

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111918\
 Data File : VN052383.D
 Acq On : 19 Nov 2018 14:27
 Operator : MD\SY
 Sample : J5993-12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 28

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

Quant Time: Nov 20 07:35:31 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	291736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	488837	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	403120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140621	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	210133	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
35) Dibromofluoromethane	7.60	113	149425	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	
50) Toluene-d8	10.09	98	615170	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
62) 4-Bromofluorobenzene	12.40	95	175115	42.92	ug/l	0.00
Spiked Amount			Recovery	=	85.84%	

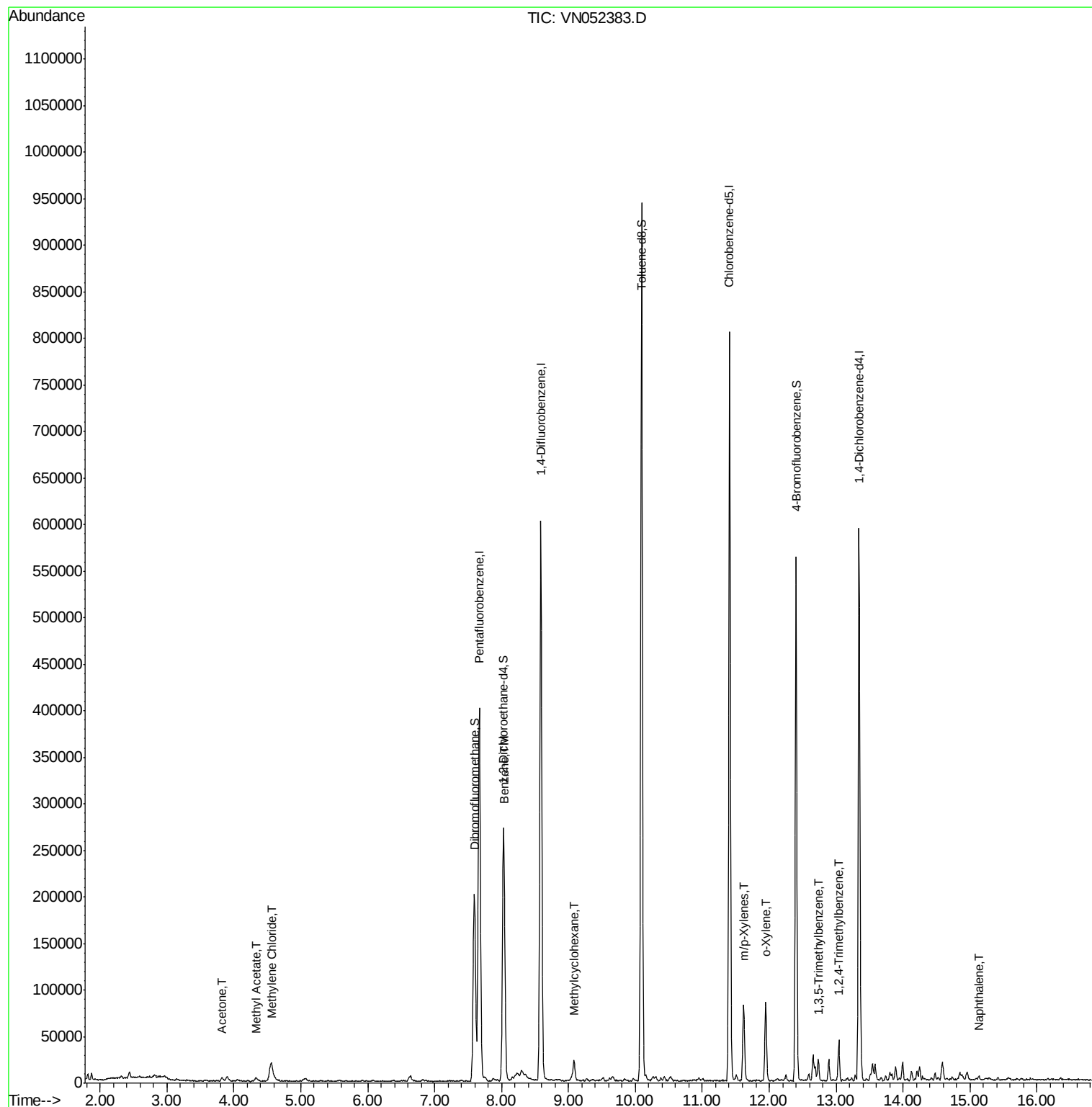
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	5294	4.67	ug/l	92
18) Methyl Acetate	4.33	43	6315	2.40	ug/l #	79
20) Methylene Chloride	4.55	84	12445	2.95	ug/l	96
39) Methylcyclohexane	9.08	83	7610	1.36	ug/l	87
40) Benzene	8.05	78	35182	2.51	ug/l	96
68) m/p-Xylenes	11.62	106	23399	4.33	ug/l	96
69) o-Xylene	11.95	106	21624	4.17	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	11101	1.23	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	22630	2.51	ug/l	96
95) Naphthalene	15.13	128	3959	3.36	ug/l #	89

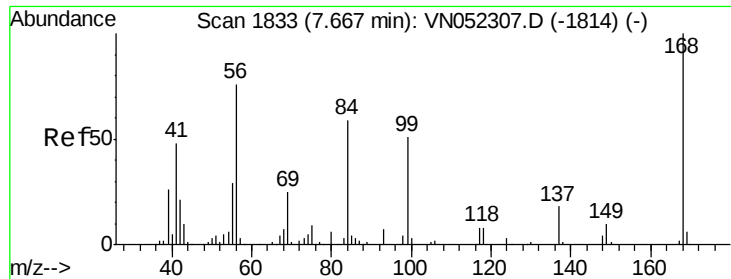
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN111918\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052383.D

Acq: 19 Nov 2018 14:27

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MSVOA_N

ClientSampleId :

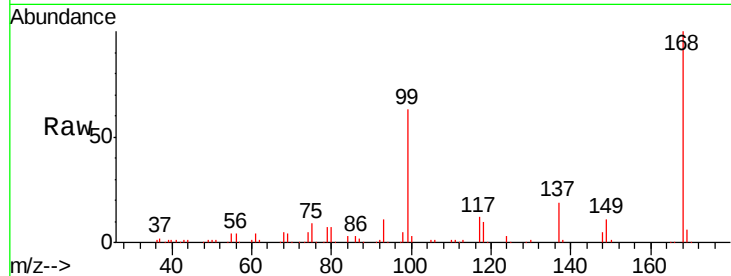
SPLP-LEACHATE-AMENDED-WCC-

Tgt Ion:168 Resp: 291736

Ion Ratio Lower Upper

168 100

99 63.2 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VN052307.D (-1814) (-)

