

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080618\
 Data File : VF059887.D
 Acq On : 6 Aug 2018 20:35
 Operator : VA/AP
 Sample : J4260-01RE
 Misc : 1.12g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TS-LINER-RO-135RE

Quant Time: Aug 07 04:05:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

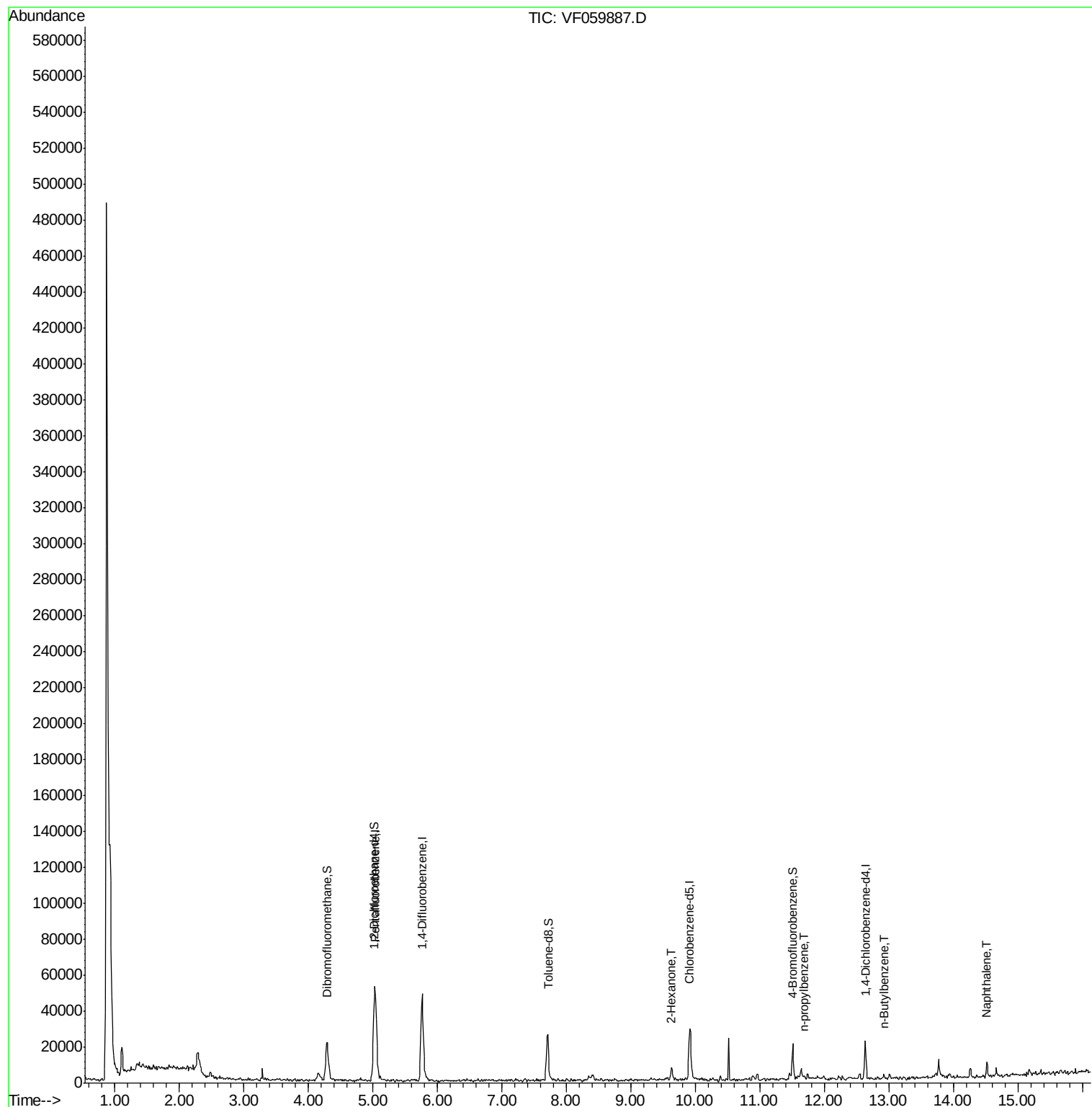
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	34683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	44694	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	19910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	4850	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	25314	40.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.96%	
35) Dibromofluoromethane	4.29	113	19276	43.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.70%	
50) Toluene-d8	7.71	98	21348	22.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	45.12%	
62) 4-Bromofluorobenzene	11.51	95	6187	11.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	23.28%	
Target Compounds						
59) 2-Hexanone	9.63	43	5495	33.29	ug/l	Qvalue 75
78) n-propylbenzene	11.69	91	1334	3.74	ug/l	87
89) n-Butylbenzene	12.92	91	1249	4.30	ug/l	72
95) Naphthalene	14.52	128	4996	25.37	ug/l #	88

