

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080318\
 Data File : VF059844.D
 Acq On : 3 Aug 2018 17:44
 Operator : VA/AP
 Sample : J4260-01
 Misc : 1.00g/5mL/MSVOA F/SOIL
 ALS Vial : 88 Sample Multiplier: 1

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

Quant Time: Aug 04 03:30:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	152939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	228632	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	82397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	17815	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	153992	56.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.06%	
35) Dibromofluoromethane	4.28	113	120878	50.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.80%	
50) Toluene-d8	7.71	98	99187	17.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	35.82%	
62) 4-Bromofluorobenzene	11.51	95	26705	8.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	17.42%	

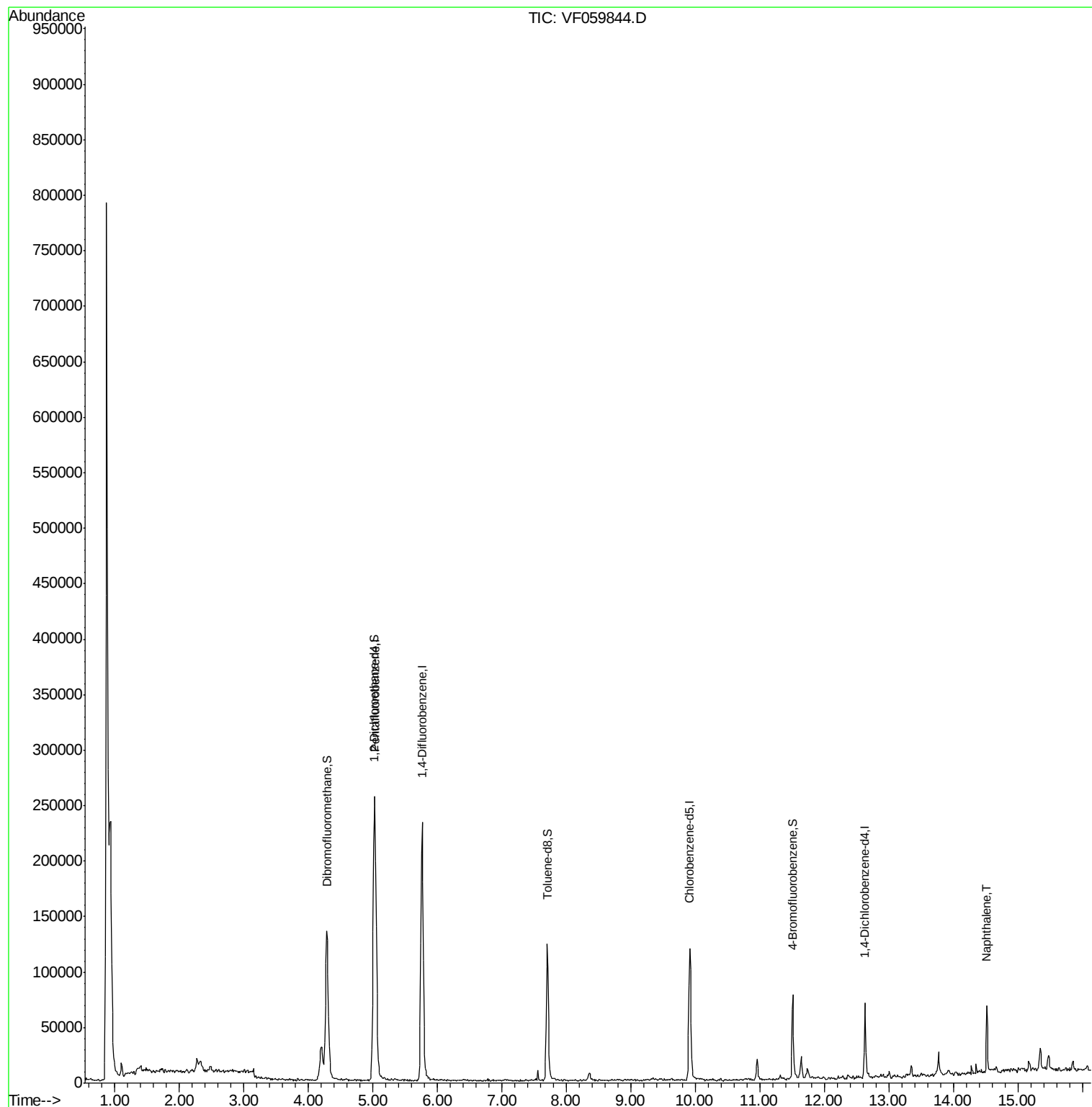
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
95) Naphthalene	14.52	128	38804	50.52	ug/l	99

