

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041919\
 Data File : VF062232.D
 Acq On : 19 Apr 2019 18:39
 Operator : FY/SY
 Sample : K2472-01RE
 Misc : 5.49g/5mL/MSVOA F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EXCAVATION-NEWARK-SOUTH-PIL

Quant Time: Apr 19 23:02:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 03:56:19 2019
 Response via : Initial Calibration

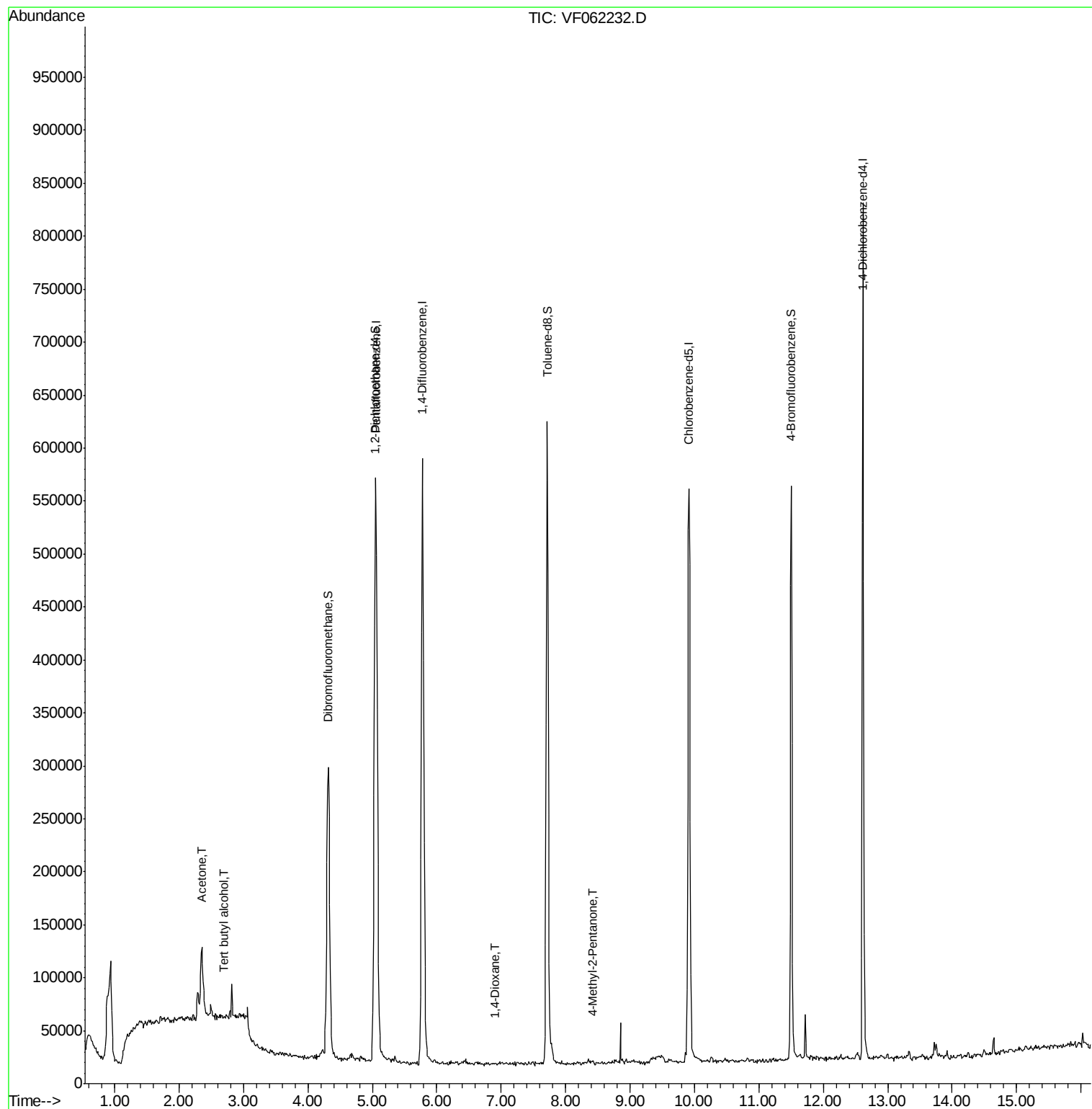
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	491141	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.78	114	691204	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	448807	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	215710	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	194573	43.20	ug/l	0.02
Spiked Amount 50.000			Recovery	=	86.40%	
35) Dibromofluoromethane	4.32	113	268110	44.34	ug/l	0.02
Spiked Amount 50.000			Recovery	=	88.68%	
50) Toluene-d8	7.72	98	556841	36.38	ug/l	0.02
Spiked Amount 50.000			Recovery	=	72.76%	
62) 4-Bromofluorobenzene	11.50	95	205007	34.82	ug/l	0.02
Spiked Amount 50.000			Recovery	=	69.64%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.70	59	2280	7.283	ug/l #	13
13) Acrolein	2.10	56	1606	Below Cal	#	42
16) Acetone	2.36	43	35022	32.535	ug/l	93
18) Methyl Acetate	2.47	43	7209	Below Cal	#	66
49) 1,4-Dioxane	6.89	88	313	10.097	ug/l #	1
51) 4-Methyl-2-Pentanone	8.41	43	4290	1.402	ug/l	88
74) N-amyl acetate	11.45	43	1396	Below Cal	#	52
89) n-Butylbenzene	12.90	91	2299	Below Cal		76

