

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082418\
 Data File : VF060101.D
 Acq On : 24 Aug 2018 15:48
 Operator : VA/AP
 Sample : J4581-16RE
 Misc : 5.63g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-C4

Quant Time: Aug 25 03:45:55 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	166492	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	243077	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	281088	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	178554	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	108780	47.74	ug/l	-0.01
Spiked Amount 50.000			Recovery =	95.48%		
35) Dibromofluoromethane	4.29	113	110599	57.94	ug/l	-0.01
Spiked Amount 50.000			Recovery =	115.88%		
50) Toluene-d8	7.71	98	280806	51.80	ug/l	-0.01
Spiked Amount 50.000			Recovery =	103.60%		
62) 4-Bromofluorobenzene	11.50	95	148060	51.63	ug/l	-0.01
Spiked Amount 50.000			Recovery =	103.26%		

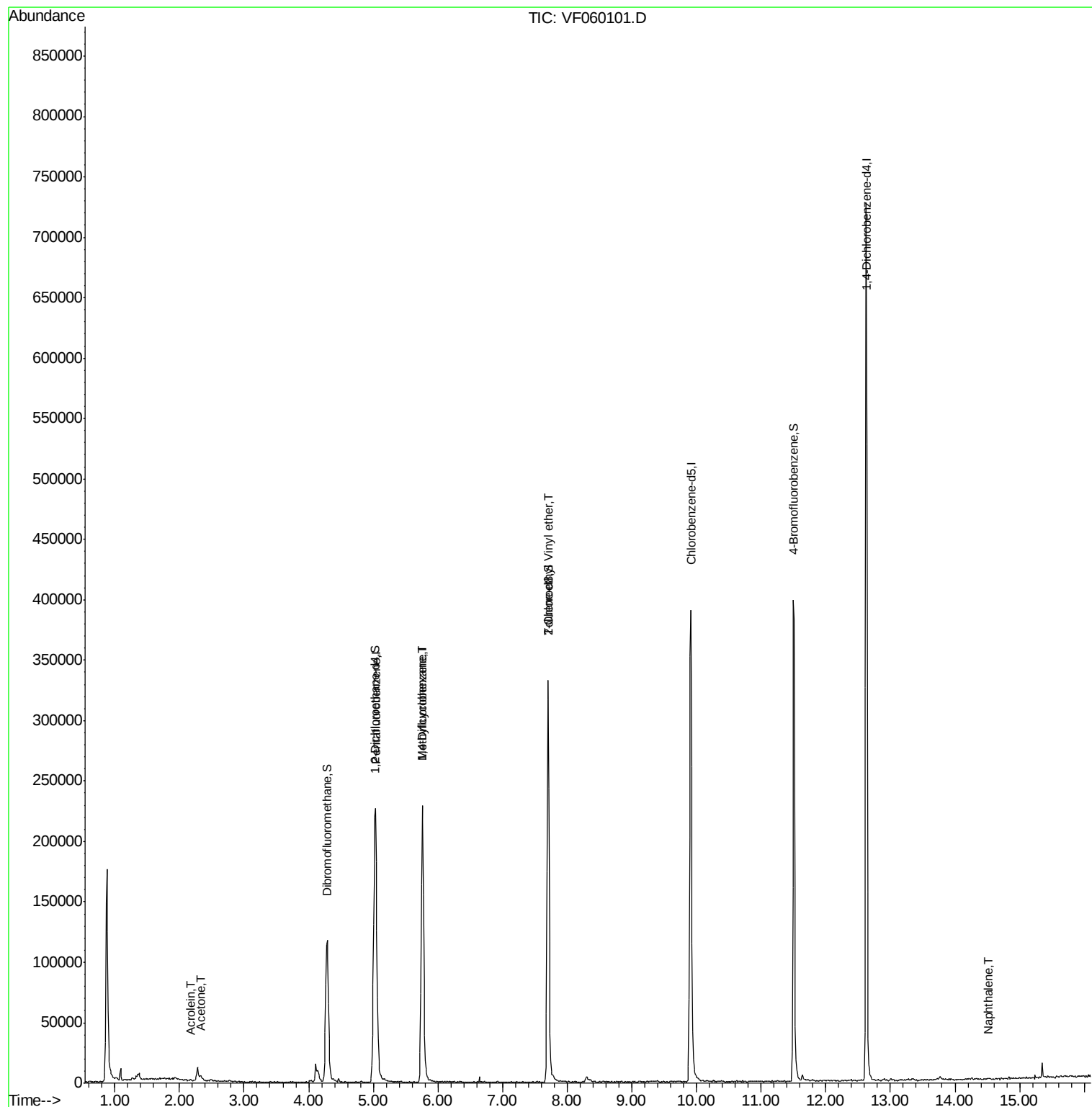
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.09	50	1063	Below Cal	#	80
13) Acrolein	2.19	56	107	27.62	ug/l #	8
16) Acetone	2.33	43	4744	7.92	ug/l #	92
18) Methyl Acetate	2.44	43	859	Below Cal	#	60
39) Methylcyclohexane	5.75	83	4235	1.98	ug/l #	49
52) Toluene	7.77	92	302	Below Cal	#	34
58) 2-Chloroethyl Vinyl ether	7.71	63	478	3.70	ug/l	100
95) Naphthalene	14.53	128	345	2.34	ug/l #	69

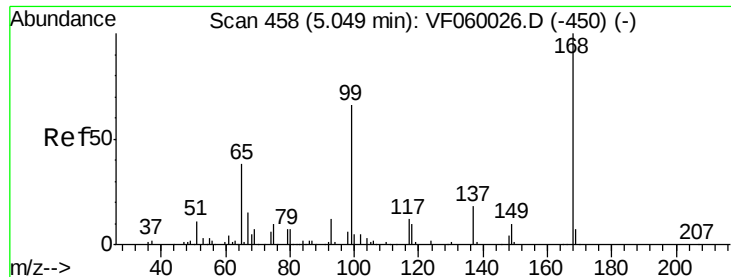
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF060101.D

