

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111918\
 Data File : VN052382.D
 Acq On : 19 Nov 2018 14:00
 Operator : MD\SY
 Sample : J5993-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SPLP-LEACHATE-AMENDED-WCC-

Quant Time: Nov 20 07:33:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	297830	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	494742	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	412159	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145845	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	210427	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
35) Dibromofluoromethane	7.59	113	155551	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
50) Toluene-d8	10.09	98	619037	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
62) 4-Bromofluorobenzene	12.40	95	179793	43.54	ug/l	0.00
Spiked Amount			Recovery	=	87.08%	

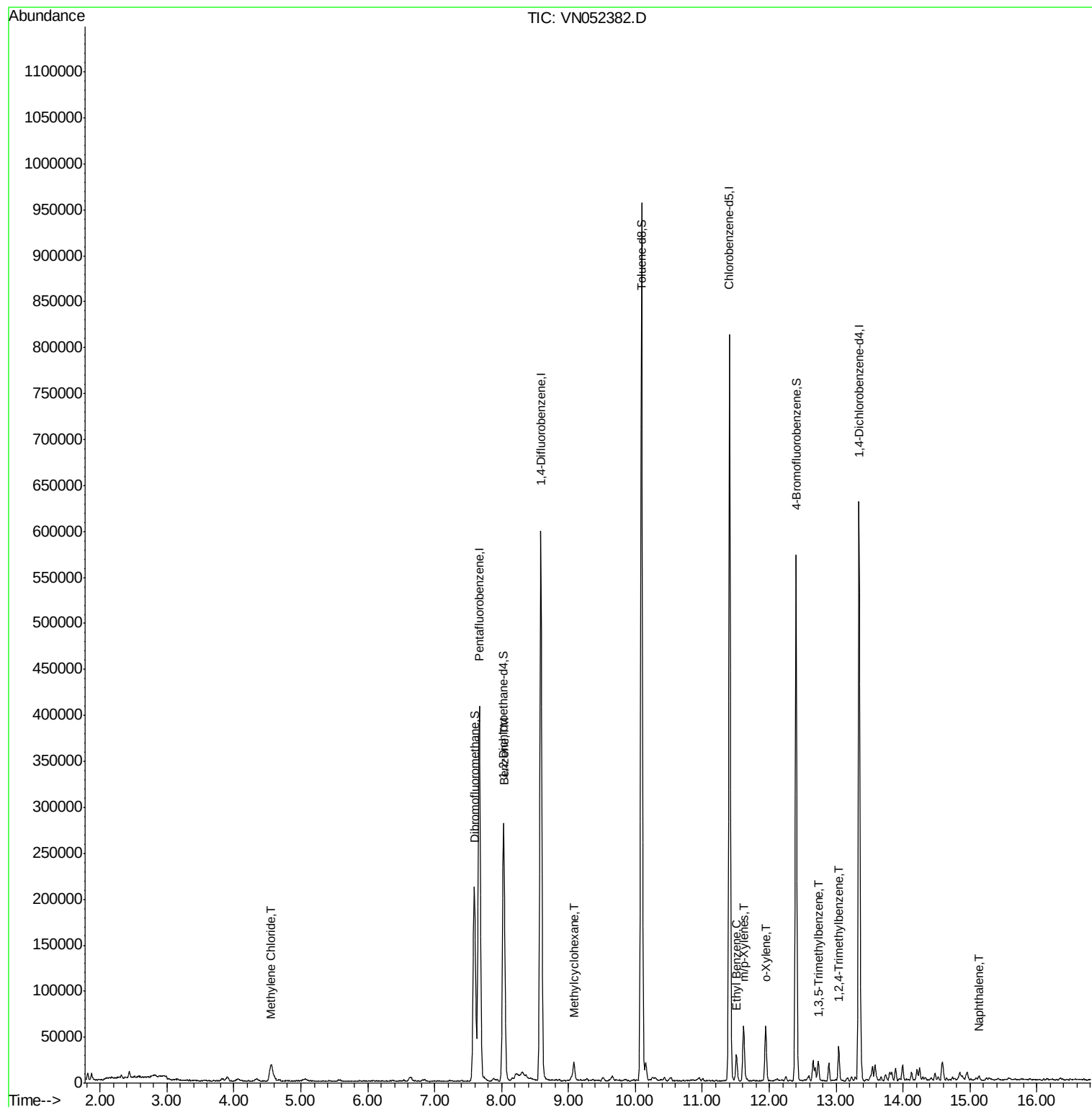
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.56	84	10971	2.45	ug/l	94
39) Methylcyclohexane	9.08	83	6882	1.22	ug/l	96
40) Benzene	8.04	78	33834	2.39	ug/l	93
67) Ethyl Benzene	11.51	91	17448	1.15	ug/l	100
68) m/p-Xylenes	11.62	106	16406	2.97	ug/l	91
69) o-Xylene	11.95	106	14327	2.71	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	10650	1.14	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	19437	2.08	ug/l	100
95) Naphthalene	15.13	128	3200	3.19	ug/l #	91

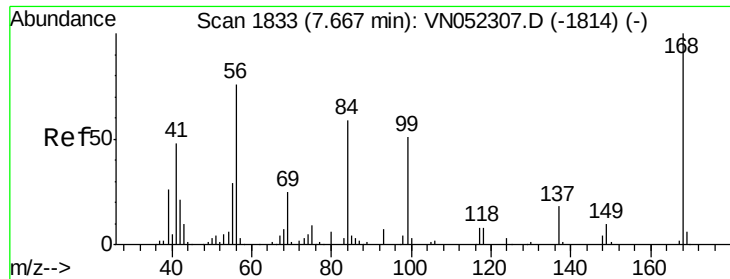
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052382.D

