

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112718\
 Data File : VN052478.D
 Acq On : 27 Nov 2018 15:00
 Operator : MD\SY
 Sample : J6063-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Nov 28 06:10:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1283597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1956585	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1670558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	616302	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	654102	46.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.60%	
35) Dibromofluoromethane	7.59	113	595704	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	10.09	98	2364520	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.40	95	727669	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	

Target Compounds

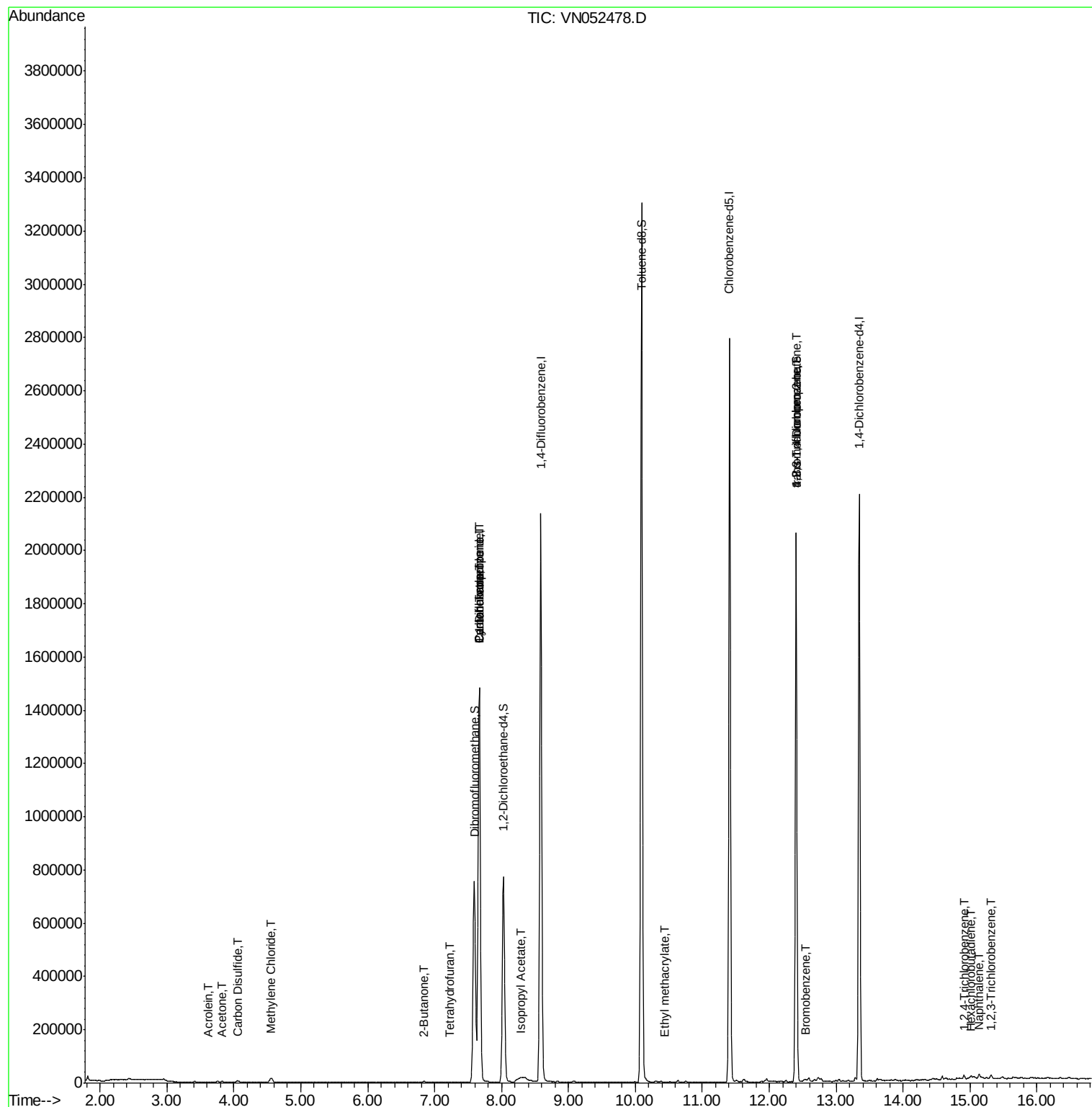
						Qvalue
13) Acrolein	3.61	56	575	33.881	ug/l #	33
16) Acetone	3.82	43	5321	1.443	ug/l	94
17) Carbon Disulfide	4.06	76	11014	0.291	ug/l	98
20) Methylene Chloride	4.55	84	6990	0.485	ug/l	95
25) 2-Butanone	6.84	43	1278	0.245	ug/l #	50
29) Tetrahydrofuran	7.23	42	1486	0.441	ug/l #	41
31) Cyclohexane	7.67	56	24065	0.640	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	87485	4.735	ug/l #	50
38) Carbon Tetrachloride	7.67	117	113904	6.810	ug/l #	16
43) Isopropyl Acetate	8.27	43	17976	0.942	ug/l #	51
56) Ethyl methacrylate	10.43	69	130	2.701	ug/l #	41
76) 1,2,3-Trichloropropane	12.40	75	349268	36.751	ug/l #	100
77) Bromobenzene	12.54	156	4633	0.388	ug/l #	16
81) trans-1,4-Dichloro-2-buten	12.40	75	349268	122.730	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	4810	3.244	ug/l #	88
94) Hexachlorobutadiene	15.01	225	1625	0.253	ug/l	84
95) Naphthalene	15.14	128	14536	4.012	ug/l	94
96) 1,2,3-Trichlorobenzene	15.32	180	4635	3.163	ug/l #	80

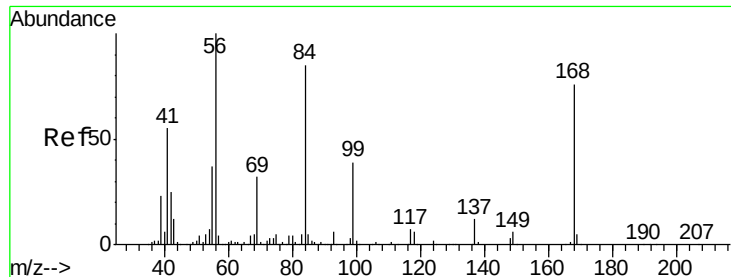
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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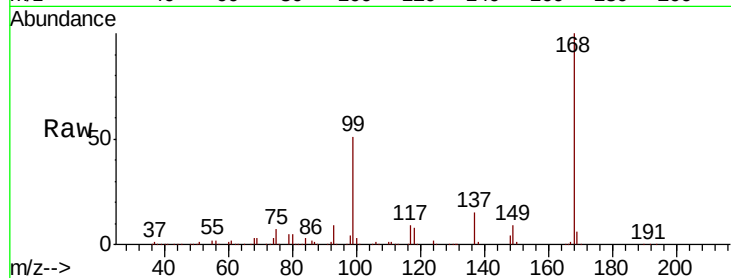




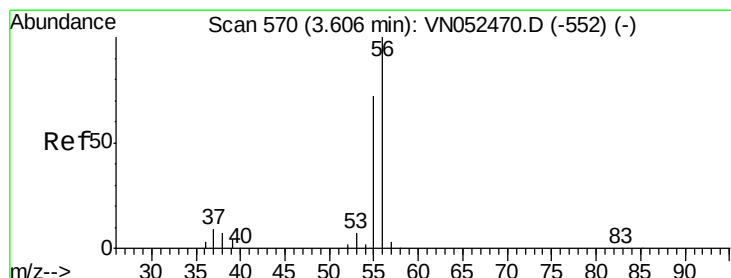
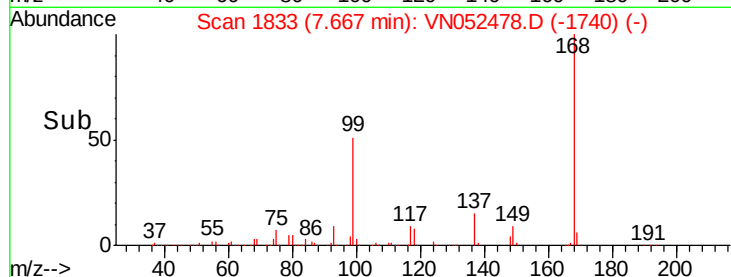
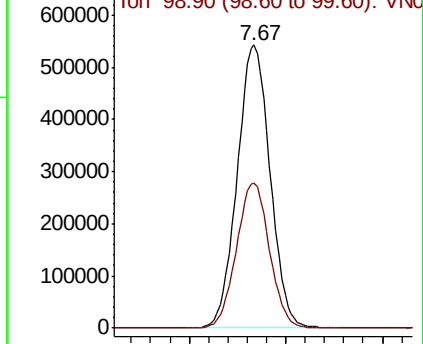
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VN052478.D
Acq: 27 Nov 2018 15:00

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 1283597
Ion Ratio Lower Upper
168 100
99 51.4 41.7 62.5

