

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112219\
 Data File : VN059378.D
 Acq On : 22 Nov 2019 20:10
 Operator : JC/SP
 Sample : K5972-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-PILE

Quant Time: Nov 22 23:11:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	344371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	529219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	467245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	176814	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	199203	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
35) Dibromofluoromethane	7.57	113	160674	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
50) Toluene-d8	10.08	98	643576	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.40	95	209856	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	

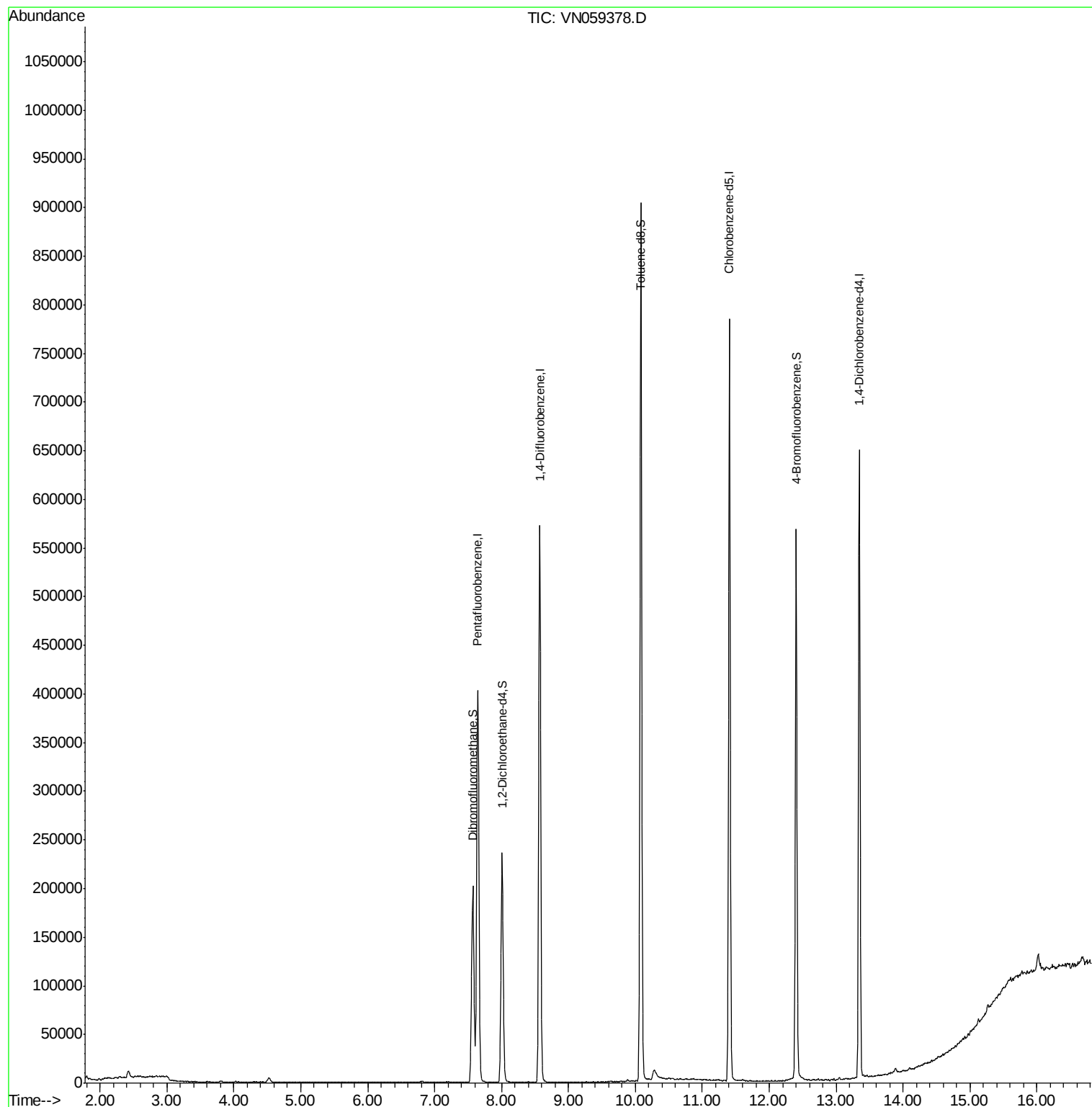
Target Compounds	Qvalue

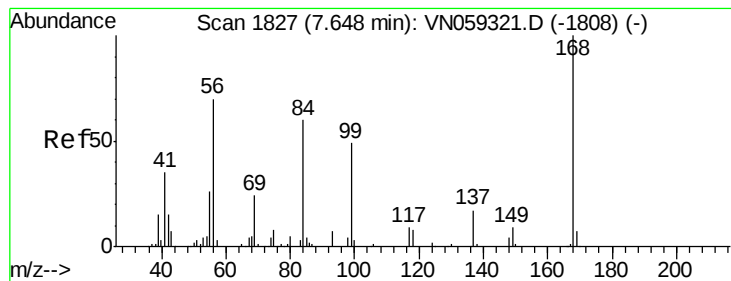
