

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020419\
 Data File : VN053602.D
 Acq On : 4 Feb 2019 17:44
 Operator : JC/SP
 Sample : K1299-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SPLP-LEACH-AMND-COMP-3

Quant Time: Feb 05 01:29:11 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	840871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1382323	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1246122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	547707	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	442066	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
35) Dibromofluoromethane	7.59	113	398281	45.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.20%	
50) Toluene-d8	10.09	98	1657156	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
62) 4-Bromofluorobenzene	12.40	95	556812	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	

Target Compounds

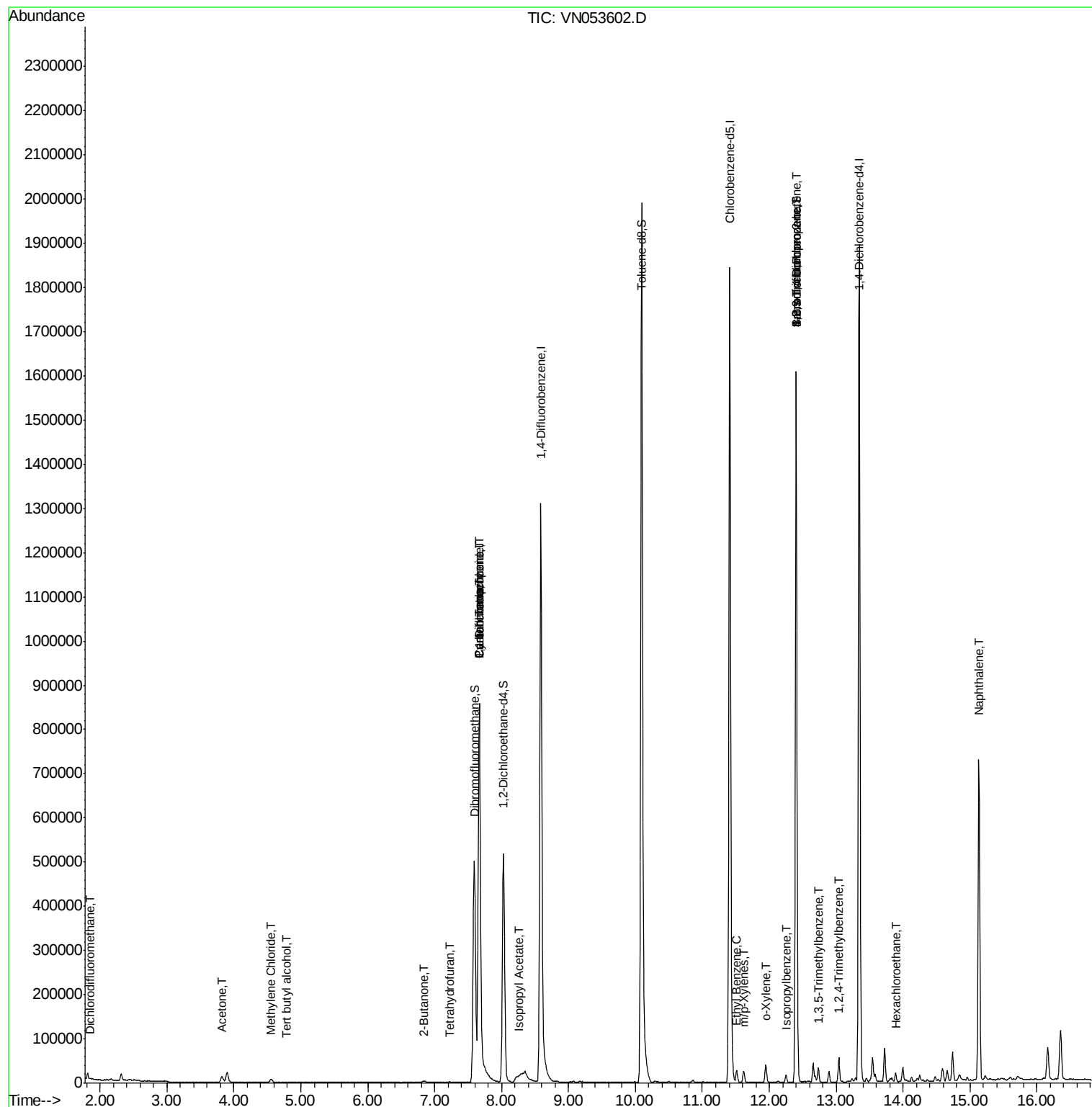
						Qvalue
2) Dichlorodifluoromethane	1.85	85	116	0.350	ug/l #	42
11) Tert butyl alcohol	4.78	59	119	0.238	ug/l #	72
16) Acetone	3.82	43	24366	11.261	ug/l	98
20) Methylene Chloride	4.56	84	5418	0.597	ug/l	97
25) 2-Butanone	6.85	43	4431	1.436	ug/l	98
29) Tetrahydrofuran	7.21	42	1087	0.549	ug/l #	80
31) Cyclohexane	7.67	56	12542	0.712	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	51768	4.154	ug/l #	49
38) Carbon Tetrachloride	7.67	117	69690	5.552	ug/l #	16
43) Isopropyl Acetate	8.25	43	14398	1.071	ug/l #	51
67) Ethyl Benzene	11.51	91	21818	0.502	ug/l	99
68) m/p-Xylenes	11.62	106	8803	0.530	ug/l	98
69) o-Xylene	11.95	106	11781	0.735	ug/l	99
71) Bromoform	12.40	173	3529	0.557	ug/l #	1
73) Isopropylbenzene	12.25	105	12048	0.313	ug/l	96
76) 1,2,3-Trichloropropane	12.40	75	259177	36.841	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	16577	0.519	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	259177	103.595	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	33029	1.015	ug/l	98
90) Hexachloroethane	13.89	117	1183	0.214	ug/l #	3
95) Naphthalene	15.13	128	640676	27.440	ug/l	100

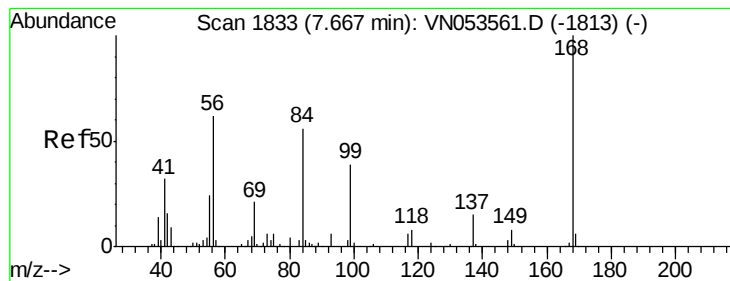
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020419\
Data File : VN053602.D
Acq On : 4 Feb 2019 17:44
Operator : JC/SP
Sample : K1299-10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
SPLP-LEACH-AMND-COMP-3

Quant Time: Feb 05 01:29:11 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053602.D

Acq: 4 Feb 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

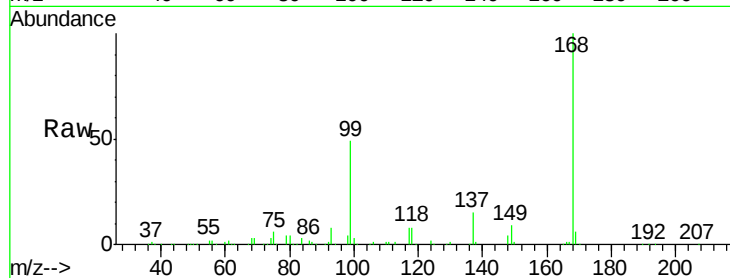
SPLP-LEACH-AMND-COMP-3

Tot Ion:168 Resp: 840871

Ion Ratio Lower Upper

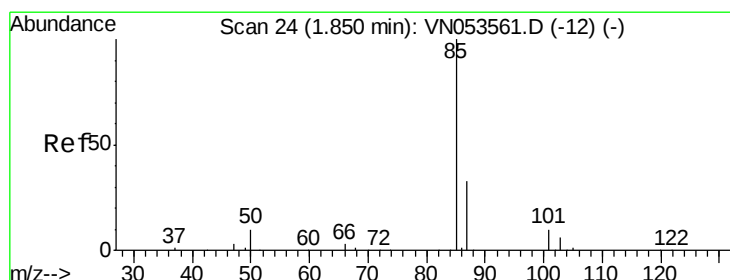
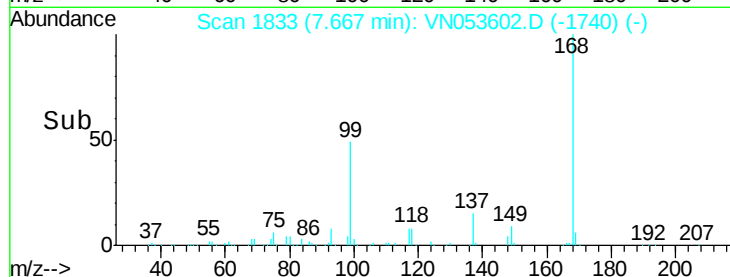
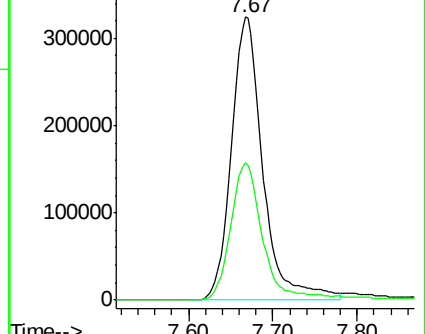
168 100

99 48.6 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 0.350 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053602.D

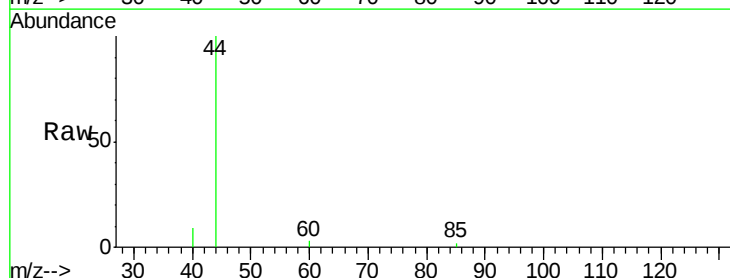
Acq: 4 Feb 2019 17:44

Tgt Ion: 85 Resp: 116

Ion Ratio Lower Upper

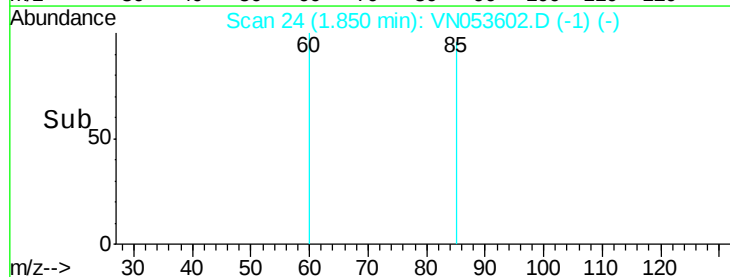
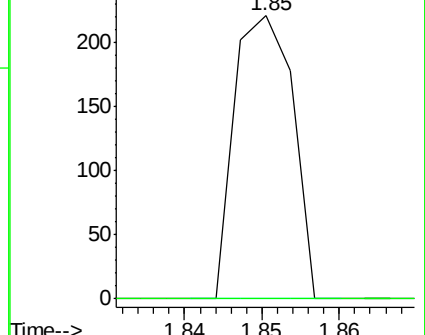
85 100