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Instrument :

MSVOA_F

ClientSampleId :

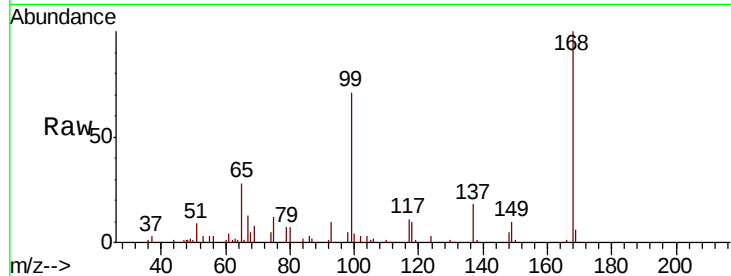
EP1-Q3-C4

Tot Ion:168 Resp: 166492

Ion Ratio Lower Upper

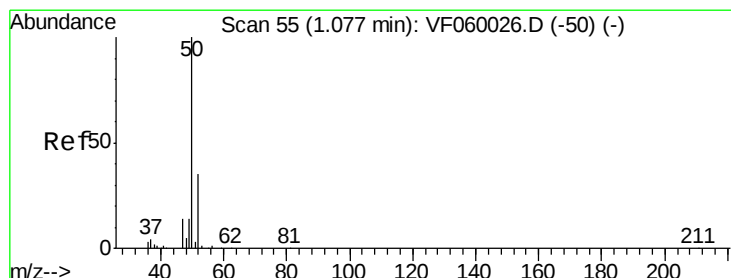
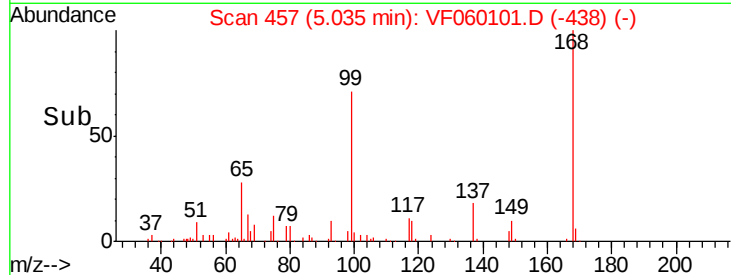
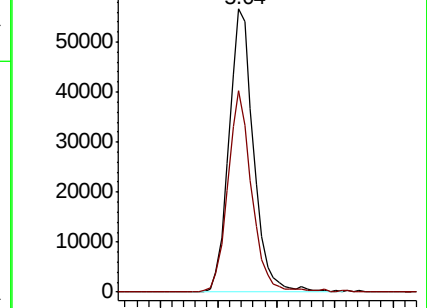
168 100

99 71.0 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: 1.09 min Scan# 57

Delta R.T. 0.02 min

Lab File: VF060101.D

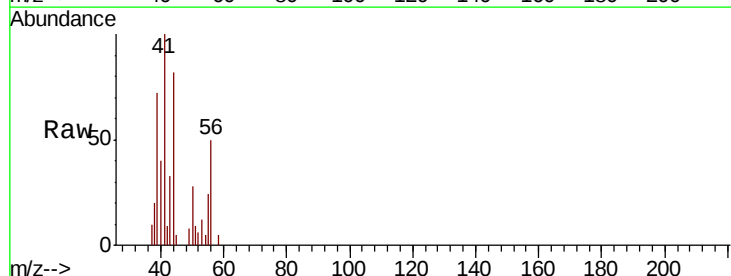
Acq: 24 Aug 2018 15:48

Tgt Ion: 50 Resp: 1063

Ion Ratio Lower Upper

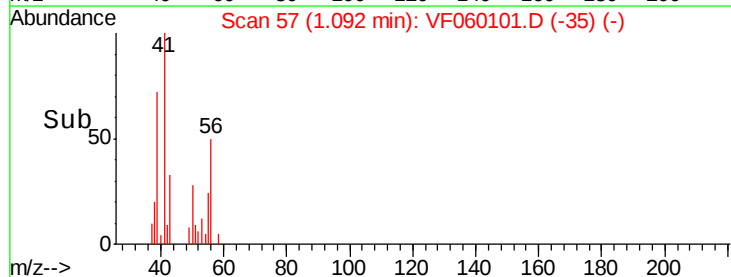
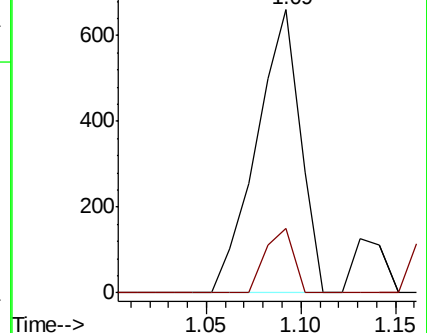
50 100

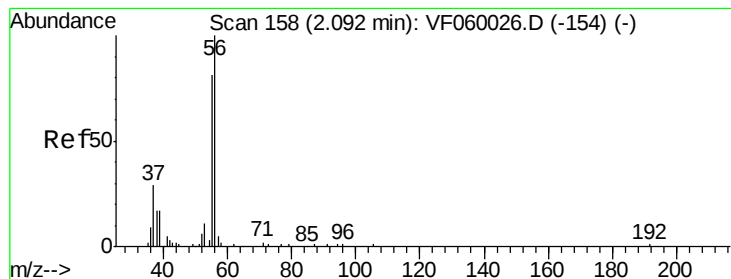
52 22.9 27.6 41.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#13

Acrolein

Concen: 27.62 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.09 min

Lab File: VF060101.D

Acq: 24 Aug 2018 15:48

Instrument :

MSVOA_F

ClientSampleId :