Acq: 19 Nov 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

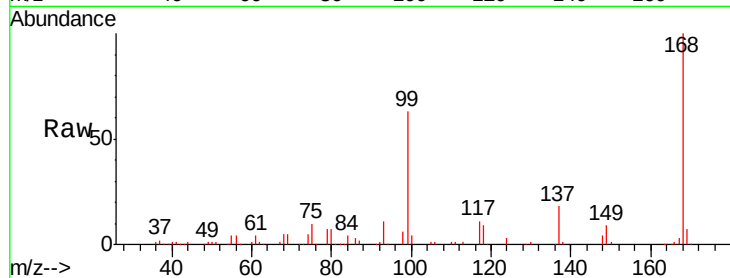
SPLP-LEACHATE-AMENDED-WCC-

Tgt Ion:168 Resp: 297830

Ion Ratio Lower Upper

168 100

99 63.2 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

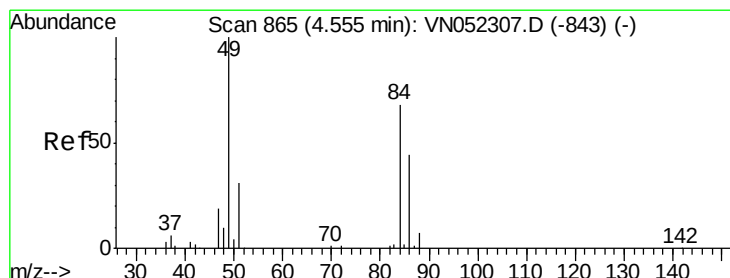
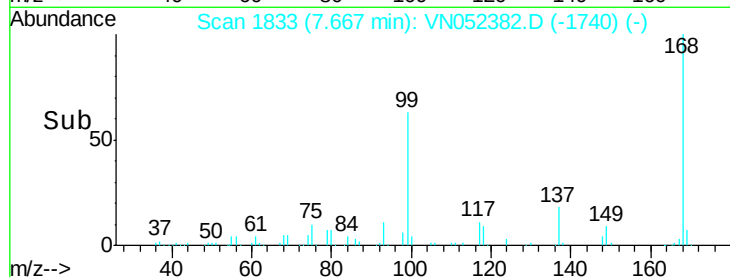
7.67

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 2.45 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN052382.D

Acq: 19 Nov 2018 14:00

Tgt Ion: 84 Resp: 10971

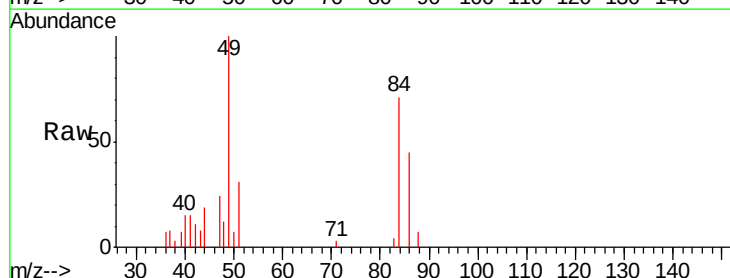
Ion Ratio Lower Upper

84 100

49 135.8 118.2 177.2

51 43.1 36.1 54.1

86 63.2 51.6 77.4



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

8000

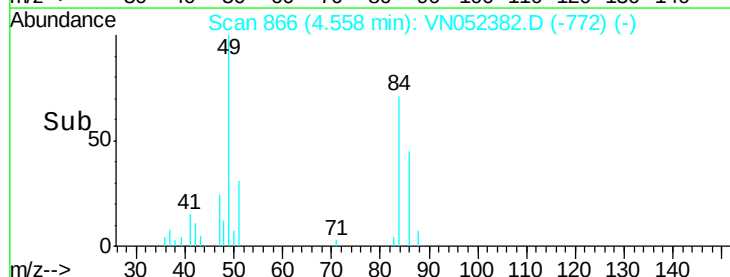
6000

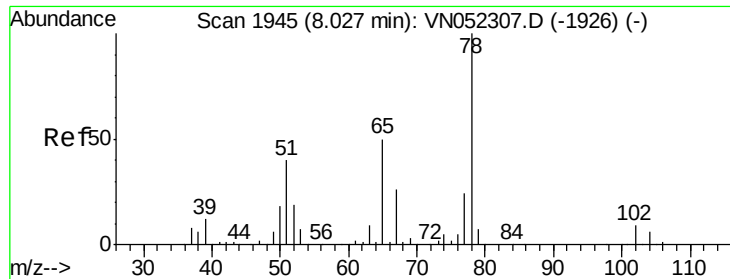
4000

2000

0

Time-->

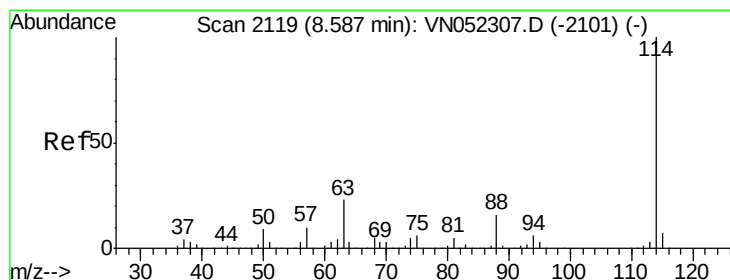
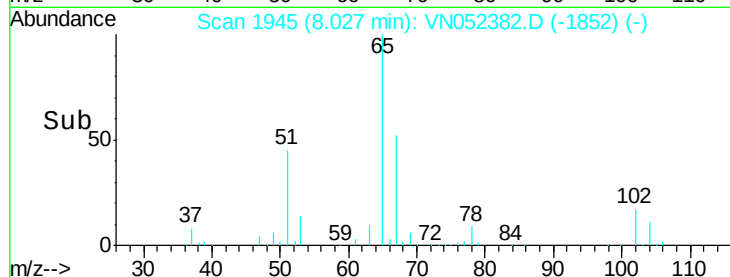
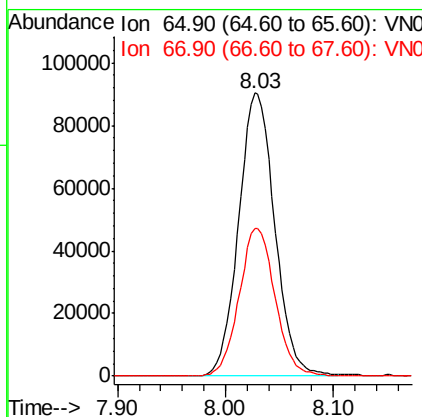
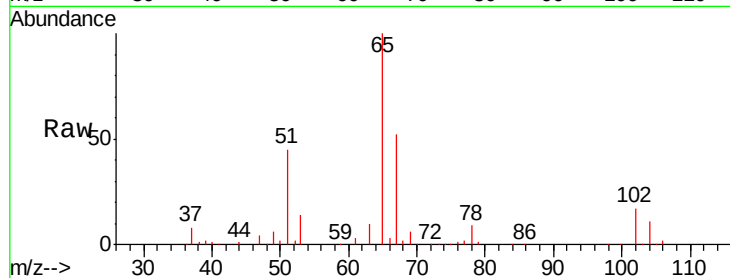