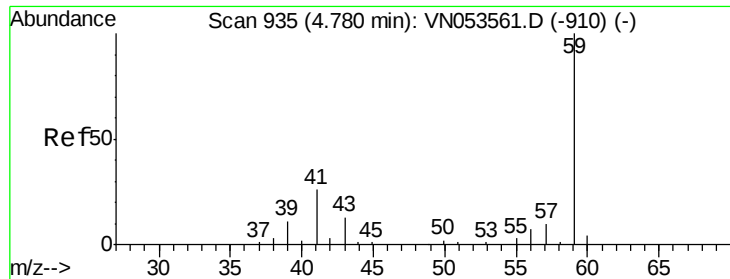
87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

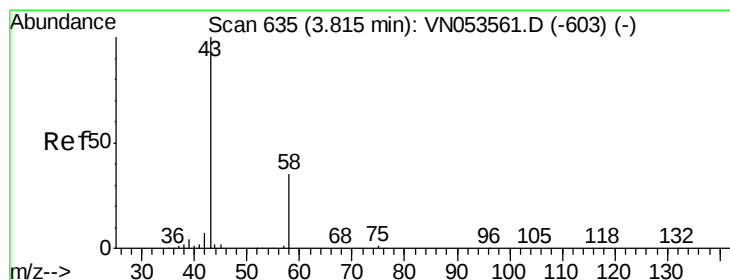
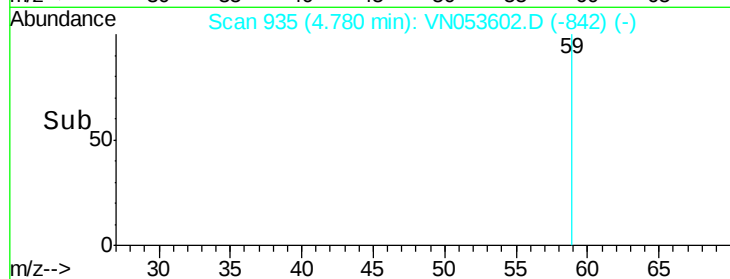
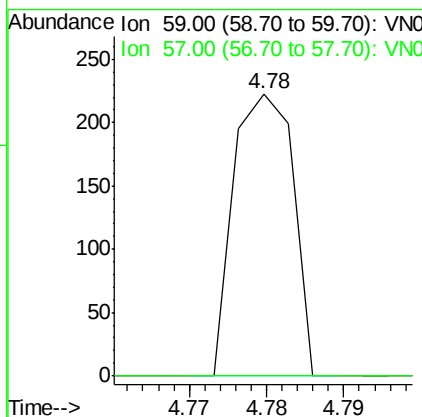
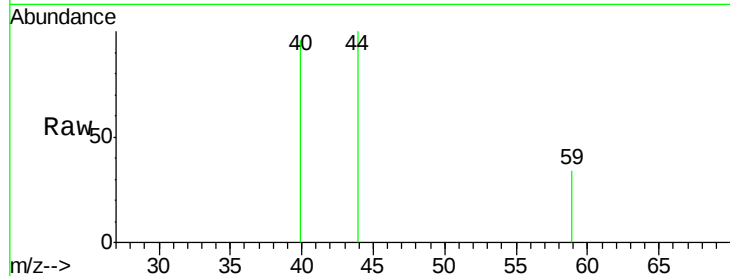




#11
Tert butyl alcohol
Concen: 0.238 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN053602.D
Acq: 4 Feb 2019 17:44

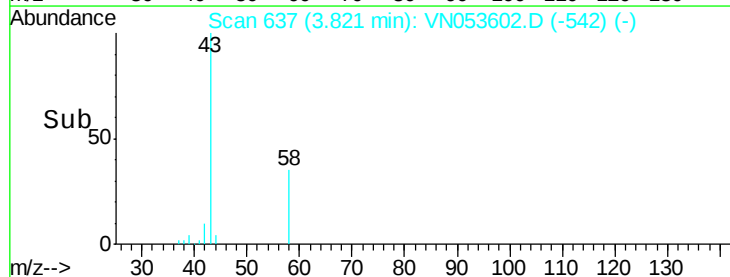
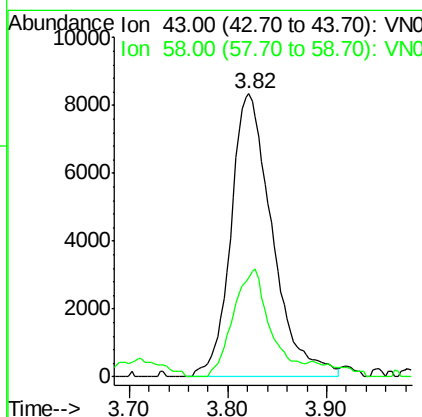
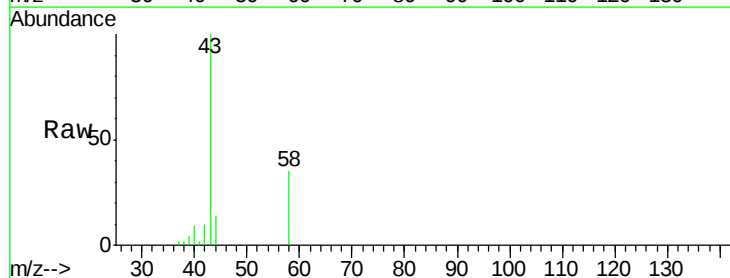
Instrument :
MSVOA_N
ClientSampleId :
SPLP-LEACH-AMND-COMP-3

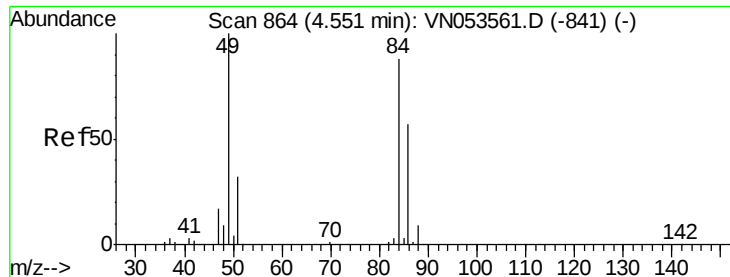
Tot Ion: 59 Resp: 119
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 11.261 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.01 min
Lab File: VN053602.D
Acq: 4 Feb 2019 17:44

Tgt Ion: 43 Resp: 24366
Ion Ratio Lower Upper
43 100
58 35.2 27.1 40.7

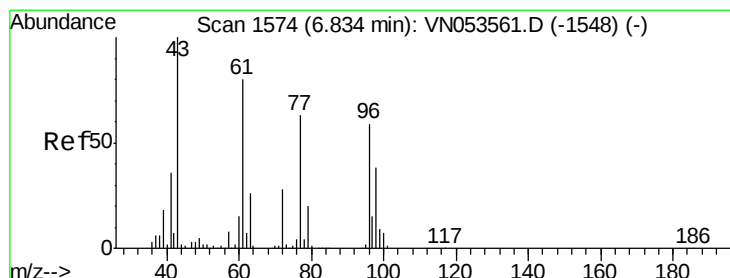
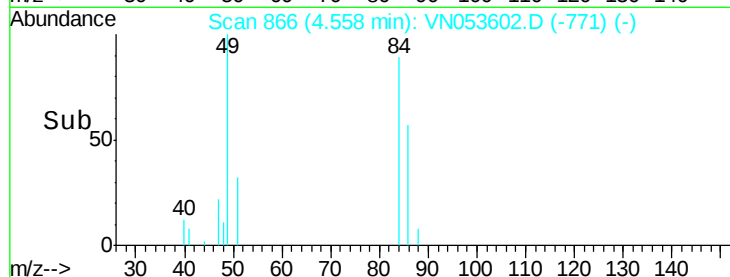
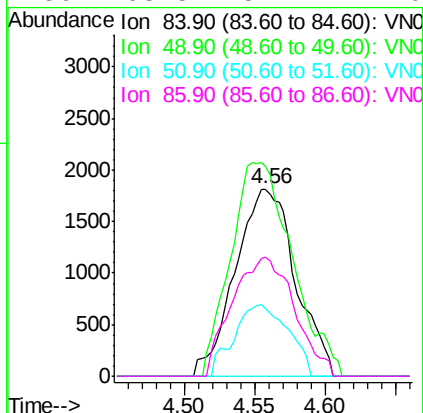
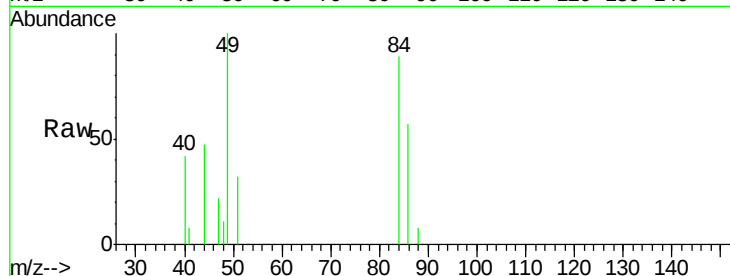




#20
Methvlene Chloride
Concen: 0.597 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN053602.D
Acq: 4 Feb 2019 17:44