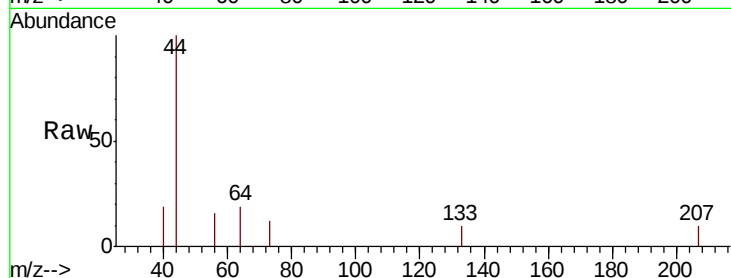
EP1-Q3-C4

Tot Ion: 56 Resp: 107

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

2.19

150

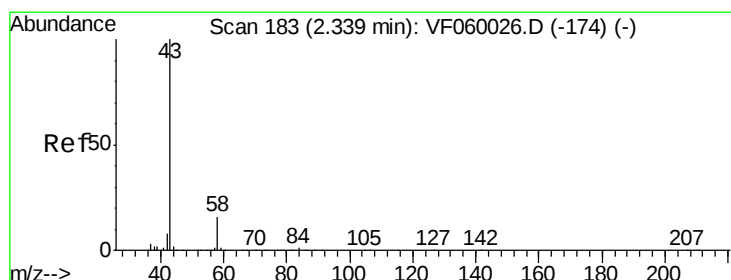
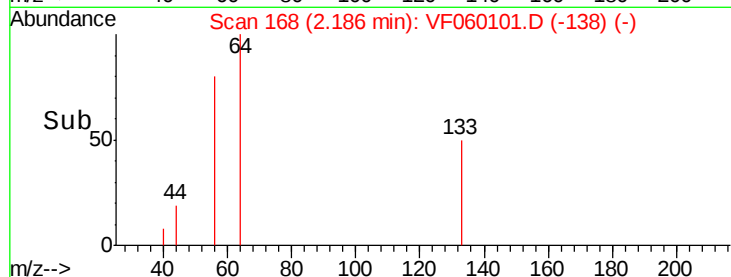
100

50

0

2.16 2.18 2.20 2.22

Time-->



#16

Acetone

Concen: 7.92 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF060101.D

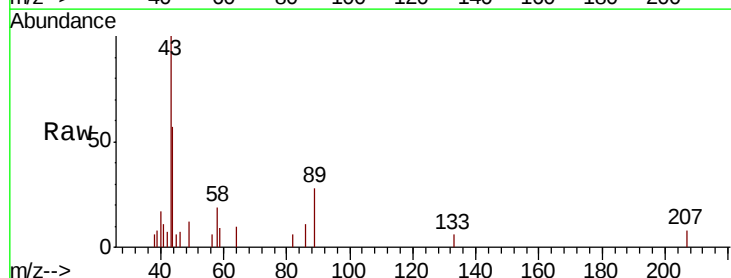
Acq: 24 Aug 2018 15:48

Tgt Ion: 43 Resp: 4744

Ion Ratio Lower Upper

43 100

58 19.3 12.6 19.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.33

2000

1500

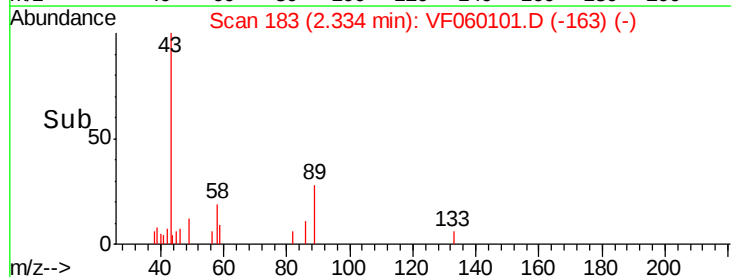
1000

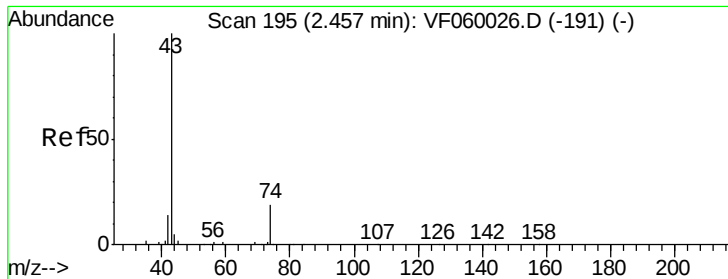
500

0

2.30 2.40

Time-->

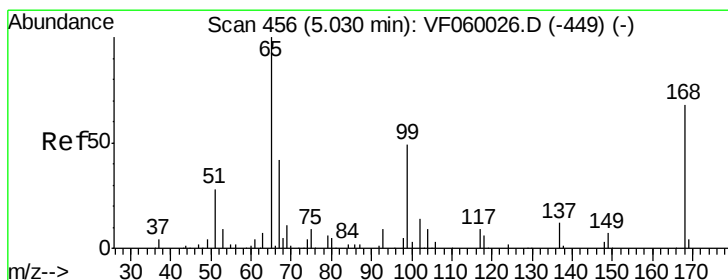
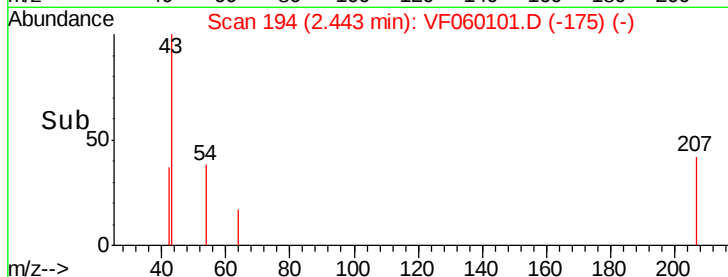
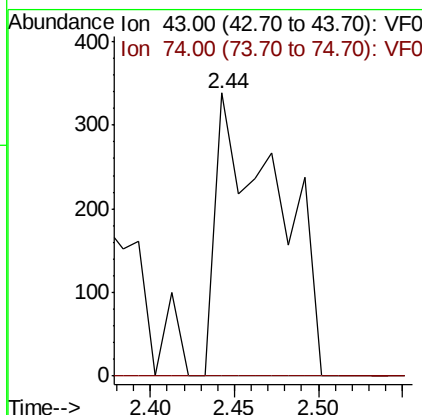
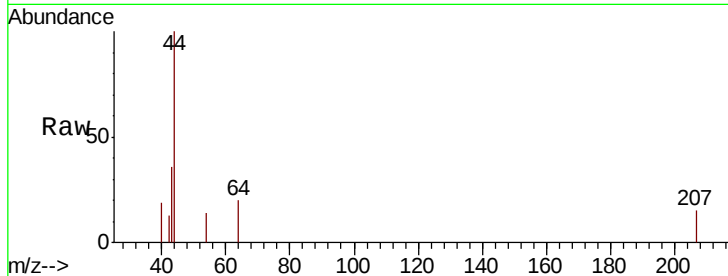