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 21 08:44:45 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059378.D

Acq: 22 Nov 2019 20:10

Instrument :

MSVOA_N

ClientSampleId :

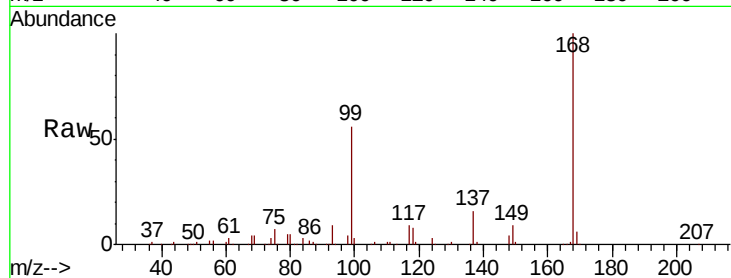
SOIL-PILE

Tot Ion:168 Resp: 344371

Ion Ratio Lower Upper

168 100

99 55.7 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): VN059321.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN059321.D (-1808) (-)

7.64

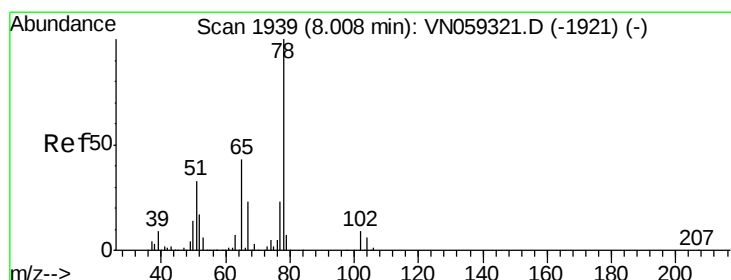
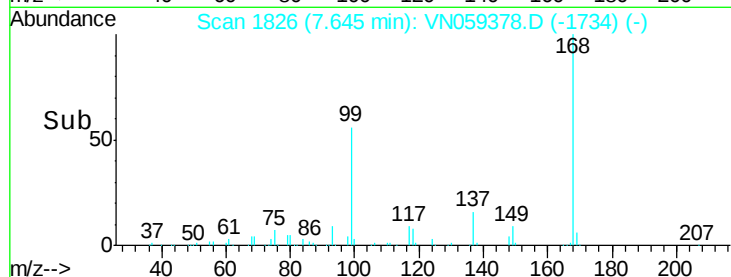
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#33

1,2-Dichloroethane-d4

Concen: 48.211 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059378.D

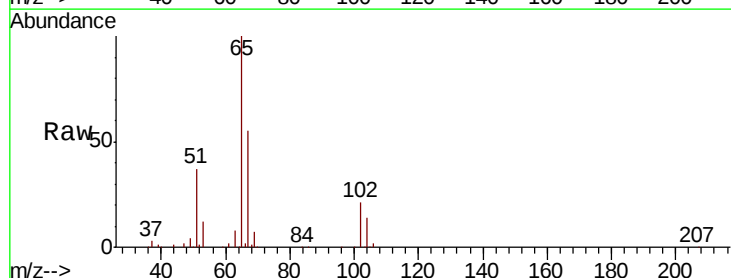
Acq: 22 Nov 2019 20:10

Tgt Ion: 65 Resp: 199203

Ion Ratio Lower Upper

65 100

67 54.7 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VN059321.D (-1921) (-)

