

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082818\
 Data File : VF060163.D
 Acq On : 28 Aug 2018 21:20
 Operator : VA/AP
 Sample : J4280-03
 Misc : 6.25µ/5mL/MSVOA F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Aug 29 01:19:48 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	103476	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	122192	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	97493	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	31820	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	35724	25.23	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	50.46%	
35) Dibromofluoromethane	4.28	113	41781	43.54	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	87.08%	
50) Toluene-d8	7.71	98	102550	37.63	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	75.26%	
62) 4-Bromofluorobenzene	11.51	95	32466	22.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	45.04%	

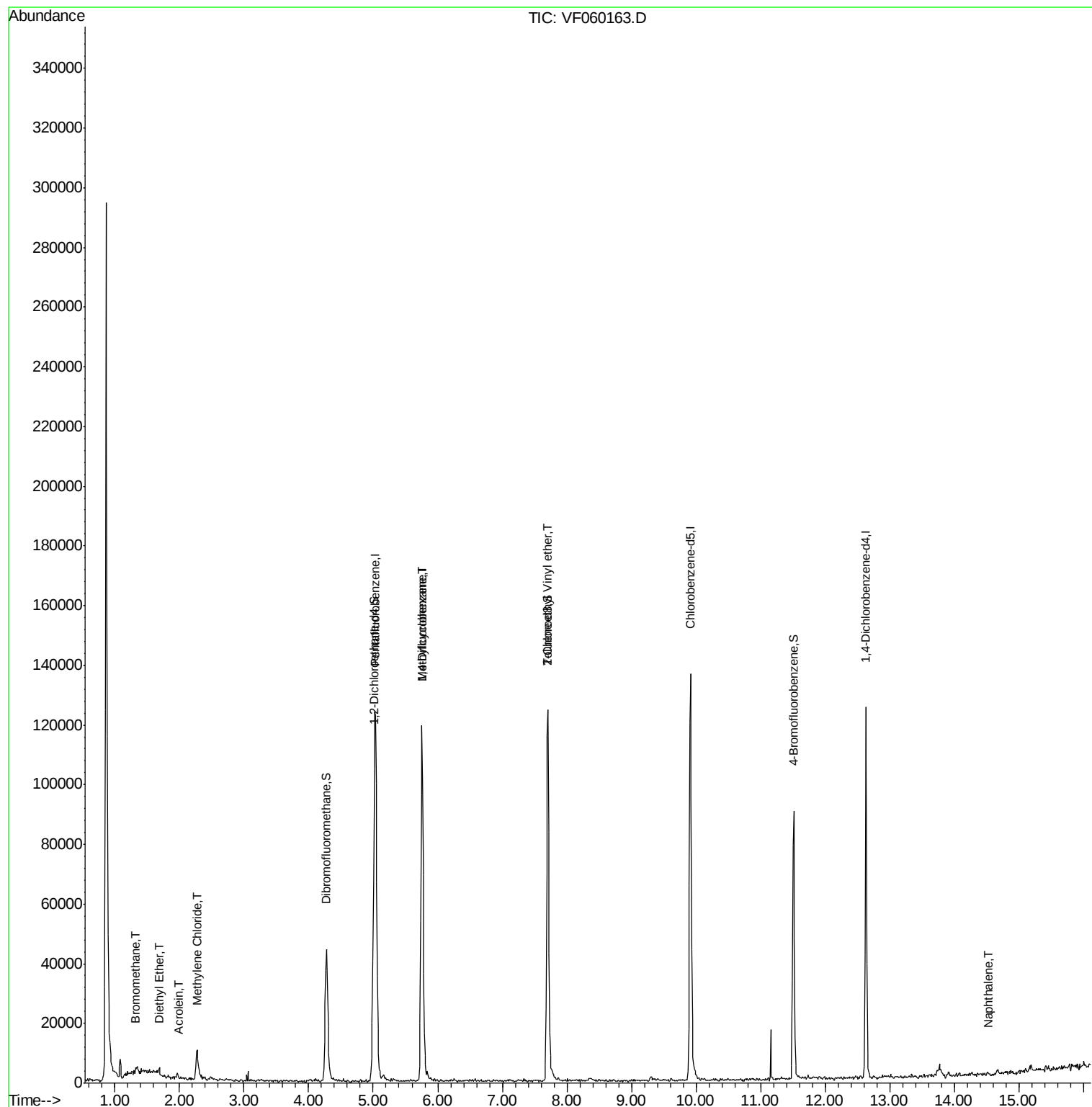
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.09	50	400	Below Cal	#	40
5) Bromomethane	1.32	94	855	1.33	ug/l #	48
8) Diethyl Ether	1.69	74	354	1.16	ug/l	100
13) Acrolein	2.00	56	71	27.70	ug/l #	8
18) Methyl Acetate	2.43	43	425	Below Cal	#	60
20) Methylene Chloride	2.27	84	4968	1.84	ug/l #	76
39) Methylcyclohexane	5.75	83	1608	1.49	ug/l #	41
52) Toluene	7.77	92	552	Below Cal	#	55
58) 2-Chloroethyl Vinyl ether	7.70	63	77	1.18	ug/l	100
95) Naphthalene	14.53	128	404	2.61	ug/l #	69

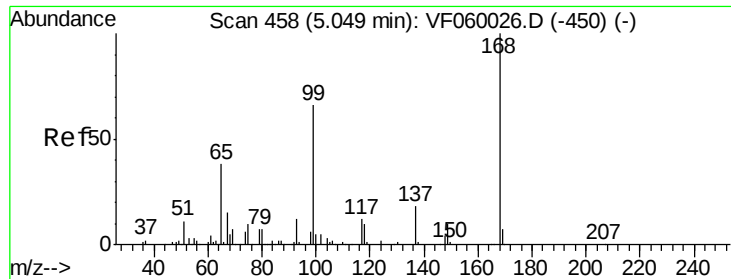
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 29 01:19:48 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: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF060163.D

Acq: 28 Aug 2018 21:20

Instrument :

MSVOA_F

ClientSampleId :

