

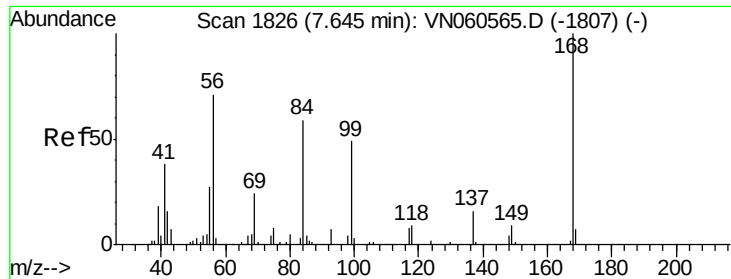
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040720\
 Data File : VN060878.D
 Acq On : 7 Apr 2020 15:41
 Operator : JC/MD
 Sample : L2167-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-4

Quant Time: Apr 08 02:41:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	201912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	336582	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	315047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138688	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	130169	46.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.92%	
35) Dibromofluoromethane	7.56	113	101707	49.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.94%	
50) Toluene-d8	10.08	98	415957	50.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.08%	
62) 4-Bromofluorobenzene	12.40	95	154547	50.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.46%	
Target Compounds						
					Qvalue	
16) Acetone	3.80	43	911	0.928	ug/l #	43
31) Cyclohexane	7.64	56	4190	0.939	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15716	4.822	ug/l #	50
38) Carbon Tetrachloride	7.64	117	19447	6.658	ug/l #	17
51) 4-Methyl-2-Pentanone	10.08	43	1838	0.556	ug/l #	1
71) Bromoform	12.39	173	273	1.821	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	77908	26.034	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	77908	66.862	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060878.D

Acq: 7 Apr 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

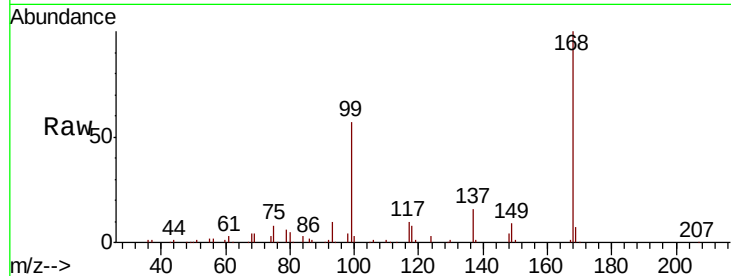
STORAGE-BLANK-SOIL-REF-4

Tot Ion:168 Resp: 201912

Ion Ratio Lower Upper

168 100

99 57.2 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060878.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN060878.D (-1733) (-)

7.64

80000

60000

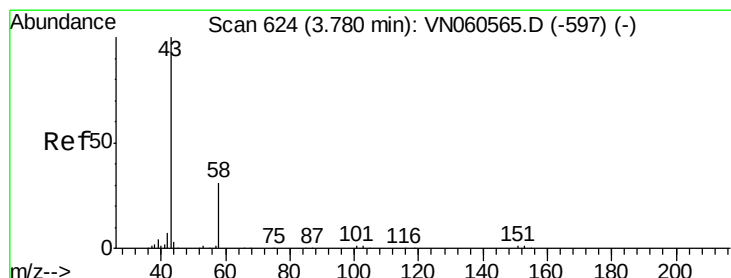
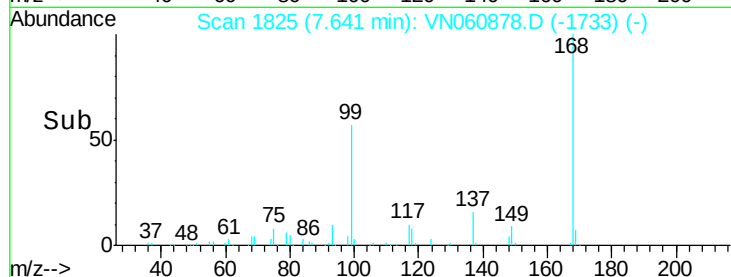
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 0.928 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.02 min

Lab File: VN060878.D

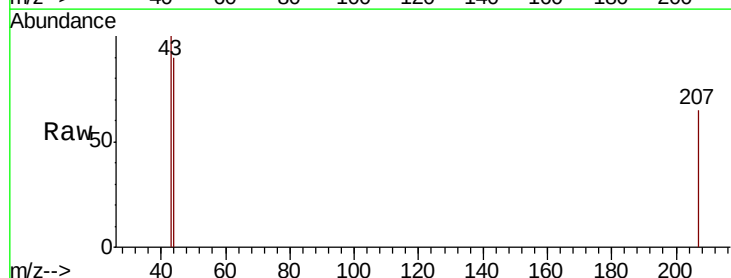
Acq: 7 Apr 2020 15:41

Tgt Ion: 43 Resp: 911

Ion Ratio Lower Upper

43 100

58 0.0 25.1 37.7#



Abundance Ion 43.00 (42.70 to 43.70): VN060878.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060878.D (-531) (-)