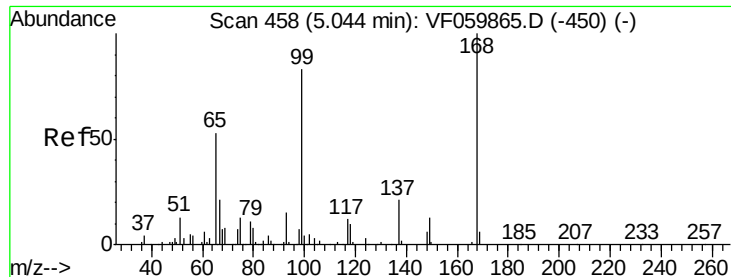
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF059887.D

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Instrument :

MSVOA_F

ClientSampleId :

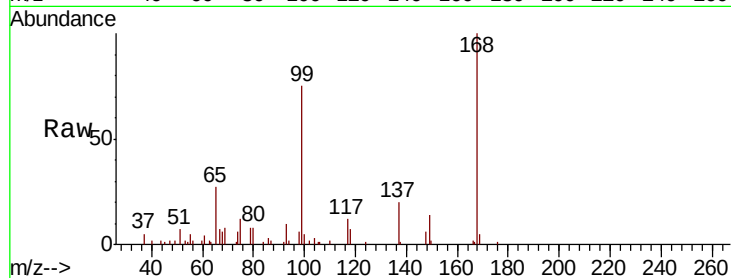
TS-LINER-RO-135RE

Tot Ion:168 Resp: 34683

Ion Ratio Lower Upper

168 100

99 74.9 66.3 99.5



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

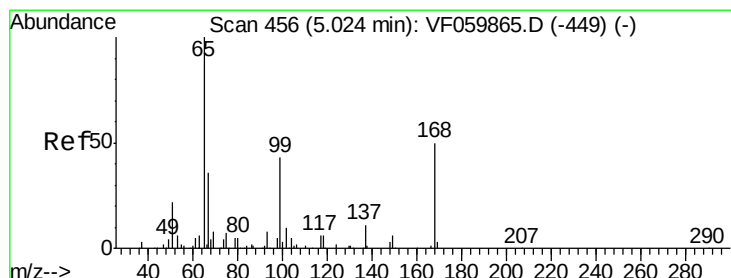
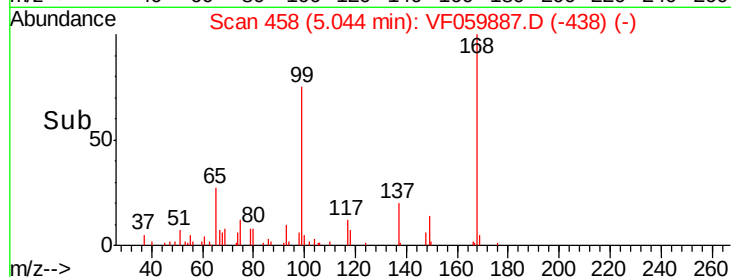
5.04

10000

5000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 40.48 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059887.D

