

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082818\
 Data File : VF060151.D
 Acq On : 28 Aug 2018 15:50
 Operator : VA/AP
 Sample : J4646-01RE
 Misc : 5.58g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q4-A5RE

Quant Time: Aug 28 16:17:58 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

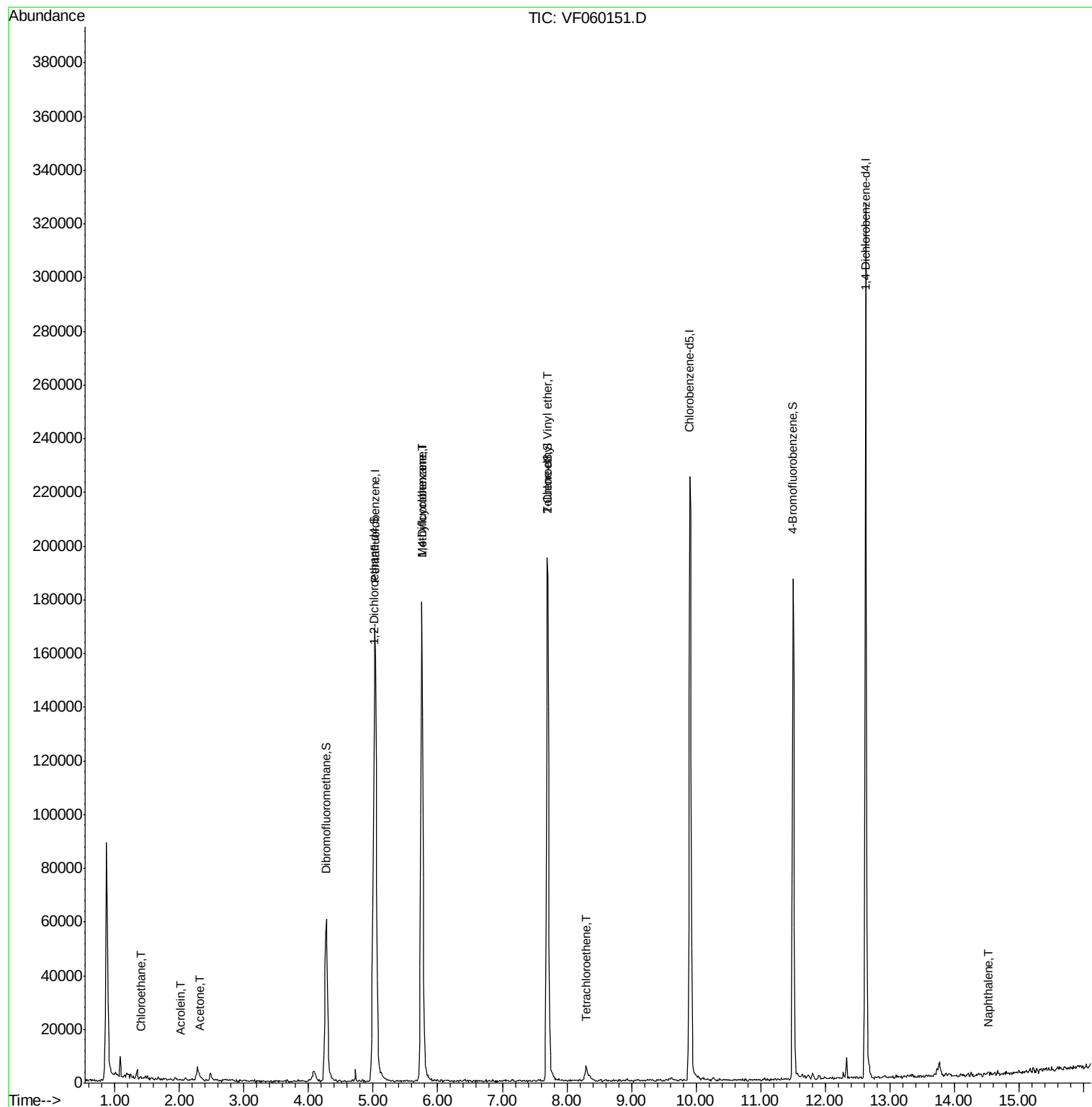
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	143606	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	180144	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	156057	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	77027	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	44785	22.79	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	45.58%	
35) Dibromofluoromethane	4.28	113	55200	39.02	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	78.04%	
50) Toluene-d8	7.71	98	166146	41.36	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	82.72%	
62) 4-Bromofluorobenzene	11.50	95	64599	30.40	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	60.80%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.08	50	668	Below Cal		91
6) Chloroethane	1.40	64	625	1.351 ug/l #		87
13) Acrolein	2.02	56	63	27.206 ug/l #		8
16) Acetone	2.32	43	561	1.086 ug/l #		63
18) Methyl Acetate	2.48	43	683	Below Cal #		60
20) Methylene Chloride	2.28	84	2518	Below Cal		91
39) Methylcyclohexane	5.75	83	2752	1.734 ug/l #		53
52) Toluene	7.78	92	253	Below Cal #		34
58) 2-Chloroethyl Vinyl ether	7.71	63	190	1.982 ug/l		100
64) Tetrachloroethene	8.29	164	1466	1.395 ug/l #		78
68) m/p-Xylenes	10.26	106	376	Below Cal		80
95) Naphthalene	14.52	128	597	2.485 ug/l #		56

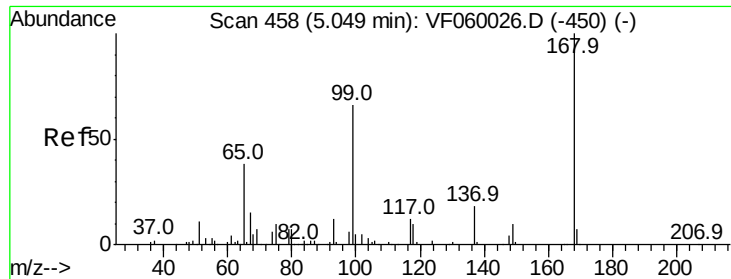
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082818\
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Quant Time: Aug 28 16:17:58 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: VF060151.D

Acq: 28 Aug 2018 15:50

Instrument :

MSVOA_F

ClientSampleId :

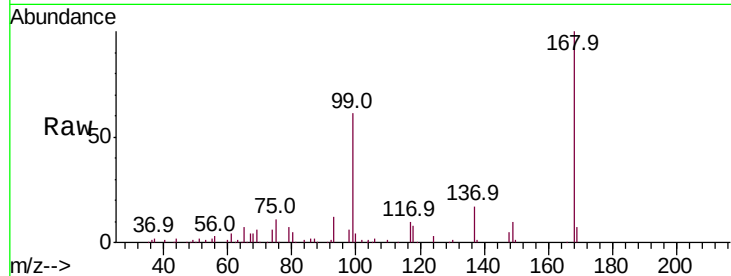
EP1-Q4-A5RE

Tot Ion:168 Resp: 143606

Ion Ratio Lower Upper

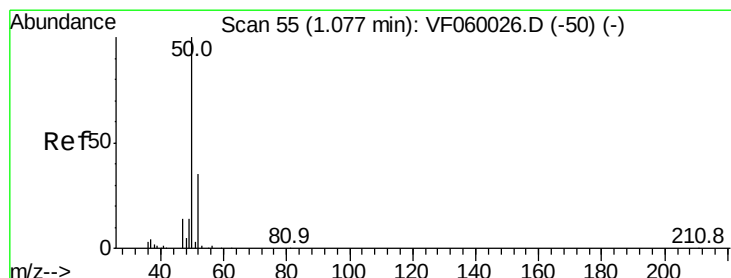
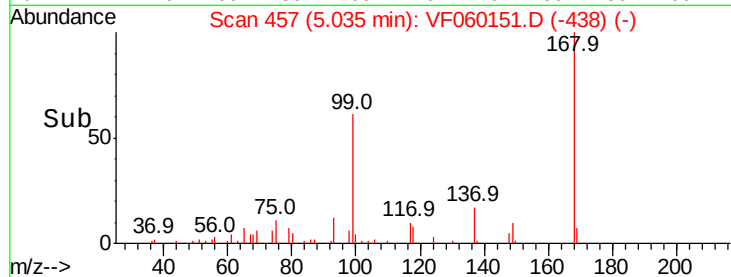
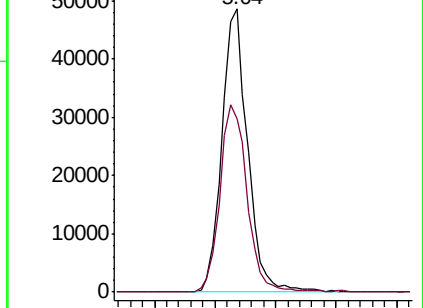
168 100