3.80

400

300

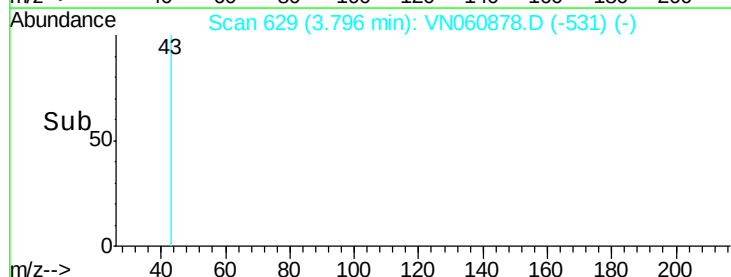
200

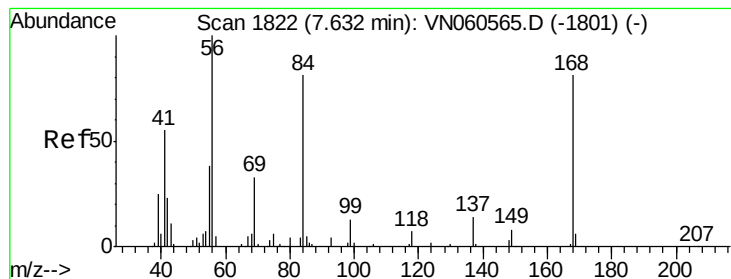
100

0

3.75 3.80 3.85

Time-->





#31

Cyclohexane

Concen: 0.939 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060878.D

Acq: 7 Apr 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-4

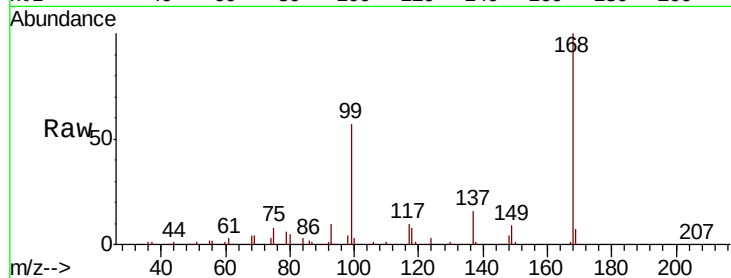
Tot Ion: 56 Resp: 4190

Ion Ratio Lower Upper

56 100

69 173.7 26.6 40.0#

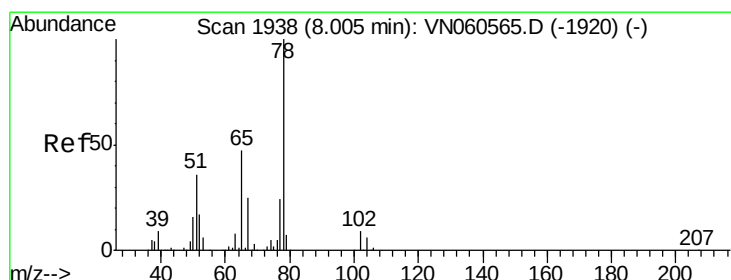
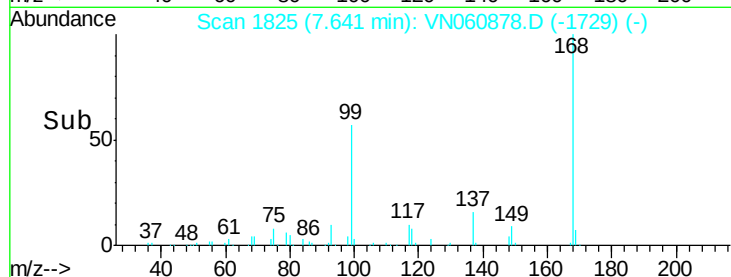
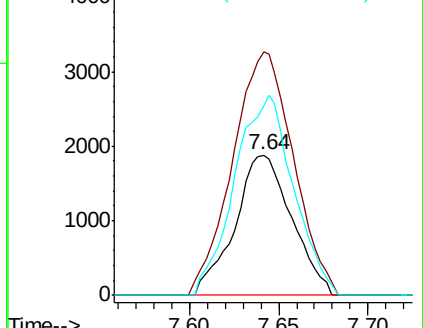
84 135.1 64.3 96.5#



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



#33

1,2-Dichloroethane-d4

Concen: 46.962 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060878.D

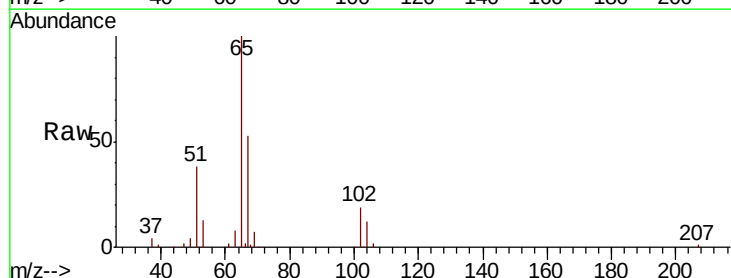
Acq: 7 Apr 2020 15:41

Tgt Ion: 65 Resp: 130169

Ion Ratio Lower Upper

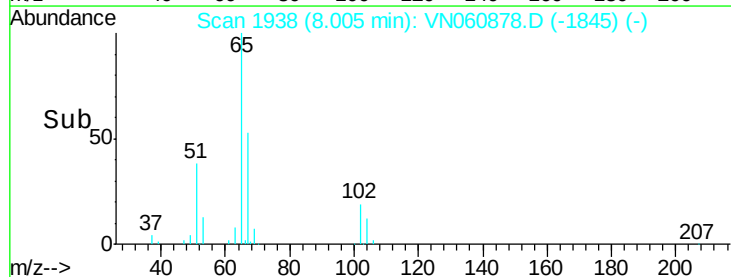
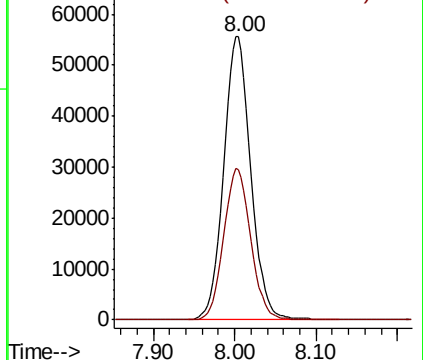
65 100

