

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 22:38:42 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	199203	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	
35) Dibromofluoromethane	7.57	113	160674	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
50) Toluene-d8	10.08	98	643576	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.40	95	209856	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	

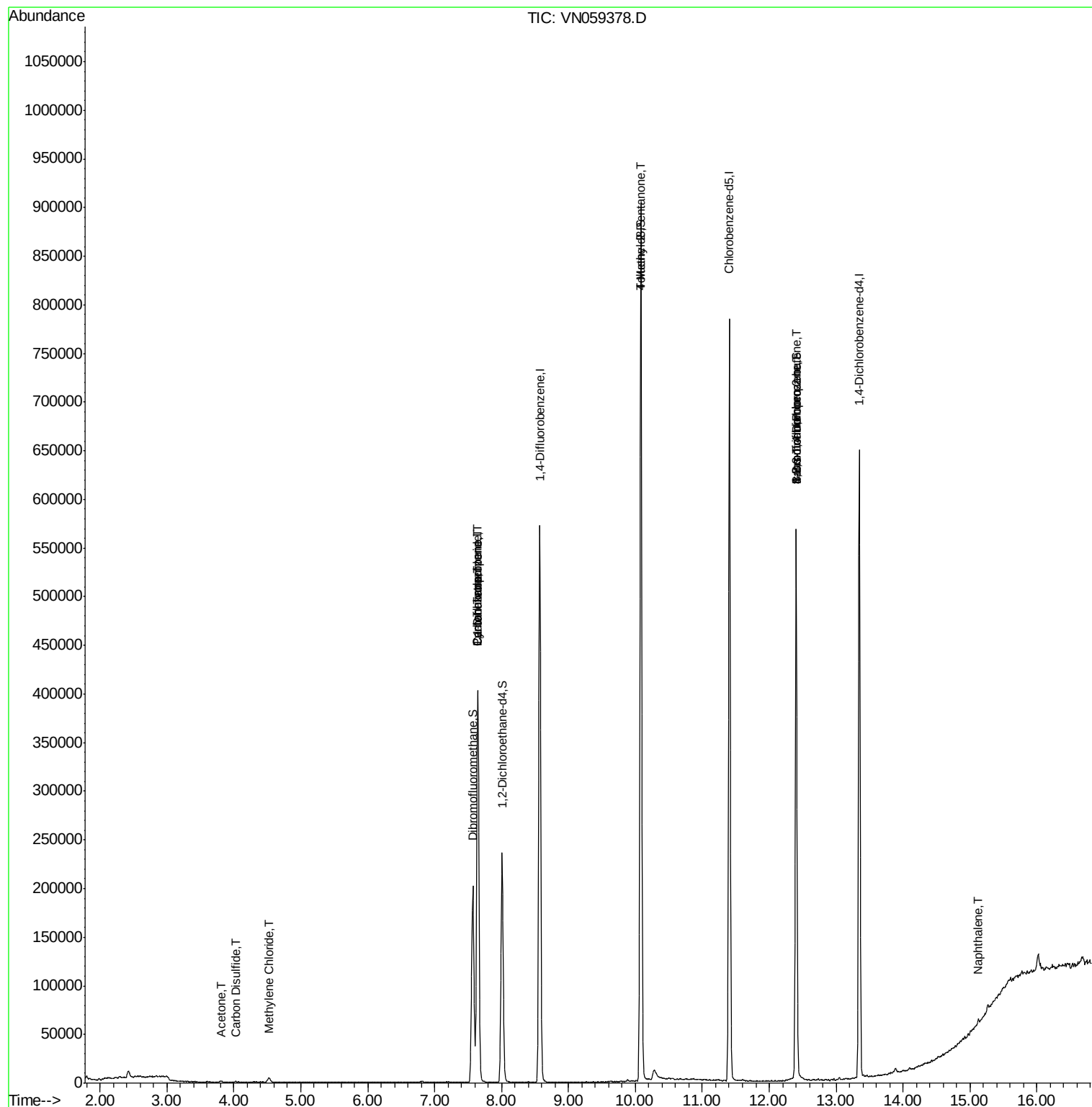
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	928	0.501	ug/l #	42
17) Carbon Disulfide	4.03	76	1398	0.260	ug/l #	75
20) Methylene Chloride	4.53	84	3916	0.937	ug/l	94
31) Cyclohexane	7.64	56	6195	0.851	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	25212	4.615	ug/l #	50
38) Carbon Tetrachloride	7.65	117	32212	6.159	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	2331	0.444	ug/l #	1
71) Bromoform	12.41	173	1019	0.369	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	101168	24.767	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	101168	61.945	ug/l #	14
95) Naphthalene	15.13	128	1891	3.338	ug/l #	84

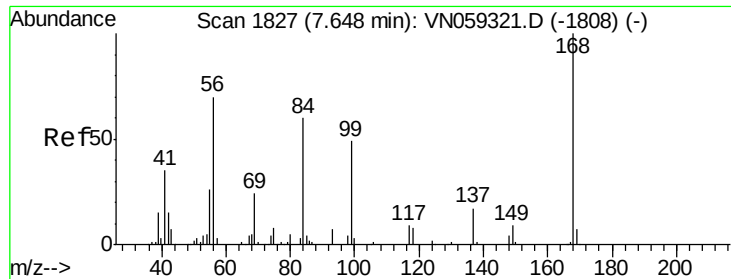
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112219\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#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 :

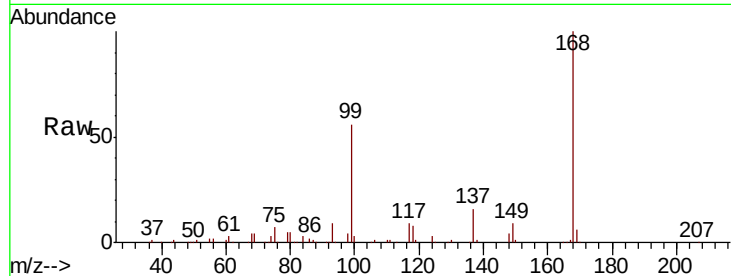
SOIL-PILE

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

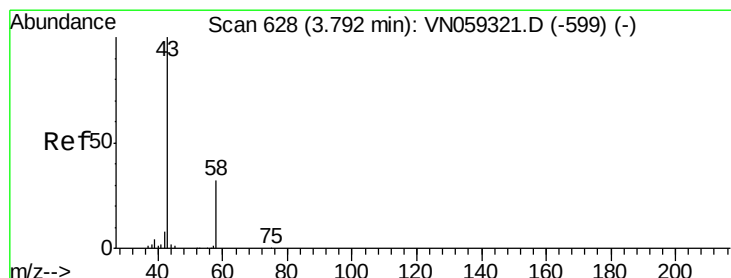
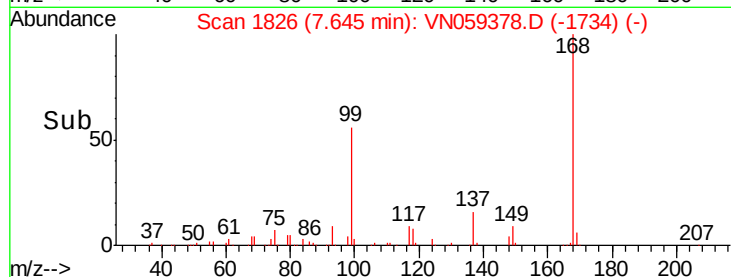
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 0.501 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN059378.D