Ion 66.90 (66.60 to 67.60): VN059321.D (-1921) (-)

8.01

100000

80000

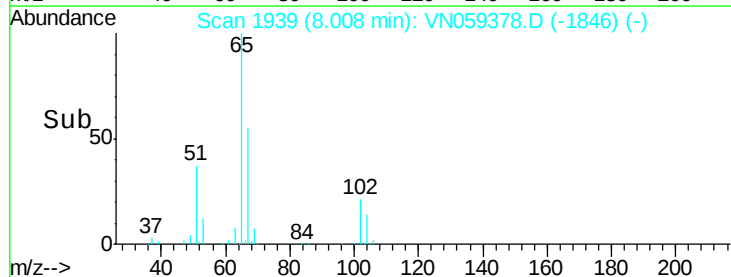
60000

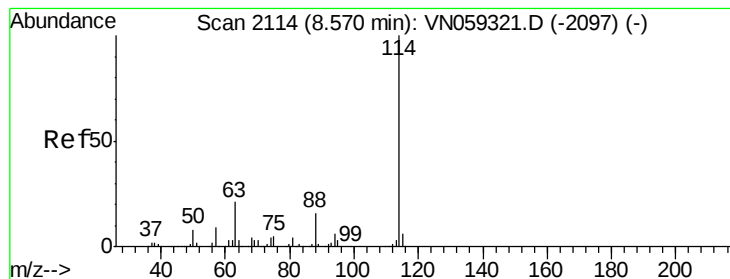
40000

20000

0

Time--> 7.90 8.00 8.10





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059378.D

Acq: 22 Nov 2019 20:10

Instrument :

MSVOA_N

ClientSampleId :

SOIL-PILE

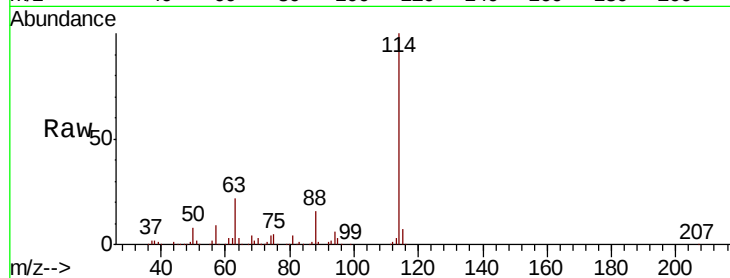
Tot Ion:114 Resp: 529219

Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.2

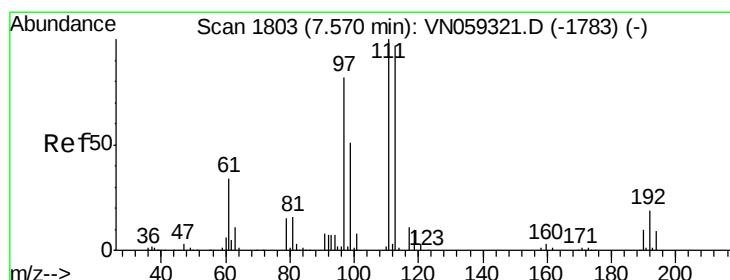
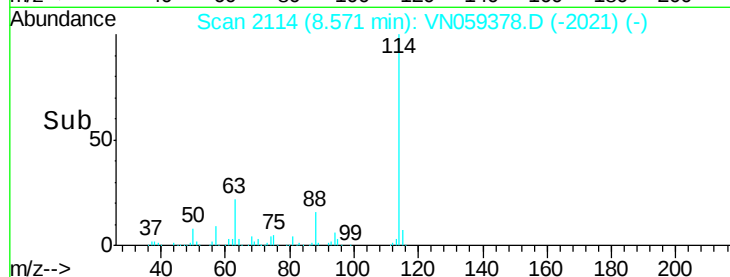
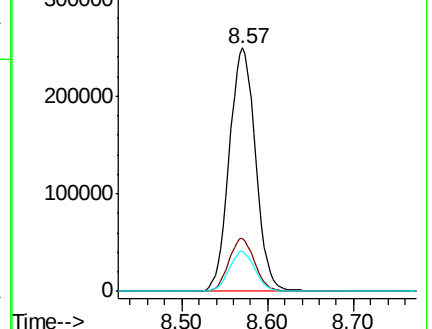
88 16.4 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.606 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059378.D