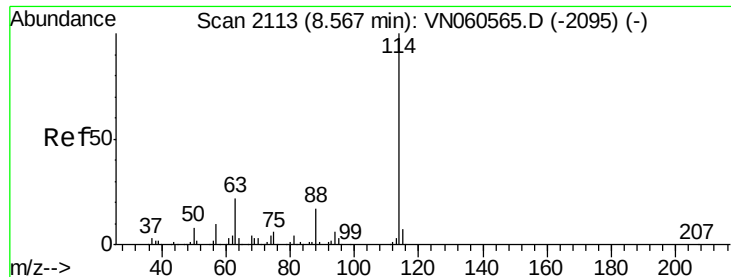
67 53.4 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

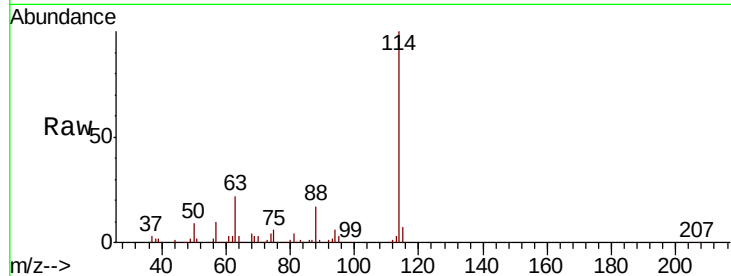




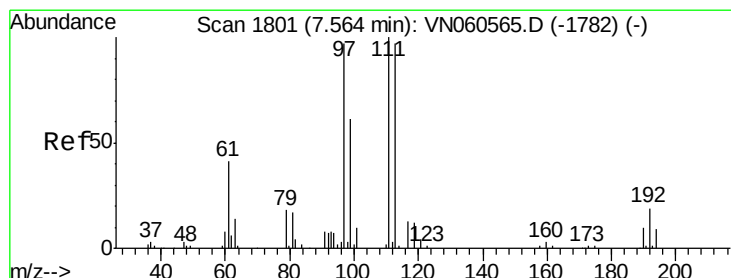
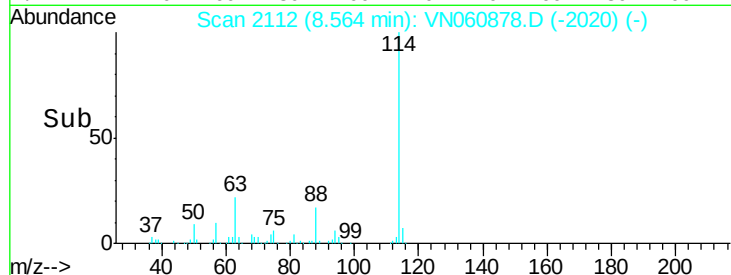
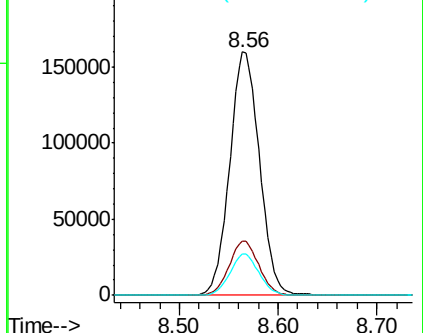
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.56 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VN060878.D
Acq: 7 Apr 2020 15:41

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-4

Tot Ion:114 Resp: 336582
Ion Ratio Lower Upper
114 100
63 22.2 0.0 43.8
88 16.8 0.0 33.0

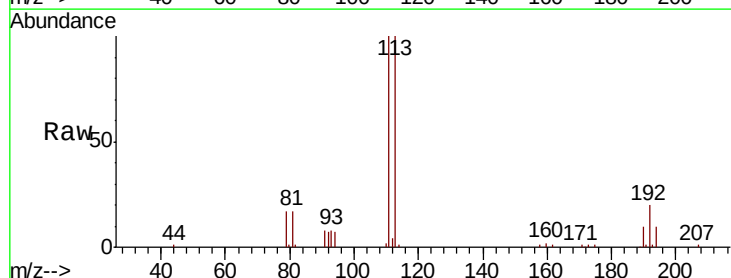


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

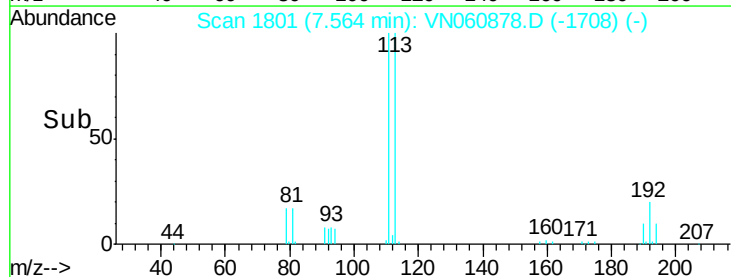
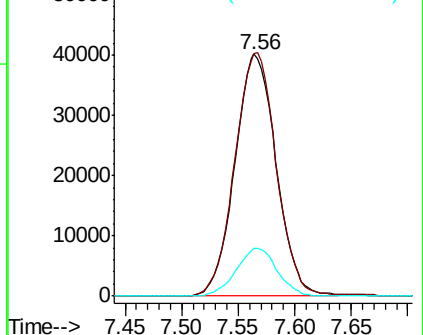