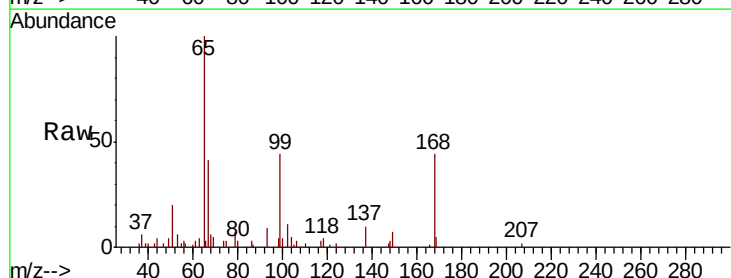
Acq: 6 Aug 2018 20:35

Tgt Ion: 65 Resp: 25314

Ion Ratio Lower Upper

65 100

67 41.1 0.0 77.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.01

10000

8000

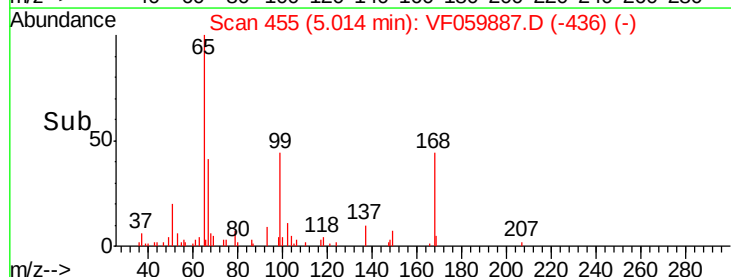
6000

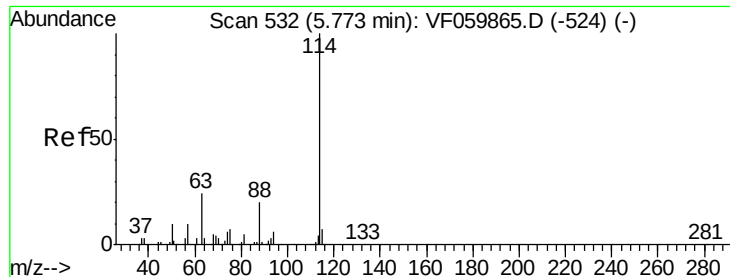
4000

2000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF059887.D

Acq: 6 Aug 2018 20:35

Instrument :

MSVOA_F

ClientSampleId :

TS-LINER-RO-135RE

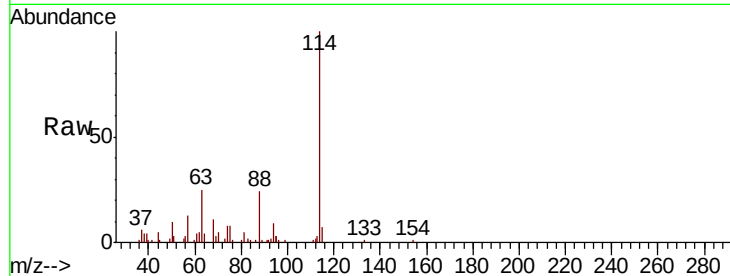
Tot Ion:114 Resp: 44694

Ion Ratio Lower Upper

114 100

63 25.0 0.0 48.0

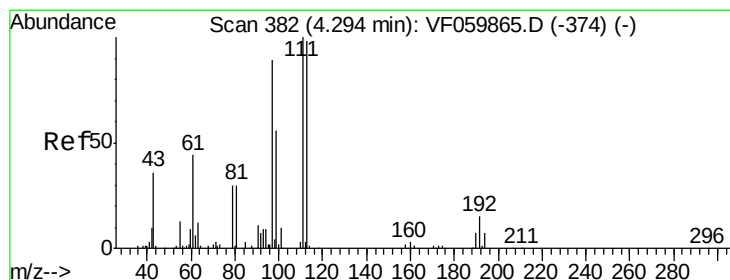
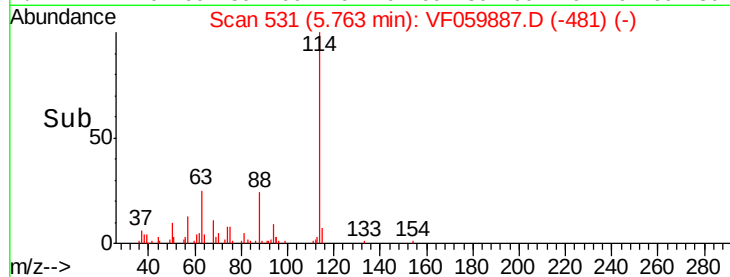
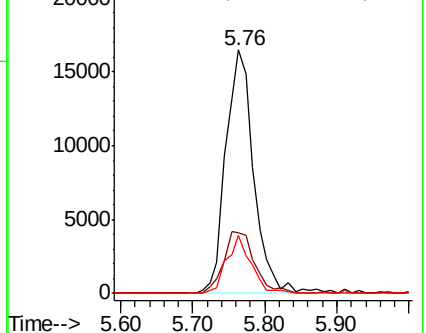
88 23.9 0.0 39.4