#18
Methvl Acetate
Concen: Below Cal
RT: 2.44 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF060101.D
Acq: 24 Aug 2018 15:48

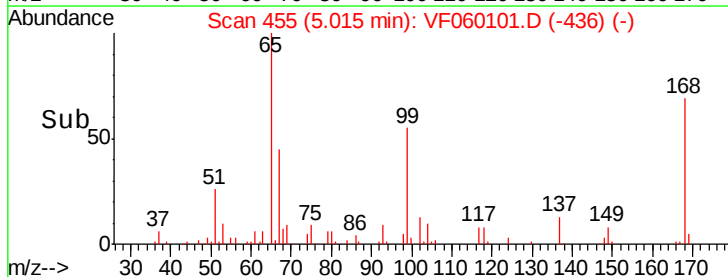
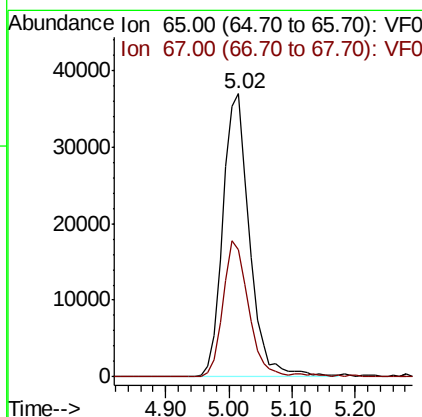
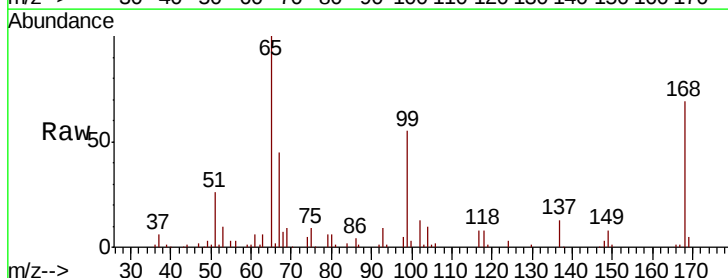
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C4

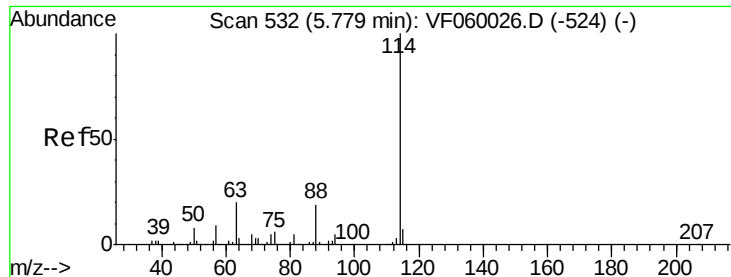
Tot Ion: 43 Resp: 859
Ion Ratio Lower Upper
43 100
74 0.0 13.8 20.6#



#33
1,2-Dichloroethane-d4
Concen: 47.74 ug/l
RT: 5.02 min Scan# 455
Delta R.T. -0.01 min
Lab File: VF060101.D
Acq: 24 Aug 2018 15:48

Tgt Ion: 65 Resp: 108780
Ion Ratio Lower Upper
65 100
67 44.9 0.0 92.0

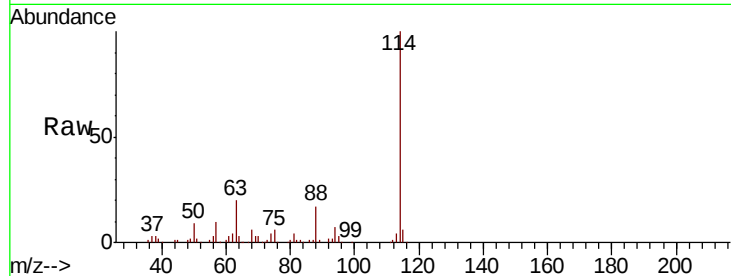




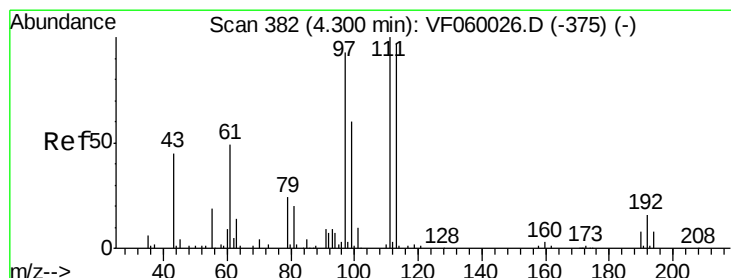
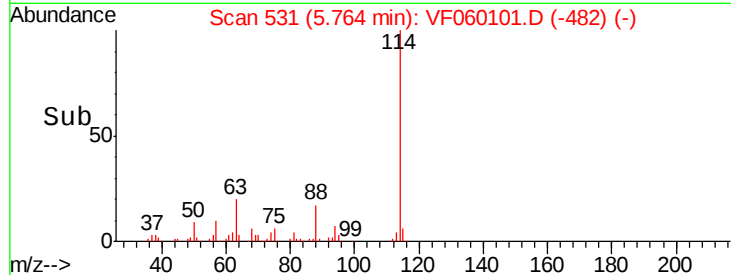
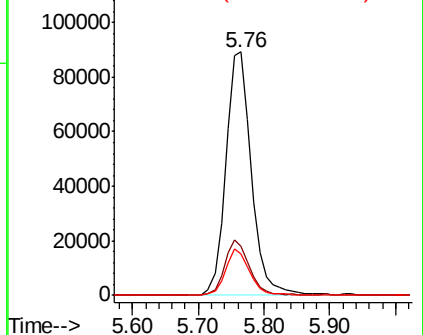
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VF060101.D
 Acq: 24 Aug 2018 15:48