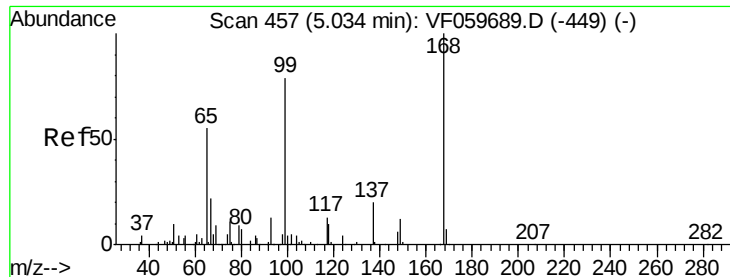
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059844.D

Acq: 3 Aug 2018 17:44

Instrument :

MSVOA_F

ClientSampleId :

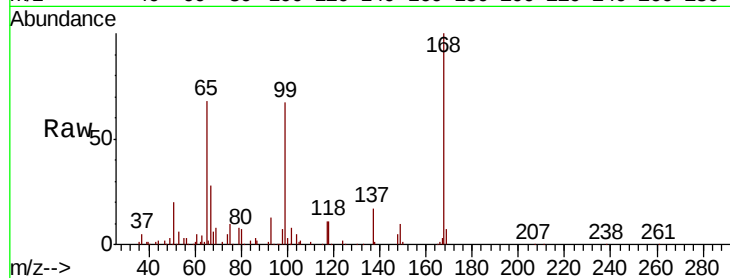
TS-LINER-RO-135

Tot Ion:168 Resp: 152939

Ion Ratio Lower Upper

168 100

99 67.2 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

60000

50000

40000

30000

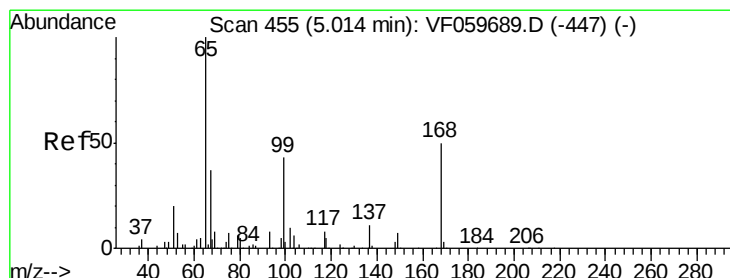
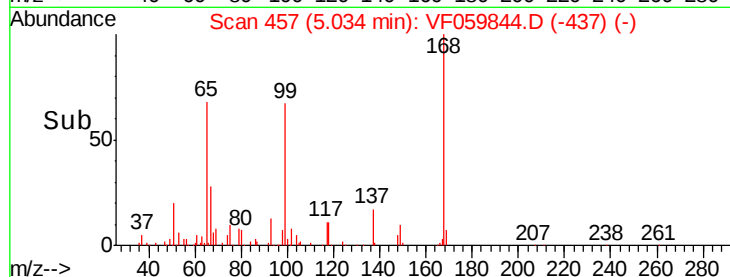
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#33

