

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020419\
 Data File : VN053603.D
 Acq On : 4 Feb 2019 18:10
 Operator : JC/SP
 Sample : K1299-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SPLP-LEACH-AMND-COMP-1

Quant Time: Feb 05 01:29:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	832536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1316556	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1161983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	507837	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	421054	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
35) Dibromofluoromethane	7.59	113	377026	45.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.64%	
50) Toluene-d8	10.09	98	1564509	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.40	95	519417	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	

Target Compounds

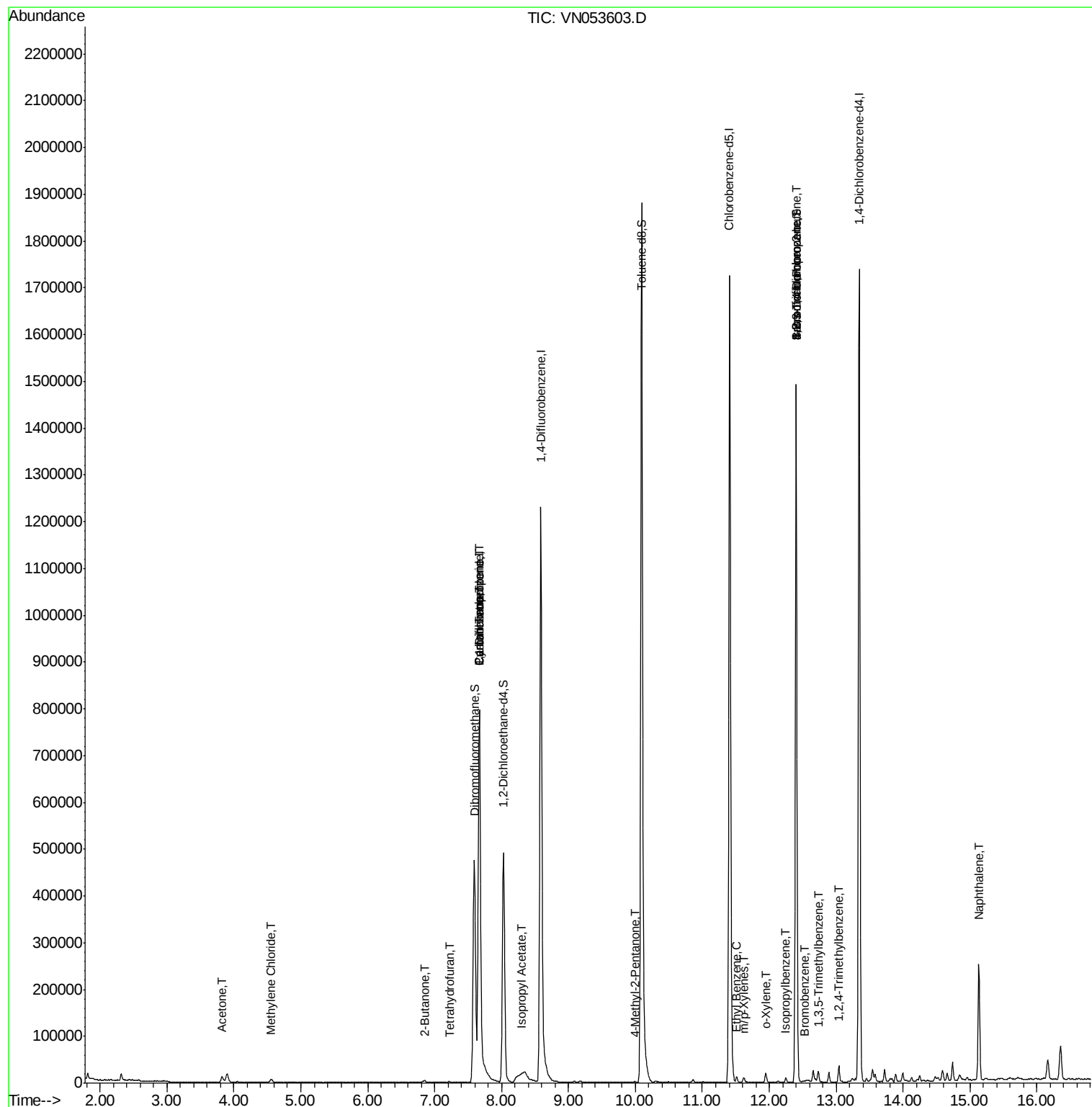
						Qvalue
16) Acetone	3.82	43	21176	9.885	ug/l	96
20) Methylene Chloride	4.55	84	5212	0.580	ug/l	94
25) 2-Butanone	6.86	43	4998	1.636	ug/l	97
29) Tetrahydrofuran	7.22	42	1682	0.857	ug/l #	58
31) Cyclohexane	7.67	56	12324	0.706	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	48362	4.075	ug/l #	49
38) Carbon Tetrachloride	7.67	117	65761	5.500	ug/l #	16
43) Isopropyl Acetate	8.28	43	27094	2.117	ug/l #	51
51) 4-Methyl-2-Pentanone	9.99	43	1383	0.220	ug/l	92
67) Ethyl Benzene	11.51	91	9784	0.241	ug/l	95
68) m/p-Xylenes	11.62	106	3967	0.256	ug/l	96
69) o-Xylene	11.95	106	5723	0.383	ug/l	97
71) Bromoform	12.40	173	3230	0.547	ug/l #	1
73) Isopropylbenzene	12.25	105	7235	0.203	ug/l	97
76) 1,2,3-Trichloropropane	12.40	75	240073	36.805	ug/l #	100
77) Bromobenzene	12.53	156	2154	0.224	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.73	105	10469	0.354	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	240073	103.492	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	21031	0.697	ug/l	99
95) Naphthalene	15.13	128	222172	11.350	ug/l	100

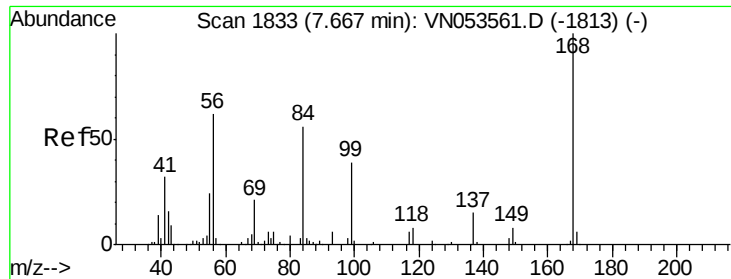
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Feb 01 09:11:52 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053603.D

Acq: 4 Feb 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

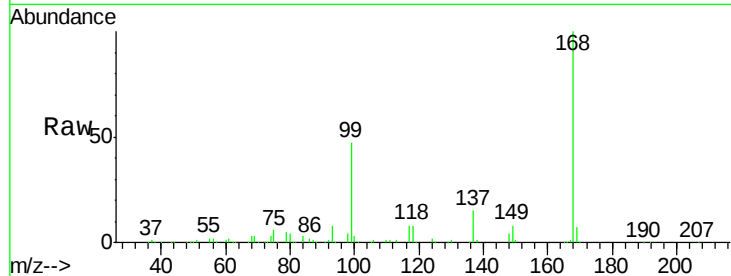
SPLP-LEACH-AMND-COMP-1

Tot Ion:168 Resp: 832536

Ion Ratio Lower Upper

168 100

99 47.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

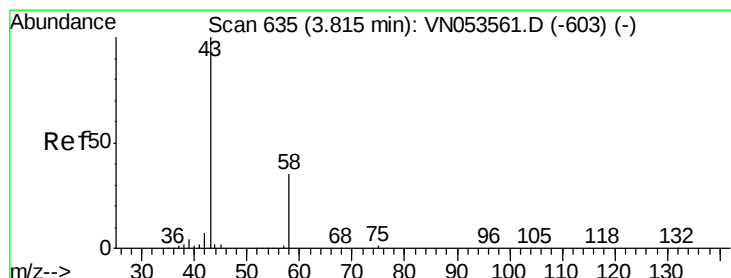
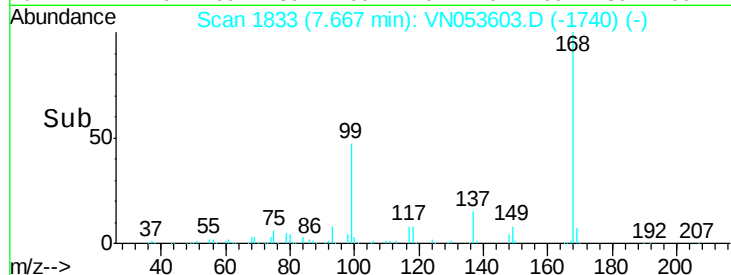
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 9.885 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053603.D

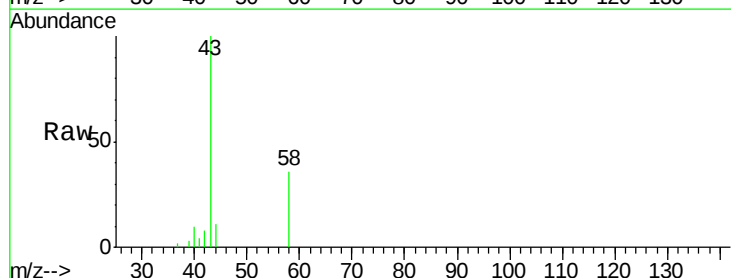
Acq: 4 Feb 2019 18:10

Tgt Ion: 43 Resp: 21176

Ion Ratio Lower Upper

43 100

58 36.3 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

8000

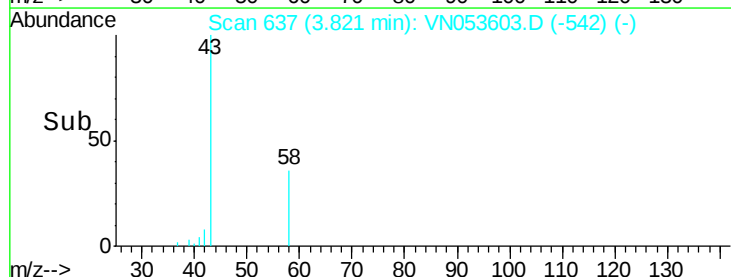
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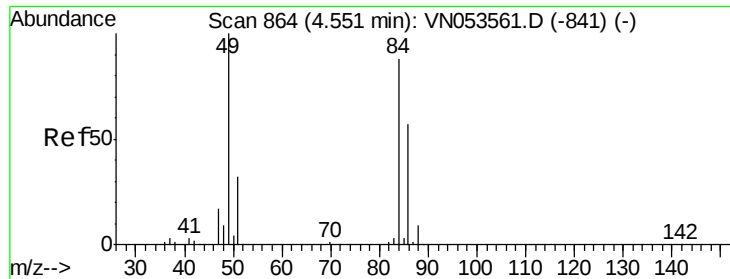
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2000