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-C4

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.4
88	16.7	0.0	38.6

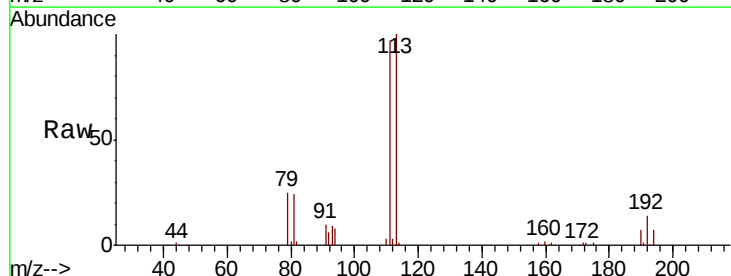


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

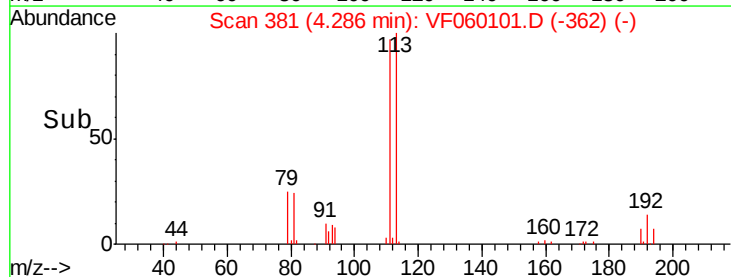
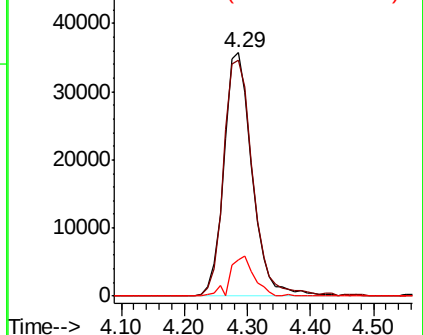


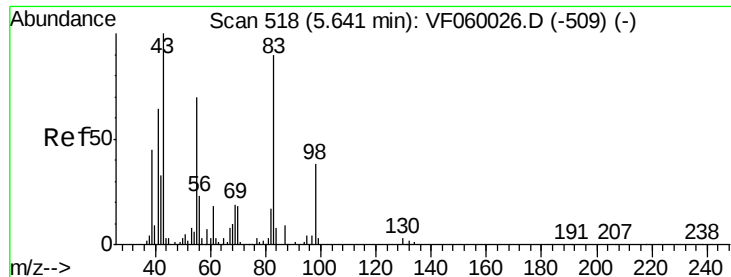
#35
 Dibromofluoromethane
 Concen: 57.94 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF060101.D
 Acq: 24 Aug 2018 15:48

Tgt Ion	Ratio	Lower	Upper
113	100		
111	96.9	82.7	124.1
192	14.9	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

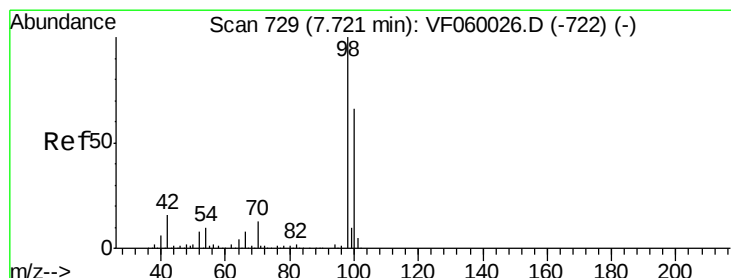
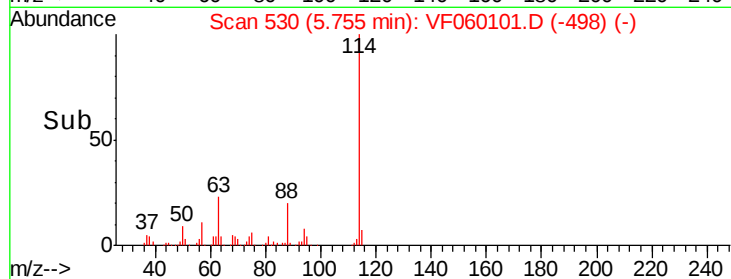
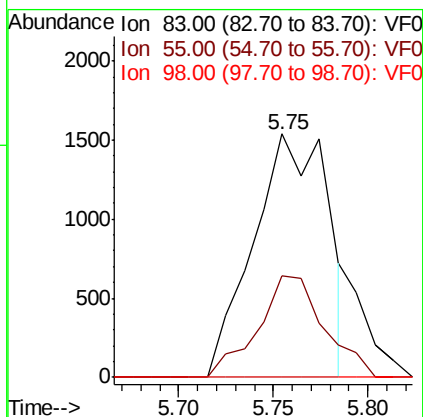
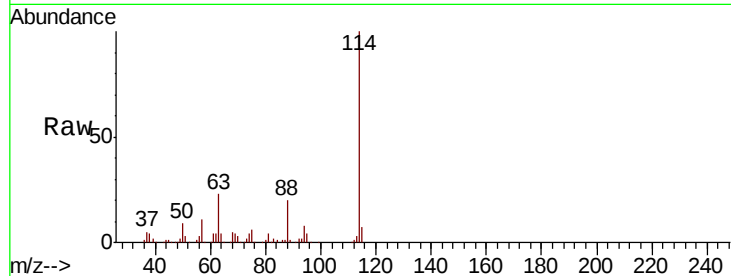