1,2-Dichloroethane-d4

Concen: 56.03 ug/l

RT: 5.01 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059844.D

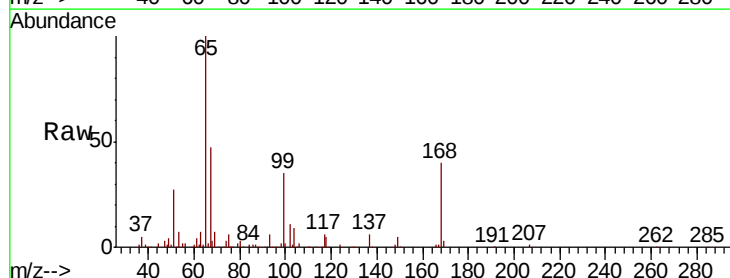
Acq: 3 Aug 2018 17:44

Tgt Ion: 65 Resp: 153992

Ion Ratio Lower Upper

65 100

67 46.6 0.0 84.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.01

60000

50000

40000

30000

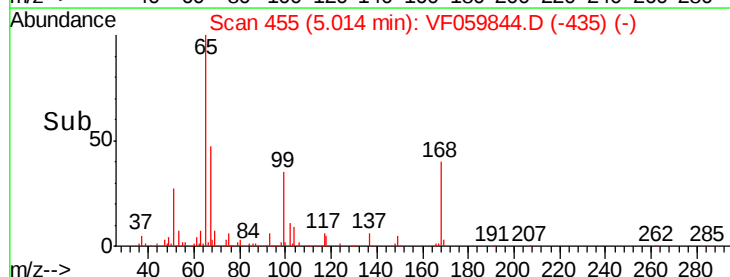
20000

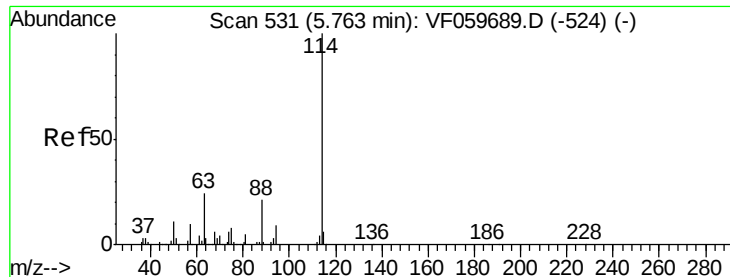
10000

0

4.90 5.00 5.10

Time-->





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.00 min

Lab File: VF059844.D

Acq: 3 Aug 2018 17:44

Instrument :

MSVOA_F

ClientSampleId :

TS-LINER-RO-135

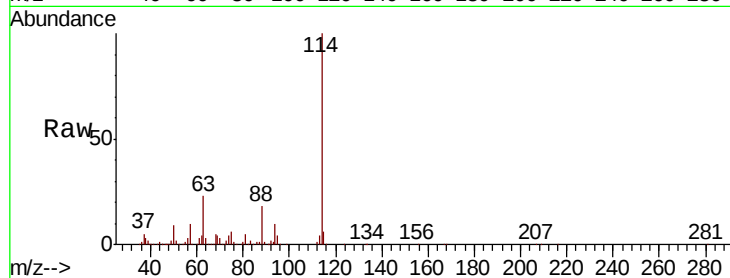
Tot Ion:114 Resp: 228632

Ion Ratio Lower Upper

114 100

63 22.7 0.0 47.4

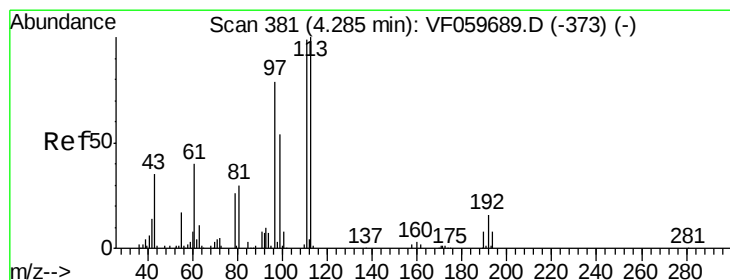
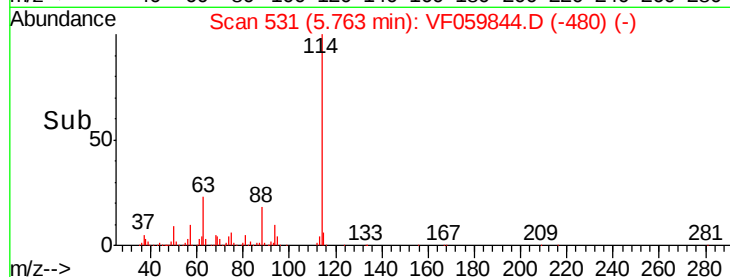
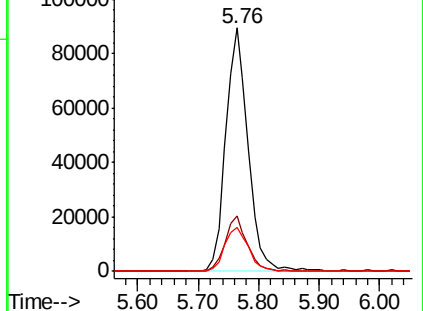
88 18.1 0.0 41.2



