

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090619\
 Data File : VN057712.D
 Acq On : 6 Sep 2019 15:18
 Operator : JC/SP
 Sample : K4637-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Sep 06 23:23:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 03:46:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	194571	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	315792	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	281480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	140128	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	254186	53.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.40%	
35) Dibromofluoromethane	7.57	113	154157	53.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.18%	
50) Toluene-d8	10.08	98	577805	54.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.60%	
62) 4-Bromofluorobenzene	12.40	95	209829	47.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.96%	

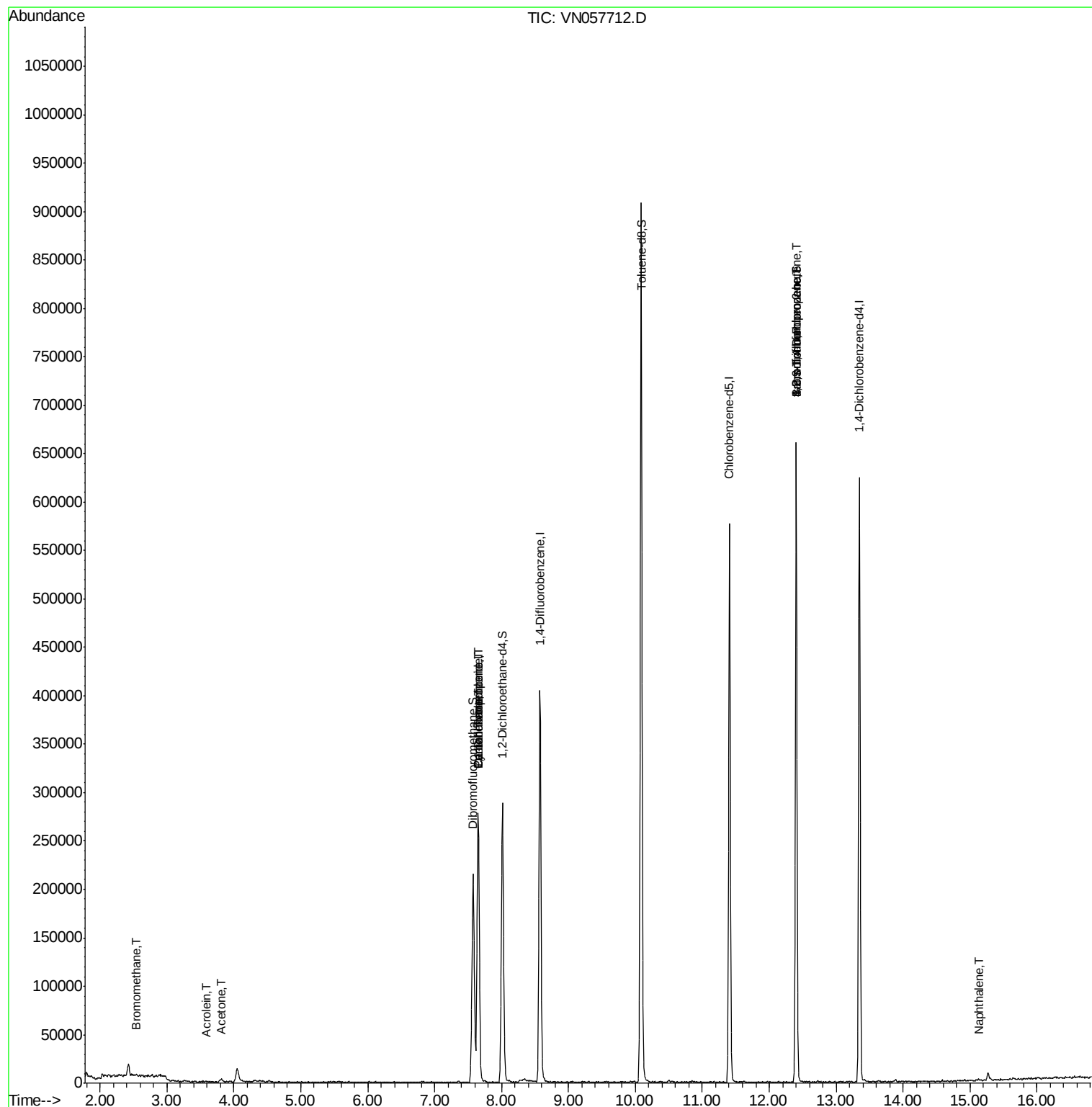
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	2533	Below Cal		92
5) Bromomethane	2.54	94	263	0.214	ug/l	97
13) Acrolein	3.57	56	71	0.278	ug/l #	1
16) Acetone	3.81	43	6286	4.315	ug/l	95
31) Cyclohexane	7.65	56	7143	1.345	ug/l #	52
36) 1,1-Dichloropropene	7.65	75	19928	4.743	ug/l #	53
38) Carbon Tetrachloride	7.65	117	23444	5.828	ug/l #	16
71) Bromoform	12.39	173	462	3.468	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	127585	39.649	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	127585	123.309	ug/l #	1
95) Naphthalene	15.14	128	2051	0.239	ug/l #	78

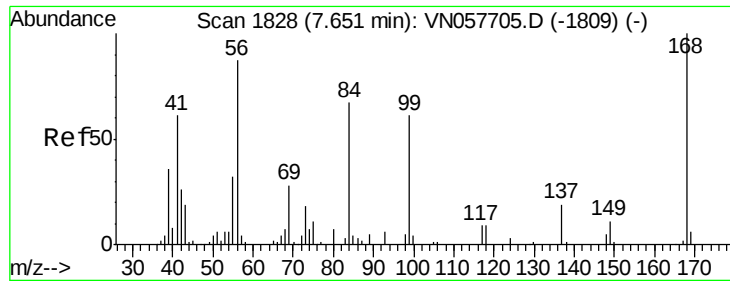
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057712.D

Acq: 6 Sep 2019 15:18

Instrument :

MSVOA_N

ClientSampleId :

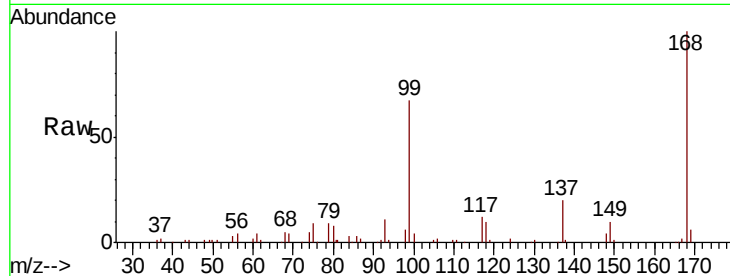
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:168 Resp: 194571