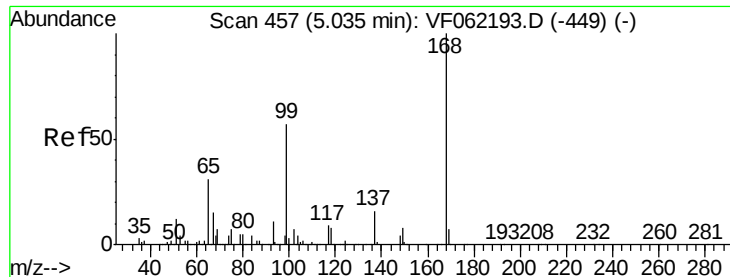
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF041919\
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EXCAVATION-NEWARK-SOUTH-PIL

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
Quant Title : SW846 8260
QLast Update : Fri Apr 19 03:56:19 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.02 min

Lab File: VF062232.D

Acq: 19 Apr 2019 18:39

Instrument :

MSVOA_F

ClientSampleId :

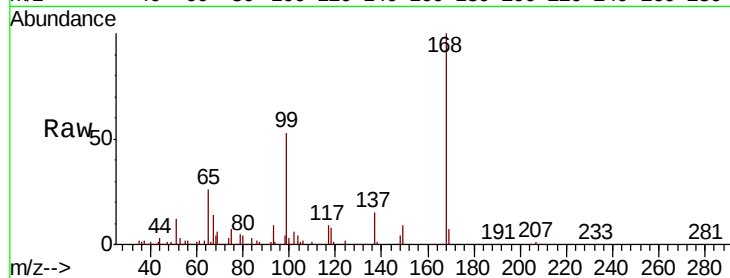
EXCAVATION-NEWARK-SOUTH-PIL

Tot Ion:168 Resp: 491141

Ion Ratio Lower Upper

168 100

99 52.9 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.06

150000

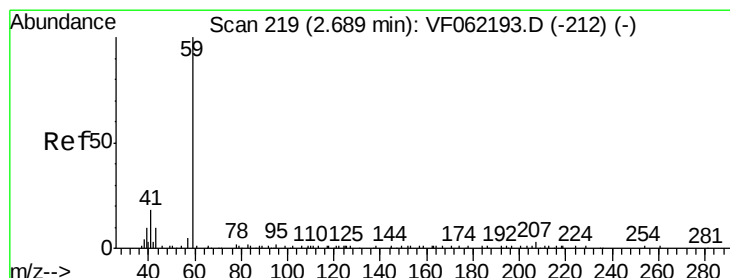
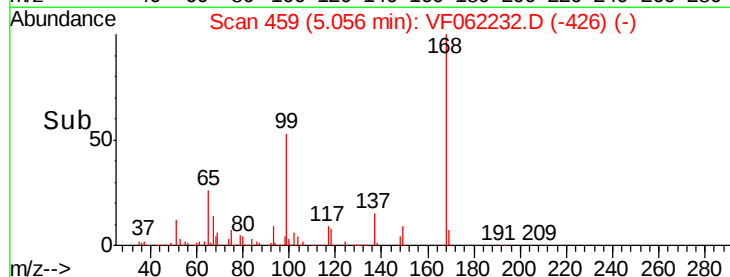
100000