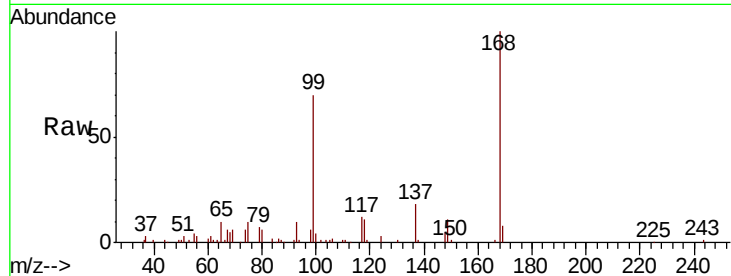
PL-05-082418-B

Tot Ion:168 Resp: 103476

Ion Ratio Lower Upper

168 100

99 69.7 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

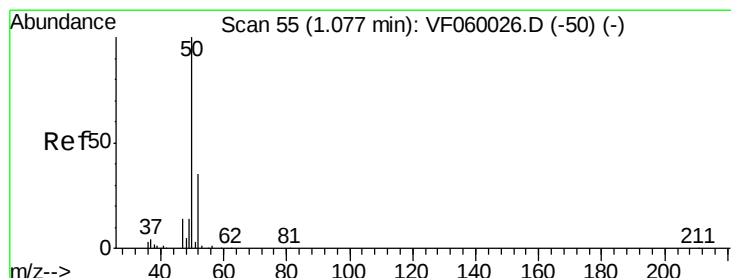
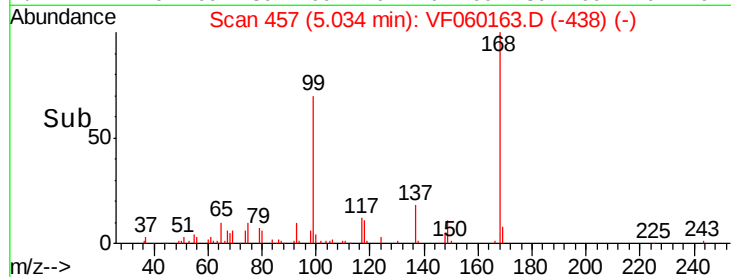
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.09 min Scan# 57

Delta R.T. 0.02 min

Lab File: VF060163.D

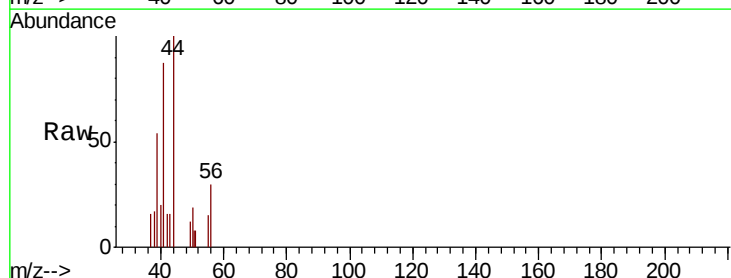
Acq: 28 Aug 2018 21:20

Tgt Ion: 50 Resp: 400

Ion Ratio Lower Upper

50 100

52 0.0 27.6 41.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

400

300

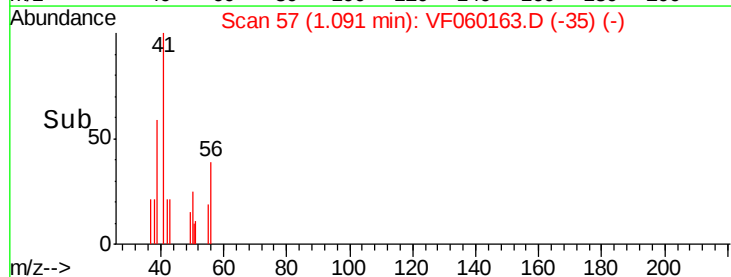
200

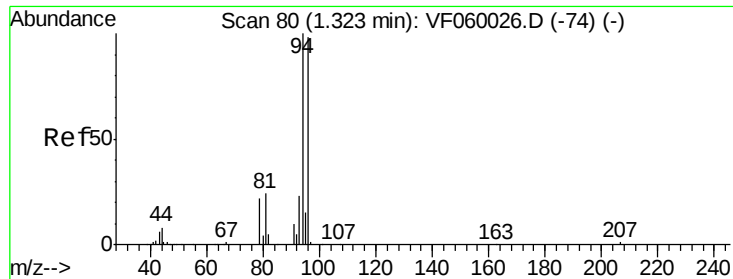
100

0

1.04 1.06 1.08 1.10

Time-->





#5

Bromomethane

Concen: 1.33 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060163.D

Acq: 28 Aug 2018 21:20

Instrument :

MSVOA_F

ClientSampleId :

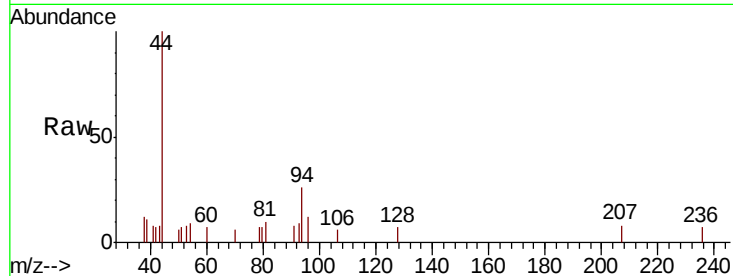
PL-05-082418-B

Tot Ion: 94 Resp: 855

Ion Ratio Lower Upper

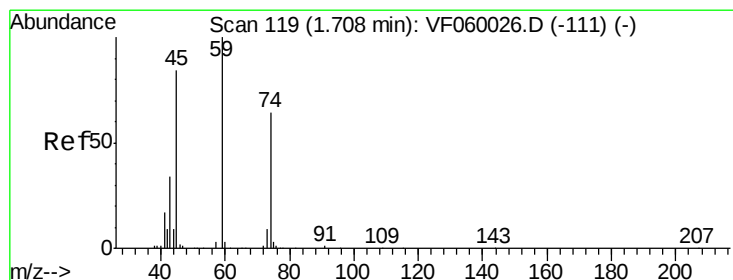
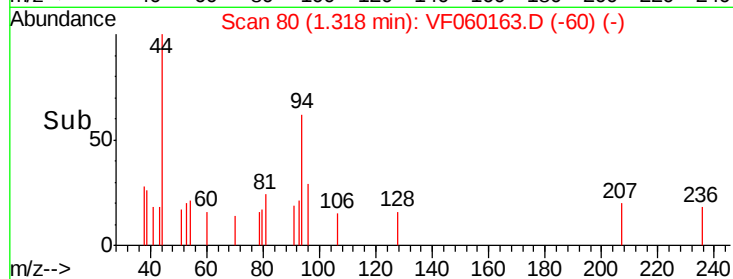
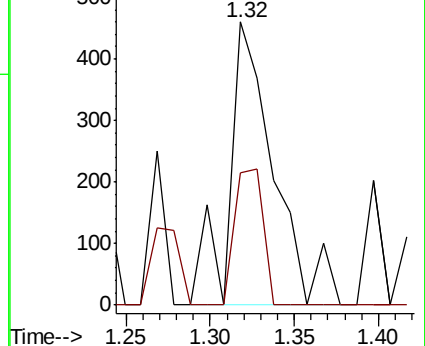
94 100

