

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082818\
 Data File : VF060162.D
 Acq On : 28 Aug 2018 20:52
 Operator : VA/AP
 Sample : J4280-01
 Misc : 5.74g/5mL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 PL-05-082418-A

Quant Time: Aug 29 01:19:35 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	5.03	168	139057	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	193857	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	175445	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	68523	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	91176	47.91	ug/l	-0.02
Spiked Amount			Recovery	=	95.82%	
35) Dibromofluoromethane	4.28	113	86123	56.58	ug/l	-0.02
Spiked Amount			Recovery	=	113.16%	
50) Toluene-d8	7.70	98	180254	41.69	ug/l	-0.02
Spiked Amount			Recovery	=	83.38%	
62) 4-Bromofluorobenzene	11.50	95	71561	31.29	ug/l	-0.01
Spiked Amount			Recovery	=	62.58%	

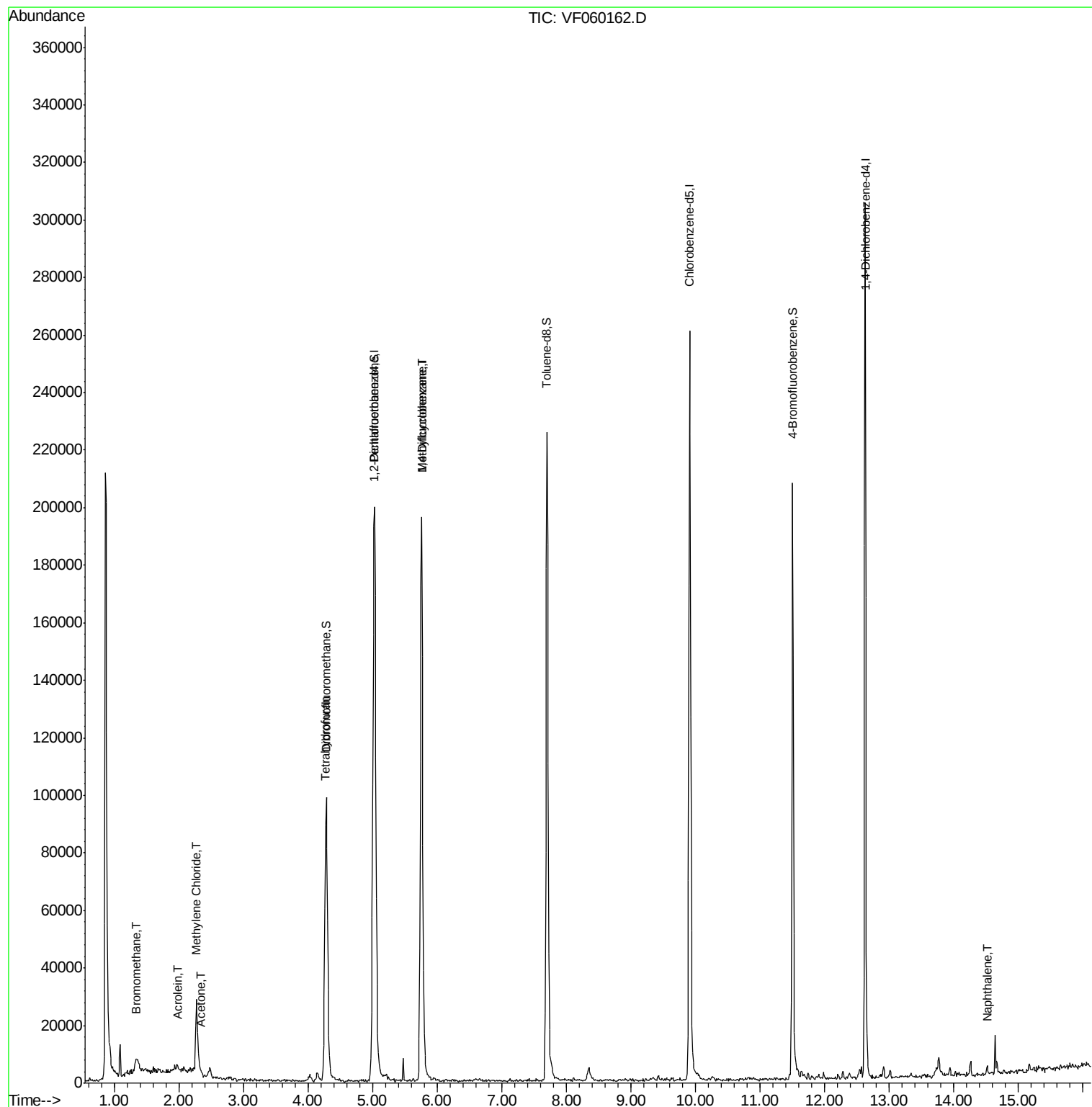
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.08	50	1139	Below Cal	#	87
5) Bromomethane	1.32	94	1806	2.09	ug/l #	50
13) Acrolein	1.98	56	233	29.69	ug/l	91
16) Acetone	2.35	43	961	1.92	ug/l #	63
18) Methyl Acetate	2.45	43	1118	Below Cal	#	60
20) Methylene Chloride	2.27	84	13231	9.25	ug/l	88
29) Tetrahydrofuran	4.26	42	531	2.16	ug/l #	63
39) Methylcyclohexane	5.76	83	2969	1.74	ug/l #	48
52) Toluene	7.78	92	1188	Below Cal		80
68) m/p-Xylenes	10.25	106	682	Below Cal	#	50
95) Naphthalene	14.52	128	2283	3.14	ug/l #	93

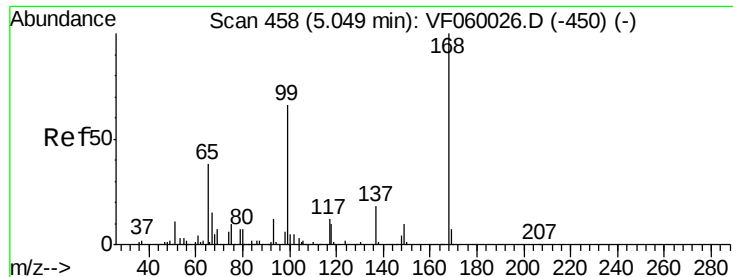
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082818\
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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: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF060162.D

Acq: 28 Aug 2018 20:52

Instrument :

MSVOA_F

ClientSampleId :