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052382.D
 Acq: 19 Nov 2018 14:00

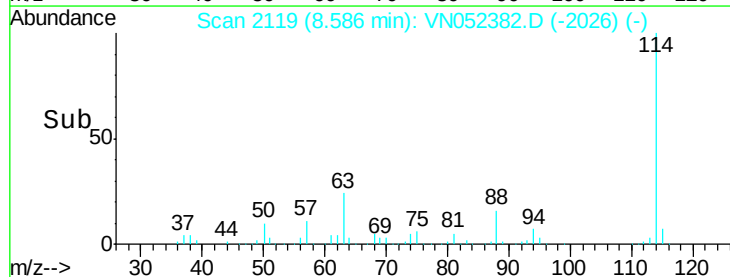
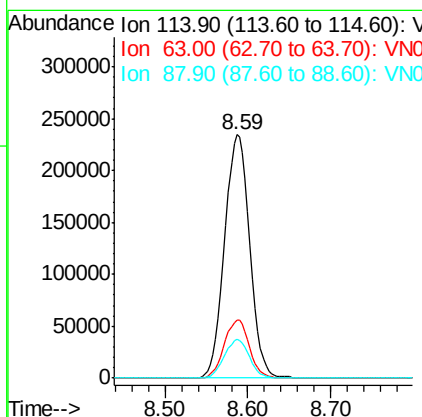
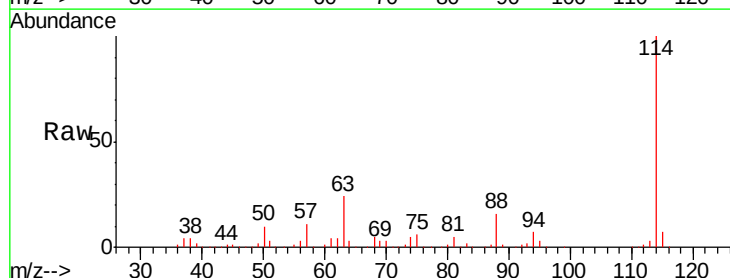
Instrument :
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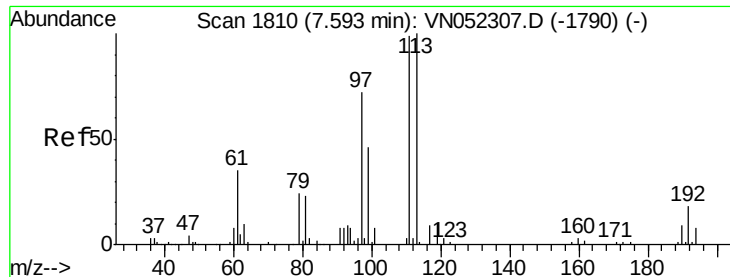
Tgt Ion: 65 Resp: 210427
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052382.D
 Acq: 19 Nov 2018 14:00

Tgt Ion: 114 Resp: 494742
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 45.4
 88 15.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN052382.D

Acq: 19 Nov 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

SPLP-LEACHATE-AMENDED-WCC-

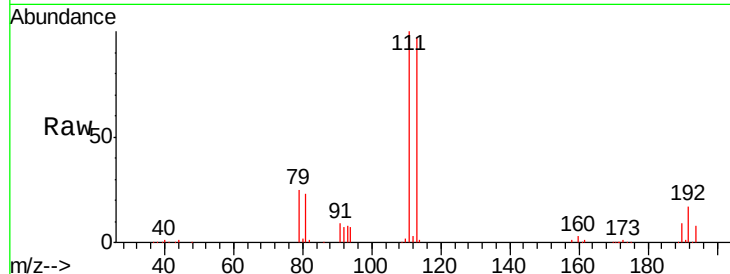
Tgt Ion: 113 Resp: 155551

Ion Ratio Lower Upper

113 100

111 103.8 81.0 121.6

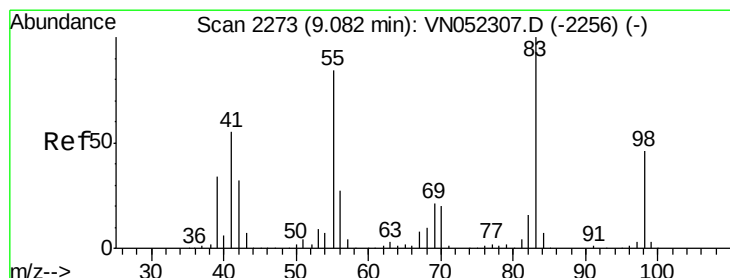
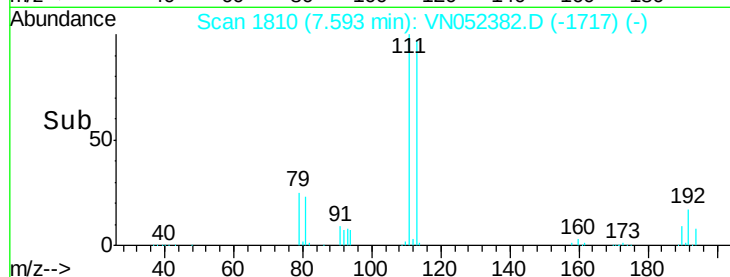
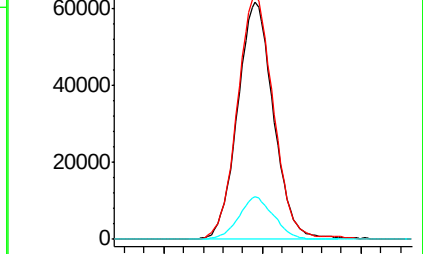
192 17.3 13.8 20.6