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: 50.90 ug/l

RT: 4.28 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059844.D

Acq: 3 Aug 2018 17:44

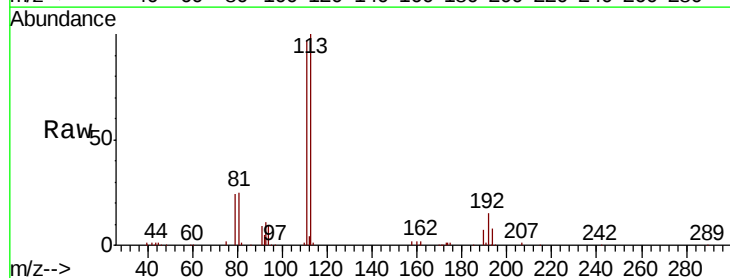
Tgt Ion:113 Resp: 120878

Ion Ratio Lower Upper

113 100

111 97.1 79.0 118.4

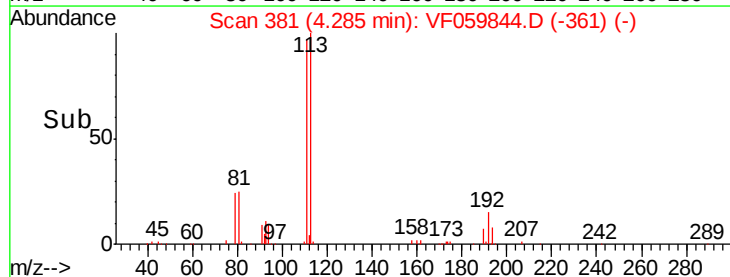
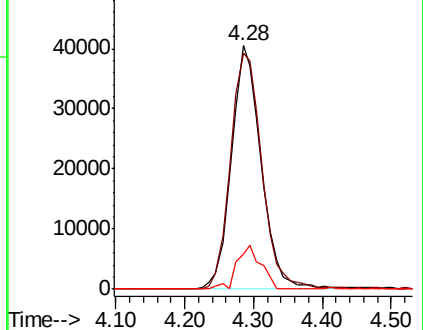
192 14.6 13.2 19.8