0

Time-->



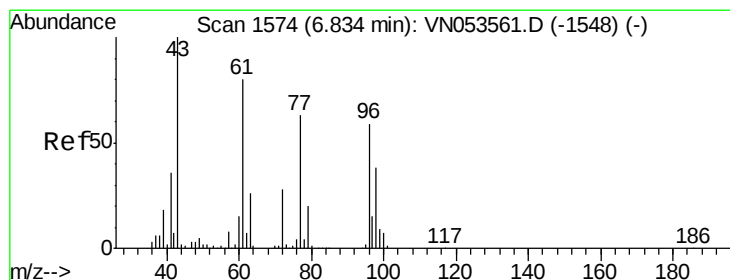
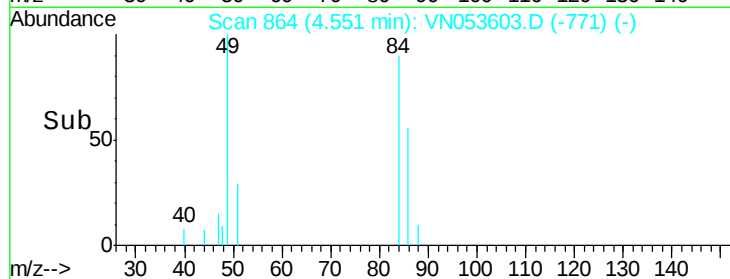
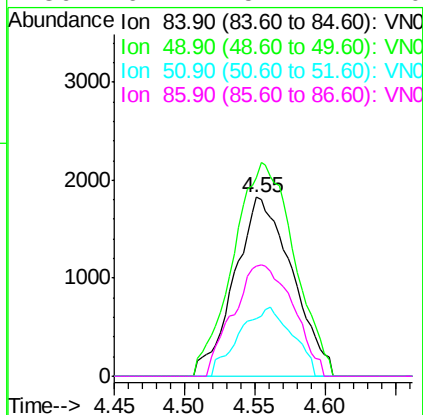
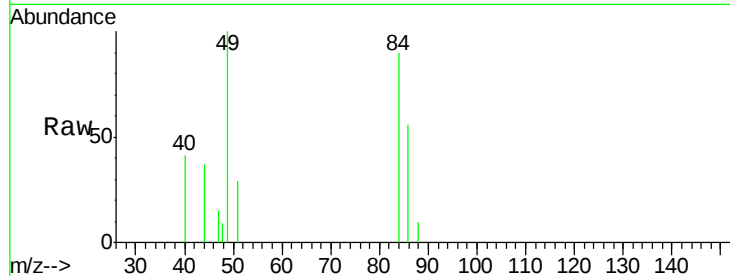


#20
Methvlene Chloride
Concen: 0.580 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053603.D
Acq: 4 Feb 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
SPLP-LEACH-AMND-COMP-1

Tot Ion: 84 Resp: 5212

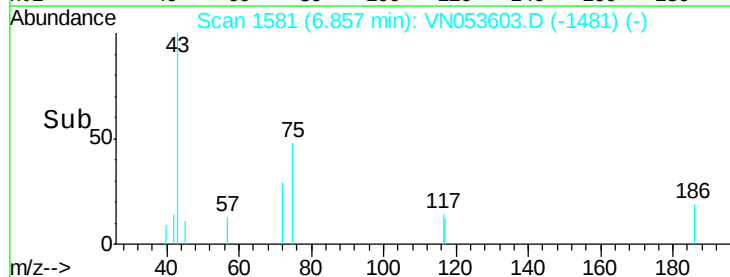
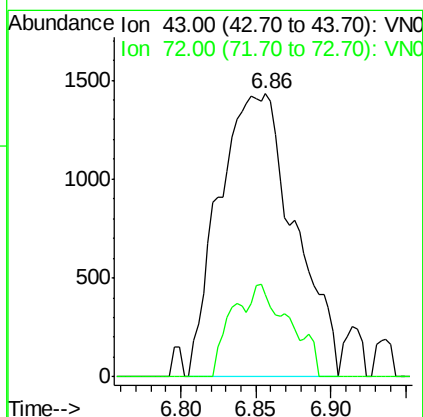
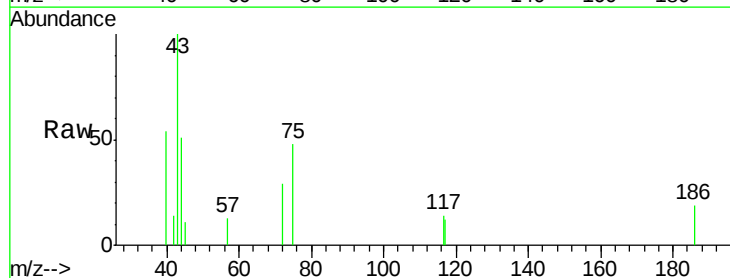
Ion	Ratio	Lower	Upper
84	100		
49	110.8	94.3	141.5
51	32.3	29.4	44.2
86	61.7	51.4	77.0

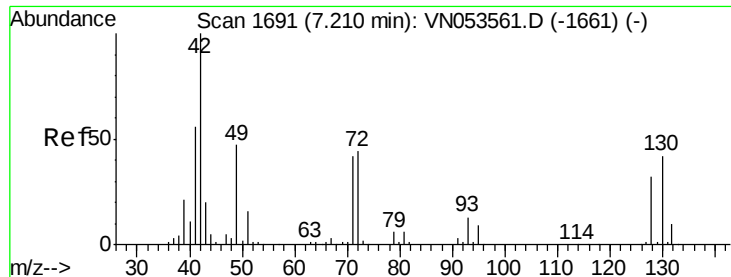


#25
2-Butanone
Concen: 1.636 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.02 min
Lab File: VN053603.D
Acq: 4 Feb 2019 18:10

Tgt Ion: 43 Resp: 4998

Ion	Ratio	Lower	Upper
43	100		
72	29.2	22.0	33.0

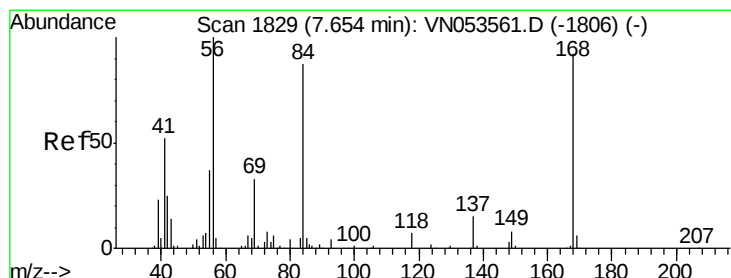
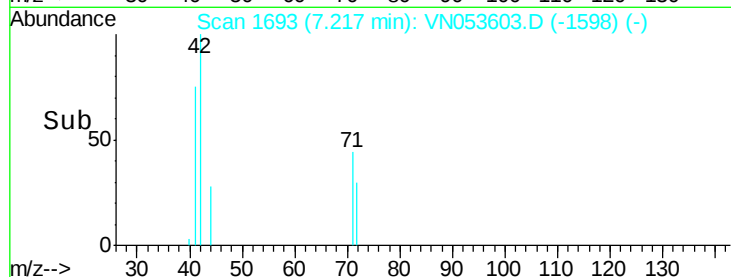
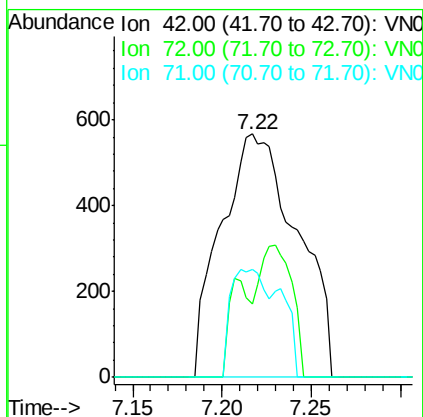
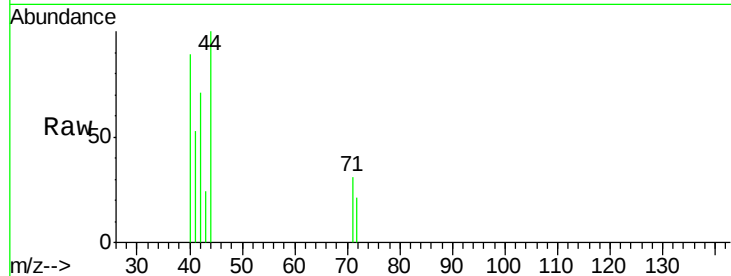




#29
Tetrahydrofuran
Concen: 0.857 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN053603.D
Acq: 4 Feb 2019 18:10