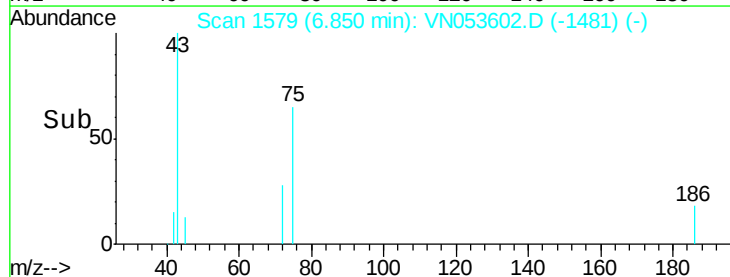
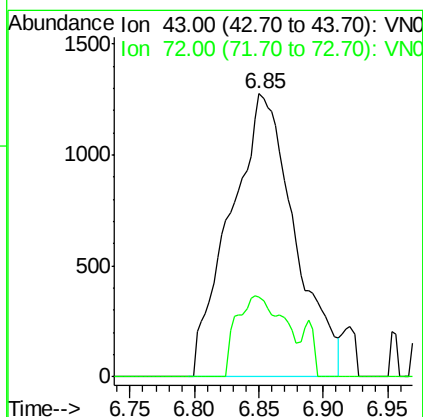
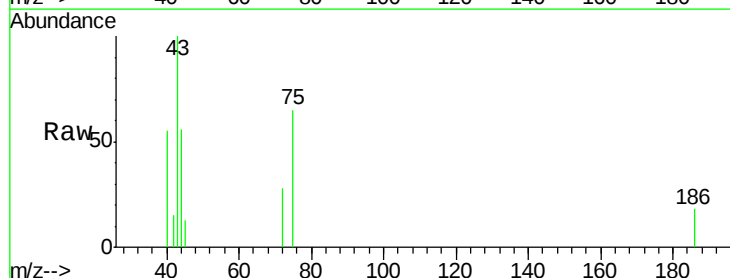
Instrument :
MSVOA_N
ClientSampleId :
SPLP-LEACH-AMND-COMP-3

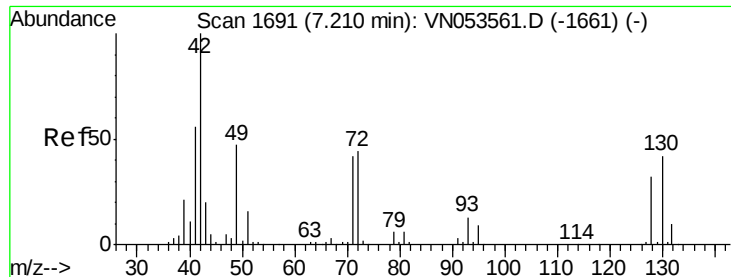
Tot Ion: 84 Resp: 5418
Ion Ratio Lower Upper
84 100
49 112.0 94.3 141.5
51 36.2 29.4 44.2
86 63.5 51.4 77.0



#25
2-Butanone
Concen: 1.436 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.02 min
Lab File: VN053602.D
Acq: 4 Feb 2019 17:44

Tgt Ion: 43 Resp: 4431
Ion Ratio Lower Upper
43 100
72 28.3 22.0 33.0





#29

Tetrahydrofuran

Concen: 0.549 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN053602.D

Acq: 4 Feb 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

SPLP-LEACH-AMND-COMP-3

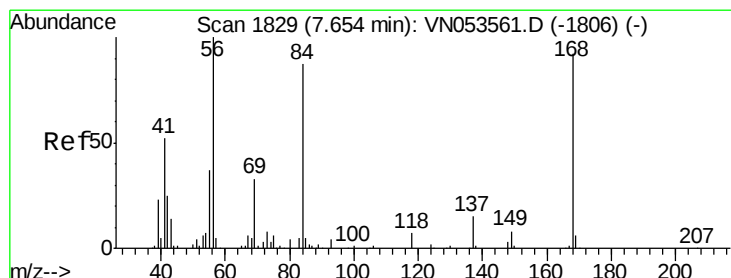
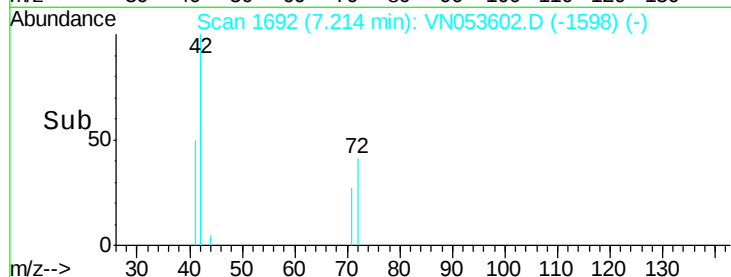
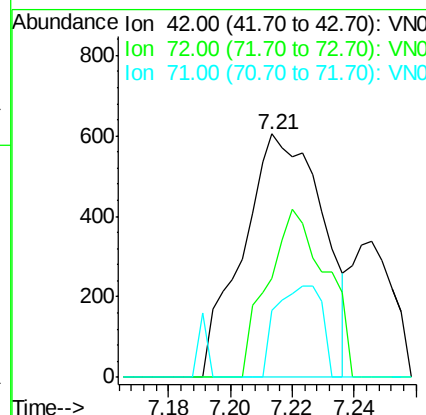
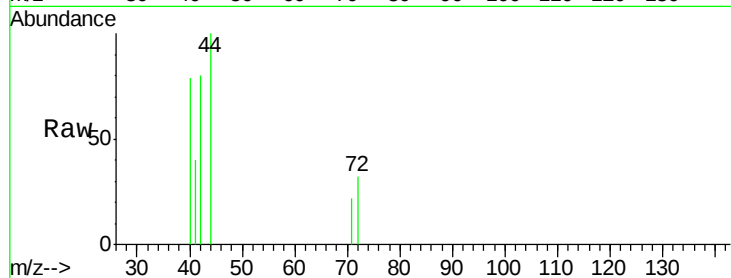
Tot Ion: 42 Resp: 1087

Ion Ratio Lower Upper

42 100

72 50.0 35.2 52.8

71 21.4 33.0 49.4#



#31

Cyclohexane

Concen: 0.712 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053602.D

Acq: 4 Feb 2019 17:44

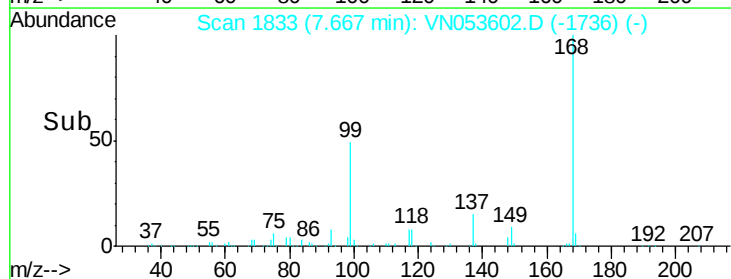
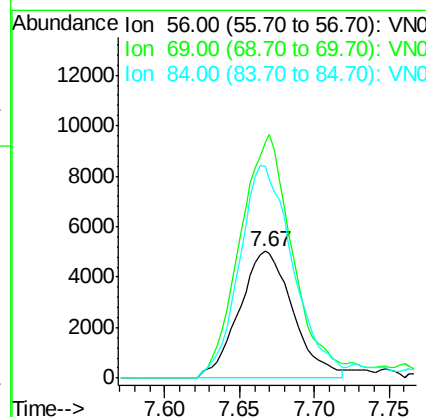
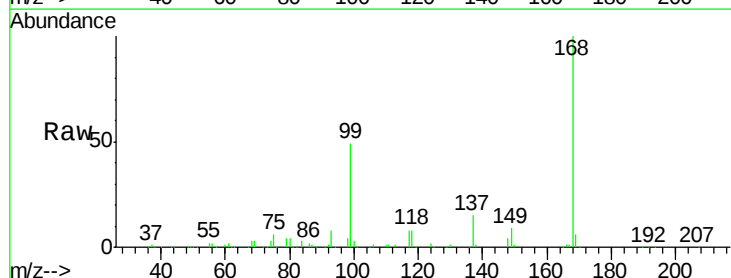
Tgt Ion: 56 Resp: 12542

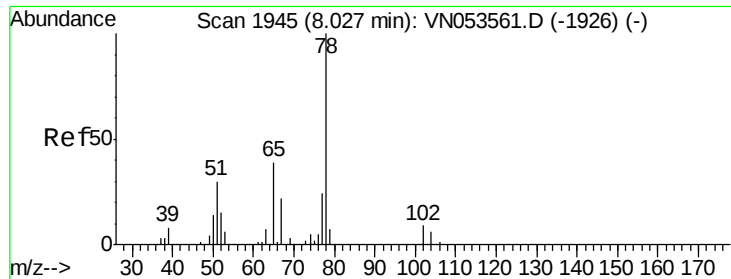
Ion Ratio Lower Upper

56 100

69 185.9 26.4 39.6#

84 167.2 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: VN053602.D

Acq: 4 Feb 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

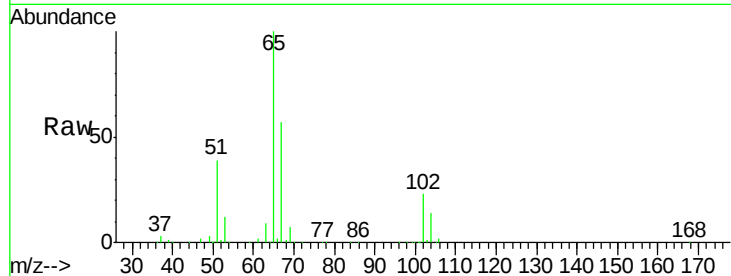
SPLP-LEACH-AMND-COMP-3

Tot Ion: 65 Resp: 442066

Ion Ratio Lower Upper

65 100

67 55.6 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN053561.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN053561.D (-1926) (-)

8.03

200000

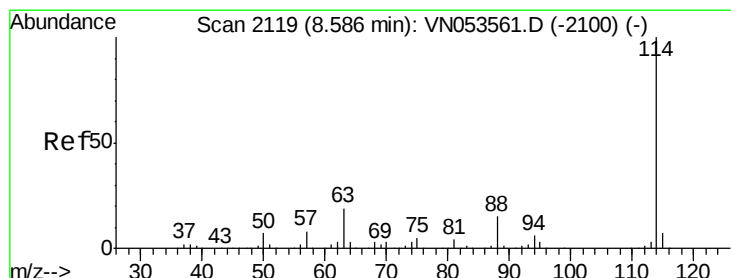
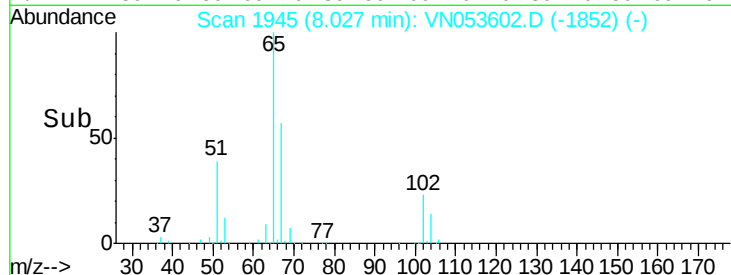
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053602.D