99 61.4 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: Below Cal

RT: 1.08 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF060151.D

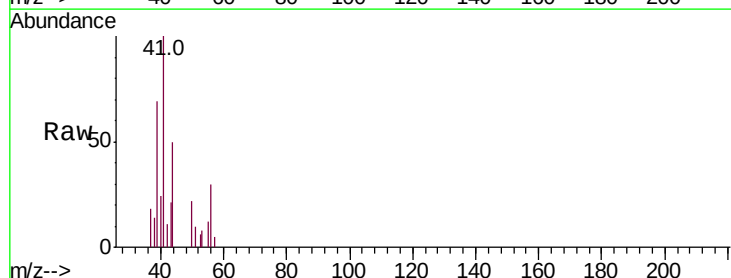
Acq: 28 Aug 2018 15:50

Tgt Ion: 50 Resp: 668

Ion Ratio Lower Upper

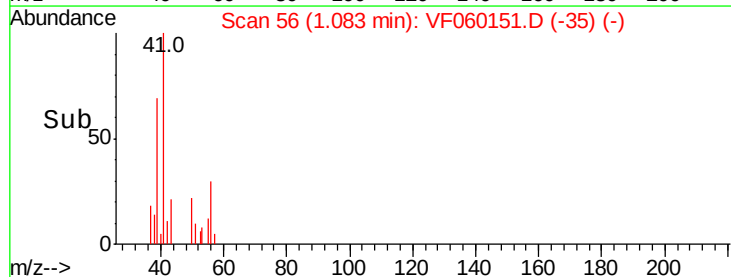
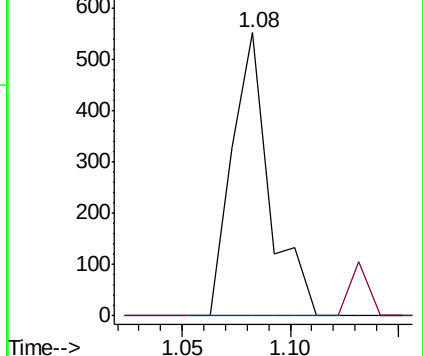
50 100

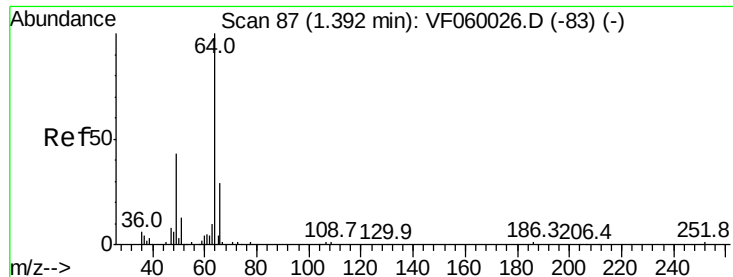
52 29.2 27.6 41.4



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#6

Chloroethane

Concen: 1.351 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.01 min

Lab File: VF060151.D

Acq: 28 Aug 2018 15:50

Instrument :

MSVOA_F

ClientSampleId :

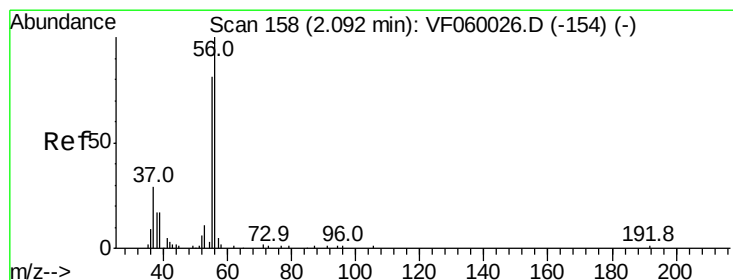
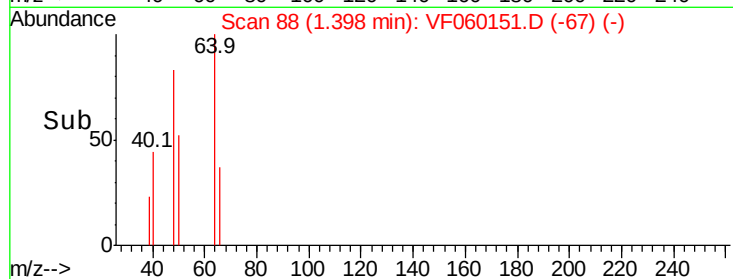
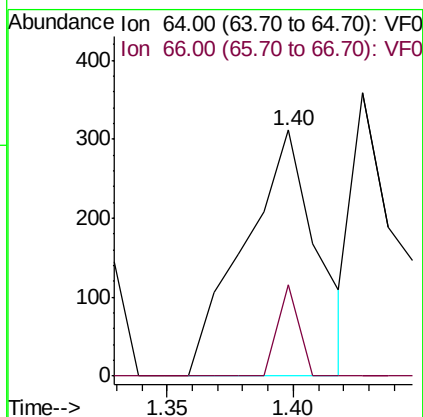
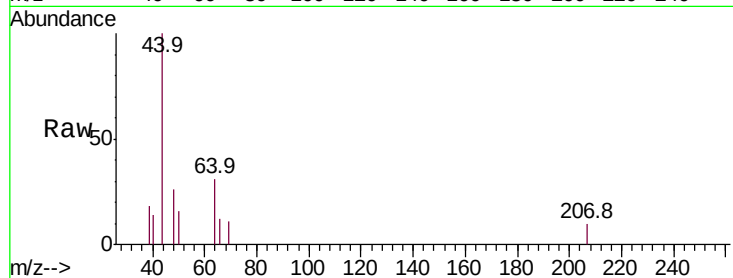
EP1-Q4-A5RE