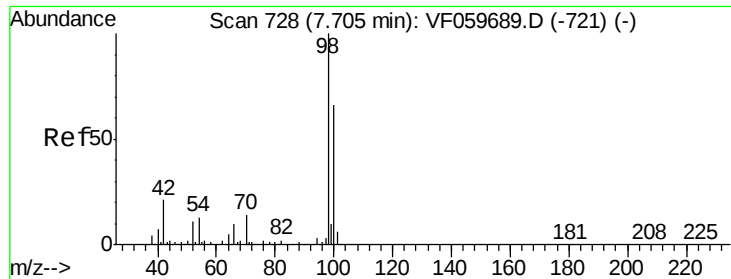


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

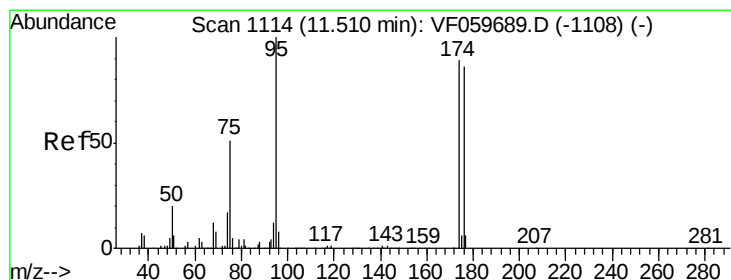
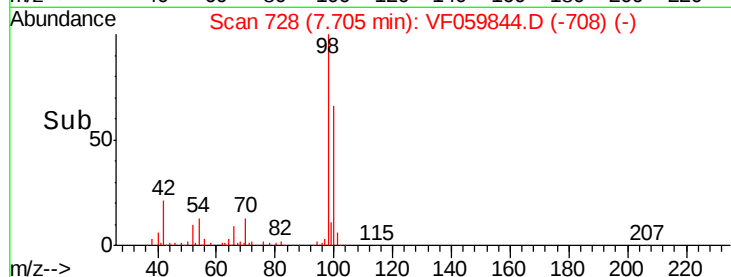
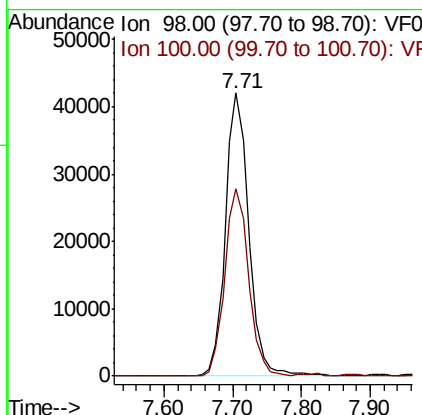
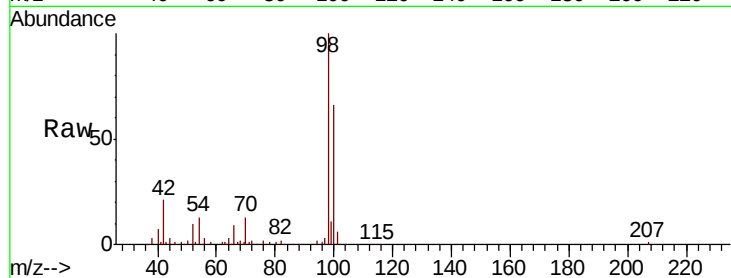




#50
Toluene-d8
Concen: 17.91 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059844.D
Acq: 3 Aug 2018 17:44

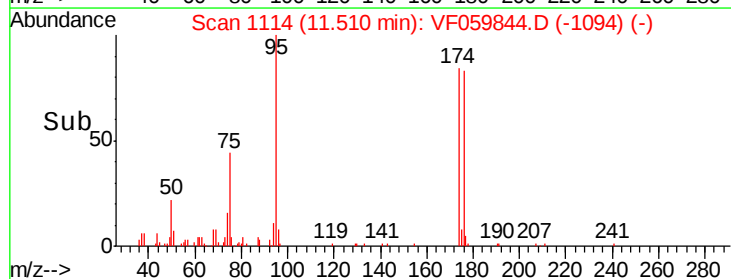
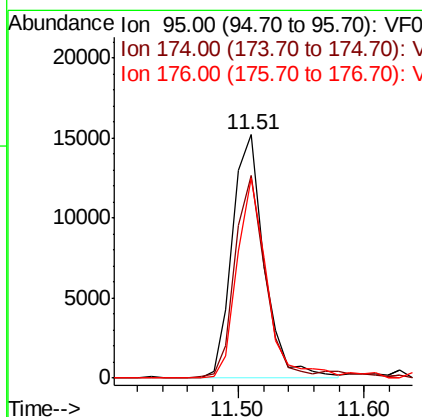
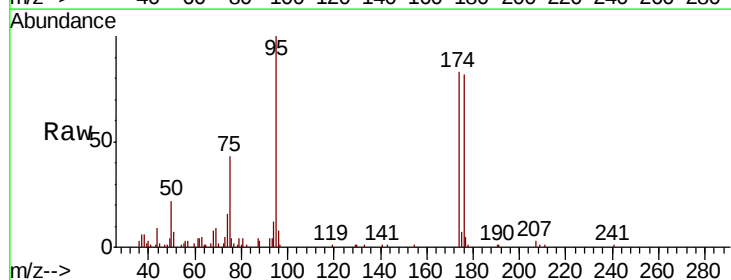
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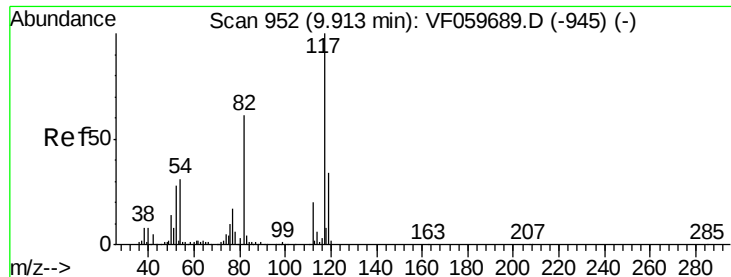
Tot Ion: 98 Resp: 99187
Ion Ratio Lower Upper
98 100
100 66.3 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 8.71 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VF059844.D
Acq: 3 Aug 2018 17:44