Acq: 4 Feb 2019 17:44

Tgt Ion: 114 Resp: 1382323

Ion Ratio Lower Upper

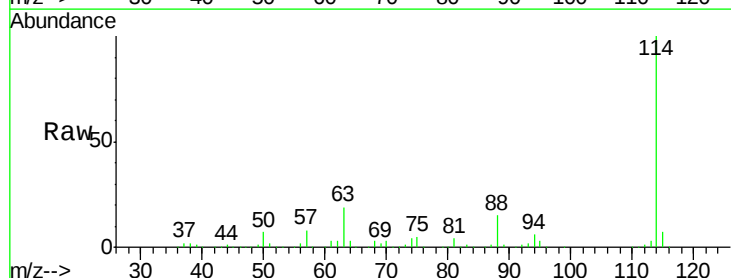
114 100

63 19.1

0.0 38.6

88 15.3

0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053561.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN053561.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN053561.D (-2100) (-)

8.59

800000

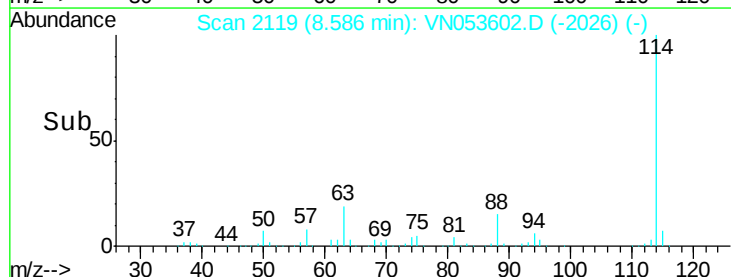
600000

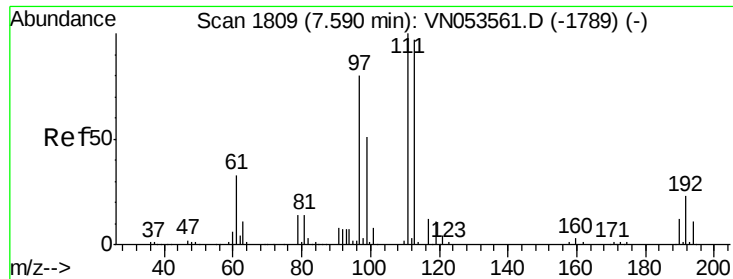
400000

200000

0

Time-->

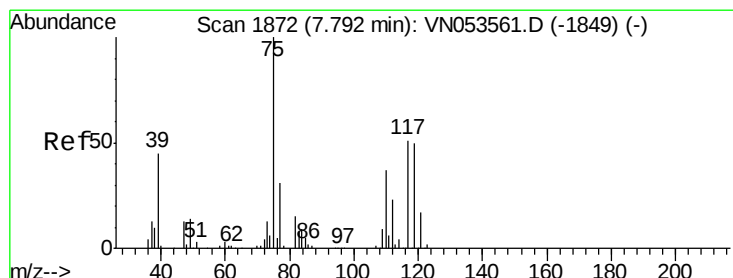
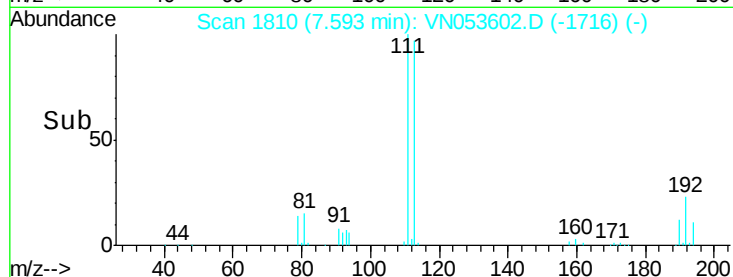
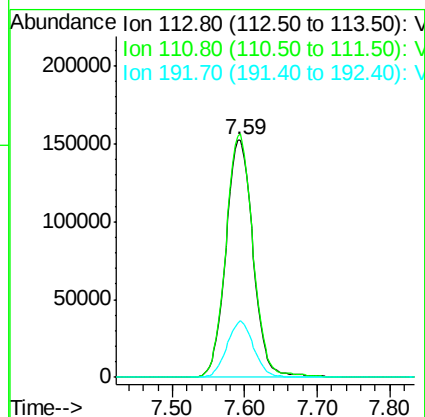
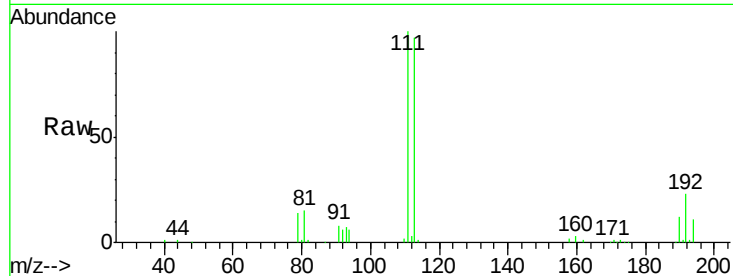




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053602.D
Acq: 4 Feb 2019 17:44

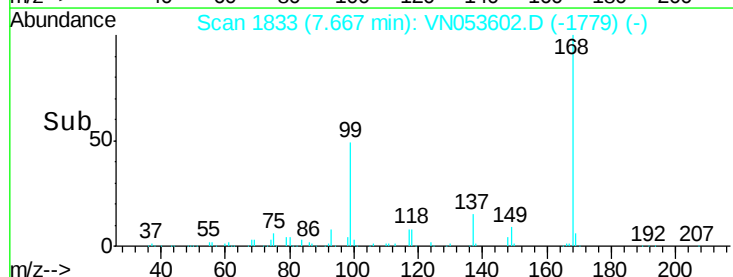
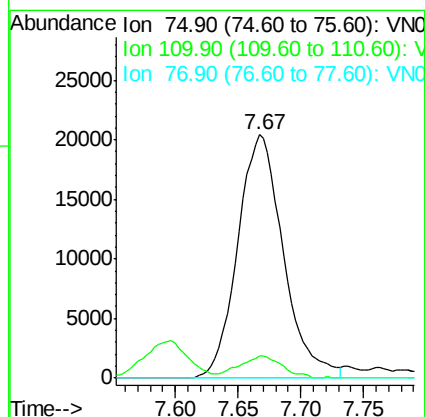
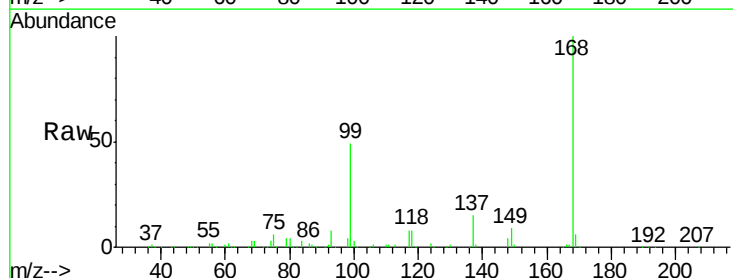
Instrument :
MSVOA_N
ClientSampleId :
SPLP-LEACH-AMND-COMP-3

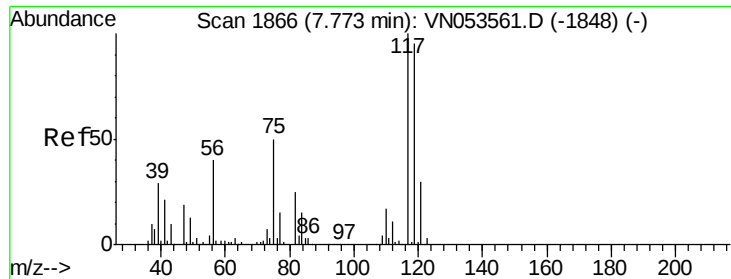
Tot Ion:113 Resp: 398281
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 23.3 18.2 27.2



#36
1,1-Dichloropropene
Concen: 4.154 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.13 min
Lab File: VN053602.D
Acq: 4 Feb 2019 17:44

Tgt Ion: 75 Resp: 51768
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.3#
77 0.0 25.1 37.7#

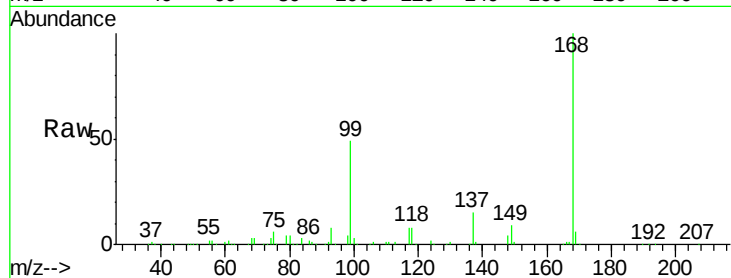




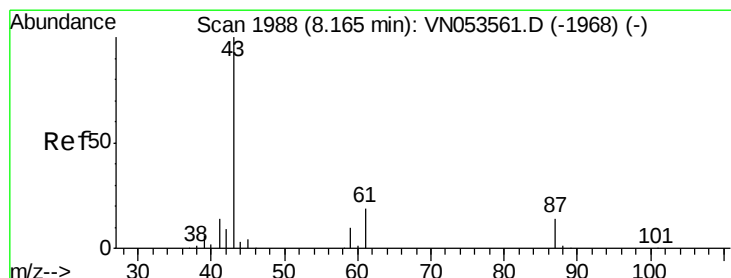
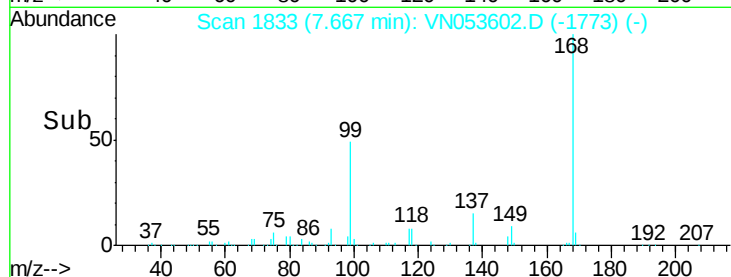
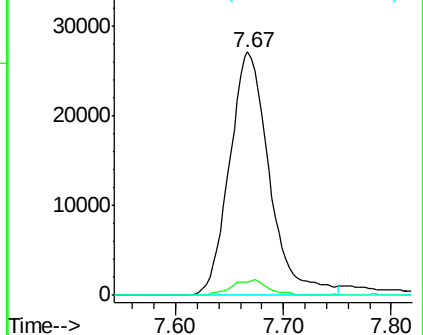
#38
Carbon Tetrachloride
Concen: 5.552 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN053602.D
Acq: 4 Feb 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
SPLP-LEACH-AMND-COMP-3

Tot Ion:117 Resp: 69690
Ion Ratio Lower Upper
117 100
119 5.5 77.2 115.8#
121 0.0 24.6 37.0#