Ion 98.90 (98.60 to 99.60): VN052307.D (-1814) (-)

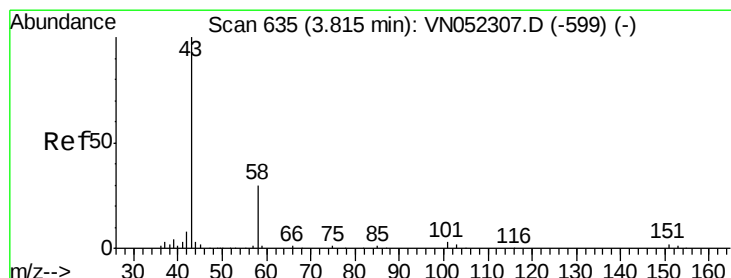
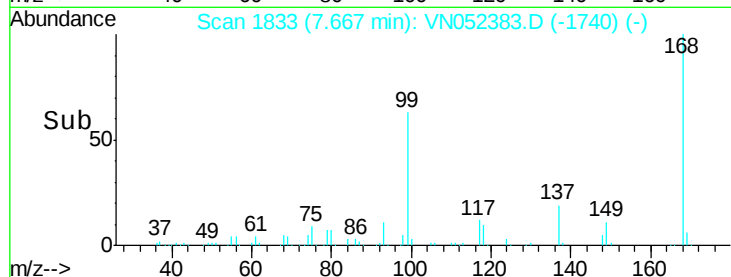
7.67

100000

50000

0

Time-->



#16

Acetone

Concen: 4.67 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052383.D

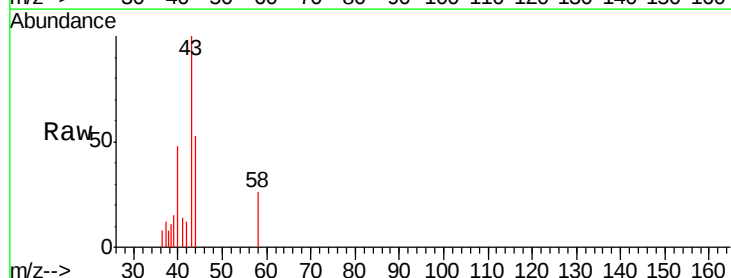
Acq: 19 Nov 2018 14:27

Tgt Ion: 43 Resp: 5294

Ion Ratio Lower Upper

43 100

58 25.8 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-599) (-)

3.82

2000

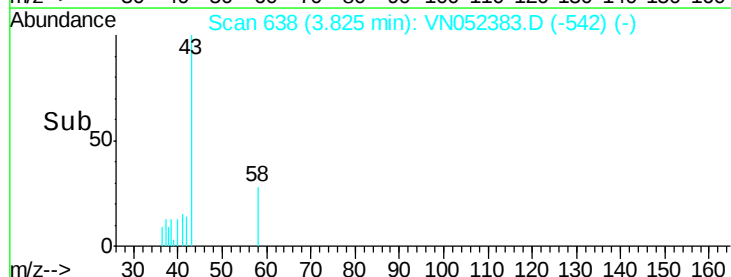
1500

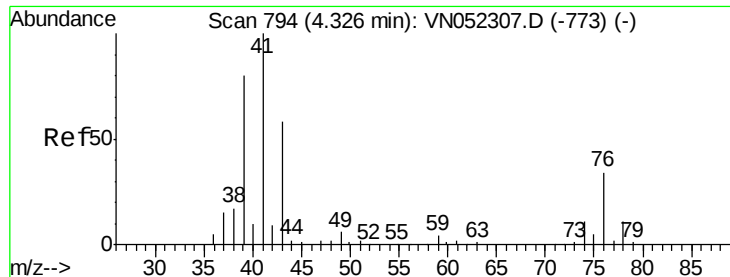
1000

500

0

Time-->

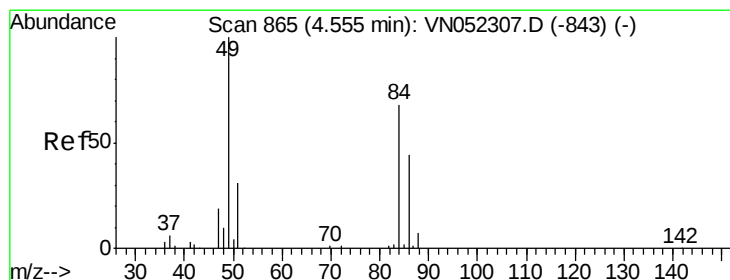
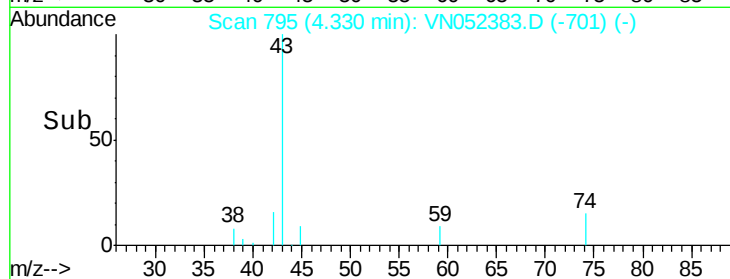
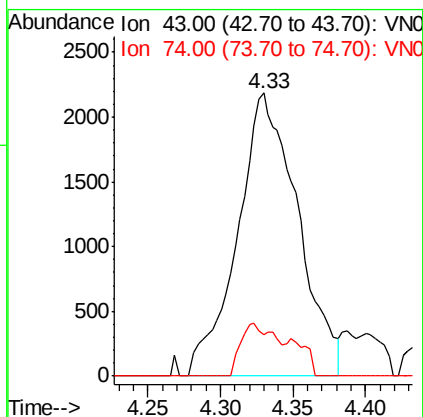
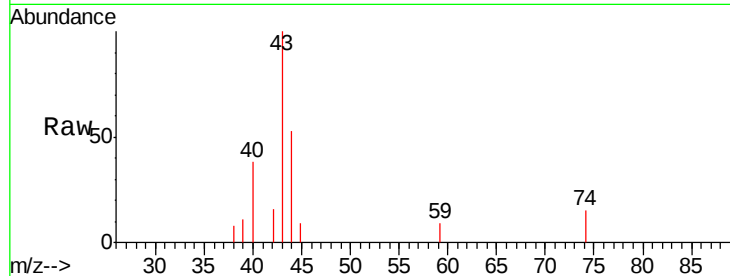




#18
Methyl Acetate
Concen: 2.40 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052383.D
Acq: 19 Nov 2018 14:27