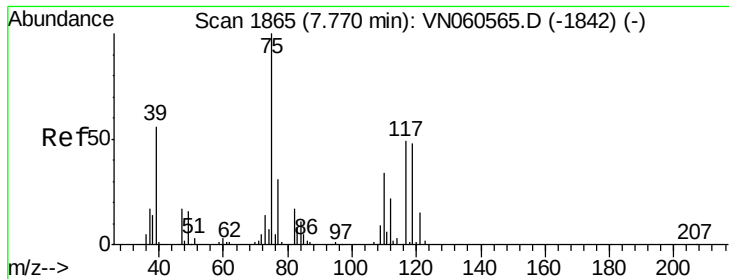
#35
Dibromofluoromethane
Concen: 49.974 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060878.D
Acq: 7 Apr 2020 15:41

Tgt Ion:113 Resp: 101707
Ion Ratio Lower Upper
113 100
111 101.2 82.9 124.3
192 19.5 15.8 23.8



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





#36

1,1-Dichloropropene

Concen: 4.822 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060878.D

Acq: 7 Apr 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-4

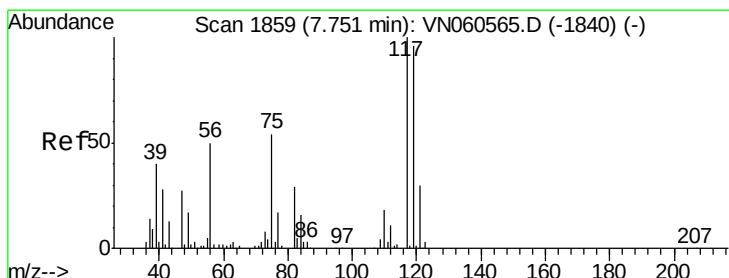
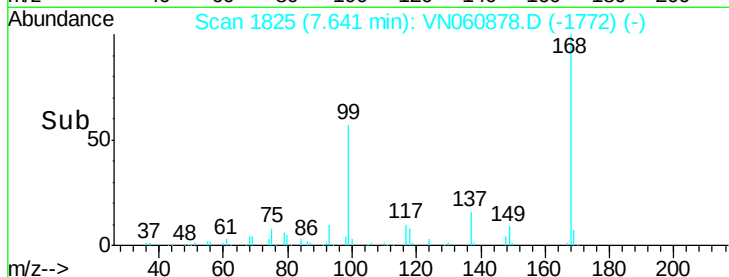
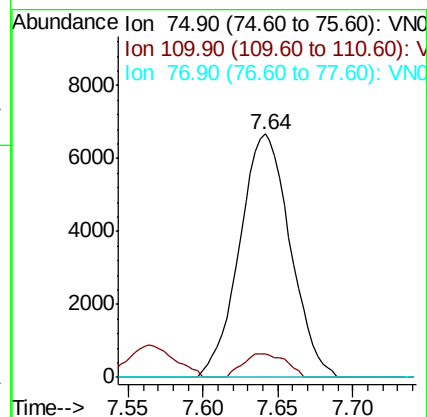
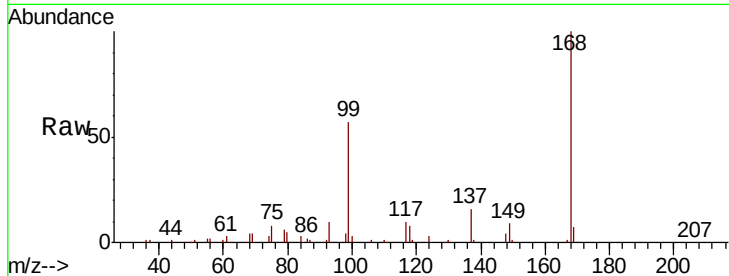
Tot Ion: 75 Resp: 15716

Ion Ratio Lower Upper

75 100

110 8.2 16.9 50.6#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.658 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060878.D

Acq: 7 Apr 2020 15:41

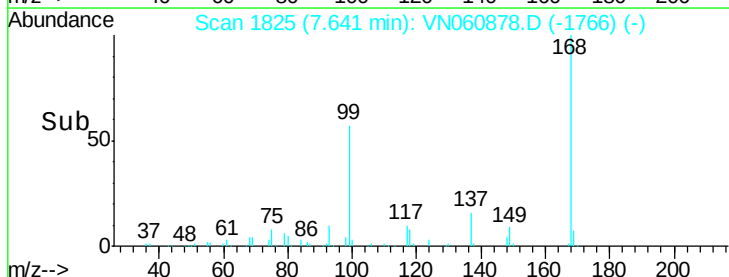
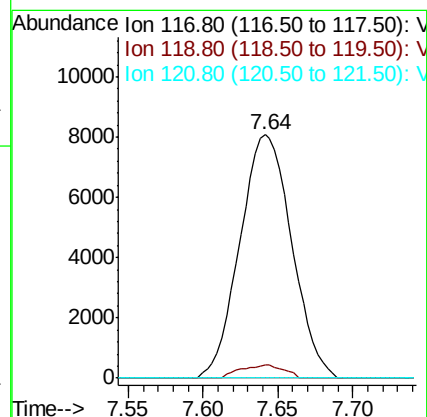
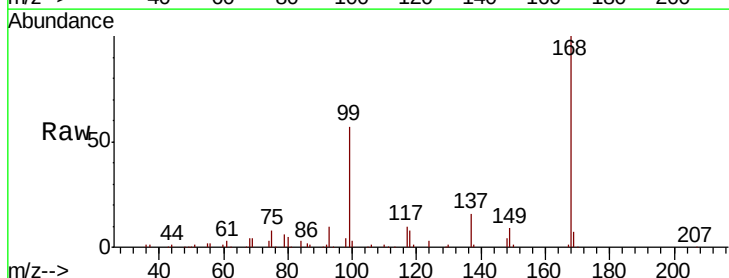
Tgt Ion: 117 Resp: 19447