Acq: 22 Nov 2019 20:10

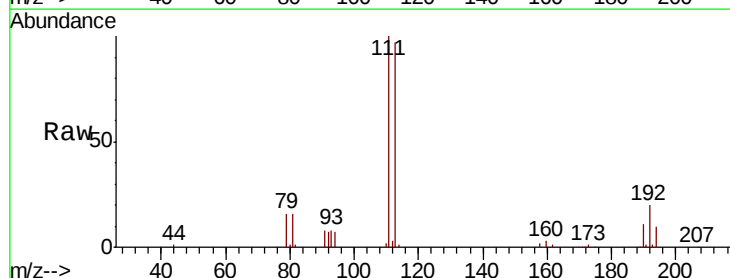
Tgt Ion:113 Resp: 160674

Ion Ratio Lower Upper

113 100

111 101.9 82.7 124.1

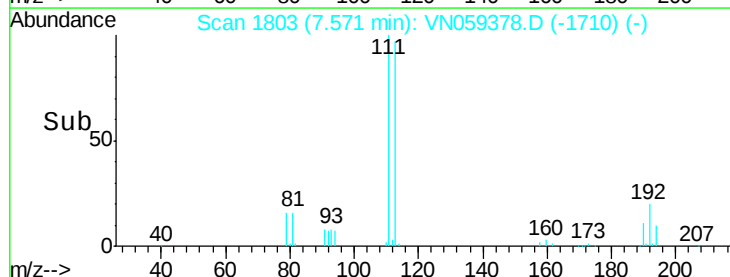
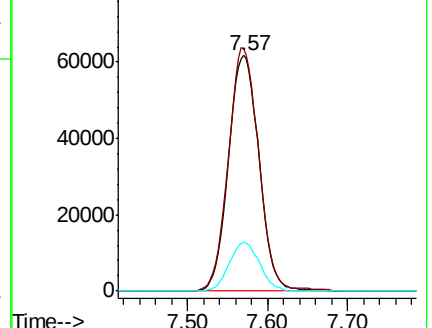
192 20.5 16.3 24.5

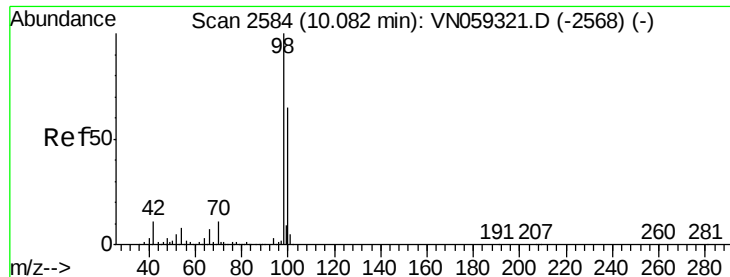


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.988 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059378.D

Acq: 22 Nov 2019 20:10

Instrument :

MSVOA_N

ClientSampleId :