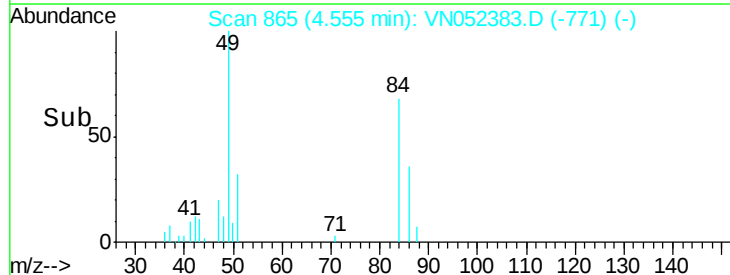
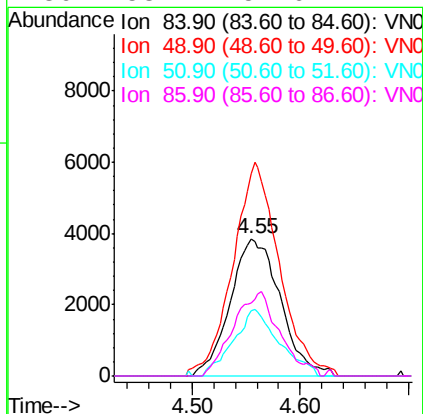
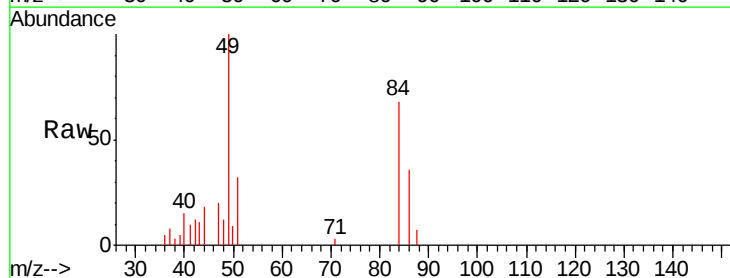
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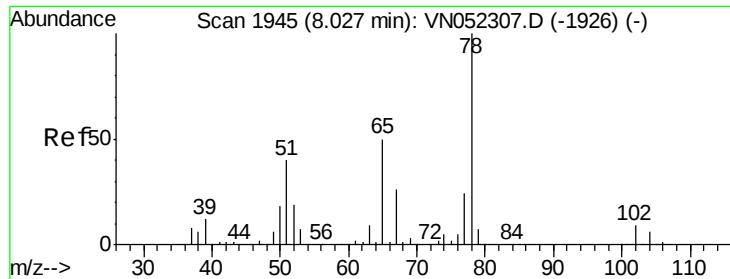
Tgt Ion: 43 Resp: 6315
Ion Ratio Lower Upper
43 100
74 10.5 15.9 23.9#



#20
Methylene Chloride
Concen: 2.95 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052383.D
Acq: 19 Nov 2018 14:27

Tgt Ion: 84 Resp: 12445
Ion Ratio Lower Upper
84 100
49 147.5 118.2 177.2
51 47.9 36.1 54.1
86 53.4 51.6 77.4

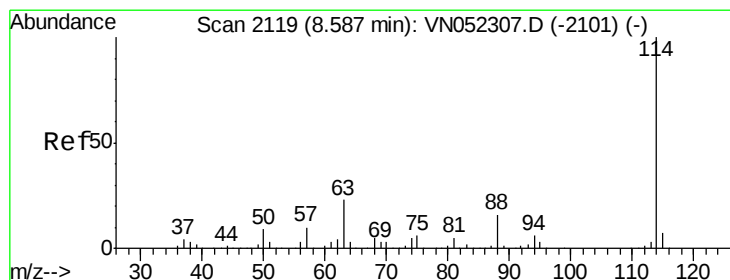
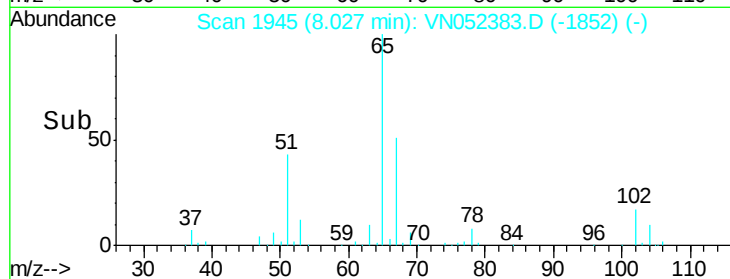
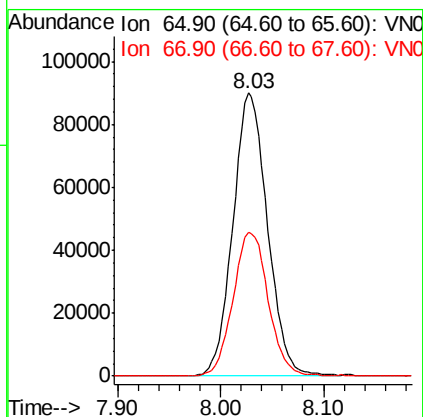
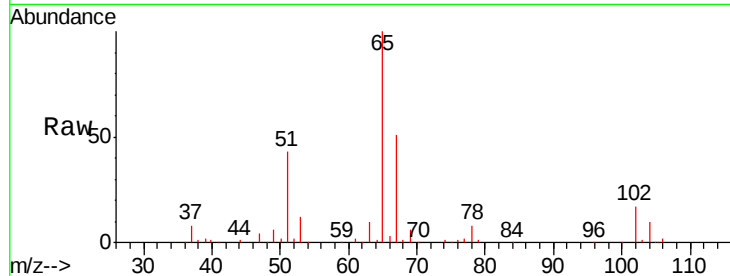




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052383.D
 Acq: 19 Nov 2018 14:27