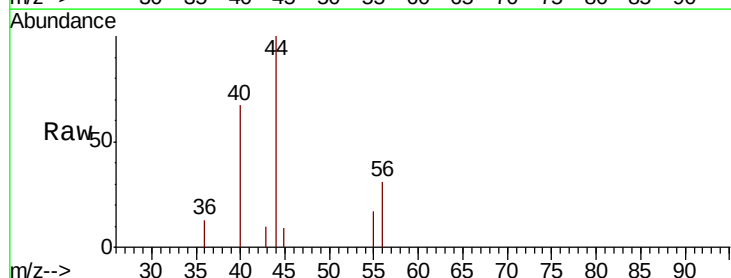


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VNO

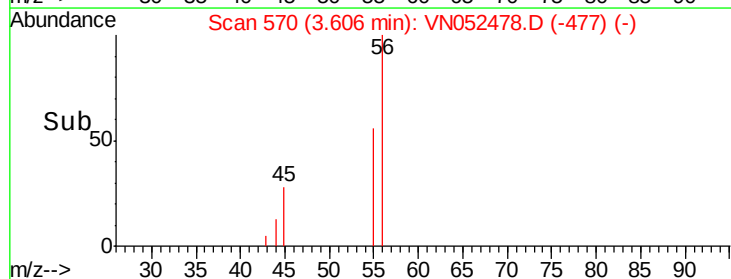
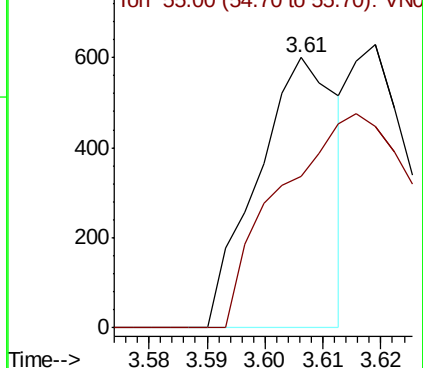


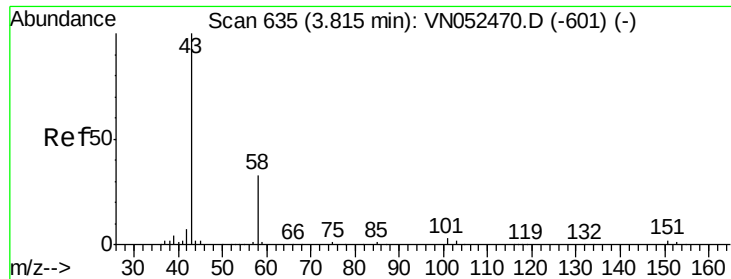
#13
Acrolein
Concen: 33.881 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN052478.D
Acq: 27 Nov 2018 15:00

Tgt Ion: 56 Resp: 575
Ion Ratio Lower Upper
56 100
55 126.6 56.8 85.2#



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 55.00 (54.70 to 55.70): VNO





#16

Acetone

Concen: 1.443 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052478.D

Acq: 27 Nov 2018 15:00

Instrument :

MSVOA_N

ClientSampleId :

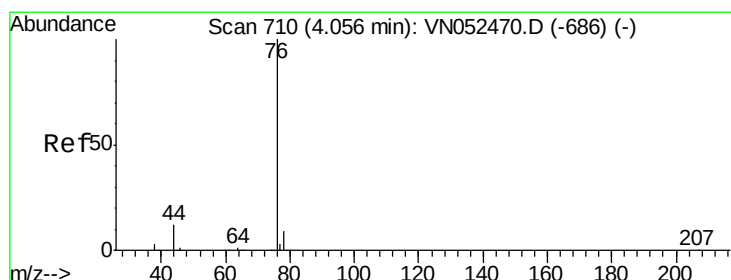
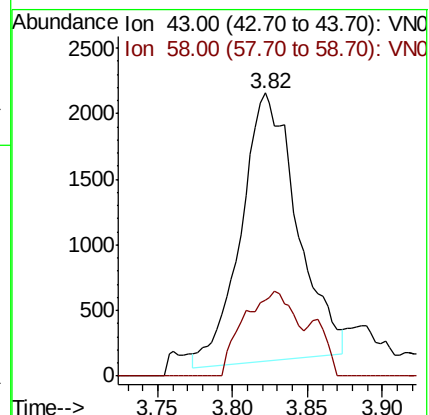
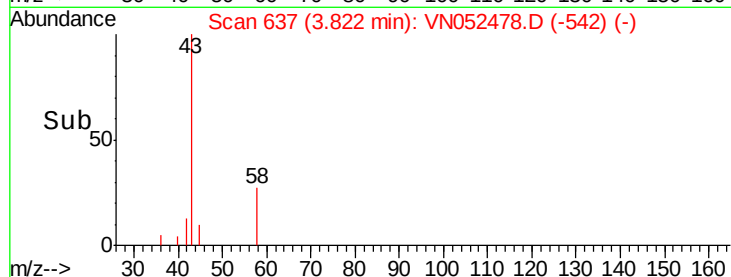
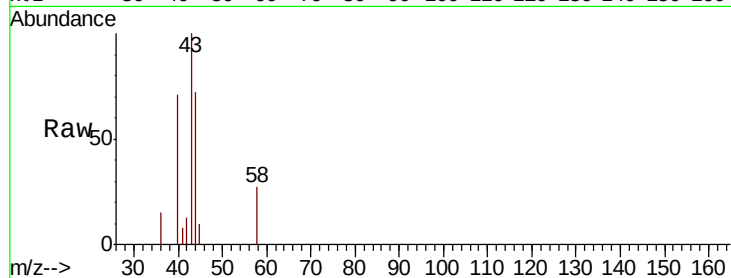
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 43 Resp: 5321

Ion Ratio Lower Upper

43 100

58 29.4 26.0 39.0



#17

Carbon Disulfide

Concen: 0.291 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN052478.D

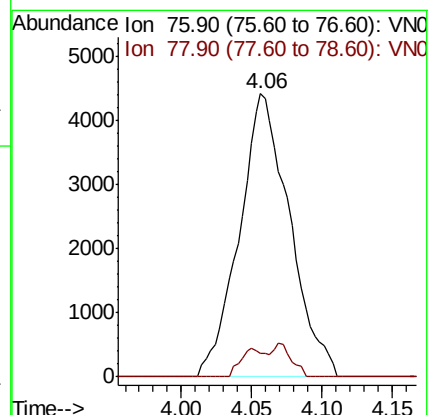
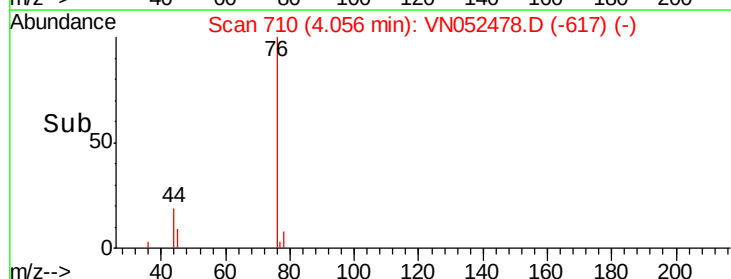
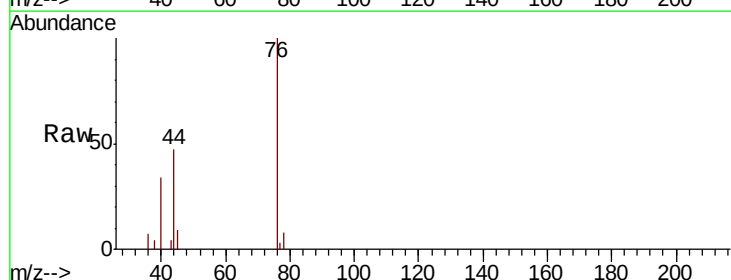
Acq: 27 Nov 2018 15:00

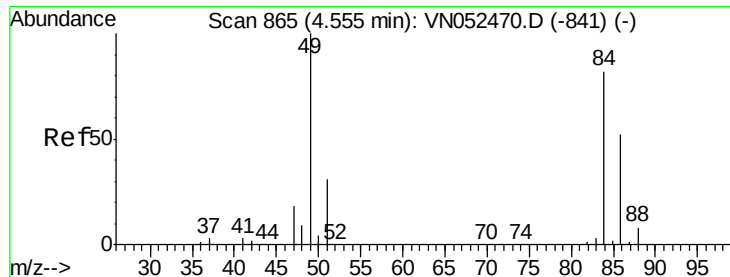
Tgt Ion: 76 Resp: 11014

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.0

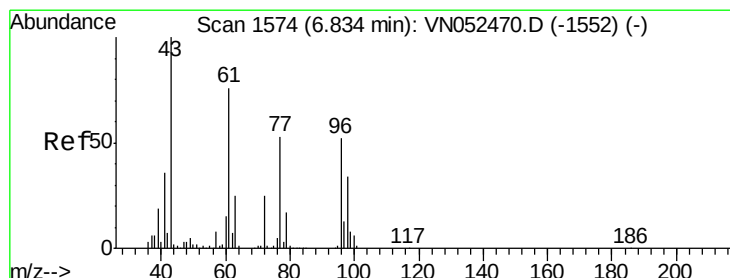
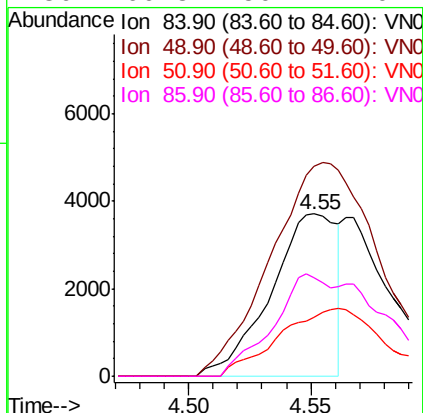
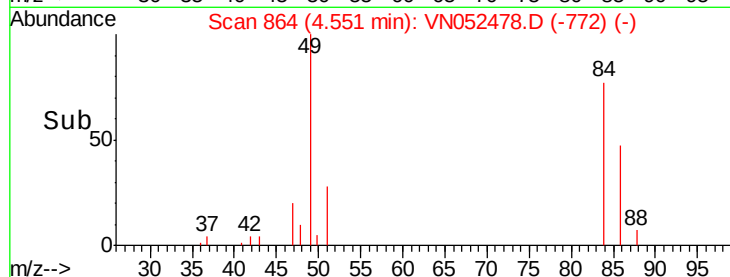
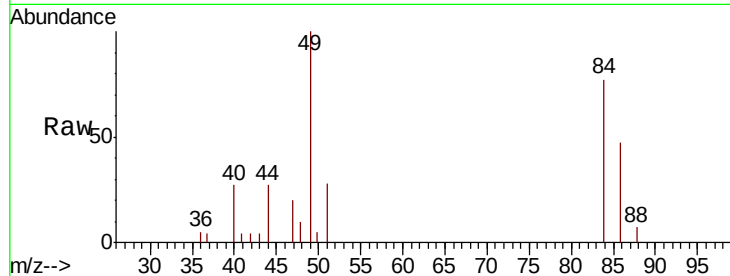