#39
Methvlcvclohexane
Concen: 1.98 ug/l
RT: 5.75 min Scan# 530
Delta R.T. 0.11 min
Lab File: VF060101.D
Acq: 24 Aug 2018 15:48

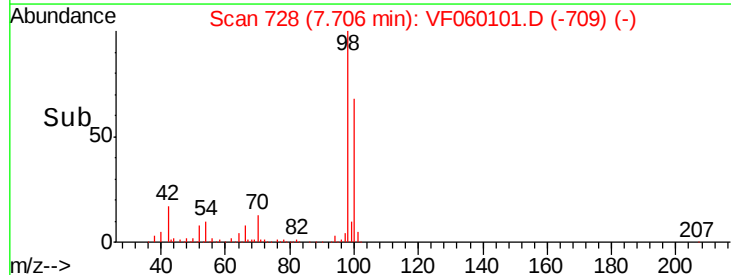
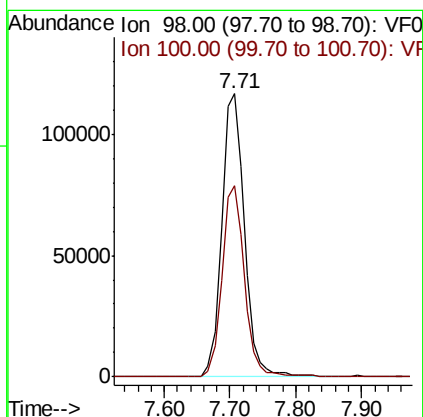
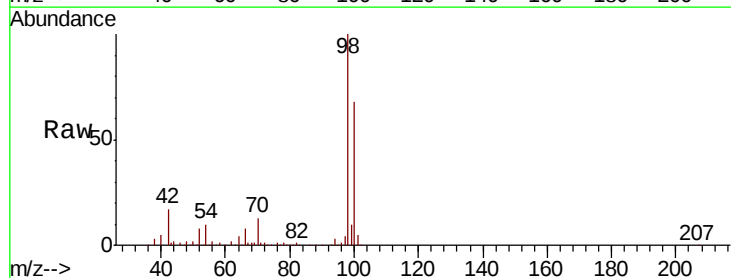
Instrument :
MSVOA_F
ClientSampleId :
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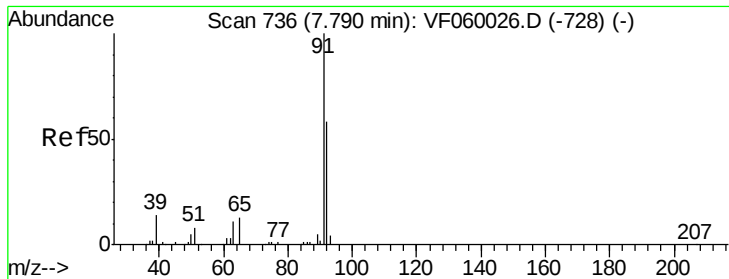
Tot Ion: 83 Resp: 4235
Ion Ratio Lower Upper
83 100
55 41.5 62.7 94.1#
98 0.0 33.8 50.8#



#50
Toluene-d8
Concen: 51.80 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF060101.D
Acq: 24 Aug 2018 15:48

Tgt Ion: 98 Resp: 280806
Ion Ratio Lower Upper
98 100
100 67.7 53.2 79.8





#52

Toluene

Concen: Below Cal

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF060101.D

Acq: 24 Aug 2018 15:48

Instrument :

MSVOA_F

ClientSampleId :

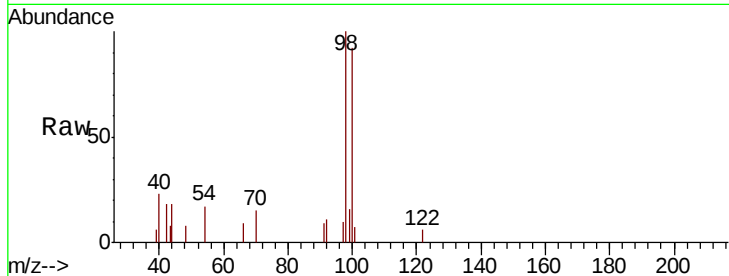
EP1-Q3-C4

Tot Ion: 92 Resp: 302

Ion Ratio Lower Upper

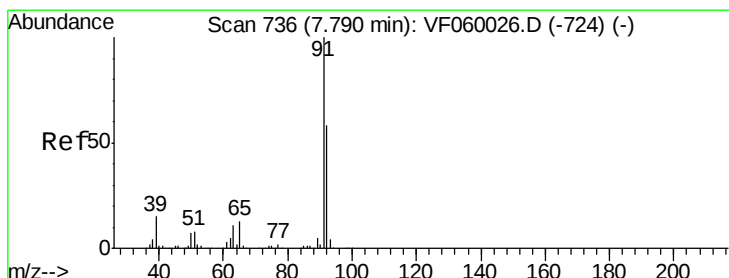
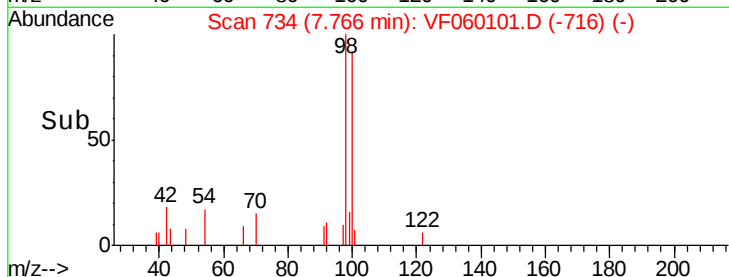
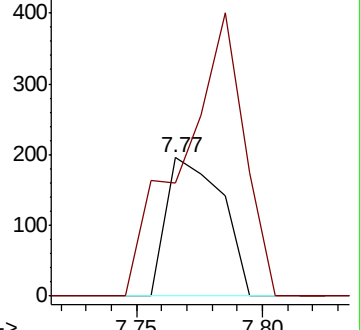
92 100

