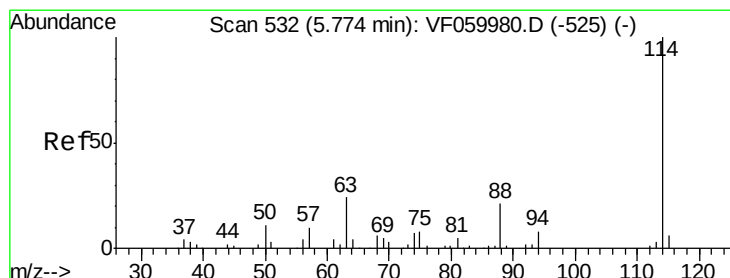
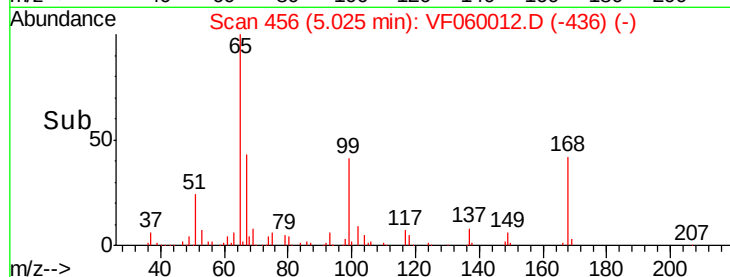
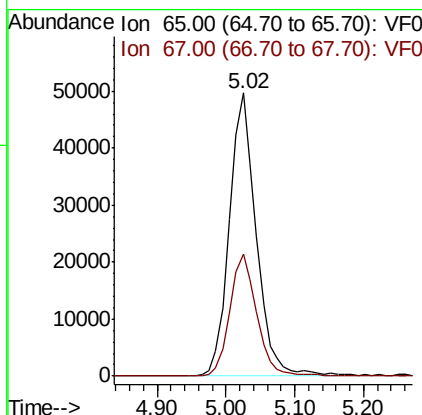
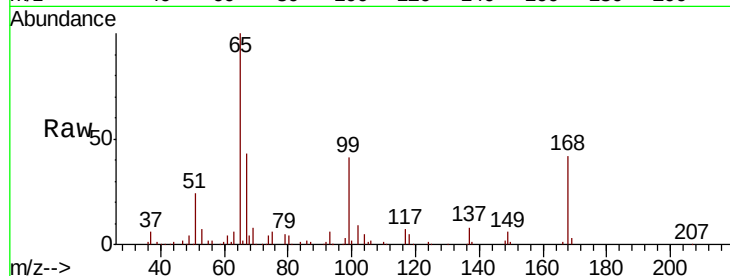




#33
 1,2-Dichloroethane-d4
 Concen: 51.25 ug/l
 RT: 5.02 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: VF060012.D
 Acq: 20 Aug 2018 19:52

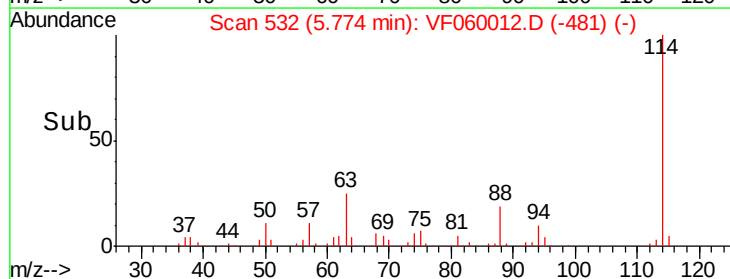
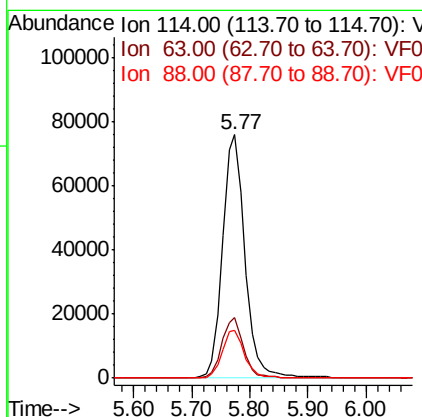
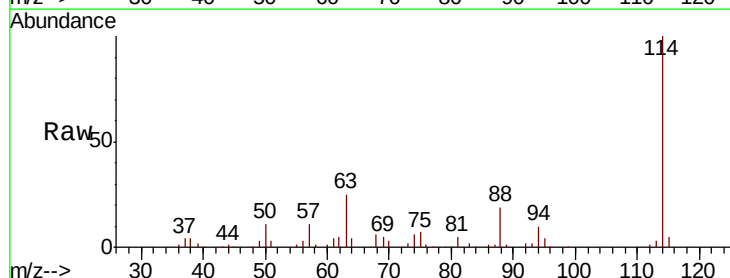
Instrument :
 MSVOA_F
 ClientSampled :
 LSB-06(0-1)