Ion Ratio Lower Upper

168 100

99 67.3 57.4 86.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

80000

60000

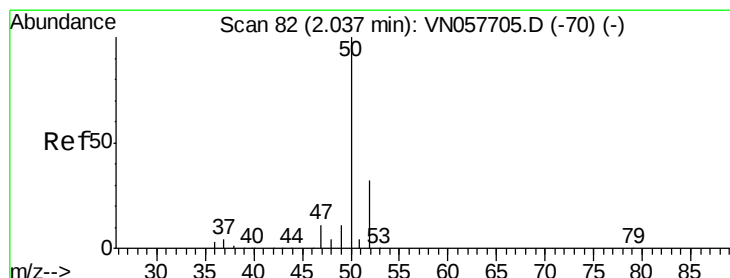
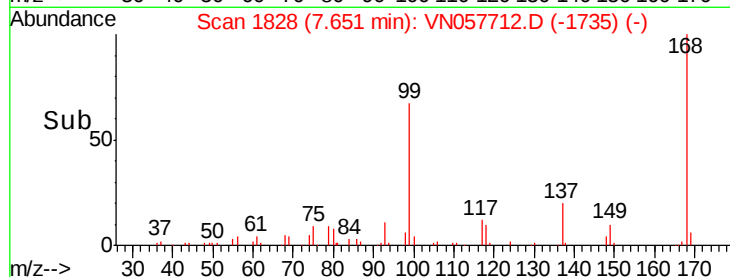
40000

20000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN057712.D

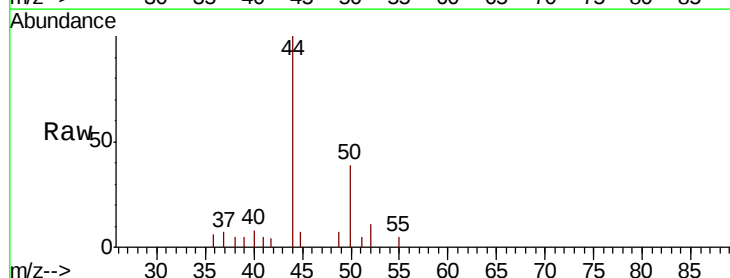
Acq: 6 Sep 2019 15:18

Tgt Ion: 50 Resp: 2533

Ion Ratio Lower Upper

50 100

52 28.2 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

2000

1500

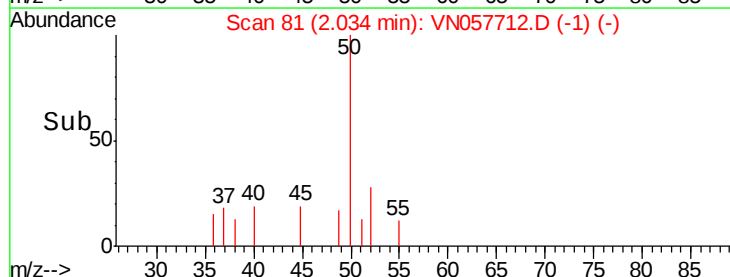
1000

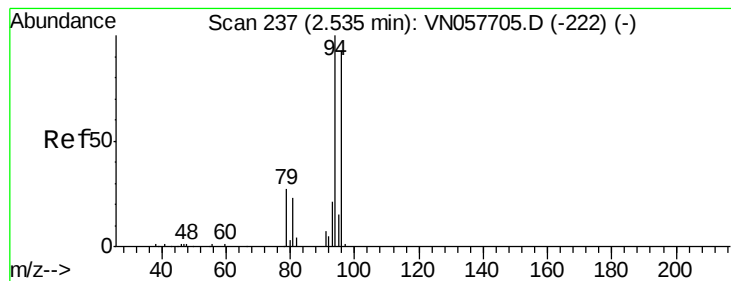
500

0

2.00 2.02 2.04 2.06 2.08

Time-->





#5

Bromomethane

Concen: 0.214 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN057712.D

Acq: 6 Sep 2019 15:18

Instrument :

MSVOA_N

ClientSampleId :

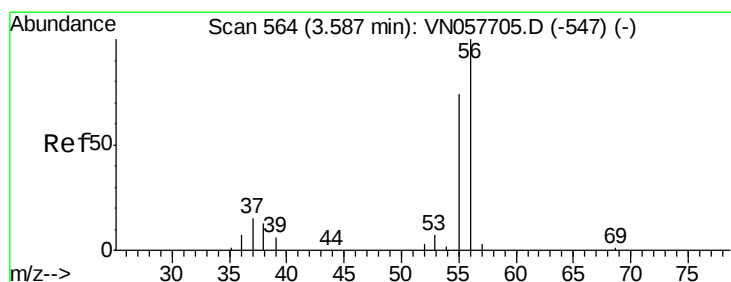
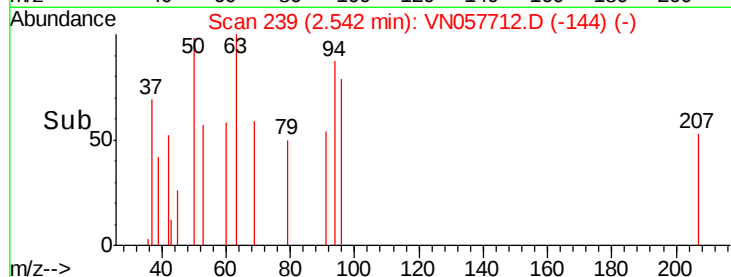
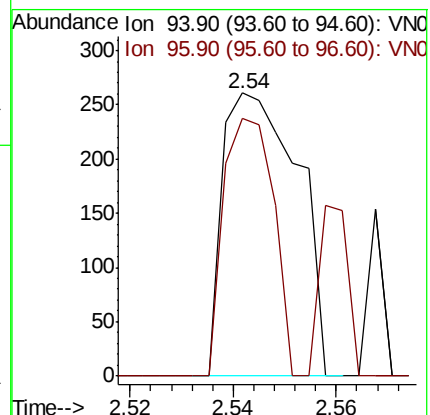
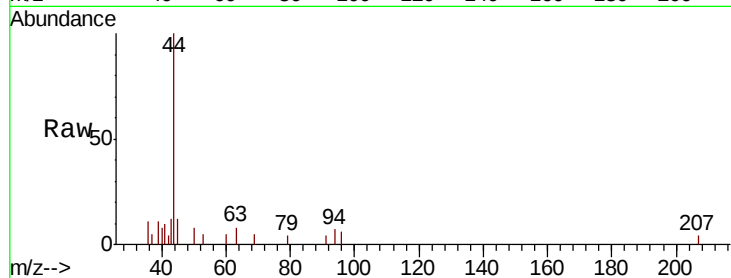
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 94 Resp: 263