#20
Methvlene Chloride
Concen: 0.485 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052478.D
Acq: 27 Nov 2018 15:00

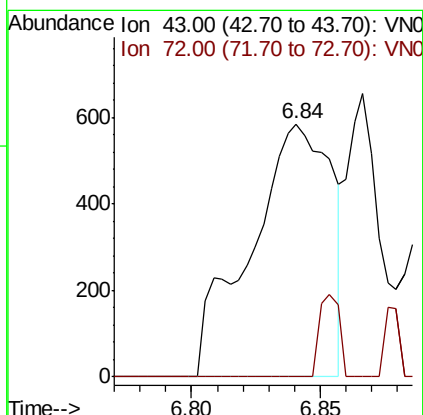
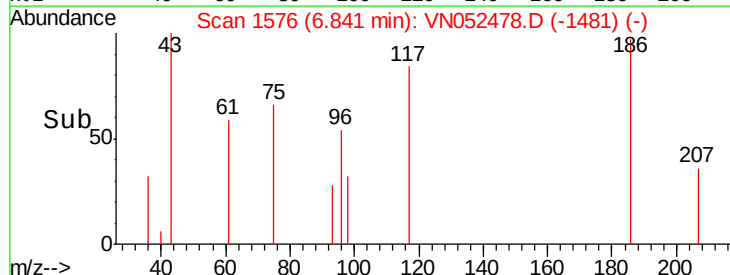
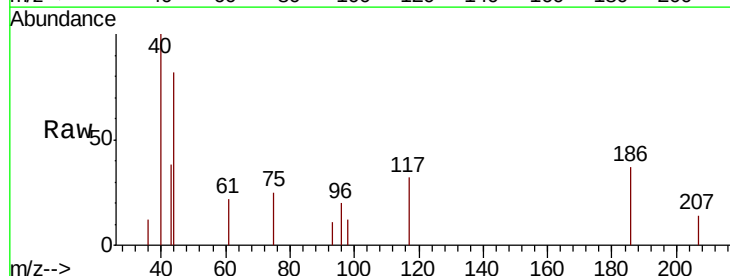
Instrument :
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STORAGE-BLANK-SOIL-REF-6

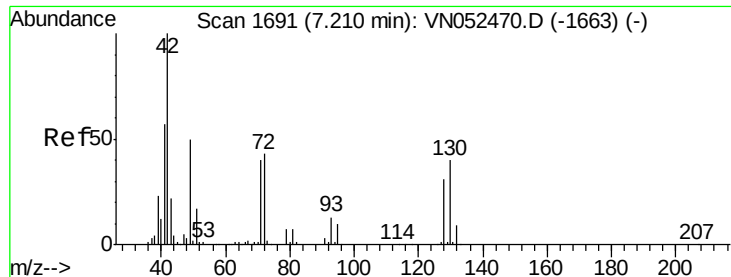
Tot Ion: 84 Resp: 6990
Ion Ratio Lower Upper
84 100
49 129.3 98.0 147.0
51 36.1 30.1 45.1
86 60.8 50.7 76.1



#25
2-Butanone
Concen: 0.245 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.01 min
Lab File: VN052478.D
Acq: 27 Nov 2018 15:00

Tgt Ion: 43 Resp: 1278
Ion Ratio Lower Upper
43 100
72 0.0 20.1 30.1#





#29

Tetrahydrofuran

Concen: 0.441 ug/l

RT: 7.23 min Scan# 1698

Delta R.T. 0.02 min

Lab File: VN052478.D

Acq: 27 Nov 2018 15:00

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

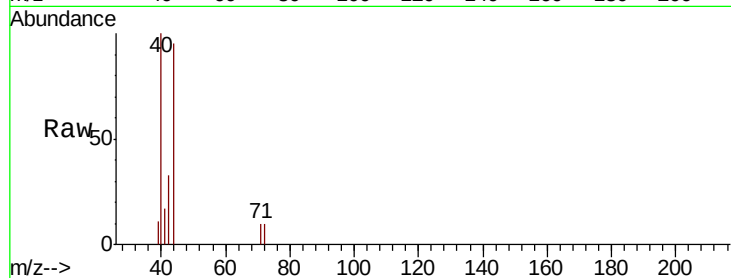
Tot Ion: 42 Resp: 1486

Ion Ratio Lower Upper

42 100

72 0.0 33.3 49.9#

71 8.3 32.0 48.0#

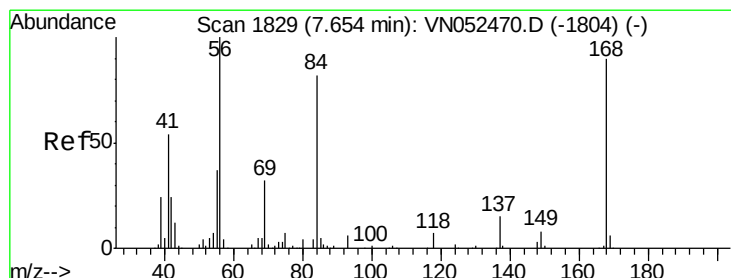
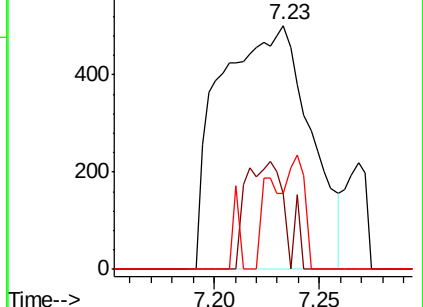
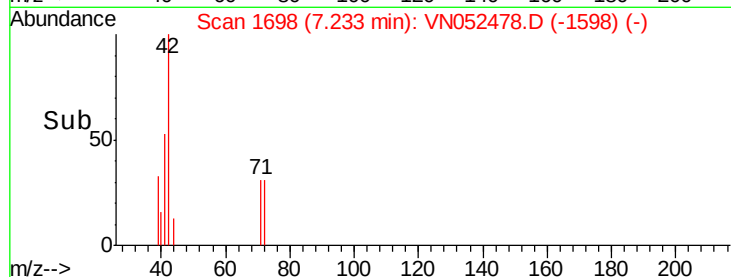


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

Time-->



#31

Cyclohexane

Concen: 0.640 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN052478.D

Acq: 27 Nov 2018 15:00

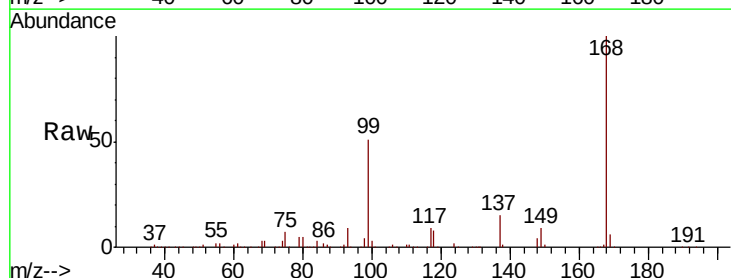
Tgt Ion: 56 Resp: 24065

Ion Ratio Lower Upper

56 100

69 175.3 25.8 38.6#

84 153.6 65.3 97.9#

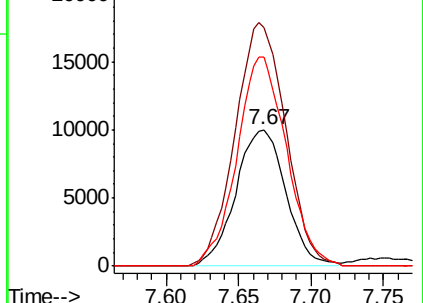
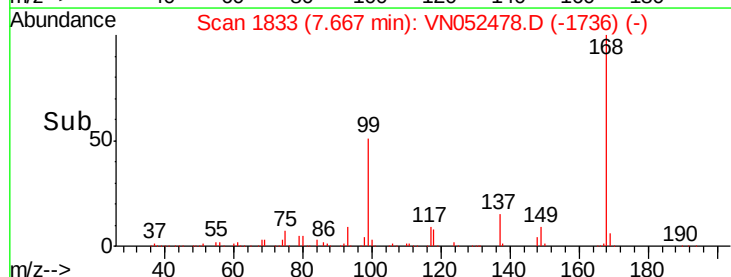


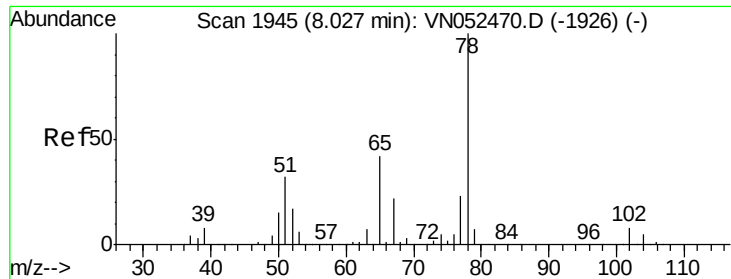
Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