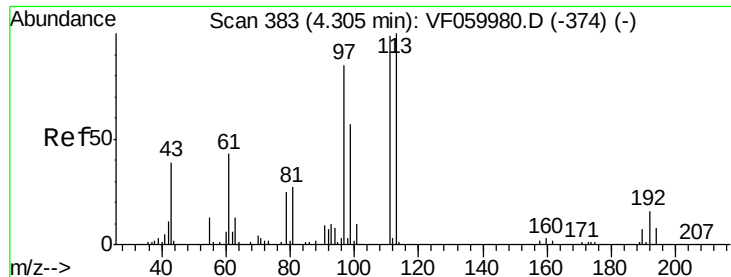
Tot Ion: 65 Resp: 133984
 Ion Ratio Lower Upper
 65 100
 67 43.2 0.0 82.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VF060012.D
 Acq: 20 Aug 2018 19:52

Tgt Ion: 114 Resp: 202650
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 48.6
 88 19.4 0.0 42.8





#35

Dibromofluoromethane

Concen: 58.20 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF060012.D

Acq: 20 Aug 2018 19:52

Instrument :

MSVOA_F

ClientSampleId :

LSB-06(0-1)

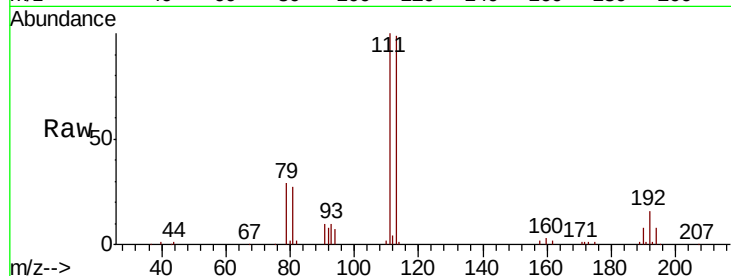
Tot Ion:113 Resp: 120536

Ion Ratio Lower Upper

113 100

111 100.7 79.5 119.3

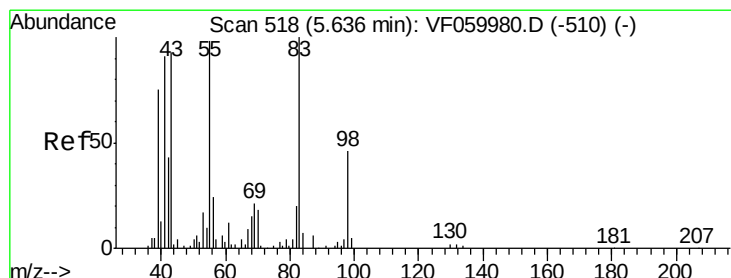
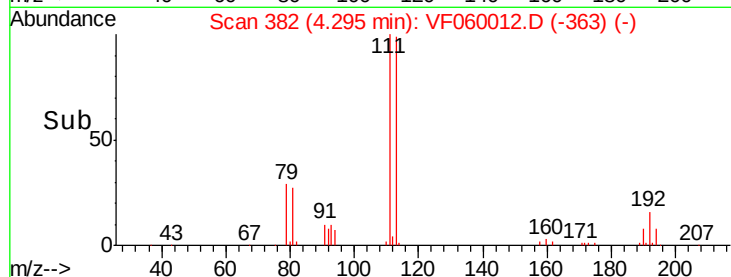
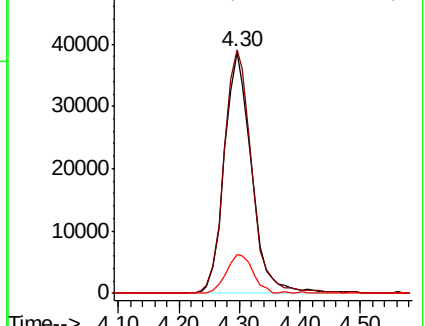
192 15.9 12.4 18.6