50000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#11

Tert butyl alcohol

Concen: 7.283 ug/l

RT: 2.70 min Scan# 220

Delta R.T. 0.01 min

Lab File: VF062232.D

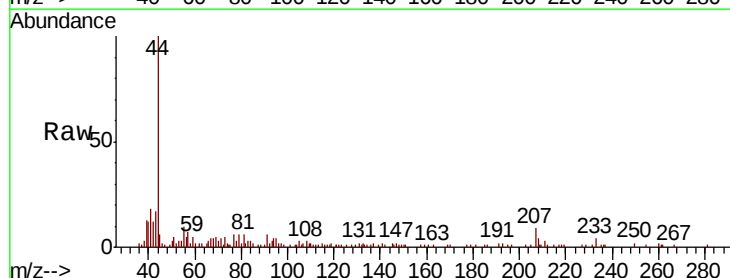
Acq: 19 Apr 2019 18:39

Tgt Ion: 59 Resp: 2280

Ion Ratio Lower Upper

59 100

57 45.3 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

1500

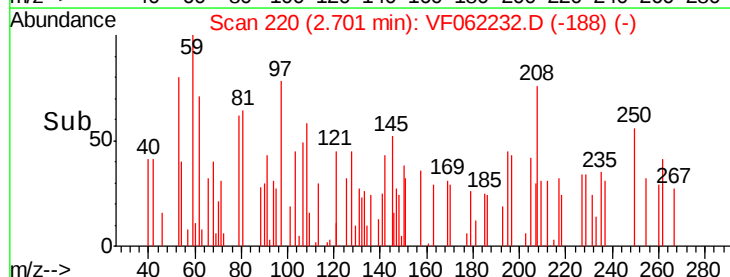
1000

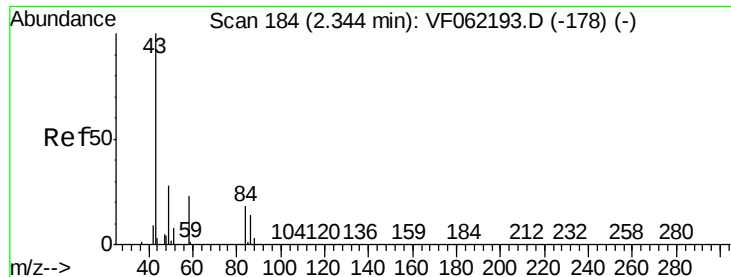
500

0

Time-->

2.60 2.70 2.80

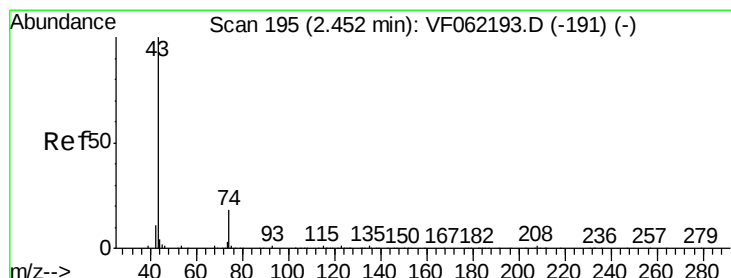
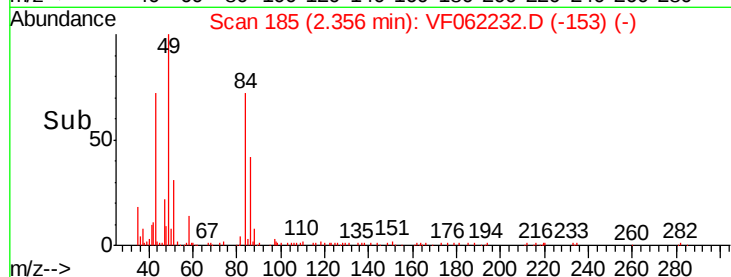
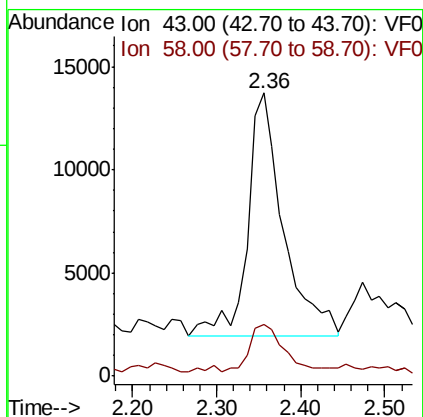
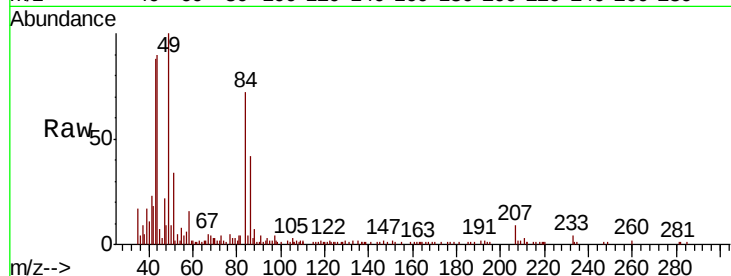




#16
Acetone
Concen: 32.535 ug/l
RT: 2.36 min Scan# 185
Delta R.T. 0.01 min
Lab File: VF062232.D
Acq: 19 Apr 2019 18:39

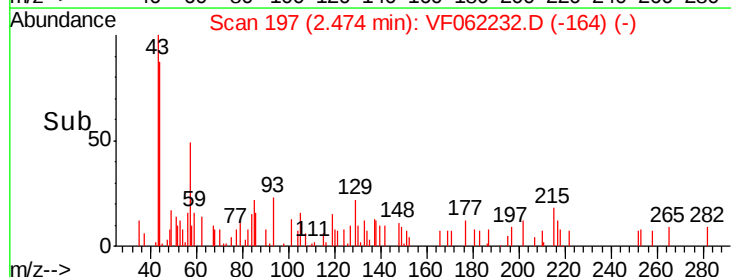
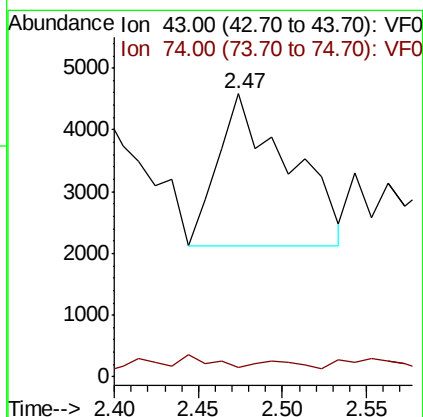
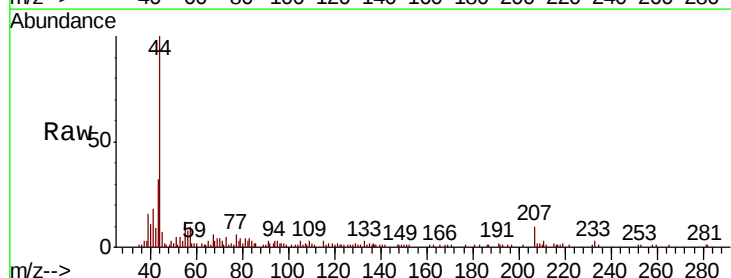
Instrument :
MSVOA_F
ClientSampleId :
EXCAVATION-NEWARK-SOUTH-PIL

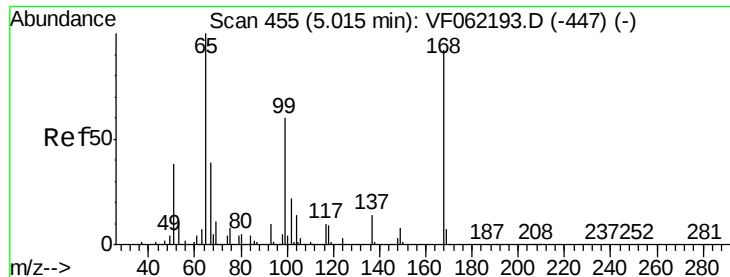
Tot Ion: 43 Resp: 35022
Ion Ratio Lower Upper
43 100
58 19.8 18.8 28.2



#18
Methyl Acetate
Concen: Below Cal
RT: 2.47 min Scan# 197
Delta R.T. 0.02 min
Lab File: VF062232.D
Acq: 19 Apr 2019 18:39

Tgt Ion: 43 Resp: 7209
Ion Ratio Lower Upper
43 100
74 3.1 14.5 21.7#





#33

1,2-Dichloroethane-d4

Concen: 43.205 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.02 min

Lab File: VF062232.D

Acq: 19 Apr 2019 18:39

Instrument :

MSVOA_F

ClientSampleId :