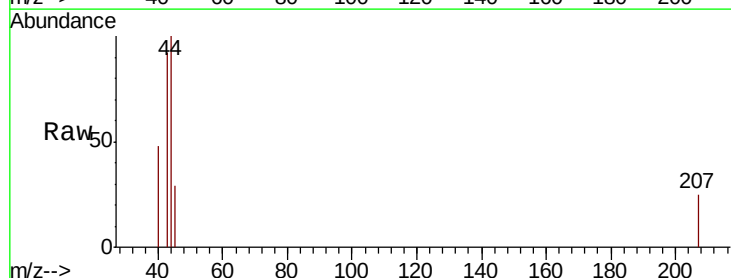
Acq: 22 Nov 2019 20:10

Tgt Ion: 43 Resp: 928

Ion Ratio Lower Upper

43 100

58 0.0 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VN059321.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN059321.D (-599) (-)

3.80

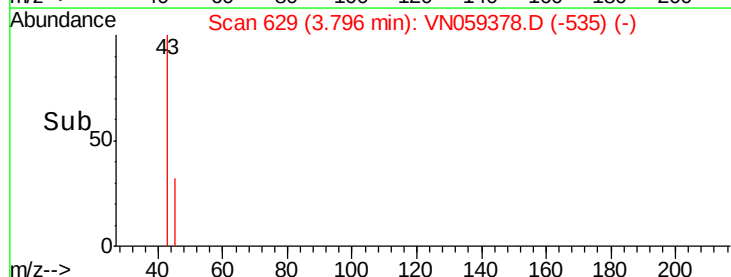
600

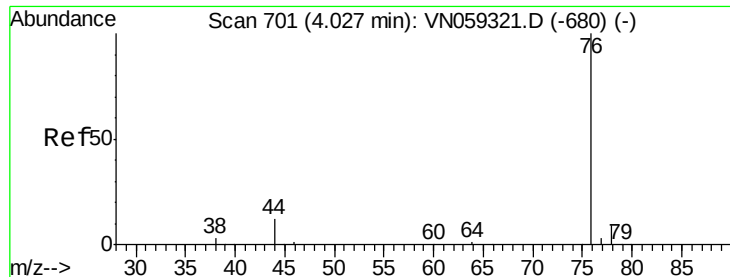
400

200

0

Time--> 3.74 3.76 3.78 3.80





#17

Carbon Disulfide

Concen: 0.260 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059378.D

Acq: 22 Nov 2019 20:10

Instrument :

MSVOA_N

ClientSampleId :

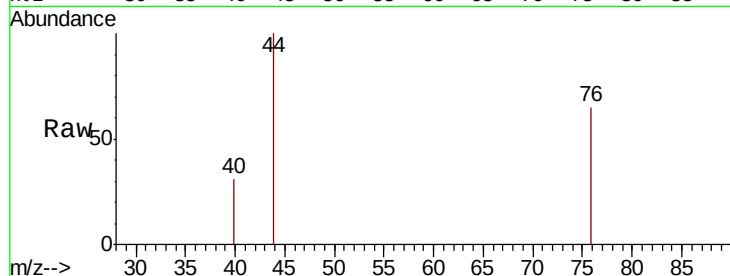
SOIL-PILE

Tot Ion: 76 Resp: 1398

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.03

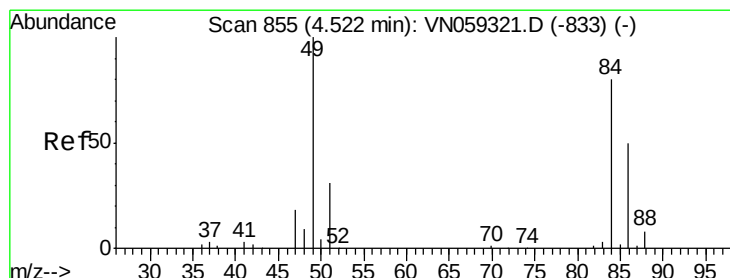
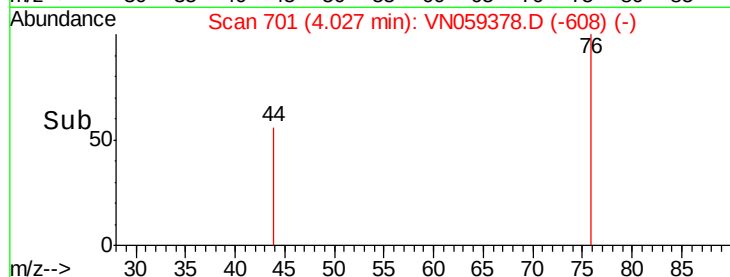
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 0.937 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.01 min