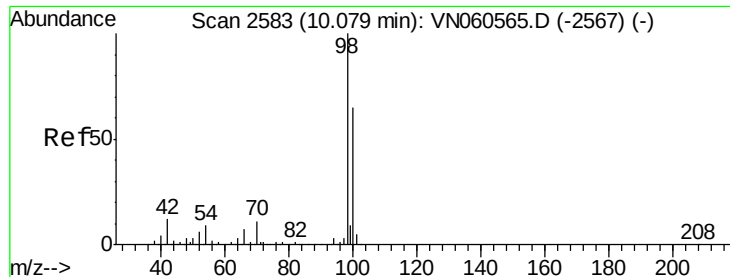
Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

121 0.0 23.7 35.5#

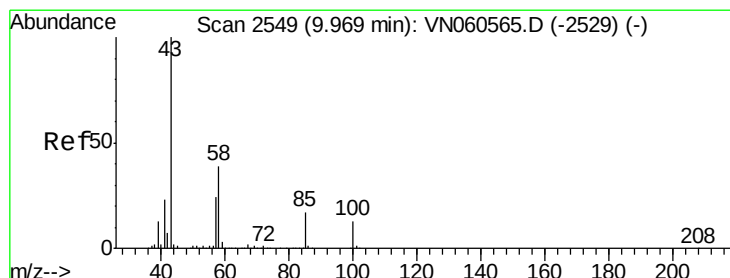
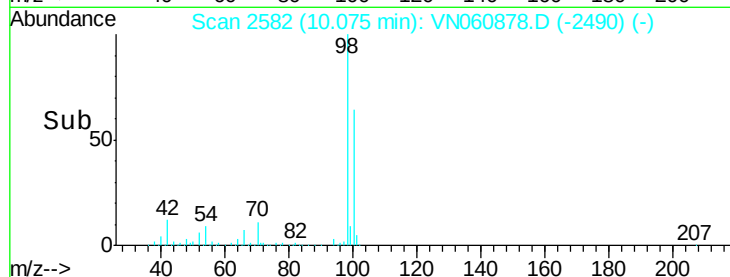
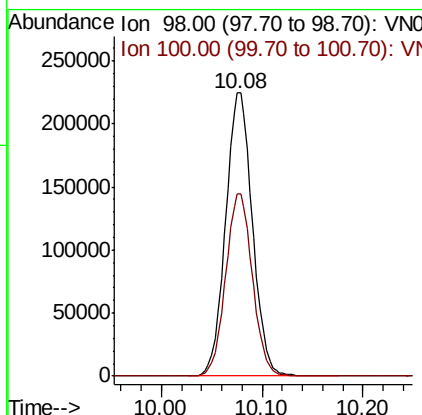
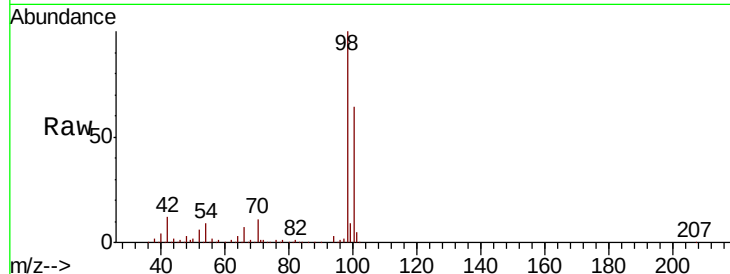




#50
Toluene-d8
Concen: 50.037 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060878.D
Acq: 7 Apr 2020 15:41

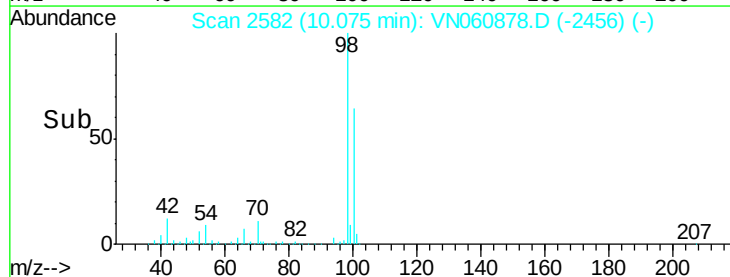
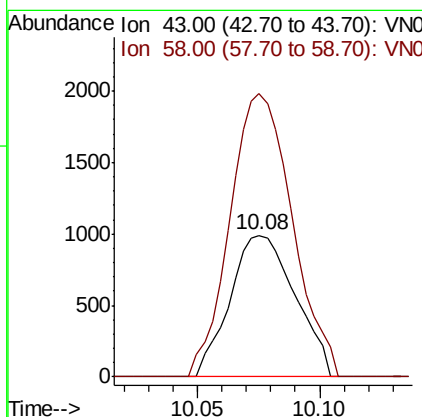
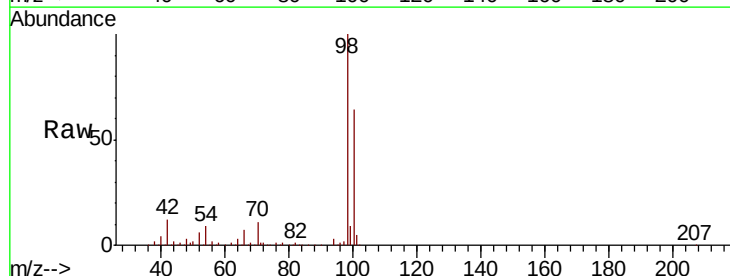
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-4