96 46.7 78.6 118.0#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#8

Diethyl Ether

Concen: 1.16 ug/l

RT: 1.69 min Scan# 118

Delta R.T. -0.02 min

Lab File: VF060163.D

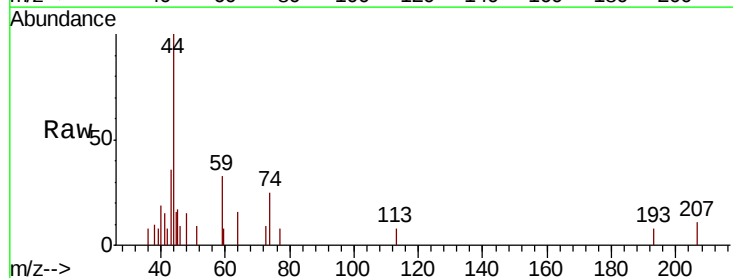
Acq: 28 Aug 2018 21:20

Tgt Ion: 74 Resp: 354

Ion Ratio Lower Upper

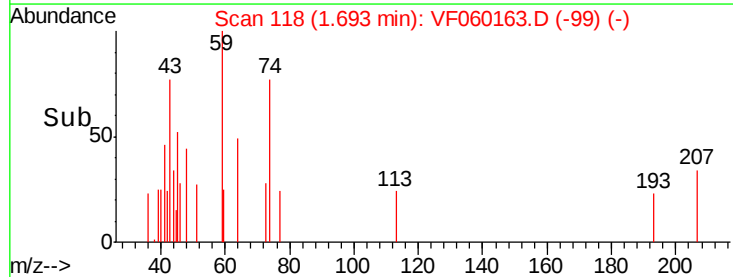
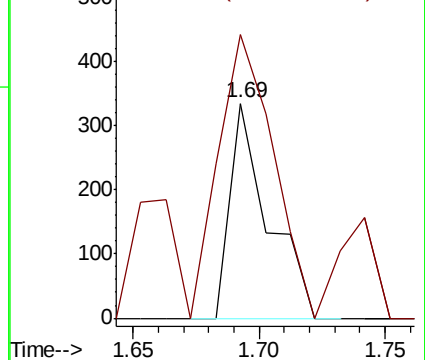
74 100

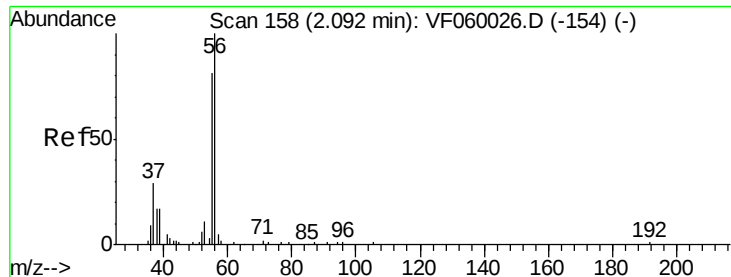
45 131.9 66.0 198.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#13

Acrolein

Concen: 27.70 ug/l

RT: 2.00 min Scan# 149

Delta R.T. -0.09 min

Lab File: VF060163.D

Acq: 28 Aug 2018 21:20

Instrument :

MSVOA_F

ClientSampleId :

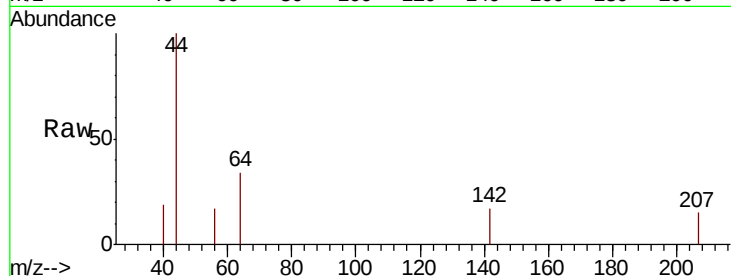
PL-05-082418-B

Tot Ion: 56 Resp: 71

Ion Ratio Lower Upper

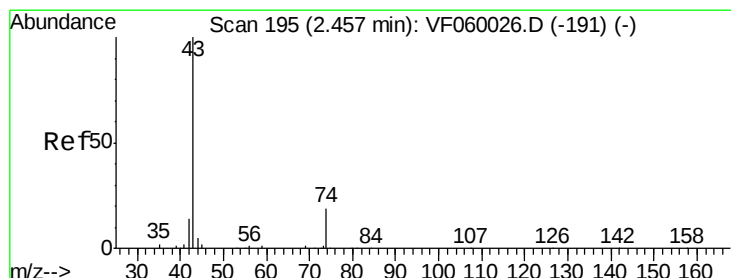
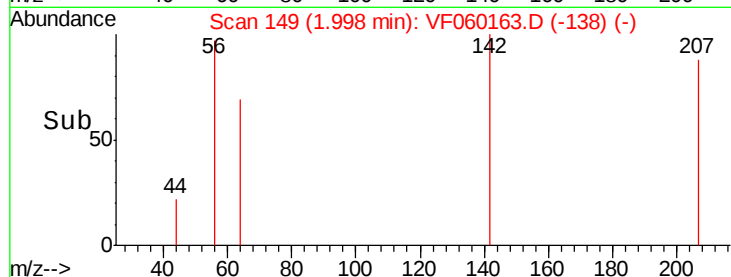
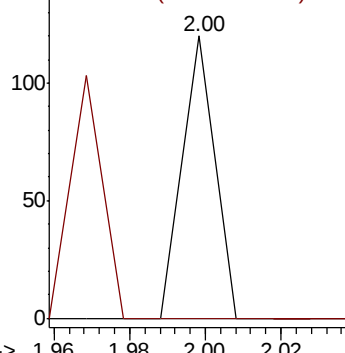
56 100

55 0.0 65.6 98.4#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.43 min Scan# 193

Delta R.T. -0.02 min

Lab File: VF060163.D

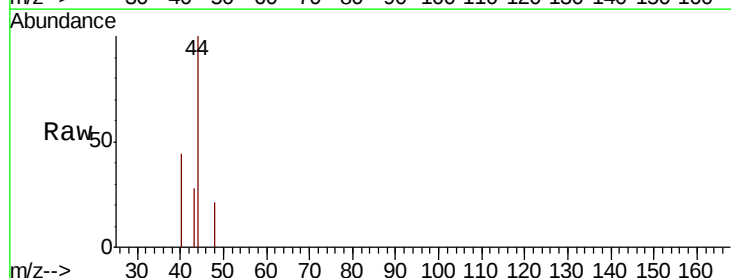
Acq: 28 Aug 2018 21:20

Tgt Ion: 43 Resp: 425

Ion Ratio Lower Upper

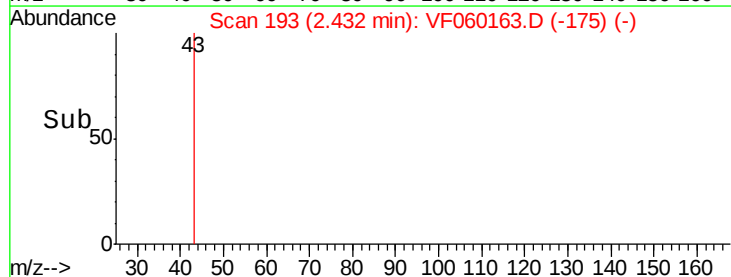
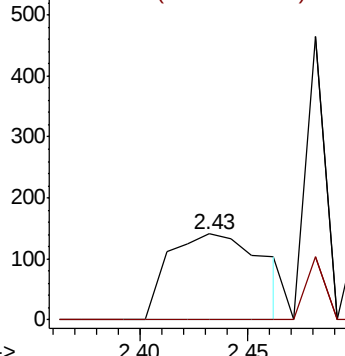
43 100