Lab File: VN059378.D

Acq: 22 Nov 2019 20:10

Tgt Ion: 84 Resp: 3916

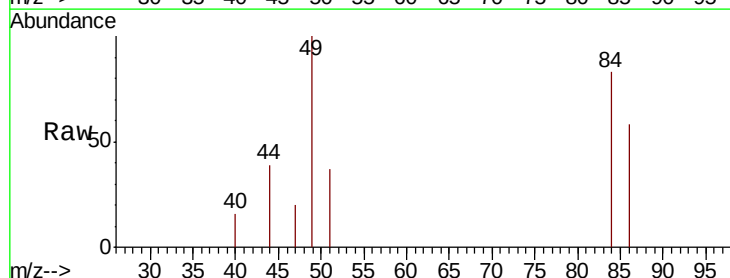
Ion Ratio Lower Upper

84 100

49 119.8 99.5 149.3

51 44.6 31.1 46.7

86 69.5 49.9 74.9



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

2000

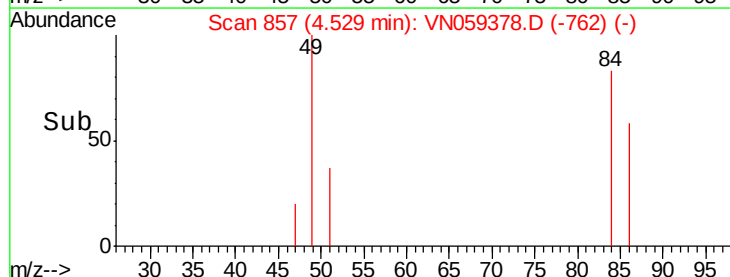
1500

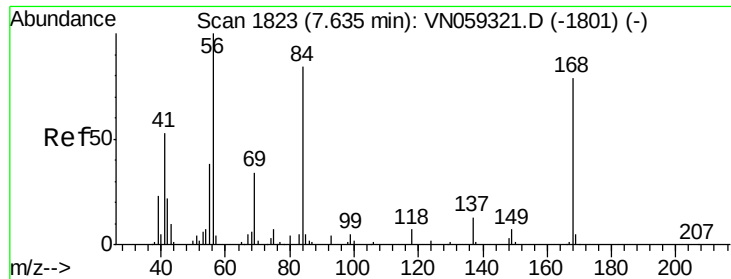
1000

500

0

Time-->

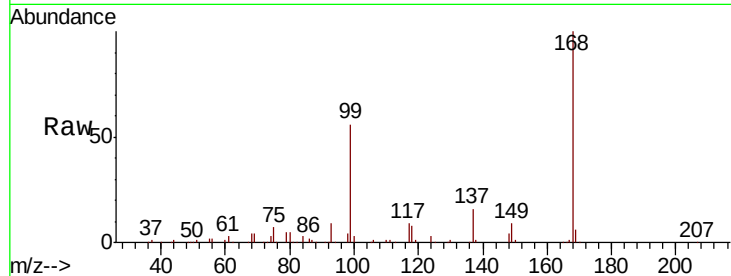




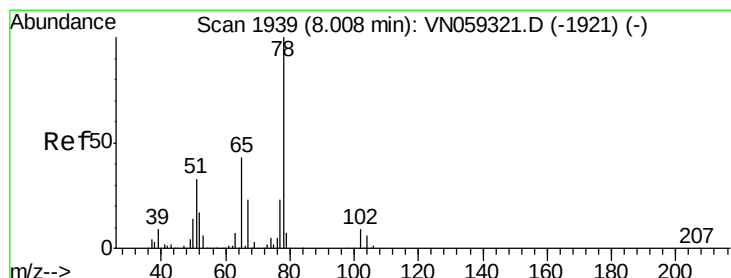
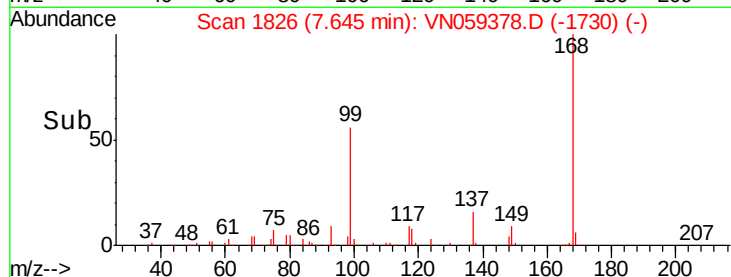
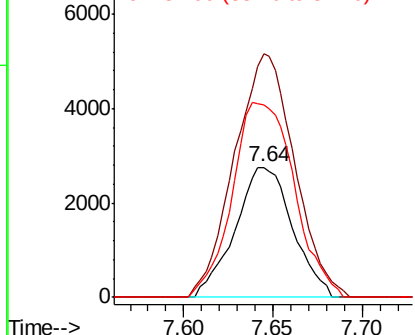
#31
Cyclohexane
Concen: 0.851 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059378.D
Acq: 22 Nov 2019 20:10

Instrument :
MSVOA_N
ClientSampled :
SOIL-PILE

Tot Ion: 56 Resp: 6195
Ion Ratio Lower Upper
56 100
69 186.9 26.6 40.0#
84 148.1 67.0 100.4#

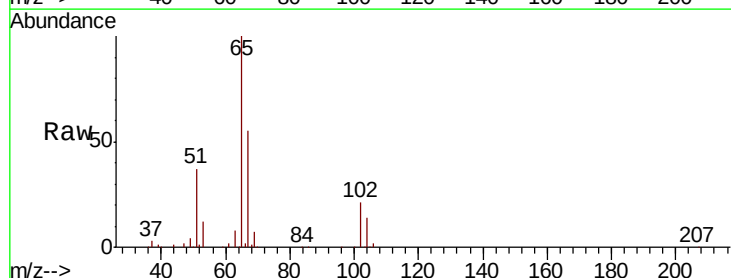


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

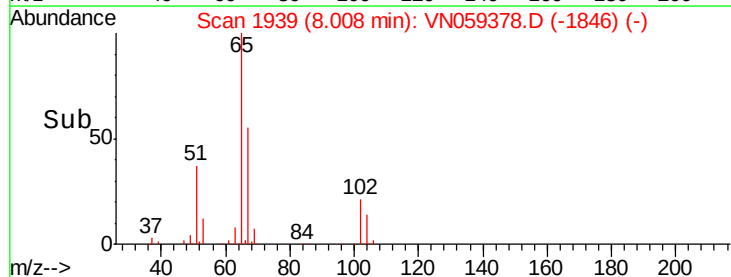
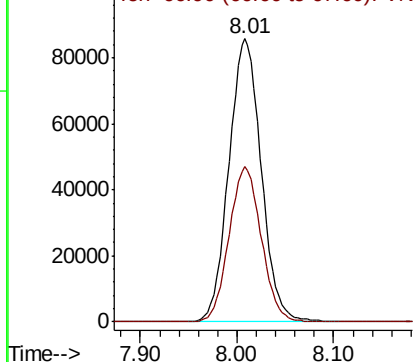


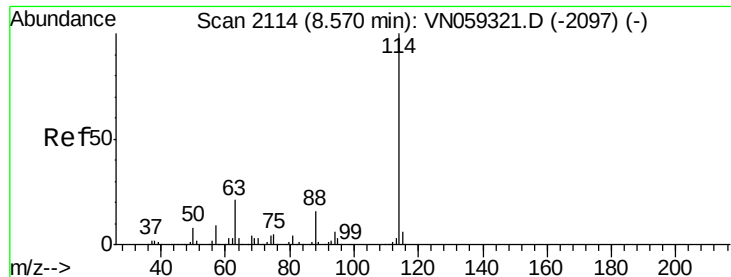
#33
1,2-Dichloroethane-d4
Concen: 48.211 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. 0.00 min
Lab File: VN059378.D
Acq: 22 Nov 2019 20:10

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): VNC
Ion 66.90 (66.60 to 67.60): VNC