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

Methylcyclohexane

Concen: 1.22 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN052382.D

Acq: 19 Nov 2018 14:00

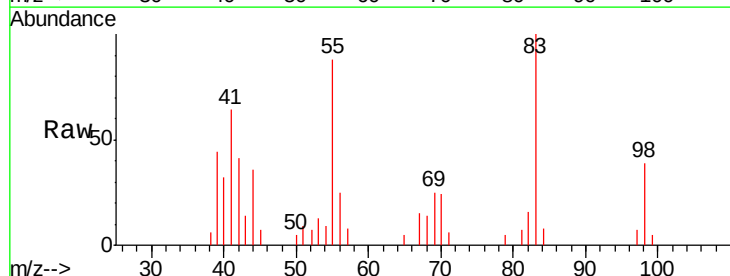
Tgt Ion: 83 Resp: 6882

Ion Ratio Lower Upper

83 100

55 82.5 66.8 100.2

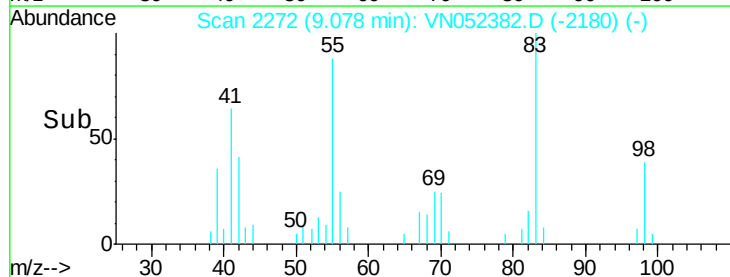
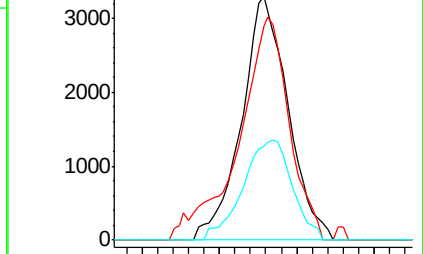
98 38.5 36.4 54.6

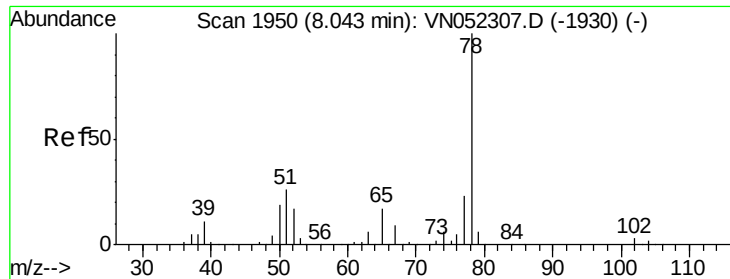


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#40

Benzene

Concen: 2.39 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. -0.00 min

Lab File: VN052382.D

Acq: 19 Nov 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

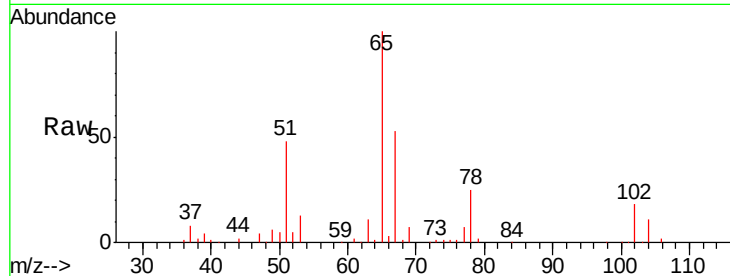
SPLP-LEACHATE-AMENDED-WCC-

Tgt Ion: 78 Resp: 33834

Ion Ratio Lower Upper

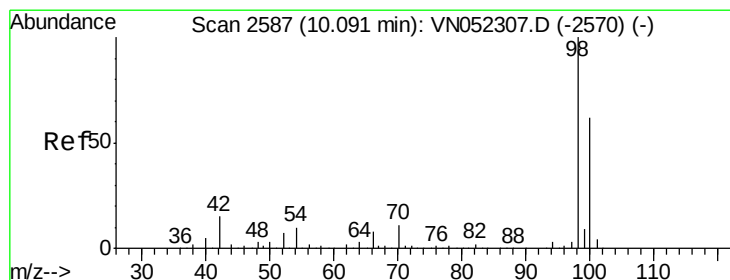
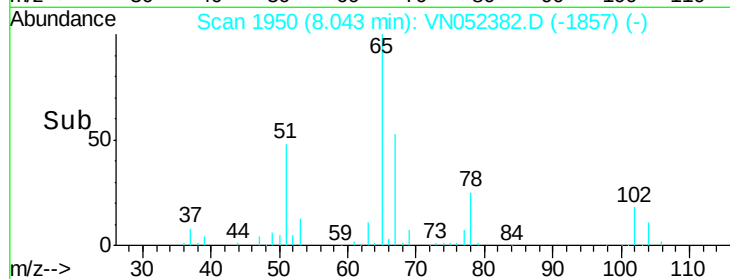
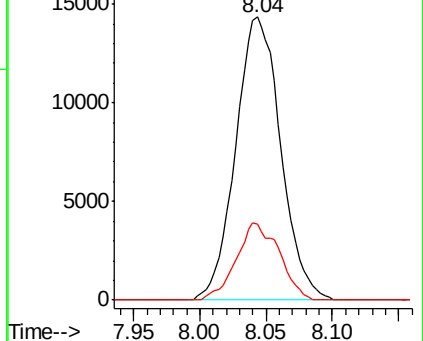
78 100

77 27.0 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052382.D

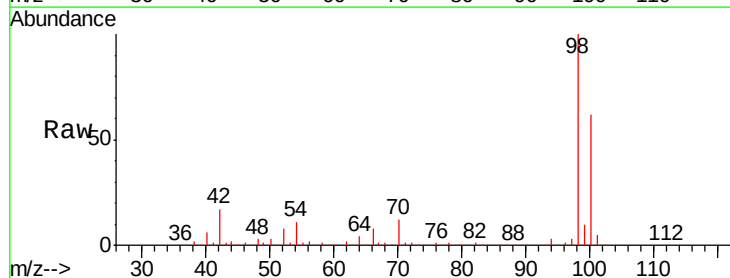
Acq: 19 Nov 2018 14:00

Tgt Ion: 98 Resp: 619037

Ion Ratio Lower Upper

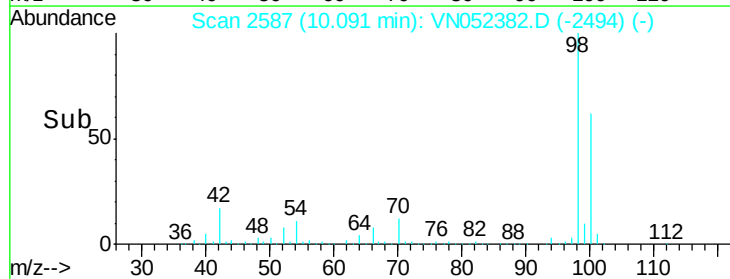
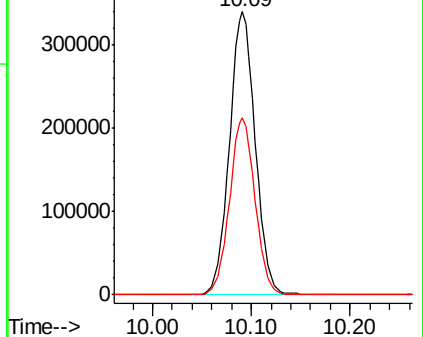
98 100