Time-->

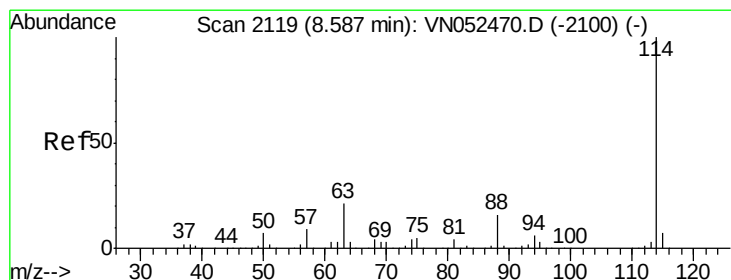
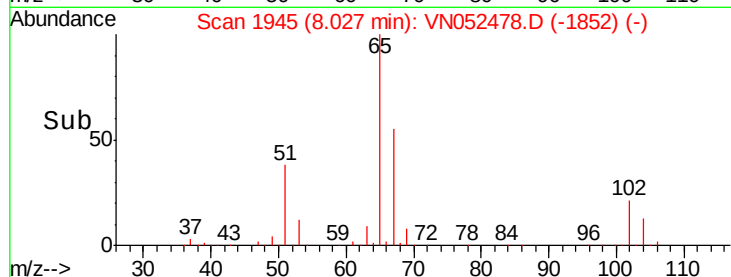
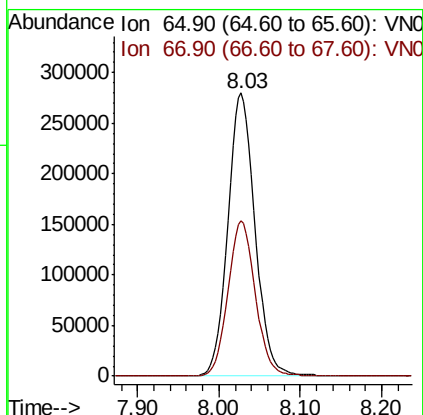
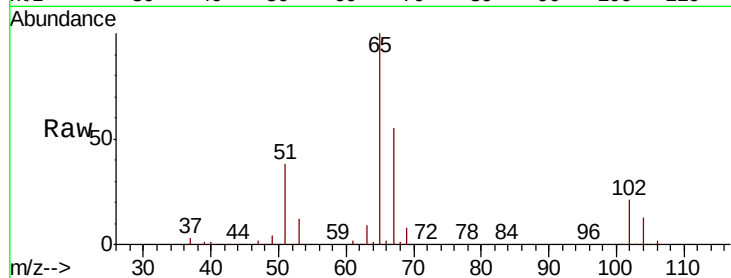




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052478.D
 Acq: 27 Nov 2018 15:00

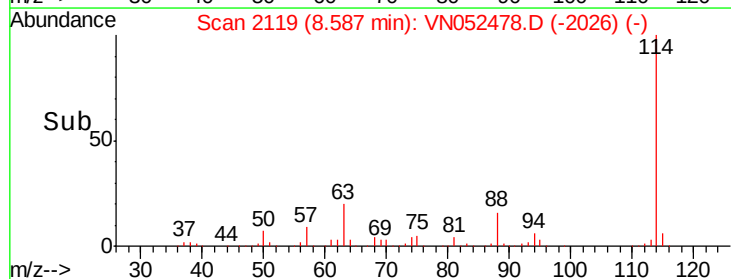
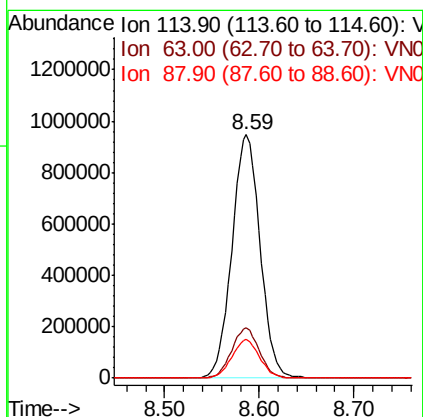
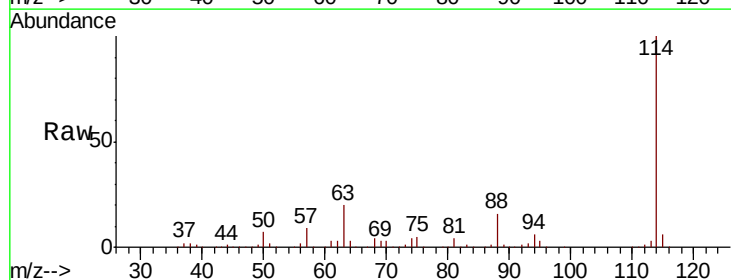
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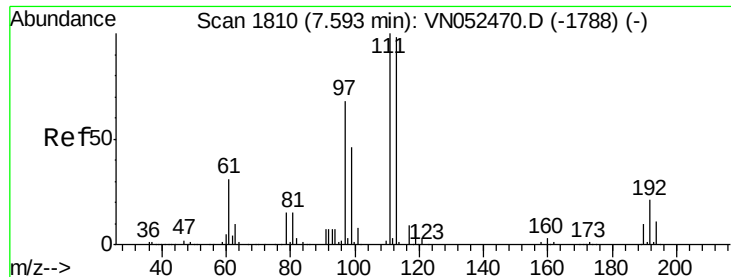
Tot Ion: 65 Resp: 654102
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052478.D
 Acq: 27 Nov 2018 15:00

Tgt Ion: 114 Resp: 1956585
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.8
 88 15.8 0.0 31.6

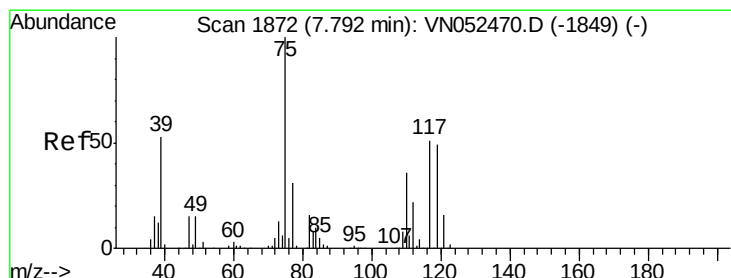
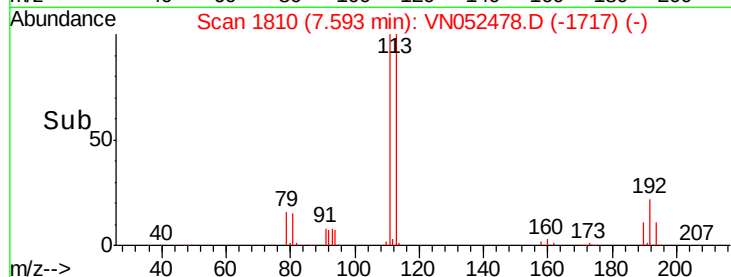
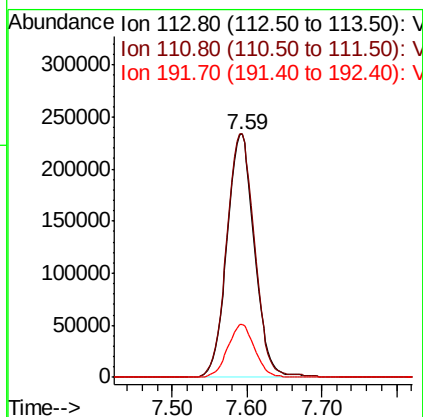
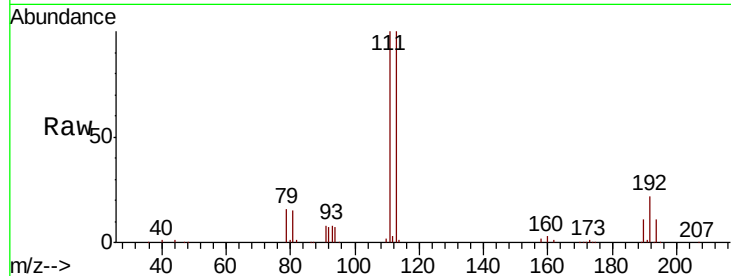




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052478.D
 Acq: 27 Nov 2018 15:00

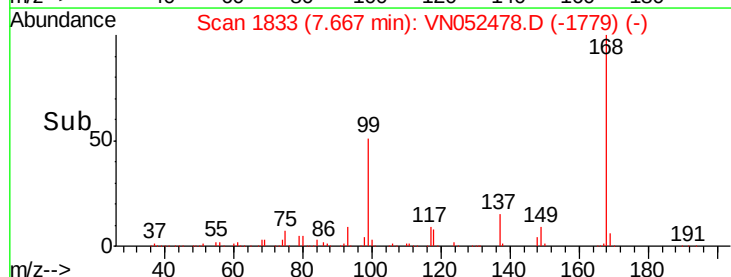
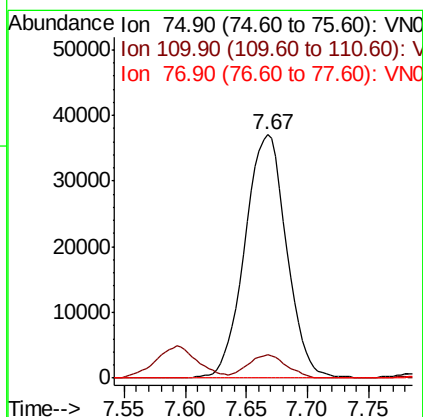
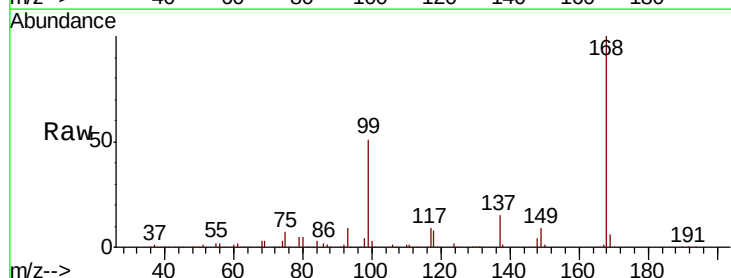
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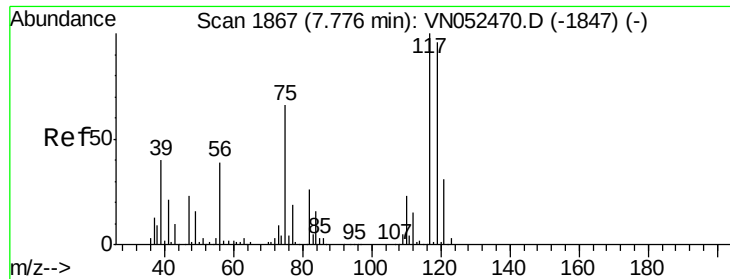
Tot Ion:113 Resp: 595704
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.0 123.0
 192 21.3 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 4.735 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052478.D
 Acq: 27 Nov 2018 15:00