Ion Ratio Lower Upper

94 100

96 90.8 74.8 112.2



#13

Acrolein

Concen: 0.278 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VN057712.D

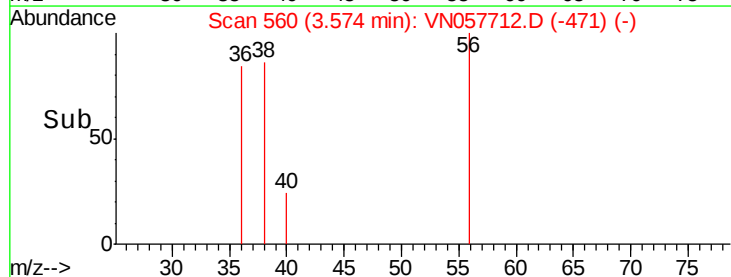
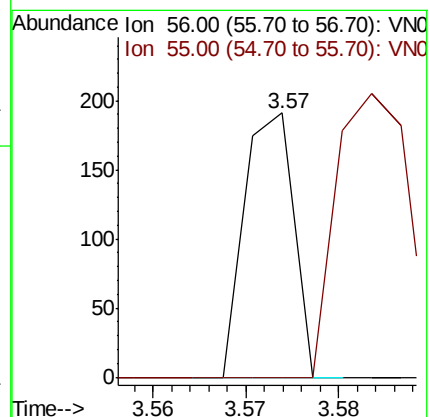
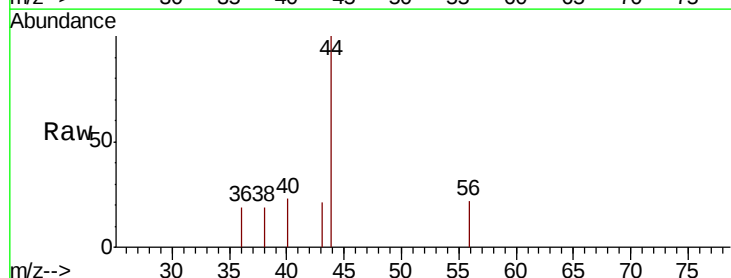
Acq: 6 Sep 2019 15:18

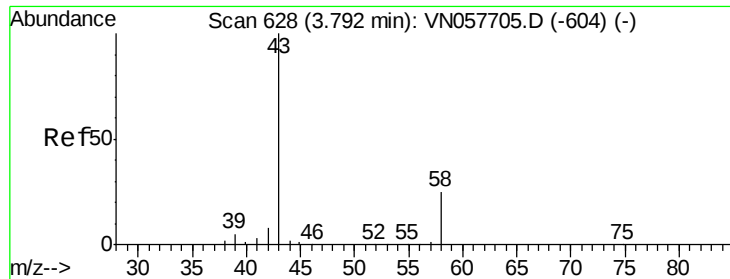
Tgt Ion: 56 Resp: 71

Ion Ratio Lower Upper

56 100

55 153.5 55.4 83.0#

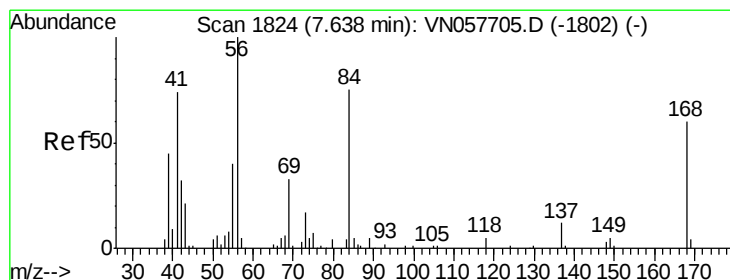
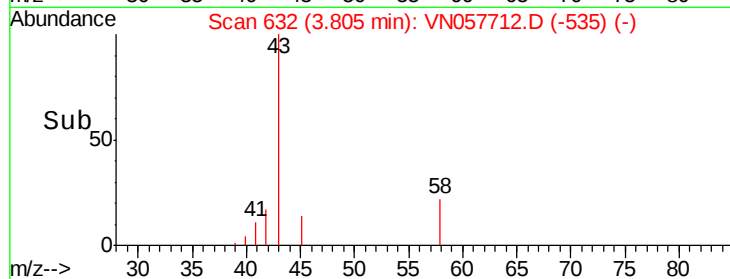
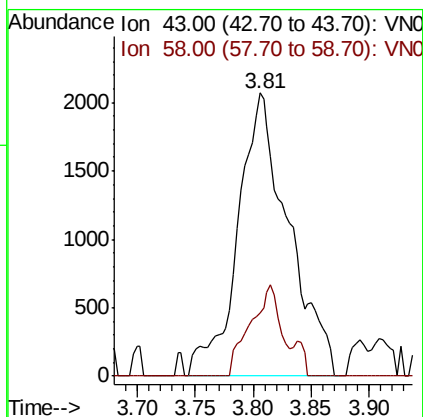
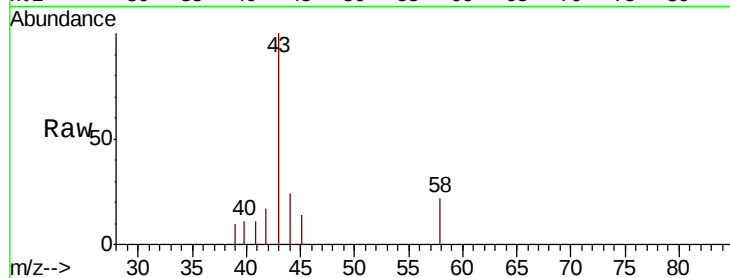




#16
Acetone
Concen: 4.315 ug/l
RT: 3.81 min Scan# 632
Delta R.T. 0.01 min
Lab File: VN057712.D
Acq: 6 Sep 2019 15:18

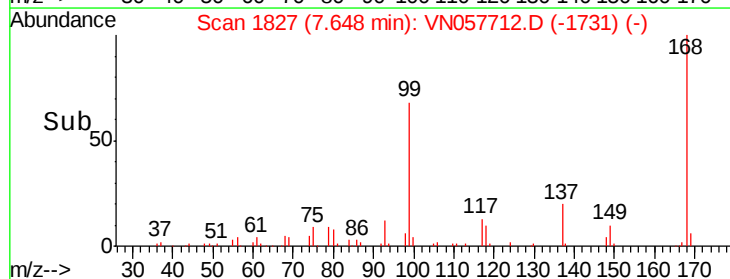
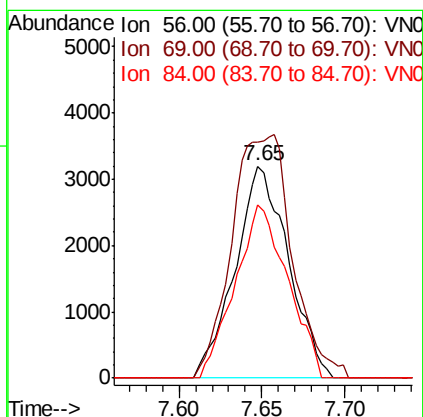
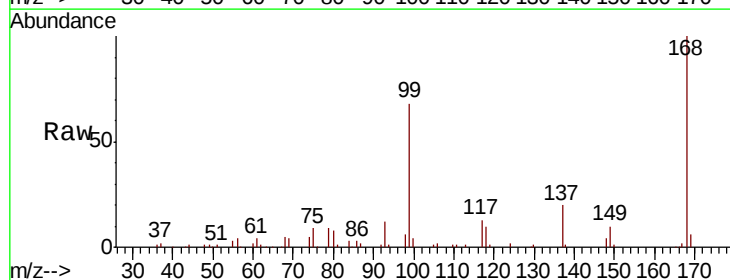
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