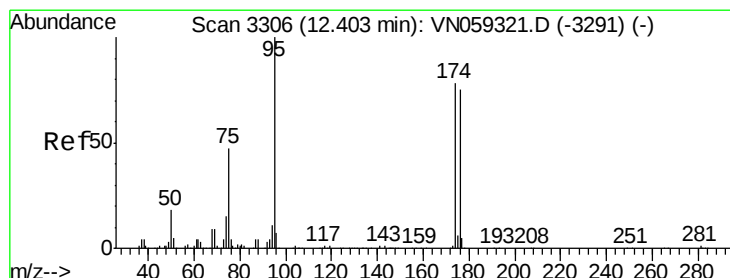
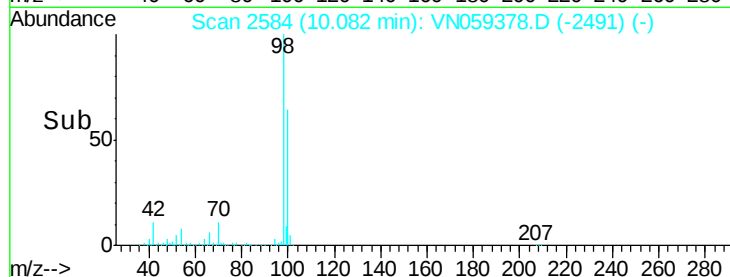
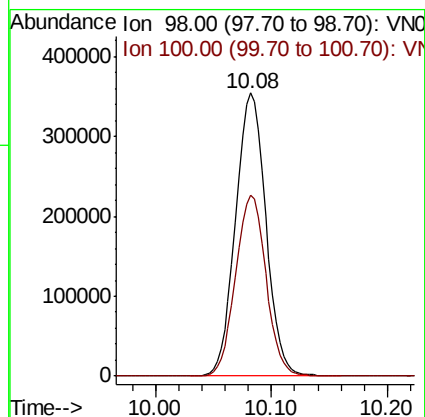
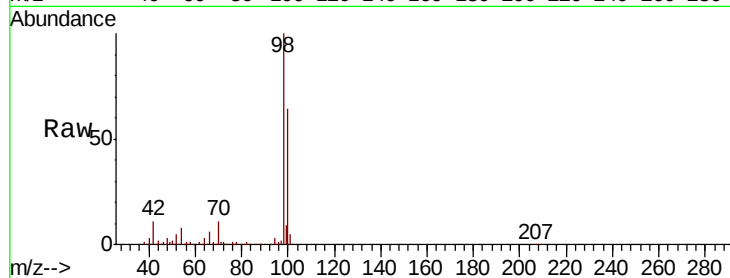
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Tot Ion: 98 Resp: 643576

Ion Ratio Lower Upper

98 100

100 64.3 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 47.550 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059378.D

Acq: 22 Nov 2019 20:10

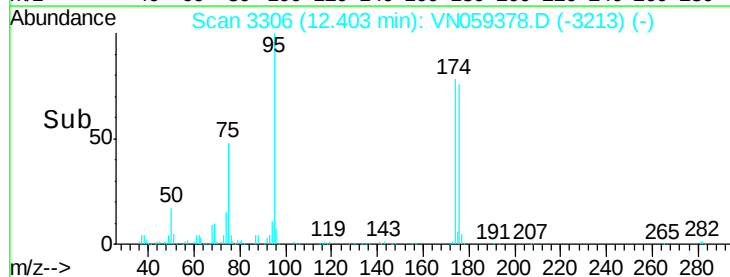
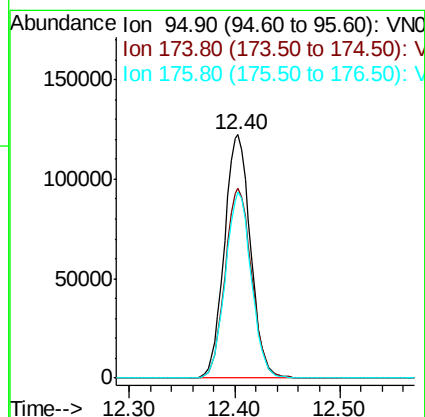
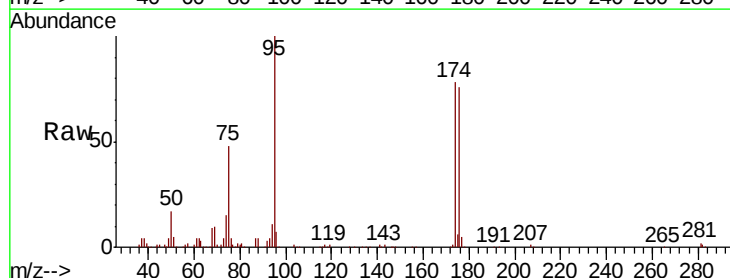
Tgt Ion: 95 Resp: 209856