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: 2.06 ug/l

RT: 5.77 min Scan# 532

Delta R.T. 0.14 min

Lab File: VF060012.D

Acq: 20 Aug 2018 19:52

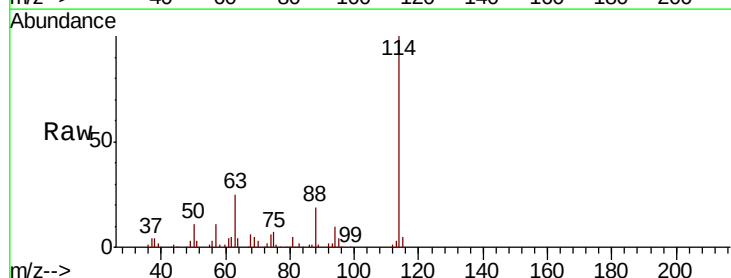
Tgt Ion: 83 Resp: 3575

Ion Ratio Lower Upper

83 100

55 53.4 78.8 118.2#

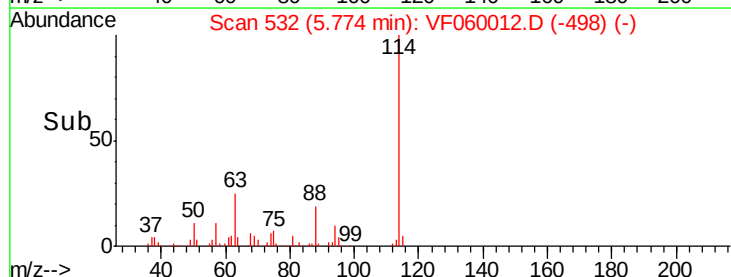
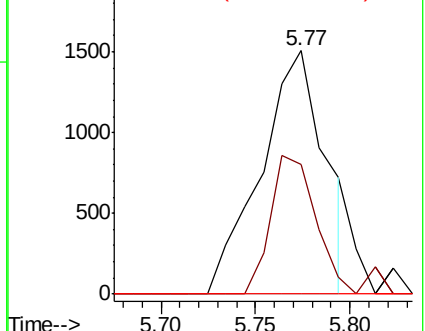
98 0.0 36.8 55.2#