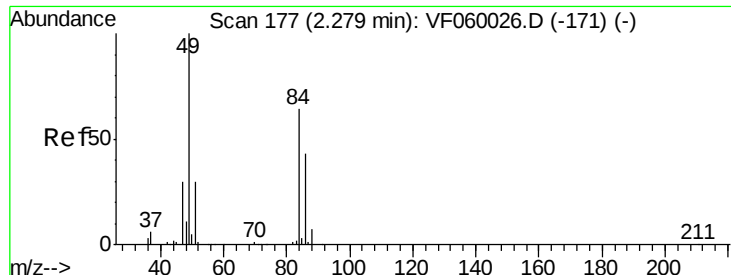
74 0.0 13.8 20.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

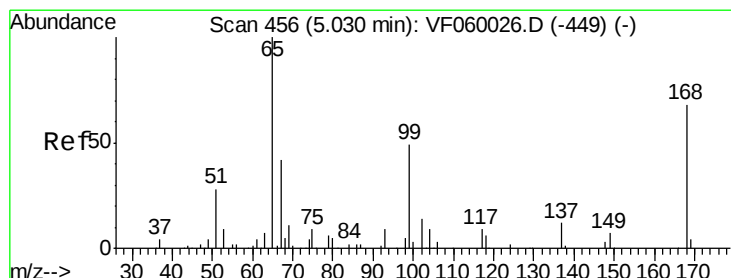
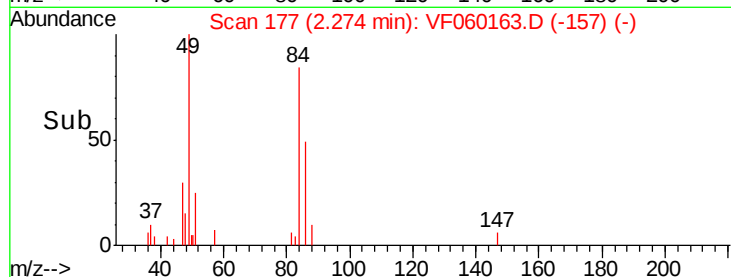
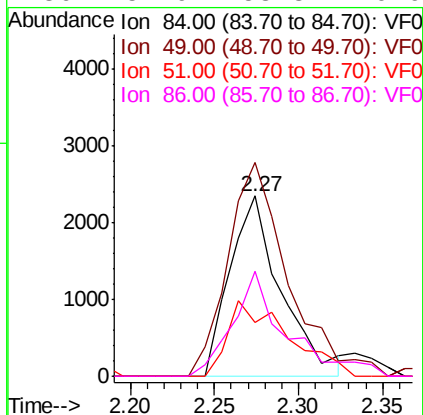
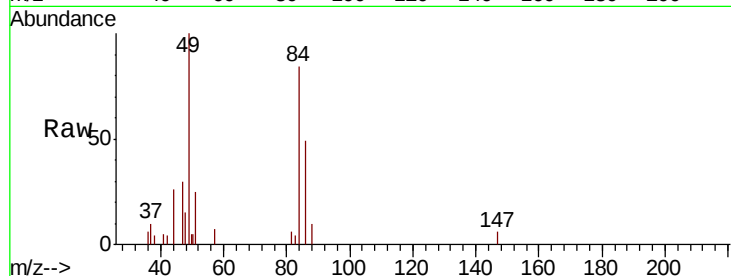




#20
Methvlene Chloride
Concen: 1.84 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF060163.D
Acq: 28 Aug 2018 21:20

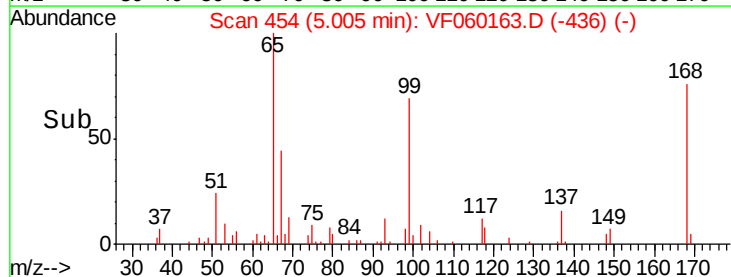
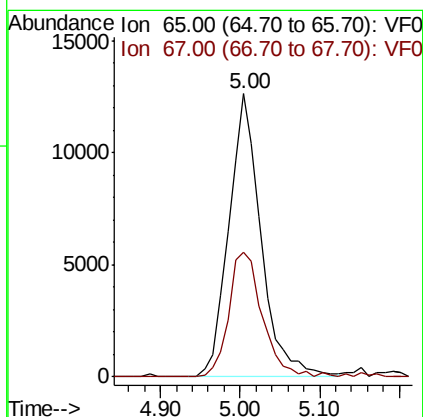
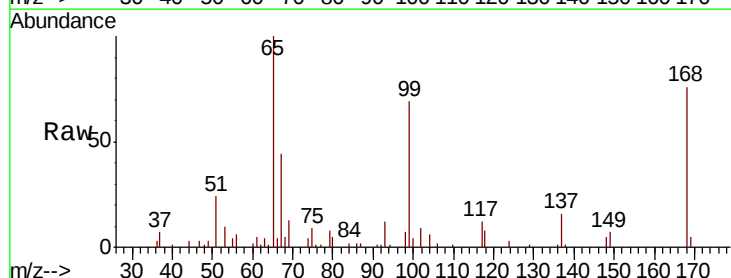
Instrument :
MSVOA_F
ClientSampleId :
PL-05-082418-B

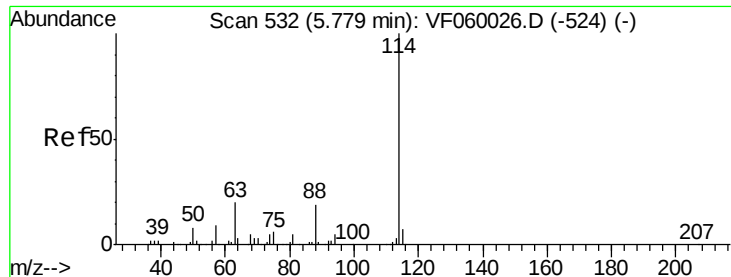
Tot Ion:	84	Resp:	4968
Ion	Ratio	Lower	Upper
84	100		
49	118.4	125.4	188.0#
51	29.9	38.3	57.5#
86	57.9	53.3	79.9