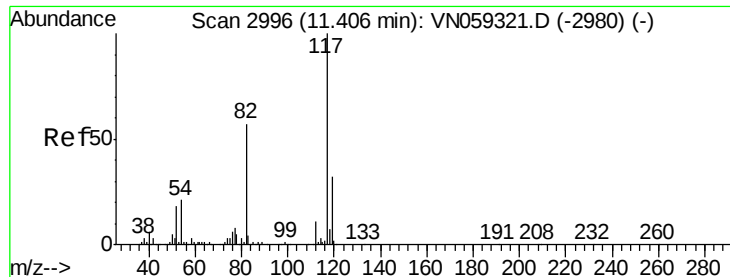
Ion Ratio Lower Upper

95 100

174 79.0 0.0 157.4

176 75.7 0.0 151.2

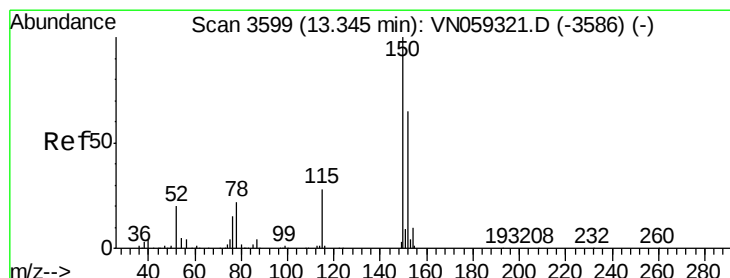
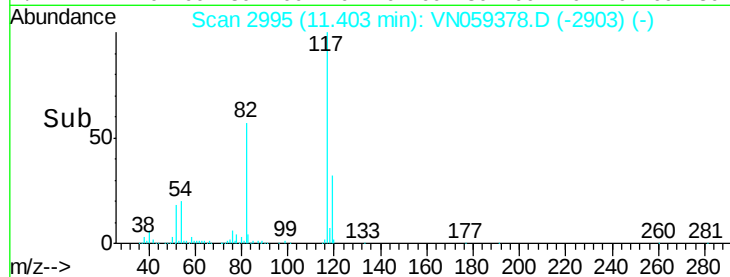
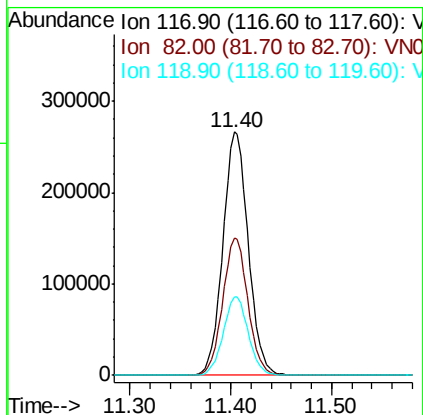
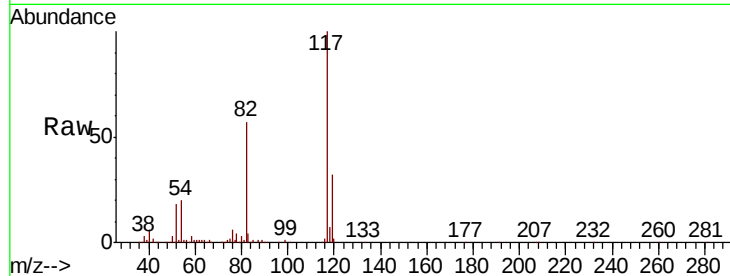




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059378.D
Acq: 22 Nov 2019 20:10

Instrument :
MSVOA_N
ClientSampleId :
SOIL-PILE

Tot Ion:117 Resp: 467245
Ion Ratio Lower Upper
117 100
82 56.6 45.7 68.5
119 32.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN059378.D
Acq: 22 Nov 2019 20:10

Tgt Ion:152 Resp: 176814
Ion Ratio Lower Upper
152 100
115 59.4 29.3 88.0
150 158.8 0.0 346.0

