

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056750.D
 Acq On : 16 Jul 2019 6:46
 Operator : JC/SP
 Sample : K3761-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-DRUM

Quant Time: Jul 16 08:59:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	266272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	473119	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	514590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	231165	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	154564	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
35) Dibromofluoromethane	7.59	113	142311	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
50) Toluene-d8	10.09	98	606846	53.36	ug/l	0.00
Spiked Amount			Recovery	=	106.72%	
62) 4-Bromofluorobenzene	12.40	95	235871	61.51	ug/l	0.00
Spiked Amount			Recovery	=	123.02%	

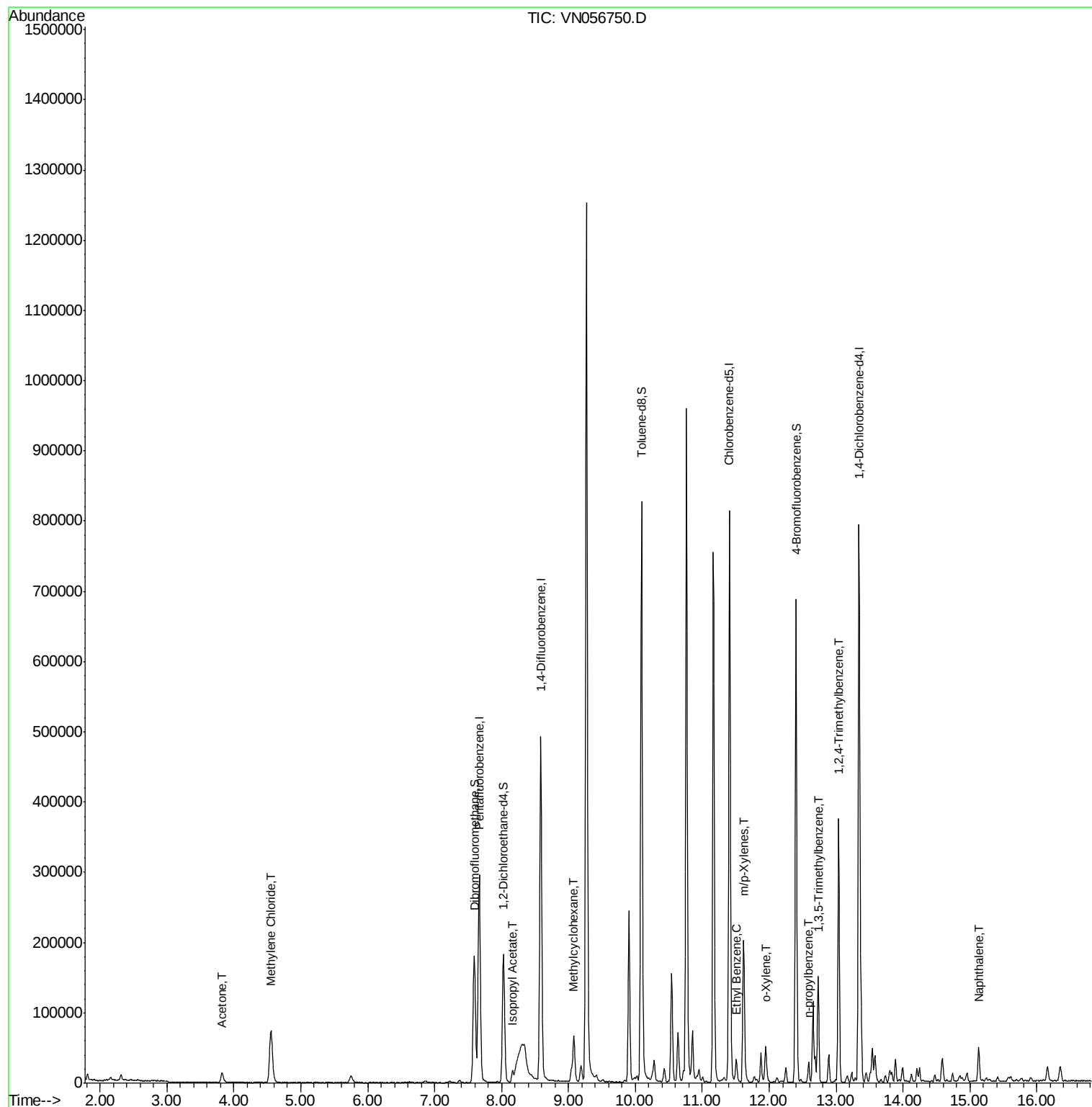
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	25402	18.715	ug/l	97
20) Methylene Chloride	4.55	84	59435	20.038	ug/l	98
39) Methylcyclohexane	9.08	83	27216	5.035	ug/l	97
43) Isopropyl Acetate	8.17	43	18966	2.796	ug/l #	89
67) Ethyl Benzene	11.51	91	21890	1.184	ug/l	100
68) m/p-Xylenes	11.62	106	67363	9.748	ug/l	98
69) o-Xylene	11.95	106	14083	2.073	ug/l	98
78) n-propylbenzene	12.59	91	23438	1.133	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	84683	5.361	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	220021	14.257	ug/l	100
95) Naphthalene	15.13	128	46178	7.917	ug/l	99

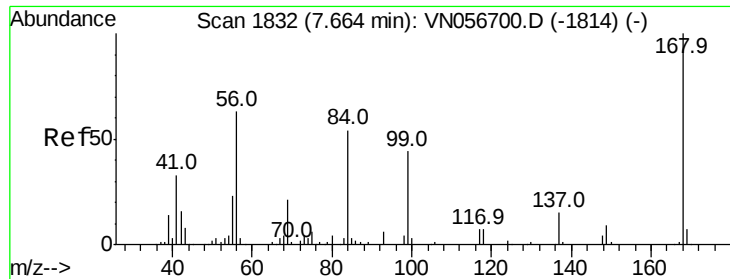
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 16 07:03:34 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056750.D

Acq: 16 Jul 2019 6:46

Instrument :

MSVOA_N

ClientSampleId :

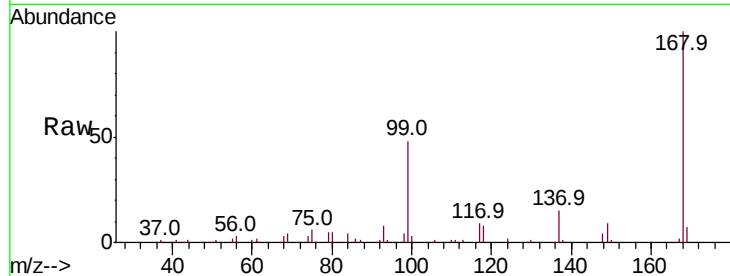
SOIL-DRUM

Tot Ion:168 Resp: 266272

Ion Ratio Lower Upper

168 100

99 48.3 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN056750.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN056750.D (-1739) (-)