Tgt Ion: 95 Resp: 26705
Ion Ratio Lower Upper
95 100
174 83.2 0.0 178.4
176 82.2 0.0 173.0

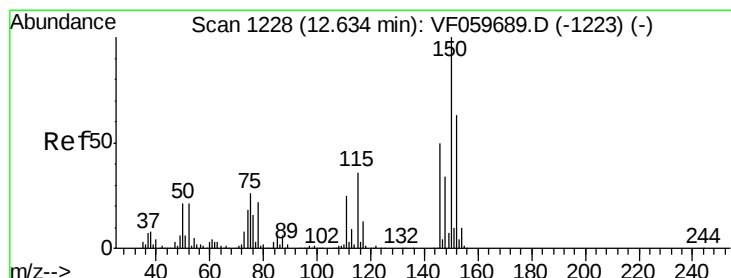
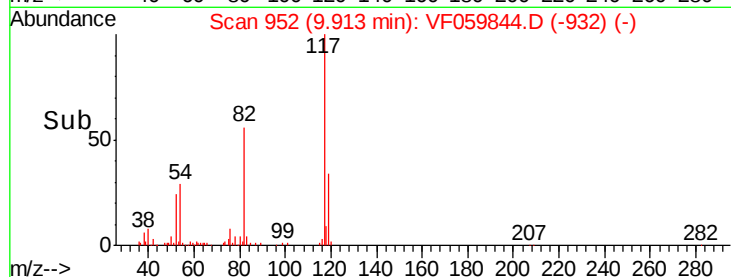
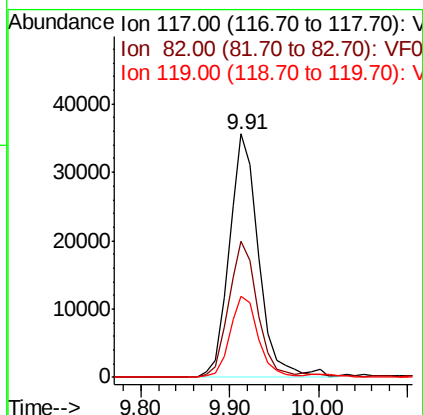
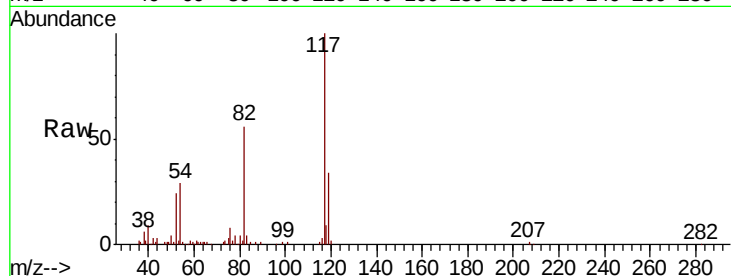




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059844.D
Acq: 3 Aug 2018 17:44