#33
1,2-Dichloroethane-d4
Concen: 25.23 ug/l
RT: 5.00 min Scan# 454
Delta R.T. -0.02 min
Lab File: VF060163.D
Acq: 28 Aug 2018 21:20

Tgt Ion:	65	Resp:	35724
Ion	Ratio	Lower	Upper
65	100		
67	44.1	0.0	92.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.02 min

Lab File: VF060163.D

Acq: 28 Aug 2018 21:20

Instrument :

MSVOA_F

ClientSampleId :

PL-05-082418-B

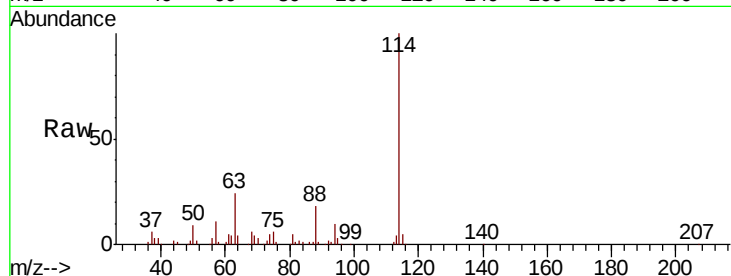
Tot Ion:114 Resp: 122192

Ion Ratio Lower Upper

114 100

63 24.2 0.0 40.4

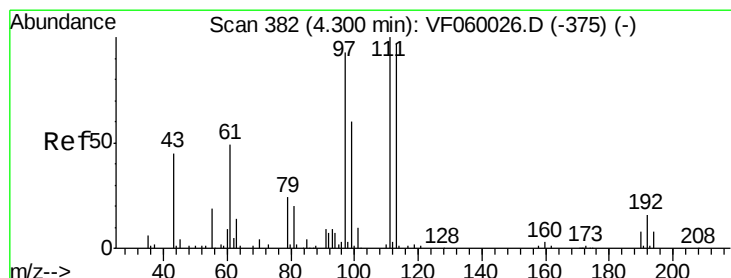
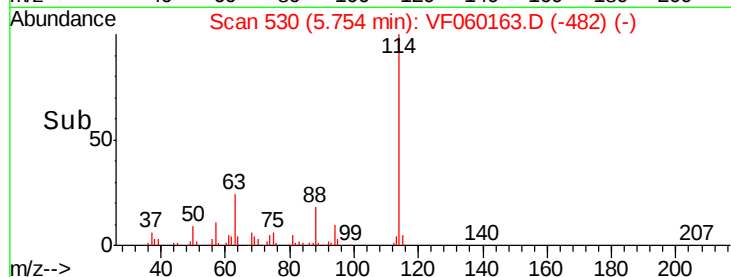
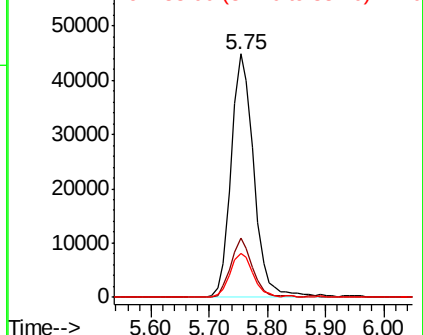
88 18.2 0.0 38.6



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: 43.54 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF060163.D

Acq: 28 Aug 2018 21:20

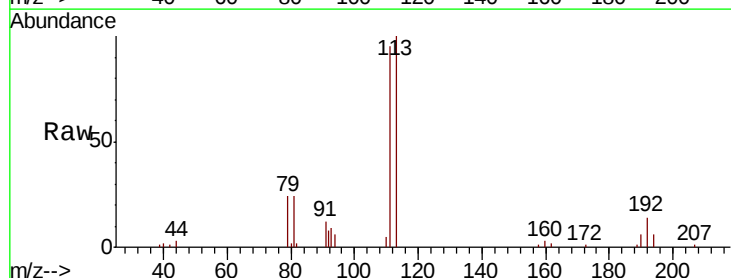
Tgt Ion:113 Resp: 41781

Ion Ratio Lower Upper

113 100

111 95.2 82.7 124.1

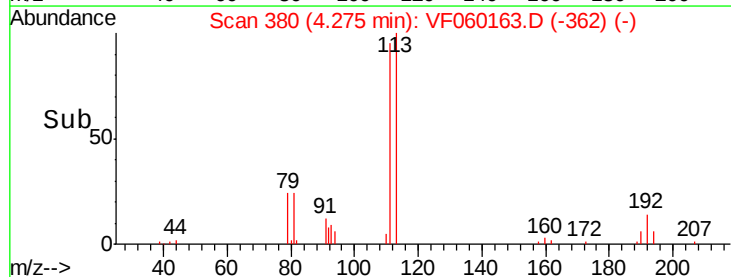
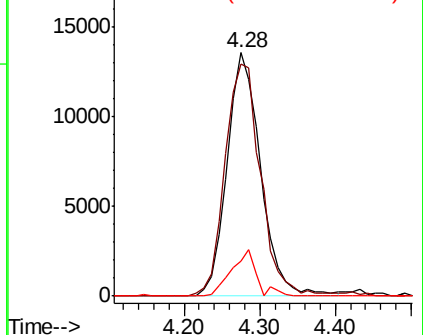
192 14.4 13.0 19.4