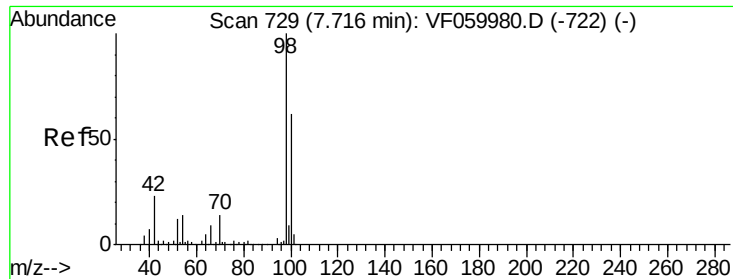


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

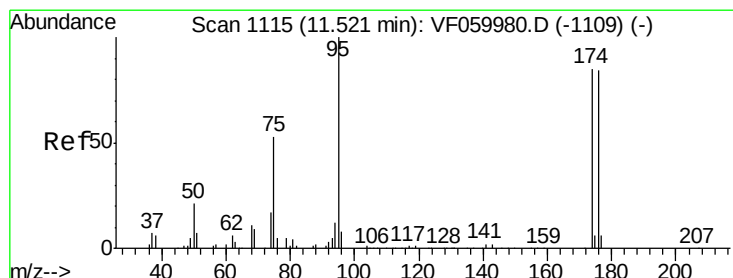
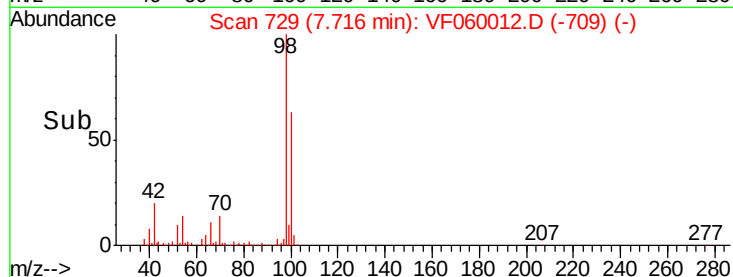
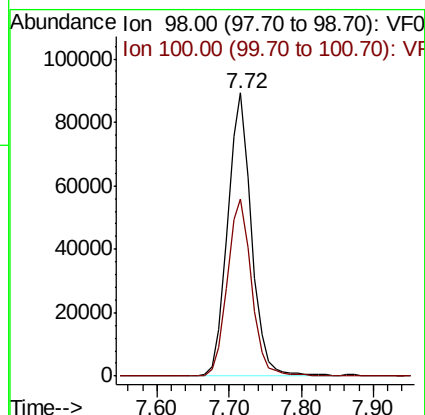
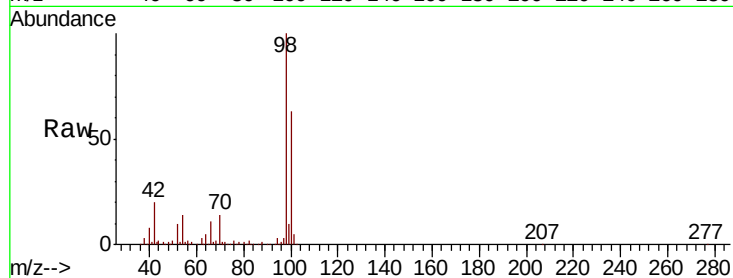




#50
Toluene-d8
Concen: 44.26 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.00 min
Lab File: VF060012.D
Acq: 20 Aug 2018 19:52

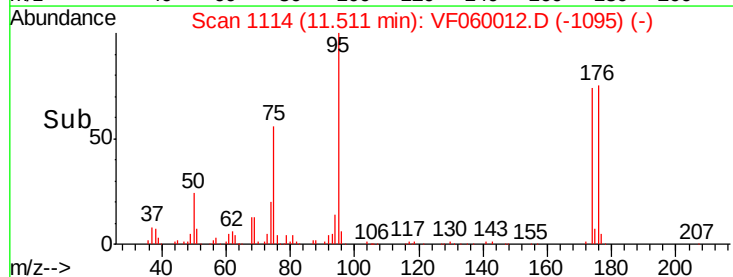
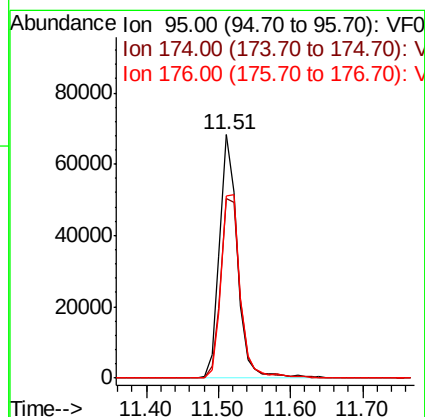
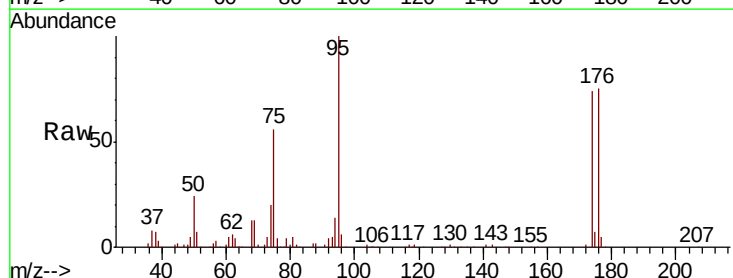
Instrument :
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LSB-06(0-1)