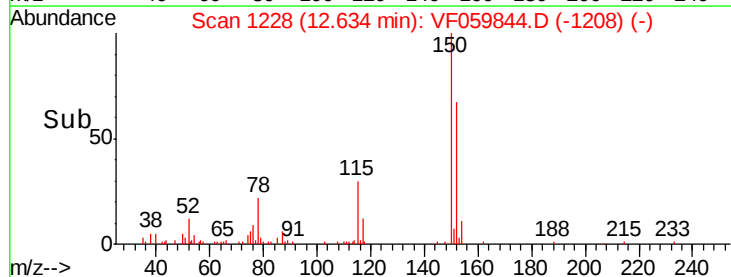
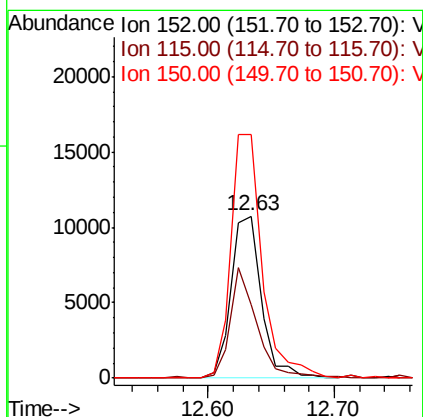
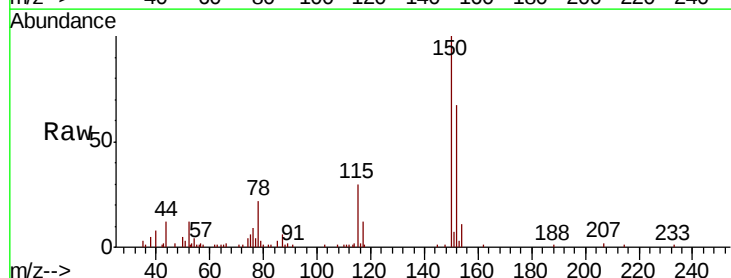
Instrument :
MSVOA_F
ClientSampleId :
TS-LINER-RO-135

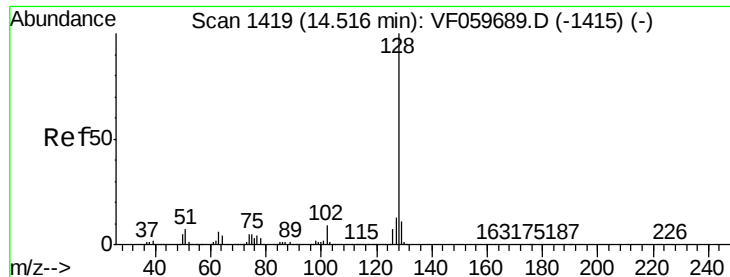
Tot Ion:117 Resp: 82397
Ion Ratio Lower Upper
117 100
82 55.9 49.0 73.4
119 33.6 27.3 40.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059844.D
Acq: 3 Aug 2018 17:44

Tgt Ion:152 Resp: 17815
Ion Ratio Lower Upper
152 100
115 45.1 28.2 84.6
150 150.1 0.0 316.2





#95

Naphthalene

Concen: 50.52 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF059844.D

Acq: 3 Aug 2018 17:44

Instrument :

MSVOA_F

ClientSampleId :

TS-LINER-RO-135

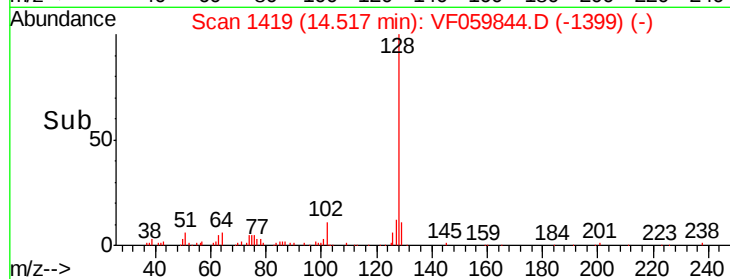
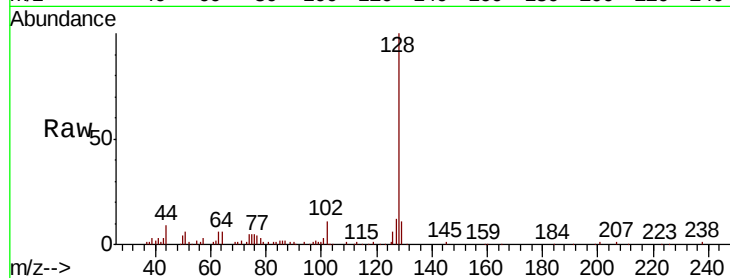
Tot Ion:128 Resp: 38804

Ion Ratio Lower Upper

128 100

127 12.2 10.0 15.0

129 11.4 8.6 13.0



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