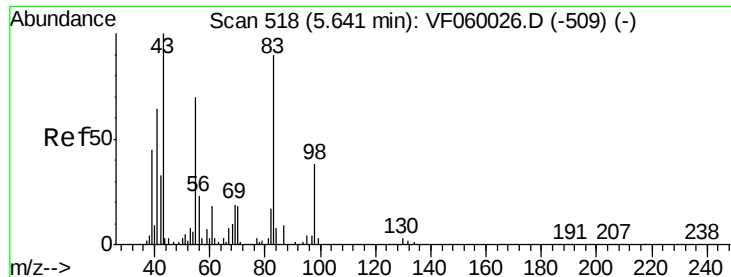


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

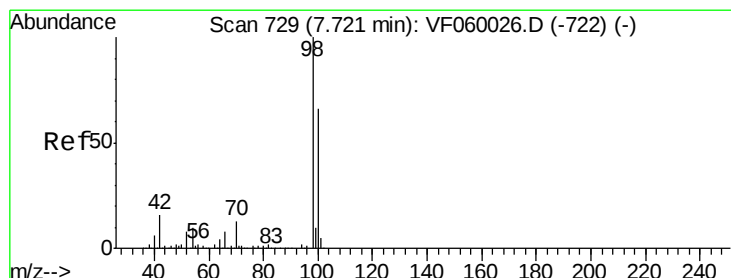
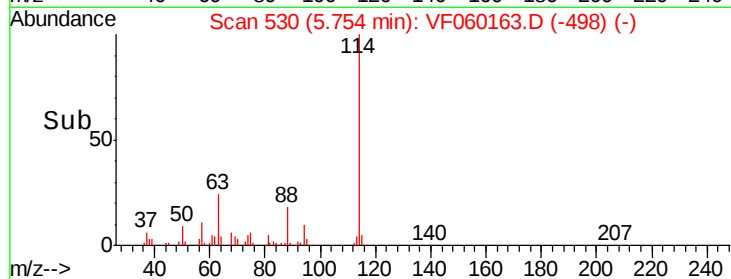
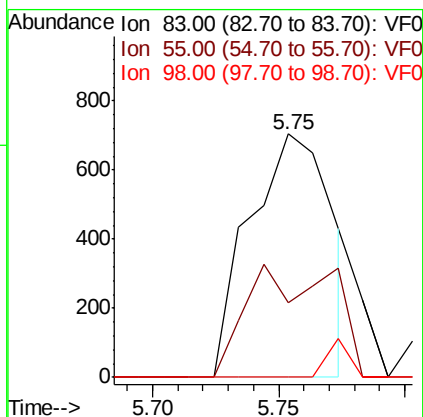
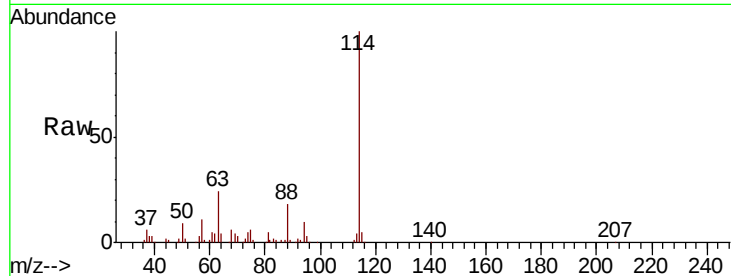




#39
Methylcyclohexane
Concen: 1.49 ug/l
RT: 5.75 min Scan# 530
Delta R.T. 0.11 min
Lab File: VF060163.D
Acq: 28 Aug 2018 21:20

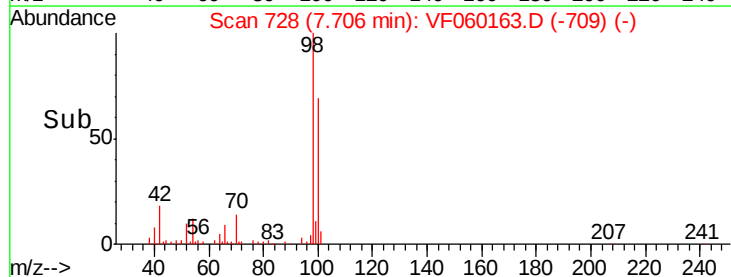
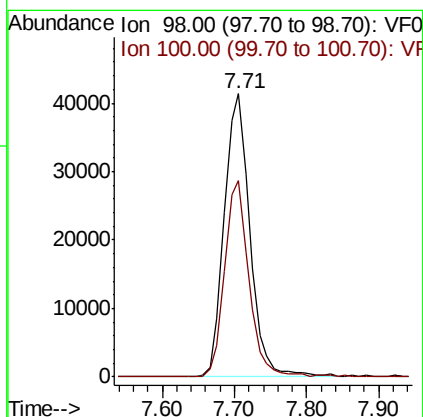
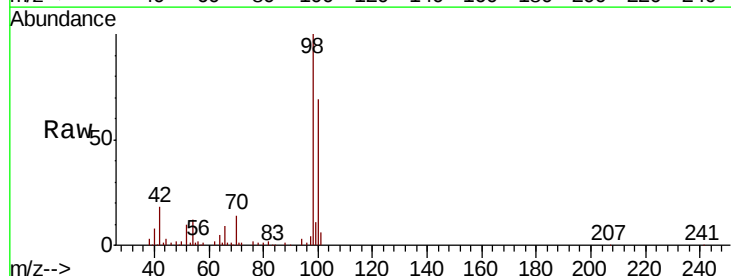
Instrument :
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PL-05-082418-B

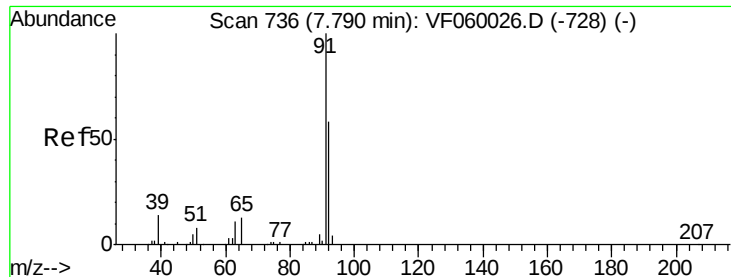
Tot Ion: 83 Resp: 1608
Ion Ratio Lower Upper
83 100
55 30.8 62.7 94.1#
98 0.0 33.8 50.8#



#50
Toluene-d8
Concen: 37.63 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.02 min
Lab File: VF060163.D
Acq: 28 Aug 2018 21:20

Tgt Ion: 98 Resp: 102550
Ion Ratio Lower Upper
98 100
100 69.4 53.2 79.8





#52

Toluene

Concen: Below Cal

RT: 7.77 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060163.D

Acq: 28 Aug 2018 21:20

Instrument :

MSVOA_F

ClientSampleId :

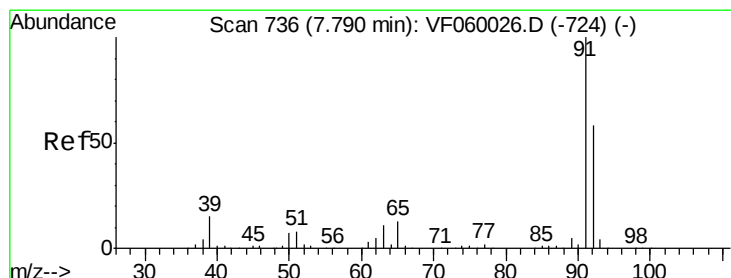
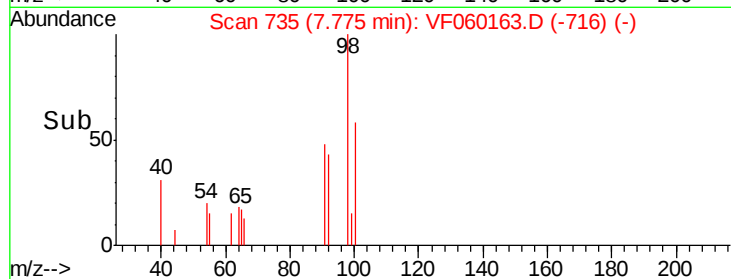
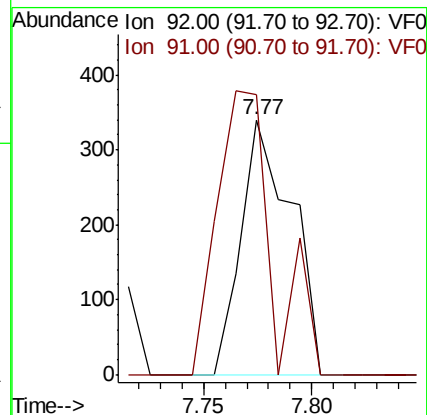
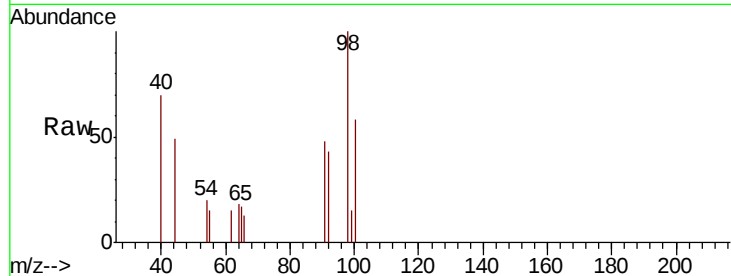
PL-05-082418-B