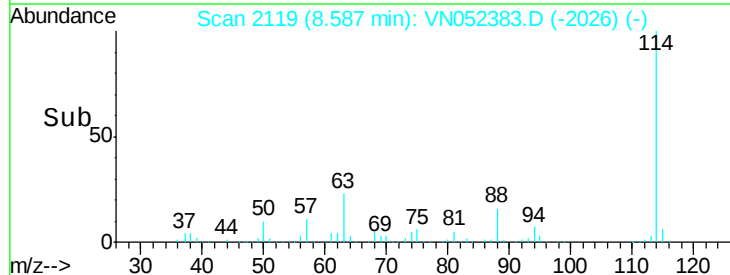
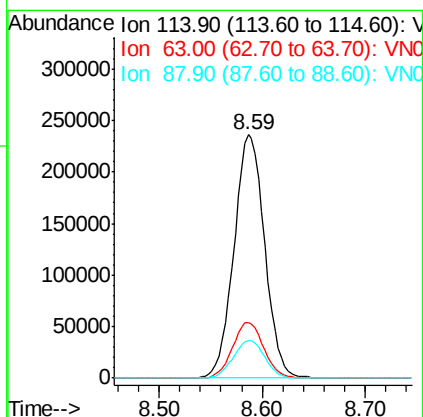
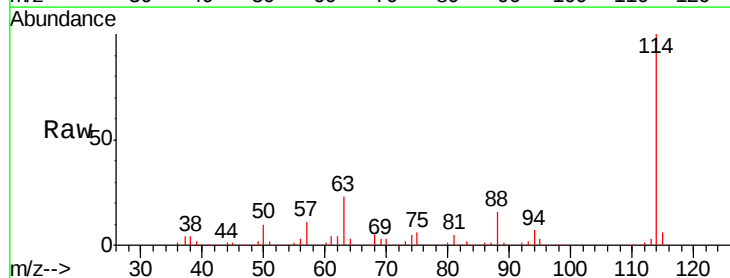
Instrument :
 MSVOA_N
 ClientSampleId :
 SPLP-LEACHATE-AMENDED-WCC-

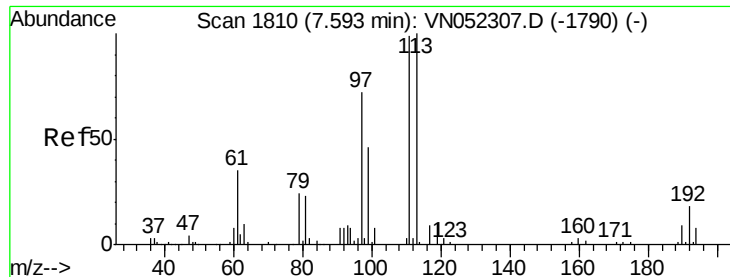
Tgt Ion: 65 Resp: 210133
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052383.D
 Acq: 19 Nov 2018 14:27

Tgt Ion: 114 Resp: 488837
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.4
 88 15.6 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 7.60 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VN052383.D

Acq: 19 Nov 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

SPLP-LEACHATE-AMENDED-WCC-

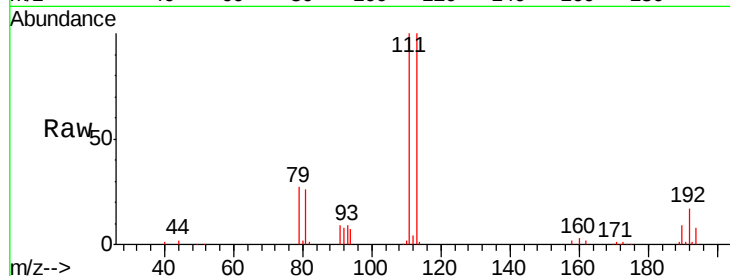
Tgt Ion: 113 Resp: 149425

Ion Ratio Lower Upper

113 100

111 100.8 81.0 121.6

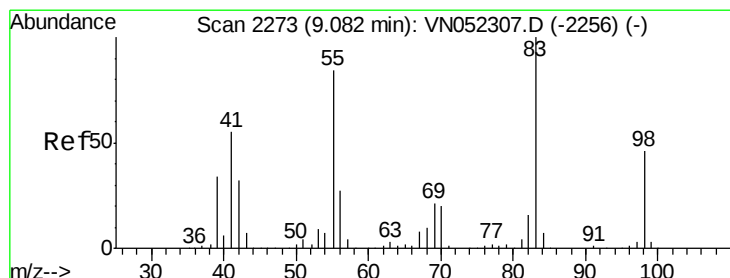
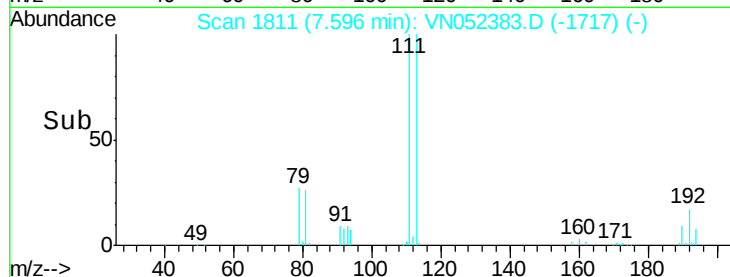
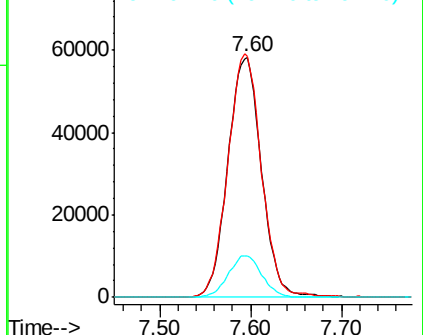
192 17.3 13.8 20.6



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: 1.36 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN052383.D

Acq: 19 Nov 2018 14:27

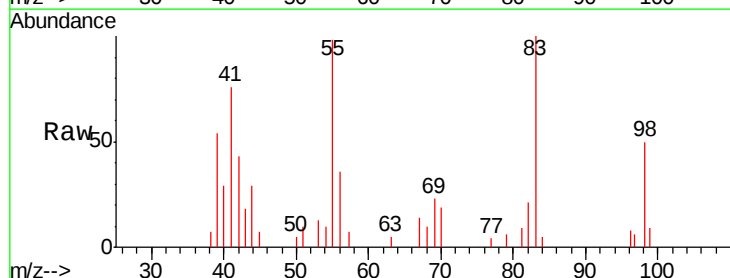
Tgt Ion: 83 Resp: 7610

Ion Ratio Lower Upper

83 100

55 98.0 66.8 100.2

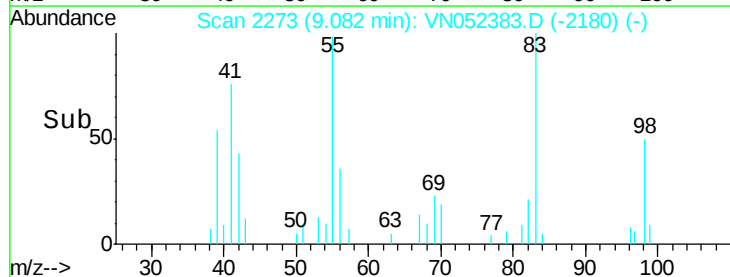
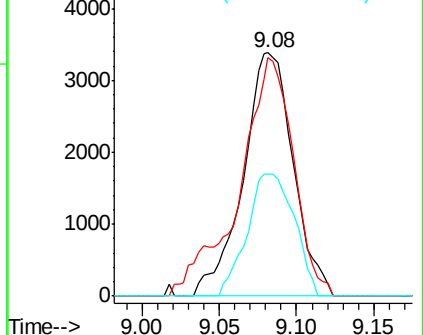
98 50.0 36.4 54.6