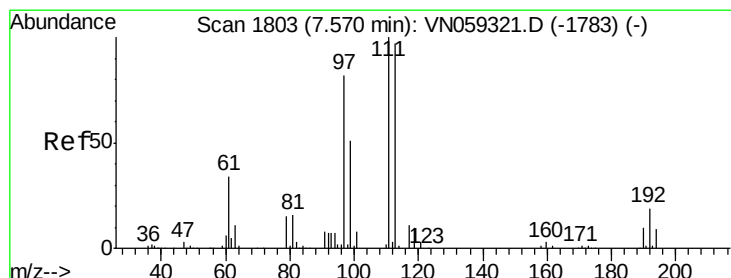
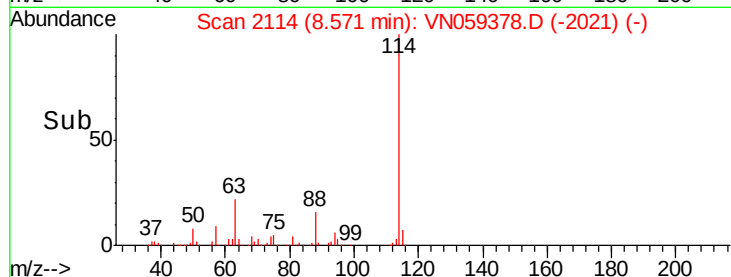
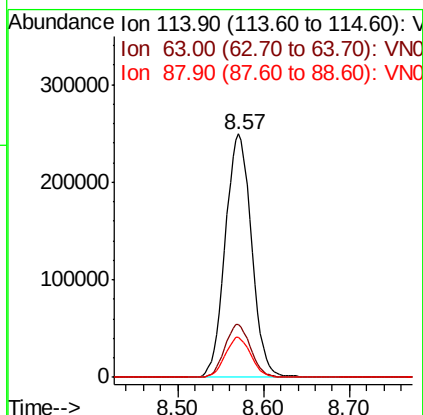
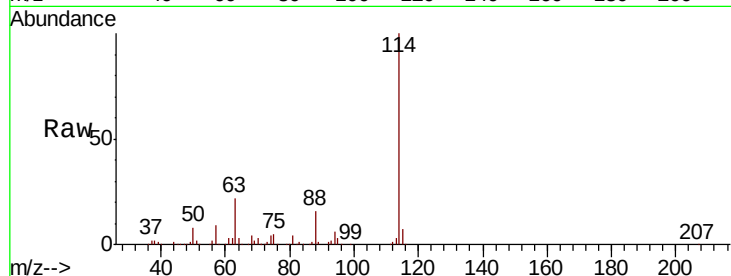




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059378.D
 Acq: 22 Nov 2019 20:10

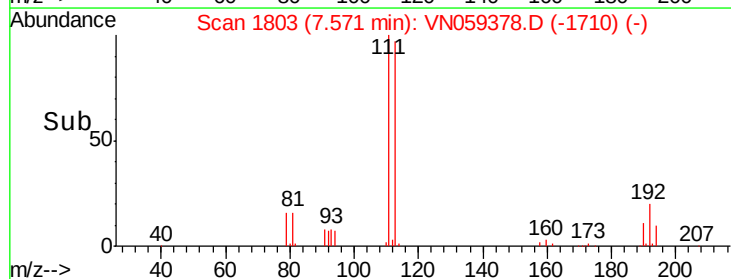
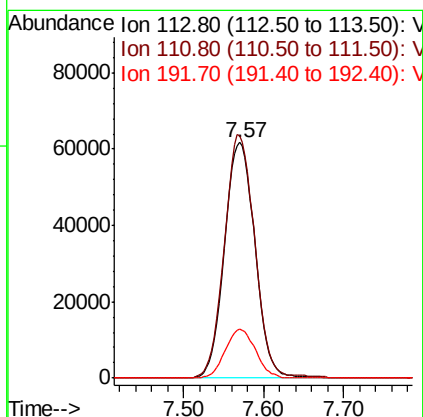
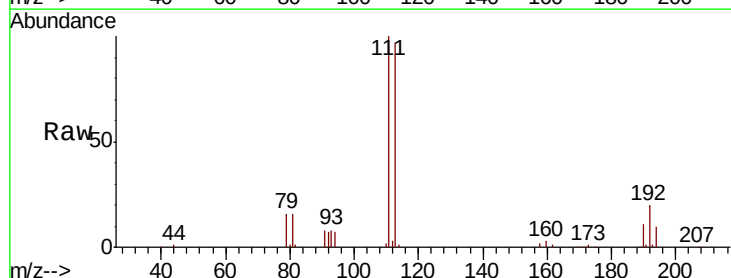
Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-PILE

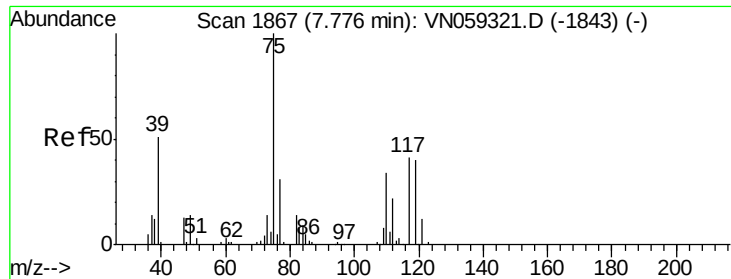
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	42.2
88	16.4	0.0	32.2



#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	Ratio	Lower	Upper
113	100		
111	101.9	82.7	124.1
192	20.5	16.3	24.5

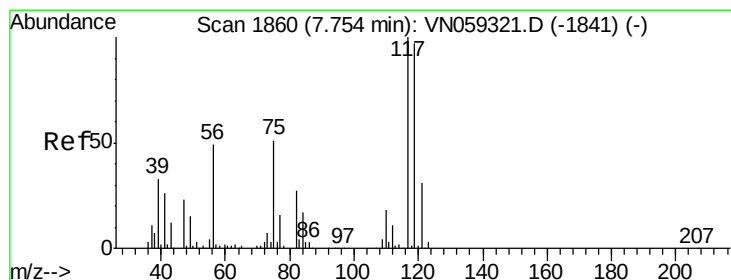
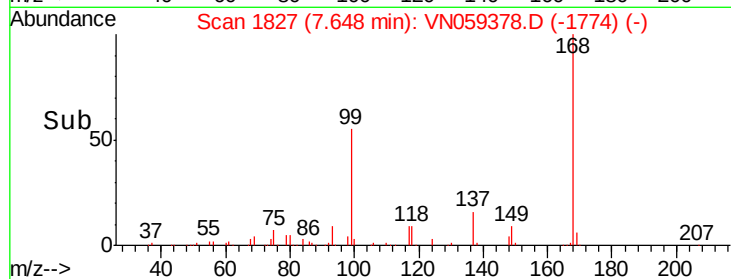
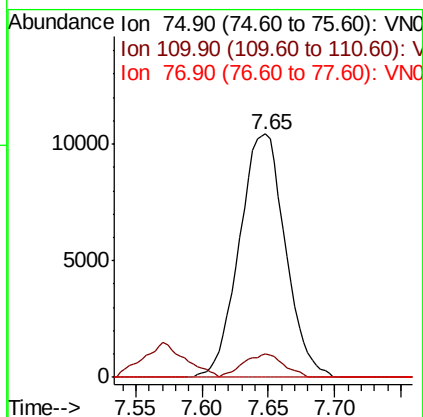
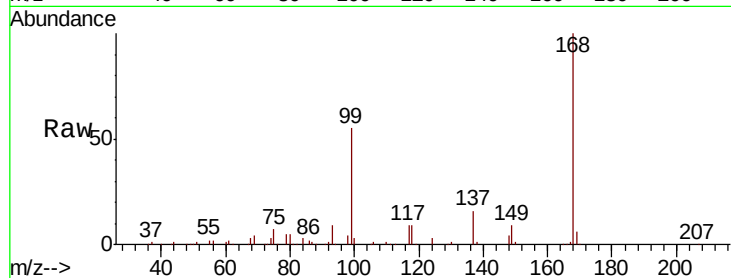