Tot Ion: 64 Resp: 625

Ion Ratio Lower Upper

64 100

66 37.0 24.1 36.1#



#13

Acrolein

Concen: 27.206 ug/l

RT: 2.02 min Scan# 151

Delta R.T. -0.07 min

Lab File: VF060151.D

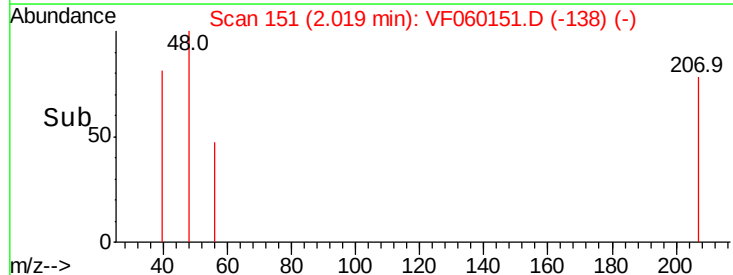
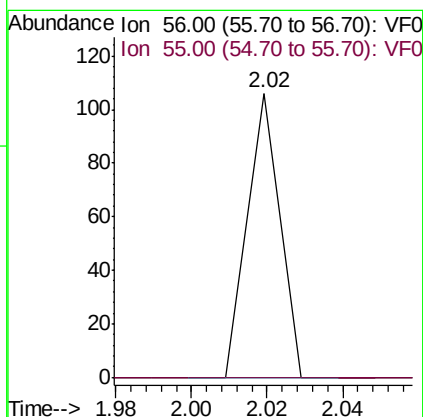
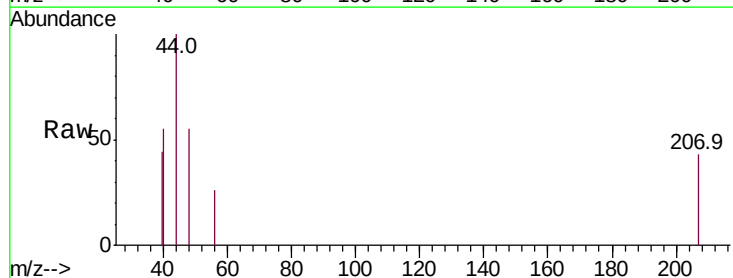
Acq: 28 Aug 2018 15:50

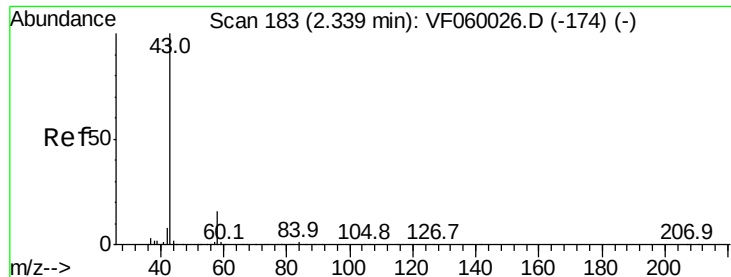
Tgt Ion: 56 Resp: 63

Ion Ratio Lower Upper

56 100

55 0.0 65.6 98.4#





#16

Acetone

Concen: 1.086 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF060151.D

Acq: 28 Aug 2018 15:50

Instrument :

MSVOA_F

ClientSampleId :

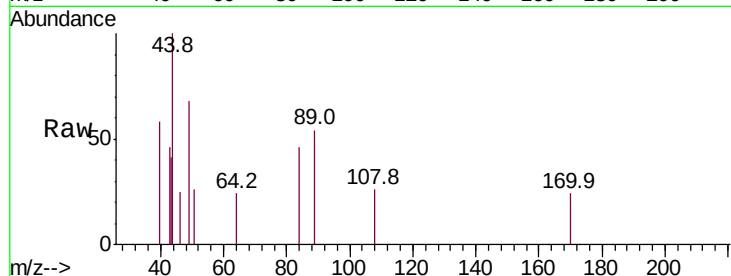
EP1-Q4-A5RE

Tot Ion: 43 Resp: 561

Ion Ratio Lower Upper

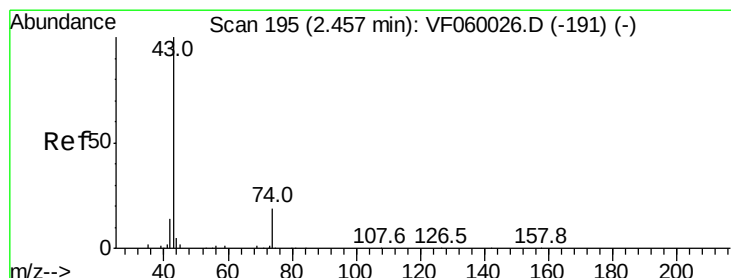
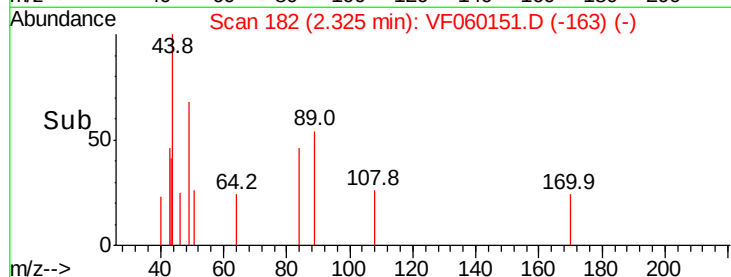
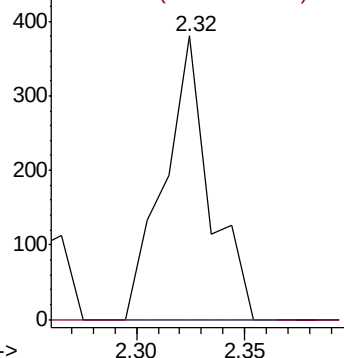
43 100

58 0.0 12.6 19.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.48 min Scan# 198

Delta R.T. 0.03 min

Lab File: VF060151.D

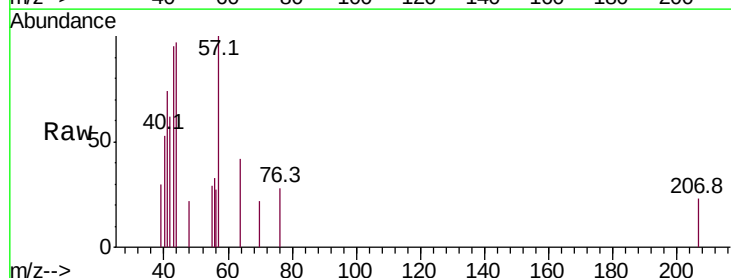
Acq: 28 Aug 2018 15:50

Tgt Ion: 43 Resp: 683

Ion Ratio Lower Upper

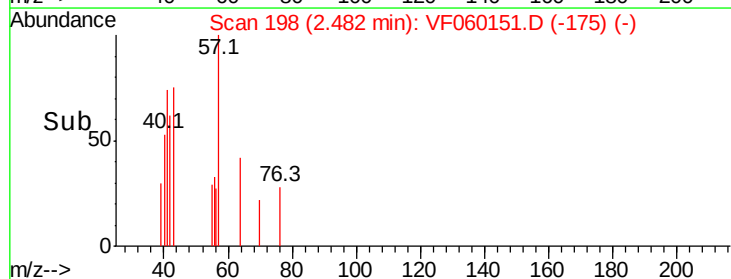
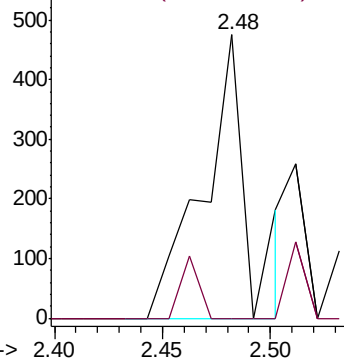
43 100

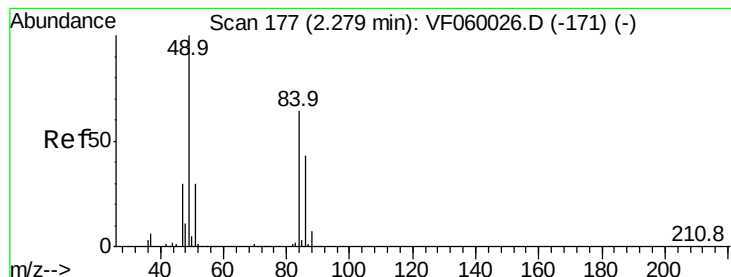
74 0.0 13.8 20.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#20