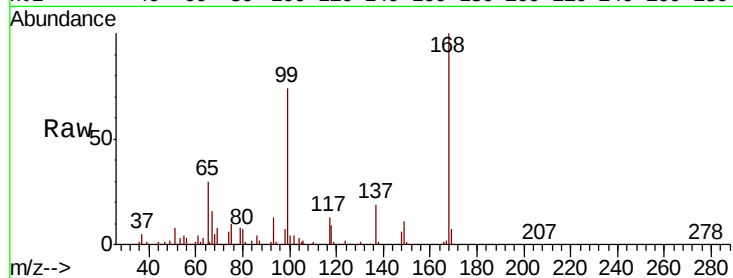
PL-05-082418-A

Tot Ion:168 Resp: 139057

Ion Ratio Lower Upper

168 100

99 74.2 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

40000

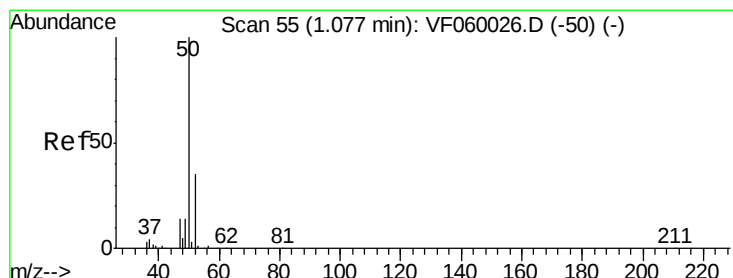
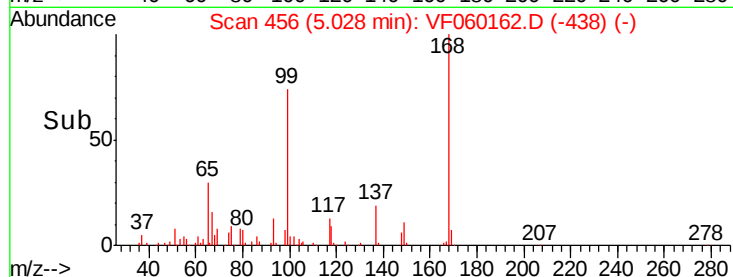
30000

20000

10000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.08 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060162.D

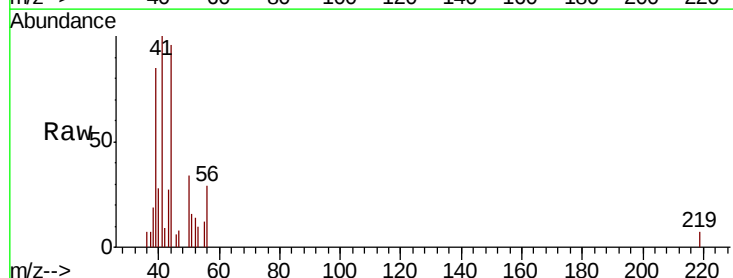
Acq: 28 Aug 2018 20:52

Tgt Ion: 50 Resp: 1139

Ion Ratio Lower Upper

50 100

52 42.1 27.6 41.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.08

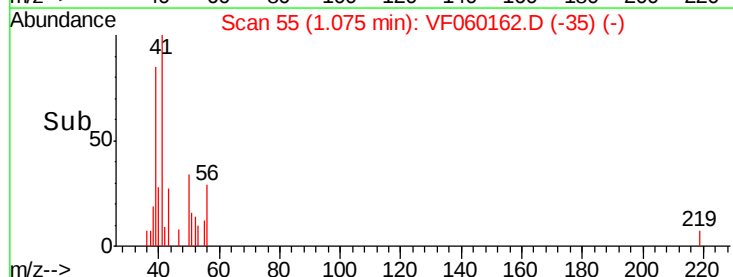
600

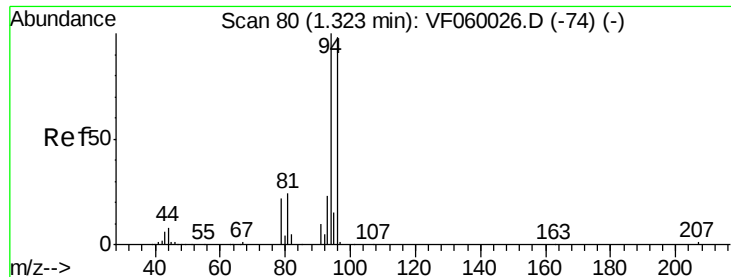
400

200

0

Time-->





#5

Bromomethane

Concen: 2.09 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF060162.D

Acq: 28 Aug 2018 20:52

Instrument :

MSVOA_F

ClientSampleId :

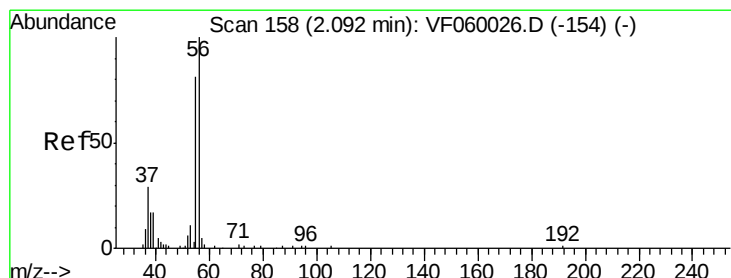
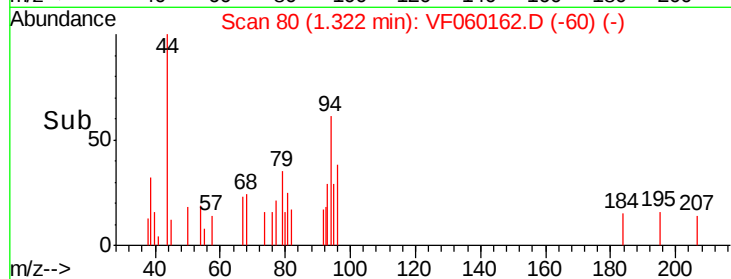
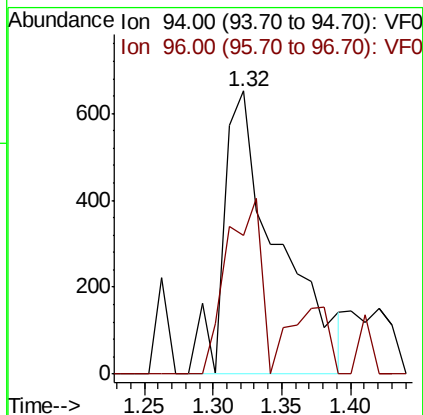
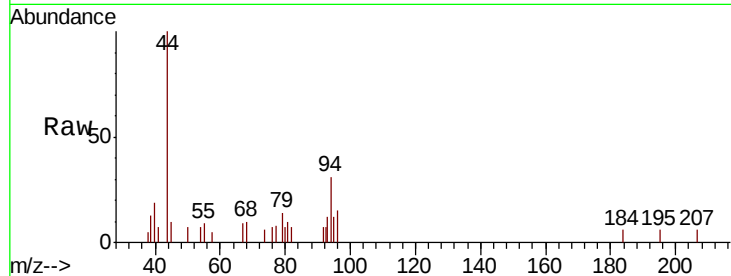
PL-05-082418-A