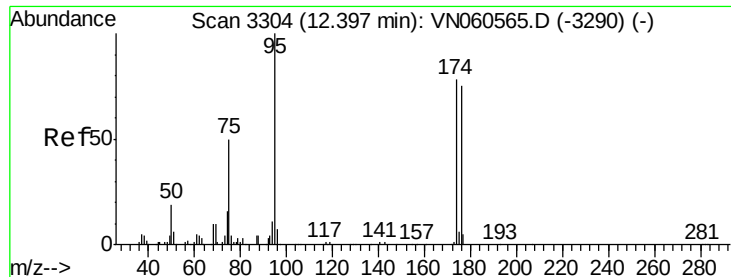
Tot Ion: 98 Resp: 415957
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 0.556 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.11 min
Lab File: VN060878.D
Acq: 7 Apr 2020 15:41

Tgt Ion: 43 Resp: 1838
Ion Ratio Lower Upper
43 100
58 190.9 30.8 46.2#

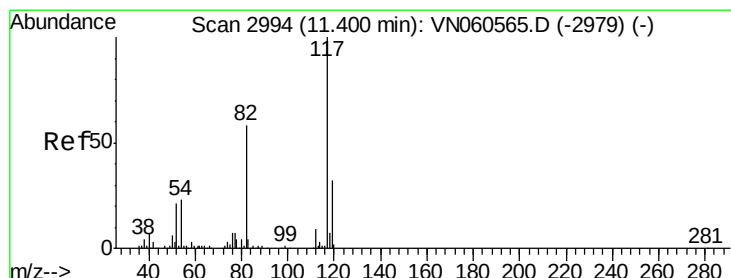
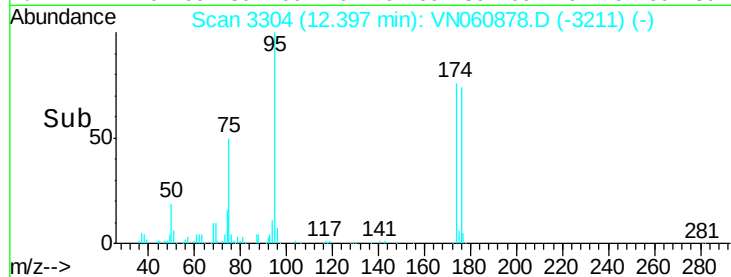
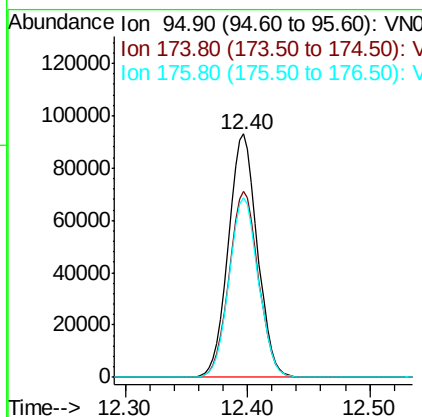
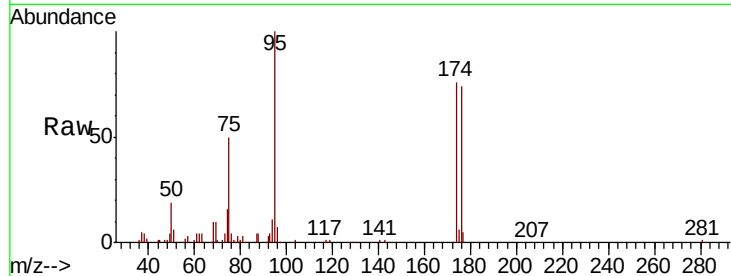




#62
4-Bromofluorobenzene
Concen: 50.728 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060878.D
Acq: 7 Apr 2020 15:41

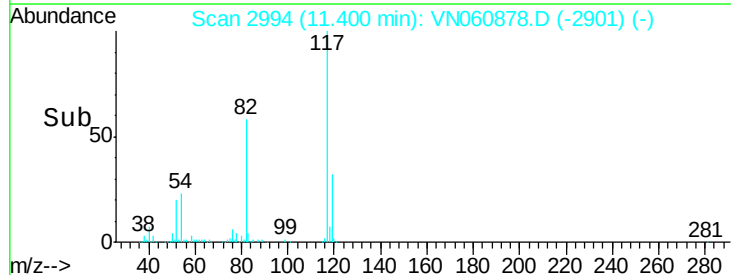
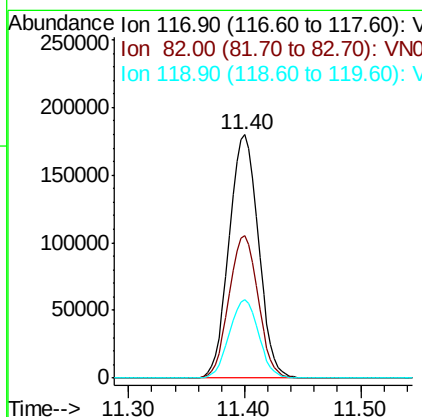
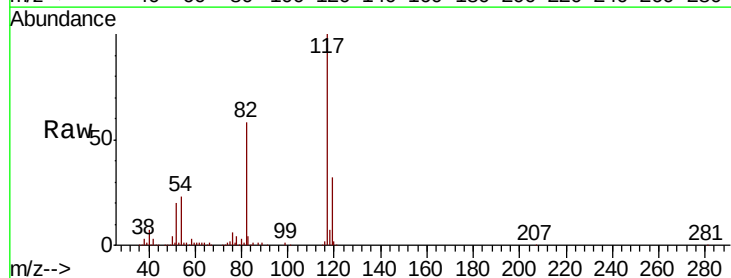
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-4