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: 43.35 ug/l

RT: 4.29 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF059887.D

Acq: 6 Aug 2018 20:35

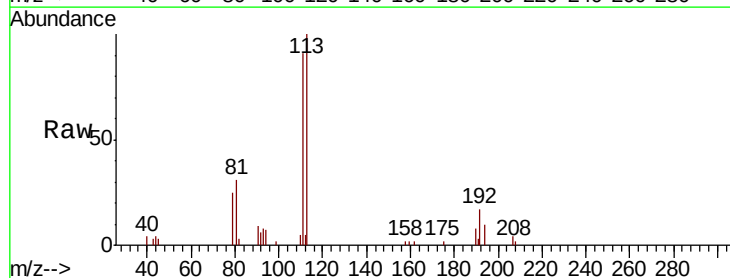
Tgt Ion:113 Resp: 19276

Ion Ratio Lower Upper

113 100

111 90.9 81.8 122.8

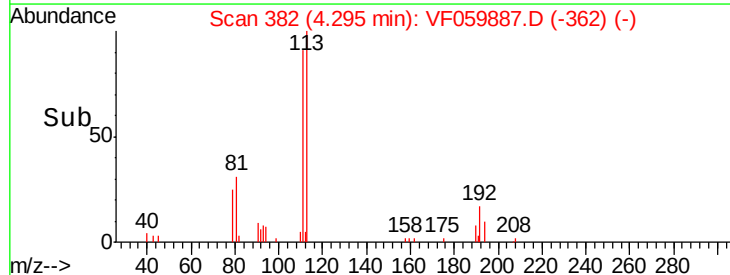
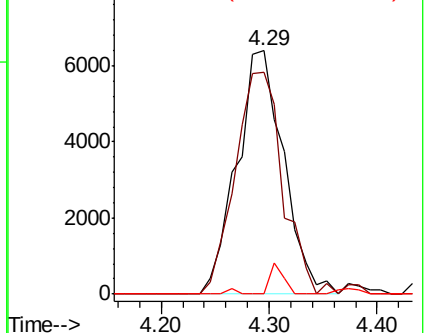
192 0.0 12.4 18.6#

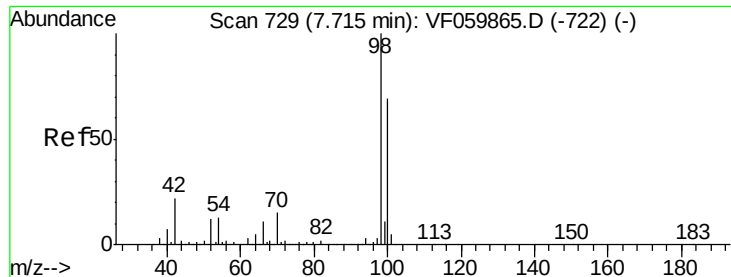


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

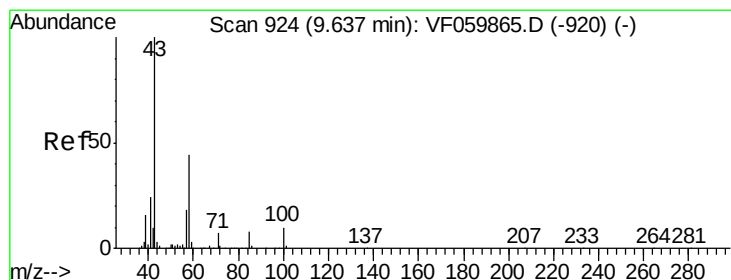
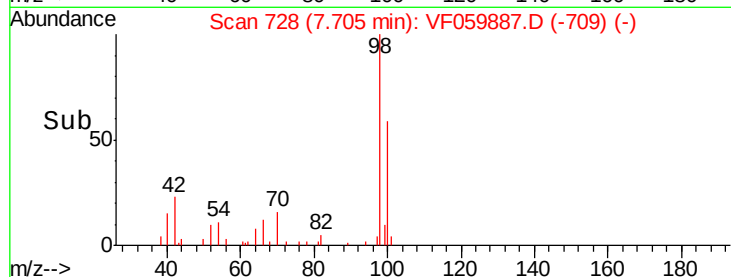
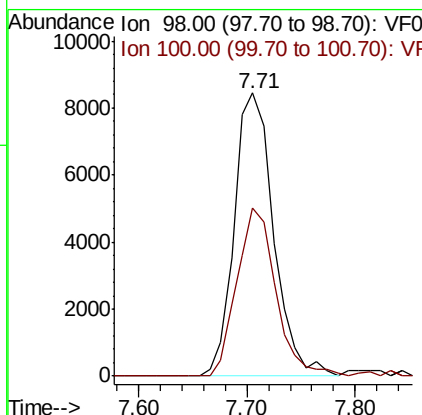
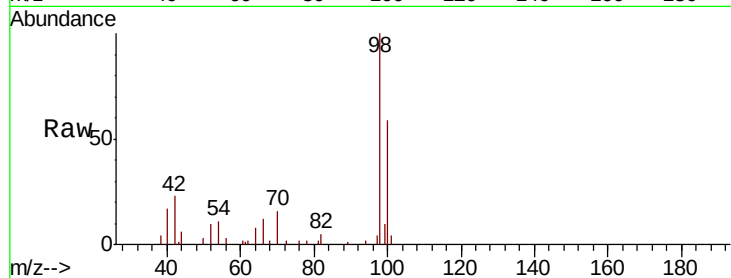