Tot Ion: 94 Resp: 1806

Ion Ratio Lower Upper

94 100

96 49.1 78.6 118.0#



#13

Acrolein

Concen: 29.69 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.11 min

Lab File: VF060162.D

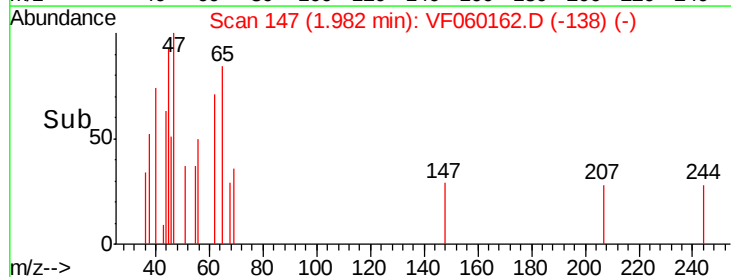
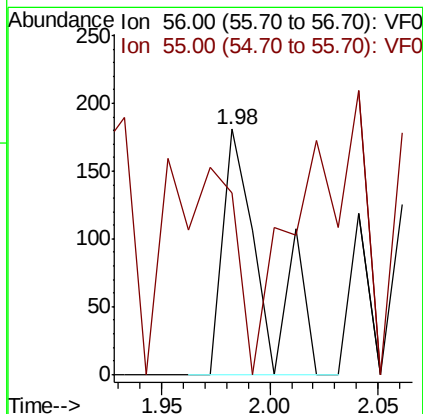
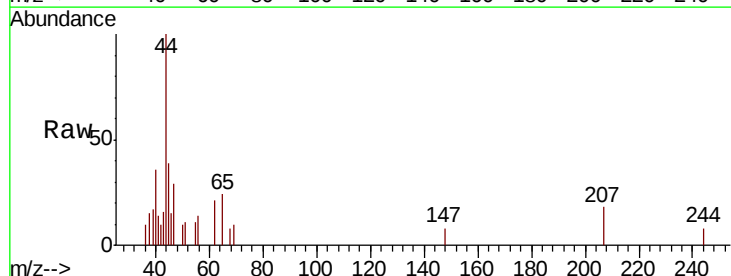
Acq: 28 Aug 2018 20:52

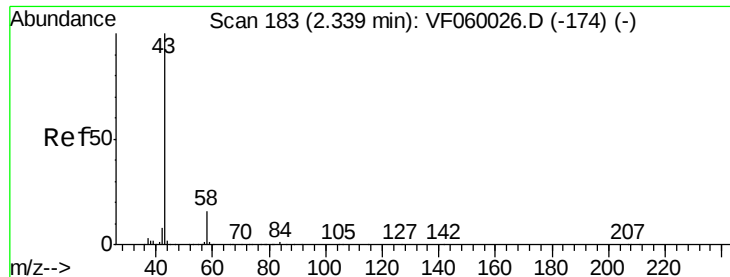
Tgt Ion: 56 Resp: 233

Ion Ratio Lower Upper

56 100

55 74.0 65.6 98.4





#16

Acetone

Concen: 1.92 ug/l

RT: 2.35 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF060162.D

Acq: 28 Aug 2018 20:52

Instrument :

MSVOA_F

ClientSampleId :

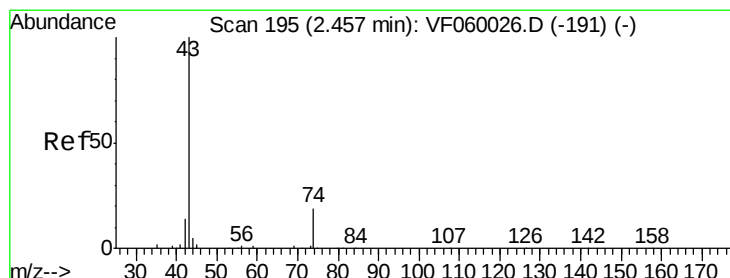
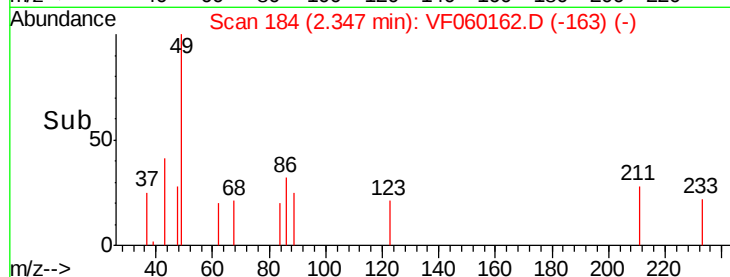
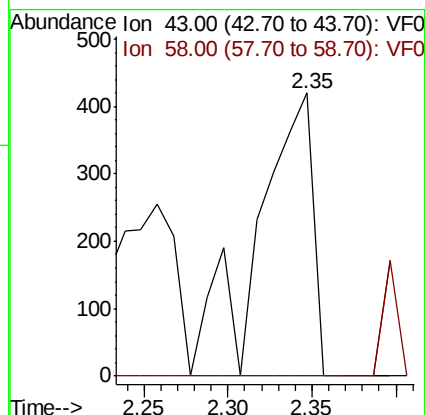
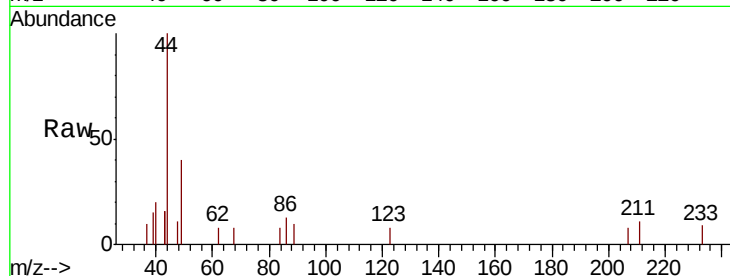
PL-05-082418-A

Tot Ion: 43 Resp: 961

Ion Ratio Lower Upper

43 100

58 0.0 12.6 19.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 2.45 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF060162.D

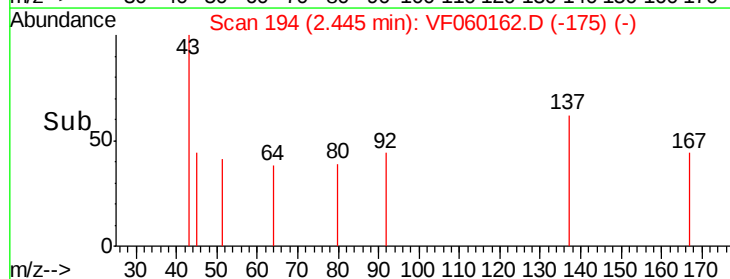
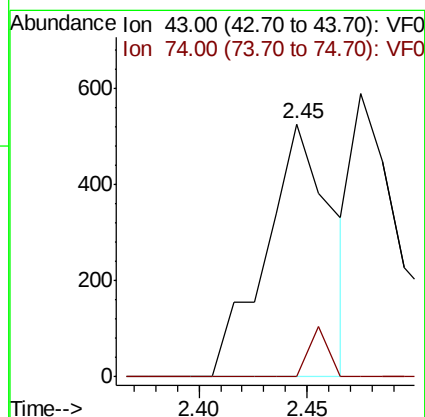
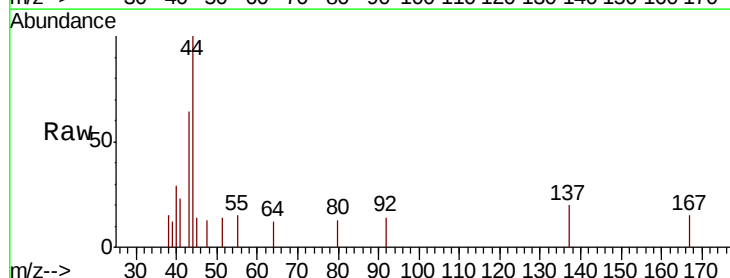
Acq: 28 Aug 2018 20:52