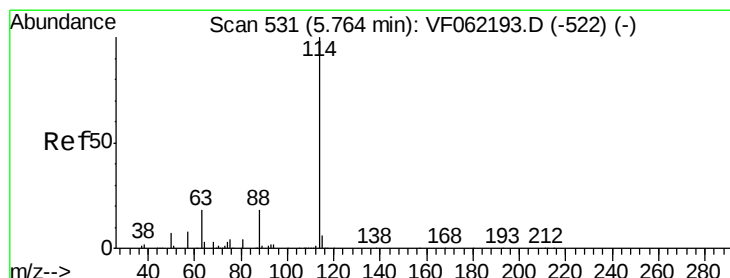
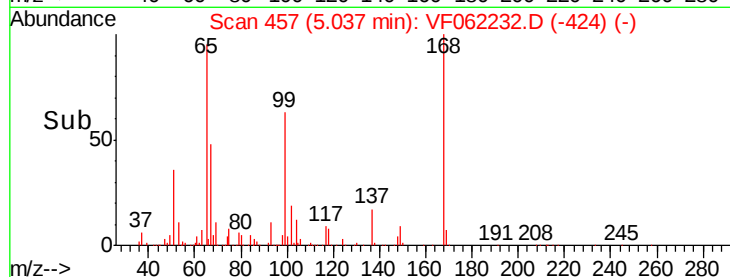
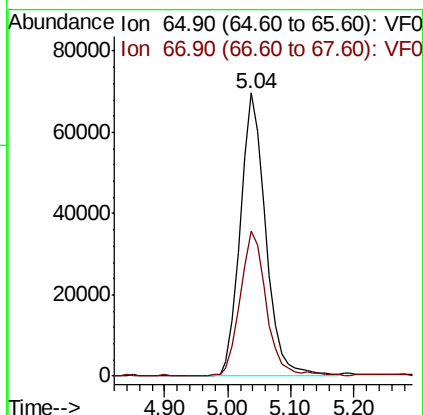
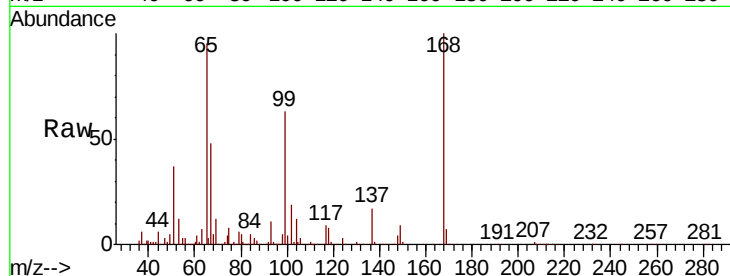
EXCAVATION-NEWARK-SOUTH-PIL

Tot Ion: 65 Resp: 194573

Ion Ratio Lower Upper

65 100

67 52.2 0.0 109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. 0.01 min

Lab File: VF062232.D

Acq: 19 Apr 2019 18:39

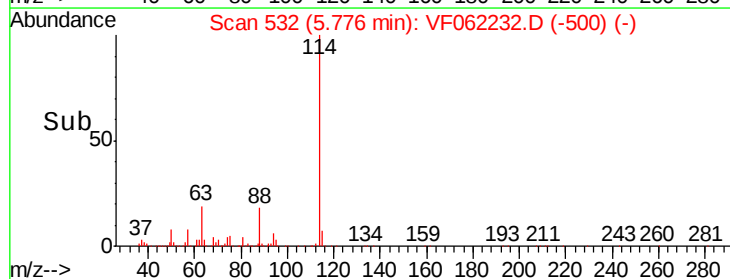
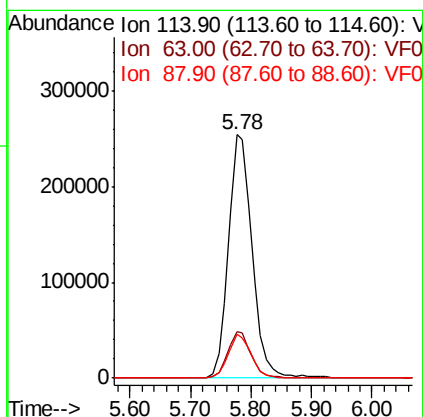
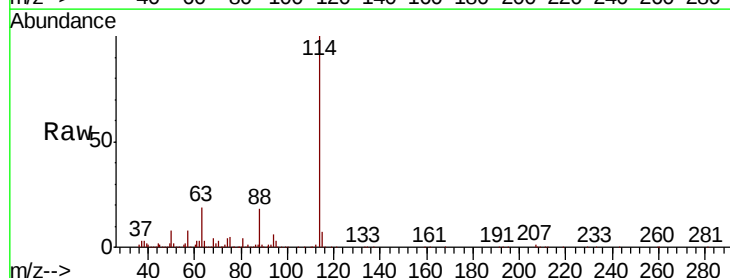
Tgt Ion: 114 Resp: 691204

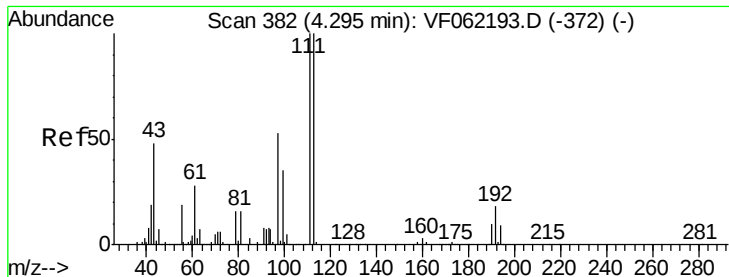
Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.6