7.67

120000

100000

80000

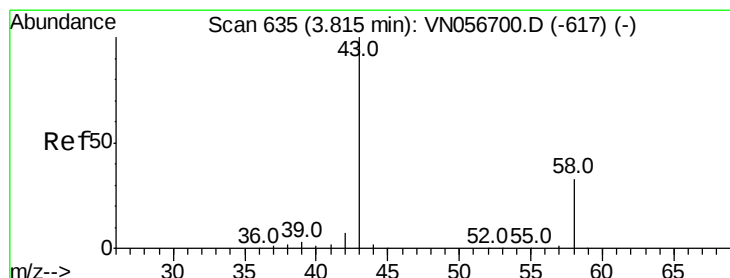
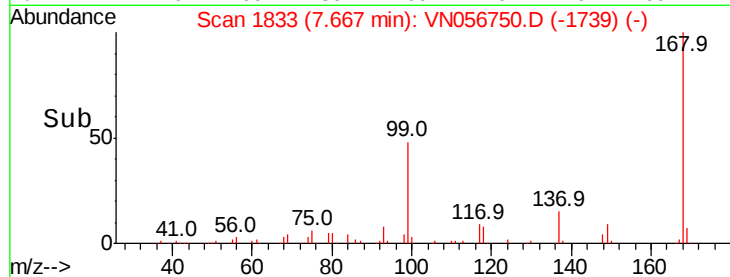
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 18.715 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056750.D

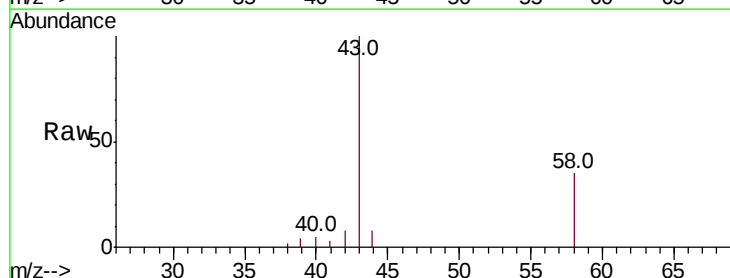
Acq: 16 Jul 2019 6:46

Tgt Ion: 43 Resp: 25402

Ion Ratio Lower Upper

43 100

58 35.3 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN056750.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN056750.D (-542) (-)

3.82

10000

8000

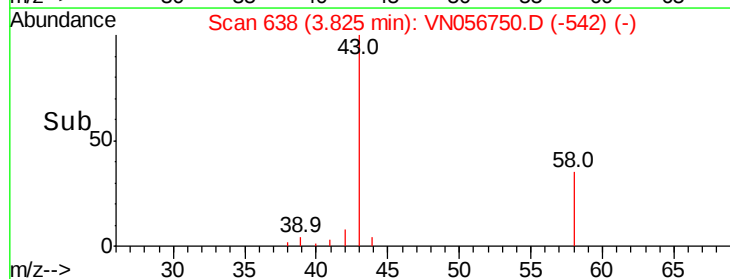
6000

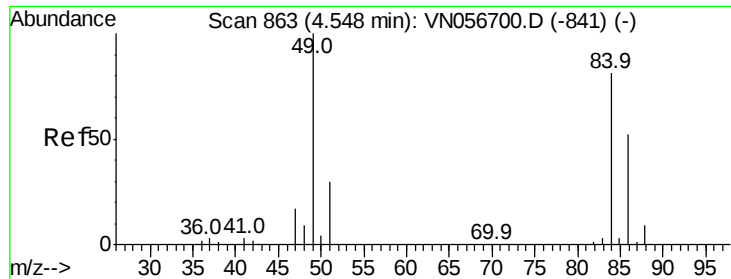
4000

2000

0

Time-->

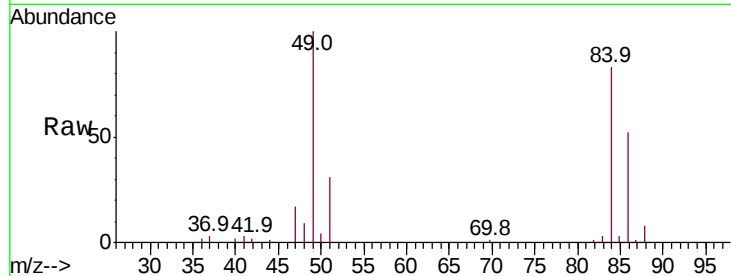




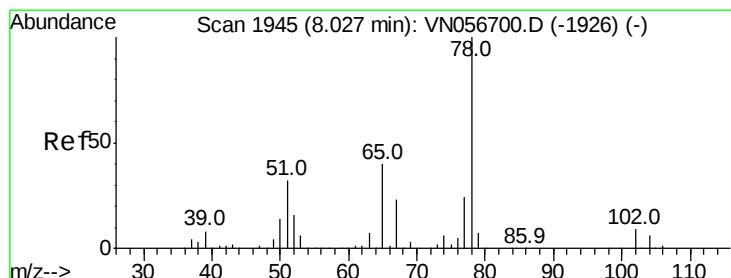
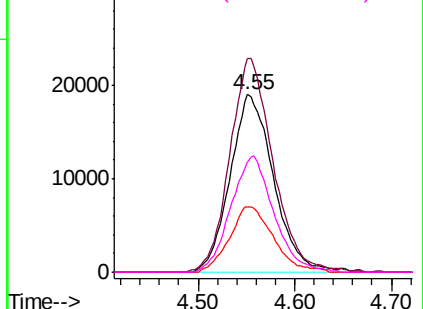
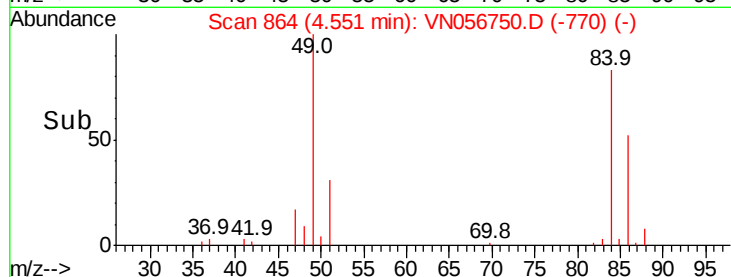
#20
Methvlene Chloride
Concen: 20.038 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

Instrument :
MSVOA_N
ClientSampleId :
SOIL-DRUM

Tot Ion: 84 Resp: 59435
Ion Ratio Lower Upper
84 100
49 119.4 98.2 147.4
51 37.1 29.6 44.4
86 61.9 51.0 76.4