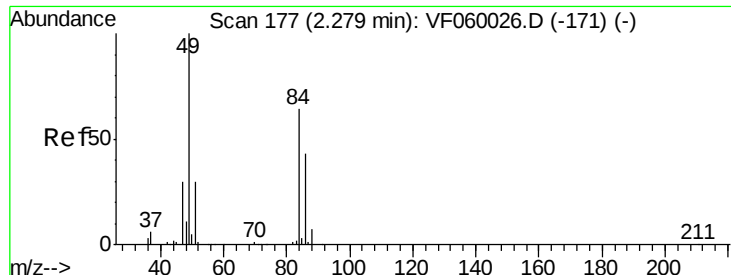
Tgt Ion: 43 Resp: 1118

Ion Ratio Lower Upper

43 100

74 0.0 13.8 20.6#

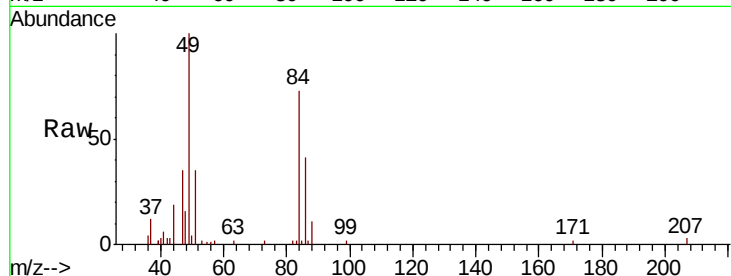




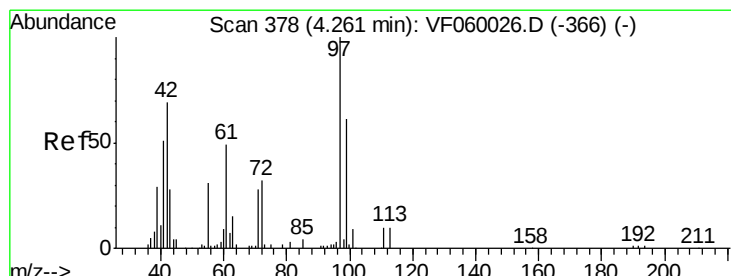
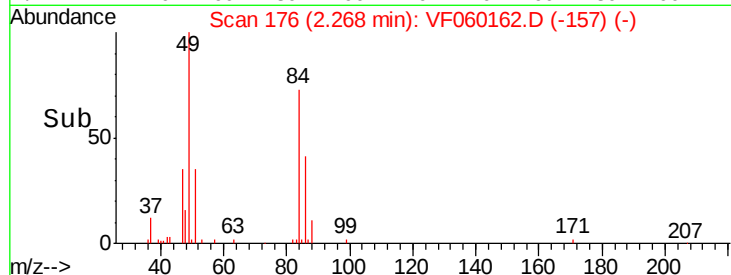
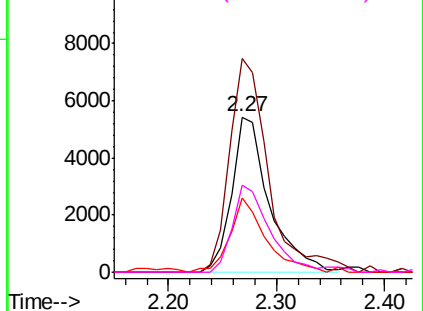
#20
Methvlene Chloride
Concen: 9.25 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.01 min
Lab File: VF060162.D
Acq: 28 Aug 2018 20:52

Instrument :
MSVOA_F
ClientSampleId :
PL-05-082418-A

Tot Ion:	84	Resp:	13231
Ion	Ratio	Lower	Upper
84	100		
49	137.9	125.4	188.0
51	48.1	38.3	57.5
86	56.1	53.3	79.9

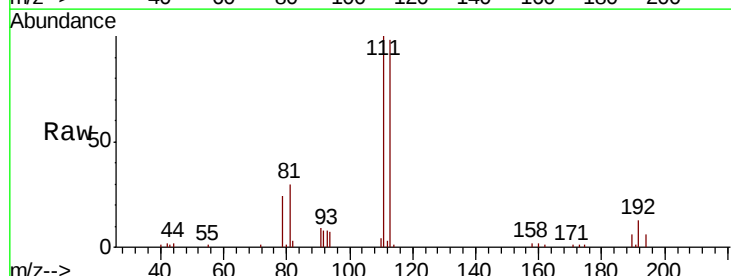


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

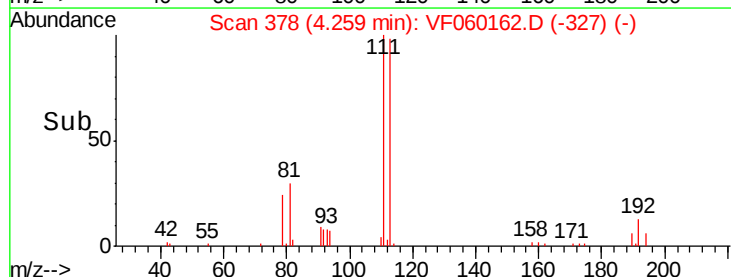
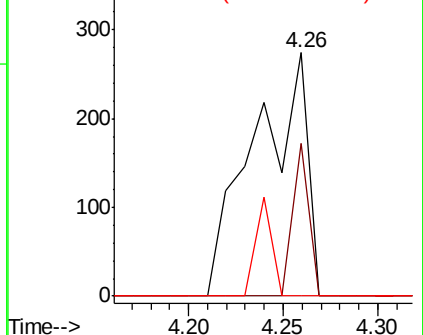


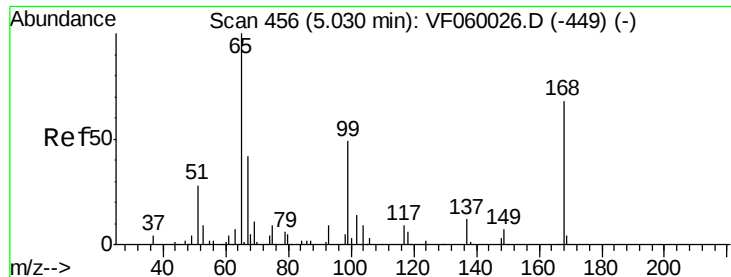
#29
Tetrahydrofuran
Concen: 2.16 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.00 min
Lab File: VF060162.D
Acq: 28 Aug 2018 20:52

Tgt Ion:	42	Resp:	531
Ion	Ratio	Lower	Upper
42	100		
72	19.2	31.4	47.2#
71	12.4	29.7	44.5#



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 47.91 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.02 min

Lab File: VF060162.D

Acq: 28 Aug 2018 20:52

Instrument :

MSVOA_F

ClientSampleId :

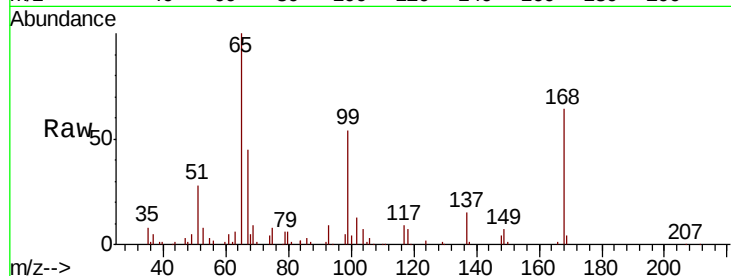
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Tot Ion: 65 Resp: 91176