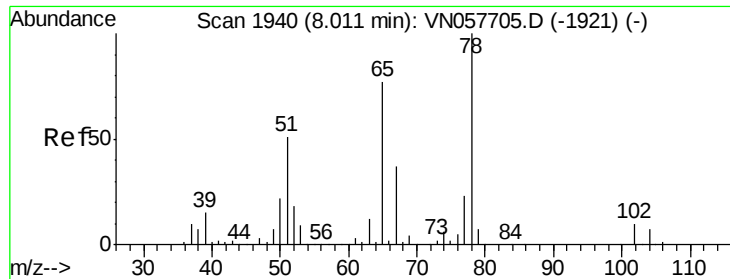
Tgt Ion: 43 Resp: 6286
Ion Ratio Lower Upper
43 100
58 22.3 19.8 29.8



#31
Cyclohexane
Concen: 1.345 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN057712.D
Acq: 6 Sep 2019 15:18

Tgt Ion: 56 Resp: 7143
Ion Ratio Lower Upper
56 100
69 111.5 26.2 39.2#
84 81.6 59.8 89.8





#33

1,2-Dichloroethane-d4

Concen: 53.701 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN057712.D

Acq: 6 Sep 2019 15:18

Instrument :

MSVOA_N

ClientSampleId :

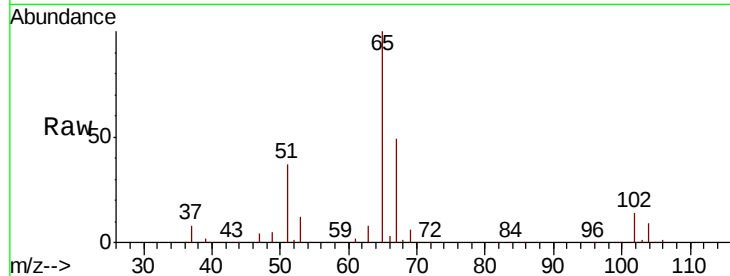
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 65 Resp: 254186

Ion Ratio Lower Upper

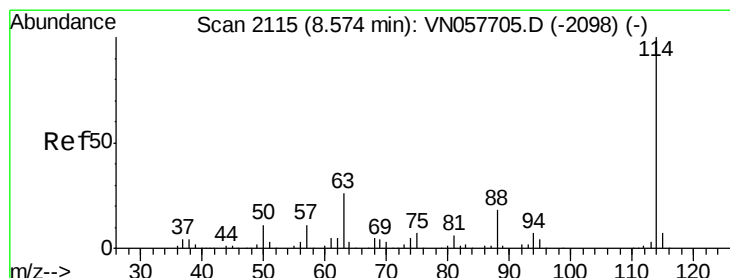
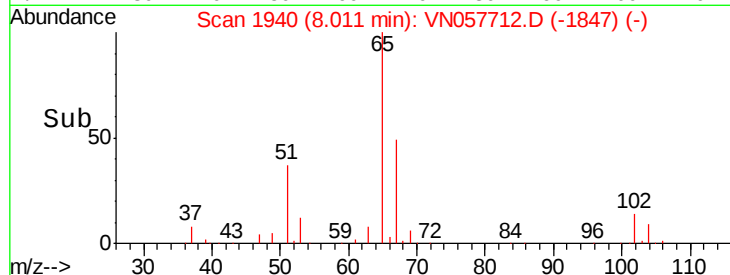
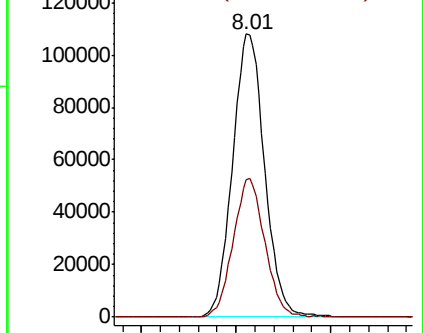
65 100

67 48.2 0.0 98.2



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: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN057712.D

Acq: 6 Sep 2019 15:18

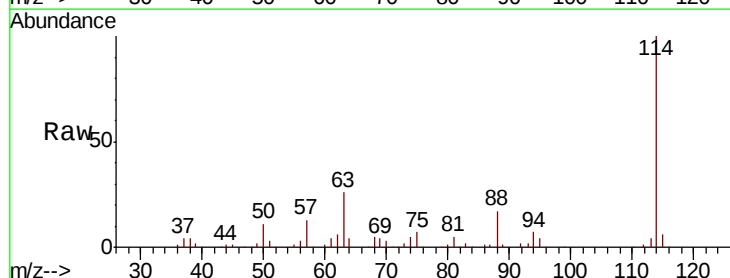
Tgt Ion: 114 Resp: 315792

Ion Ratio Lower Upper

114 100

63 26.3 0.0 52.4

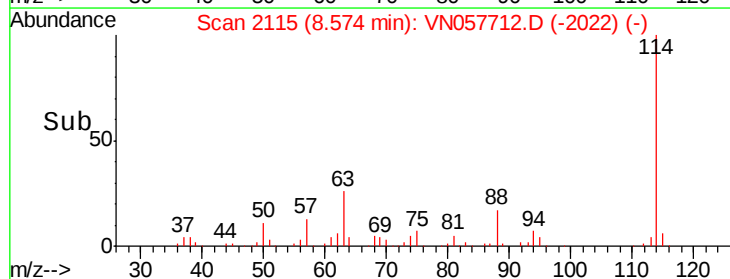
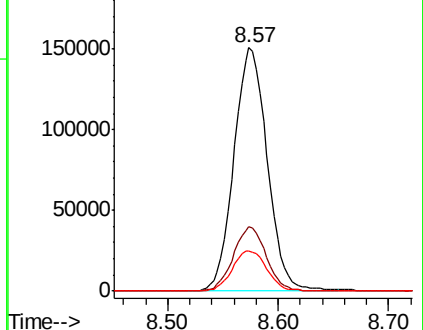
88 16.6 0.0 35.4

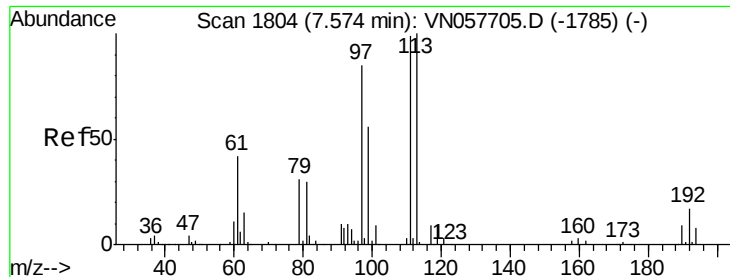


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 53.594 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN057712.D

Acq: 6 Sep 2019 15:18

Instrument :

MSVOA_N

ClientSampleId :