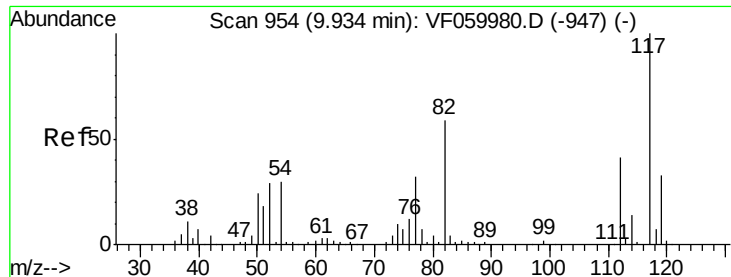
Tot Ion: 98 Resp: 203830
Ion Ratio Lower Upper
98 100
100 62.5 49.8 74.8



#62
4-Bromofluorobenzene
Concen: 41.26 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VF060012.D
Acq: 20 Aug 2018 19:52

Tgt Ion: 95 Resp: 116630
Ion Ratio Lower Upper
95 100
174 73.9 0.0 169.8
176 75.1 0.0 167.8

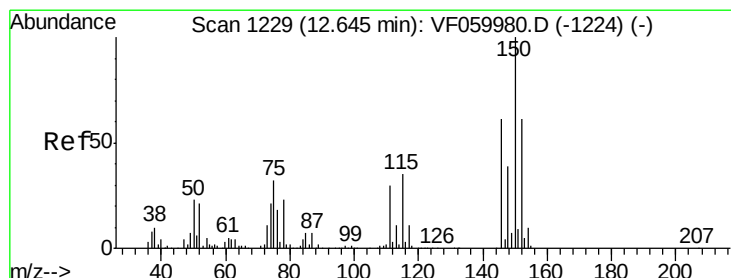
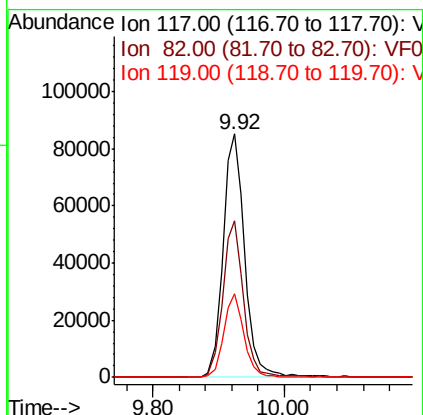
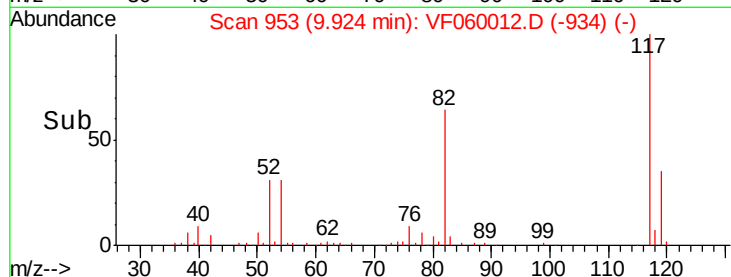
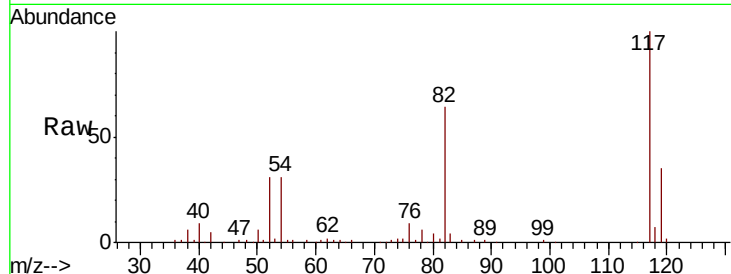




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF060012.D
Acq: 20 Aug 2018 19:52

Instrument :
MSVOA_F
ClientSampleId :
LSB-06(0-1)

Tot Ion:117 Resp: 195612
Ion Ratio Lower Upper
117 100
82 64.3 47.2 70.8
119 34.6 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VF060012.D
Acq: 20 Aug 2018 19:52

Tgt Ion:152 Resp: 122270
Ion Ratio Lower Upper
152 100
115 58.5 29.1 87.3
150 151.2 0.0 330.2