Ion Ratio Lower Upper

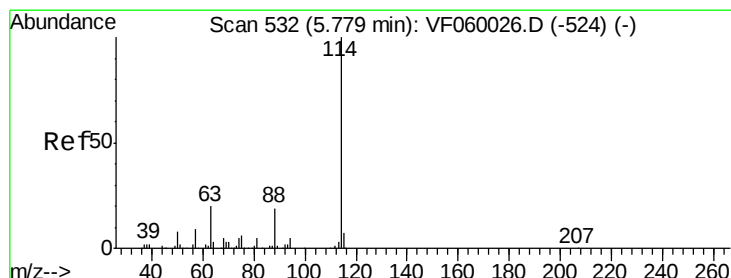
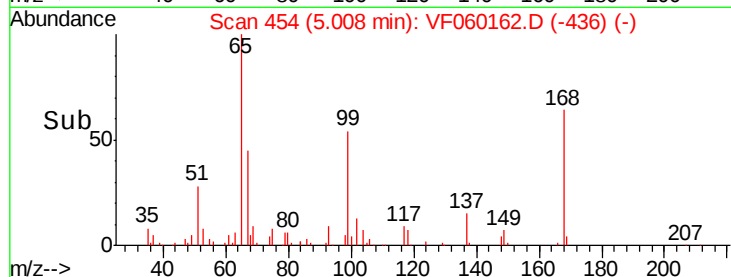
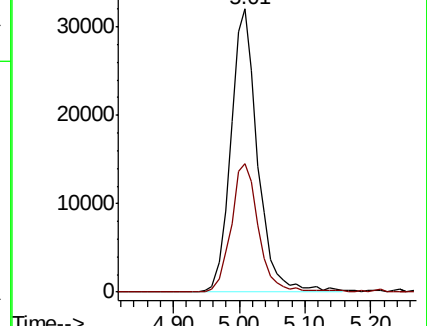
65 100

67 45.2 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: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.02 min

Lab File: VF060162.D

Acq: 28 Aug 2018 20:52

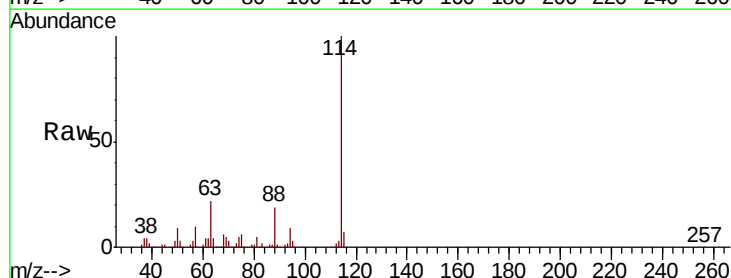
Tgt Ion:114 Resp: 193857

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.4

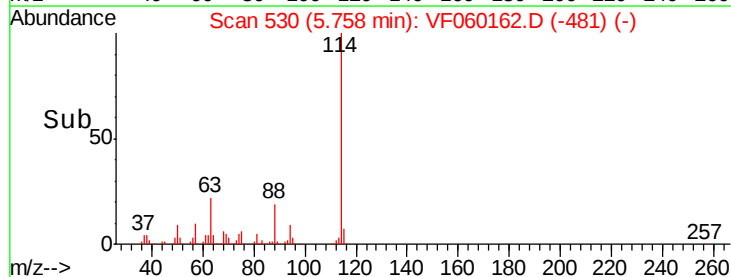
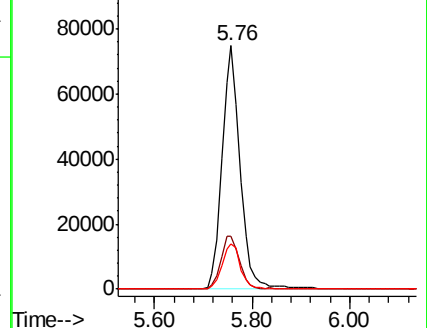
88 18.6 0.0 38.6

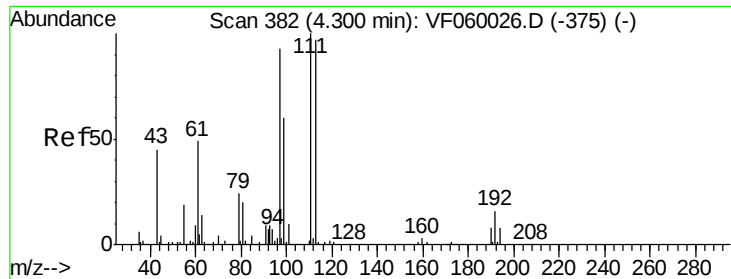


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

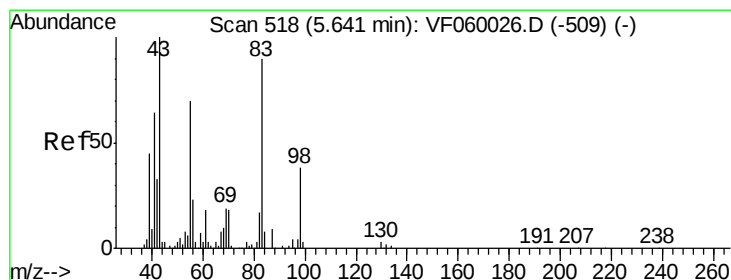
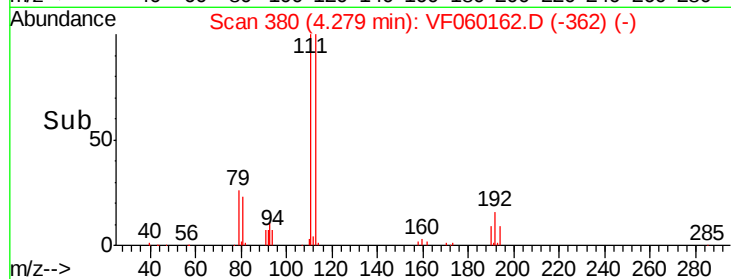
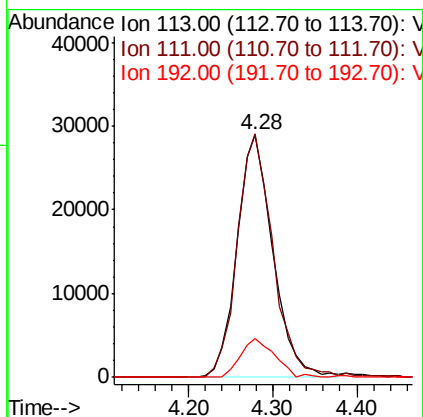
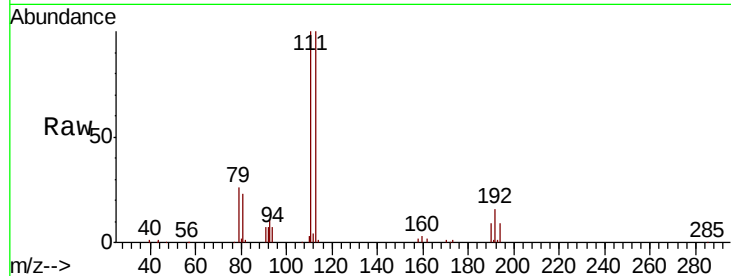




#35
 Dibromofluoromethane
 Concen: 56.58 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. -0.02 min
 Lab File: VF060162.D
 Acq: 28 Aug 2018 20:52