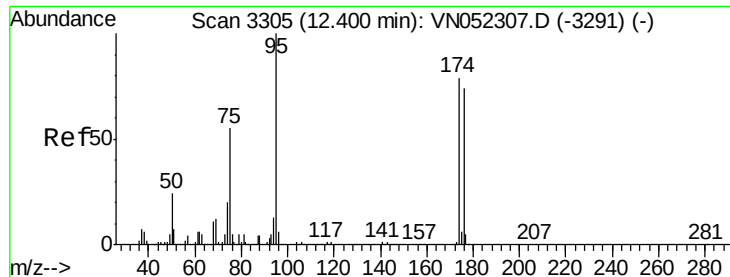
100 61.6 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

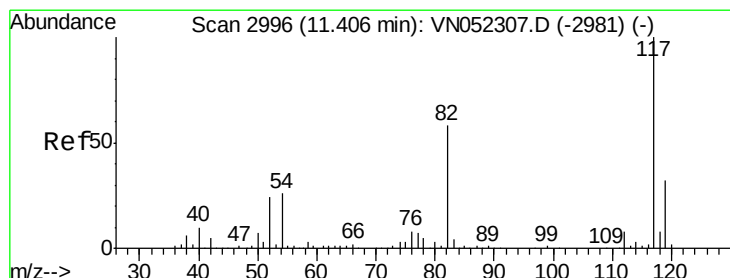
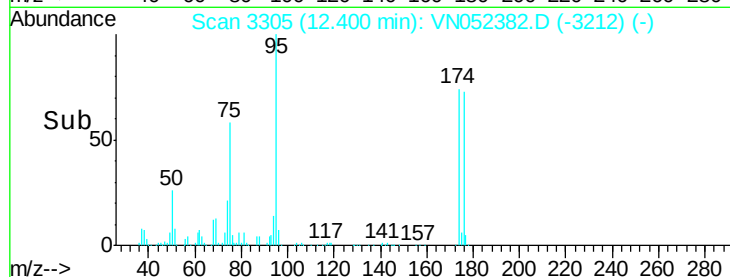
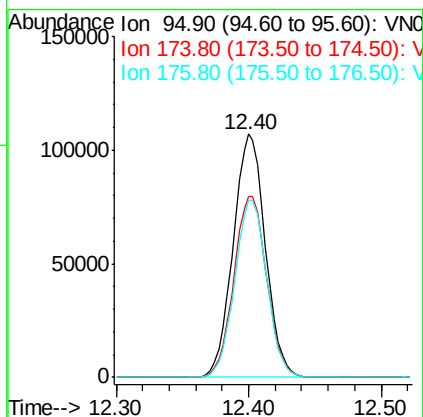
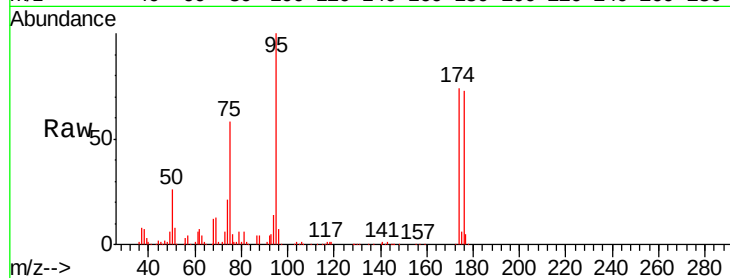




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052382.D
Acq: 19 Nov 2018 14:00

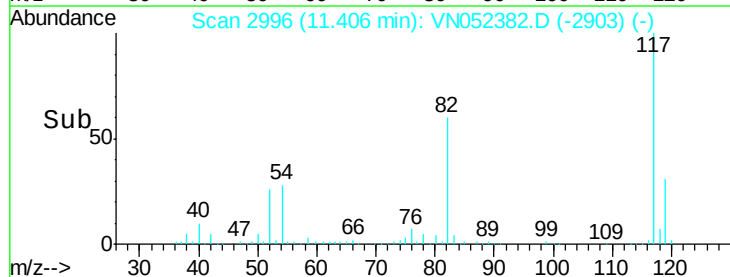
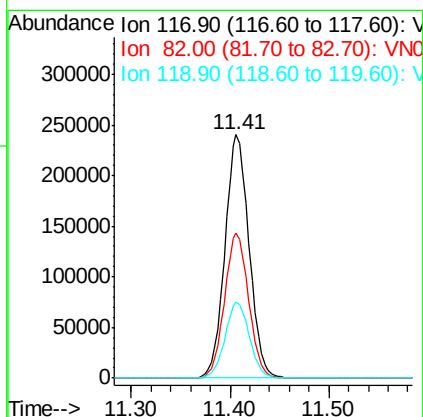
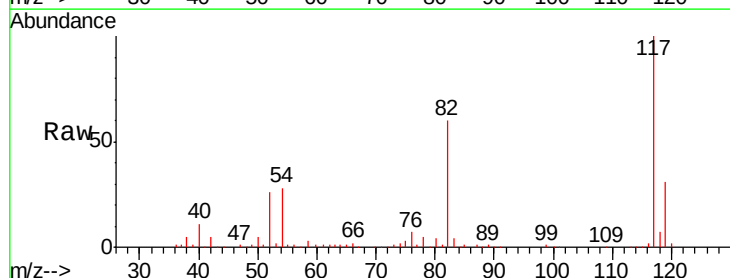
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SPLP-LEACHATE-AMENDED-WCC-