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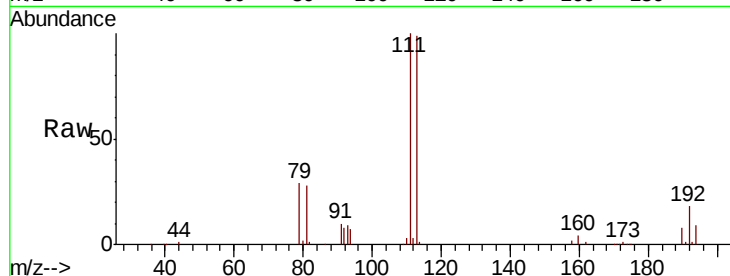
Tgt Ion: 113 Resp: 154157

Ion Ratio Lower Upper

113 100

111 101.1 82.7 124.1

192 18.1 13.8 20.6

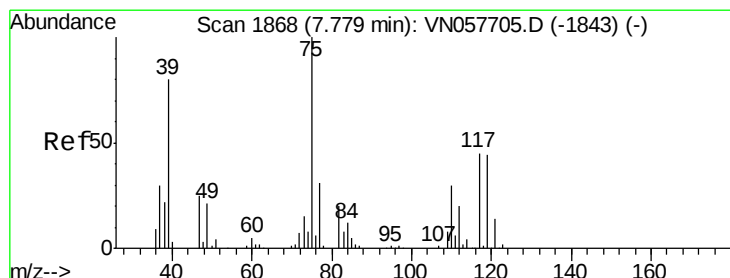
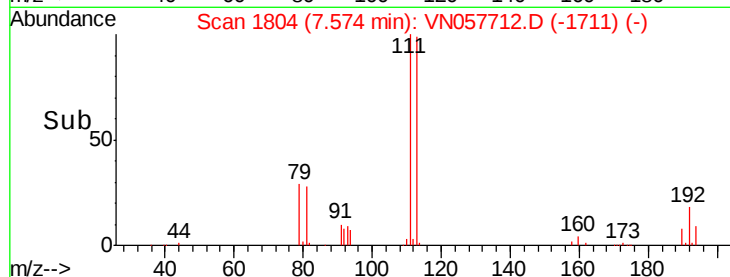
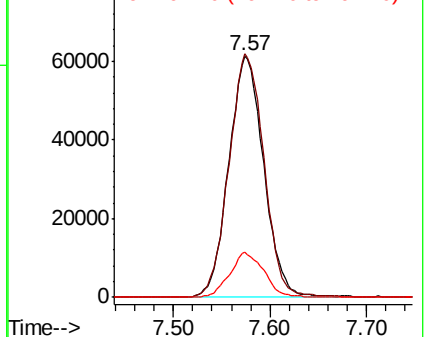


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.743 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.13 min

Lab File: VN057712.D

Acq: 6 Sep 2019 15:18

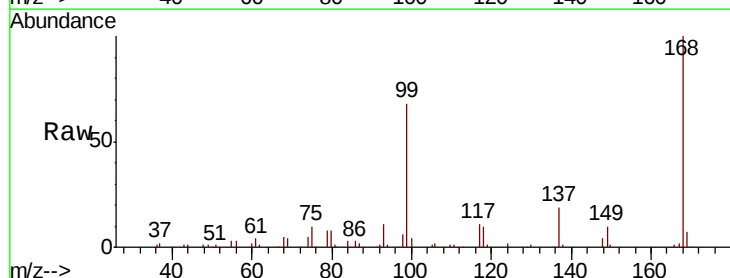
Tgt Ion: 75 Resp: 19928

Ion Ratio Lower Upper

75 100

110 9.2 15.0 45.0#

77 0.0 24.6 37.0#

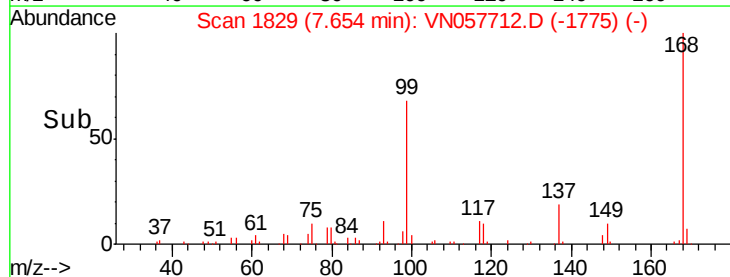
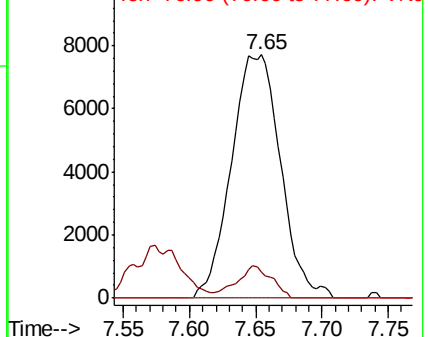


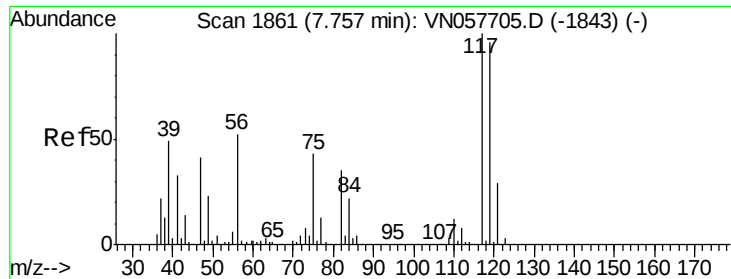
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.828 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN057712.D

Acq: 6 Sep 2019 15:18

Instrument :

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ClientSampleId :

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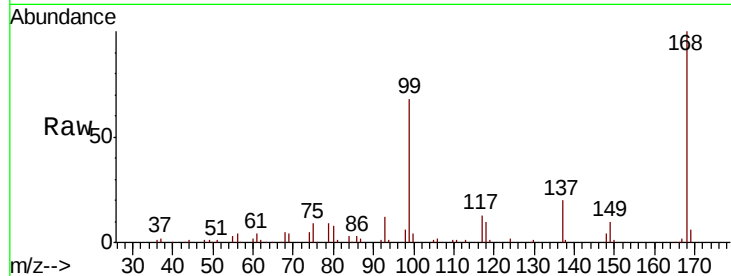
Tgt Ion:117 Resp: 23444