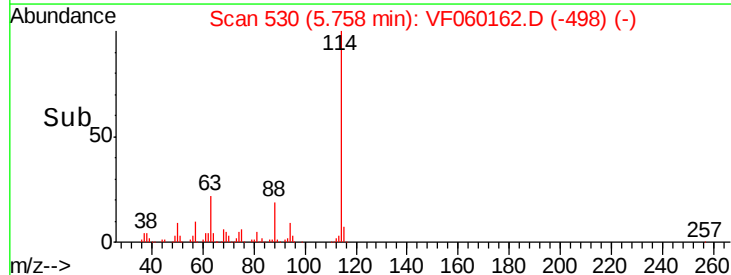
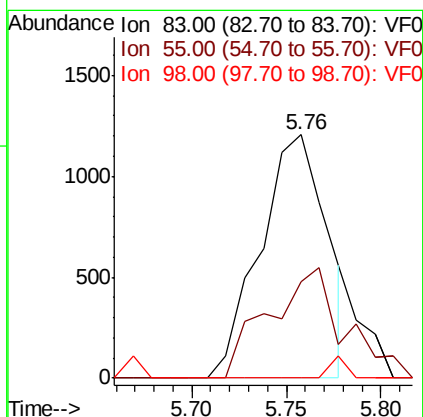
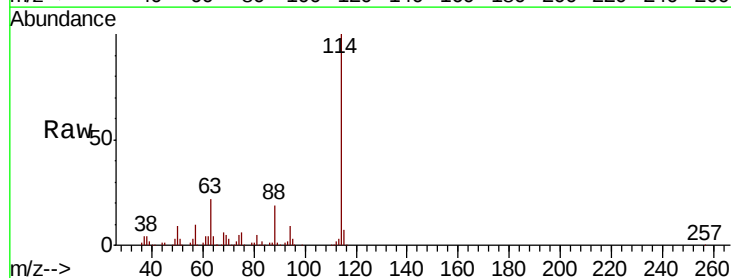
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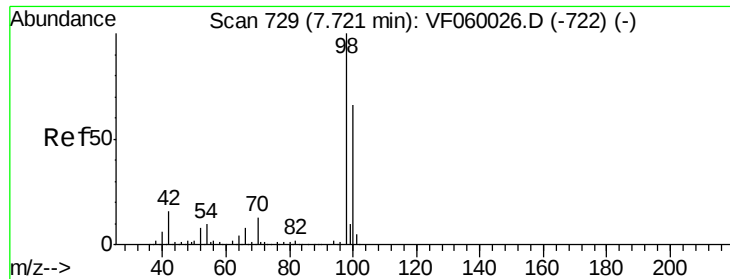
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.3	82.7	124.1
192	16.2	13.0	19.4



#39
 Methylcyclohexane
 Concen: 1.74 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. 0.12 min
 Lab File: VF060162.D
 Acq: 28 Aug 2018 20:52

Tgt Ion	Ratio	Lower	Upper
83	100		
55	39.6	62.7	94.1#
98	0.0	33.8	50.8#





#50

Toluene-d8

Concen: 41.69 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.02 min

Lab File: VF060162.D

Acq: 28 Aug 2018 20:52

Instrument :

MSVOA_F

ClientSampleId :

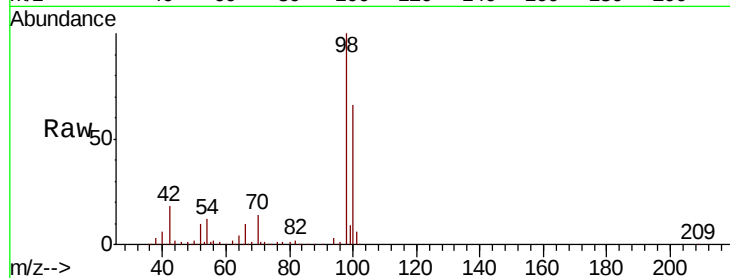
PL-05-082418-A

Tot Ion: 98 Resp: 180254

Ion Ratio Lower Upper

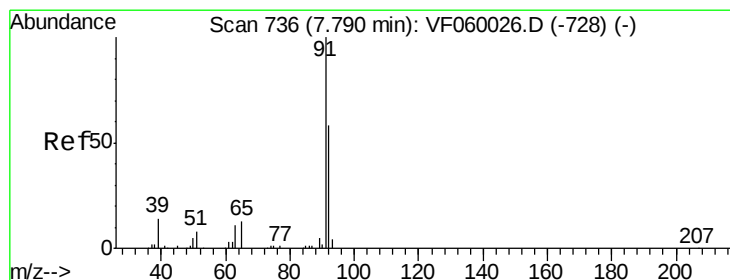
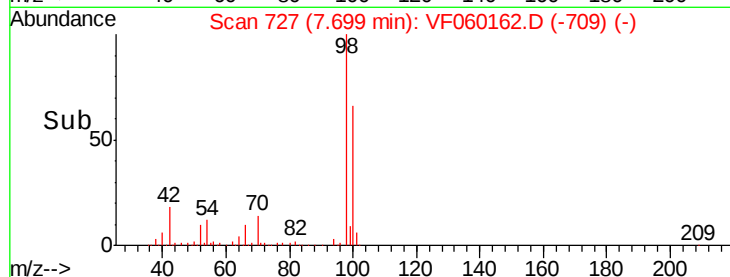
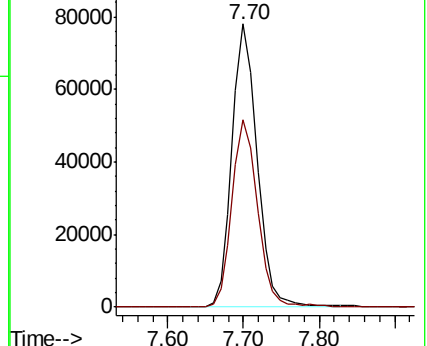
98 100

100 66.4 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#52

Toluene

Concen: Below Cal

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060162.D

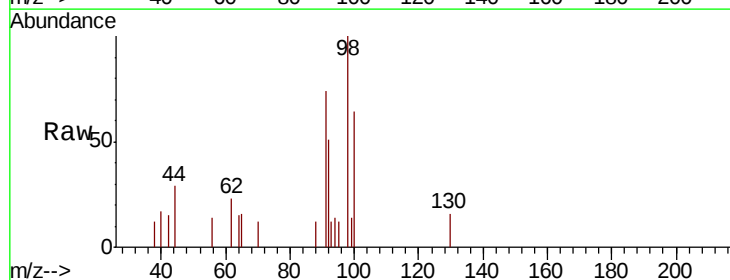
Acq: 28 Aug 2018 20:52

Tgt Ion: 92 Resp: 1188

Ion Ratio Lower Upper

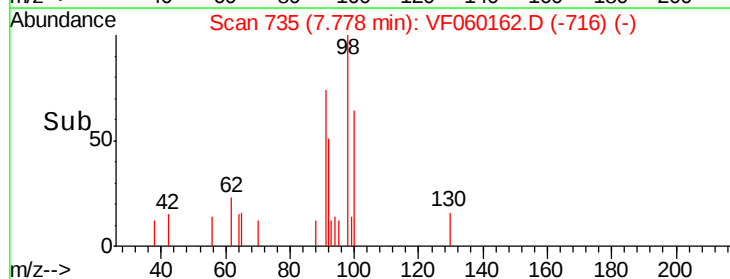
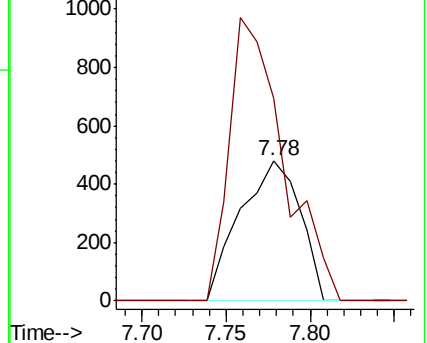
92 100