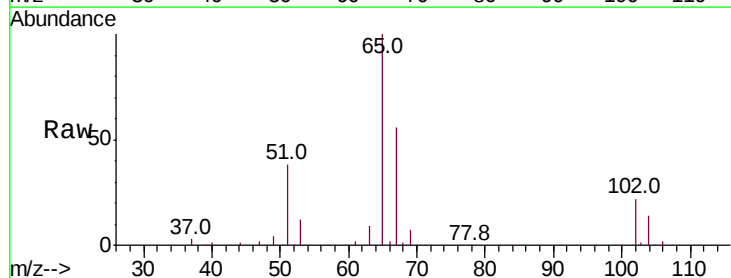


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

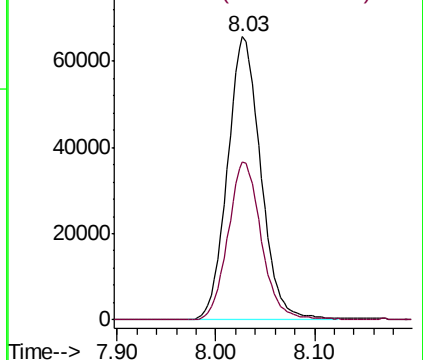
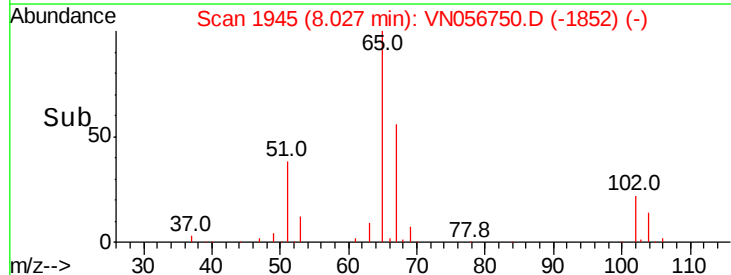


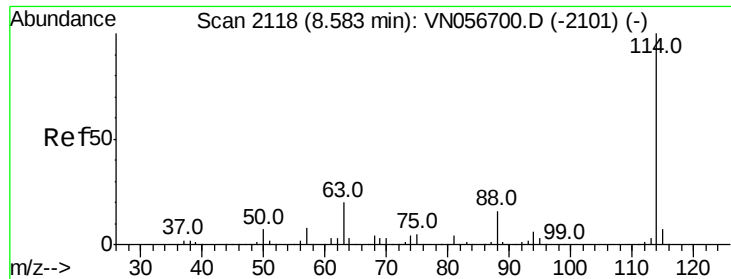
#33
1,2-Dichloroethane-d4
Concen: 52.478 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

Tgt Ion: 65 Resp: 154564
Ion Ratio Lower Upper
65 100
67 55.9 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VNO
Ion 66.90 (66.60 to 67.60): VNO

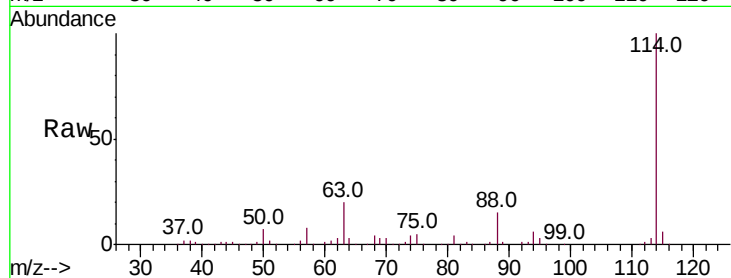




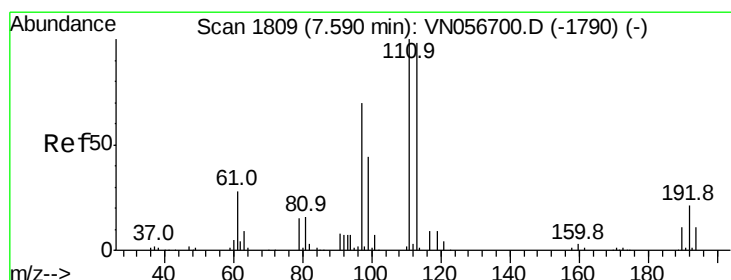
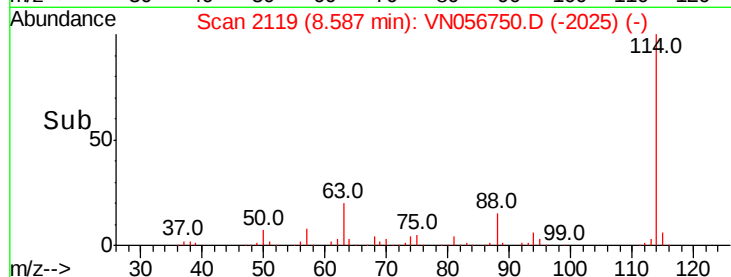
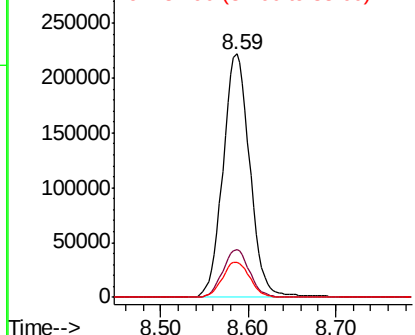
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056750.D
 Acq: 16 Jul 2019 6:46

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-DRUM

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.4
88	14.6	0.0	31.2

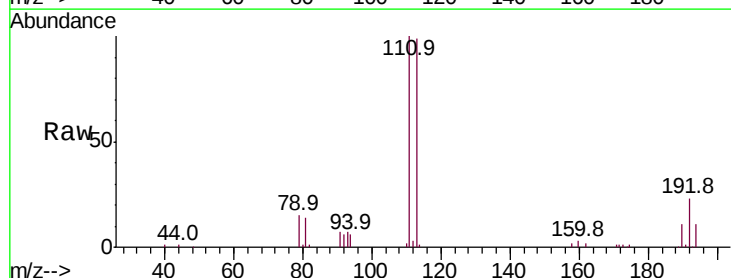


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

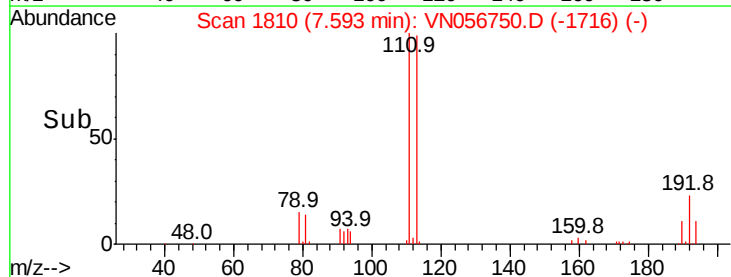
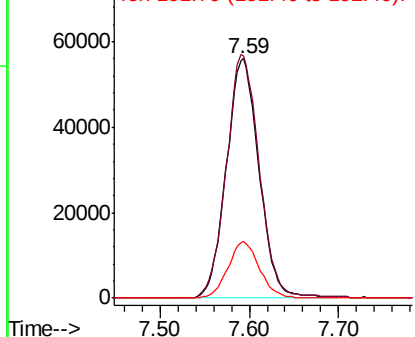


