

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090619\
 Data File : VN057714.D
 Acq On : 6 Sep 2019 16:02
 Operator : JC/SP
 Sample : K4637-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Sep 06 23:24:00 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	197496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	323663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	291051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	147681	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	249803	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
35) Dibromofluoromethane	7.57	113	150900	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
50) Toluene-d8	10.08	98	561525	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
62) 4-Bromofluorobenzene	12.40	95	204724	45.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.40%	

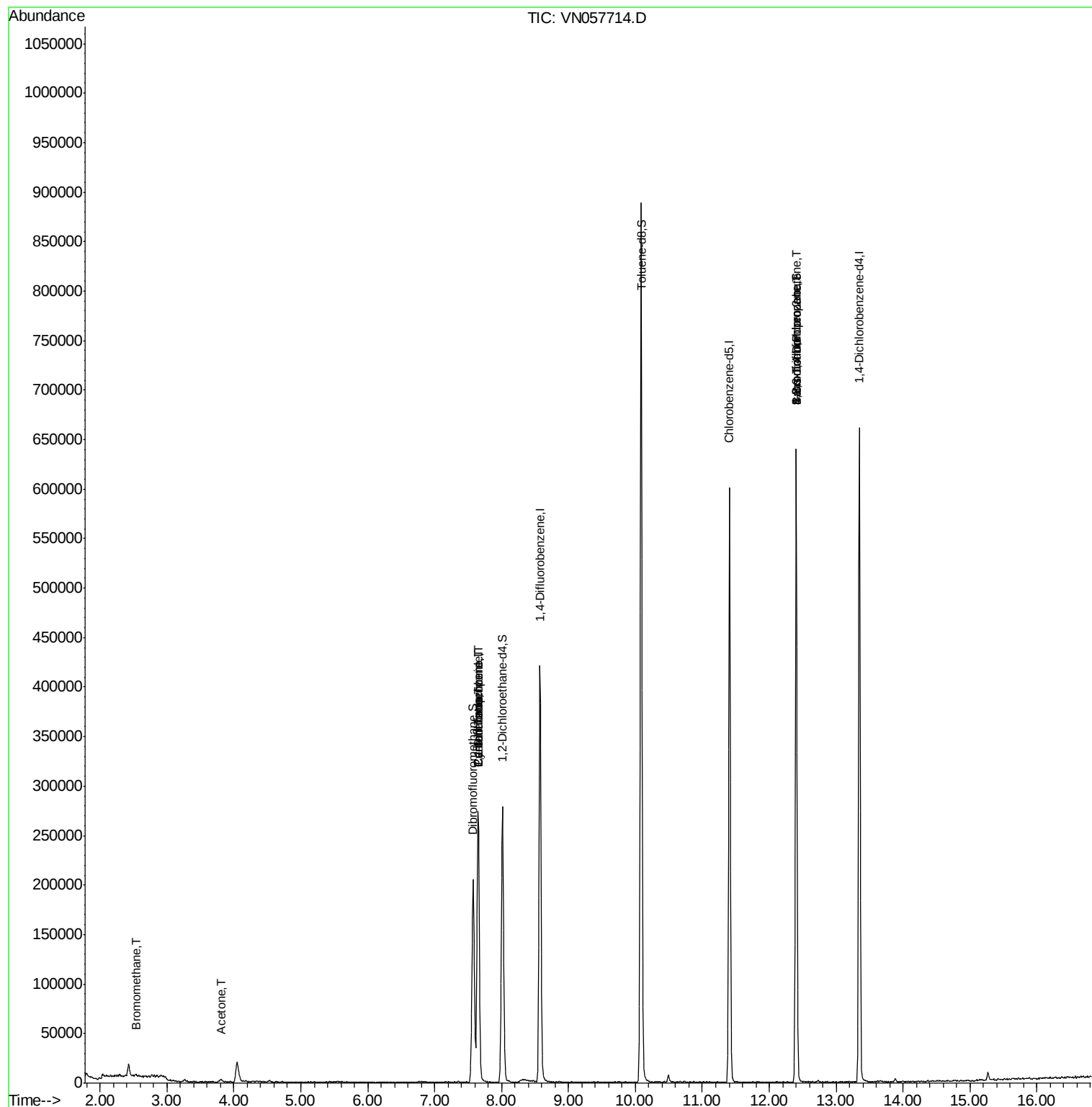
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	2003	Below Cal		93
5) Bromomethane	2.55	94	283	0.227	ug/l #	3
16) Acetone	3.81	43	5944	4.020	ug/l	94
31) Cyclohexane	7.65	56	6619	1.227	ug/l #	23
36) 1,1-Dichloropropene	7.65	75	20367	4.730	ug/l #	48
38) Carbon Tetrachloride	7.65	117	23257	5.641	ug/l #	17
71) Bromoform	12.40	173	466	3.463	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	124751	36.786	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	124751	114.403	ug/l #	1