#36
 1,1-Dichloropropene
 Concen: 4.615 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN059378.D
 Acq: 22 Nov 2019 20:10

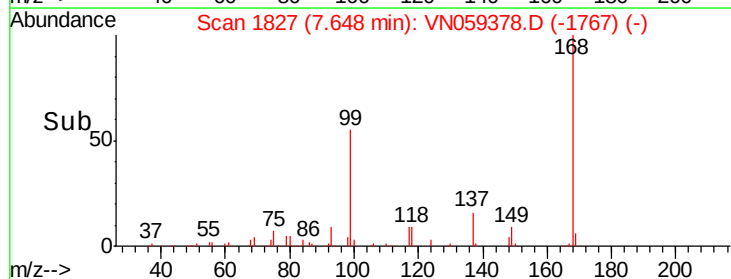
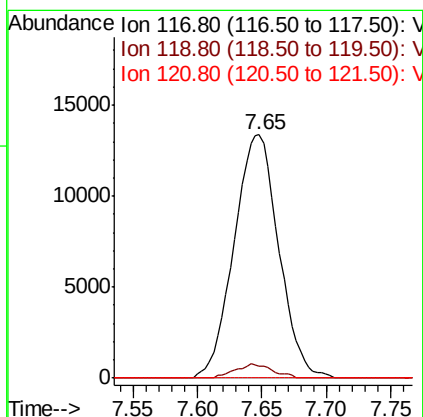
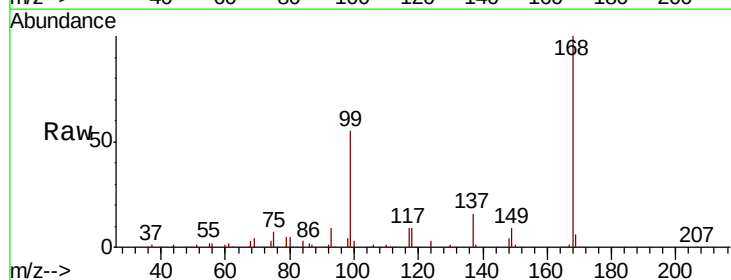
Instrument :
 MSVOA_N
 ClientSampled :
 SOIL-PILE

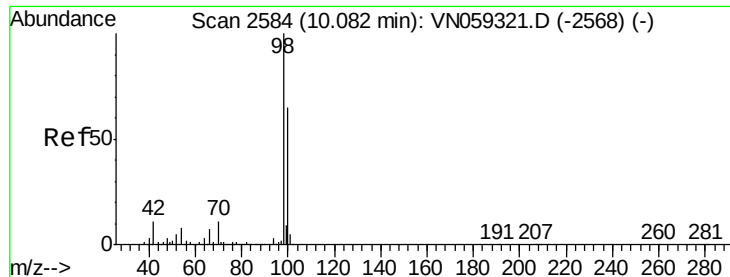
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.0	51.0#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.159 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN059378.D
 Acq: 22 Nov 2019 20:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	77.0	115.4#
121	0.0	24.4	36.6#





#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 :

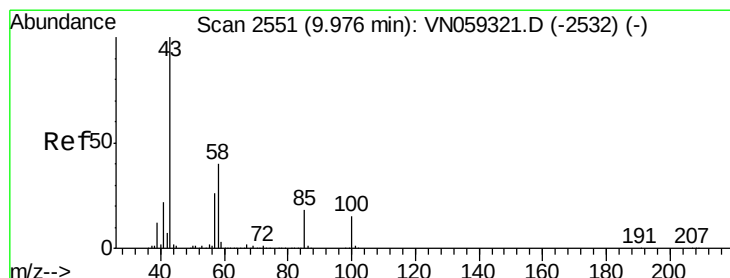
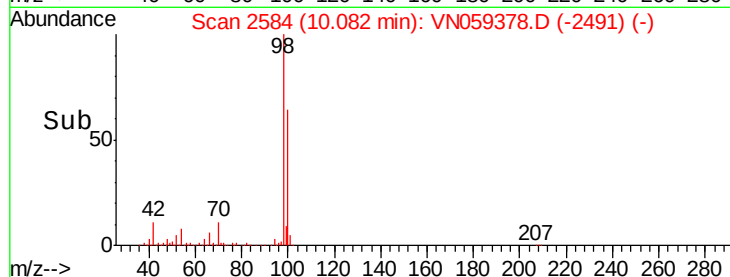
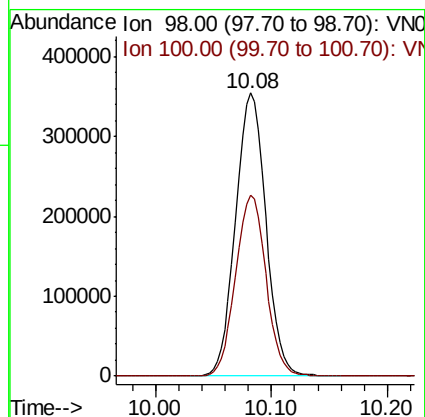
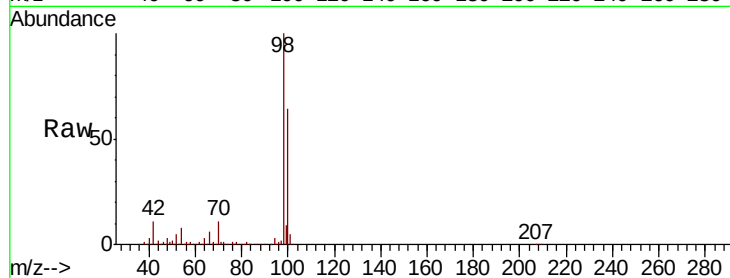
SOIL-PILE

Tot Ion: 98 Resp: 643576

Ion Ratio Lower Upper

98 100

100 64.3 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 0.444 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.10 min