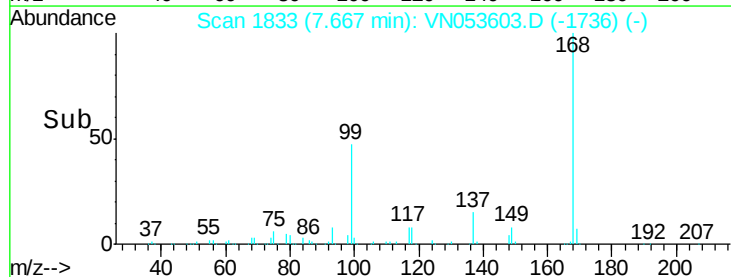
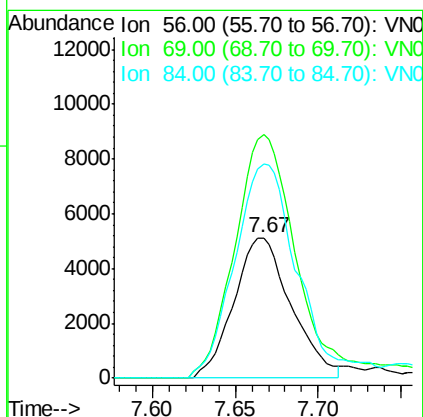
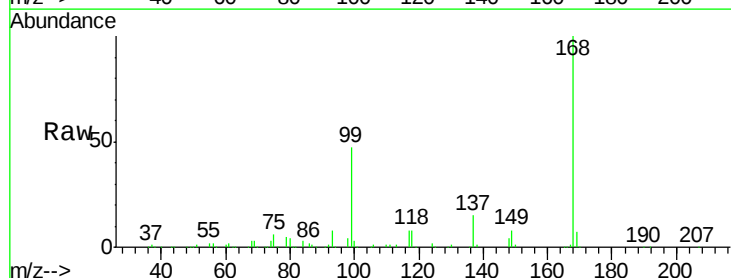
Instrument :
MSVOA_N
ClientSampleId :
SPLP-LEACH-AMND-COMP-1

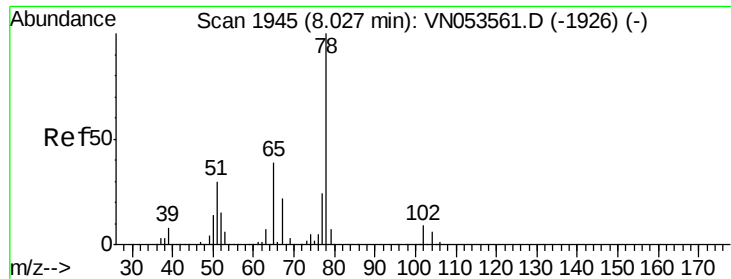
Tot Ion: 42 Resp: 1682
Ion Ratio Lower Upper
42 100
72 11.3 35.2 52.8#
71 20.6 33.0 49.4#



#31
Cyclohexane
Concen: 0.706 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN053603.D
Acq: 4 Feb 2019 18:10

Tgt Ion: 56 Resp: 12324
Ion Ratio Lower Upper
56 100
69 173.9 26.4 39.6#
84 153.2 67.9 101.9#

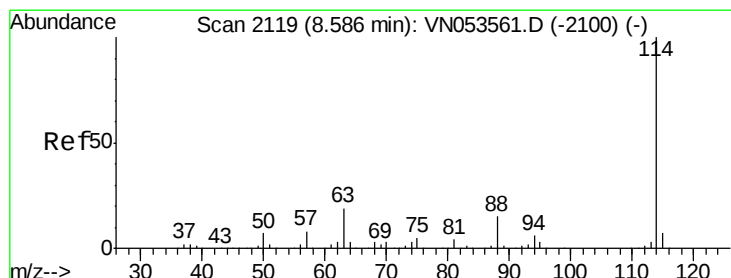
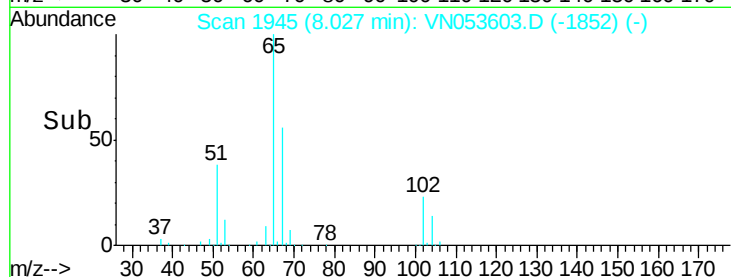
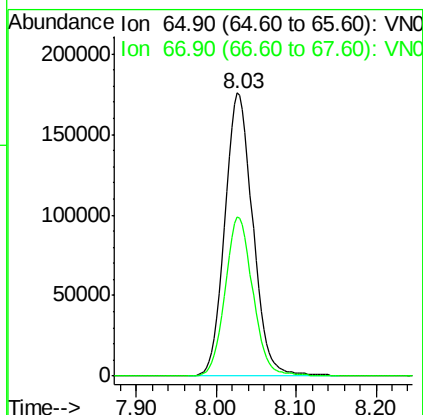
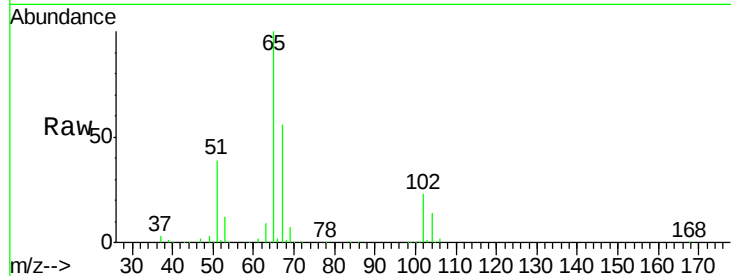




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053603.D
 Acq: 4 Feb 2019 18:10

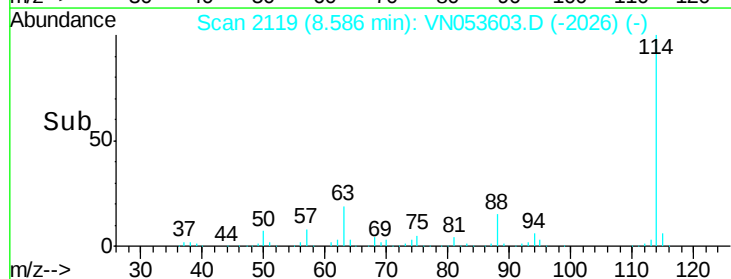
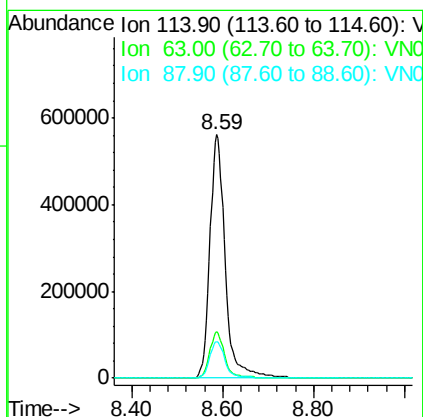
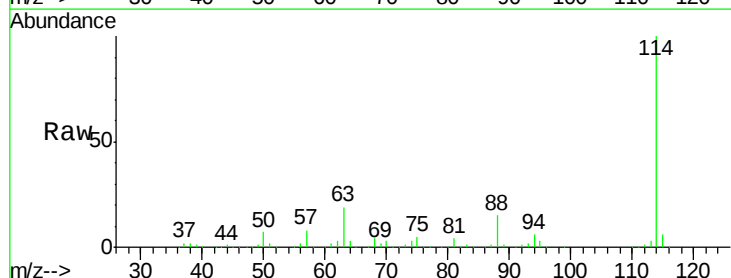
Instrument :
 MSVOA_N
 ClientSampleId :
 SPLP-LEACH-AMND-COMP-1

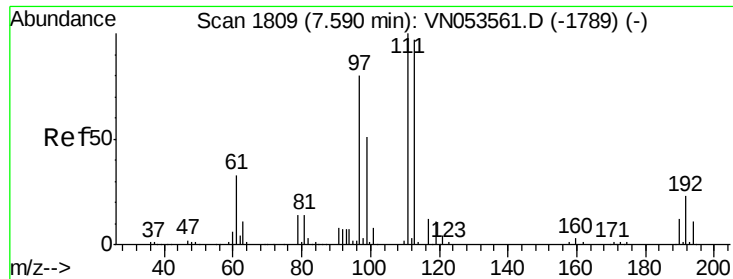
Tot Ion: 65 Resp: 421054
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053603.D
 Acq: 4 Feb 2019 18:10

Tgt Ion: 114 Resp: 1316556
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.6
 88 15.1 0.0 30.4

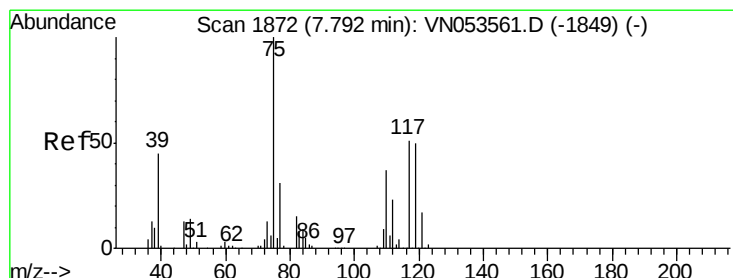
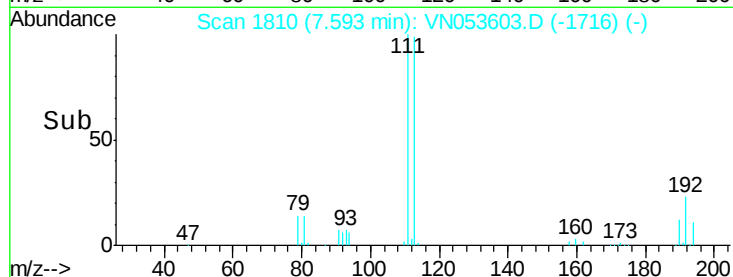
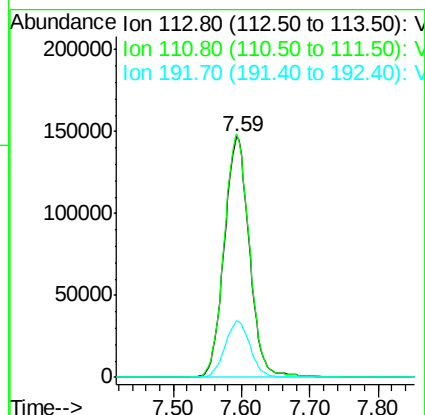
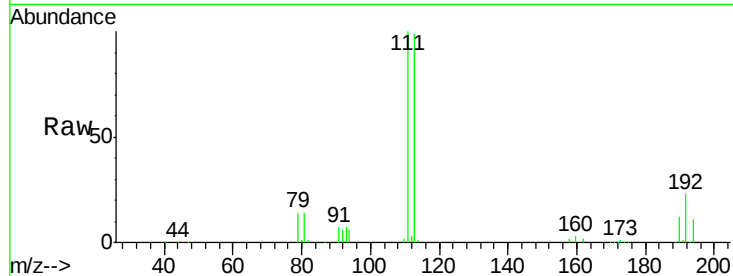