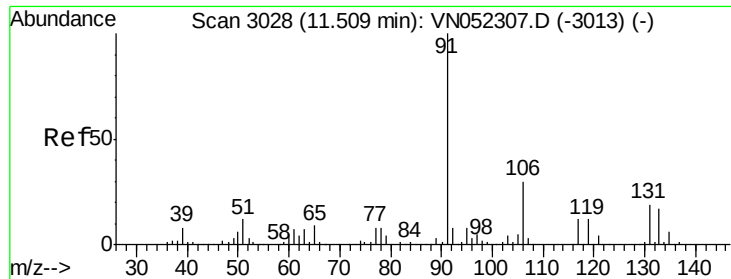
Tgt Ion: 95 Resp: 179793
Ion Ratio Lower Upper
95 100
174 76.1 0.0 156.0
176 72.8 0.0 148.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052382.D
Acq: 19 Nov 2018 14:00

Tgt Ion: 117 Resp: 412159
Ion Ratio Lower Upper
117 100
82 59.7 46.5 69.7
119 31.3 25.7 38.5

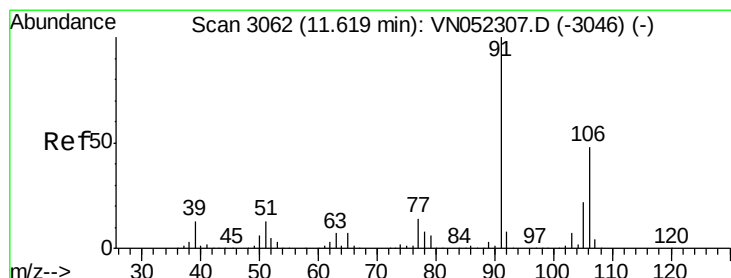
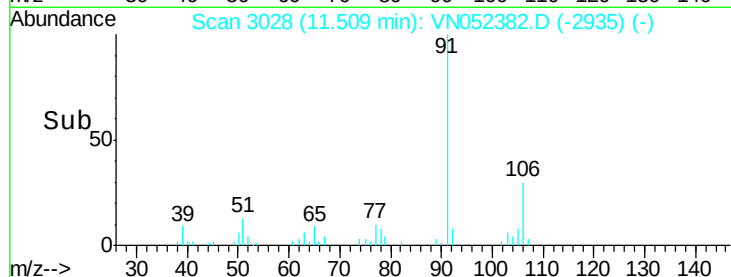
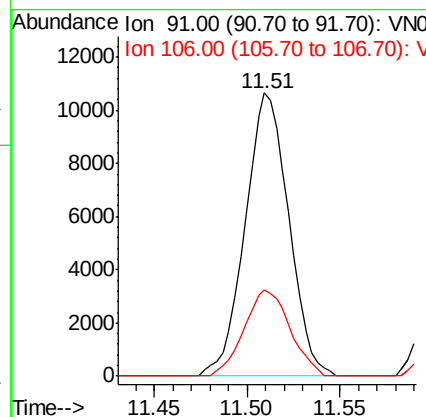
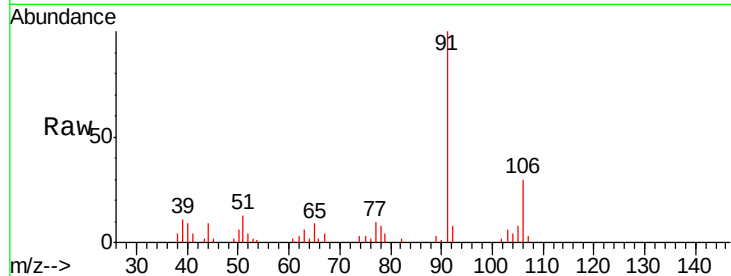




#67
Ethyl Benzene
Concen: 1.15 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052382.D
Acq: 19 Nov 2018 14:00

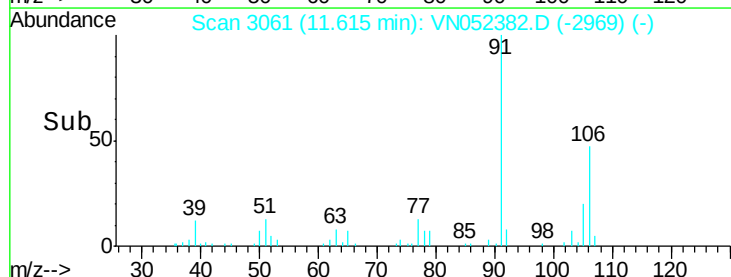
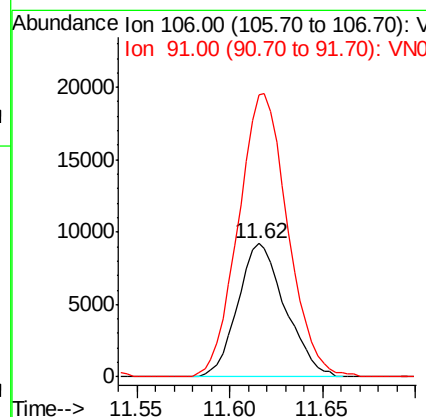
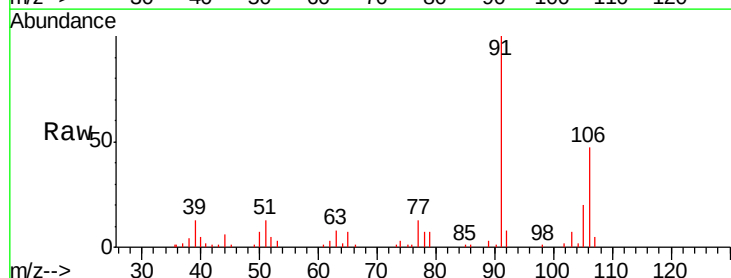
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ClientSampleId :
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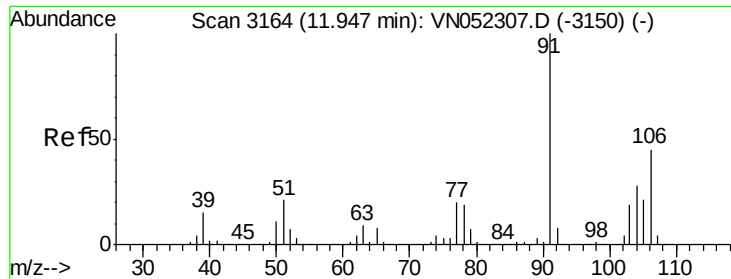
Tgt Ion: 91 Resp: 17448
Ion Ratio Lower Upper
91 100
106 30.4 24.2 36.2