Methylene Chloride

Concen: Below Cal

RT: 2.28 min Scan# 177

Delta R.T. -0.00 min

Lab File: VF060151.D

Acq: 28 Aug 2018 15:50

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q4-A5RE

Tot Ion: 84 Resp: 2518

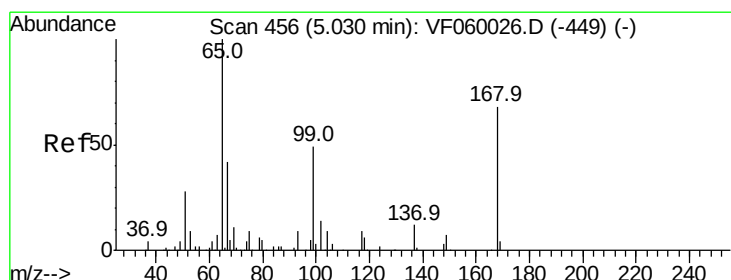
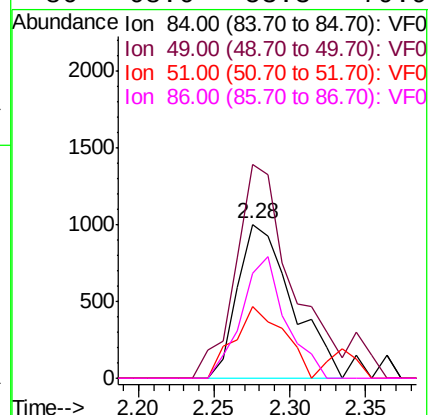
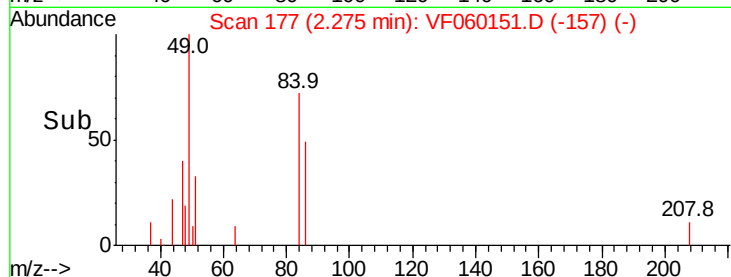
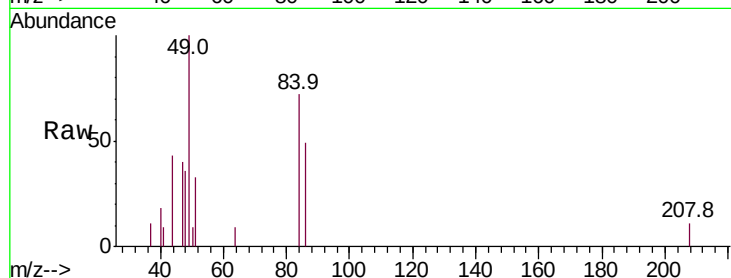
Ion	Ratio	Lower	Upper
84	100		
49	138.9	125.4	188.0
51	46.4	38.3	57.5
86	68.6	53.3	79.9

84 100

49 138.9 125.4 188.0

51 46.4 38.3 57.5

86 68.6 53.3 79.9



#33

1,2-Dichloroethane-d4

Concen: 22.786 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.02 min

Lab File: VF060151.D

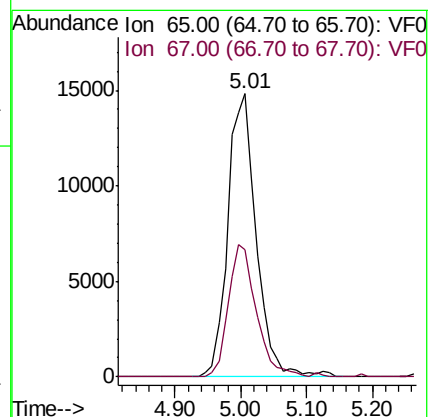
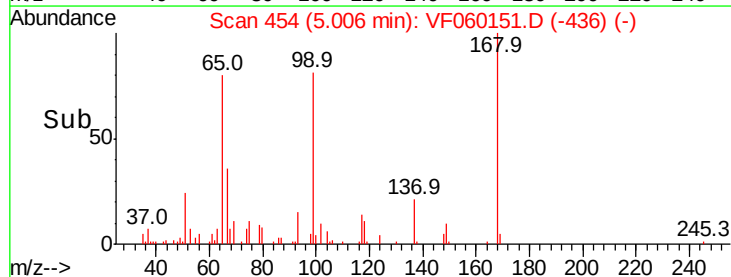
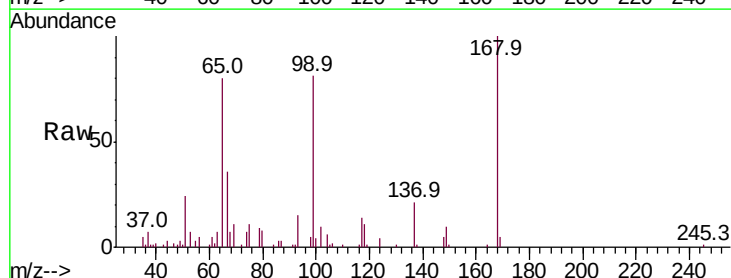
Acq: 28 Aug 2018 15:50