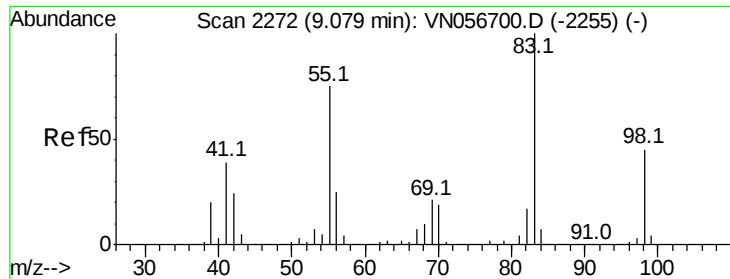
#35
 Dibromofluoromethane
 Concen: 48.334 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN056750.D
 Acq: 16 Jul 2019 6:46

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	22.7	17.5	26.3



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

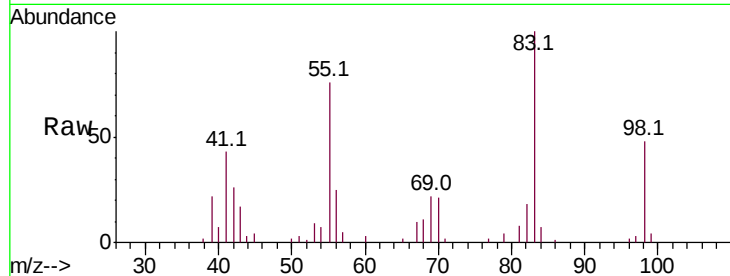




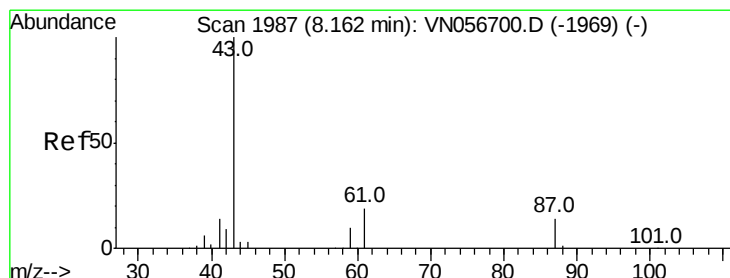
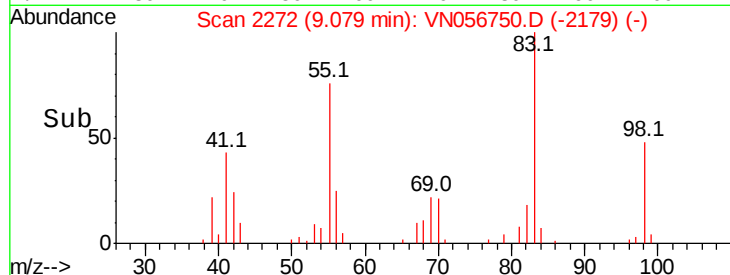
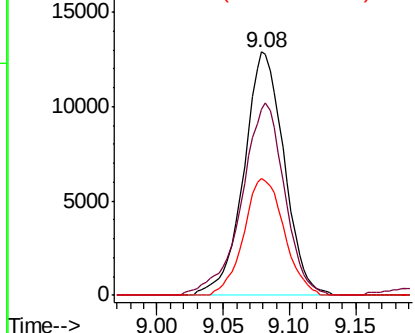
#39
Methvlcvclohexane
Concen: 5.035 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

Instrument :
MSVOA_N
ClientSampleId :
SOIL-DRUM

Tot Ion: 83 Resp: 27216
Ion Ratio Lower Upper
83 100
55 76.4 60.4 90.6
98 48.1 35.8 53.8

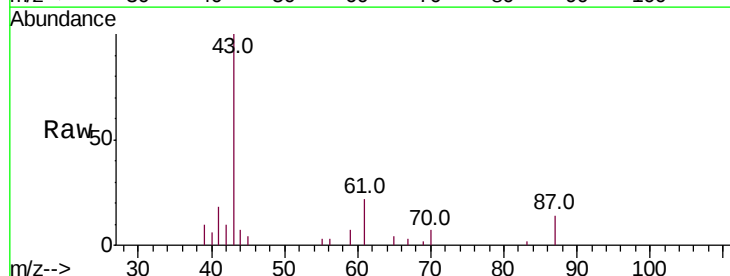


Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

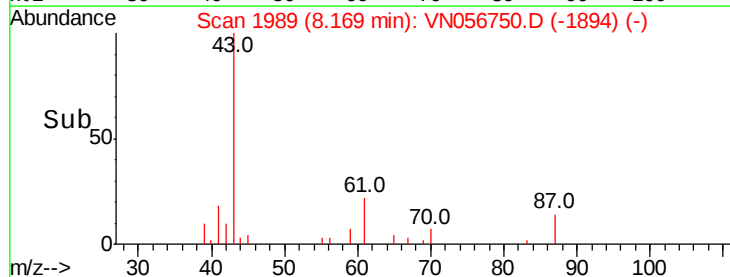
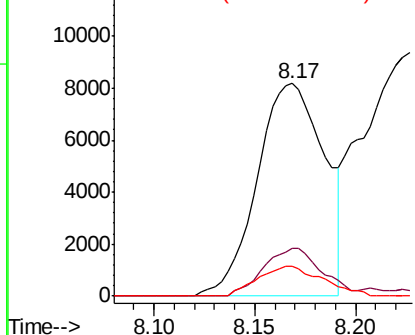


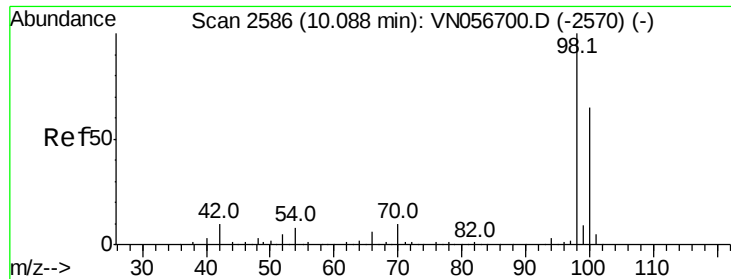
#43
Isopropyl Acetate
Concen: 2.796 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

Tgt Ion: 43 Resp: 18966
Ion Ratio Lower Upper
43 100
61 19.4 22.3 33.5#
87 13.5 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 53.365 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056750.D

Acq: 16 Jul 2019 6:46

Instrument :

MSVOA_N

ClientSampleId :