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053603.D
 Acq: 4 Feb 2019 18:10

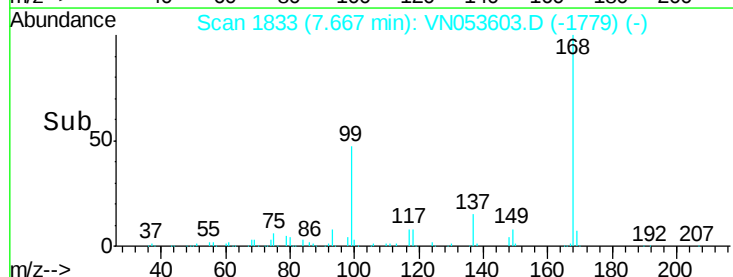
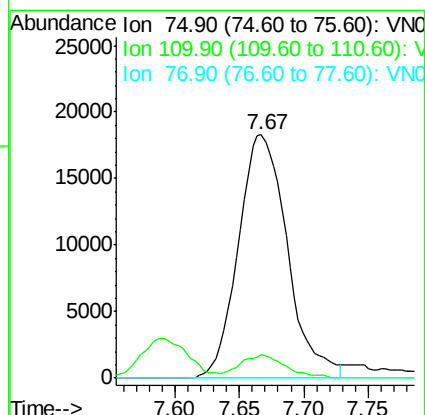
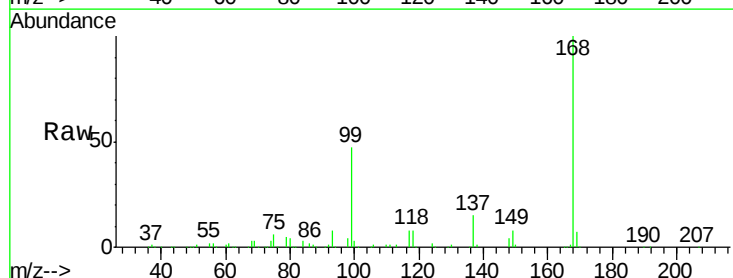
Instrument :
 MSVOA_N
 ClientSampleId :
 SPLP-LEACH-AMND-COMP-1

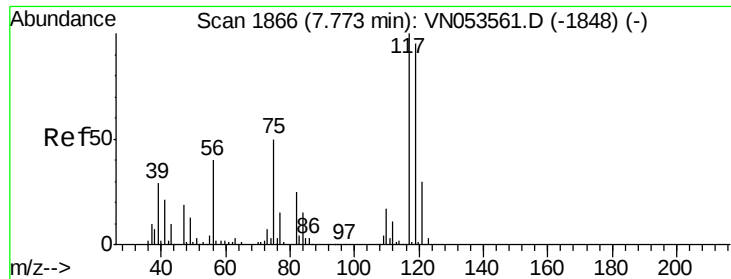
Tot Ion:113 Resp: 377026
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.1 121.7
 192 23.2 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 4.075 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053603.D
 Acq: 4 Feb 2019 18:10

Tgt Ion: 75 Resp: 48362
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.1 54.3#
 77 0.0 25.1 37.7#

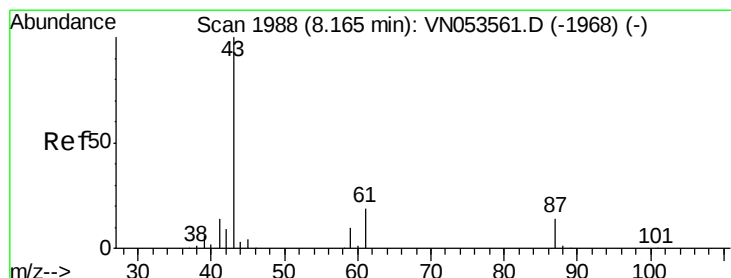
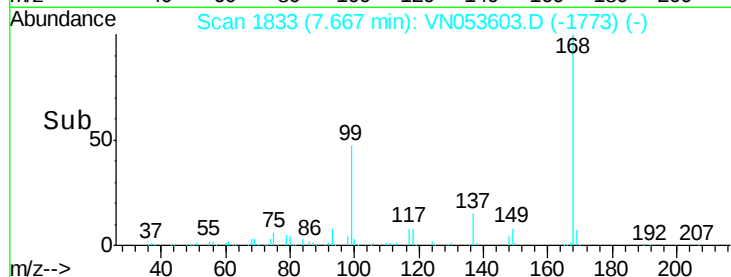
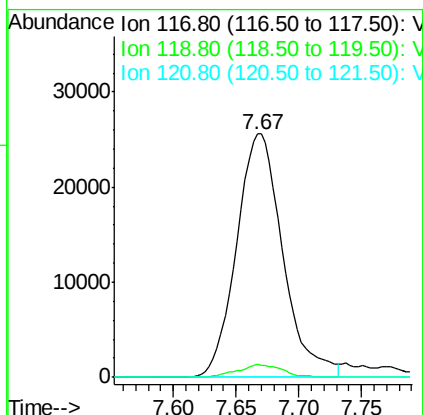
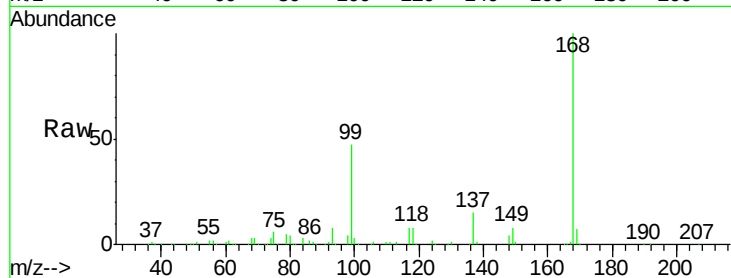




#38
Carbon Tetrachloride
Concen: 5.500 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN053603.D
Acq: 4 Feb 2019 18:10

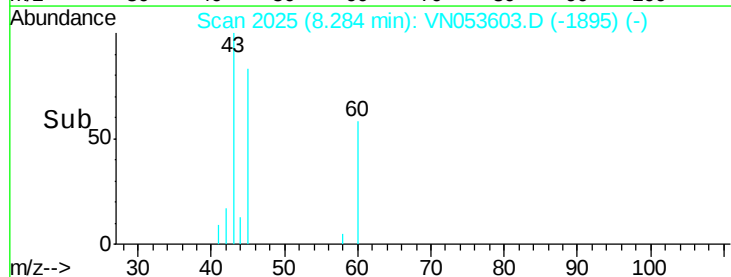
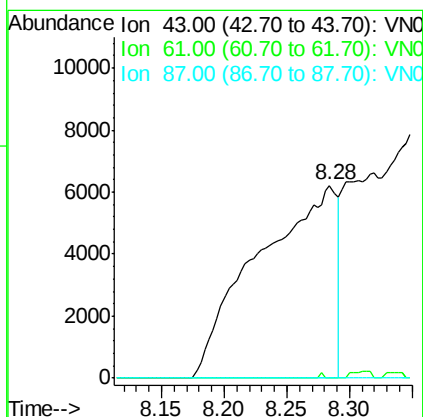
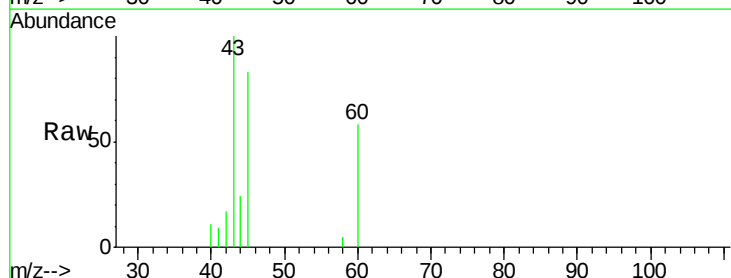
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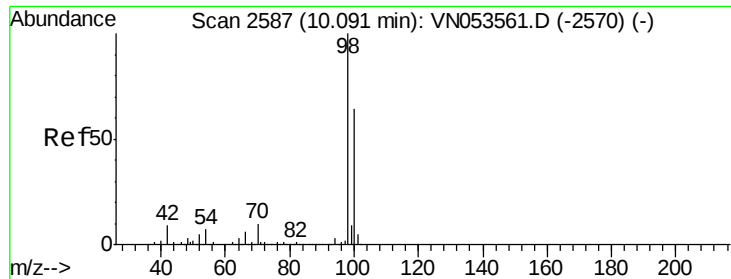
Tot Ion:117 Resp: 65761
Ion Ratio Lower Upper
117 100
119 5.4 77.2 115.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 2.117 ug/l
RT: 8.28 min Scan# 2025
Delta R.T. 0.12 min
Lab File: VN053603.D
Acq: 4 Feb 2019 18:10

Tgt Ion: 43 Resp: 27094
Ion Ratio Lower Upper
43 100
61 0.0 23.9 35.9#
87 0.0 11.0 16.6#