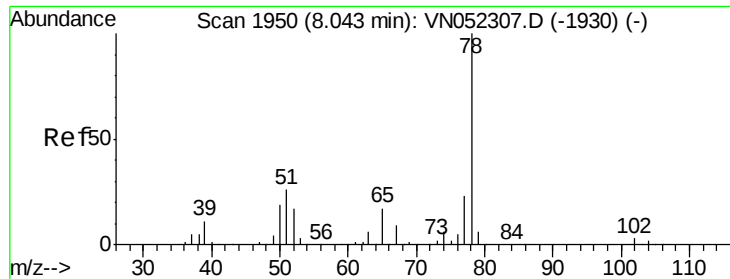


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 2.51 ug/l

RT: 8.05 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VN052383.D

Acq: 19 Nov 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

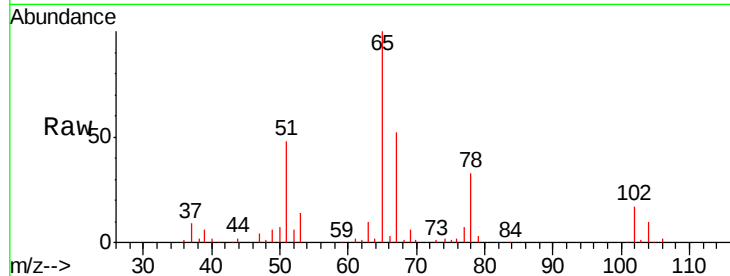
SPLP-LEACHATE-AMENDED-WCC-

Tgt Ion: 78 Resp: 35182

Ion Ratio Lower Upper

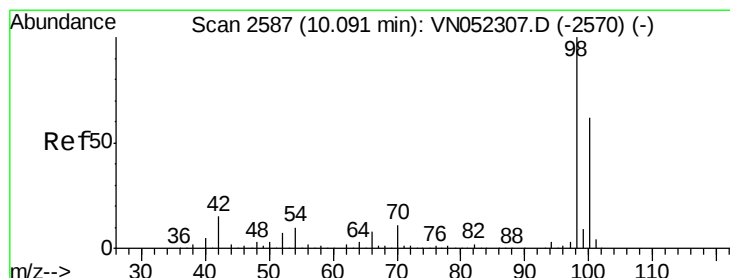
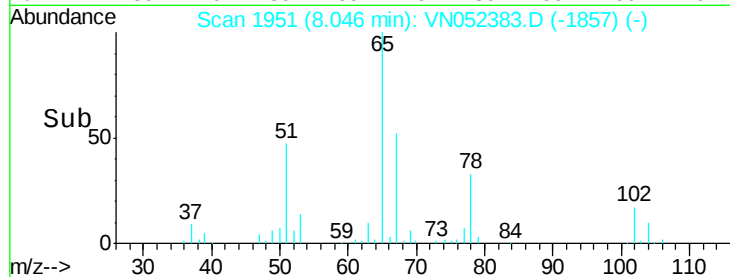
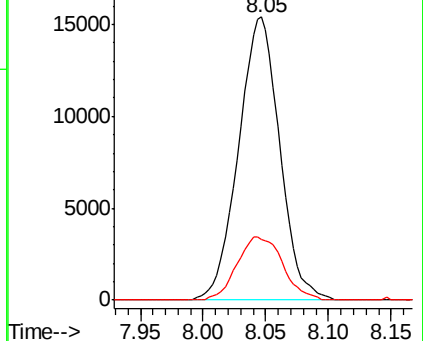
78 100

77 21.5 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: VN052383.D

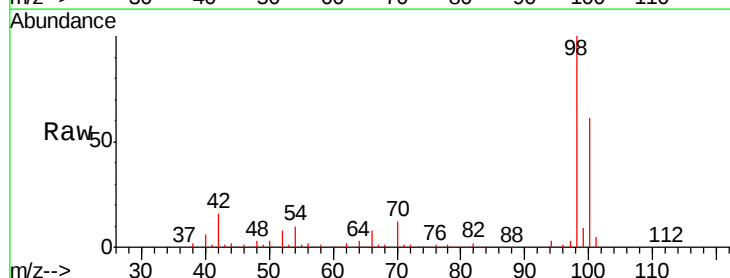
Acq: 19 Nov 2018 14:27

Tgt Ion: 98 Resp: 615170

Ion Ratio Lower Upper

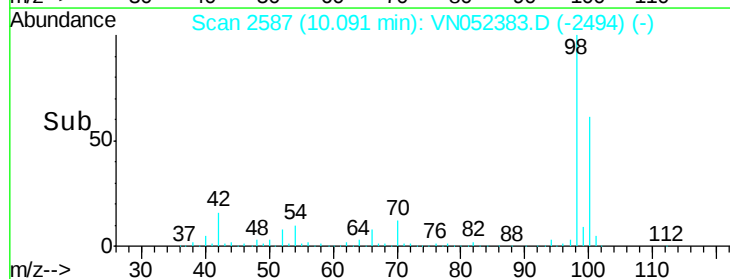
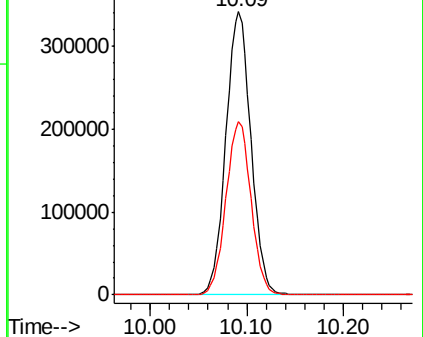
98 100

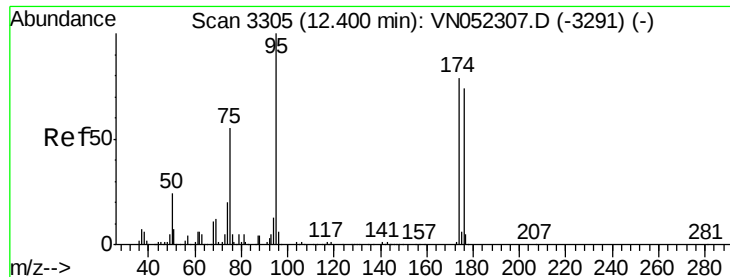
100 61.4 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