Tgt Ion: 75 Resp: 87485
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.5 52.6#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.810 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052478.D

Acq: 27 Nov 2018 15:00

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

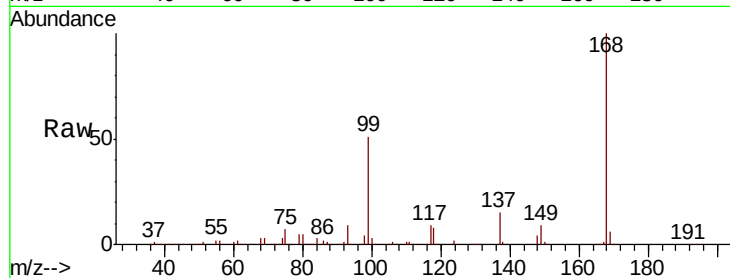
Tot Ion:117 Resp: 113904

Ion Ratio Lower Upper

117 100

119 4.8 76.8 115.2#

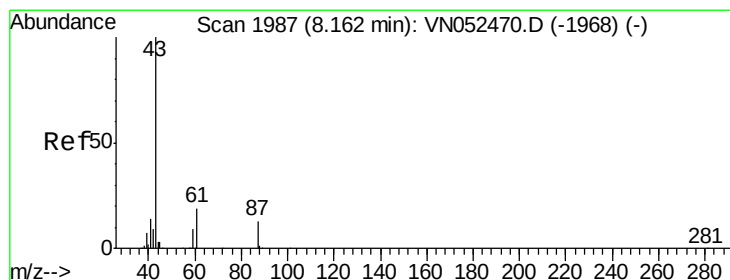
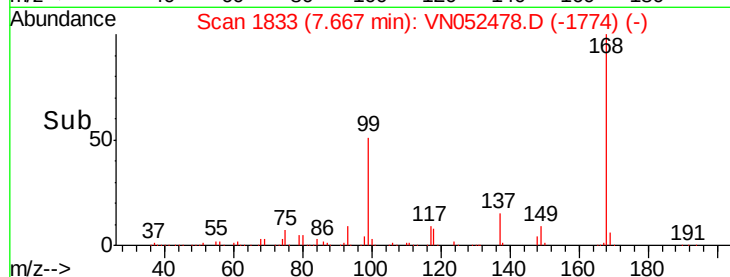
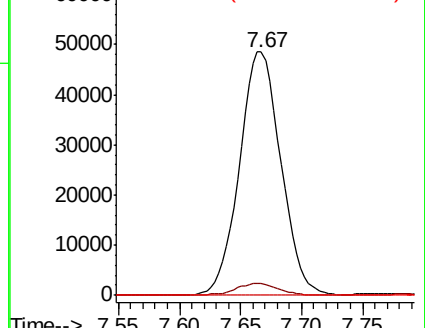
121 0.0 24.9 37.3#



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: 0.942 ug/l

RT: 8.27 min Scan# 2021

Delta R.T. 0.11 min

Lab File: VN052478.D

Acq: 27 Nov 2018 15:00

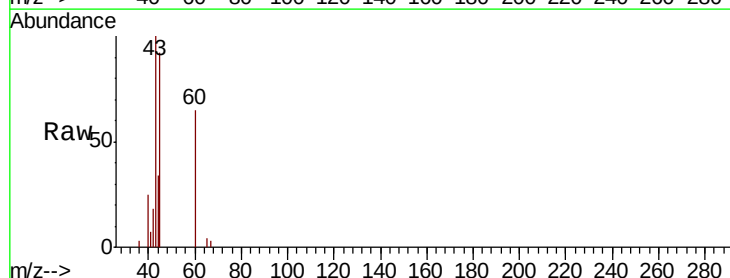
Tgt Ion: 43 Resp: 17976

Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

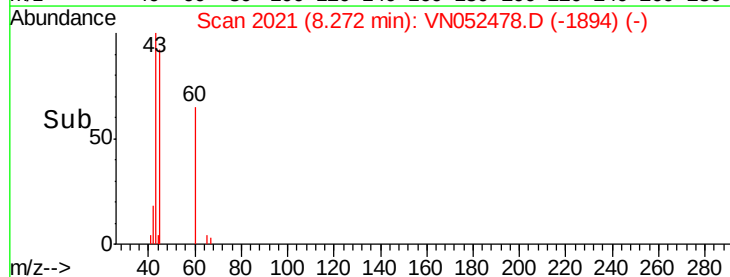
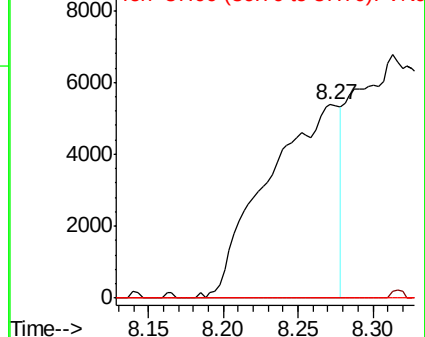
87 0.0 10.6 15.8#

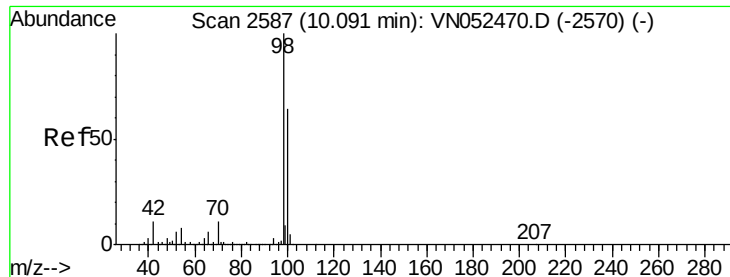


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052478.D

Acq: 27 Nov 2018 15:00

Instrument :

MSVOA_N

ClientSampleId :

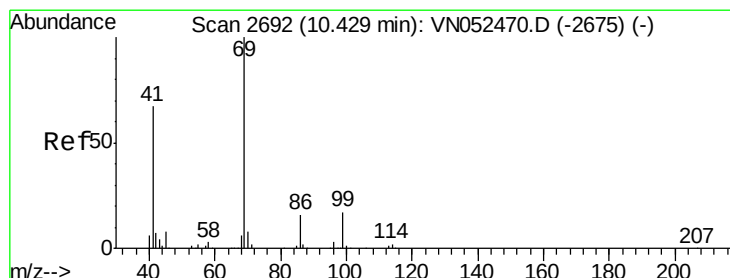
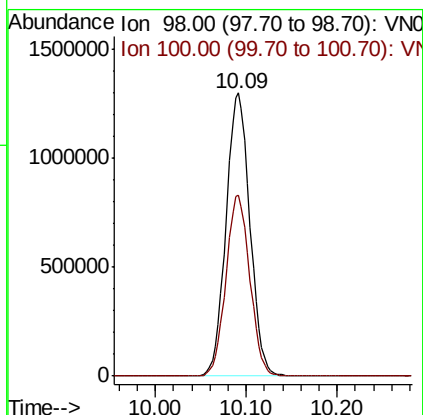
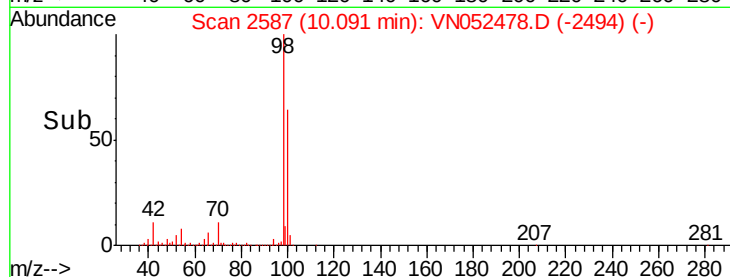
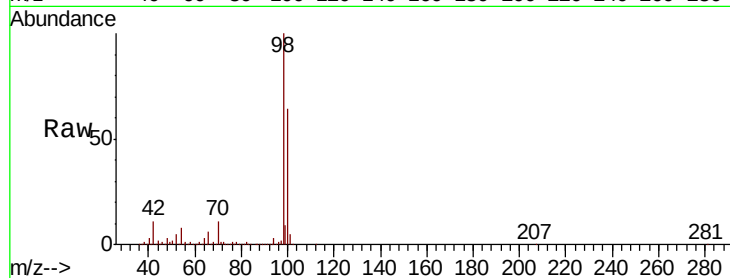
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 98 Resp: 2364520