91 81.1 137.7 206.5#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 3.70 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.08 min

Lab File: VF060101.D

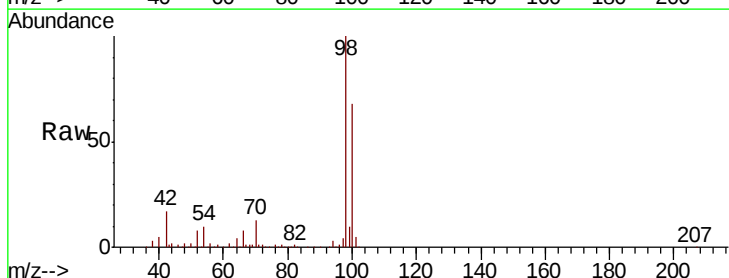
Acq: 24 Aug 2018 15:48

Tgt Ion: 63 Resp: 478

Ion Ratio Lower Upper

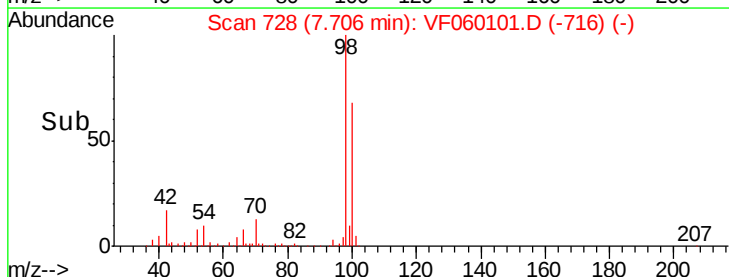
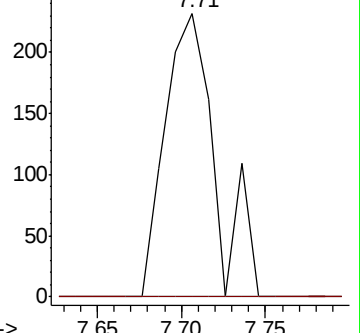
63 100

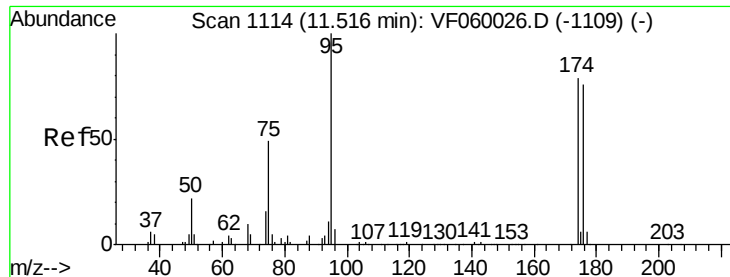
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#62

4-Bromofluorobenzene

Concen: 51.63 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060101.D

Acq: 24 Aug 2018 15:48

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C4

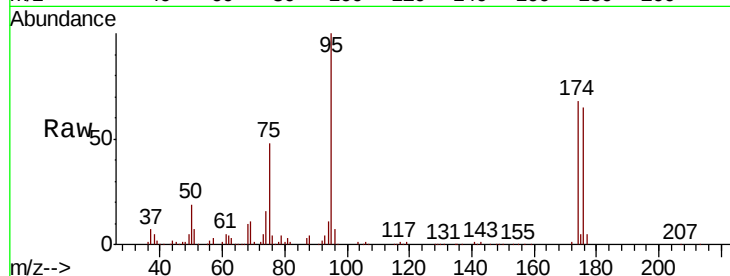
Tot Ion: 95 Resp: 148060

Ion Ratio Lower Upper

95 100

174 67.7 0.0 158.4

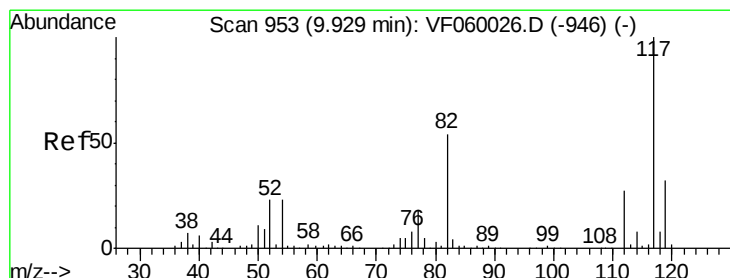
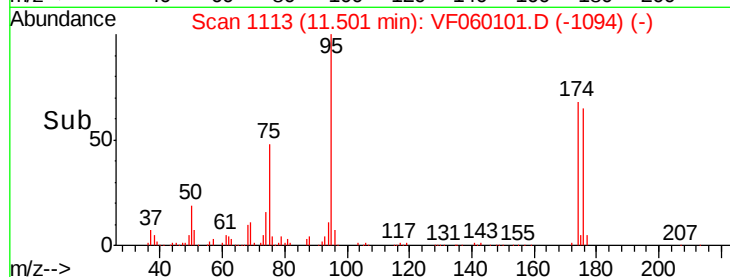
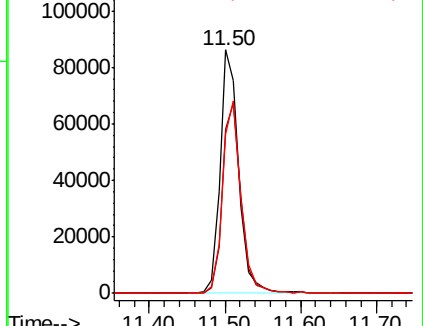
176 65.2 0.0 153.0