Lab File: VN059378.D

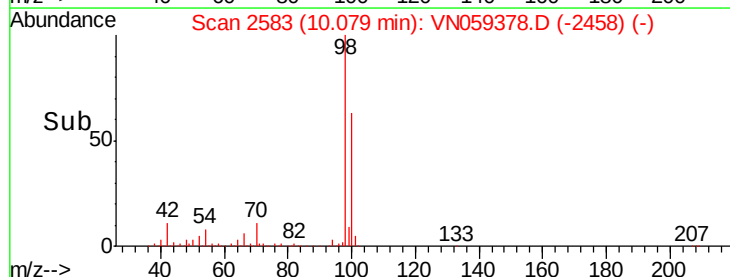
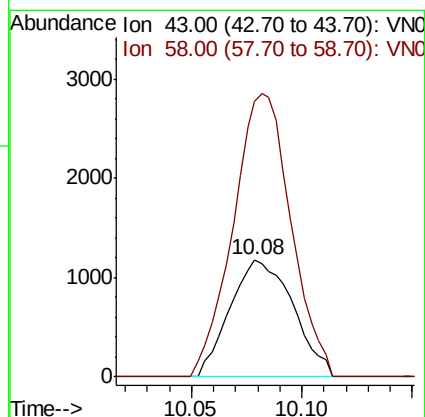
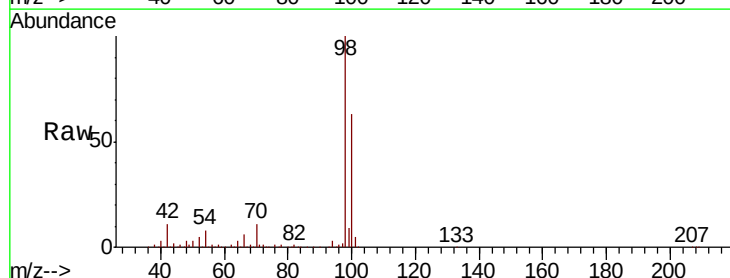
Acq: 22 Nov 2019 20:10

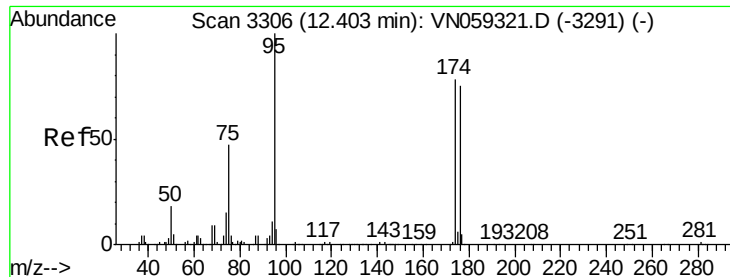
Tgt Ion: 43 Resp: 2331

Ion Ratio Lower Upper

43 100

58 221.9 31.8 47.8#

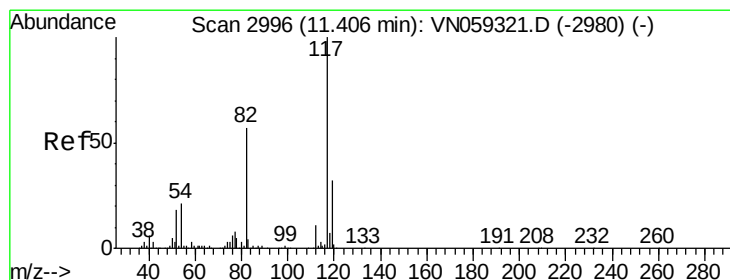
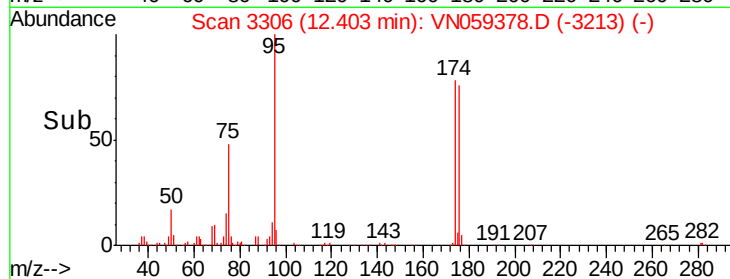
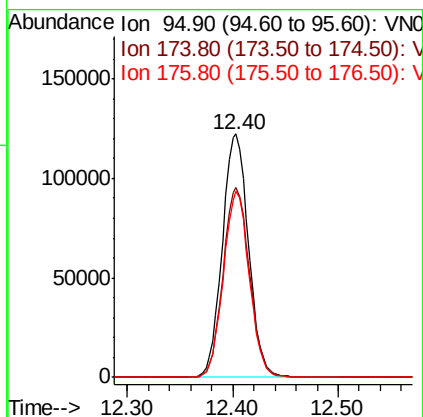
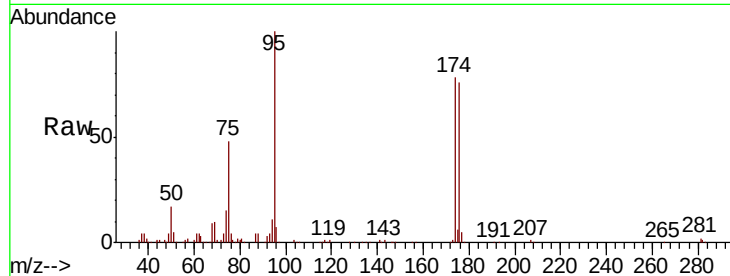




#62
4-Bromofluorobenzene
Concen: 47.550 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN059378.D
Acq: 22 Nov 2019 20:10

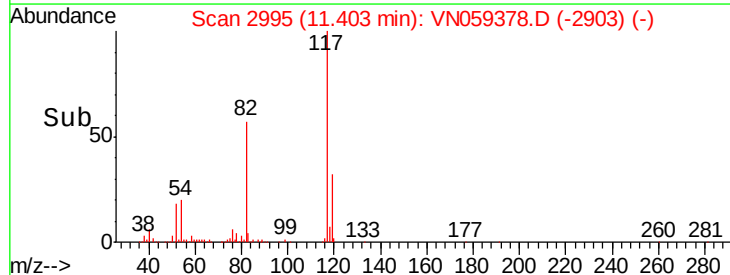
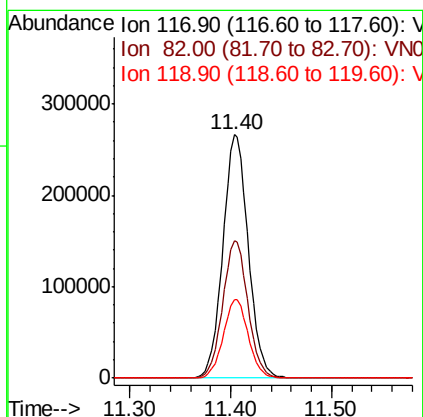
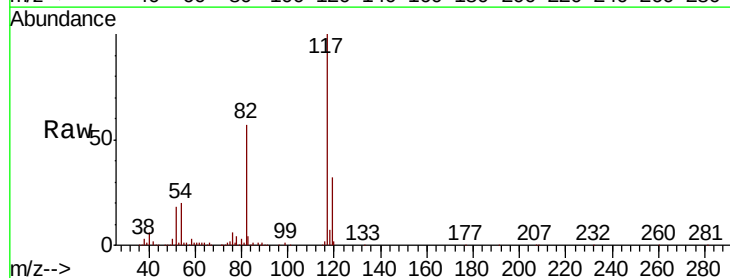
Instrument :
MSVOA_N
ClientSampleId :
SOIL-PILE