#50
Toluene-d8
Concen: 22.56 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF059887.D
Acq: 6 Aug 2018 20:35

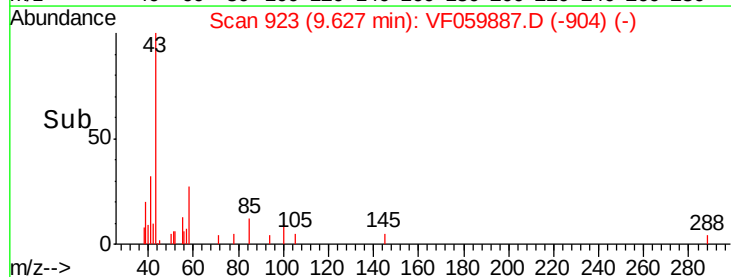
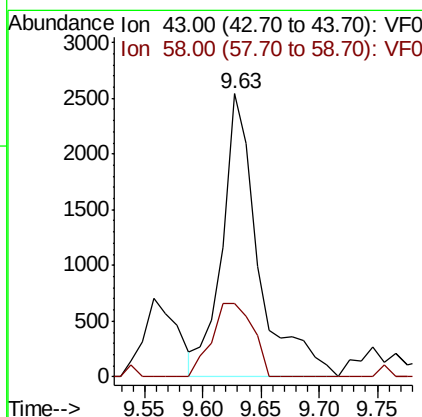
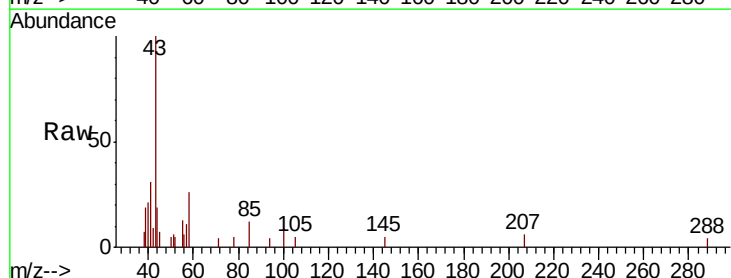
Instrument :
MSVOA_F
ClientSampleId :
TS-LINER-RO-135RE

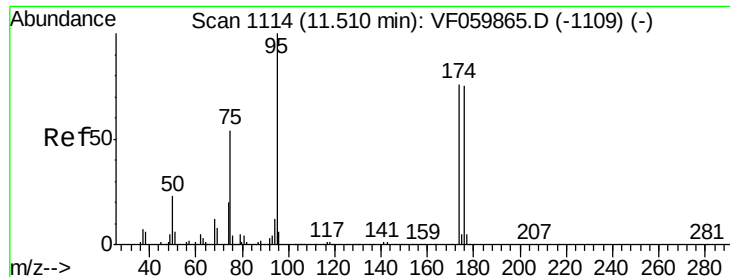
Tot Ion: 98 Resp: 21348
Ion Ratio Lower Upper
98 100
100 59.4 55.0 82.6



#59
2-Hexanone
Concen: 33.29 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF059887.D
Acq: 6 Aug 2018 20:35

Tgt Ion: 43 Resp: 5495
Ion Ratio Lower Upper
43 100
58 26.0 20.8 62.2





#62

4-Bromofluorobenzene

Concen: 11.64 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059887.D

Acq: 6 Aug 2018 20:35

Instrument :

MSVOA_F

ClientSampleId :