Ion Ratio Lower Upper

117 100

119 5.3 76.1 114.1#

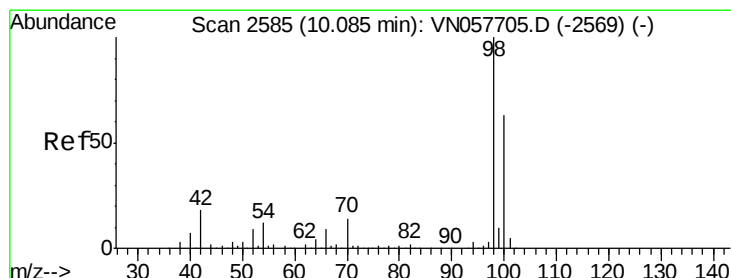
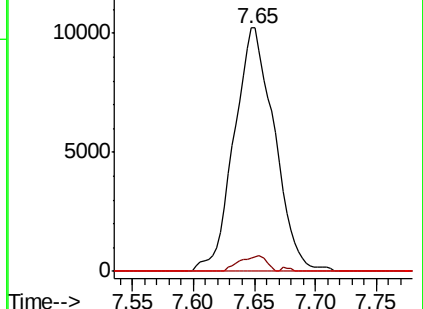
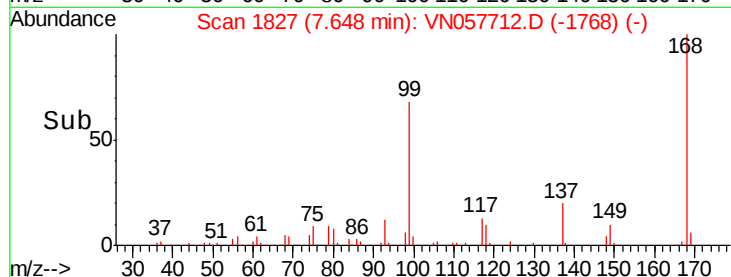
121 0.0 23.4 35.2#



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



#50

Toluene-d8

Concen: 54.303 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057712.D

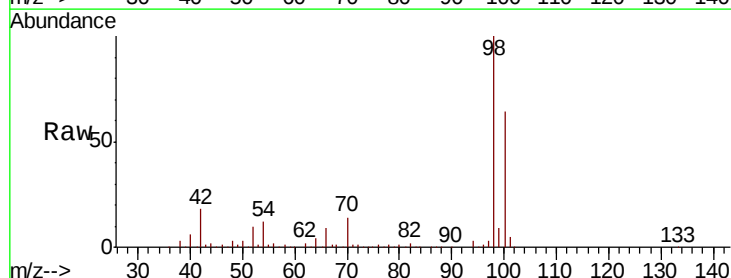
Acq: 6 Sep 2019 15:18

Tgt Ion: 98 Resp: 577805

Ion Ratio Lower Upper

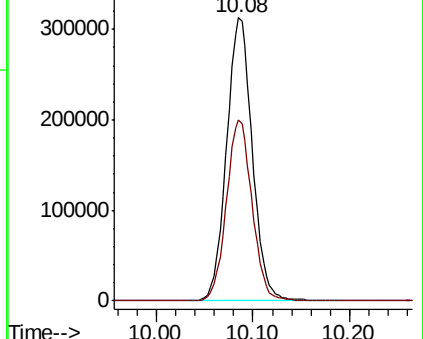
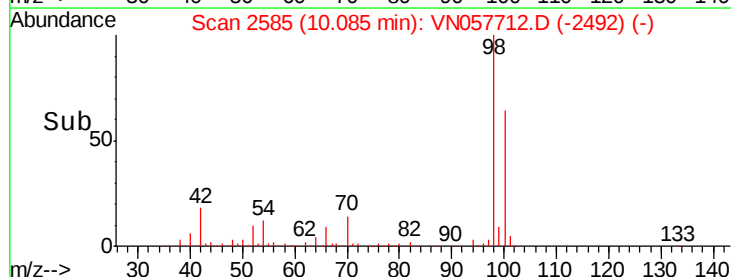
98 100

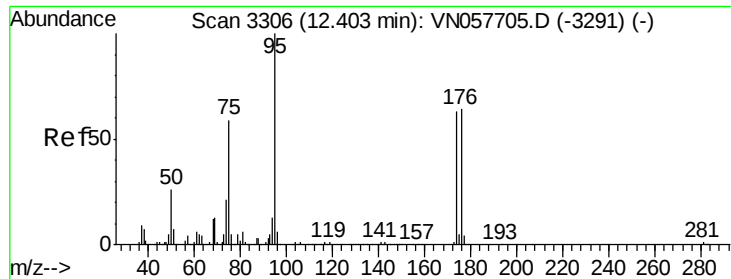
100 63.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 47.478 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057712.D

Acq: 6 Sep 2019 15:18

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MSVOA_N

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STORAGE-BLANK-SOIL-REF-6

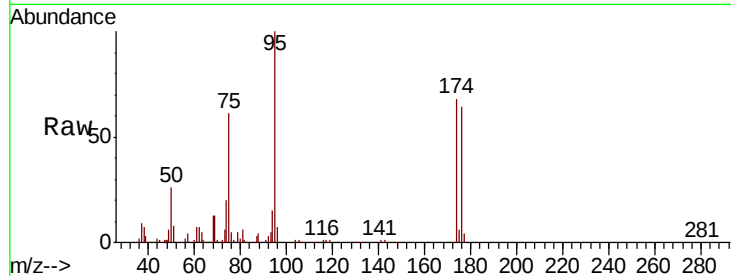
Tgt Ion: 95 Resp: 209829

Ion Ratio Lower Upper

95 100

174 69.1 0.0 128.0

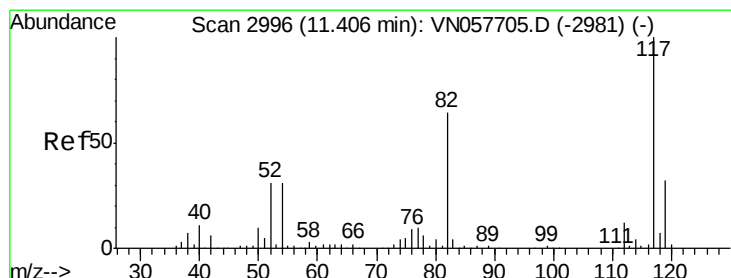
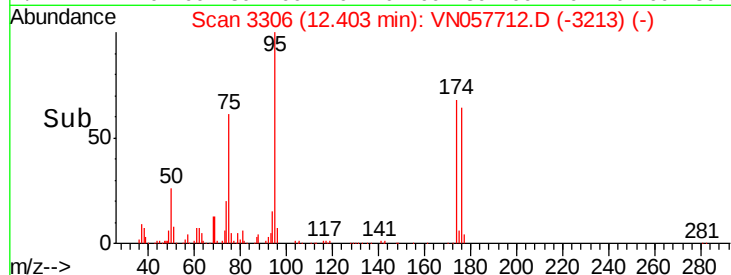
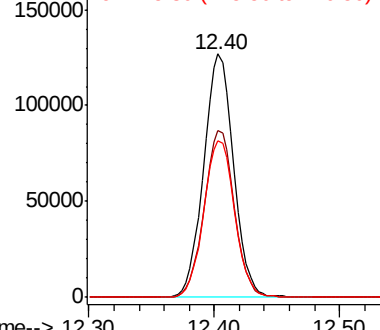
176 66.3 0.0 128.0



Abundance Ion 94.90 (94.60 to 95.60): VN057712.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN057712.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN057712.D (-3213) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057712.D