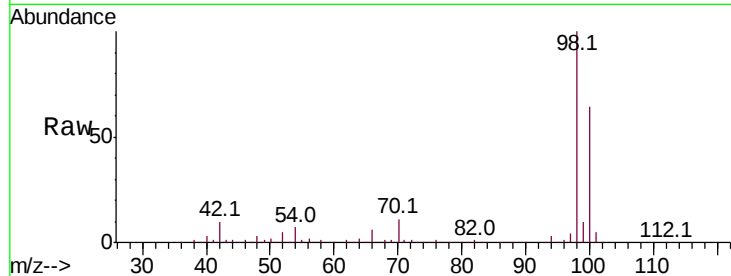
SOIL-DRUM

Tot Ion: 98 Resp: 606846

Ion Ratio Lower Upper

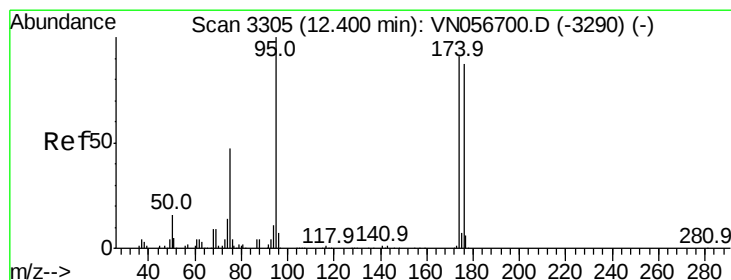
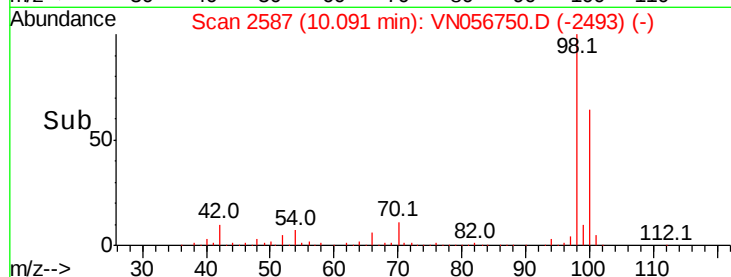
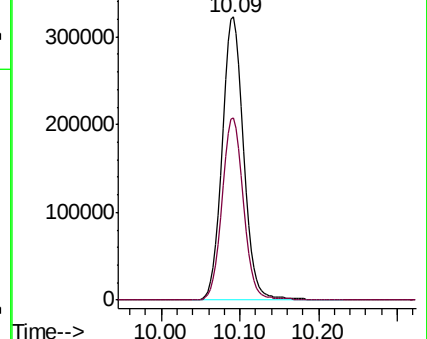
98 100

100 64.4 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 61.506 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056750.D

Acq: 16 Jul 2019 6:46

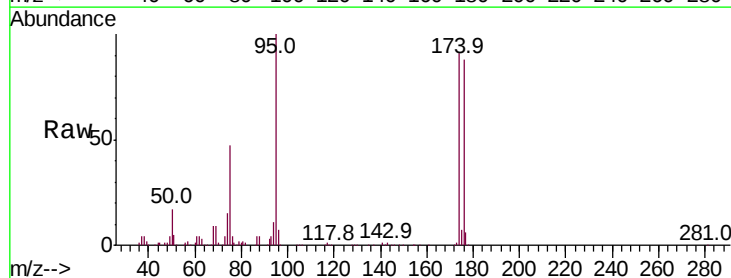
Tgt Ion: 95 Resp: 235871

Ion Ratio Lower Upper

95 100

174 90.6 0.0 180.0

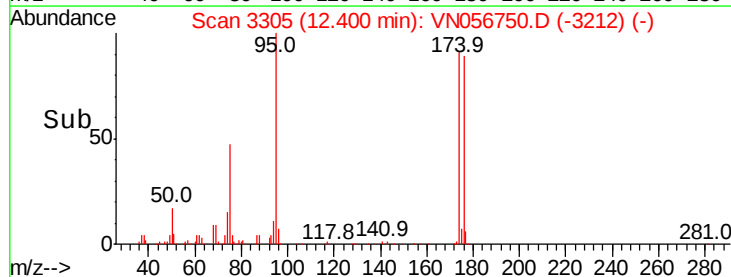
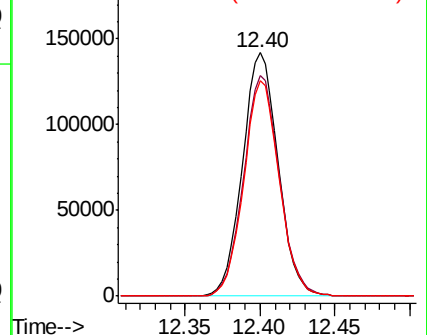
176 87.8 0.0 173.2

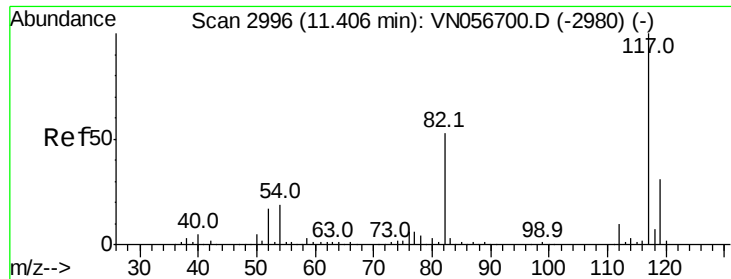


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

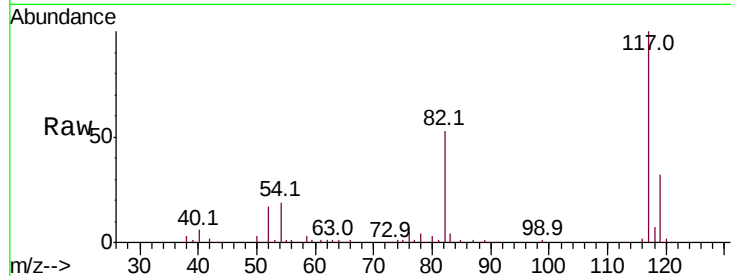




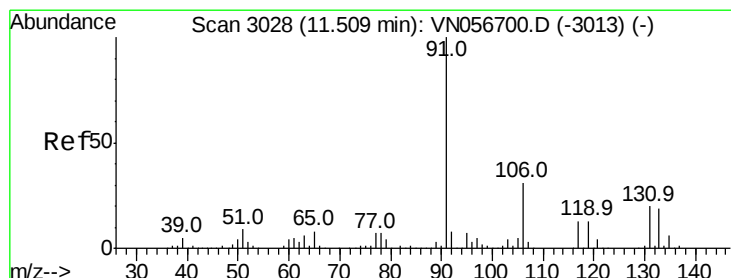
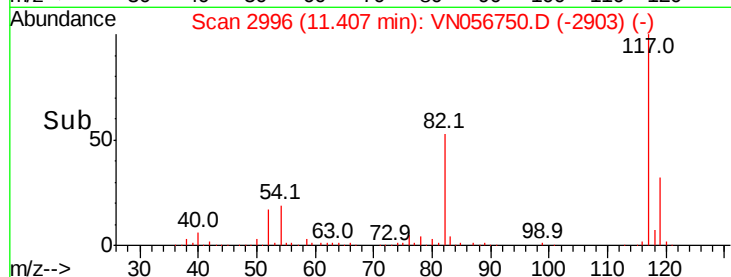
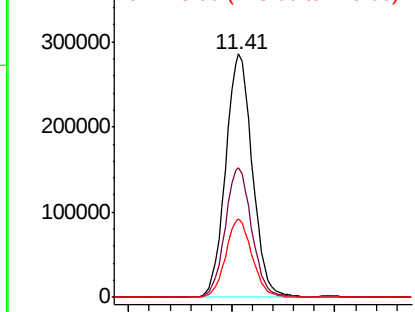
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