TS-LINER-RO-135RE

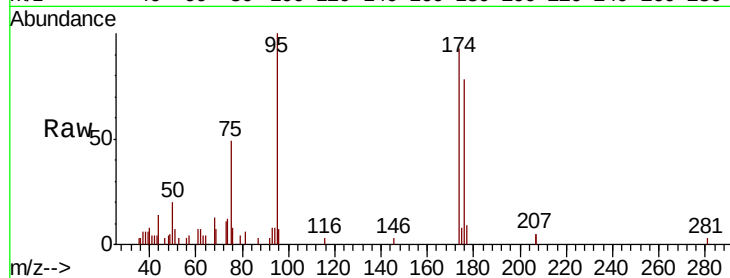
Tot Ion: 95 Resp: 6187

Ion Ratio Lower Upper

95 100

174 92.5 0.0 151.6

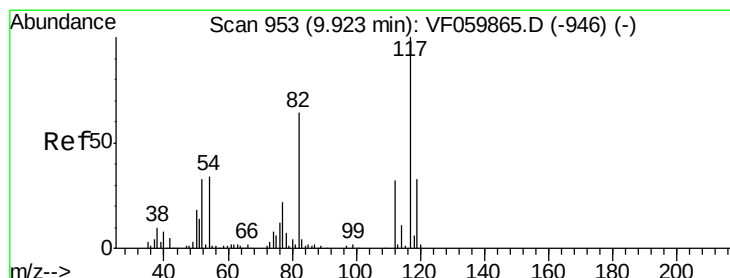
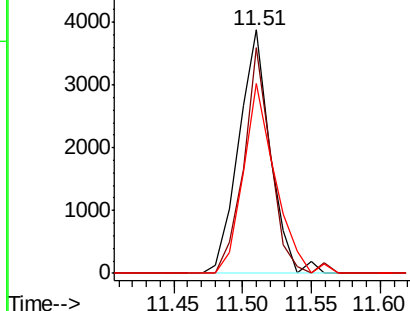
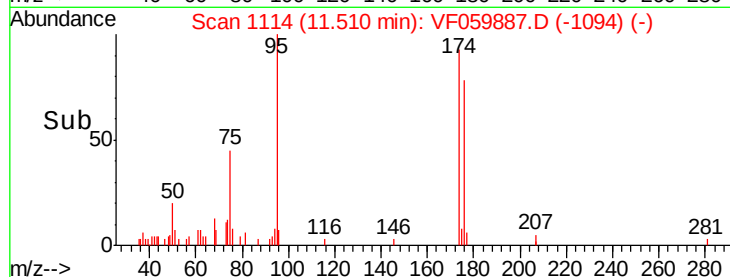
176 77.9 0.0 149.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.91 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF059887.D

Acq: 6 Aug 2018 20:35

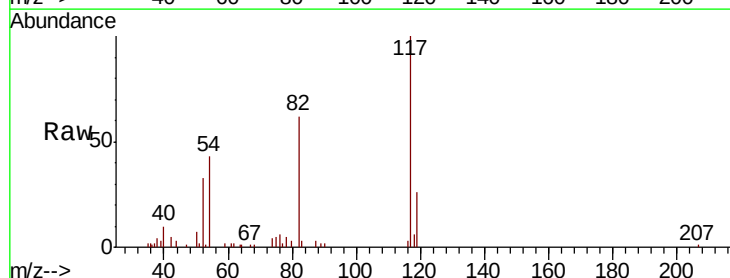
Tgt Ion: 117 Resp: 19910

Ion Ratio Lower Upper

117 100

82 62.2 51.3 76.9

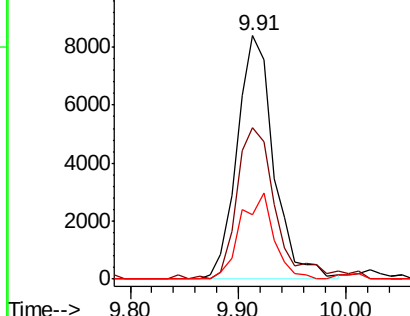
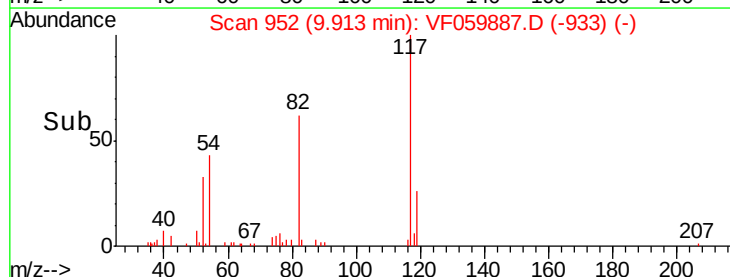
119 26.3 26.4 39.6#

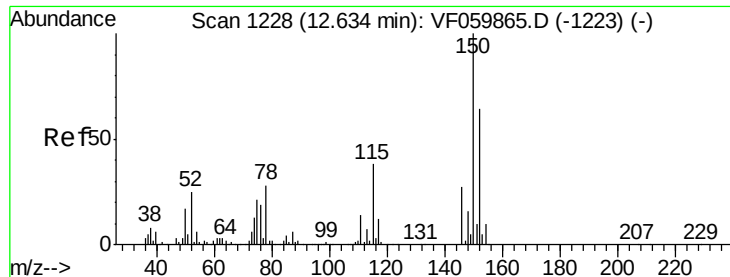


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059887.D

Acq: 6 Aug 2018 20:35

Instrument :

MSVOA_F

ClientSampleId :