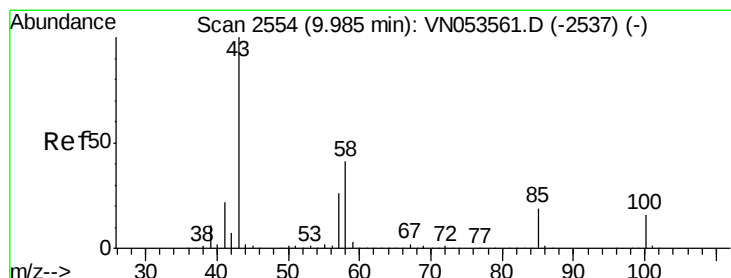
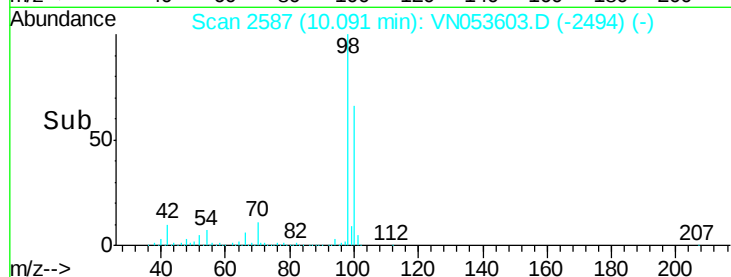
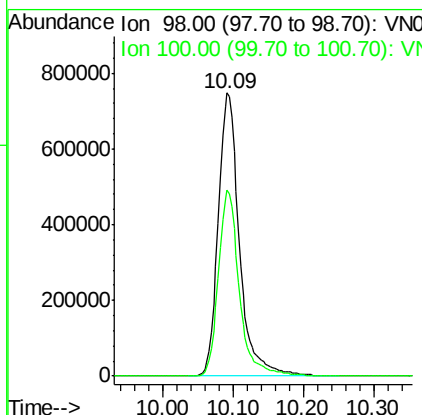
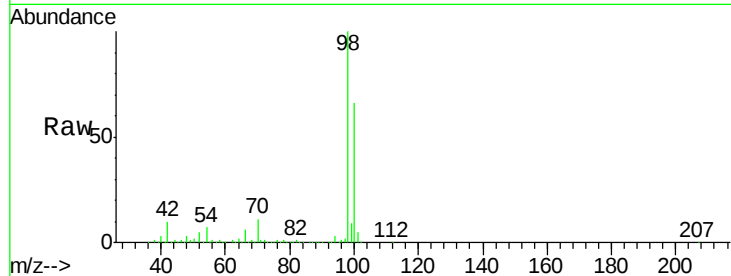




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053603.D
Acq: 4 Feb 2019 18:10

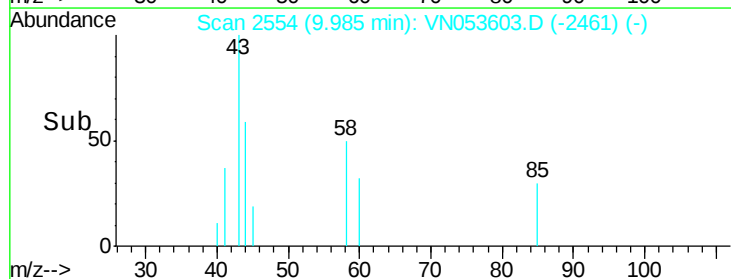
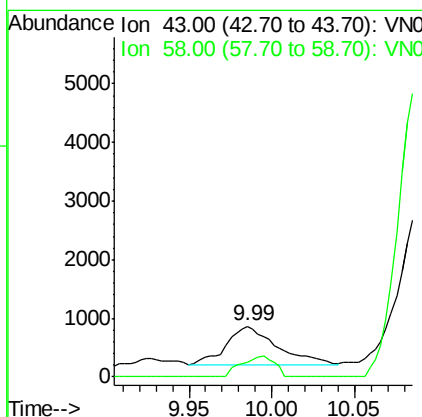
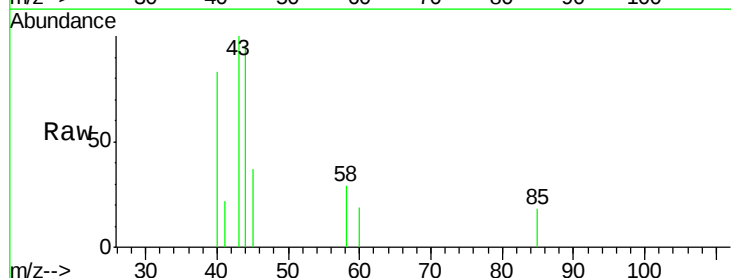
Instrument :
MSVOA_N
ClientSampleId :
SPLP-LEACH-AMND-COMP-1

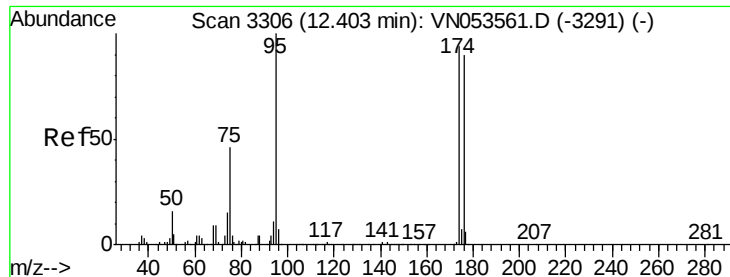
Tot Ion: 98 Resp: 1564509
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.220 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053603.D
Acq: 4 Feb 2019 18:10

Tgt Ion: 43 Resp: 1383
Ion Ratio Lower Upper
43 100
58 35.8 32.8 49.2





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053603.D

Acq: 4 Feb 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

SPLP-LEACH-AMND-COMP-1

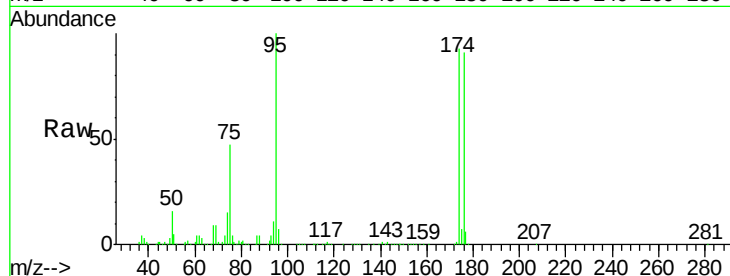
Tot Ion: 95 Resp: 519417

Ion Ratio Lower Upper

95 100

174 92.2 0.0 183.2

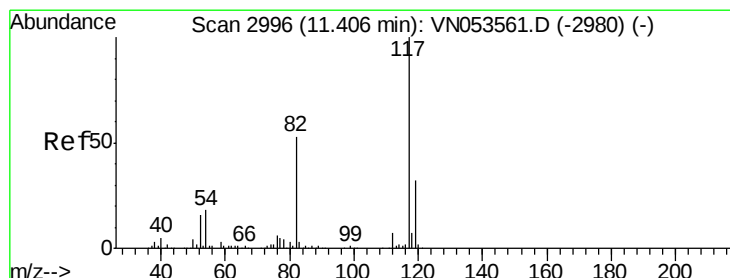
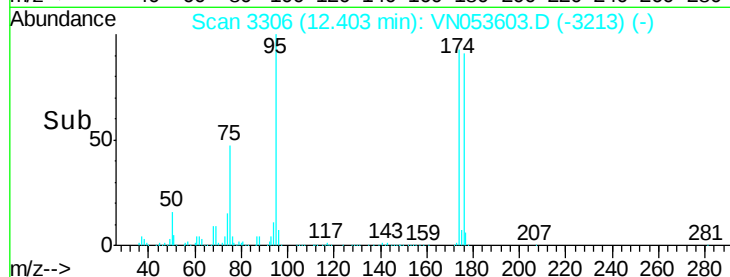
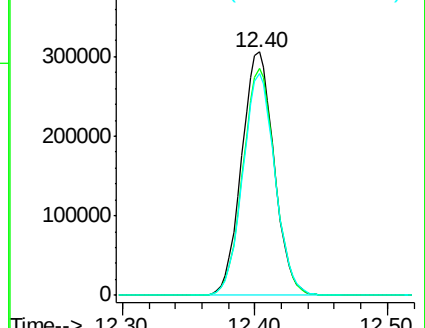
176 90.5 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053561.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053561.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053561.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053603.D

Acq: 4 Feb 2019 18:10

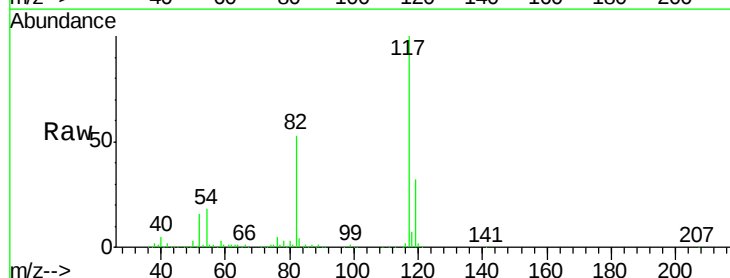
Tgt Ion: 117 Resp: 1161983

Ion Ratio Lower Upper

117 100

82 52.7 42.9 64.3

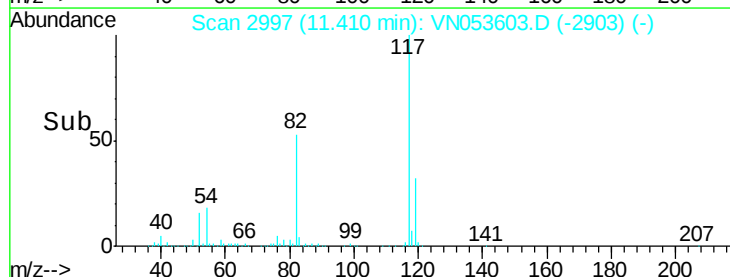
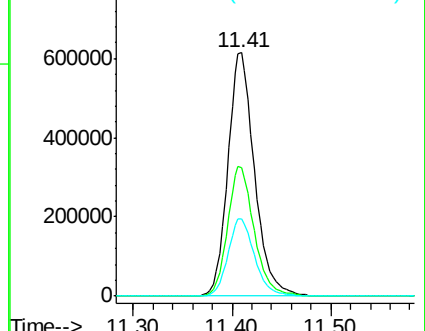
119 32.0 26.0 39.0

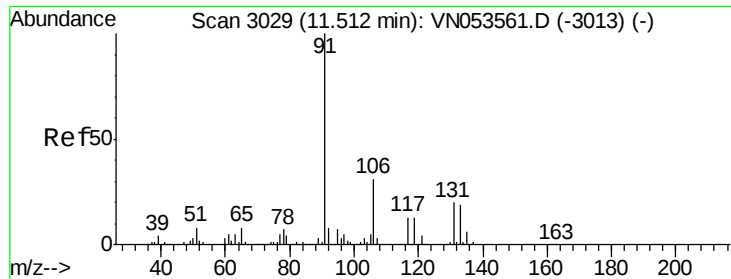


Abundance Ion 116.90 (116.60 to 117.60): VN053561.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053561.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053561.D (-2980) (-)