Acq: 6 Sep 2019 15:18

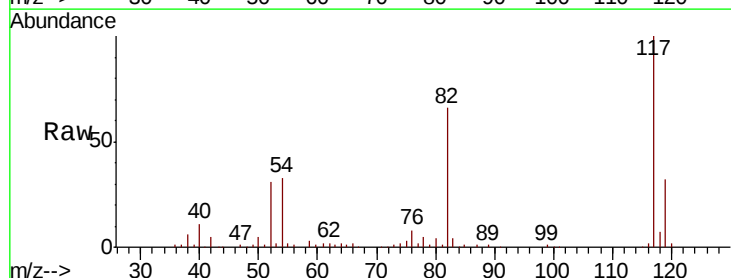
Tgt Ion: 117 Resp: 281480

Ion Ratio Lower Upper

117 100

82 66.1 51.4 77.0

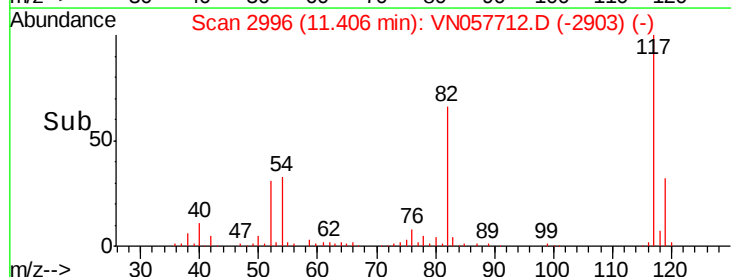
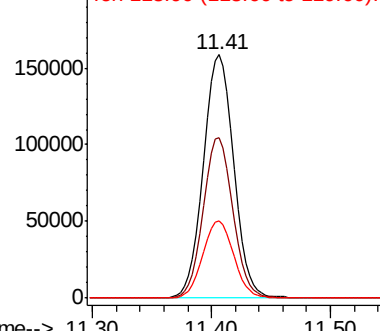
119 31.8 25.4 38.2

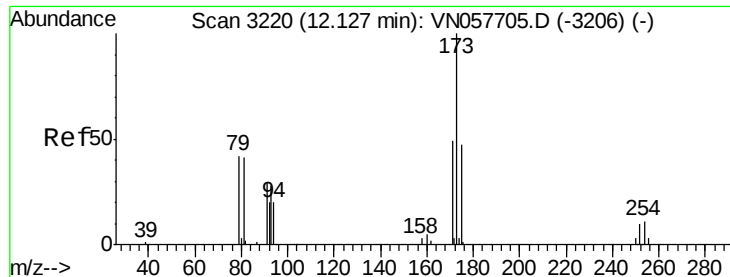


Abundance Ion 116.90 (116.60 to 117.60): VN057712.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN057712.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN057712.D (-2903) (-)





#71

Bromoform

Concen: 3.468 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN057712.D

Acq: 6 Sep 2019 15:18

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

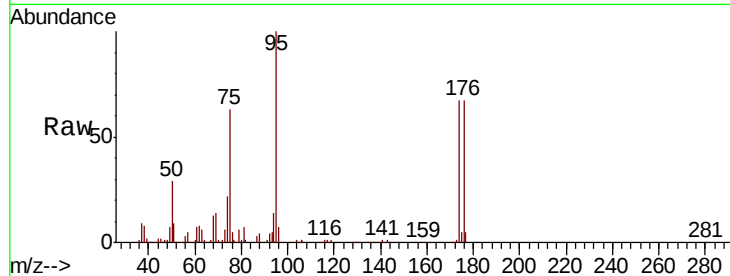
Tgt Ion:173 Resp: 462

Ion Ratio Lower Upper

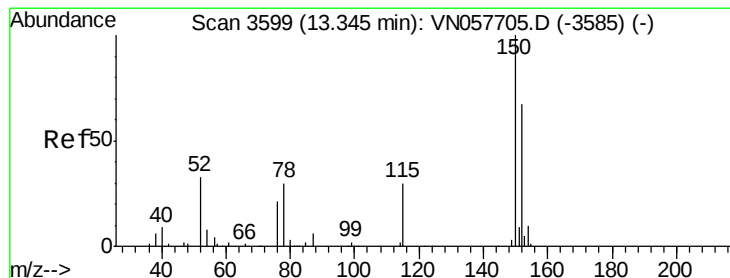
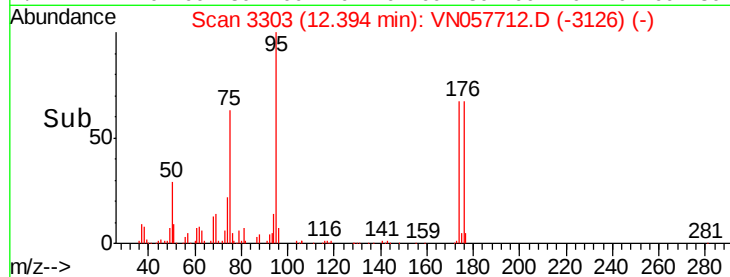
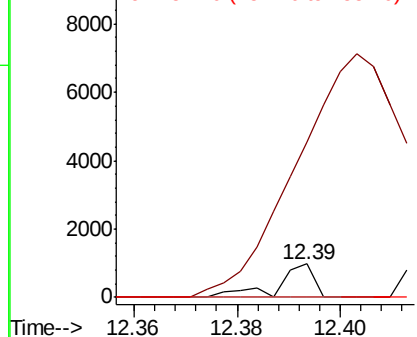
173 100

175 2077.9 24.6 73.8#

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: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057712.D

Acq: 6 Sep 2019 15:18

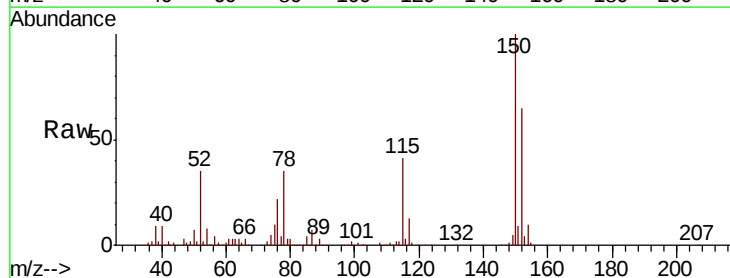
Tgt Ion:152 Resp: 140128

Ion Ratio Lower Upper

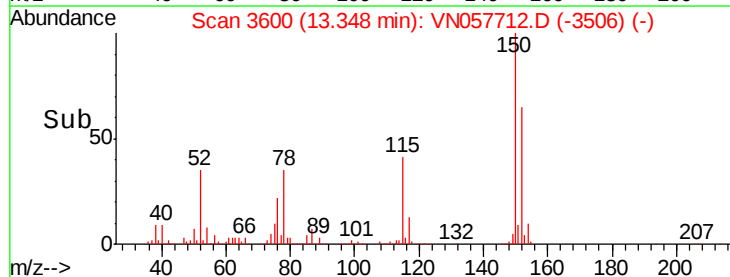
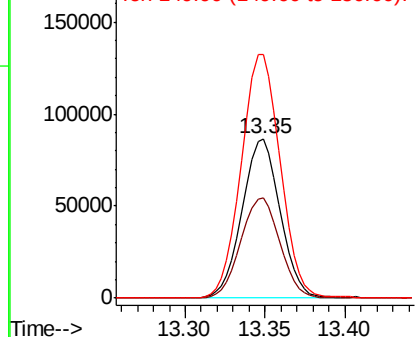
152 100