TS-LINER-RO-135RE

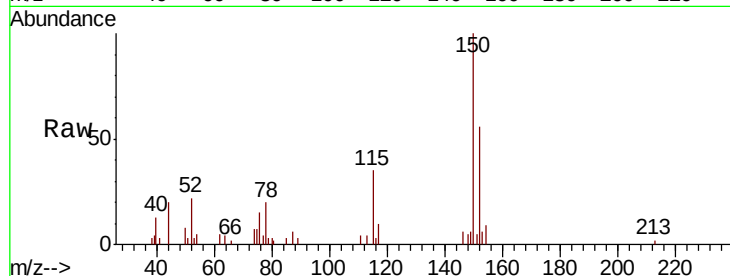
Tot Ion:152 Resp: 4850

Ion Ratio Lower Upper

152 100

115 62.9 29.8 89.4

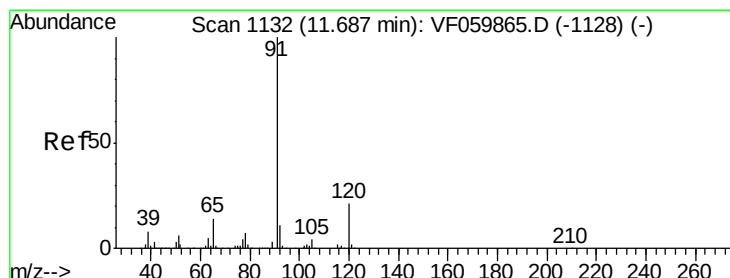
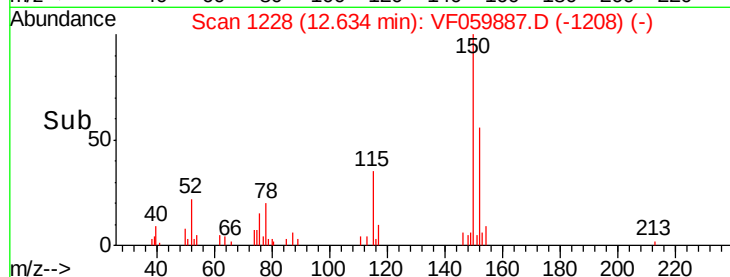
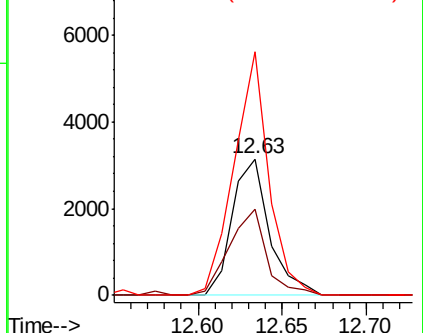
150 178.1 0.0 315.6



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



#78

n-propylbenzene

Concen: 3.74 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059887.D

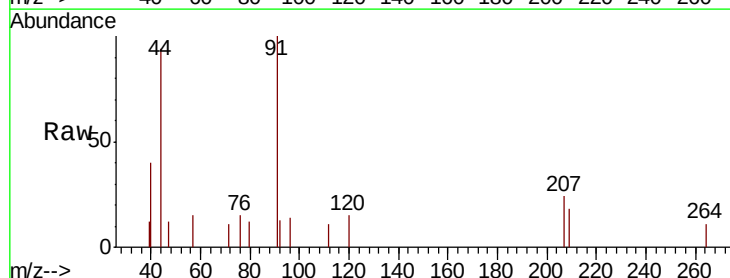
Acq: 6 Aug 2018 20:35

Tgt Ion: 91 Resp: 1334

Ion Ratio Lower Upper

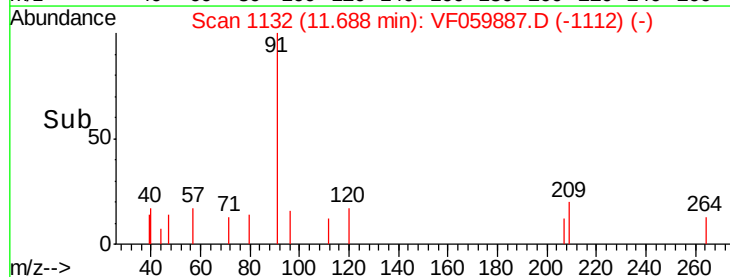
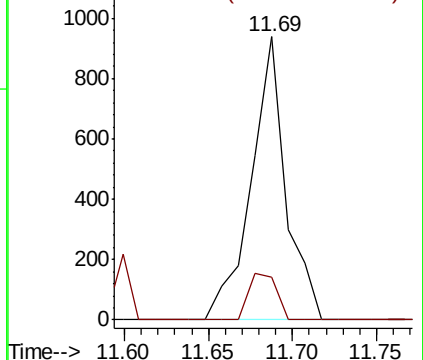
91 100