88 18.0 0.0 35.8

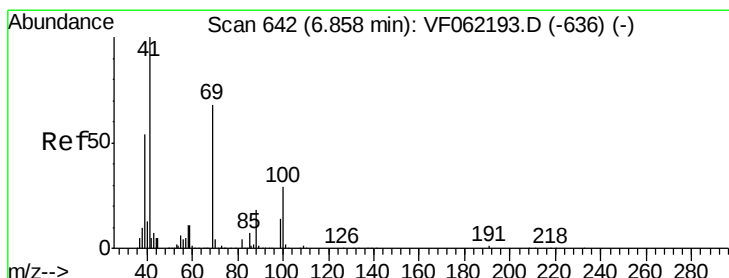
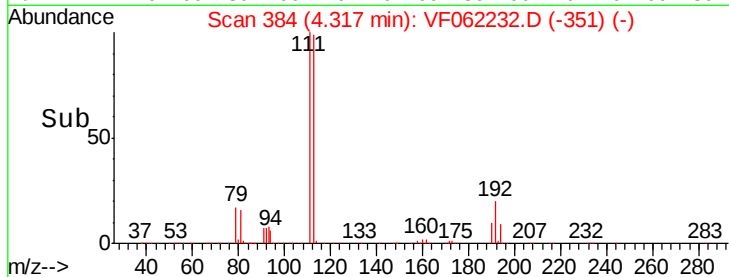
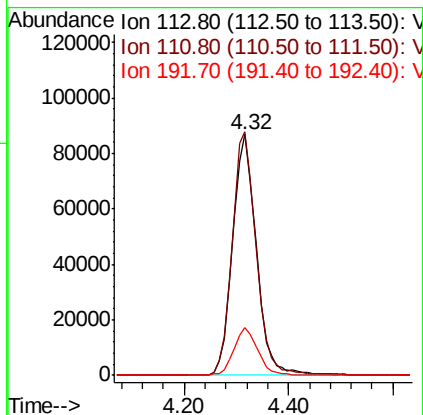
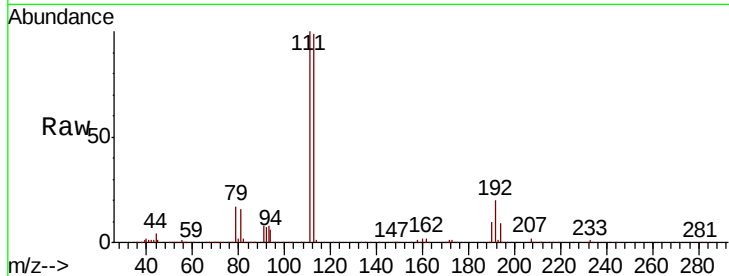




#35
 Dibromofluoromethane
 Concen: 44.344 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.02 min
 Lab File: VF062232.D
 Acq: 19 Apr 2019 18:39

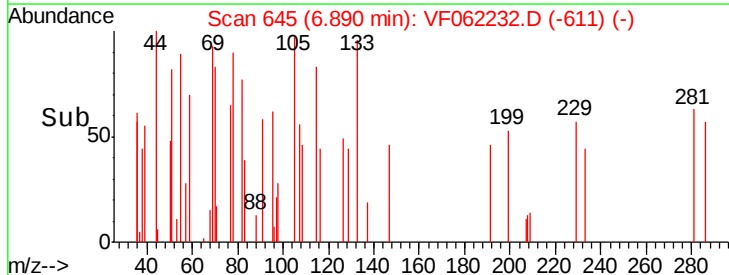
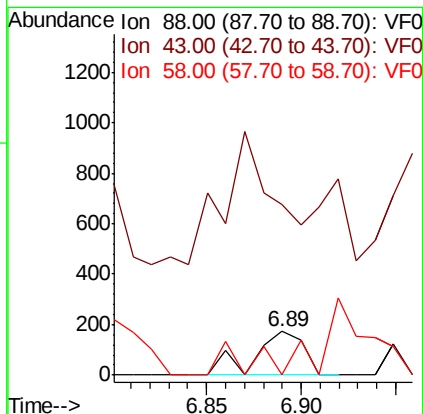
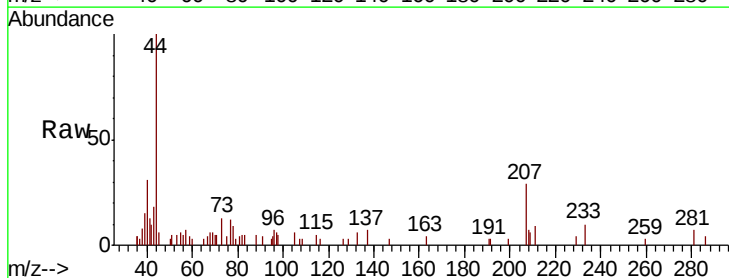
Instrument :
 MSVOA_F
 ClientSampleId :
 EXCAVATION-NEWARK-SOUTH-PIL

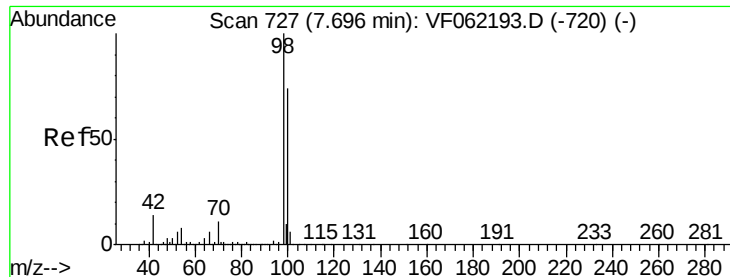
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.1	121.7
192	19.7	14.7	22.1



#49
 1,4-Dioxane
 Concen: 10.097 ug/l
 RT: 6.89 min Scan# 645
 Delta R.T. 0.03 min
 Lab File: VF062232.D
 Acq: 19 Apr 2019 18:39

Tgt Ion	Ratio	Lower	Upper
88	100		
43	317.6	36.9	55.3#
58	21.7	56.8	85.2#





#50

Toluene-d8

Concen: 36.383 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.02 min

Lab File: VF062232.D

Acq: 19 Apr 2019 18:39

Instrument :