Instrument :
MSVOA_N
ClientSampled :
SOIL-DRUM

Tot Ion:117 Resp: 514590
Ion Ratio Lower Upper
117 100
82 53.2 42.2 63.2
119 32.2 25.2 37.8

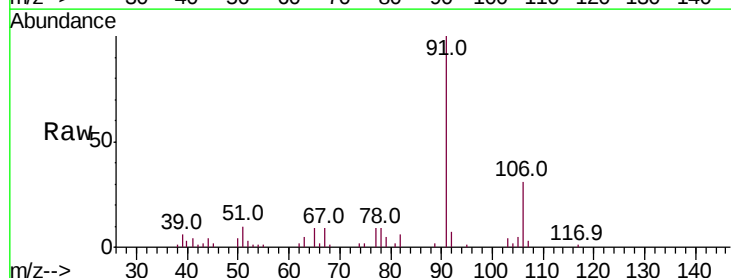


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VNO
Ion 118.90 (118.60 to 119.60): V

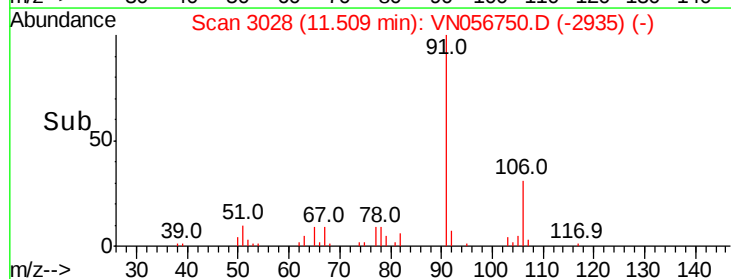
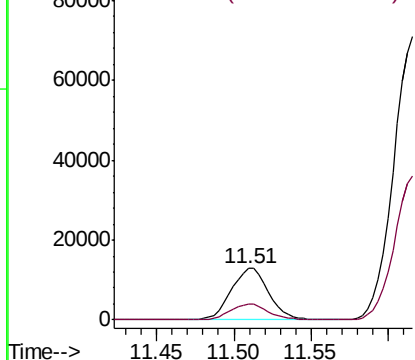


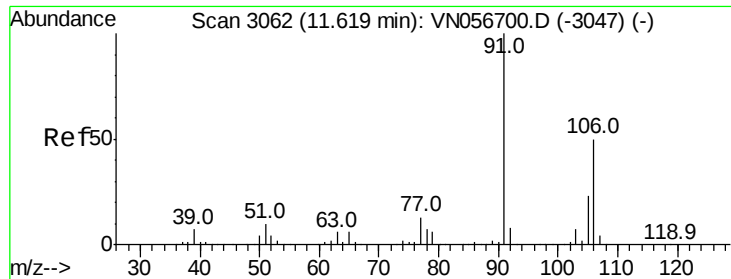
#67
Ethyl Benzene
Concen: 1.184 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

Tgt Ion: 91 Resp: 21890
Ion Ratio Lower Upper
91 100
106 31.1 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 106.00 (105.70 to 106.70): V

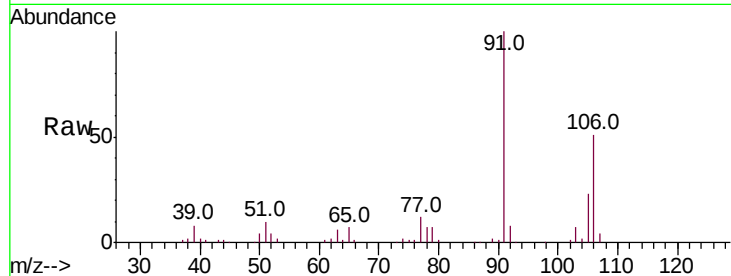




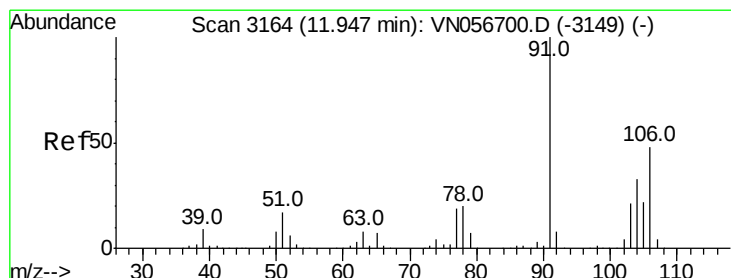
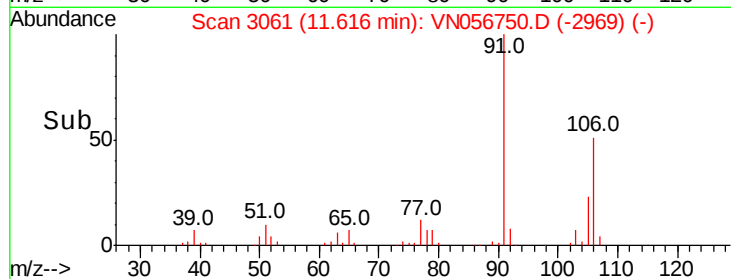
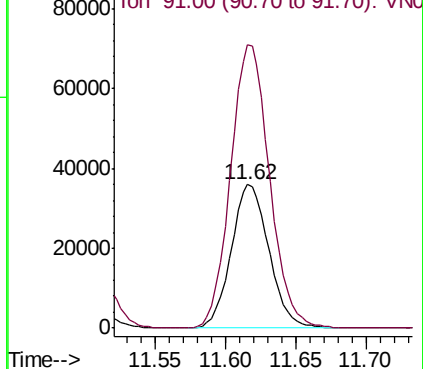
#68
m/p-Xylenes
Concen: 9.748 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

Instrument :
MSVOA_N
ClientSampled :
SOIL-DRUM

Tot Ion:106 Resp: 67363
Ion Ratio Lower Upper
106 100
91 203.5 160.5 240.7

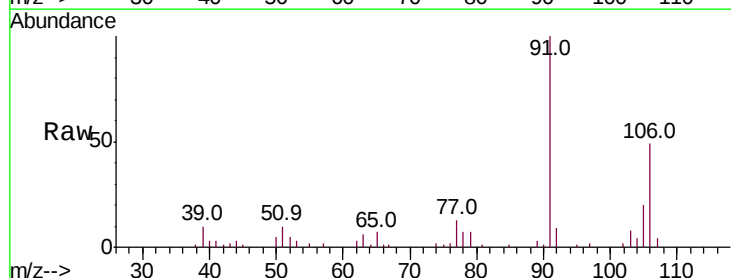


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

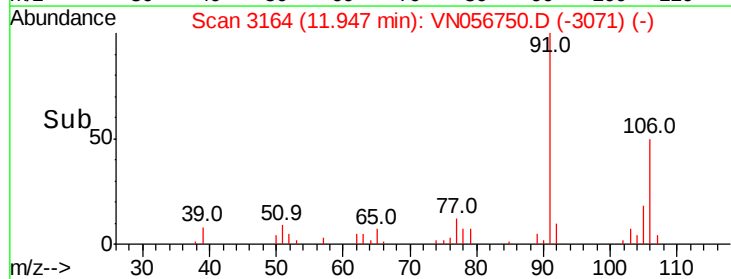
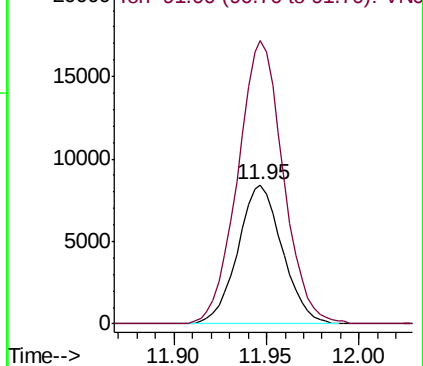