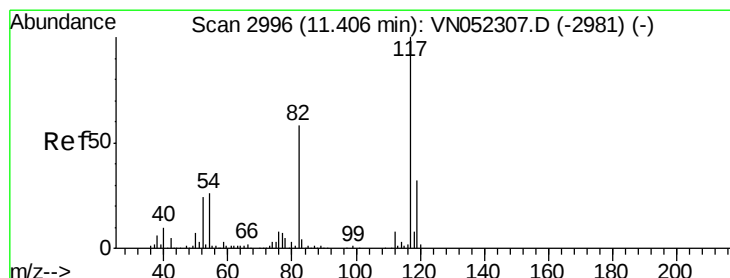
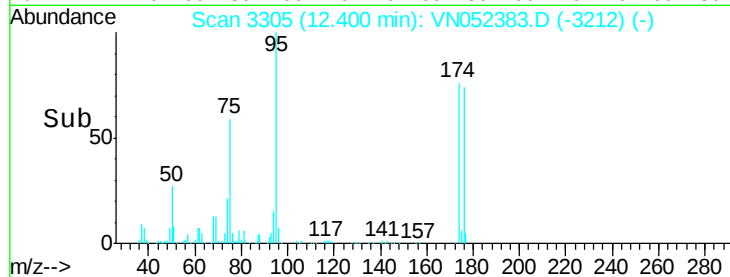
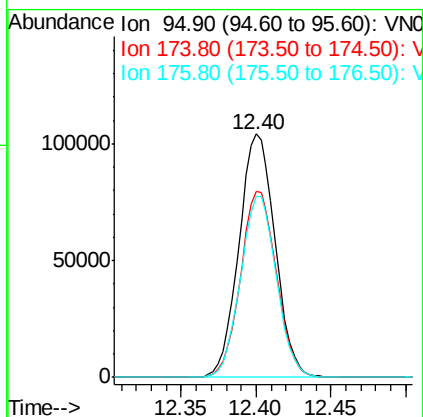
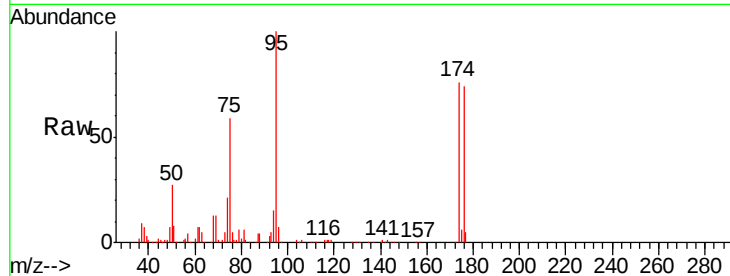




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052383.D
Acq: 19 Nov 2018 14:27

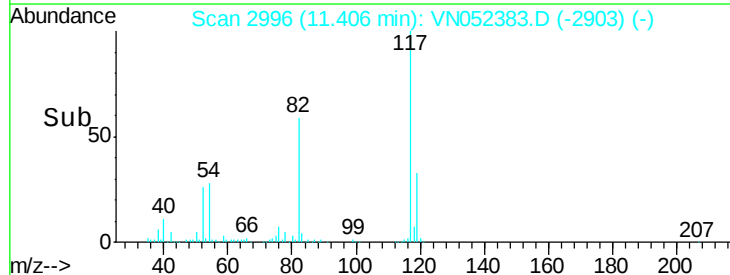
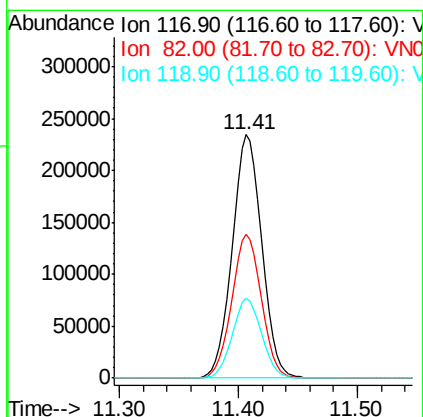
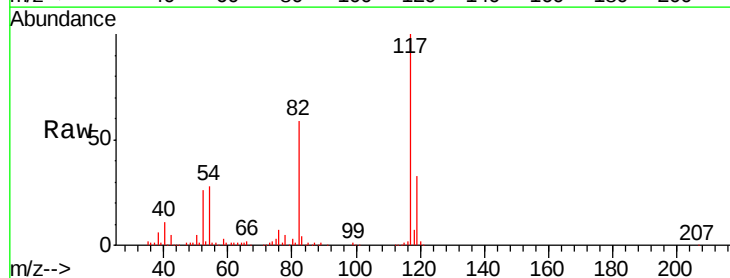
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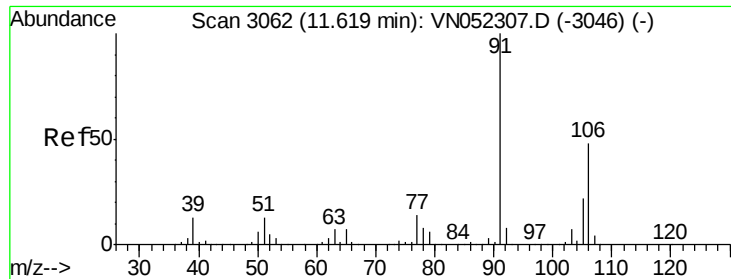
Tgt Ion: 95 Resp: 175115
Ion Ratio Lower Upper
95 100
174 76.0 0.0 156.0
176 74.2 0.0 148.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052383.D
Acq: 19 Nov 2018 14:27

Tgt Ion: 117 Resp: 403120
Ion Ratio Lower Upper
117 100
82 59.2 46.5 69.7
119 33.0 25.7 38.5