#68
m/p-Xylenes
Concen: 2.97 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN052382.D
Acq: 19 Nov 2018 14:00

Tgt Ion: 106 Resp: 16406
Ion Ratio Lower Upper
106 100
91 220.5 165.5 248.3

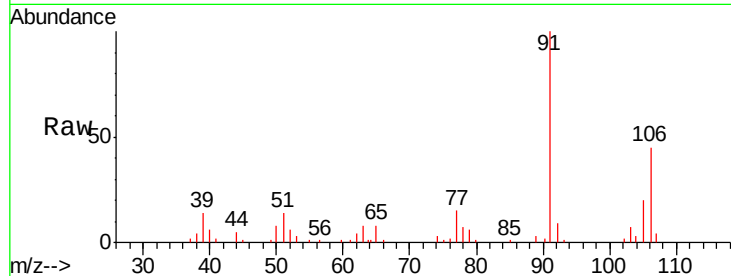




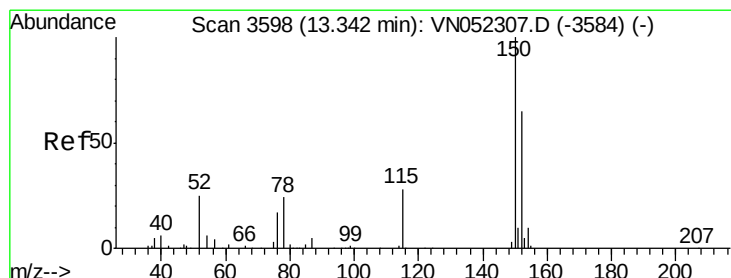
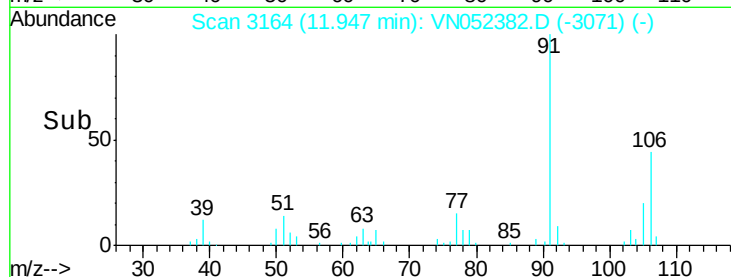
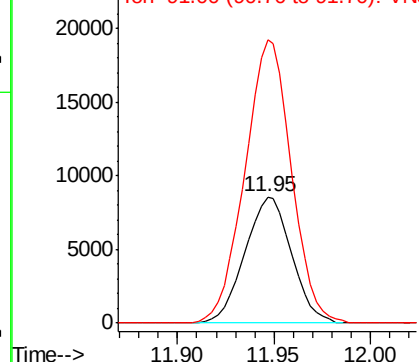
#69
o-Xylene
Concen: 2.71 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052382.D
Acq: 19 Nov 2018 14:00

Instrument :
MSVOA_N
ClientSampleId :
SPLP-LEACHATE-AMENDED-WCC-

Tgt Ion:106 Resp: 14327
Ion Ratio Lower Upper
106 100
91 224.3 110.0 330.0

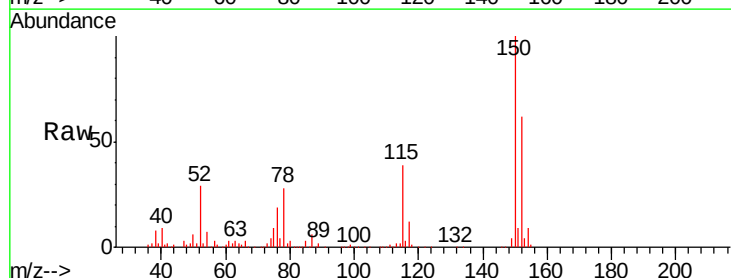


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

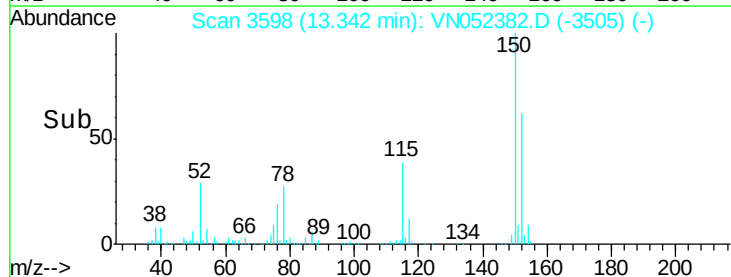
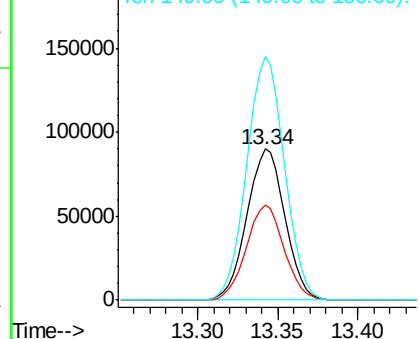


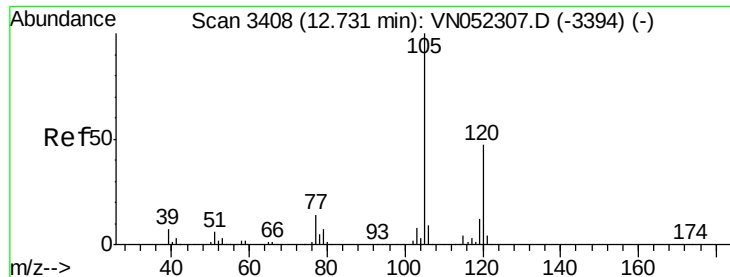
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052382.D
Acq: 19 Nov 2018 14:00

Tgt Ion:152 Resp: 145845
Ion Ratio Lower Upper
152 100
115 62.7 30.3 91.0
150 159.5 0.0 348.2