Ion Ratio Lower Upper

98 100

100 64.0 51.3 76.9



#56

Ethyl methacrylate

Concen: 2.701 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN052478.D

Acq: 27 Nov 2018 15:00

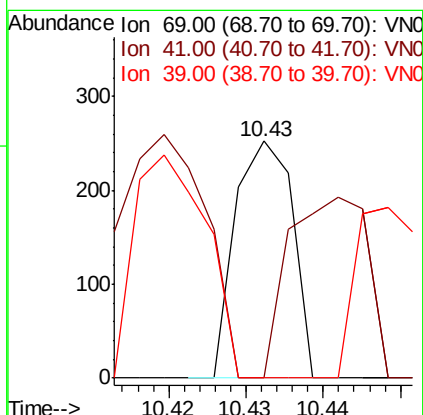
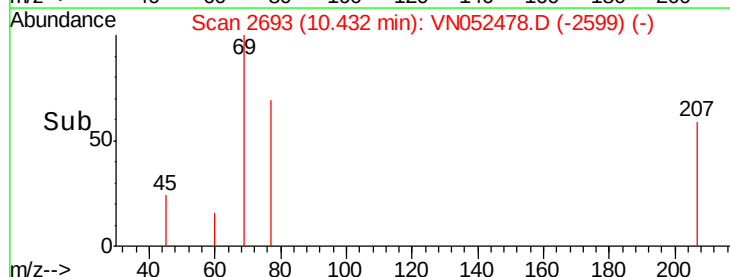
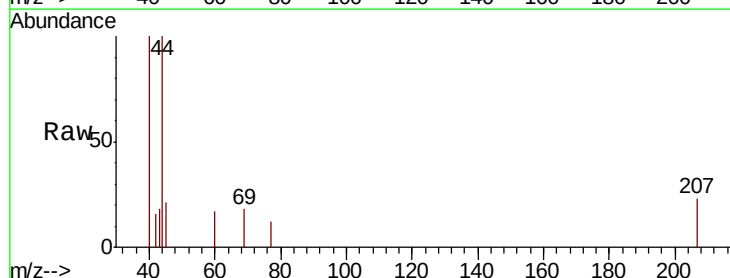
Tgt Ion: 69 Resp: 130

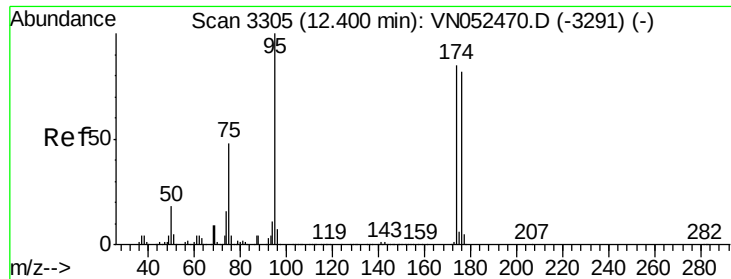
Ion Ratio Lower Upper

69 100

41 104.6 52.6 79.0#

39 76.2 25.9 38.9#

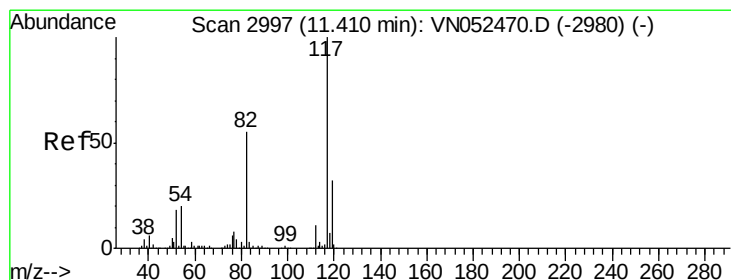
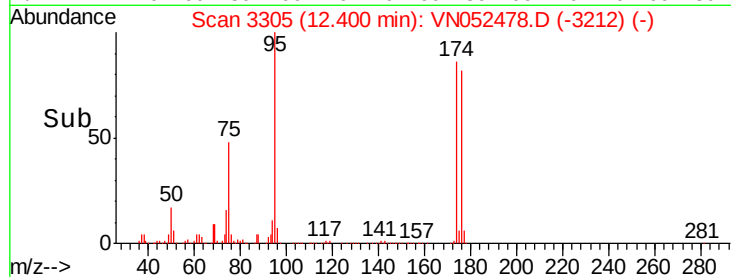
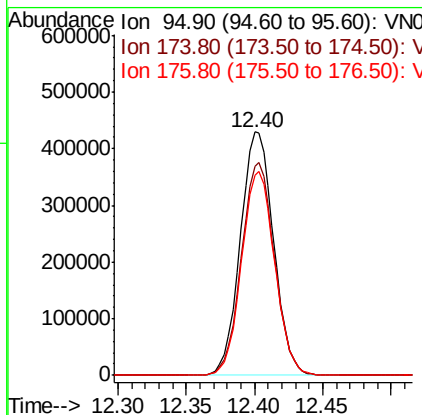
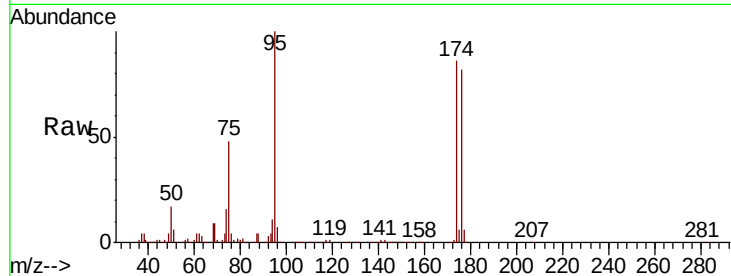




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052478.D
Acq: 27 Nov 2018 15:00

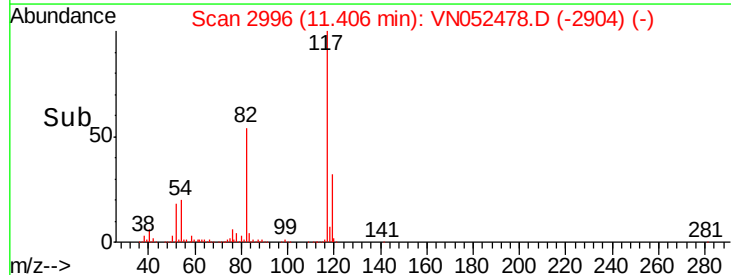
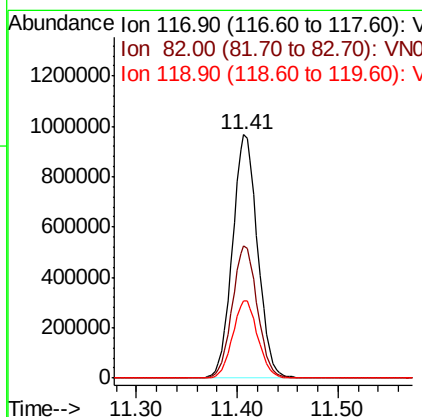
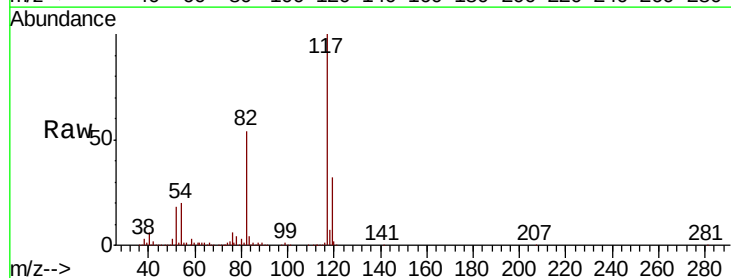
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

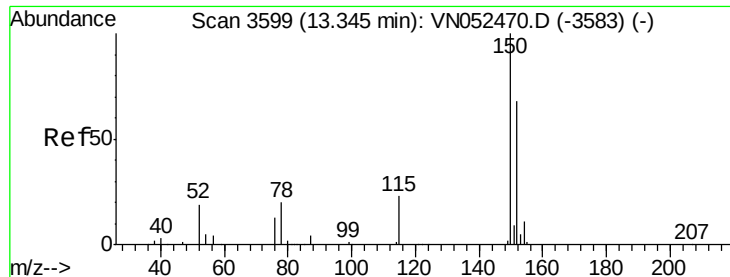
Tot Ion: 95 Resp: 727669
Ion Ratio Lower Upper
95 100
174 86.7 0.0 173.0
176 83.4 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052478.D
Acq: 27 Nov 2018 15:00

Tgt Ion: 117 Resp: 1670558
Ion Ratio Lower Upper
117 100
82 54.5 43.6 65.4
119 31.9 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052478.D