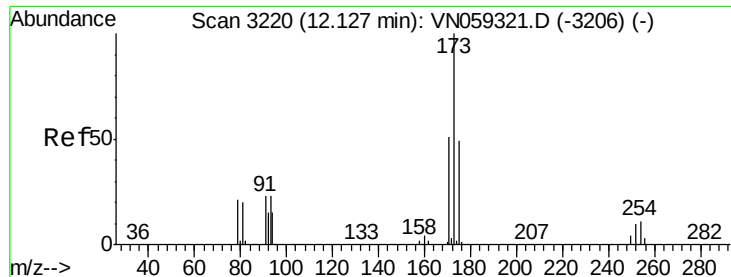
Tot Ion	Ratio	Lower	Upper
95	100		
174	79.0	0.0	157.4
176	75.7	0.0	151.2



#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

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.7	68.5
119	32.5	25.8	38.6





#71

Bromoform

Concen: 0.369 ug/l

RT: 12.41 min Scan# 3308

Delta R.T. 0.28 min

Lab File: VN059378.D

Acq: 22 Nov 2019 20:10

Instrument :

MSVOA_N

ClientSampleId :

SOIL-PILE

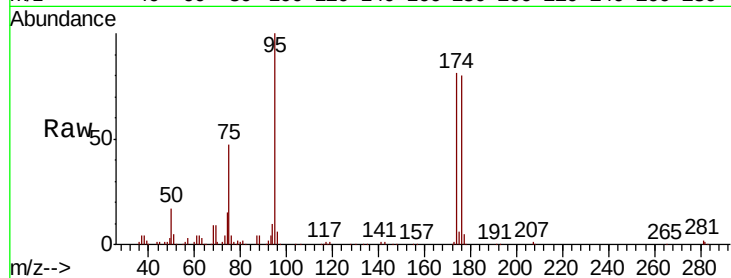
Tot Ion:173 Resp: 1019

Ion Ratio Lower Upper

173 100

175 1005.4 24.6 73.6#

254 0.0 0.1 0.1#

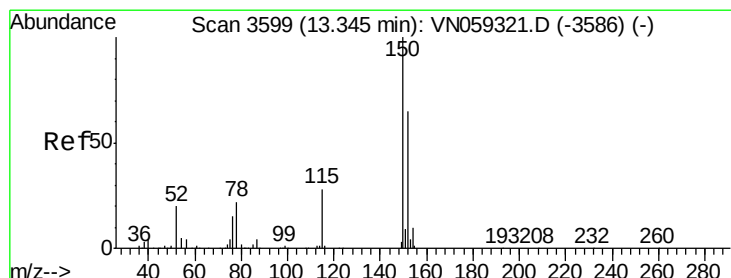
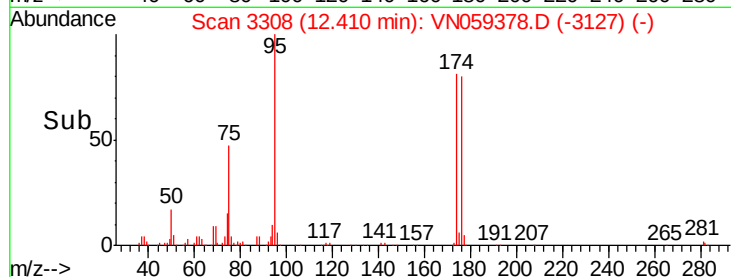
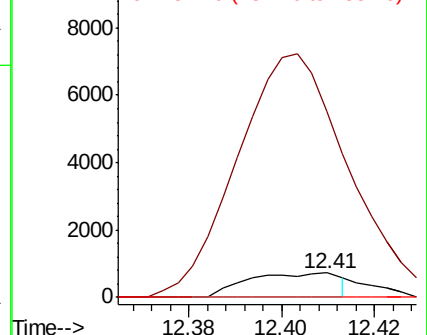


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#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

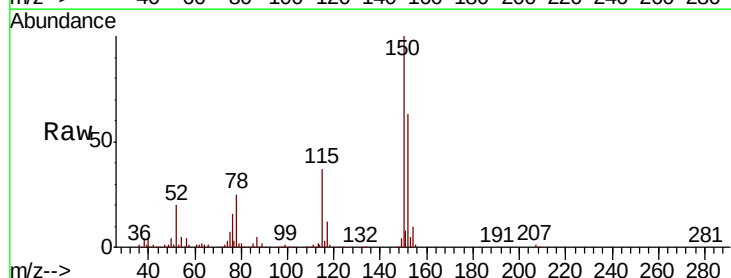
Tgt Ion:152 Resp: 176814

Ion Ratio Lower Upper

152 100

115 59.4 29.3 88.0

150 158.8 0.0 346.0

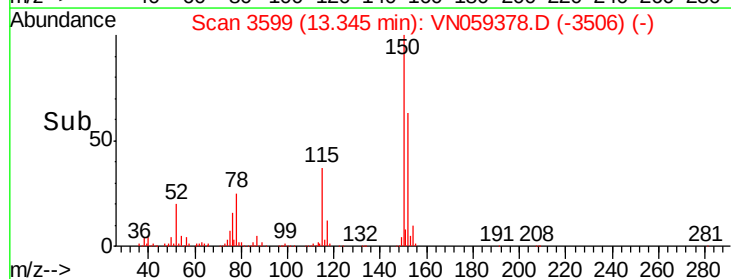
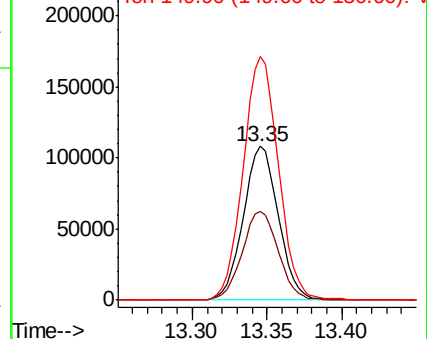


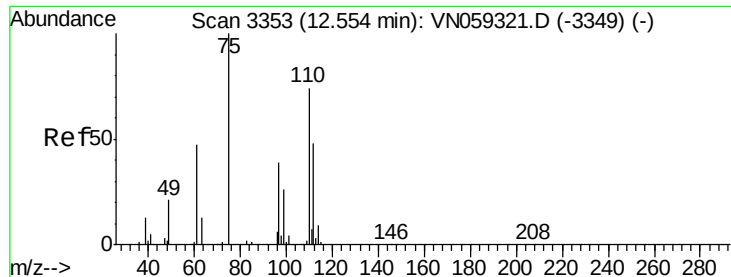
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.767 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059378.D