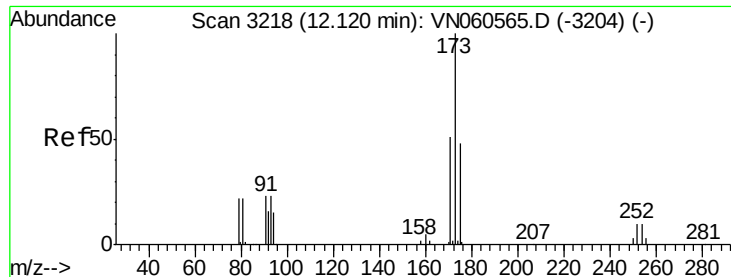
Tot Ion	95	Resp	154547
Ion Ratio	100		
Lower			
Upper			
174	77.1	0.0	157.6
176	74.5	0.0	150.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060878.D
Acq: 7 Apr 2020 15:41

Tgt Ion	117	Resp	315047
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
82	58.4	46.7	70.1
119	32.0	25.5	38.3





#71

Bromoform

Concen: 1.821 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN060878.D

Acq: 7 Apr 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-4

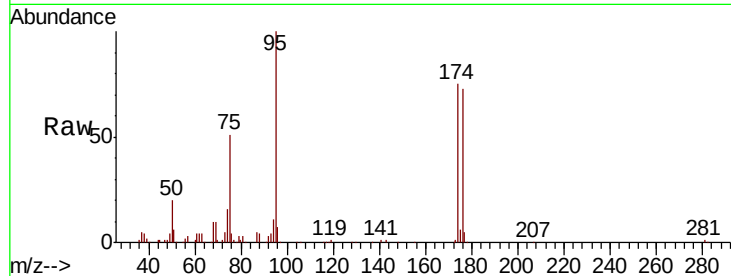
Tot Ion:173 Resp: 273

Ion Ratio Lower Upper

173 100

175 2805.1 24.1 72.4#

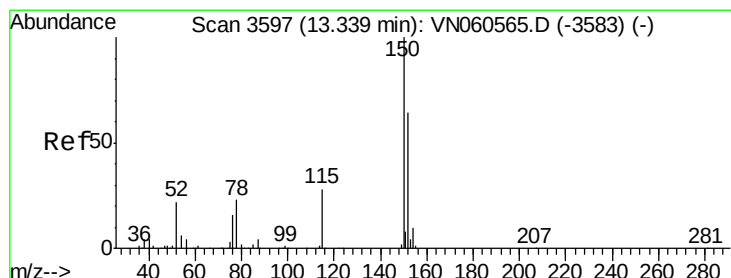
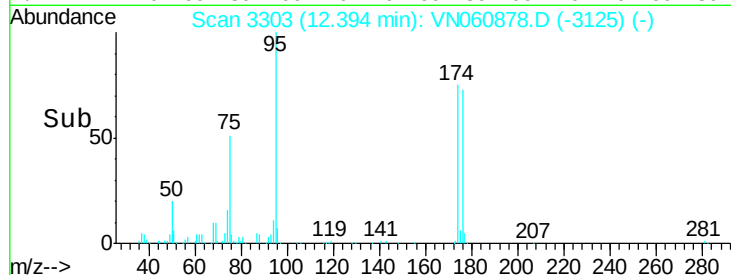
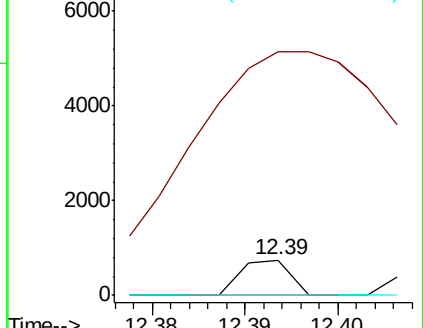
254 0.0 0.0 0.0



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: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060878.D