Acq: 27 Nov 2018 15:00

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

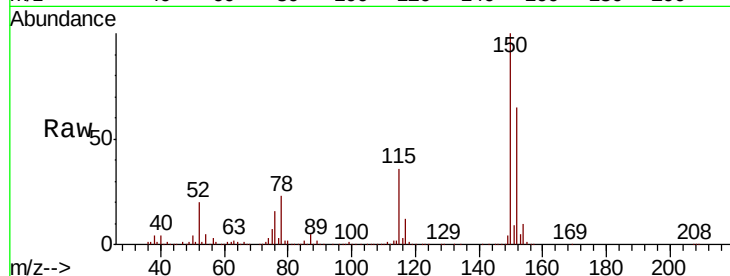
Tot Ion:152 Resp: 616302

Ion Ratio Lower Upper

152 100

115 56.4 28.4 85.2

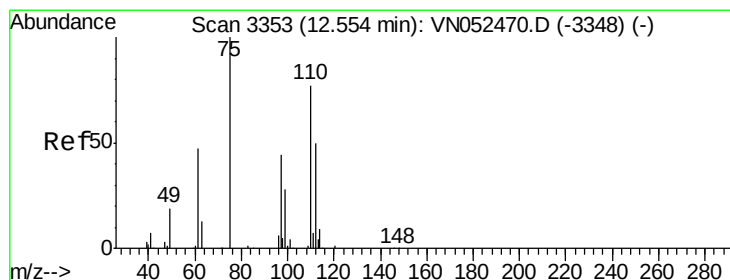
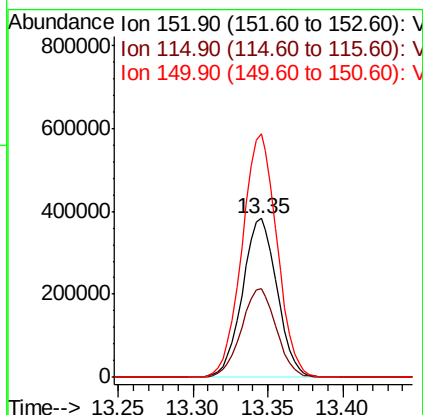
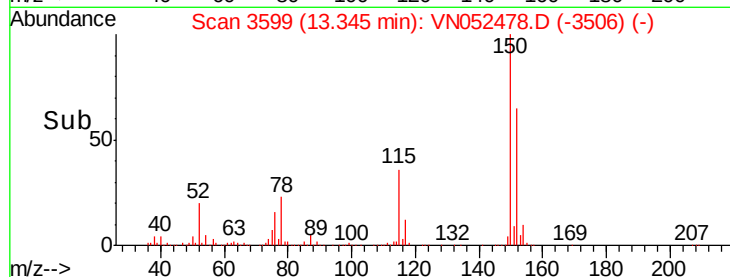
150 154.4 0.0 346.0



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



#76

1,2,3-Trichloropropane

Concen: 36.751 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052478.D

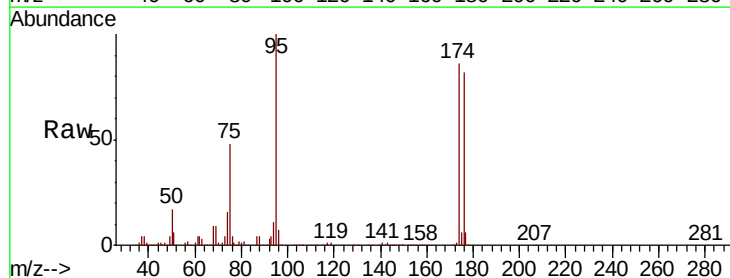
Acq: 27 Nov 2018 15:00

Tgt Ion: 75 Resp: 349268

Ion Ratio Lower Upper

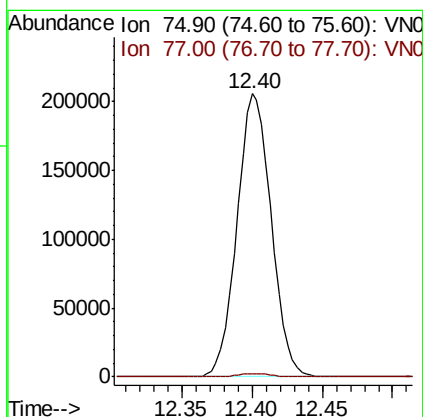
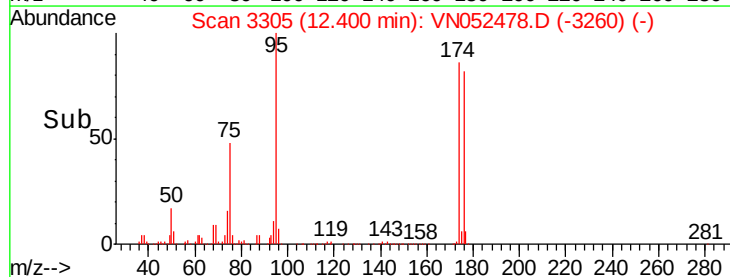
75 100

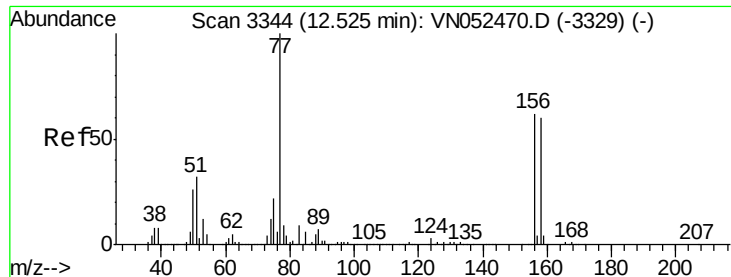
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#77

Bromobenzene

Concen: 0.388 ug/l

RT: 12.54 min Scan# 3350

Delta R.T. 0.02 min

Lab File: VN052478.D

Acq: 27 Nov 2018 15:00

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

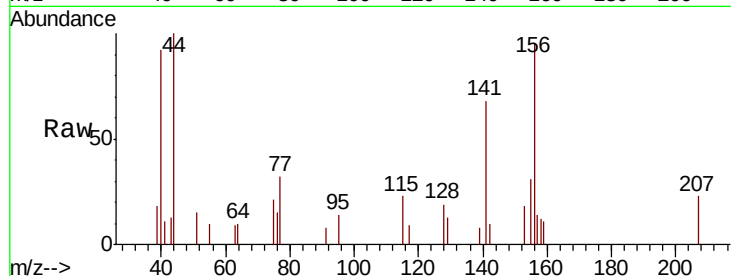
Tot Ion:156 Resp: 4633

Ion Ratio Lower Upper

156 100

77 57.4 93.5 280.4#

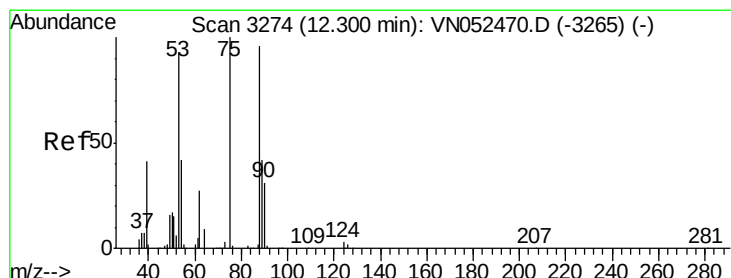
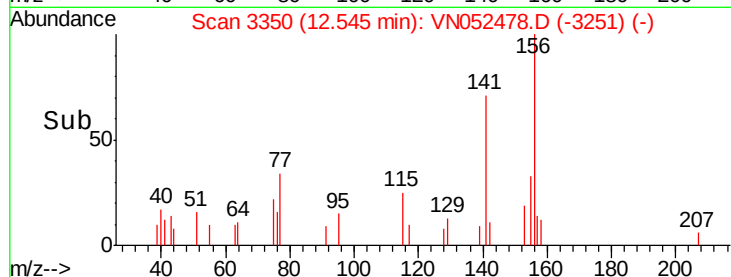
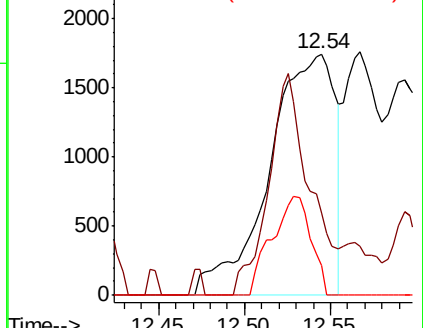
158 24.3 48.3 144.9#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 122.730 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052478.D

Acq: 27 Nov 2018 15:00

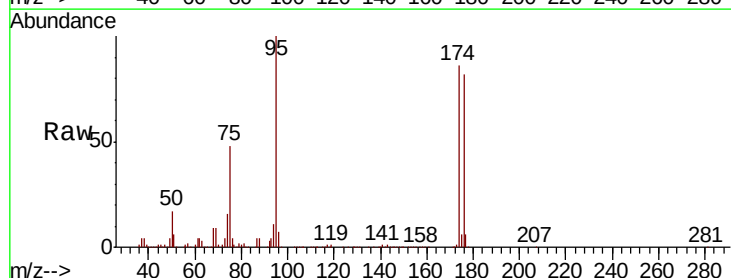
Tgt Ion: 75 Resp: 349268

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

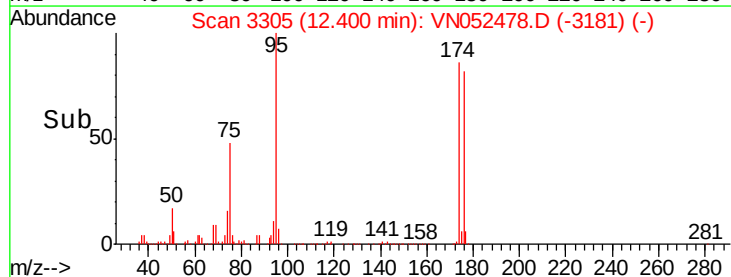
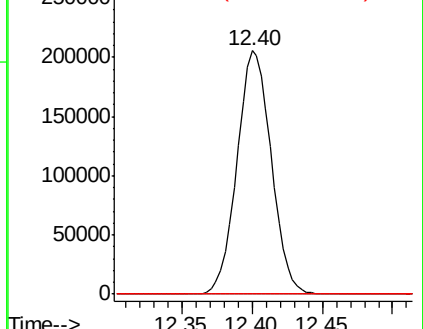
89 0.0 35.4 53.2#