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. -0.01 min

Lab File: VF060101.D

Acq: 24 Aug 2018 15:48

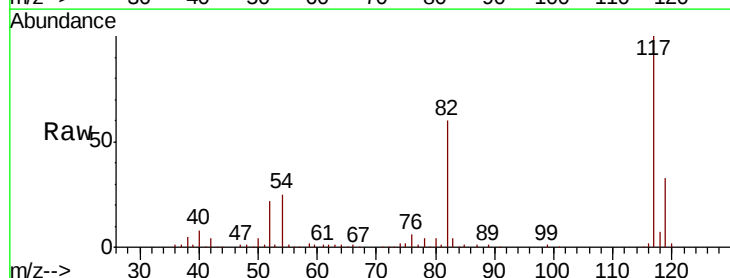
Tgt Ion: 117 Resp: 281088

Ion Ratio Lower Upper

117 100

82 59.7 43.6 65.4

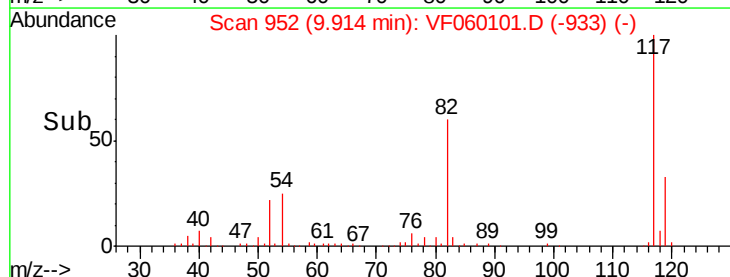
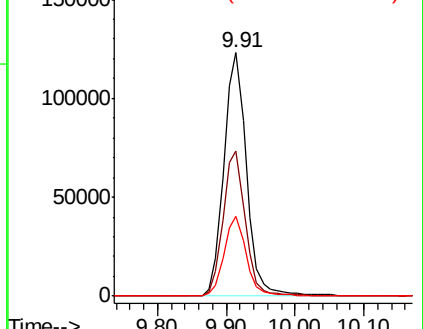
119 33.0 25.6 38.4

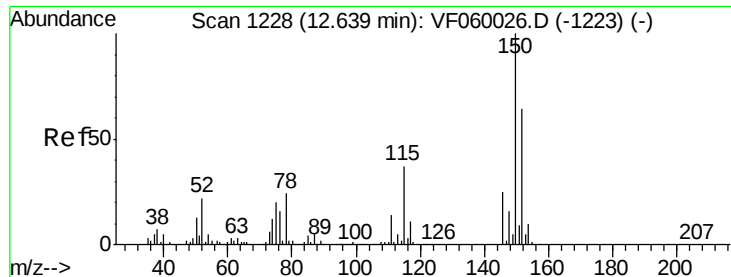


Abundance Ion 117.00 (116.70 to 117.70): V

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# 1227

Delta R.T. -0.01 min

Lab File: VF060101.D

Acq: 24 Aug 2018 15:48

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C4

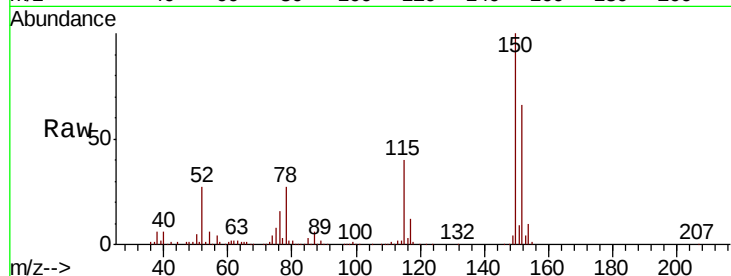
Tot Ion:152 Resp: 178554

Ion Ratio Lower Upper

152 100

115 61.1 28.6 85.9

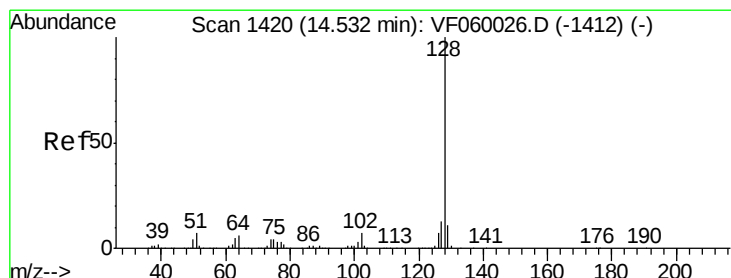
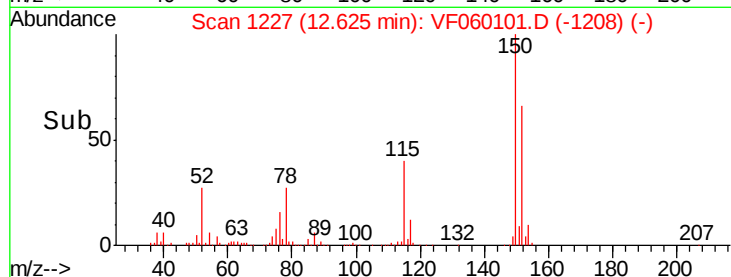
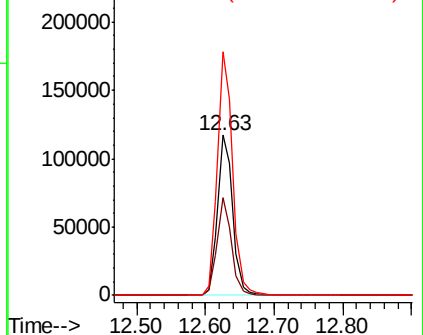
150 152.2 0.0 312.0



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: 2.34 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VF060101.D

Acq: 24 Aug 2018 15:48

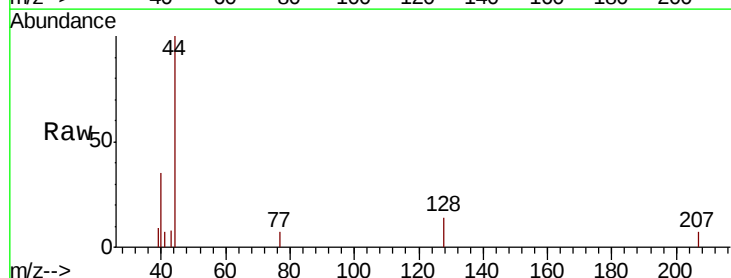
Tgt Ion:128 Resp: 345

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