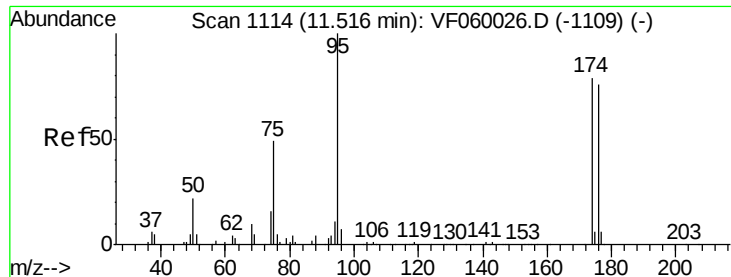
91 144.6 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#62

4-Bromofluorobenzene

Concen: 31.29 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060162.D

Acq: 28 Aug 2018 20:52

Instrument :

MSVOA_F

ClientSampleId :

PL-05-082418-A

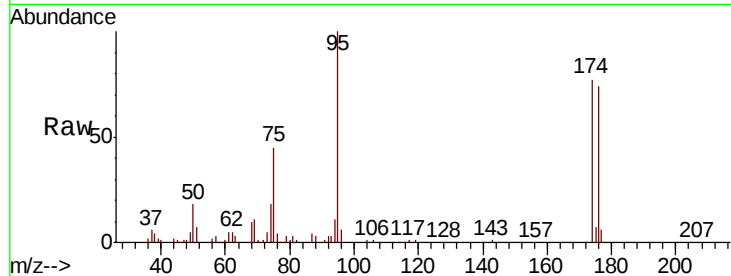
Tot Ion: 95 Resp: 71561

Ion Ratio Lower Upper

95 100

174 77.3 0.0 158.4

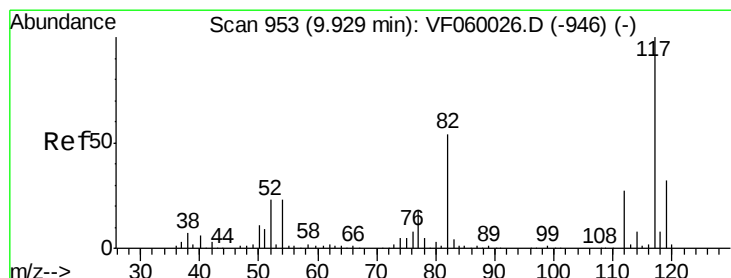
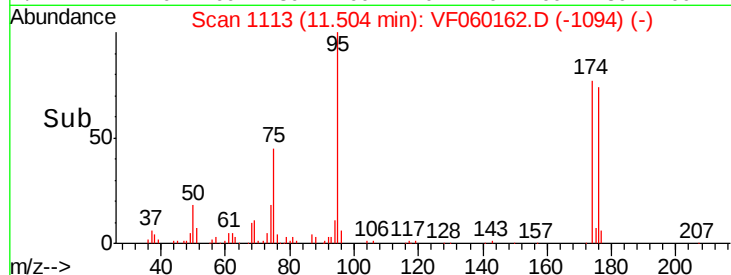
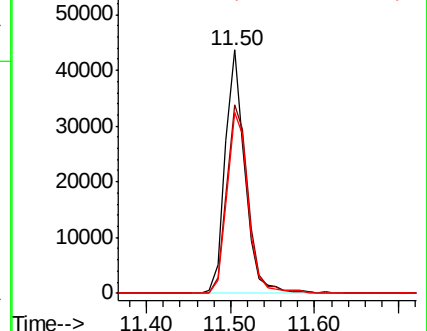
176 74.3 0.0 153.0



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: 50.00 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.02 min

Lab File: VF060162.D

Acq: 28 Aug 2018 20:52

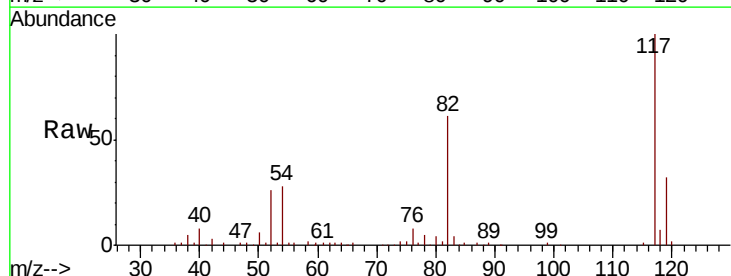
Tgt Ion: 117 Resp: 175445

Ion Ratio Lower Upper

117 100

82 60.9 43.6 65.4

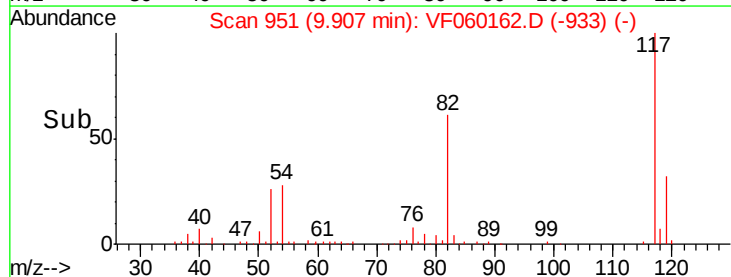
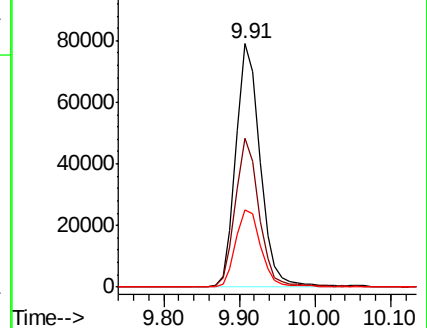
119 31.6 25.6 38.4