MSVOA_F

ClientSampleId :

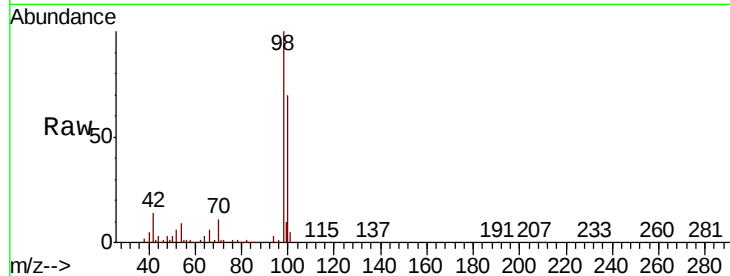
EXCAVATION-NEWARK-SOUTH-PIL

Tot Ion: 98 Resp: 556841

Ion Ratio Lower Upper

98 100

100 68.3 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

250000

200000

150000

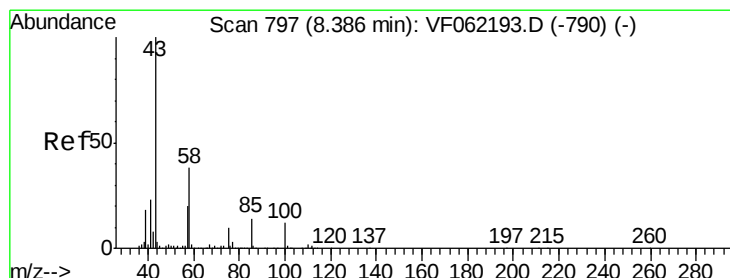
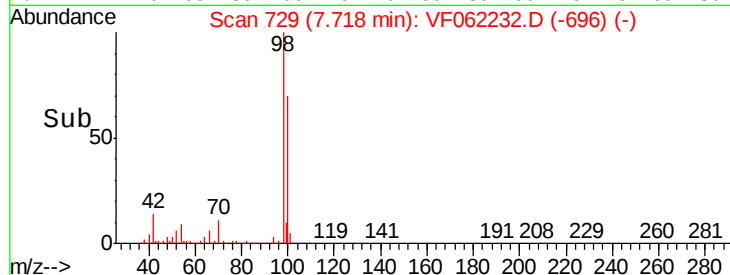
100000

50000

0

7.60 7.70 7.80 7.90

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.402 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.02 min

Lab File: VF062232.D

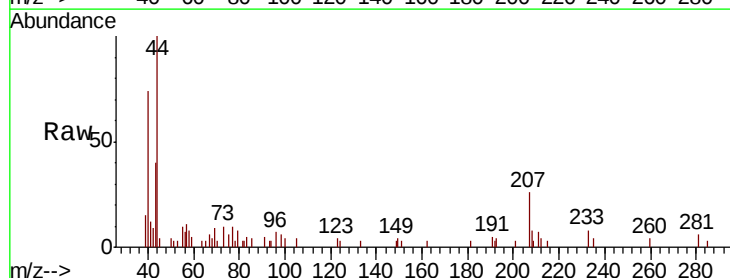
Acq: 19 Apr 2019 18:39

Tgt Ion: 43 Resp: 4290

Ion Ratio Lower Upper

43 100

58 29.4 29.3 43.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

1500

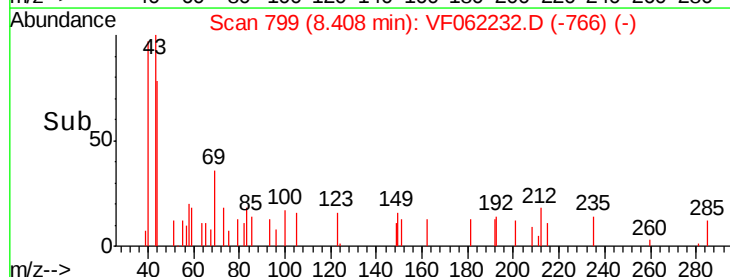
1000

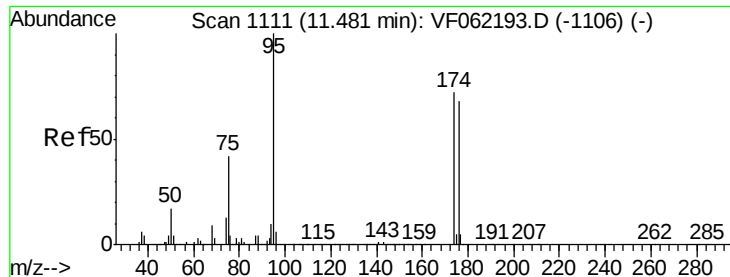
500

0

8.35 8.40 8.45

Time-->





#62

4-Bromofluorobenzene

Concen: 34.819 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF062232.D

Acq: 19 Apr 2019 18:39

Instrument :

MSVOA_F

ClientSampleId :