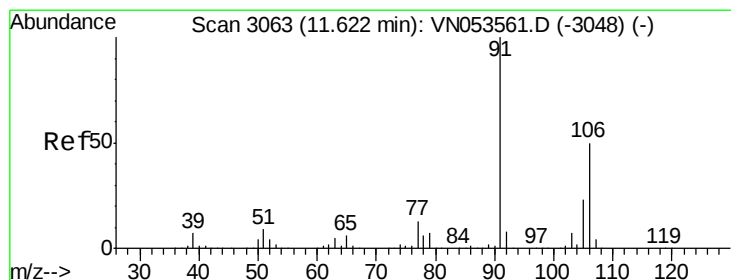
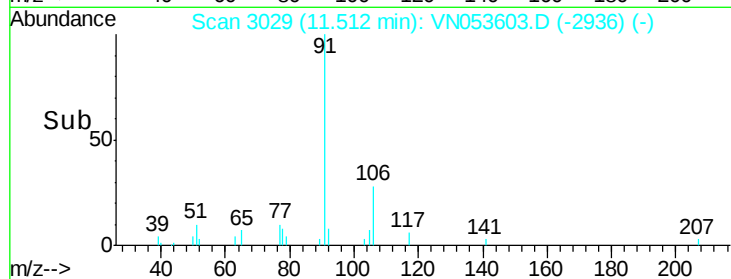
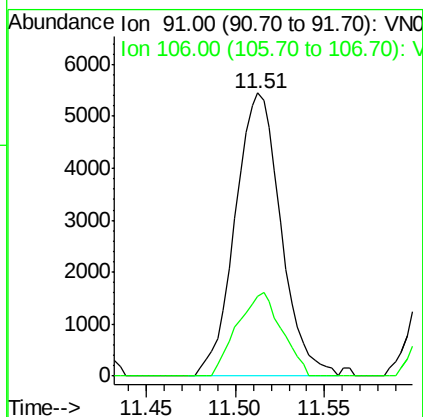
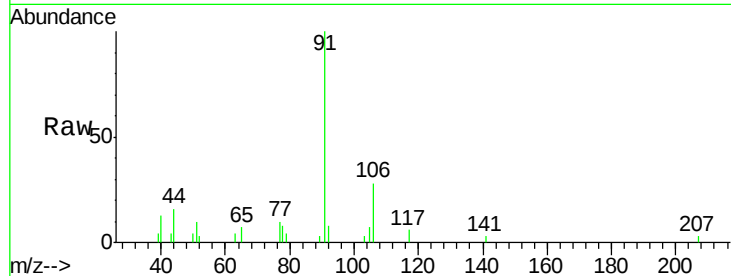




#67
Ethyl Benzene
Concen: 0.241 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053603.D
Acq: 4 Feb 2019 18:10

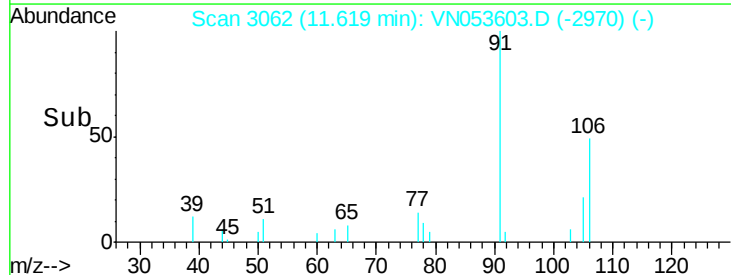
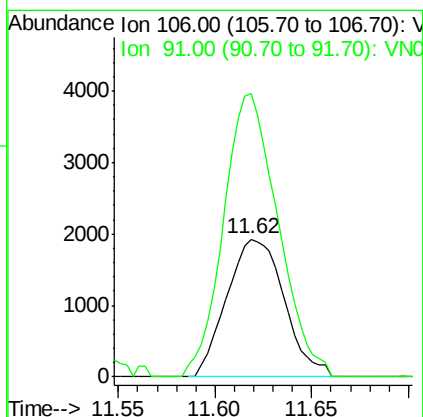
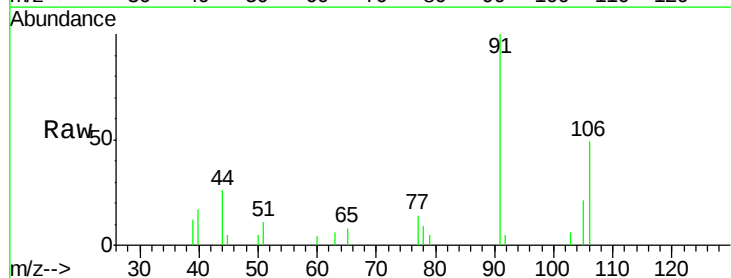
Instrument :
MSVOA_N
ClientSampleId :
SPLP-LEACH-AMND-COMP-1

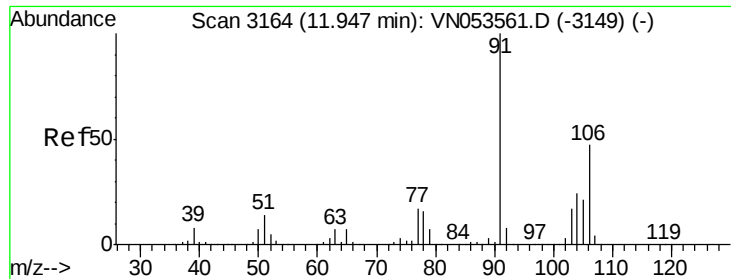
Tot Ion: 91 Resp: 9784
Ion Ratio Lower Upper
91 100
106 28.4 25.0 37.6



#68
m/p-Xylenes
Concen: 0.256 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053603.D
Acq: 4 Feb 2019 18:10

Tgt Ion: 106 Resp: 3967
Ion Ratio Lower Upper
106 100
91 195.4 161.4 242.2

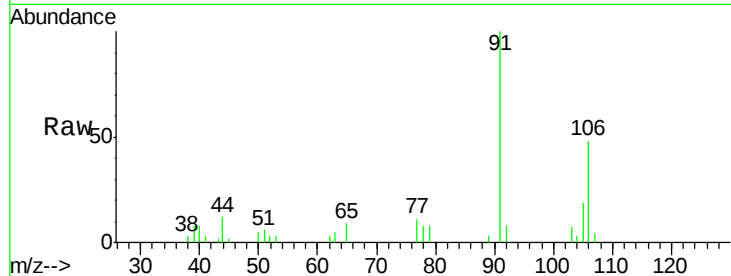




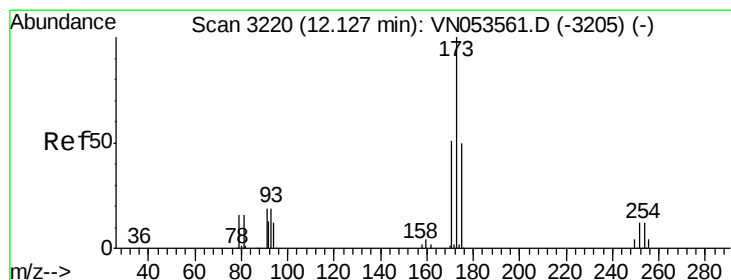
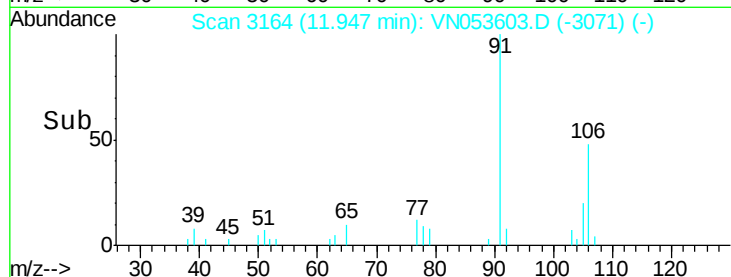
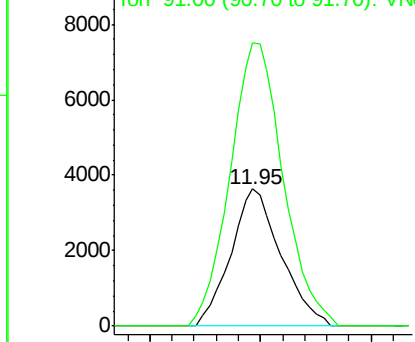
#69
o-Xylene
Concen: 0.383 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053603.D
Acq: 4 Feb 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
SPLP-LEACH-AMND-COMP-1

Tot Ion:106 Resp: 5723
Ion Ratio Lower Upper
106 100
91 218.5 106.9 320.8

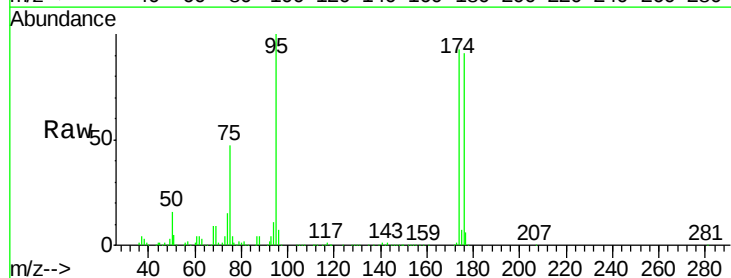


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

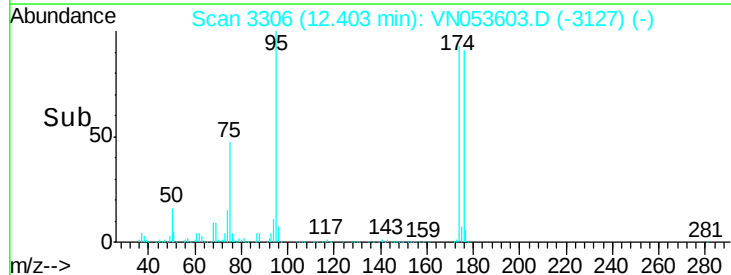
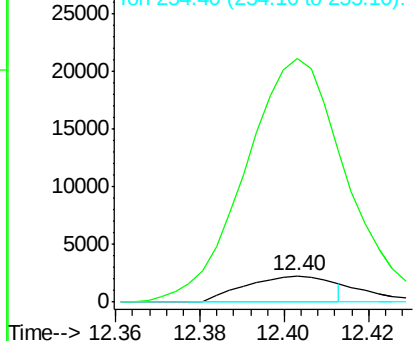