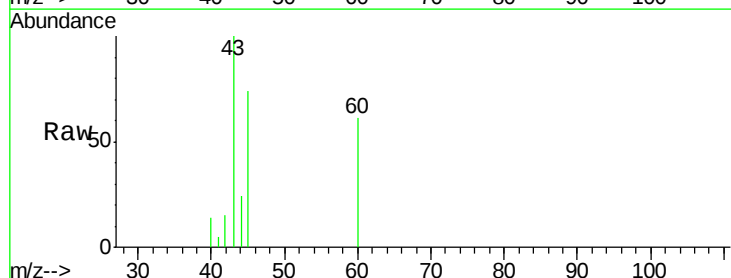


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

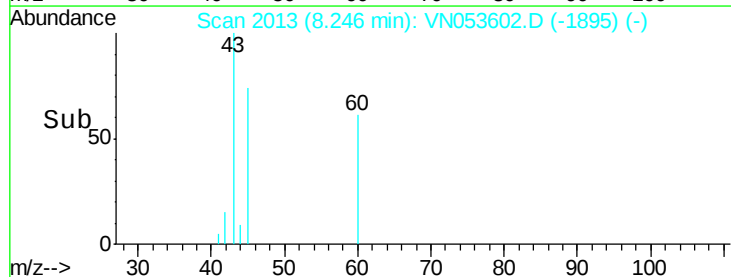
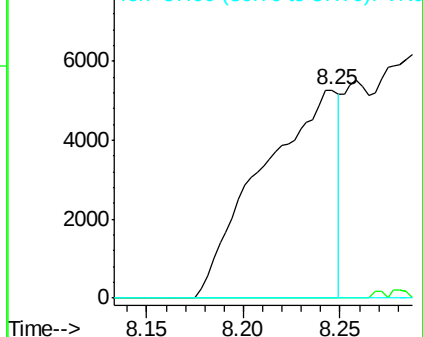


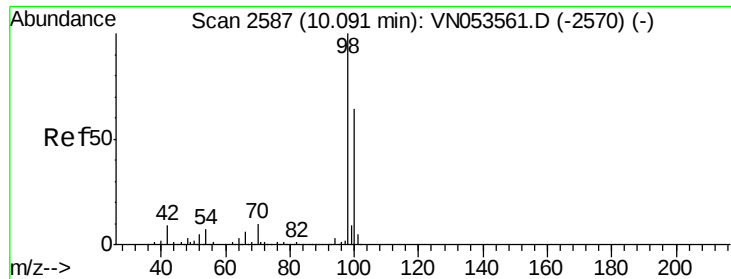
#43
Isopropyl Acetate
Concen: 1.071 ug/l
RT: 8.25 min Scan# 2013
Delta R.T. 0.08 min
Lab File: VN053602.D
Acq: 4 Feb 2019 17:44

Tgt Ion: 43 Resp: 14398
Ion Ratio Lower Upper
43 100
61 0.0 23.9 35.9#
87 0.0 11.0 16.6#



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

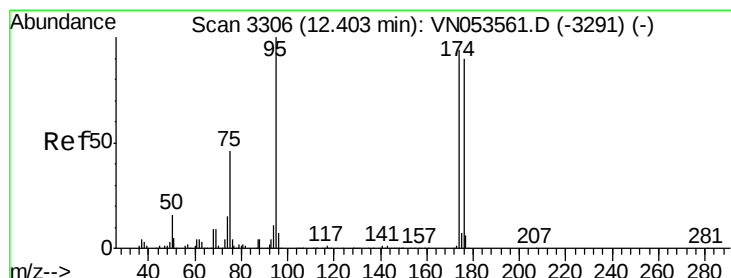
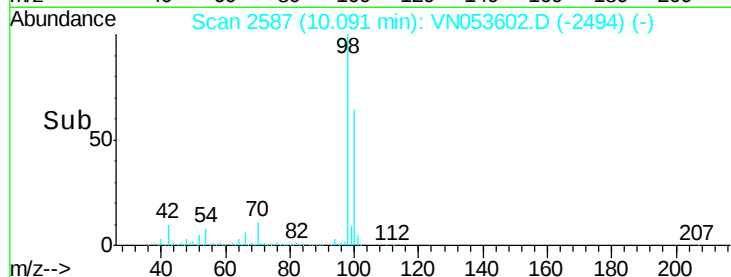
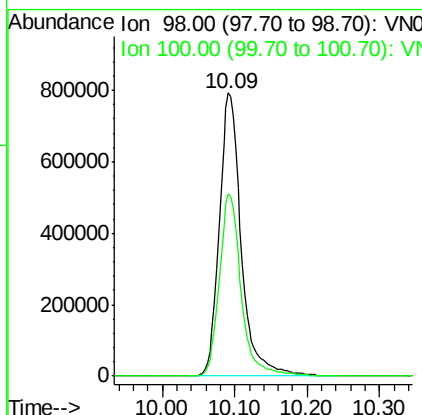
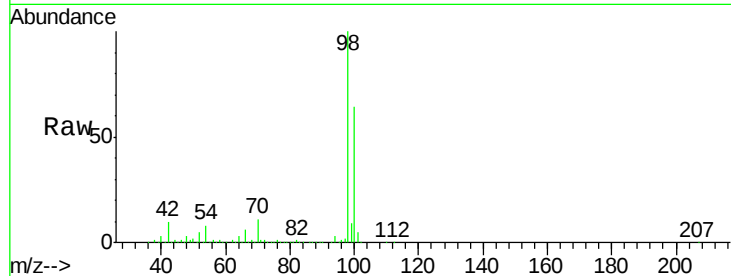




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053602.D
Acq: 4 Feb 2019 17:44

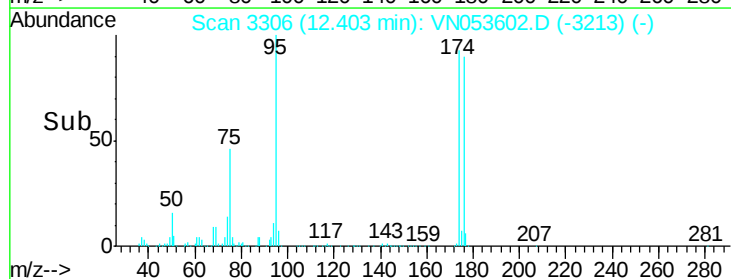
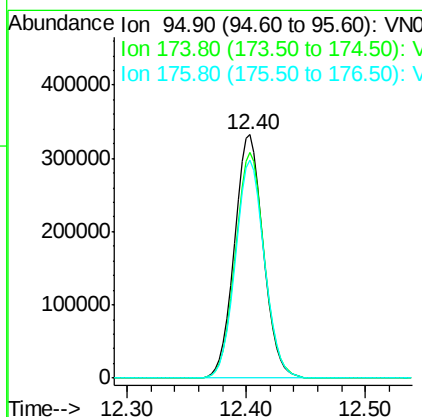
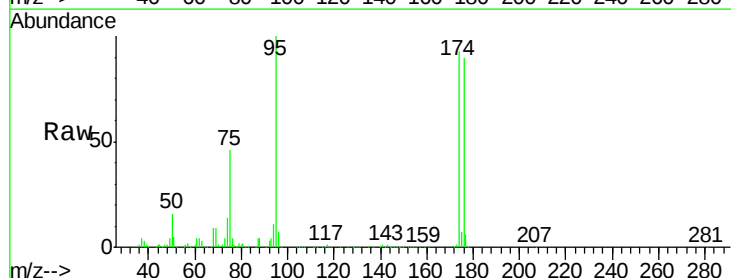
Instrument :
MSVOA_N
ClientSampleId :
SPLP-LEACH-AMND-COMP-3

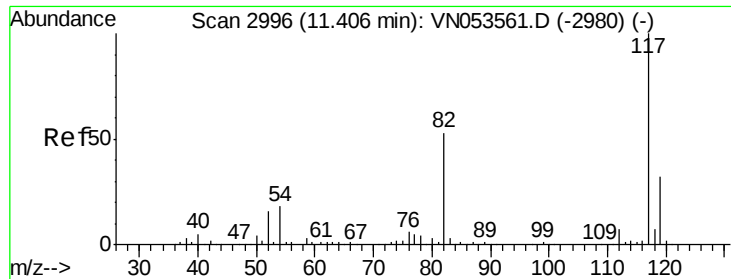
Tot Ion: 98 Resp: 1657156
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053602.D
Acq: 4 Feb 2019 17:44

Tgt Ion: 95 Resp: 556812
Ion Ratio Lower Upper
95 100
174 93.4 0.0 183.2
176 90.4 0.0 177.4

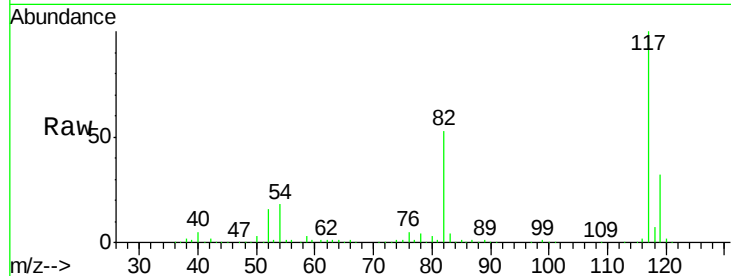




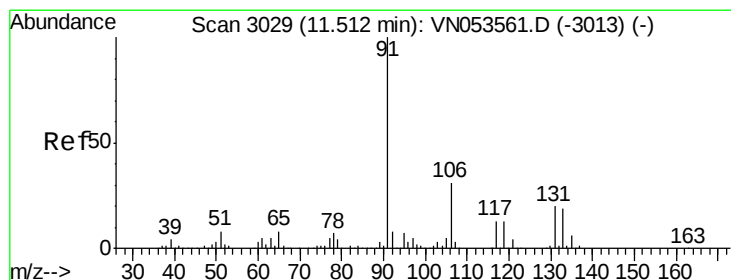
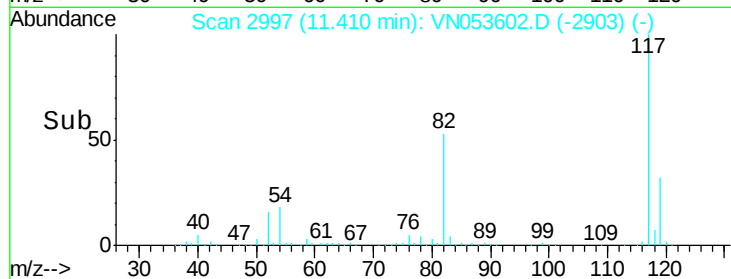
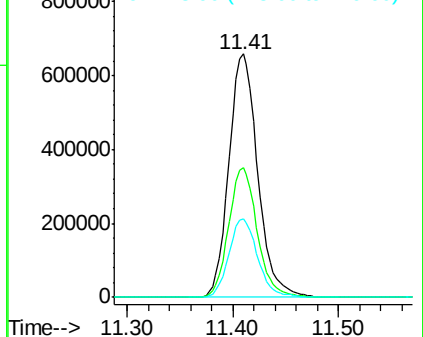
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053602.D
Acq: 4 Feb 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
SPLP-LEACH-AMND-COMP-3