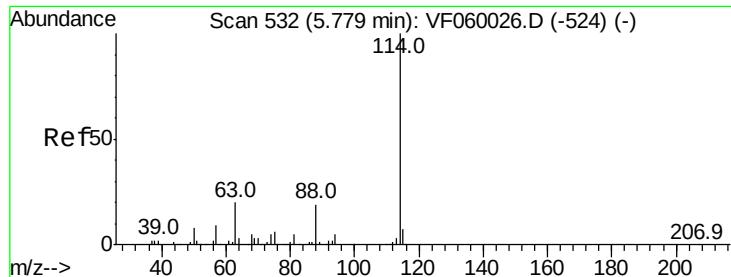
Tgt Ion: 65 Resp: 44785

Ion	Ratio	Lower	Upper
65	100		
67	45.0	0.0	92.0

65 100

67 45.0 0.0 92.0

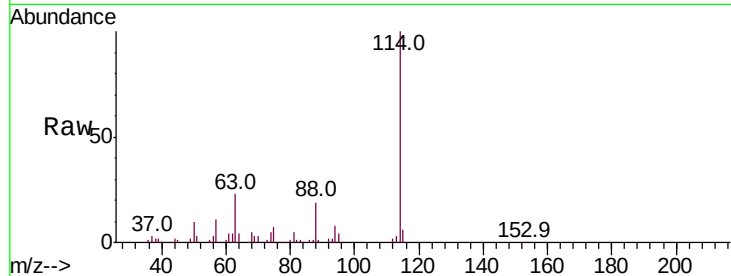




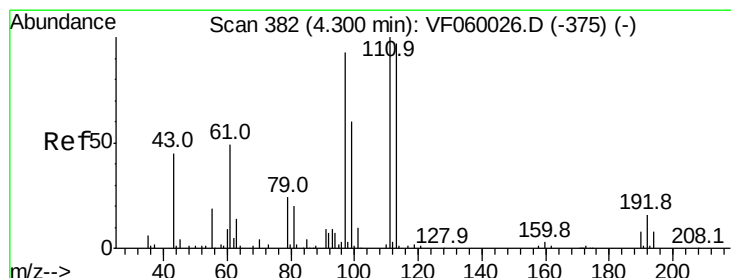
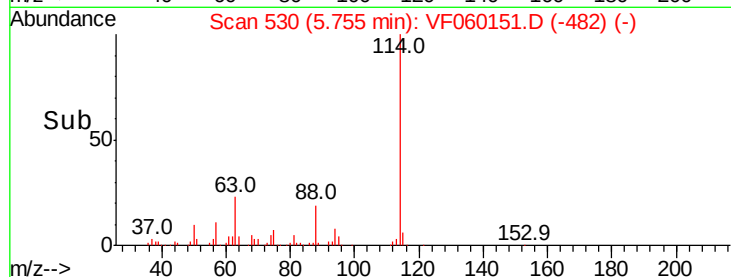
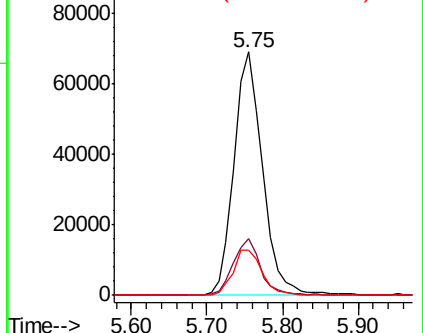
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VF060151.D
 Acq: 28 Aug 2018 15:50

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q4-A5RE

Tot Ion:114	Resp:	180144
Ion Ratio	Lower	Upper
114 100		
63 23.1	0.0	40.4
88 18.6	0.0	38.6

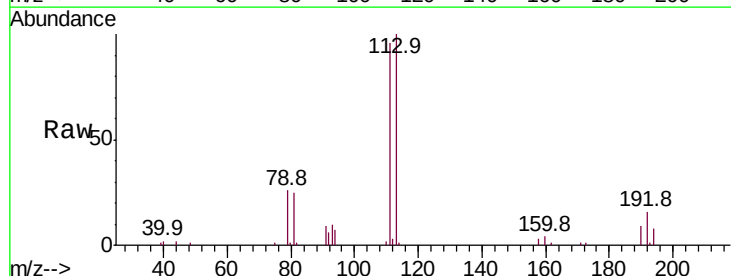


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

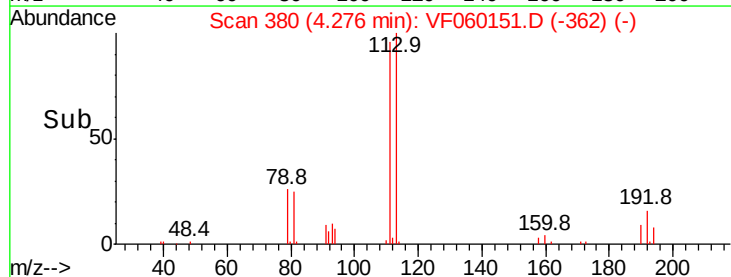
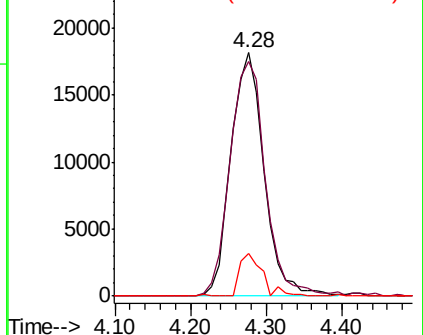


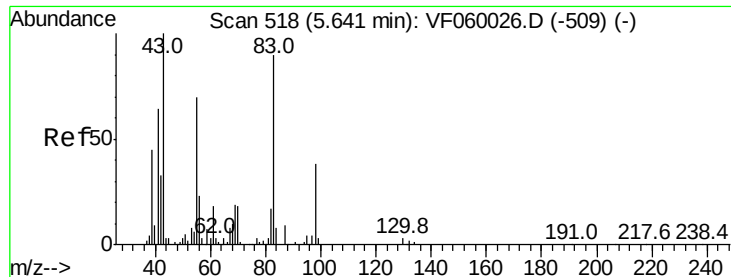
#35
 Dibromofluoromethane
 Concen: 39.022 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. -0.02 min
 Lab File: VF060151.D
 Acq: 28 Aug 2018 15:50

Tgt Ion:113	Resp:	55200
Ion Ratio	Lower	Upper
113 100		
111 96.3	82.7	124.1
192 17.3	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

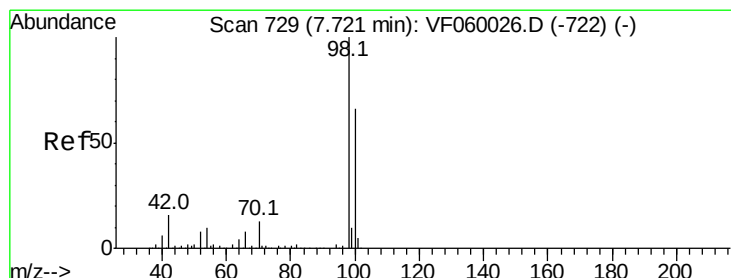
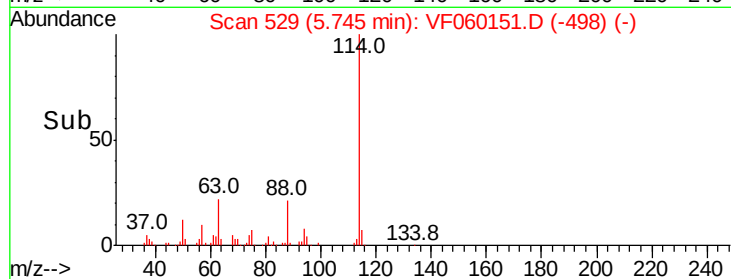
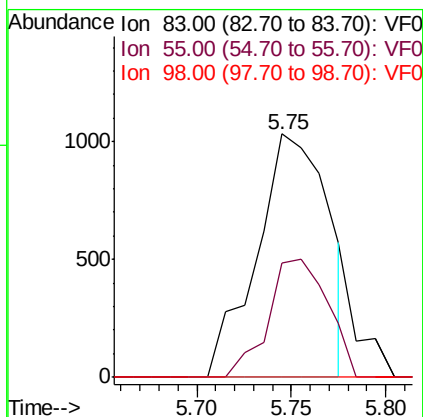
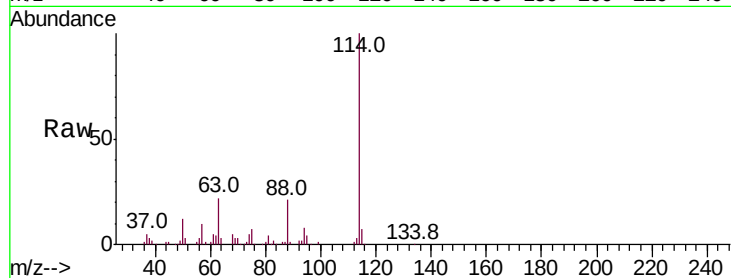




#39
Methylcyclohexane
Concen: 1.734 ug/l
RT: 5.75 min Scan# 529
Delta R.T. 0.10 min
Lab File: VF060151.D
Acq: 28 Aug 2018 15:50