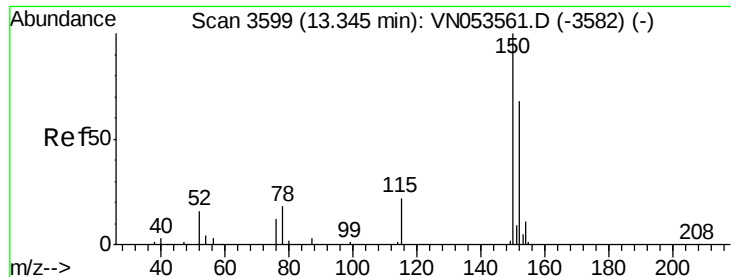
#71
Bromoform
Concen: 0.547 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053603.D
Acq: 4 Feb 2019 18:10

Tgt Ion:173 Resp: 3230
Ion Ratio Lower Upper
173 100
175 917.3 24.6 74.0#
254 0.0 0.2 0.2#



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: VN053603.D

Acq: 4 Feb 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

SPLP-LEACH-AMND-COMP-1

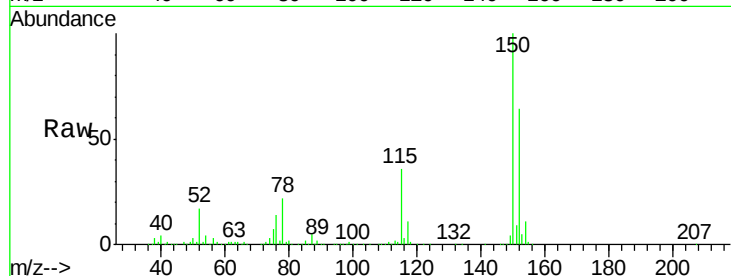
Tot Ion:152 Resp: 507837

Ion Ratio Lower Upper

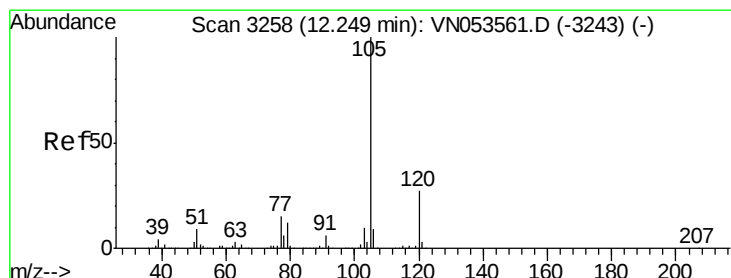
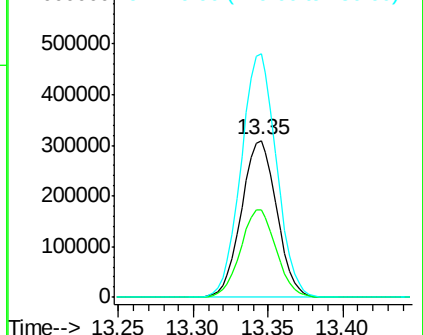
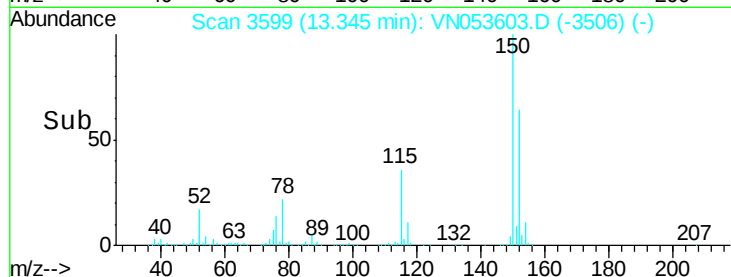
152 100

115 56.0 27.8 83.4

150 156.0 0.0 349.0



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



#73

Isopropylbenzene

Concen: 0.203 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053603.D

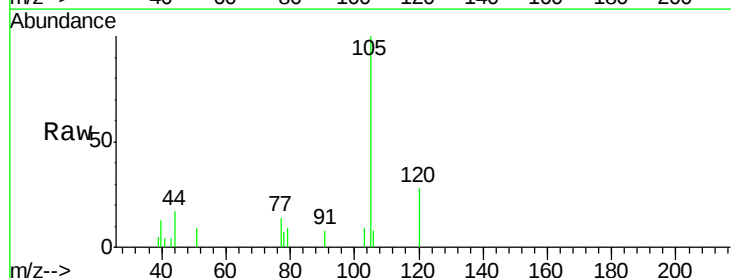
Acq: 4 Feb 2019 18:10

Tgt Ion:105 Resp: 7235

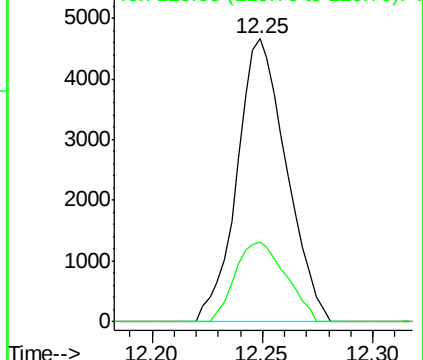
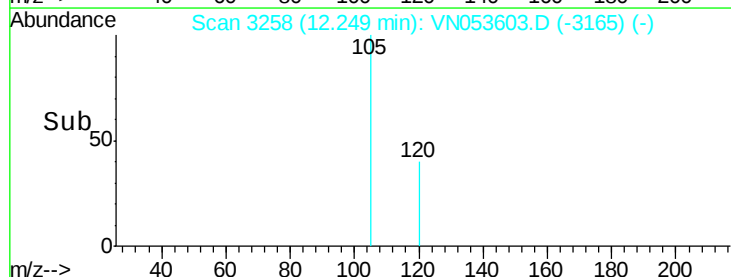
Ion Ratio Lower Upper

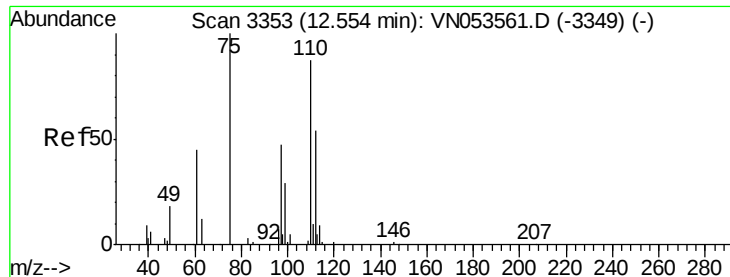
105 100

120 28.8 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 36.805 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053603.D

Acq: 4 Feb 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

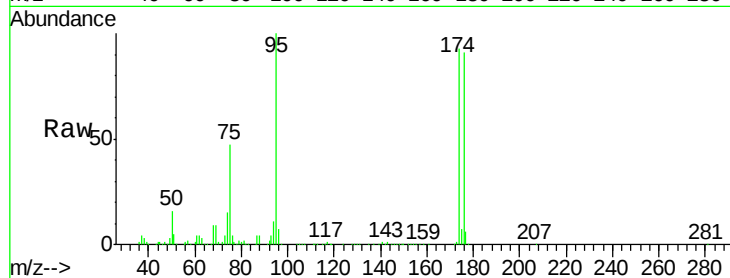
SPLP-LEACH-AMND-COMP-1

Tot Ion: 75 Resp: 240073

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

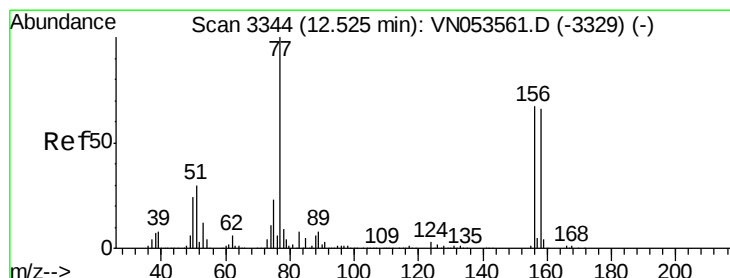
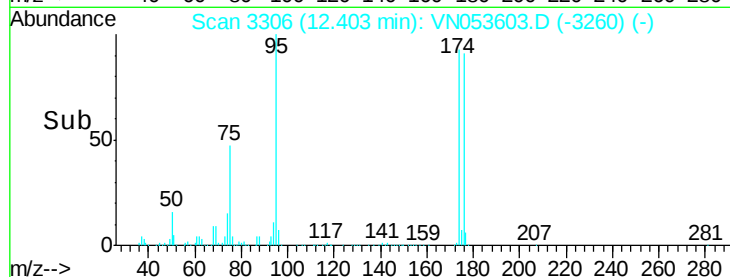
150000