Tot Ion:117 Resp: 1246122
Ion Ratio Lower Upper
117 100
82 53.2 42.9 64.3
119 32.3 26.0 39.0

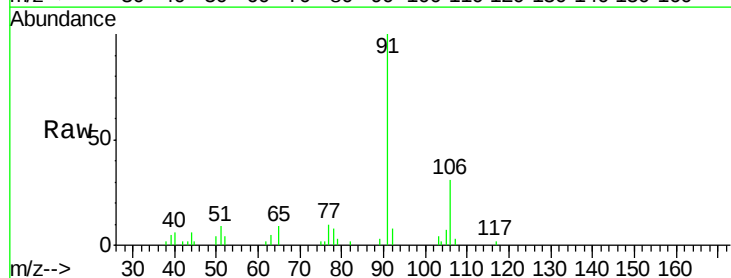


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VNO
Ion 118.90 (118.60 to 119.60): V

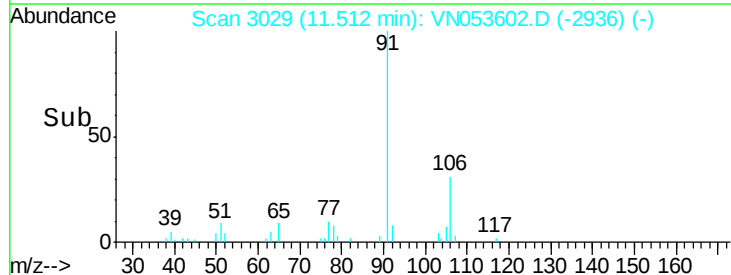
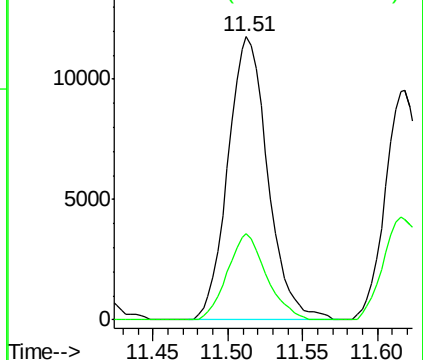


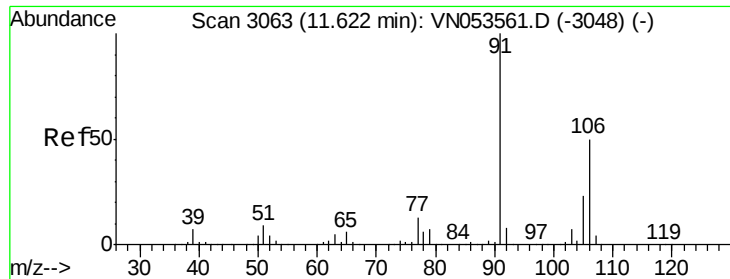
#67
Ethyl Benzene
Concen: 0.502 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053602.D
Acq: 4 Feb 2019 17:44

Tgt Ion: 91 Resp: 21818
Ion Ratio Lower Upper
91 100
106 30.6 25.0 37.6



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

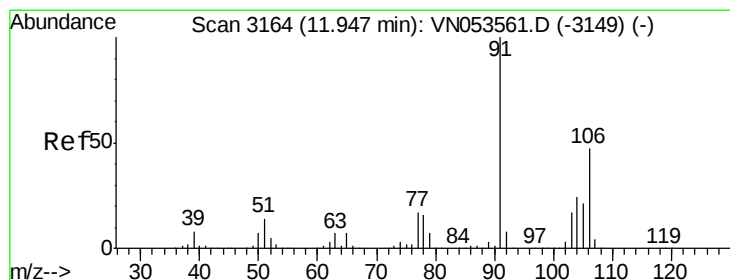
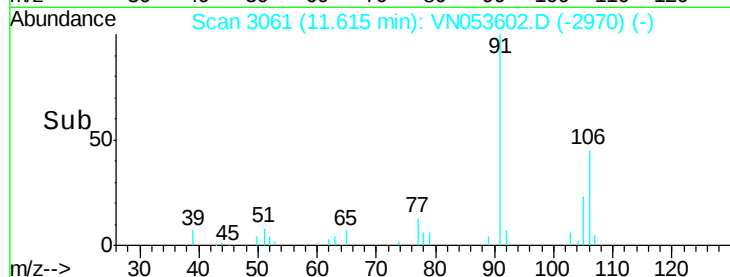
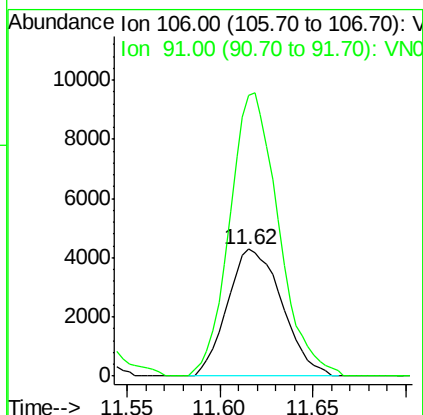
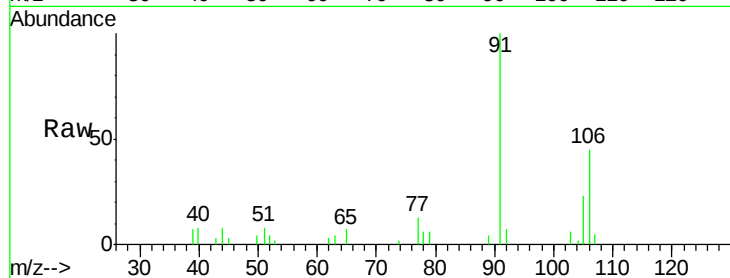




#68
m/p-Xvlenes
Concen: 0.530 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN053602.D
Acq: 4 Feb 2019 17:44

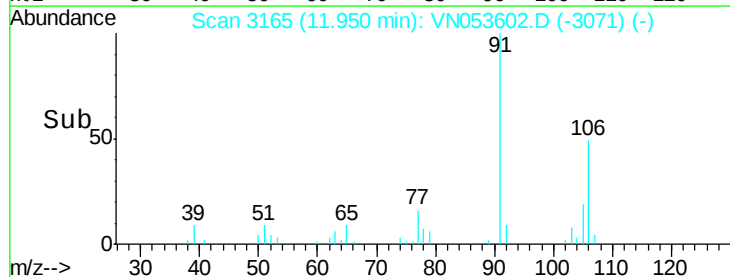
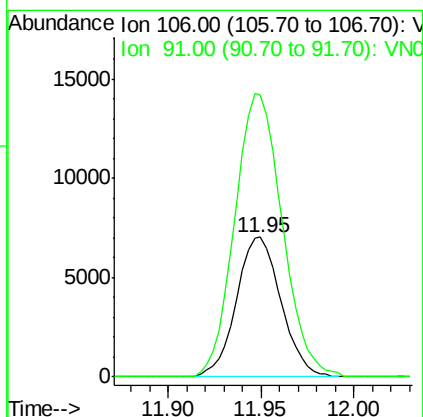
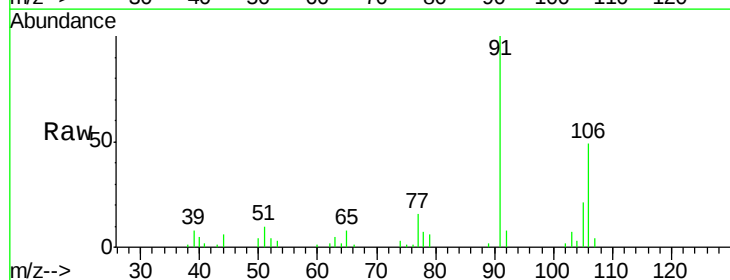
Instrument :
MSVOA_N
ClientSampleId :
SPLP-LEACH-AMND-COMP-3

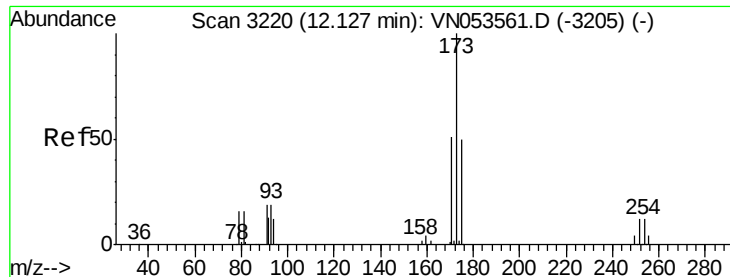
Tot Ion:106 Resp: 8803
Ion Ratio Lower Upper
106 100
91 199.3 161.4 242.2



#69
o-Xylene
Concen: 0.735 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053602.D
Acq: 4 Feb 2019 17:44