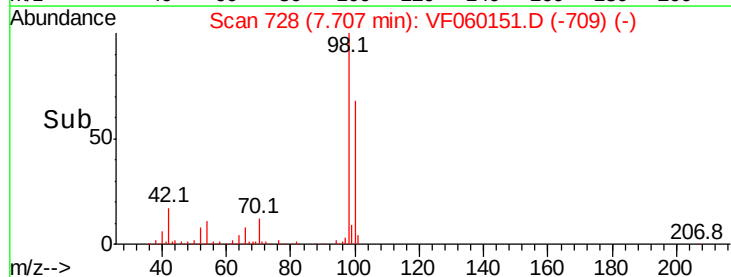
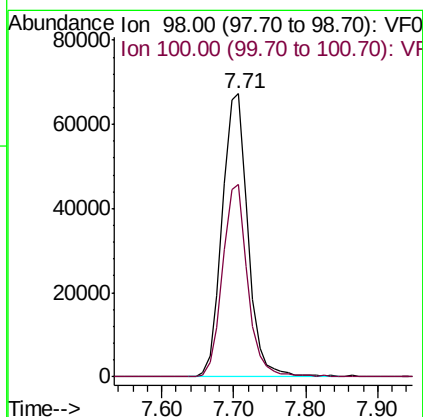
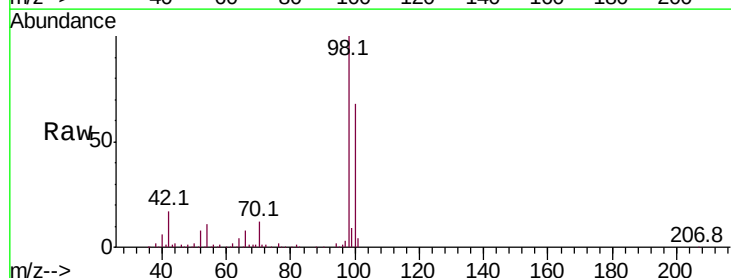
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q4-A5RE

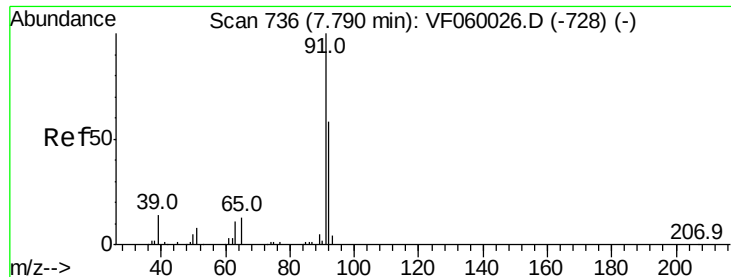
Tot Ion: 83 Resp: 2752
Ion Ratio Lower Upper
83 100
55 46.8 62.7 94.1#
98 0.0 33.8 50.8#



#50
Toluene-d8
Concen: 41.357 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF060151.D
Acq: 28 Aug 2018 15:50

Tgt Ion: 98 Resp: 166146
Ion Ratio Lower Upper
98 100
100 68.1 53.2 79.8





#52

Toluene

Concen: Below Cal

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060151.D

Acq: 28 Aug 2018 15:50

Instrument :

MSVOA_F

ClientSampleId :

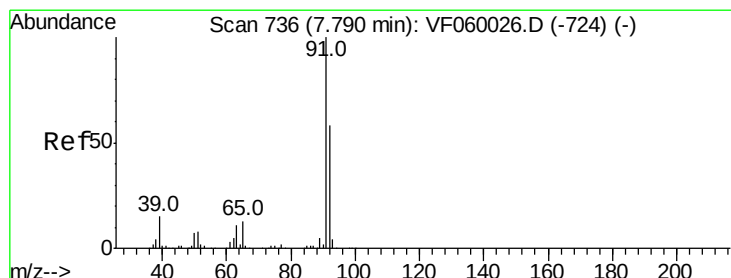
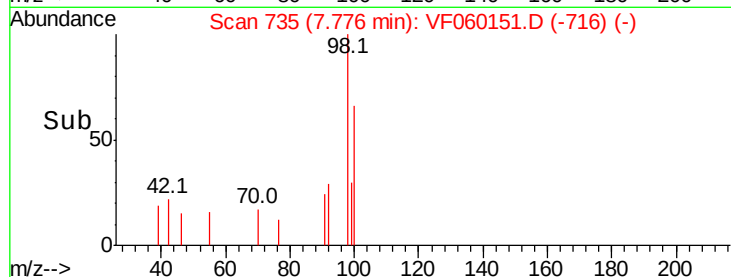
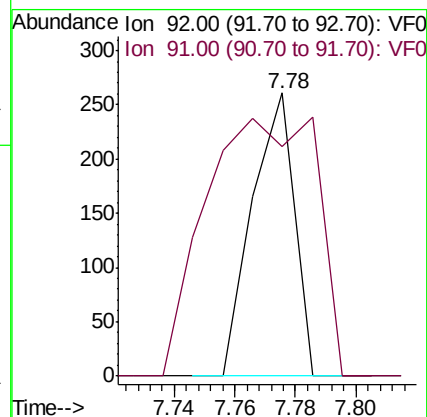
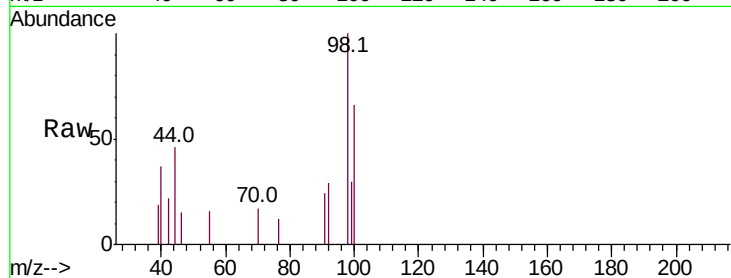
EP1-Q4-A5RE

Tot Ion: 92 Resp: 253

Ion Ratio Lower Upper

92 100

91 80.8 137.7 206.5#



#58

2-Chloroethyl Vinyl ether

Concen: 1.982 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.08 min

Lab File: VF060151.D

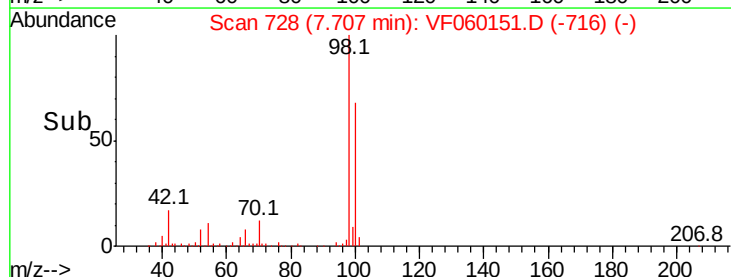
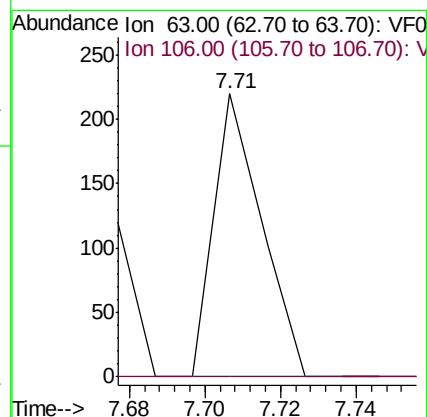
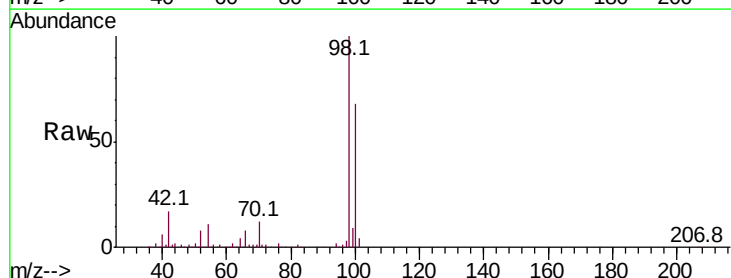
Acq: 28 Aug 2018 15:50