Acq: 7 Apr 2020 15:41

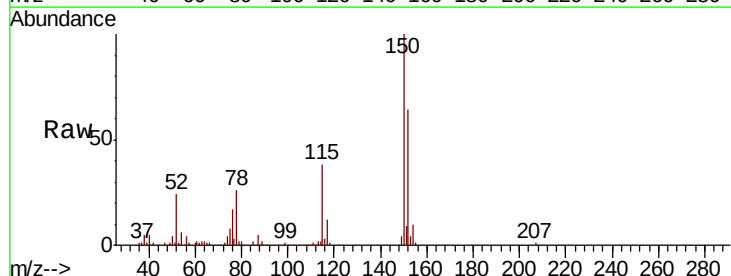
Tgt Ion:152 Resp: 138688

Ion Ratio Lower Upper

152 100

115 59.8 30.2 90.6

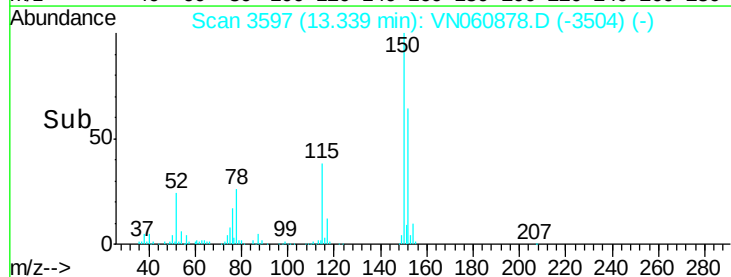
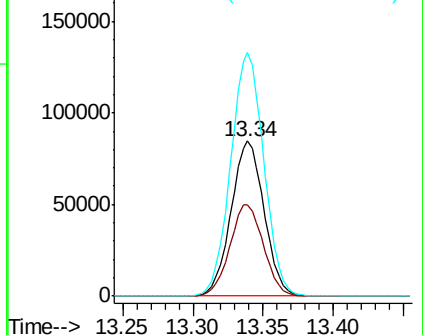
150 157.8 0.0 350.2

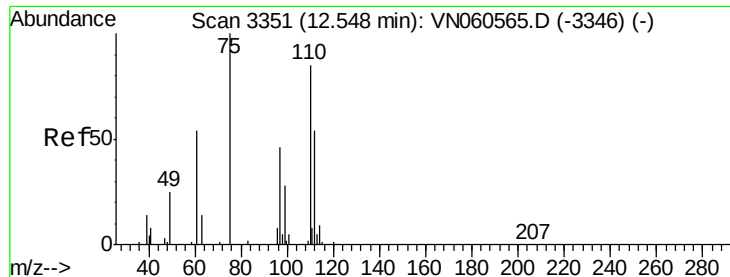


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.034 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060878.D

Acq: 7 Apr 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

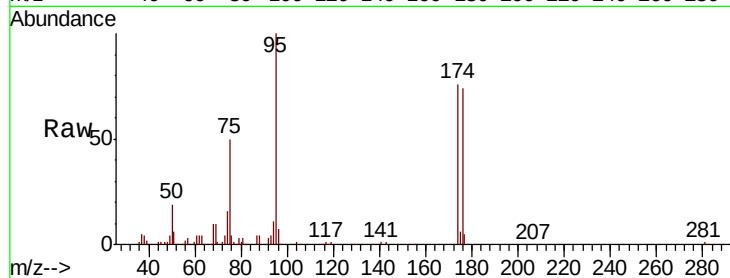
STORAGE-BLANK-SOIL-REF-4

Tot Ion: 75 Resp: 77908

Ion Ratio Lower Upper

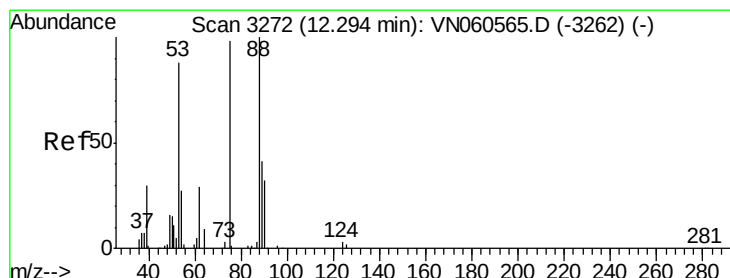
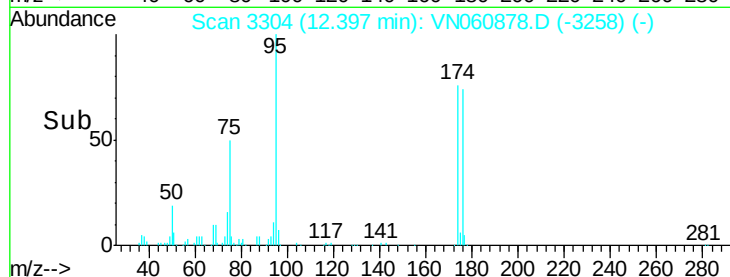
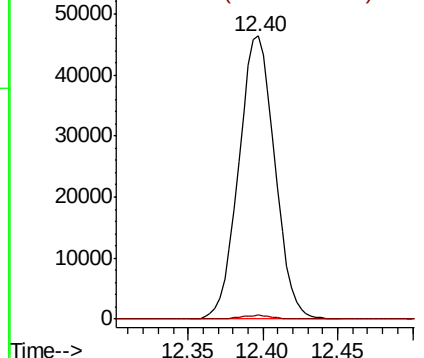
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 66.862 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060878.D

Acq: 7 Apr 2020 15:41

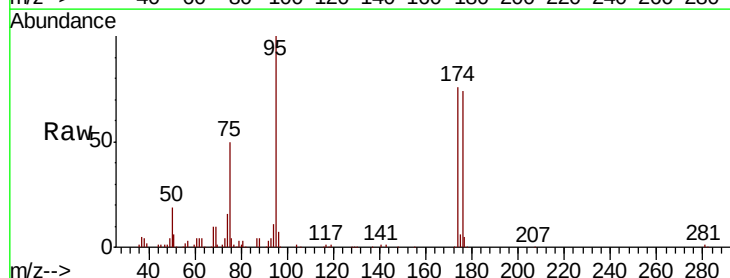
Tgt Ion: 75 Resp: 77908

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