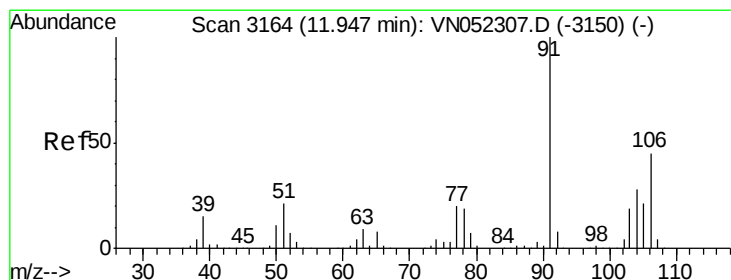
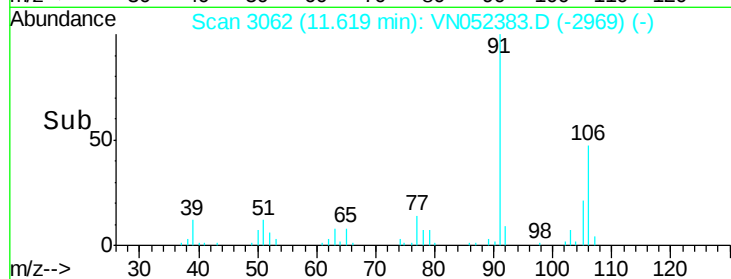
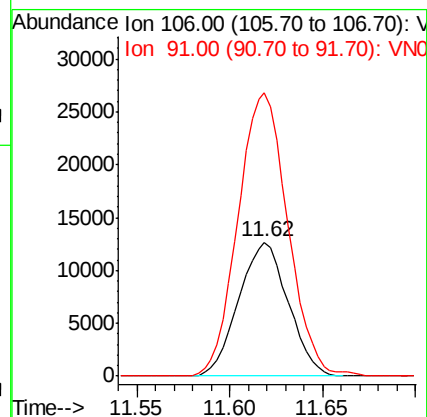
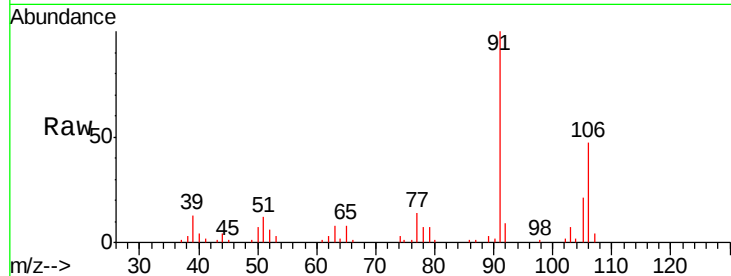




#68
m/p-Xylenes
Concen: 4.33 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052383.D
Acq: 19 Nov 2018 14:27

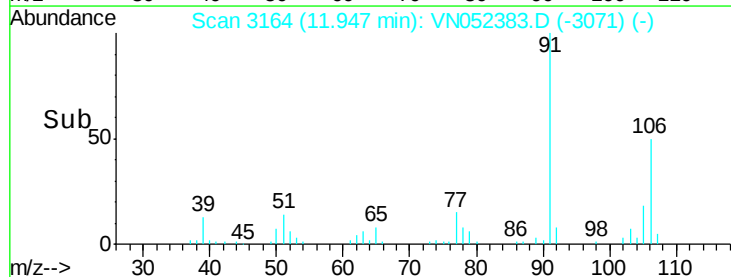
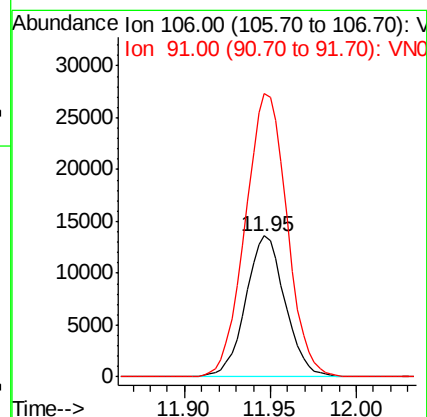
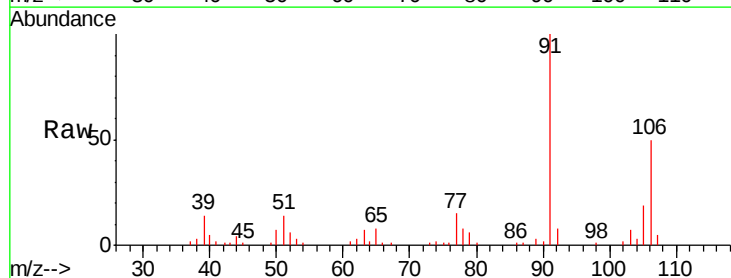
Instrument :
MSVOA_N
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SPLP-LEACHATE-AMENDED-WCC-

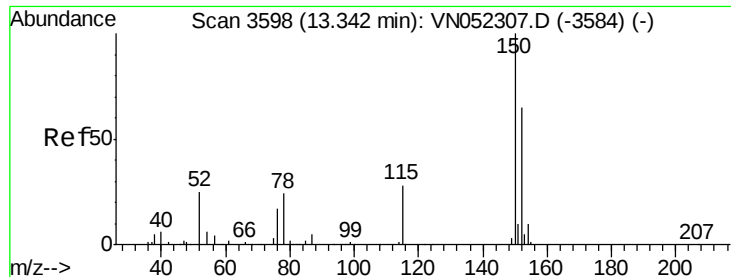
Tgt Ion:106 Resp: 23399
Ion Ratio Lower Upper
106 100
91 212.9 165.5 248.3



#69
o-Xylene
Concen: 4.17 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052383.D
Acq: 19 Nov 2018 14:27

Tgt Ion:106 Resp: 21624
Ion Ratio Lower Upper
106 100
91 213.0 110.0 330.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052383.D

Acq: 19 Nov 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

SPLP-LEACHATE-AMENDED-WCC-

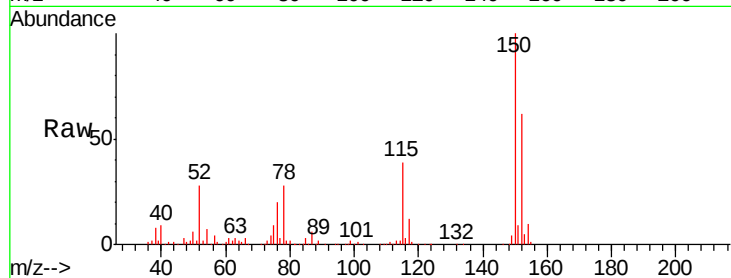
Tgt Ion:152 Resp: 140621

Ion Ratio Lower Upper

152 100

115 62.3 30.3 91.0

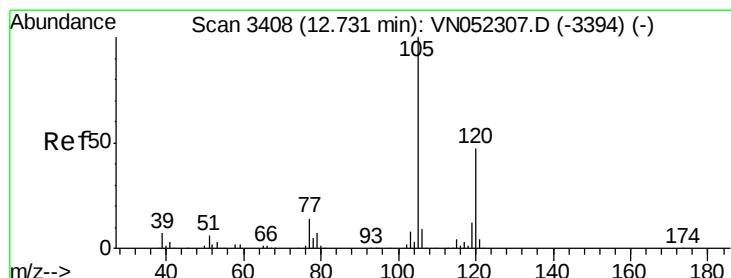
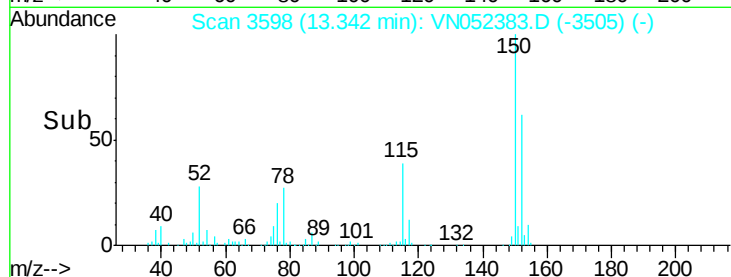
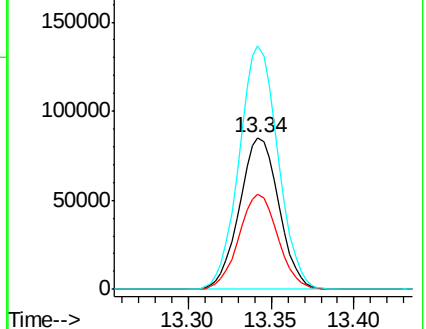
150 158.5 0.0 348.2