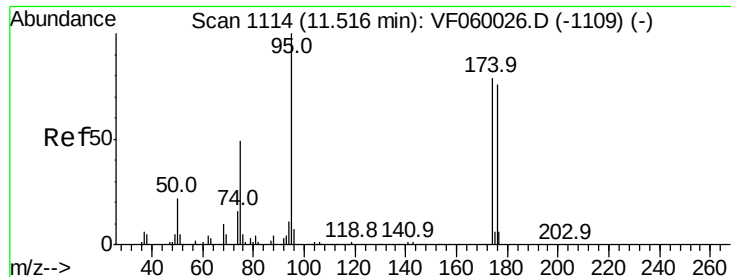
Tgt Ion: 63 Resp: 190

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#62

4-Bromofluorobenzene

Concen: 30.396 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060151.D

Acq: 28 Aug 2018 15:50

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q4-A5RE

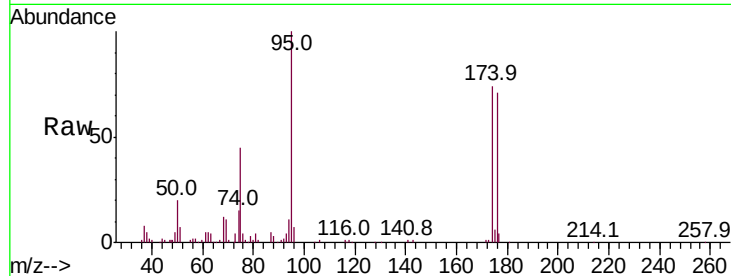
Tot Ion: 95 Resp: 64599

Ion Ratio Lower Upper

95 100

174 74.4 0.0 158.4

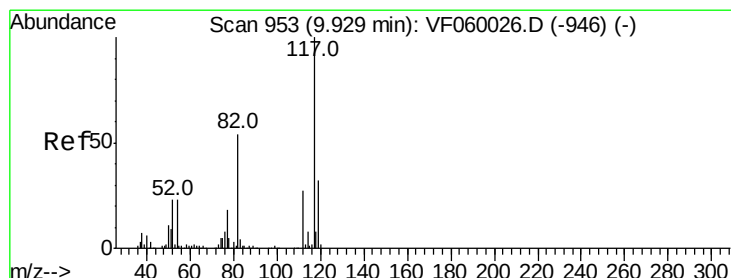
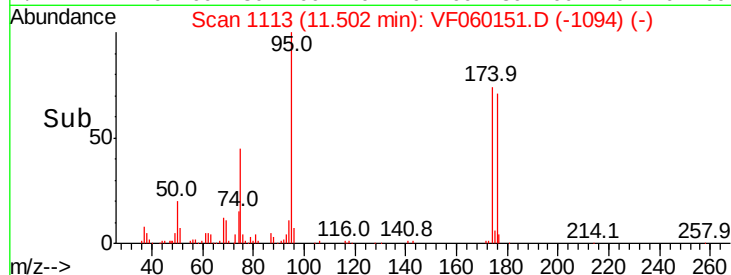
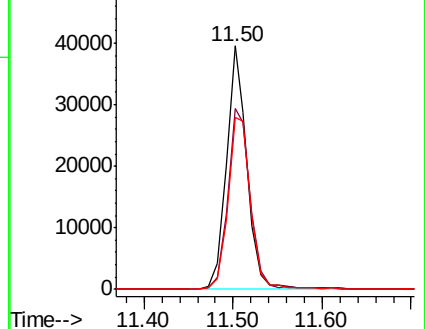
176 70.6 0.0 153.0



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: 9.90 min Scan# 951

Delta R.T. -0.02 min

Lab File: VF060151.D

Acq: 28 Aug 2018 15:50

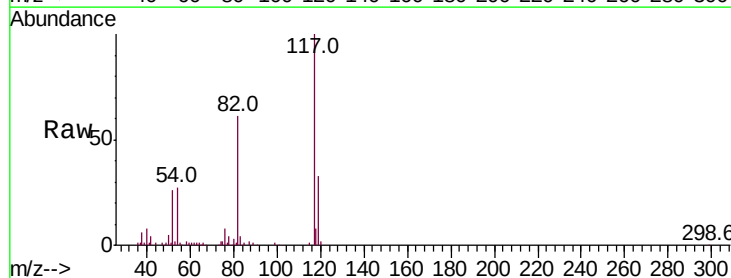
Tgt Ion: 117 Resp: 156057

Ion Ratio Lower Upper

117 100

82 61.1 43.6 65.4

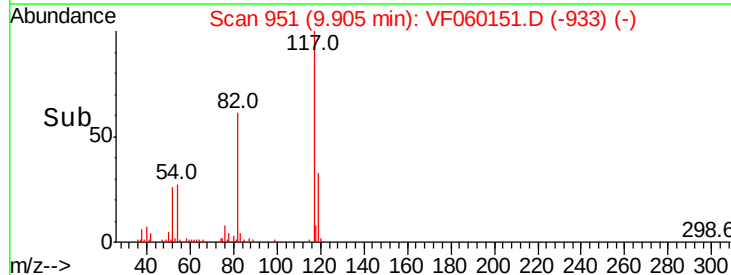
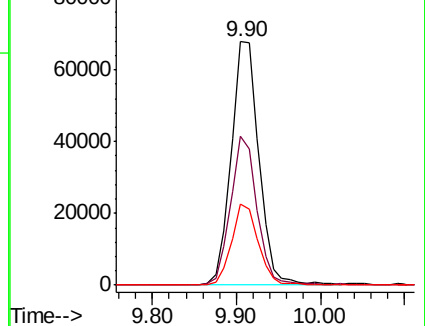
119 33.3 25.6 38.4