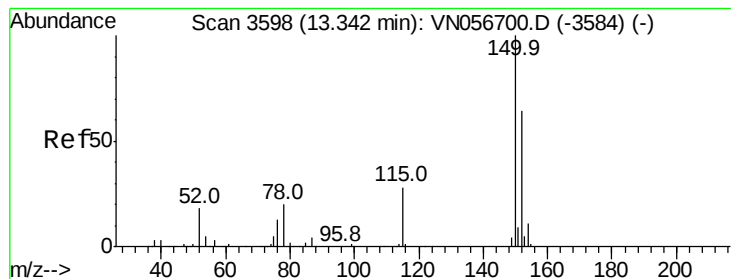
#69
o-Xylene
Concen: 2.073 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

Tgt Ion:106 Resp: 14083
Ion Ratio Lower Upper
106 100
91 208.2 105.6 316.8



Abundance Ion 106.00 (105.70 to 106.70): V
20000 Ion 91.00 (90.70 to 91.70): VN





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056750.D

Acq: 16 Jul 2019 6:46

Instrument :

MSVOA_N

ClientSampled :

SOIL-DRUM

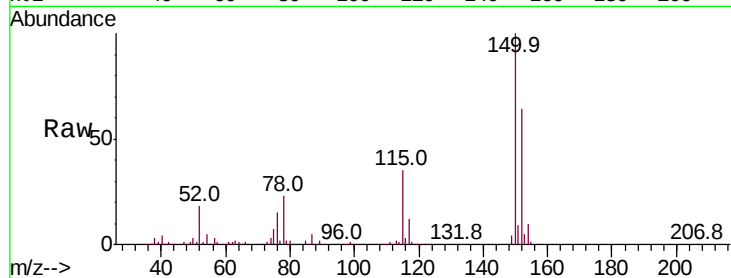
Tot Ion:152 Resp: 231165

Ion Ratio Lower Upper

152 100

115 56.7 28.2 84.7

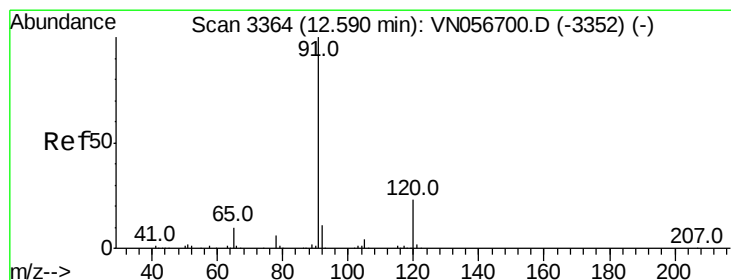
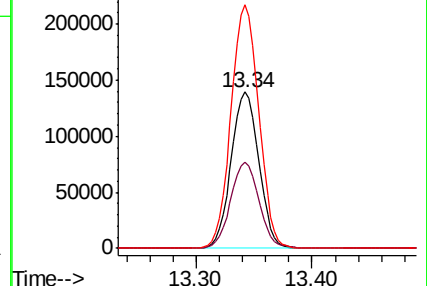
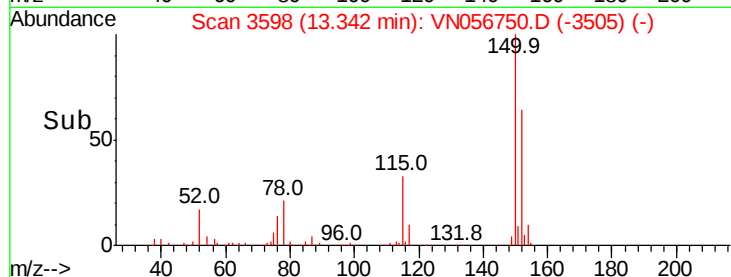
150 155.6 0.0 345.8



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



#78

n-propylbenzene

Concen: 1.133 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056750.D

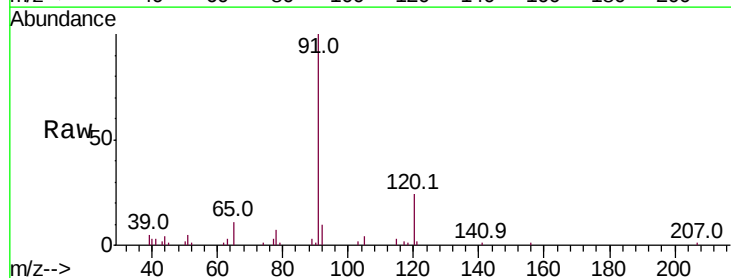
Acq: 16 Jul 2019 6:46

Tgt Ion: 91 Resp: 23438

Ion Ratio Lower Upper

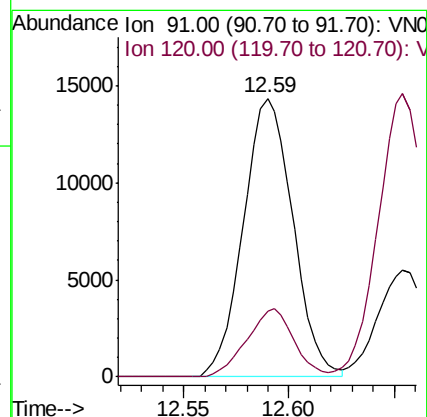
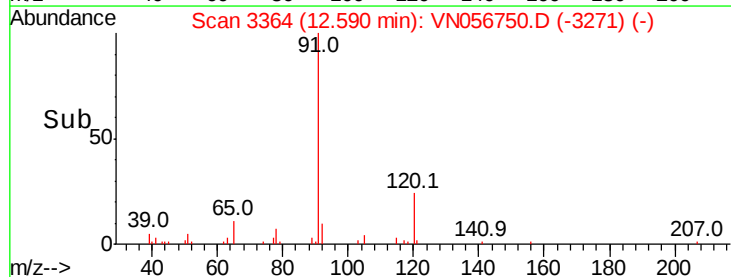
91 100