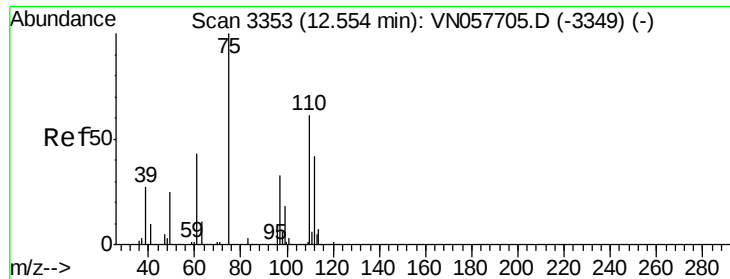
115 65.0 33.8 101.3

150 157.0 0.0 345.4



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: 39.649 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057712.D

Acq: 6 Sep 2019 15:18

Instrument :

MSVOA_N

ClientSampleId :

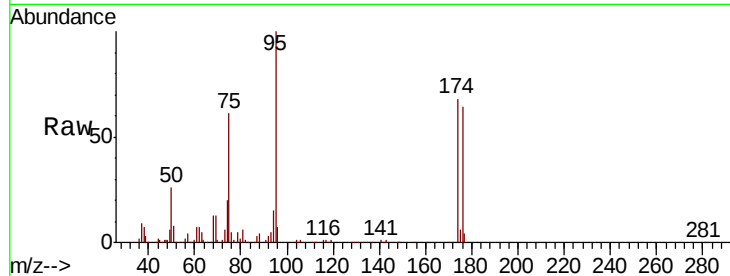
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 75 Resp: 127585

Ion Ratio Lower Upper

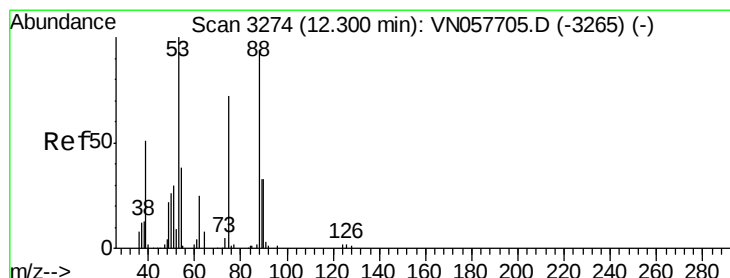
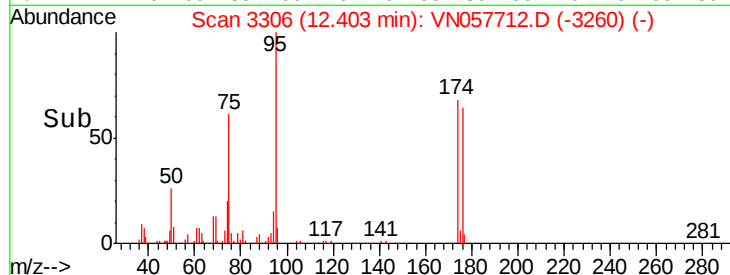
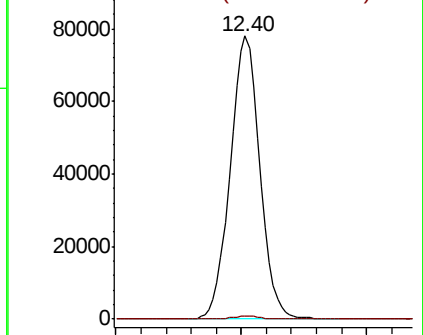
75 100

77 1.0 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: 123.309 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057712.D

Acq: 6 Sep 2019 15:18

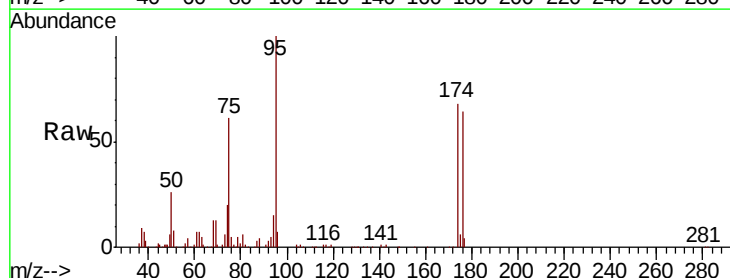
Tgt Ion: 75 Resp: 127585

Ion Ratio Lower Upper

75 100

53 0.0 107.0 160.6#

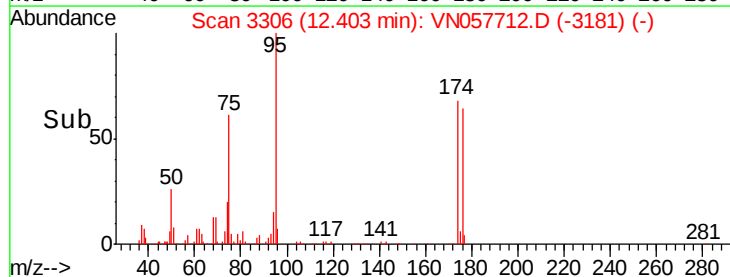
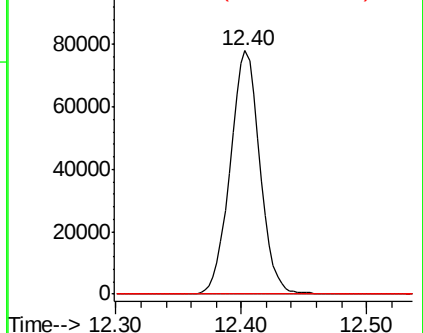
89 0.0 36.5 54.7#

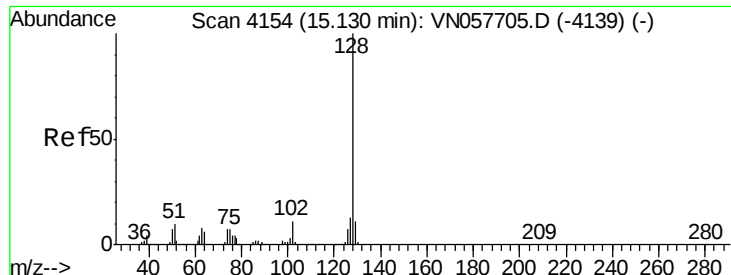


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95
Naphthalene
Concen: 0.239 ug/l
RT: 15.14 min Scan# 4157
Delta R.T. 0.01 min
Lab File: VN057712.D
Acq: 6 Sep 2019 15:18

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

Tgt Ion:128 Resp: 2051
Ion Ratio Lower Upper
128 100
127 3.1 10.6 15.8#
129 3.4 8.4 12.6#