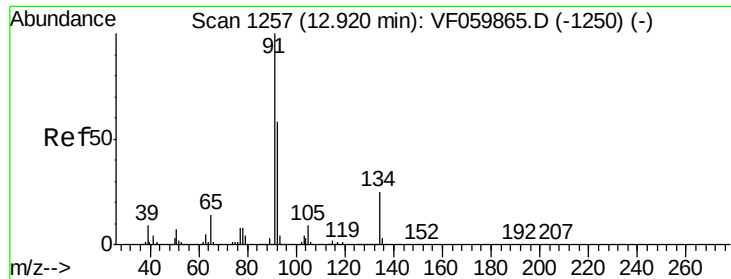
120 14.9 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#89

n-Butylbenzene

Concen: 4.30 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF059887.D

Acq: 6 Aug 2018 20:35

Instrument :

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TS-LINER-RO-135RE

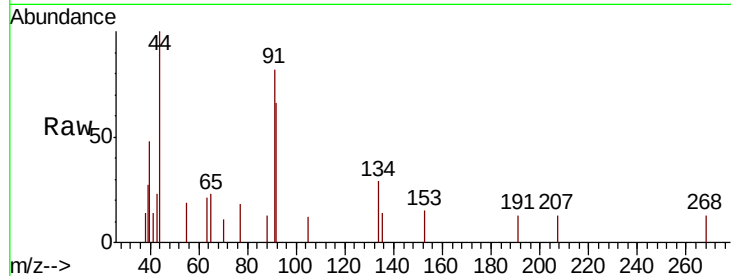
Tot Ion: 91 Resp: 1249

Ion Ratio Lower Upper

91 100

92 80.8 28.8 86.5

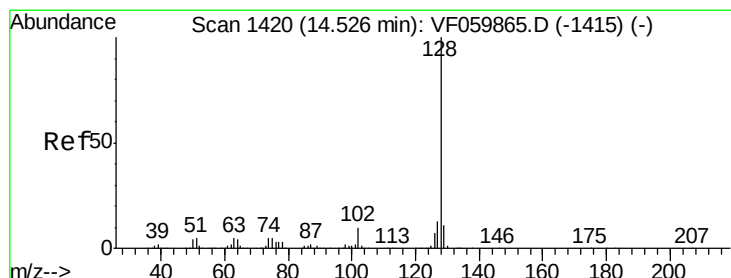
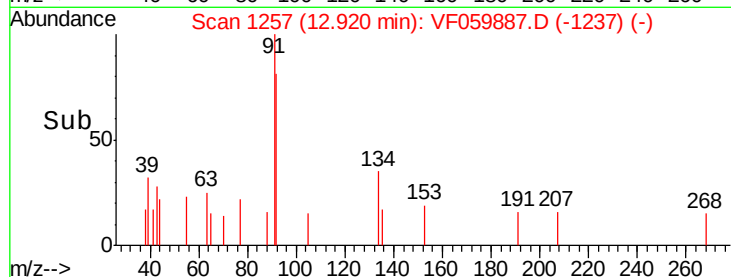
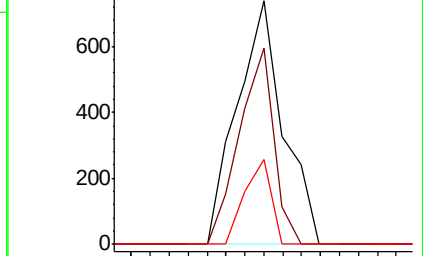
134 35.1 12.6 37.6



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



#95

Naphthalene

Concen: 25.37 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF059887.D

Acq: 6 Aug 2018 20:35

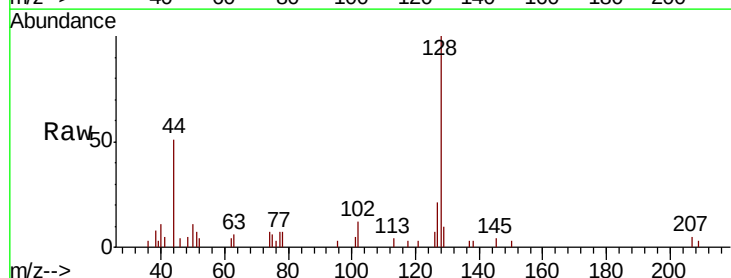
Tgt Ion: 128 Resp: 4996

Ion Ratio Lower Upper

128 100

127 21.0 10.4 15.6#

129 10.4 9.0 13.6



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