Tgt Ion:106 Resp: 11781
Ion Ratio Lower Upper
106 100
91 215.8 106.9 320.8





#71

Bromoform

Concen: 0.557 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053602.D

Acq: 4 Feb 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

SPLP-LEACH-AMND-COMP-3

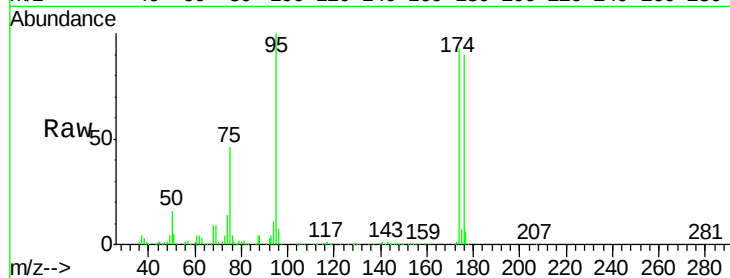
Tot Ion:173 Resp: 3529

Ion Ratio Lower Upper

173 100

175 902.2 24.6 74.0#

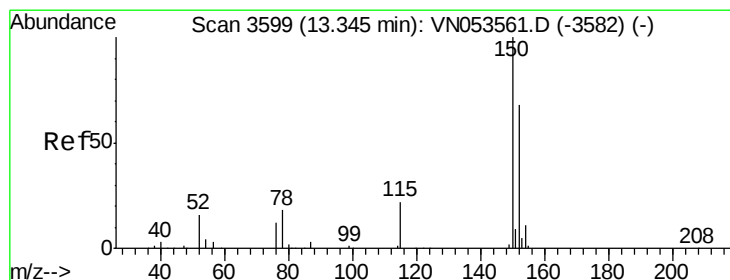
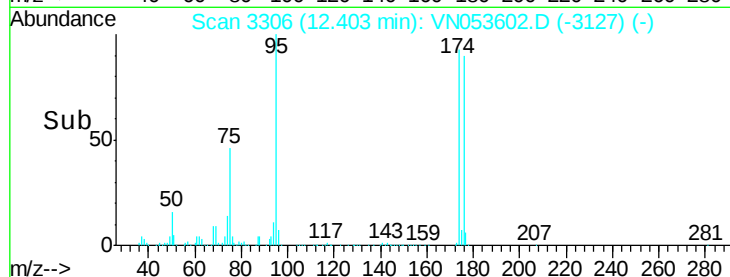
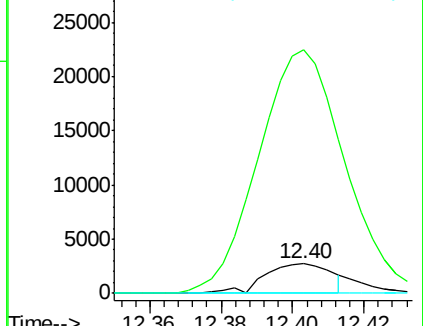
254 0.0 0.2 0.2#



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: VN053602.D

Acq: 4 Feb 2019 17:44

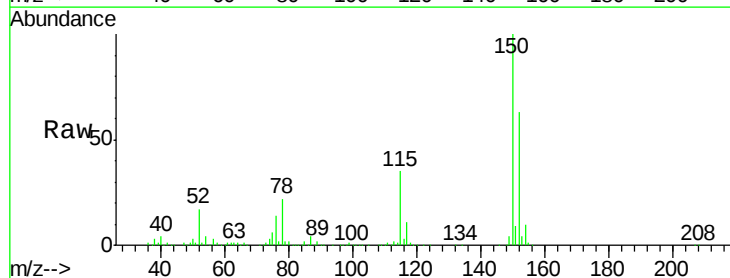
Tgt Ion:152 Resp: 547707

Ion Ratio Lower Upper

152 100

115 56.0 27.8 83.4

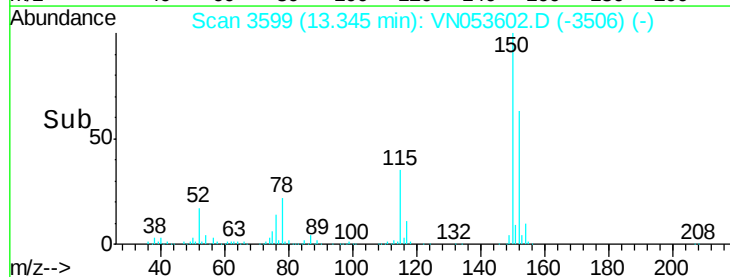
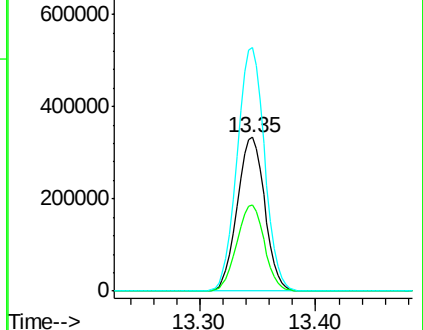
150 157.6 0.0 349.0

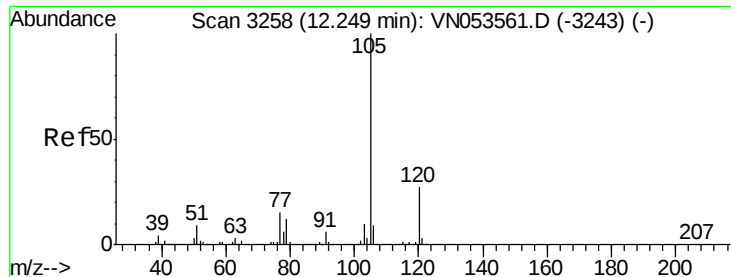


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.313 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN053602.D

Acq: 4 Feb 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

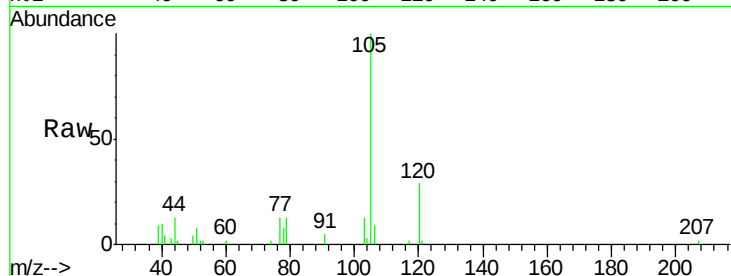
SPLP-LEACH-AMND-COMP-3

Tot Ion: 105 Resp: 12048

Ion Ratio Lower Upper

105 100

120 29.0 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

8000

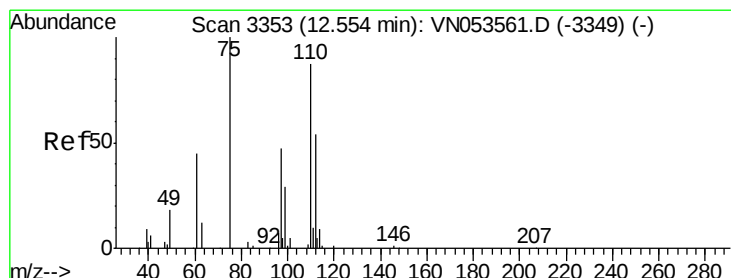
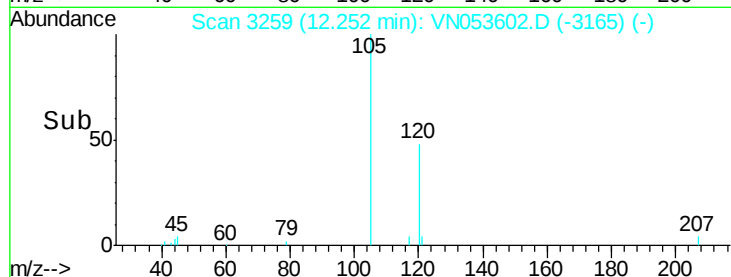
6000

4000

2000

0

Time--> 12.20 12.25 12.30



#76

1,2,3-Trichloropropane

Concen: 36.841 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053602.D

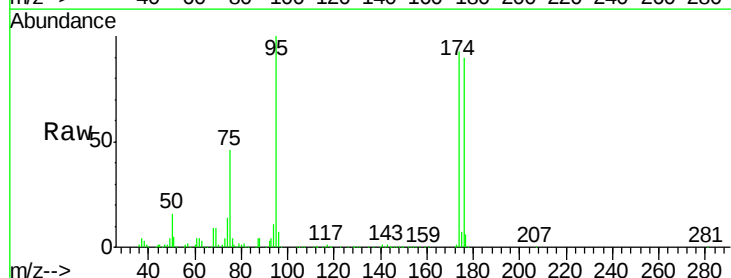
Acq: 4 Feb 2019 17:44

Tgt Ion: 75 Resp: 259177

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

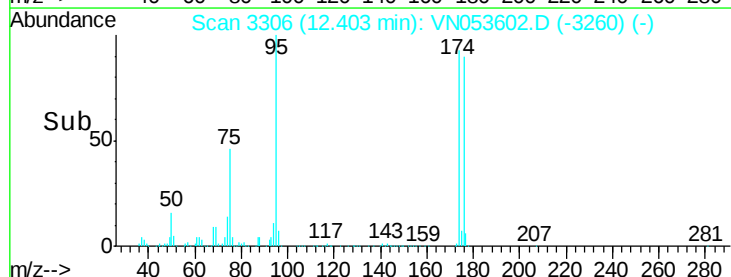
150000

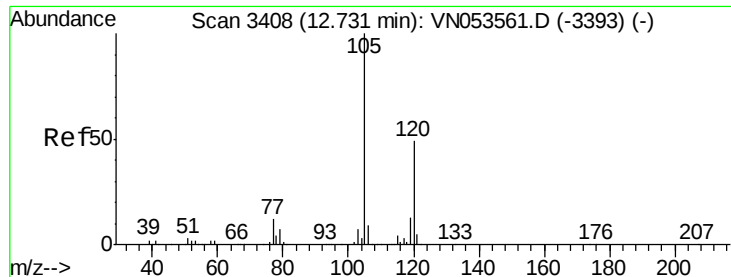
100000

50000

0

Time--> 12.35 12.40 12.45 12.50





#80

1,3,5-Trimethylbenzene

Concen: 0.519 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053602.D

Acq: 4 Feb 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

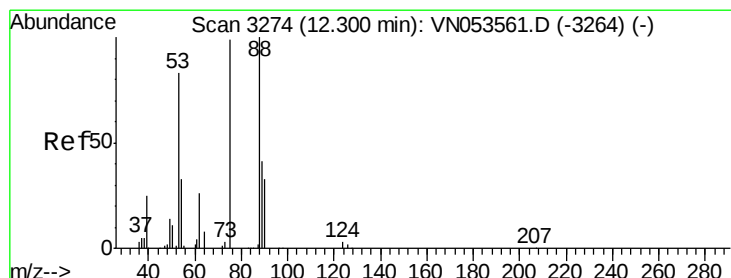
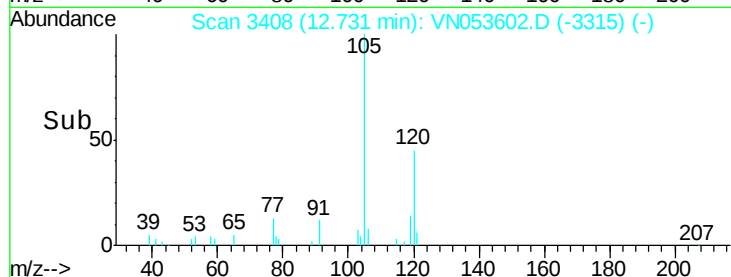
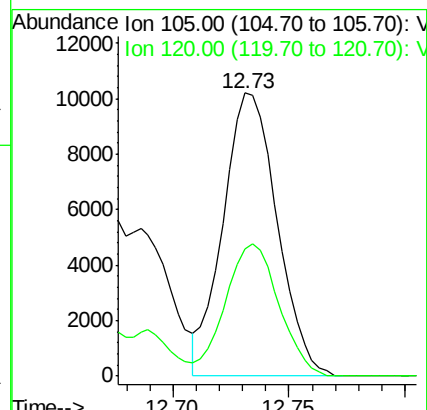
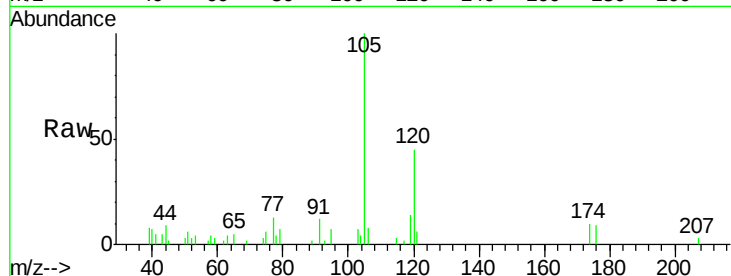
SPLP-LEACH-AMND-COMP-3