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: 1.23 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052383.D

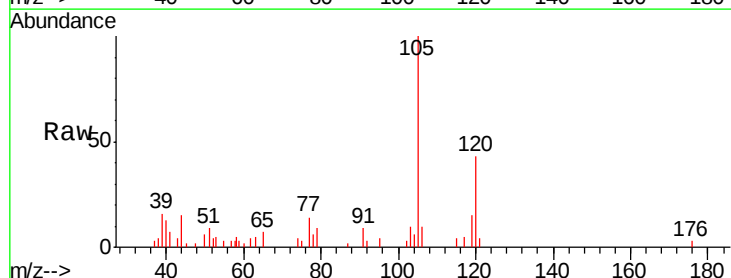
Acq: 19 Nov 2018 14:27

Tgt Ion:105 Resp: 11101

Ion Ratio Lower Upper

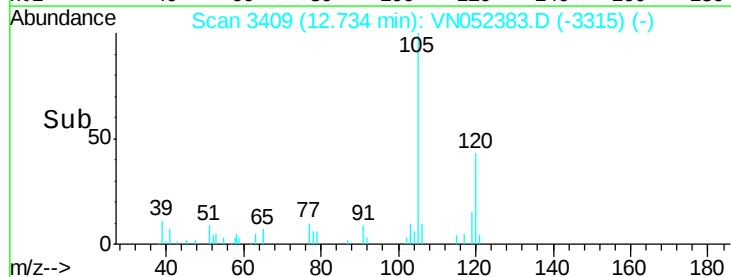
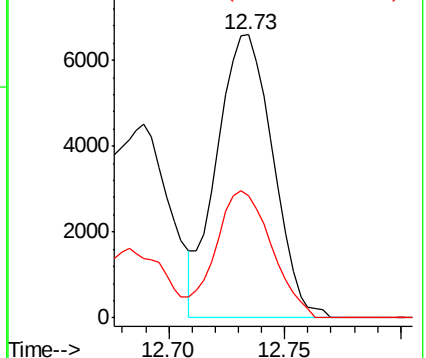
105 100

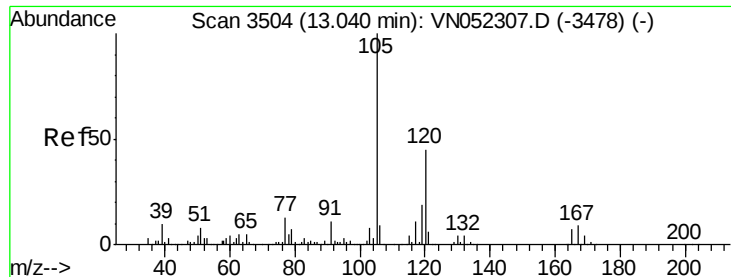
120 44.4 23.7 71.1



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: 2.51 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN052383.D

Acq: 19 Nov 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

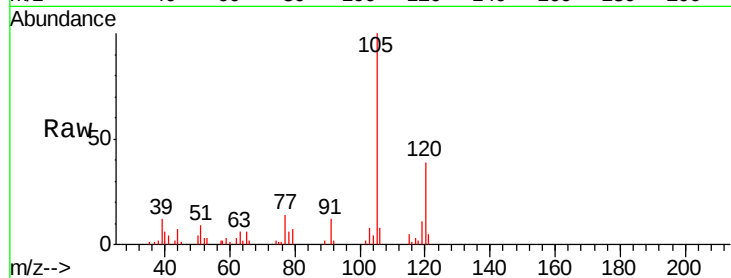
SPLP-LEACHATE-AMENDED-WCC-

Tgt Ion:105 Resp: 22630

Ion Ratio Lower Upper

105 100

120 42.2 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

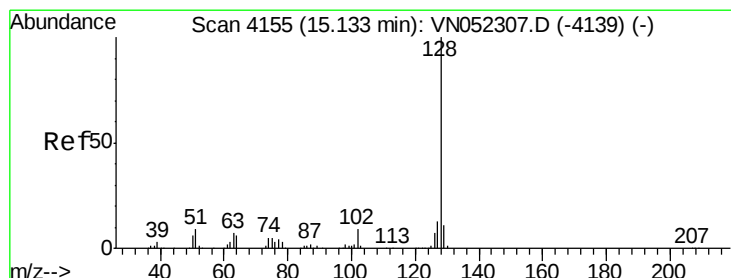
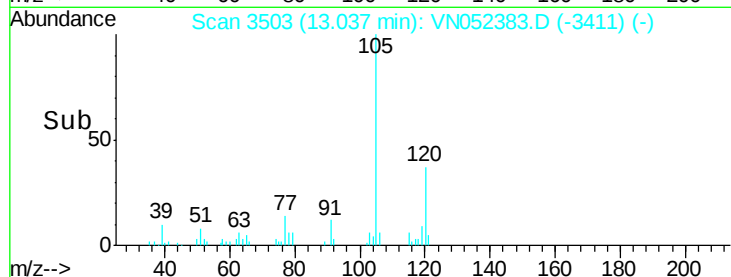
15000

10000

5000

0

Time-->



#95

Naphthalene

Concen: 3.36 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052383.D

Acq: 19 Nov 2018 14:27

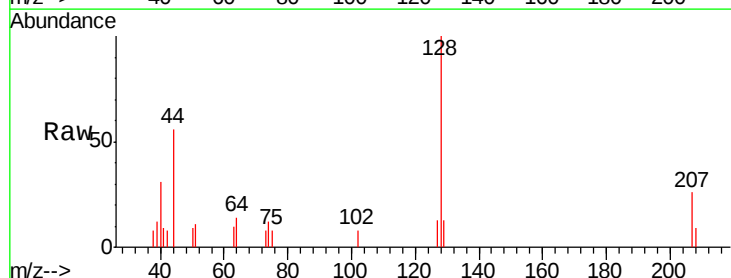
Tgt Ion:128 Resp: 3959

Ion Ratio Lower Upper

128 100

127 6.8 10.4 15.6#

129 8.6 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

3000

2500

2000

1500

1000

500

0

Time-->