Acq: 22 Nov 2019 20:10

Instrument :

MSVOA_N

ClientSampleId :

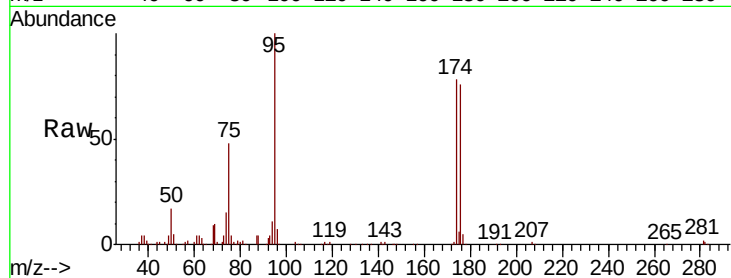
SOIL-PILE

Tot Ion: 75 Resp: 101168

Ion Ratio Lower Upper

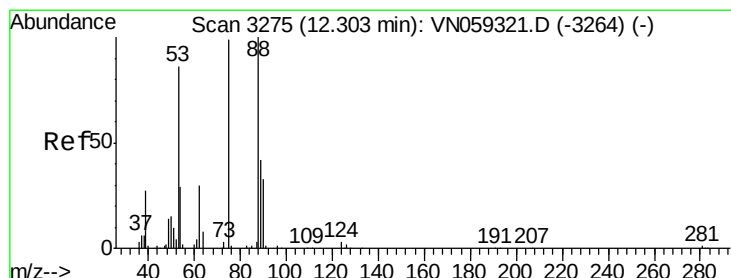
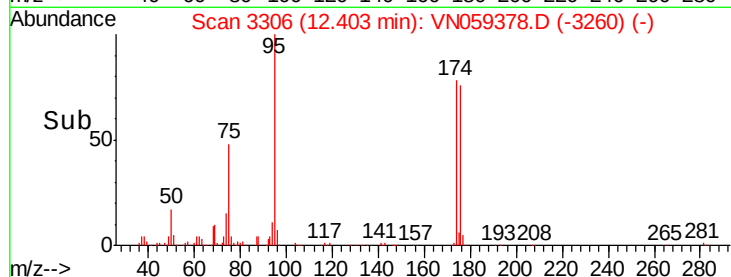
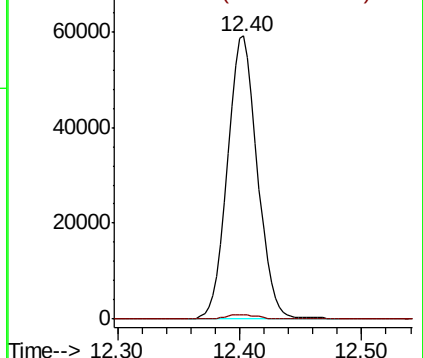
75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 61.945 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059378.D

Acq: 22 Nov 2019 20:10

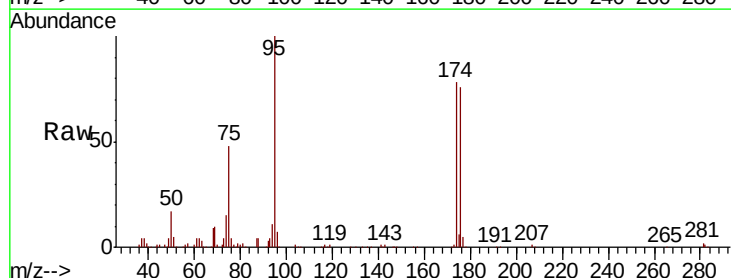
Tgt Ion: 75 Resp: 101168

Ion Ratio Lower Upper

75 100

53 0.0 70.7 106.1#

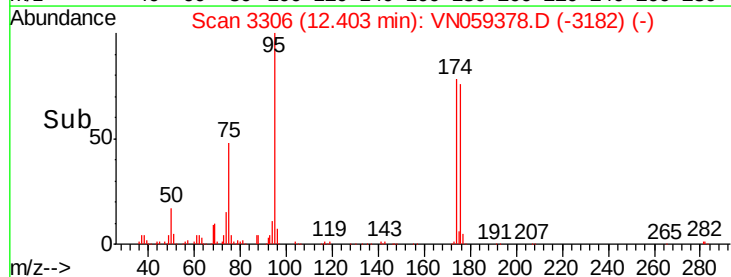
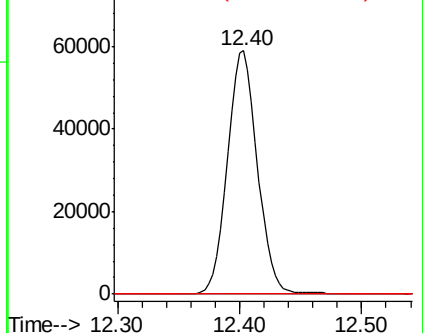
89 0.0 35.4 53.0#

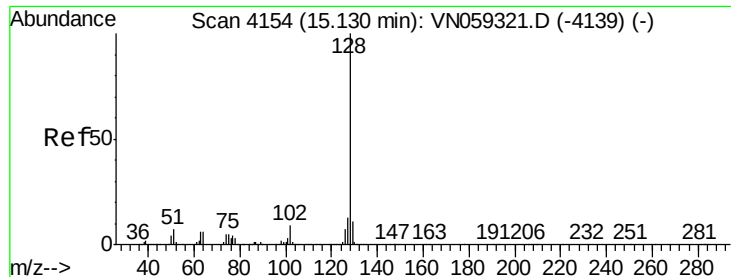


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95

Naphthalene

Concen: 3.338 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059378.D

Acq: 22 Nov 2019 20:10

Instrument :

MSVOA_N

ClientSampleId :

SOIL-PILE

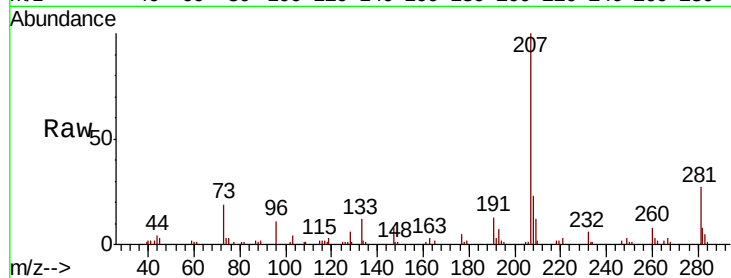
Tot Ion:128 Resp: 1891

Ion Ratio Lower Upper

128 100

127 7.5 10.2 15.2#

129 3.8 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