Tot Ion:105 Resp: 16577

Ion Ratio Lower Upper

105 100

120 46.2 24.9 74.6



#81

trans-1,4-Dichloro-2-butene

Concen: 103.595 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053602.D

Acq: 4 Feb 2019 17:44

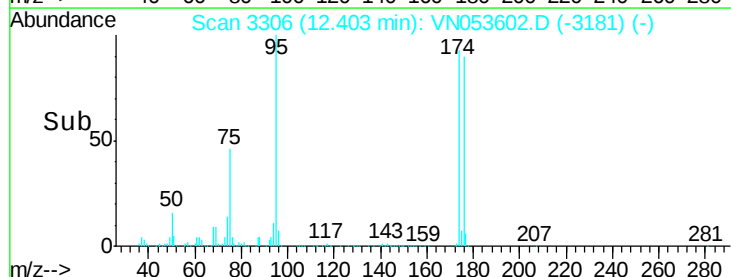
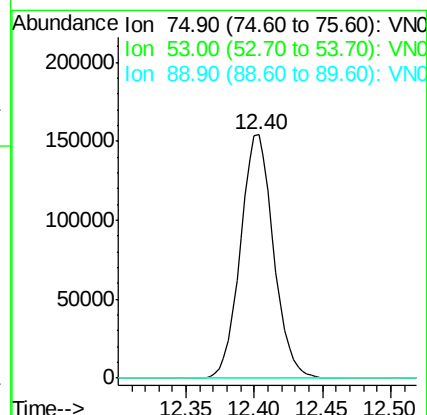
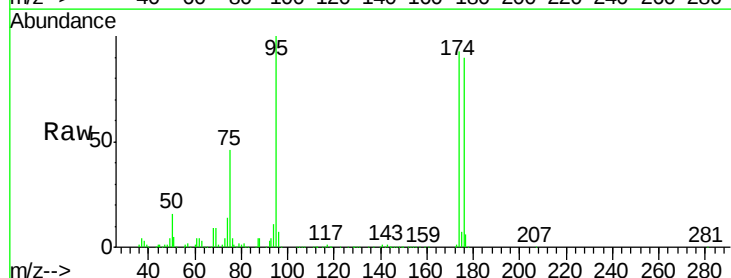
Tgt Ion: 75 Resp: 259177

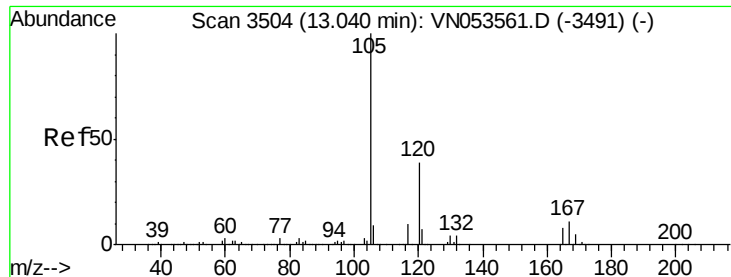
Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#

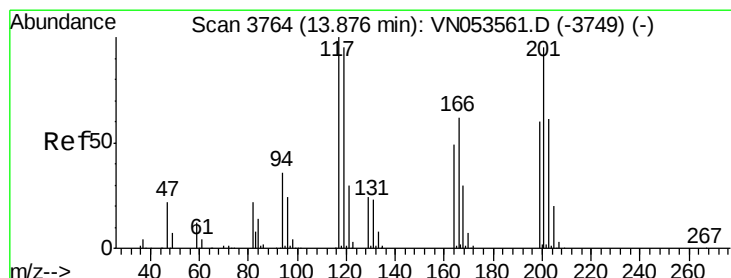
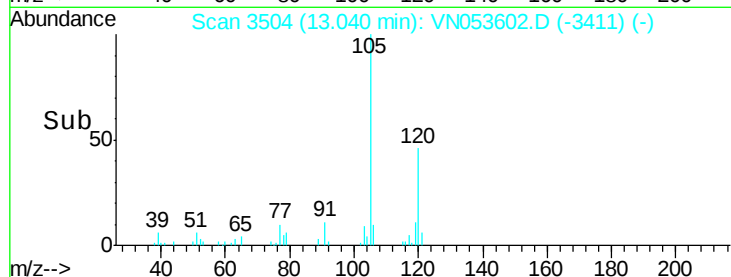
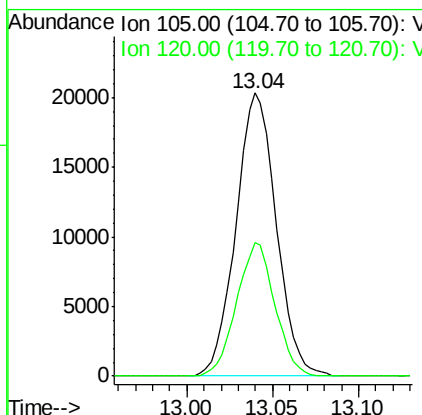
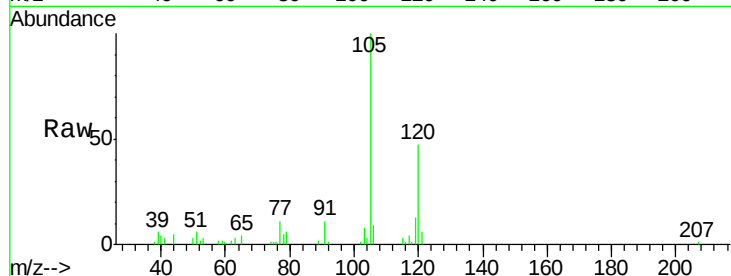




#84
 1,2,4-Trimethylbenzene
 Concen: 1.015 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053602.D
 Acq: 4 Feb 2019 17:44

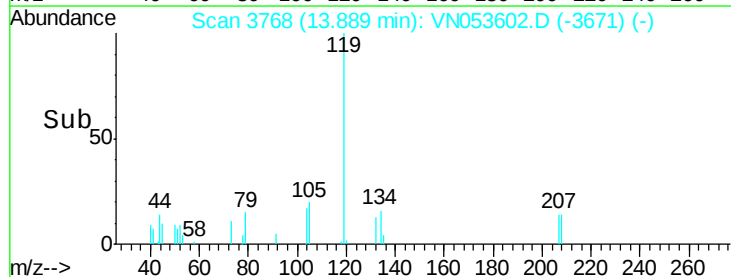
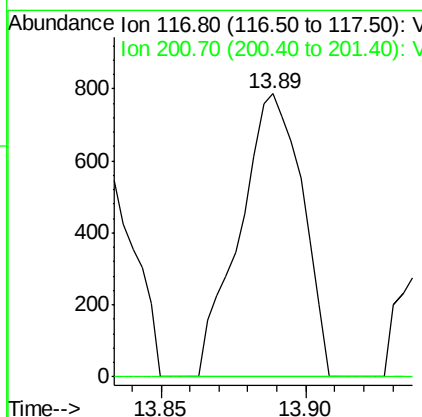
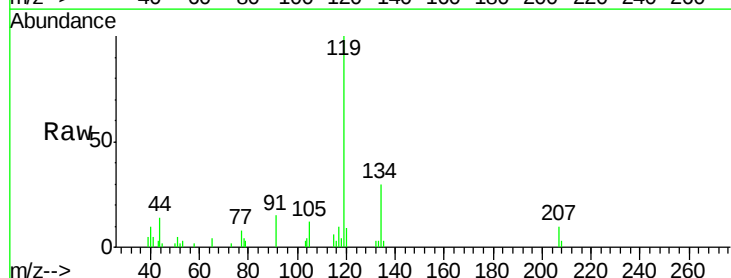
Instrument :
 MSVOA_N
 ClientSampleId :
 SPLP-LEACH-AMND-COMP-3

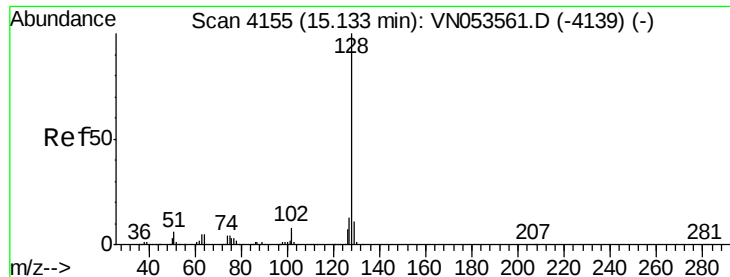
Tot Ion:105 Resp: 33029
 Ion Ratio Lower Upper
 105 100
 120 44.7 23.0 69.0



#90
 Hexachloroethane
 Concen: 0.214 ug/l
 RT: 13.89 min Scan# 3768
 Delta R.T. 0.01 min
 Lab File: VN053602.D
 Acq: 4 Feb 2019 17:44

Tgt Ion:117 Resp: 1183
 Ion Ratio Lower Upper
 117 100
 201 0.0 46.8 140.4#

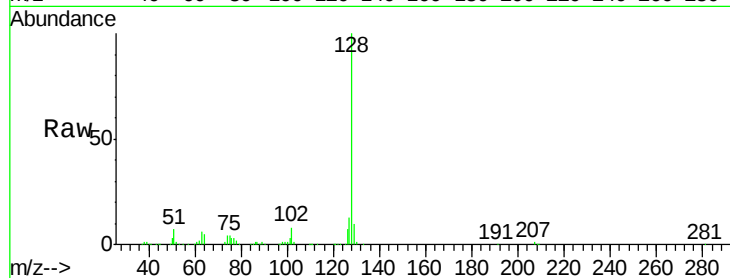




#95
Naphthalene
Concen: 27.440 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053602.D
Acq: 4 Feb 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
SPLP-LEACH-AMND-COMP-3

Tot Ion:128 Resp: 640676
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.7 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