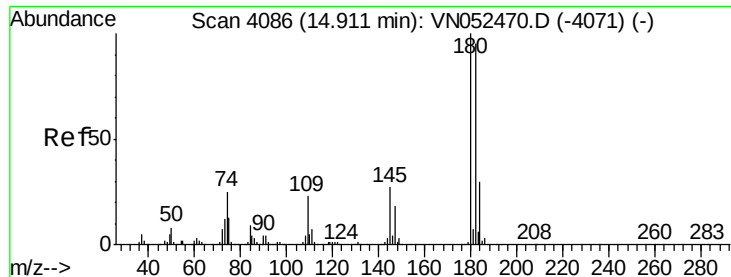


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

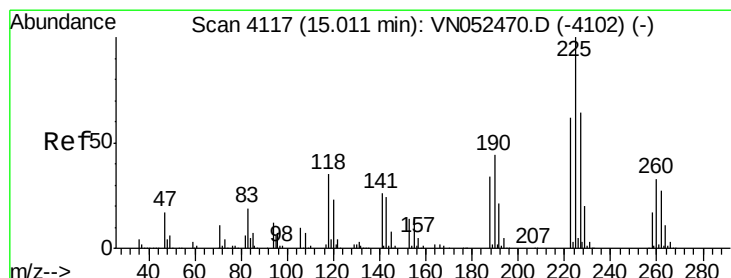
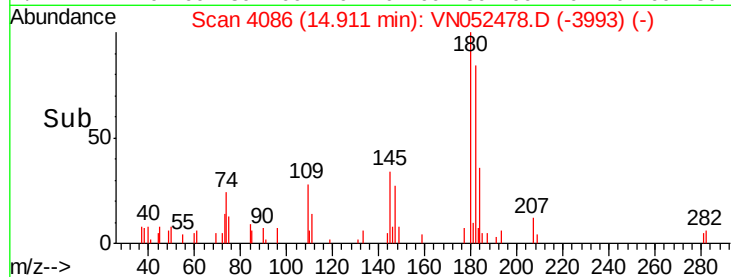
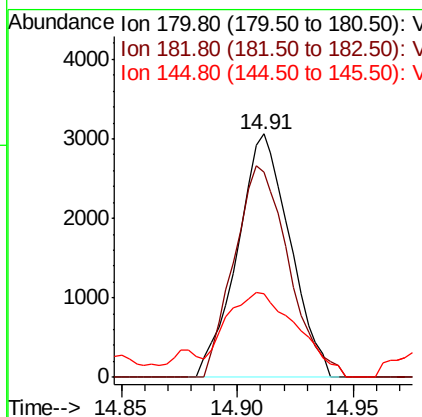
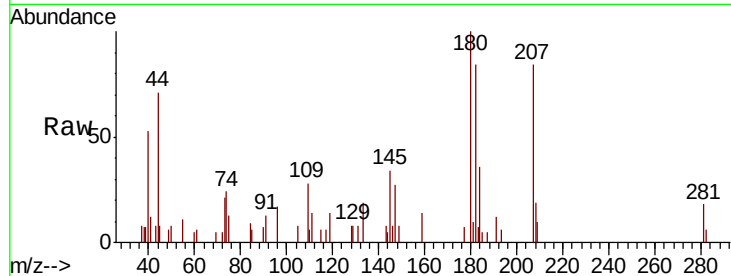




#93
 1,2,4-Trichlorobenzene
 Concen: 3.244 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052478.D
 Acq: 27 Nov 2018 15:00

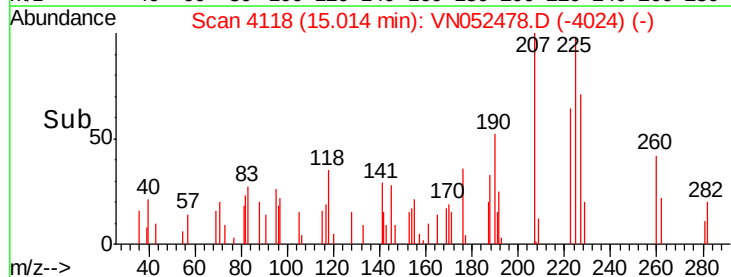
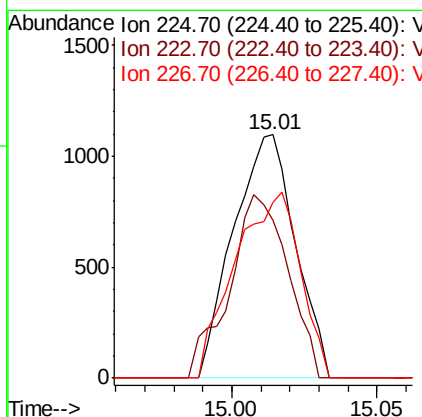
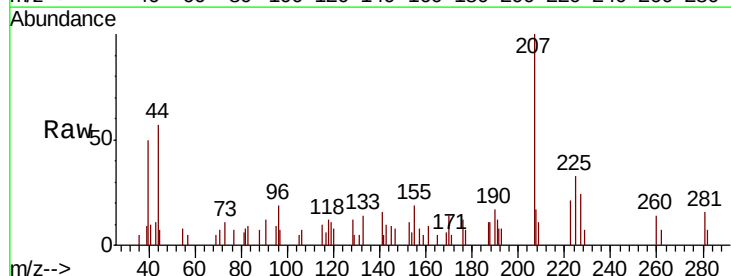
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

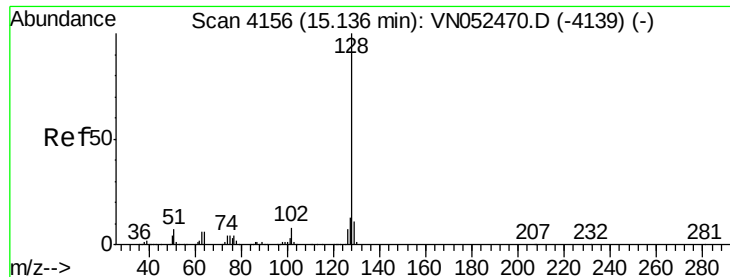
Tot Ion:180 Resp: 4810
 Ion Ratio Lower Upper
 180 100
 182 90.6 47.8 143.4
 145 47.5 14.1 42.3#



#94
 Hexachlorobutadiene
 Concen: 0.253 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN052478.D
 Acq: 27 Nov 2018 15:00

Tgt Ion:225 Resp: 1625
 Ion Ratio Lower Upper
 225 100
 223 71.2 31.4 94.2
 227 80.7 32.5 97.4





#95

Naphthalene

Concen: 4.012 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052478.D

Acq: 27 Nov 2018 15:00

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

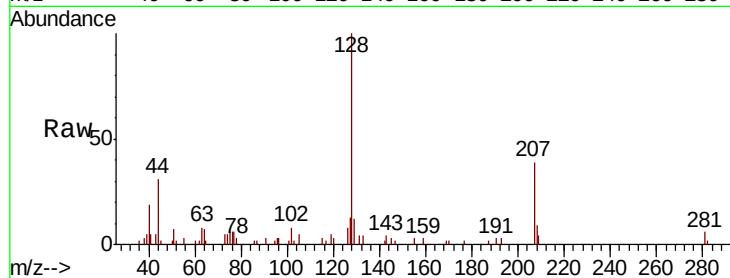
Tot Ion:128 Resp: 14536

Ion Ratio Lower Upper

128 100

127 15.2 10.2 15.2

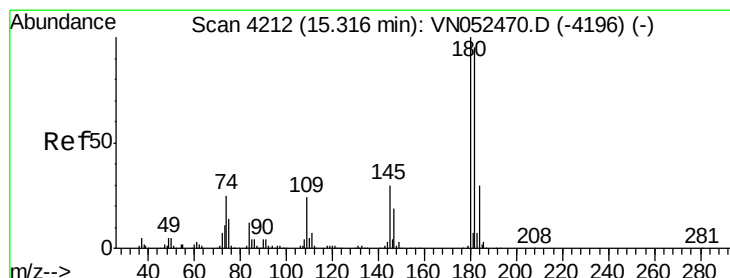
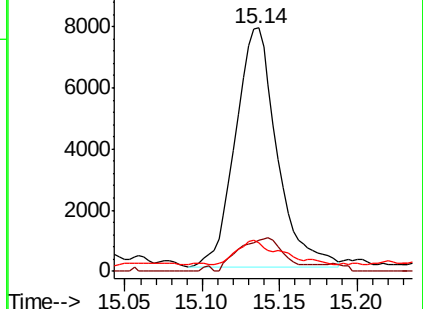
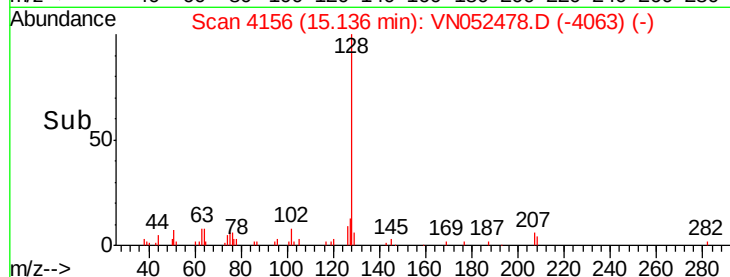
129 9.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.163 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN052478.D

Acq: 27 Nov 2018 15:00

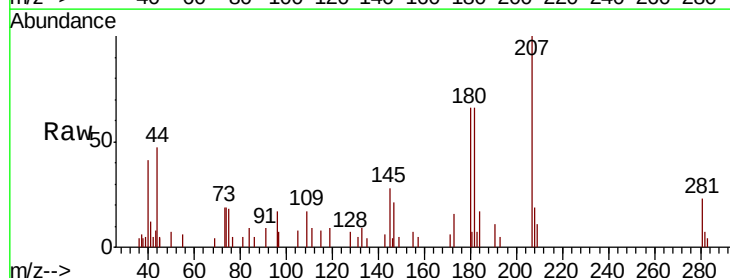
Tgt Ion:180 Resp: 4635

Ion Ratio Lower Upper

180 100

182 102.6 47.8 143.3

145 64.2 15.2 45.5#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