Tot Ion: 92 Resp: 552

Ion Ratio Lower Upper

92 100

91 110.0 137.7 206.5#



#58

2-Chloroethyl Vinyl ether

Concen: 1.18 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.09 min

Lab File: VF060163.D

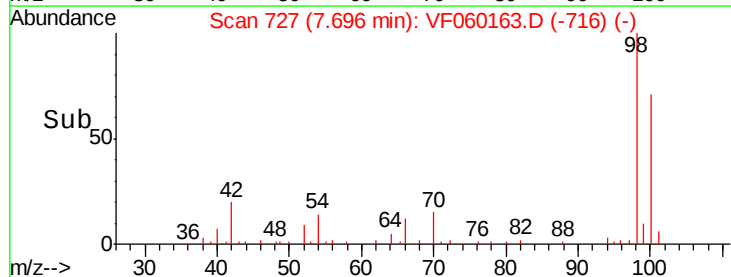
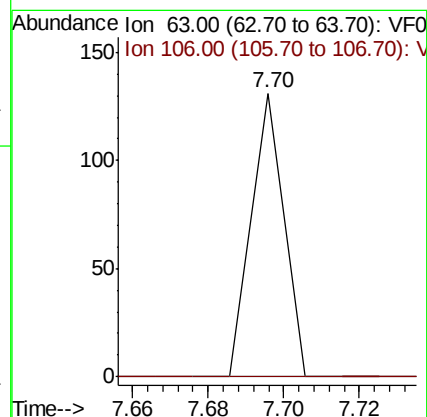
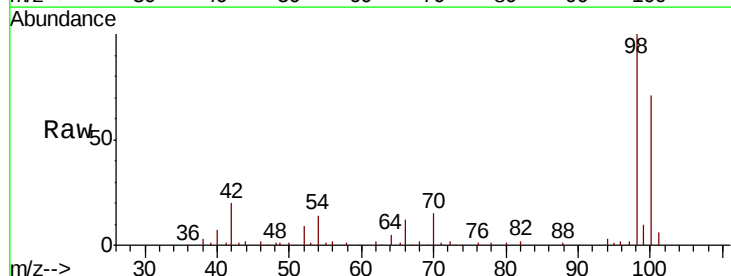
Acq: 28 Aug 2018 21:20

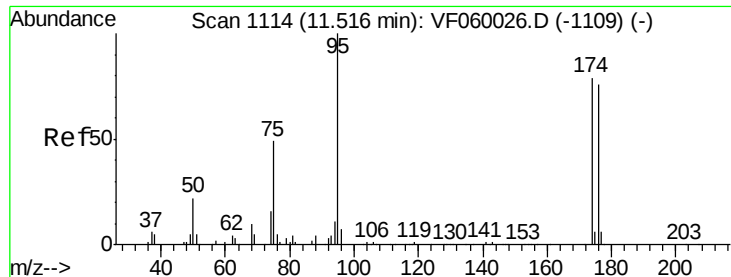
Tgt Ion: 63 Resp: 77

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#62

4-Bromofluorobenzene

Concen: 22.52 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF060163.D

Acq: 28 Aug 2018 21:20

Instrument :

MSVOA_F

ClientSampleId :

PL-05-082418-B

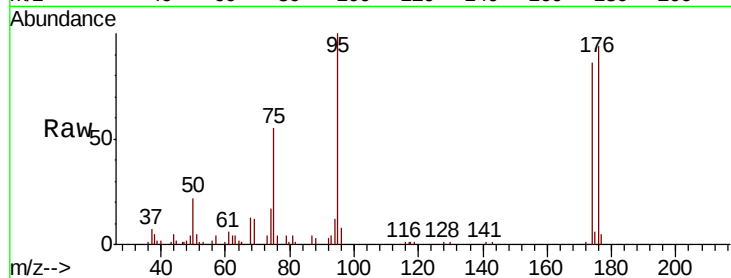
Tot Ion: 95 Resp: 32466

Ion Ratio Lower Upper

95 100

174 86.3 0.0 158.4

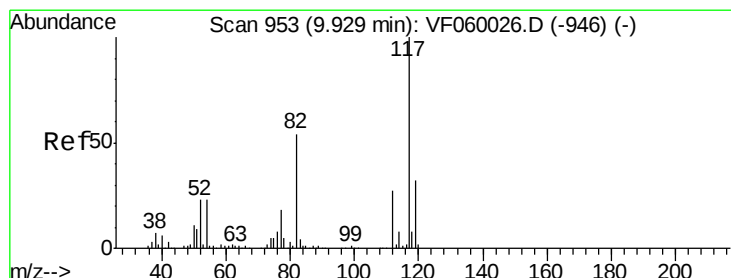
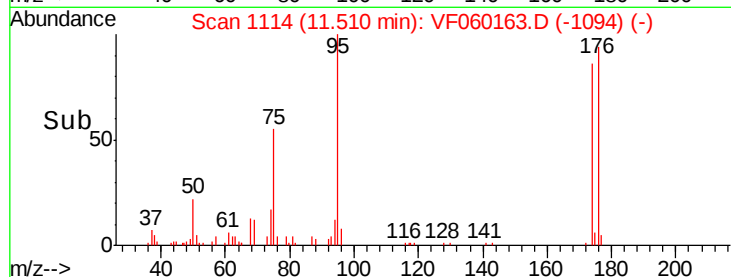
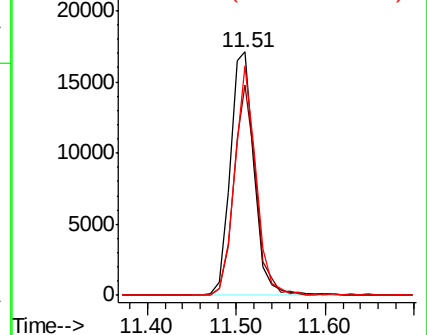
176 94.4 0.0 153.0