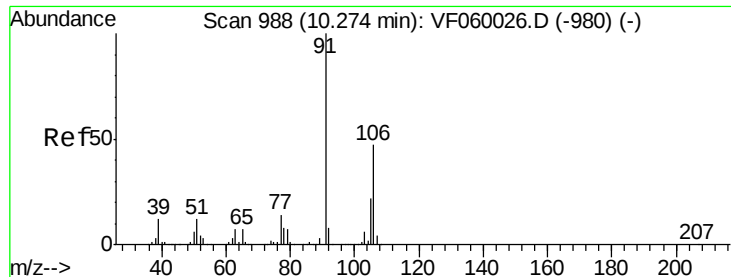


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

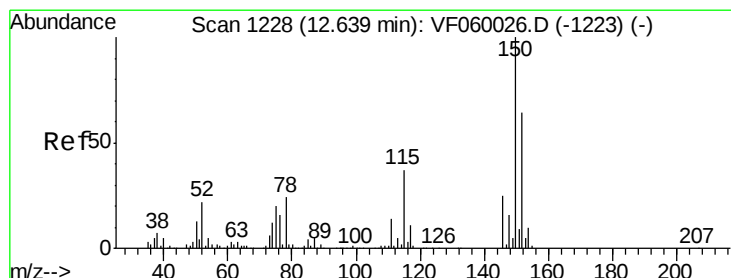
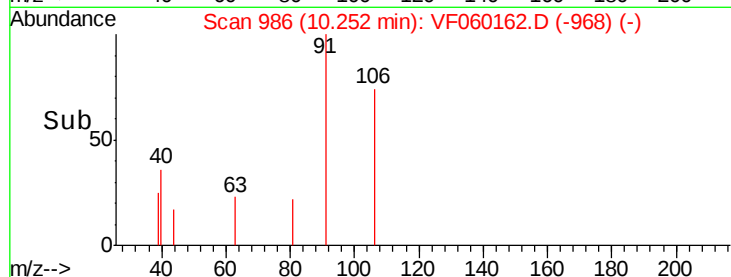
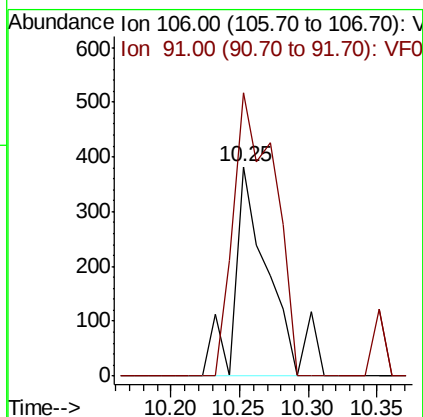
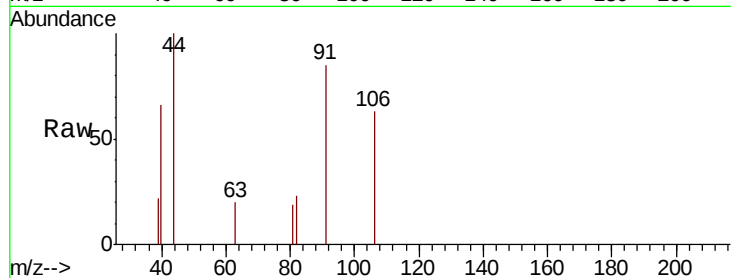




#68
m/p-Xvlenes
Concen: Below Cal
RT: 10.25 min Scan# 986
Delta R.T. -0.02 min
Lab File: VF060162.D
Acq: 28 Aug 2018 20:52

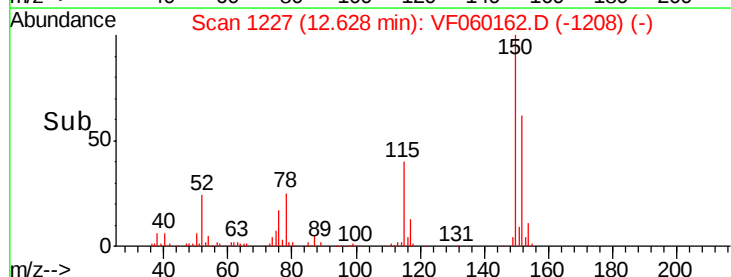
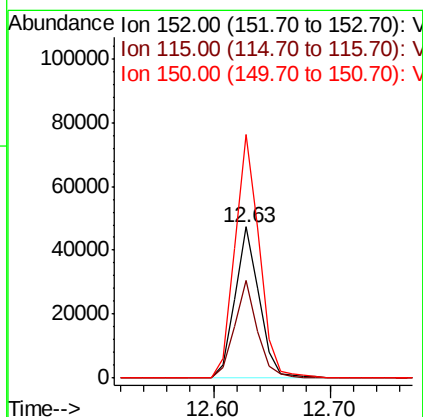
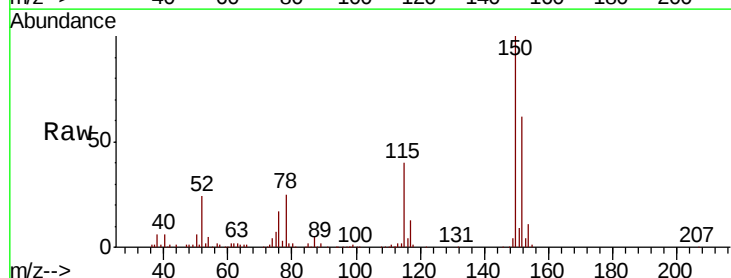
Instrument :
MSVOA_F
ClientSampleId :
PL-05-082418-A

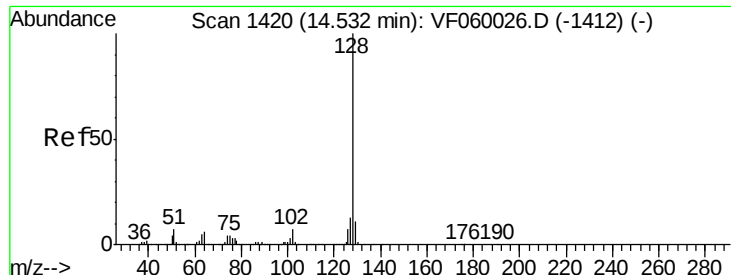
Tot Ion:106 Resp: 682
Ion Ratio Lower Upper
106 100
91 135.3 171.8 257.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF060162.D
Acq: 28 Aug 2018 20:52

Tgt Ion:152 Resp: 68523
Ion Ratio Lower Upper
152 100
115 65.0 28.6 85.9
150 161.1 0.0 312.0





#95

Naphthalene

Concen: 3.14 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF060162.D

Acq: 28 Aug 2018 20:52

Instrument :

MSVOA_F

ClientSampleId :

PL-05-082418-A

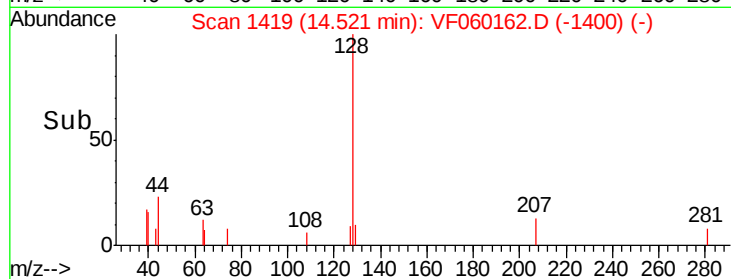
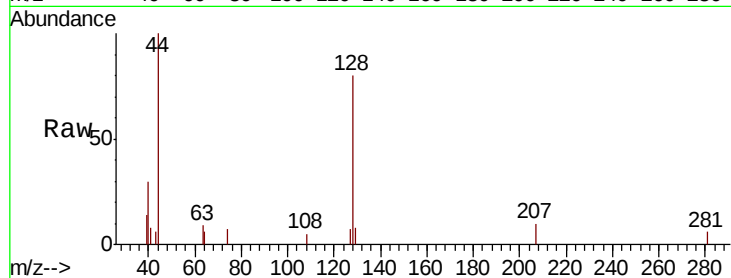
Tot Ion:128 Resp: 2283

Ion Ratio Lower Upper

128 100

127 8.5 10.4 15.6#

129 9.8 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