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





#80

1,3,5-Trimethylbenzene

Concen: 1.14 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052382.D

Acq: 19 Nov 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

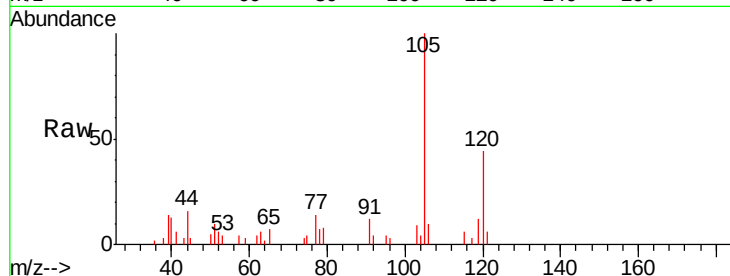
SPLP-LEACHATE-AMENDED-WCC-

Tgt Ion:105 Resp: 10650

Ion Ratio Lower Upper

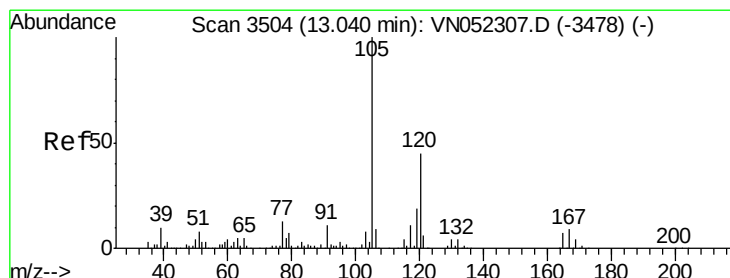
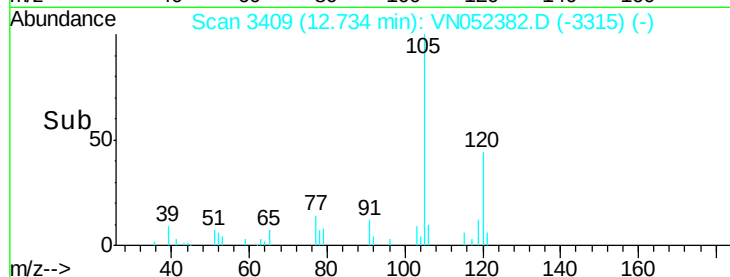
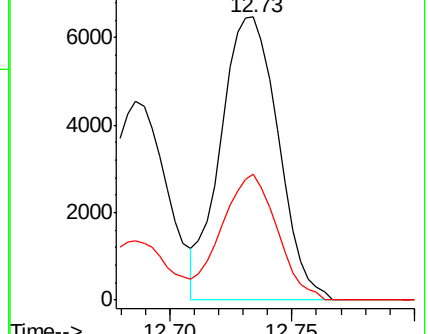
105 100

120 42.8 23.7 71.1



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: 2.08 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN052382.D

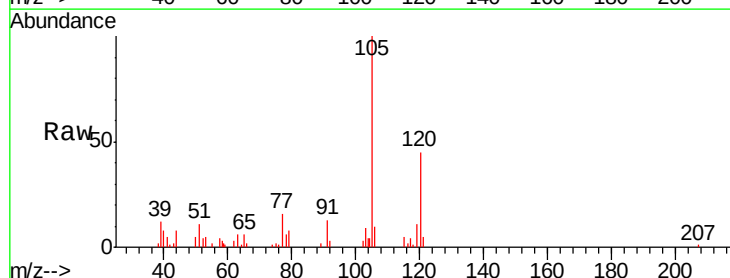
Acq: 19 Nov 2018 14:00

Tgt Ion:105 Resp: 19437

Ion Ratio Lower Upper

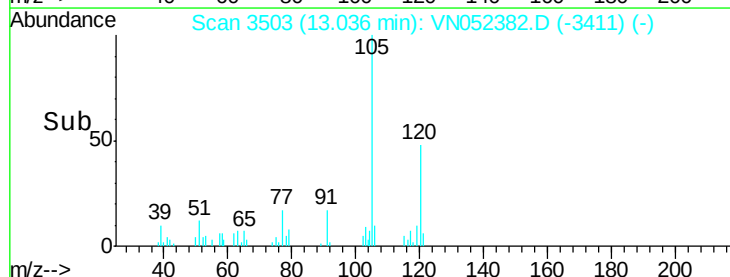
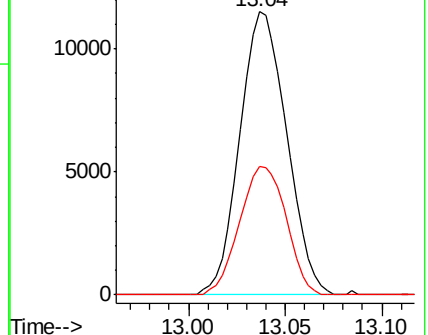
105 100

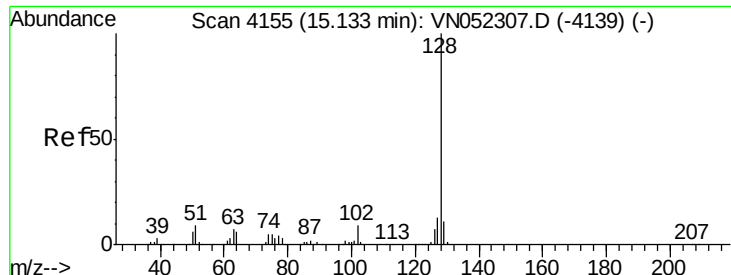
120 44.9 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

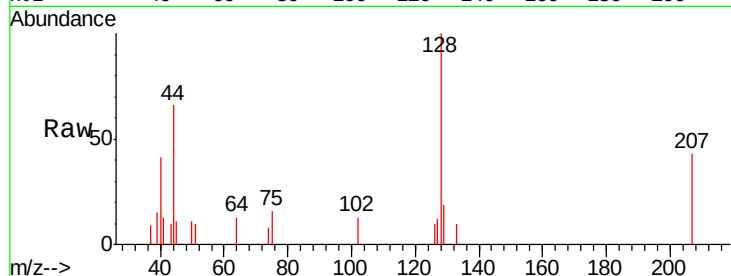




#95
Naphthalene
Concen: 3.19 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052382.D
Acq: 19 Nov 2018 14:00

Instrument :
MSVOA_N
ClientSampleId :
SPLP-LEACHATE-AMENDED-WCC-

Tgt Ion:128 Resp: 3200
Ion Ratio Lower Upper
128 100
127 6.8 10.4 15.6#
129 11.3 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