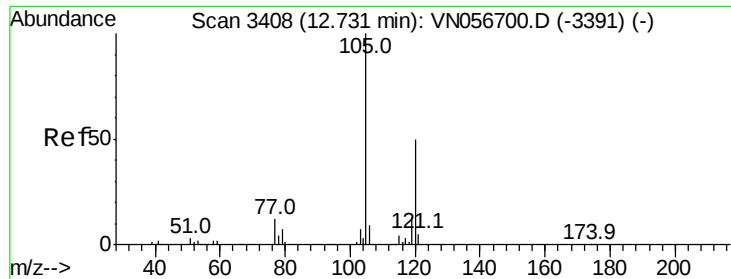
120 23.4 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 5.361 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056750.D

Acq: 16 Jul 2019 6:46

Instrument :

MSVOA_N

ClientSampled :

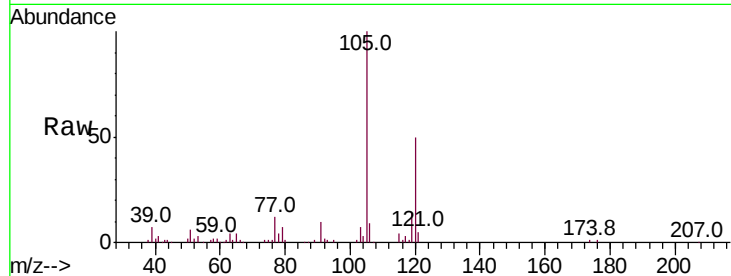
SOIL-DRUM

Tot Ion:105 Resp: 84683

Ion Ratio Lower Upper

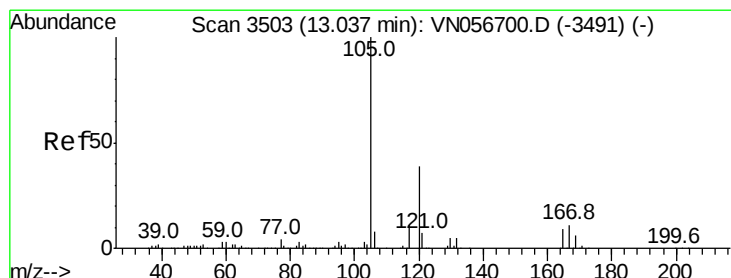
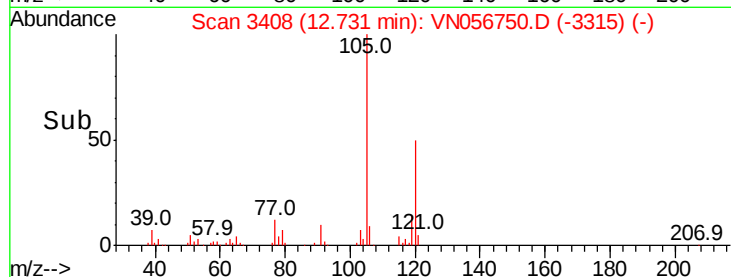
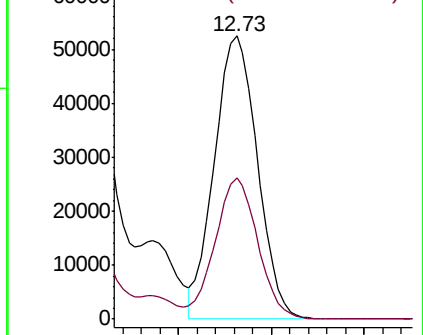
105 100

120 49.6 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 14.257 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN056750.D

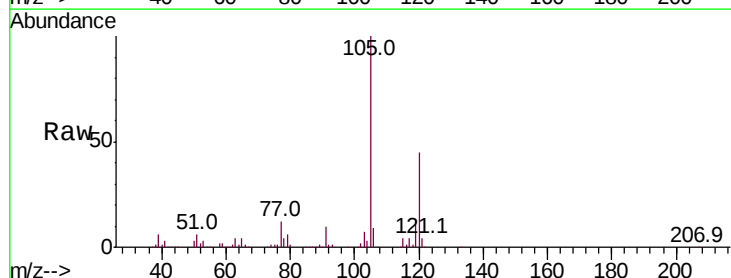
Acq: 16 Jul 2019 6:46

Tgt Ion:105 Resp: 220021

Ion Ratio Lower Upper

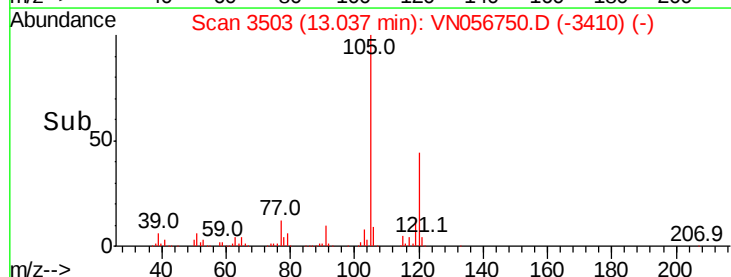
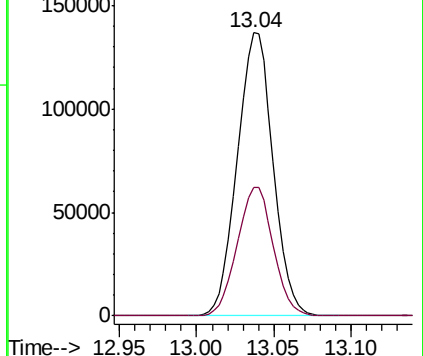
105 100

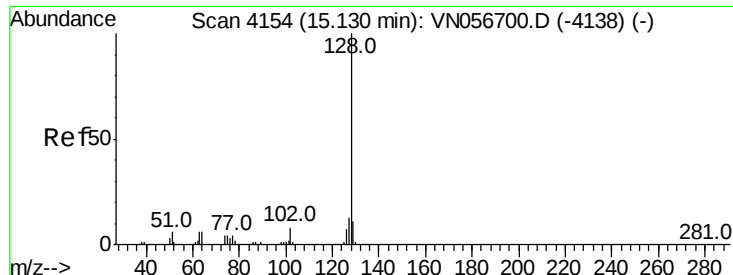
120 45.7 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 7.917 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056750.D

Acq: 16 Jul 2019 6:46

Instrument :

MSVOA_N

ClientSampleId :

SOIL-DRUM

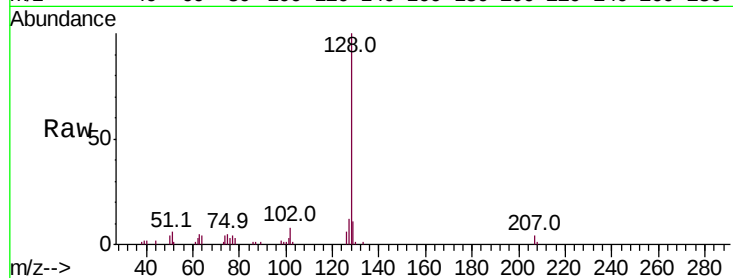
Tot Ion:128 Resp: 46178

Ion Ratio Lower Upper

128 100

127 12.2 10.3 15.5

129 10.7 8.7 13.1



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