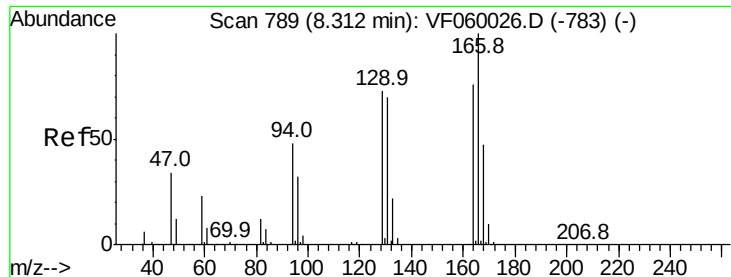


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#64

Tetrachloroethene

Concen: 1.395 ug/l

RT: 8.29 min Scan# 787

Delta R.T. -0.02 min

Lab File: VF060151.D

Acq: 28 Aug 2018 15:50

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q4-A5RE

Tot Ion:164 Resp: 1466

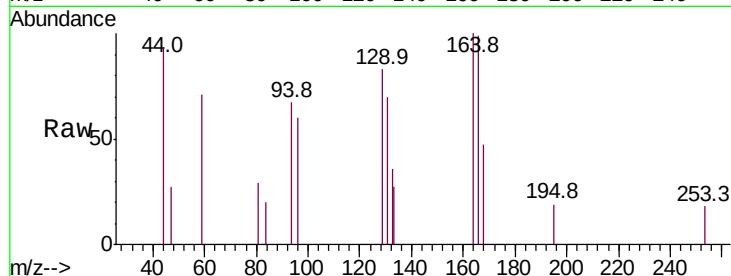
Ion Ratio Lower Upper

164 100

166 99.5 104.7 157.1#

129 82.5 77.0 115.4

131 69.9 72.9 109.3#



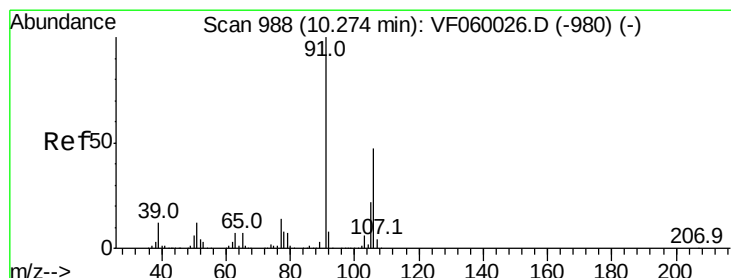
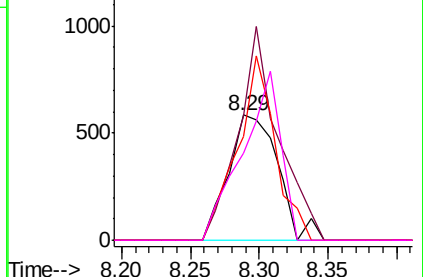
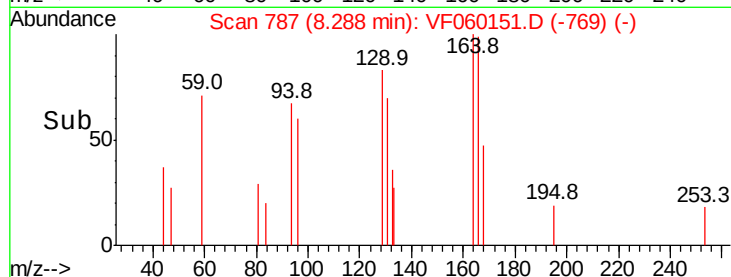
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#68

m/p-Xylenes

Concen: Below Cal

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF060151.D

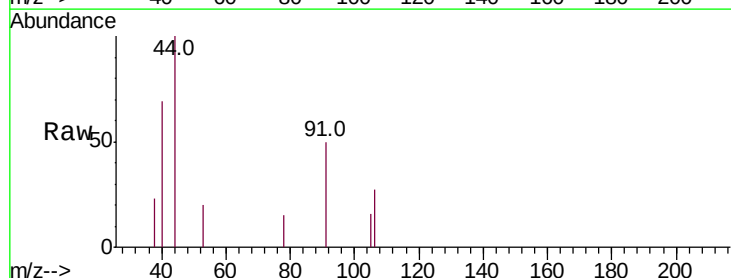
Acq: 28 Aug 2018 15:50

Tgt Ion:106 Resp: 376

Ion Ratio Lower Upper

106 100

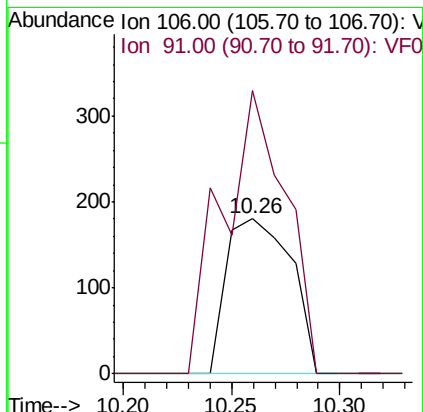
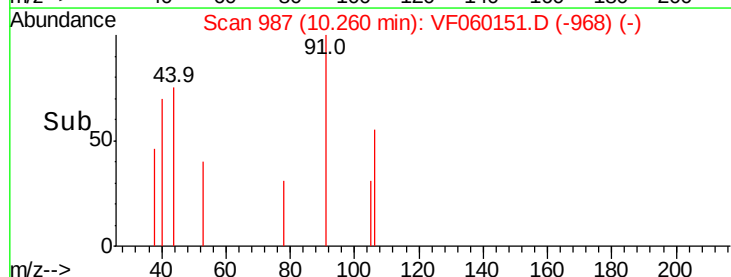
91 182.8 171.8 257.8

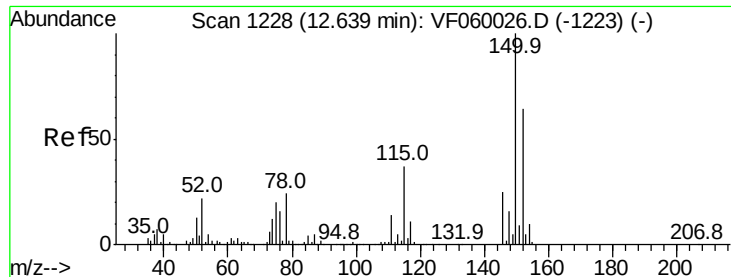


Abundance

Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

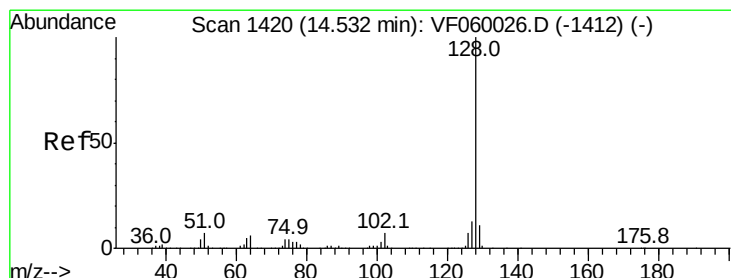
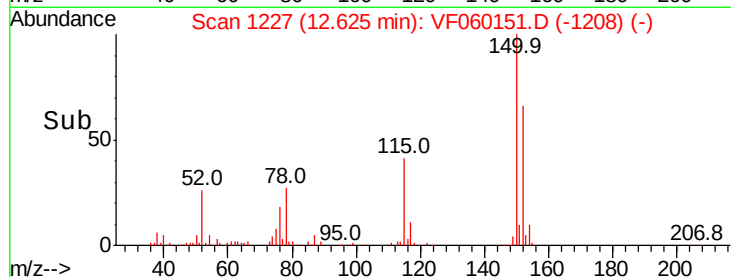
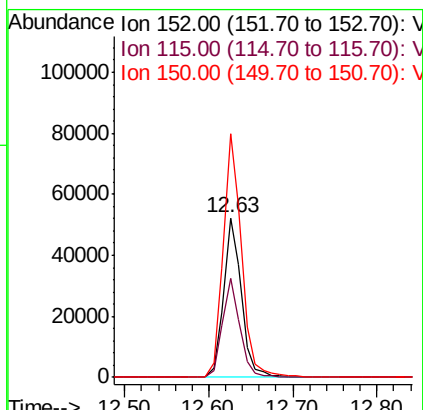
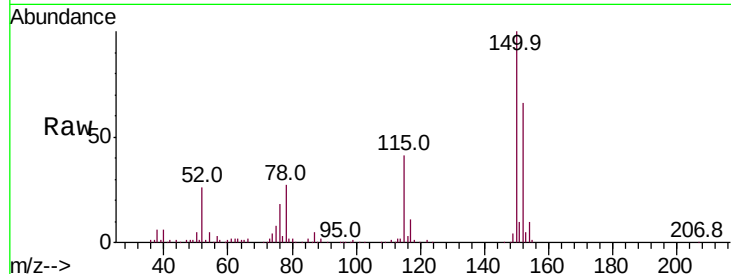




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF060151.D
 Acq: 28 Aug 2018 15:50

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q4-A5RE

Tot Ion:152 Resp: 77027
 Ion Ratio Lower Upper
 152 100
 115 62.3 28.6 85.9
 150 152.4 0.0 312.0



#95
 Naphthalene
 Concen: 2.485 ug/l
 RT: 14.52 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: VF060151.D
 Acq: 28 Aug 2018 15:50

Tgt Ion:128 Resp: 597
 Ion Ratio Lower Upper
 128 100
 127 35.8 10.4 15.6#
 129 0.0 8.5 12.7#