100000

50000

0

Time-->



#77

Bromobenzene

Concen: 0.224 ug/l

RT: 12.53 min Scan# 3347

Delta R.T. 0.01 min

Lab File: VN053603.D

Acq: 4 Feb 2019 18:10

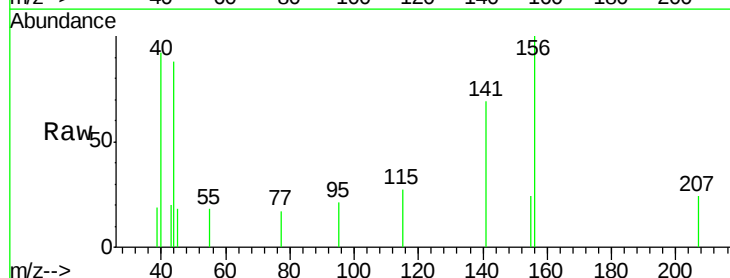
Tgt Ion: 156 Resp: 2154

Ion Ratio Lower Upper

156 100

77 16.1 87.9 263.8#

158 0.0 48.8 146.4#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

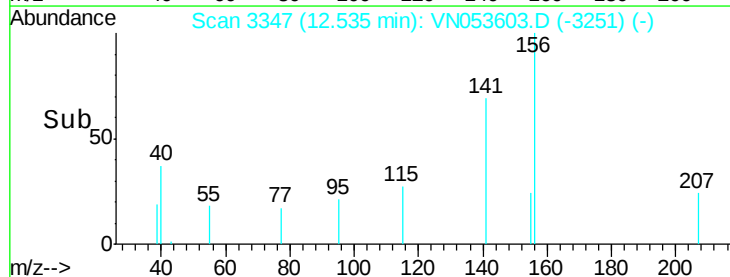
1500

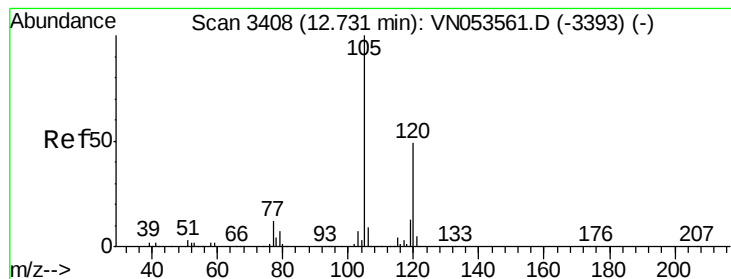
1000

500

0

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 0.354 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053603.D

Acq: 4 Feb 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

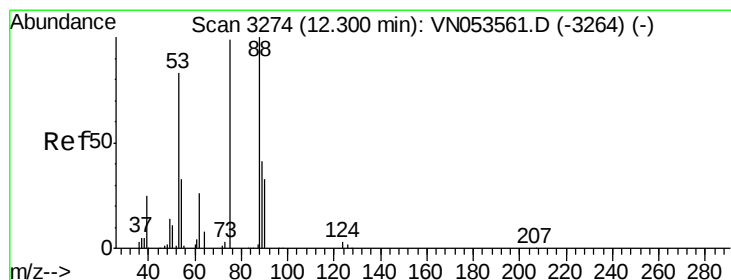
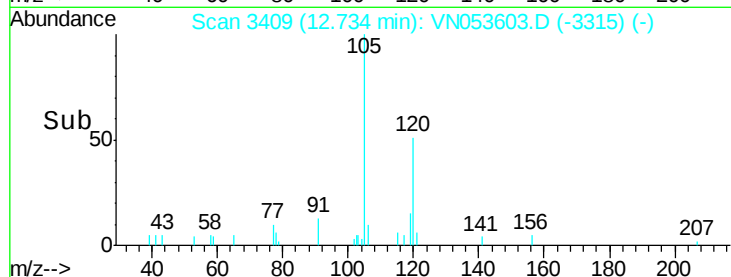
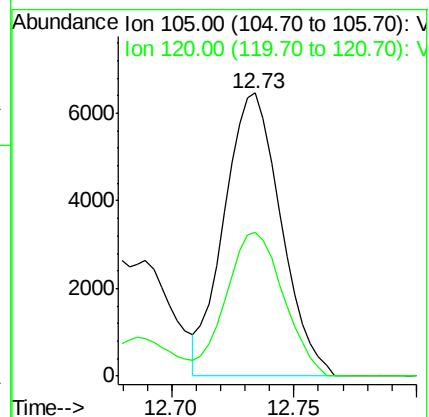
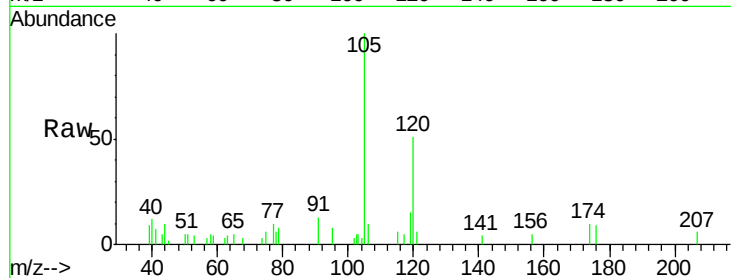
SPLP-LEACH-AMND-COMP-1

Tot Ion:105 Resp: 10469

Ion Ratio Lower Upper

105 100

120 51.1 24.9 74.6



#81

trans-1,4-Dichloro-2-butene

Concen: 103.492 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053603.D

Acq: 4 Feb 2019 18:10

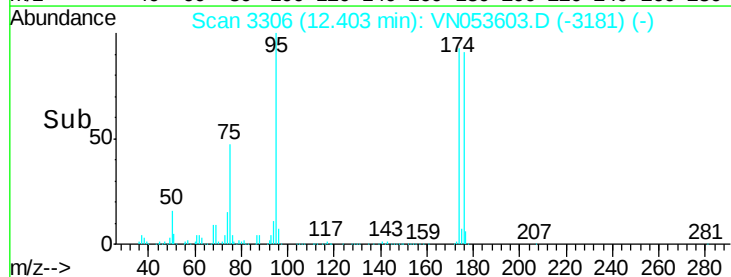
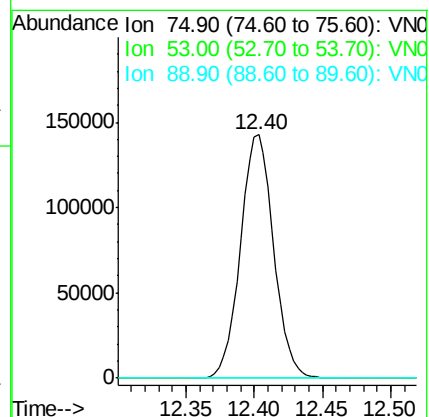
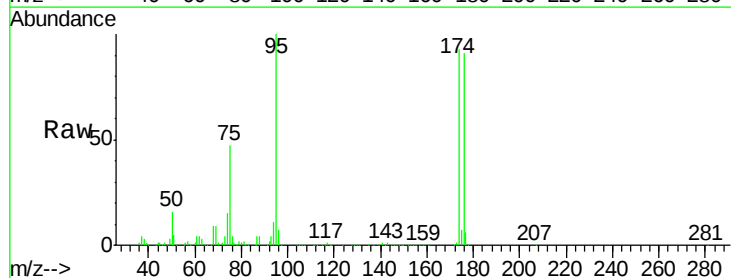
Tgt Ion: 75 Resp: 240073

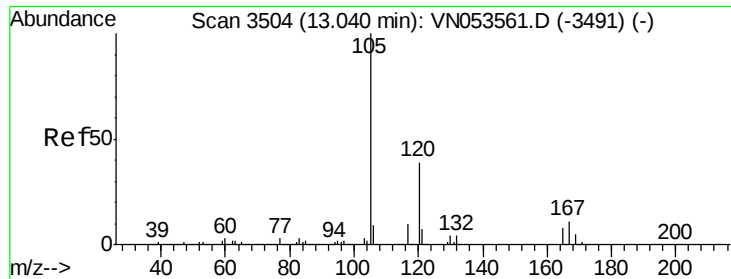
Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#





#84

1,2,4-Trimethylbenzene

Concen: 0.697 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053603.D

Acq: 4 Feb 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

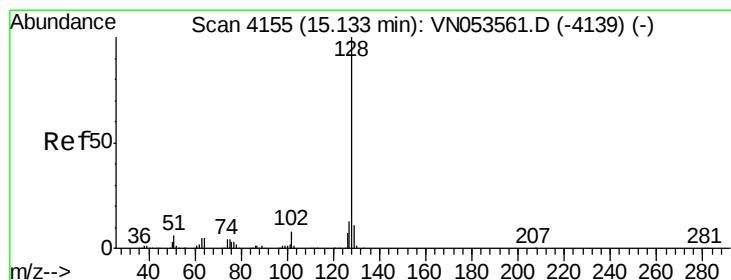
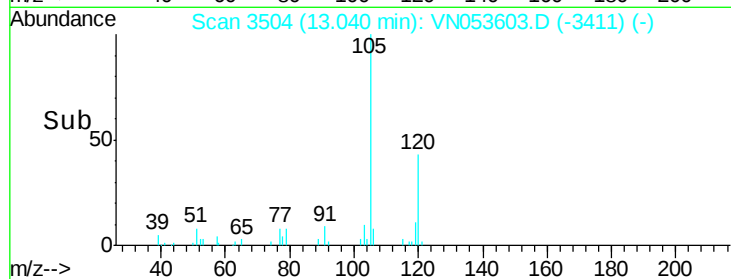
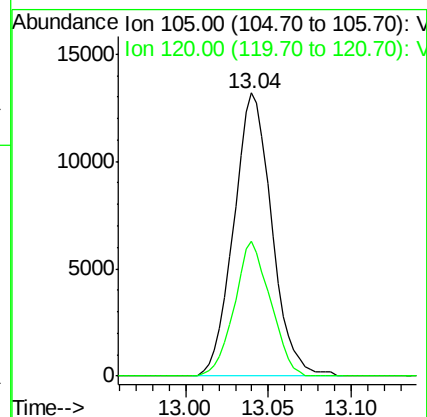
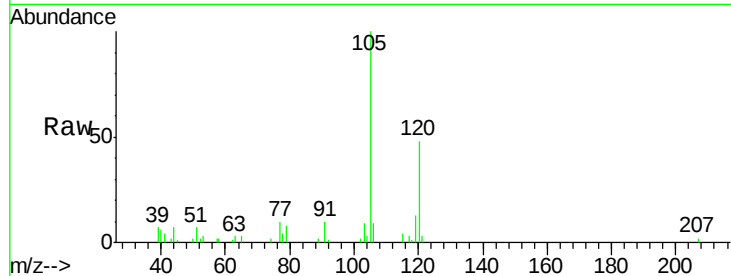
SPLP-LEACH-AMND-COMP-1

Tot Ion:105 Resp: 21031

Ion Ratio Lower Upper

105 100

120 45.2 23.0 69.0



#95

Naphthalene

Concen: 11.350 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053603.D

Acq: 4 Feb 2019 18:10

Tgt Ion:128 Resp: 222172

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 10.8 8.6 13.0