EXCAVATION-NEWARK-SOUTH-PIL

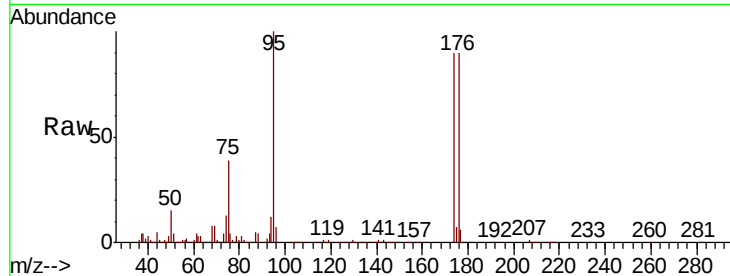
Tot Ion: 95 Resp: 205007

Ion Ratio Lower Upper

95 100

174 87.2 0.0 159.4

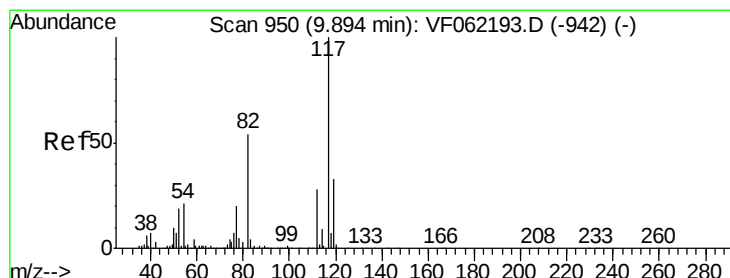
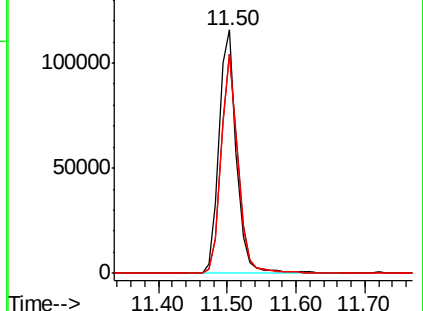
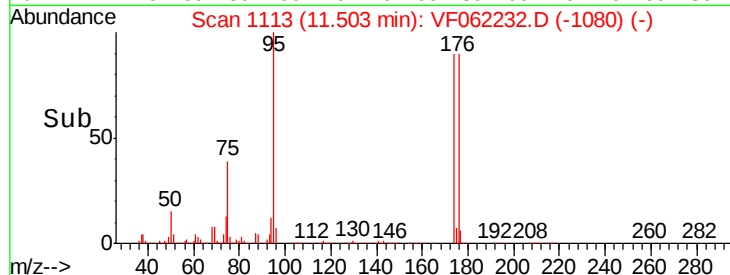
176 85.8 0.0 155.4



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. 0.02 min

Lab File: VF062232.D

Acq: 19 Apr 2019 18:39

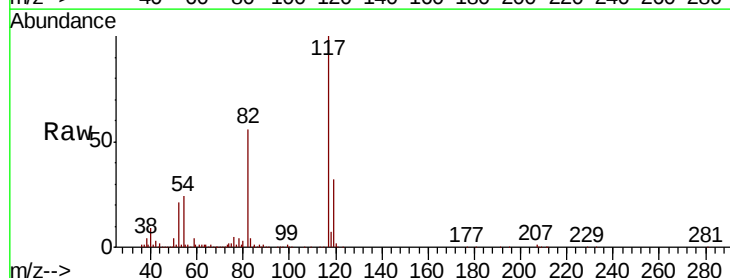
Tgt Ion: 117 Resp: 448807

Ion Ratio Lower Upper

117 100

82 56.3 43.2 64.8

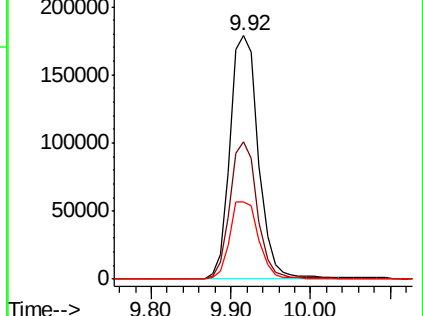
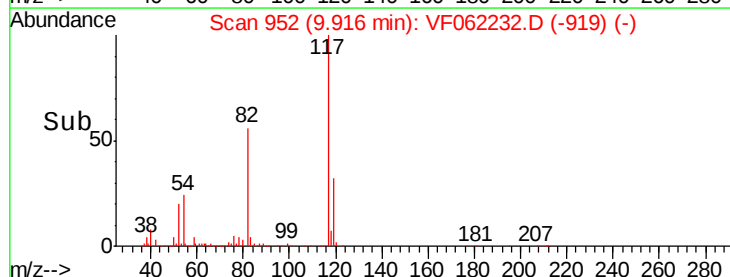
119 31.9 26.2 39.4