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# 952

Delta R.T. -0.02 min

Lab File: VF060163.D

Acq: 28 Aug 2018 21:20

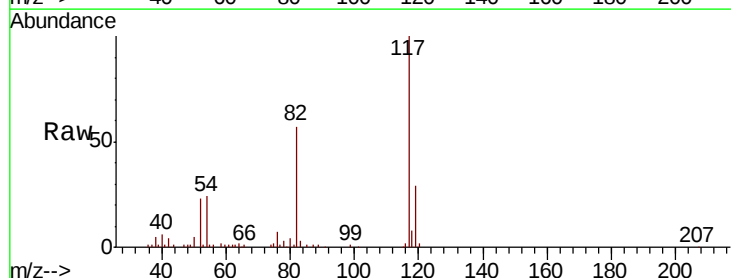
Tgt Ion: 117 Resp: 97493

Ion Ratio Lower Upper

117 100

82 57.3 43.6 65.4

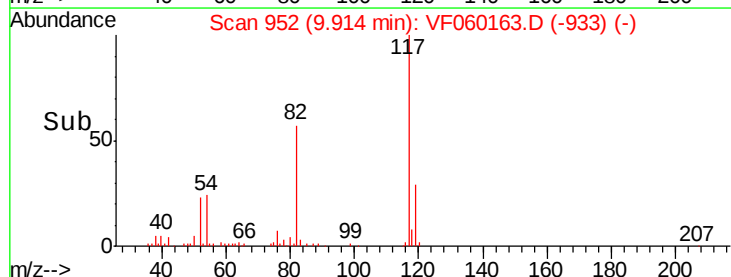
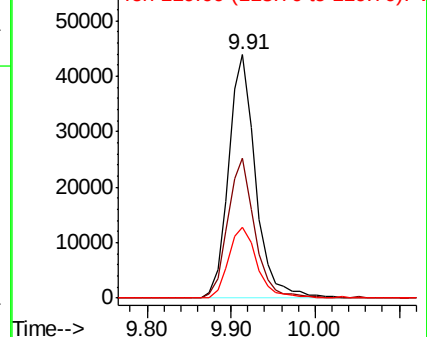
119 29.1 25.6 38.4

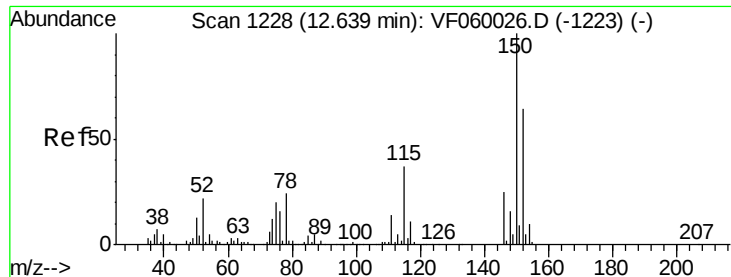


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF060163.D

Acq: 28 Aug 2018 21:20

Instrument :

MSVOA_F

ClientSampleId :

PL-05-082418-B

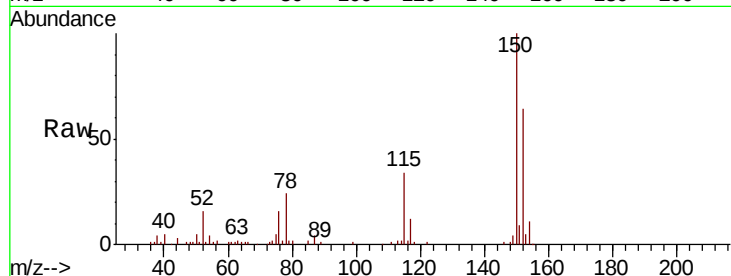
Tot Ion:152 Resp: 31820

Ion Ratio Lower Upper

152 100

115 53.7 28.6 85.9

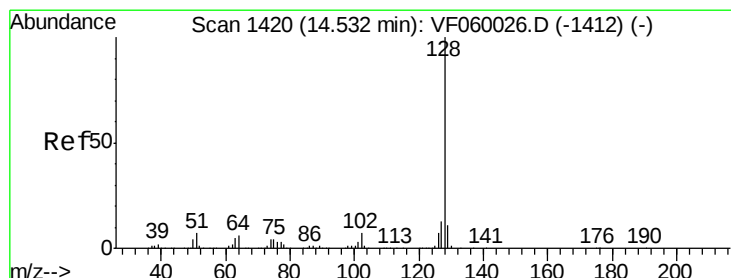
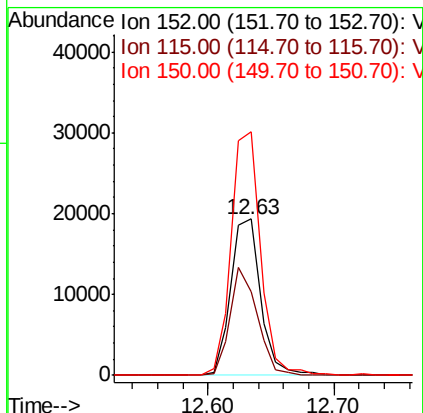
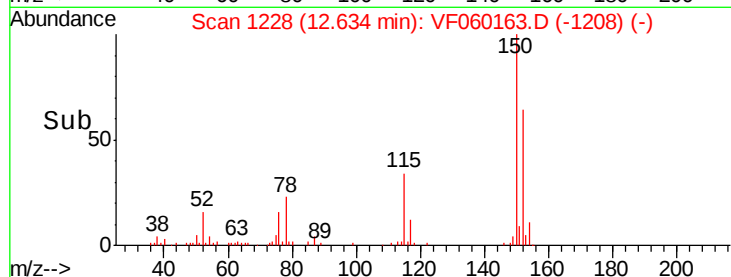
150 156.1 0.0 312.0



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: 2.61 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VF060163.D

Acq: 28 Aug 2018 21:20

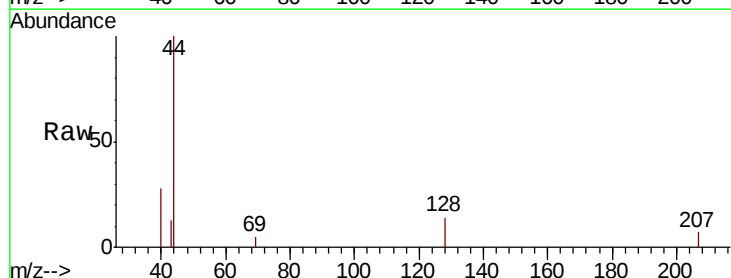
Tgt Ion:128 Resp: 404

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