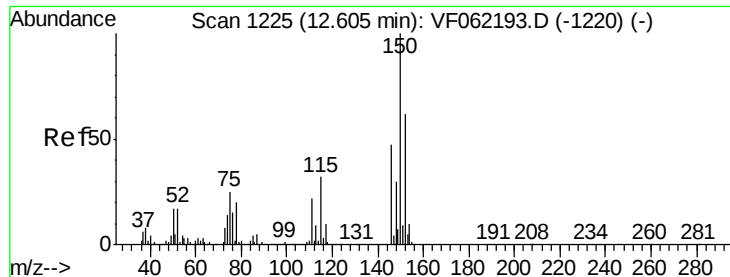


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



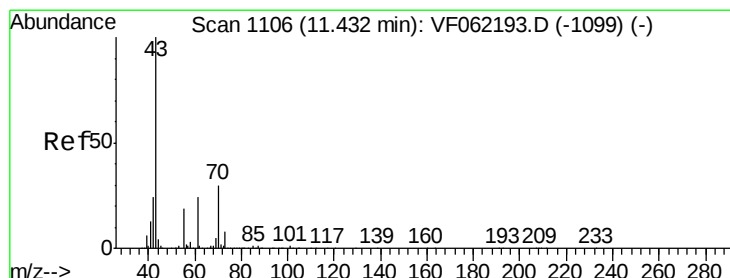
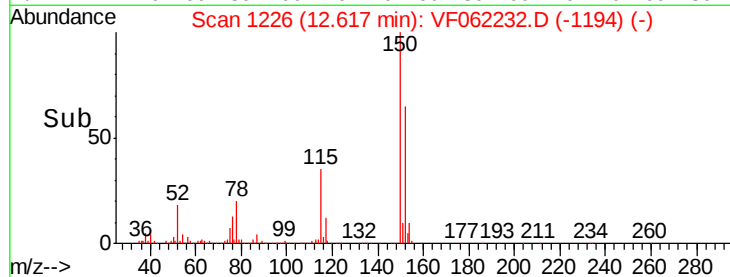
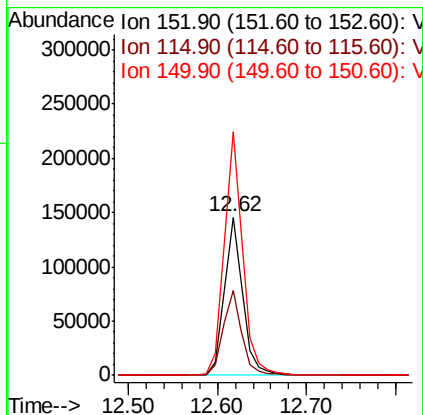
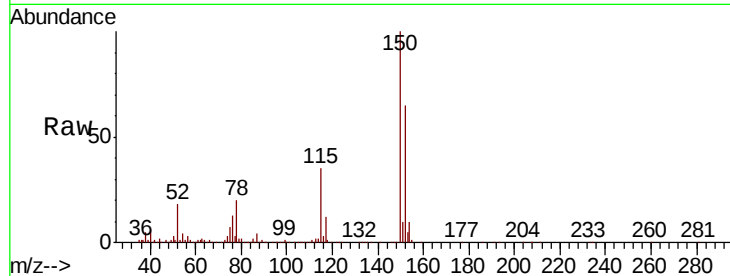


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062232.D
Acq: 19 Apr 2019 18:39

Instrument :
MSVOA_F
ClientSampleId :
EXCAVATION-NEWARK-SOUTH-PIL

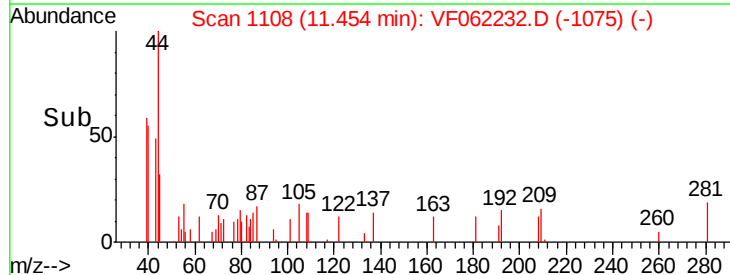
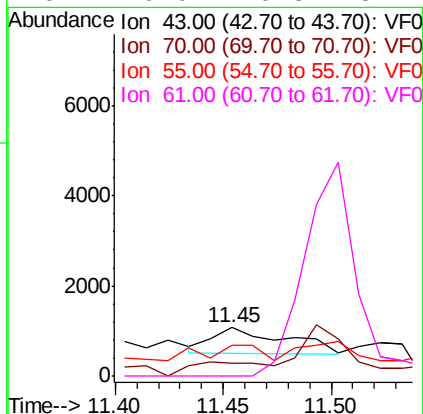
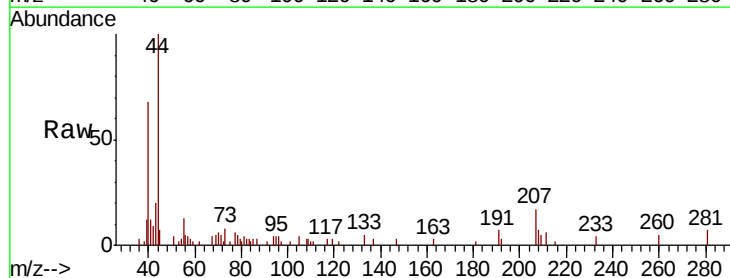
Tot Ion:152 Resp: 215710
Ion Ratio Lower Upper
152 100
115 54.1 27.8 83.3
150 153.8 0.0 341.8

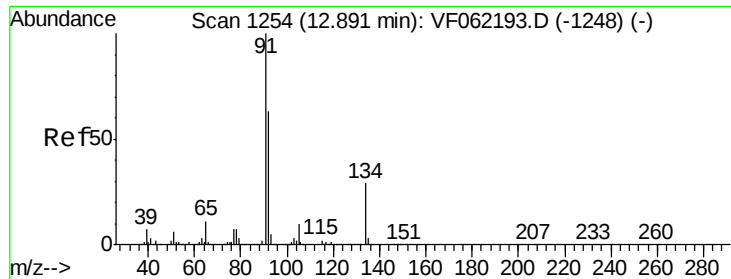


#74

N-ethyl acetate
Concen: Below Cal
RT: 11.45 min Scan# 1108
Delta R.T. 0.02 min
Lab File: VF062232.D
Acq: 19 Apr 2019 18:39

Tgt Ion: 43 Resp: 1396
Ion Ratio Lower Upper
43 100
70 57.4 27.0 40.4#
55 45.1 15.7 23.5#
61 0.0 20.8 31.2#





#89

n-Butylbenzene

Concen: Below Cal

RT: 12.90 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF062232.D

Acq: 19 Apr 2019 18:39

Instrument :

MSVOA_F

ClientSampleId :

EXCAVATION-NEWARK-SOUTH-PIL

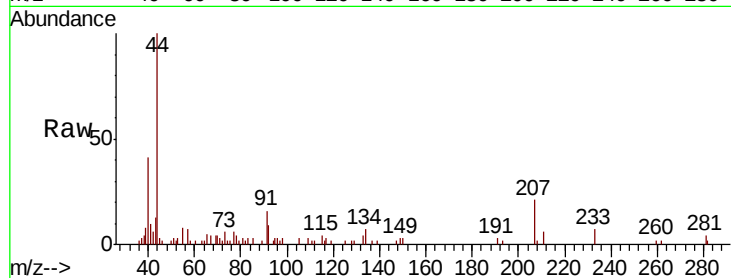
Tot Ion: 91 Resp: 2299

Ion Ratio Lower Upper

91 100

92 39.4 31.2 93.6

134 31.7 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V