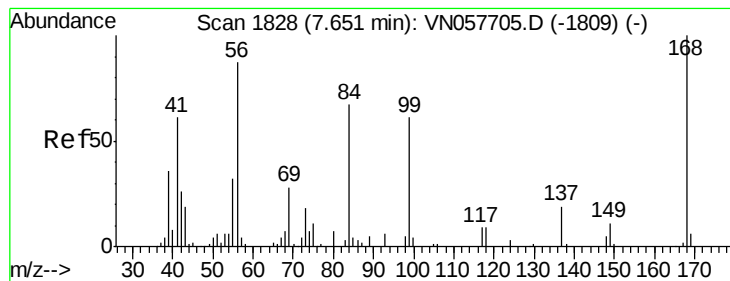
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057714.D

Acq: 6 Sep 2019 16:02

Instrument :

MSVOA_N

ClientSampleId :

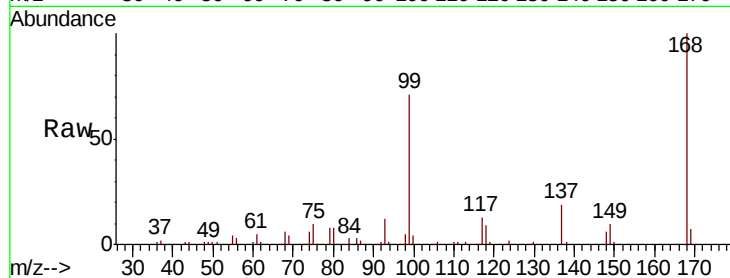
STORAGE-BLANK-WATER-REF-4

Tgt Ion:168 Resp: 197496

Ion Ratio Lower Upper

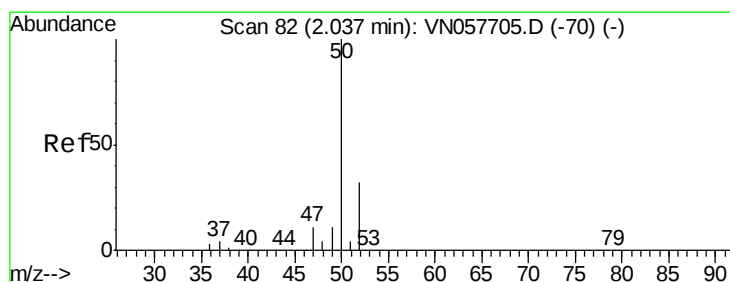
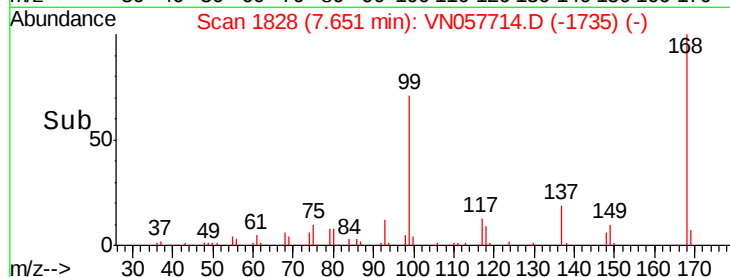
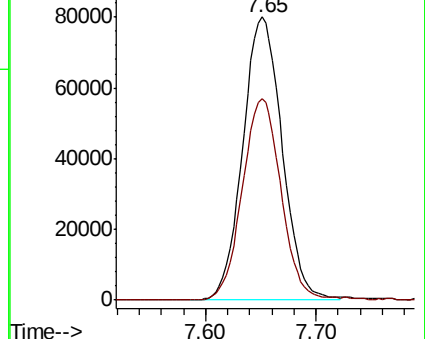
168 100

99 71.2 57.4 86.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057714.D

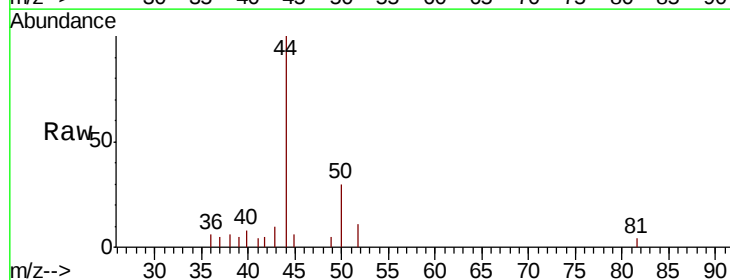
Acq: 6 Sep 2019 16:02

Tgt Ion: 50 Resp: 2003

Ion Ratio Lower Upper

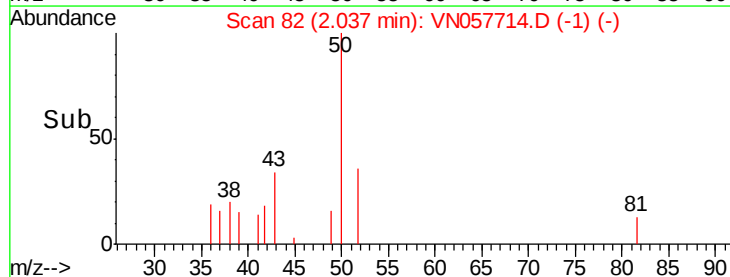
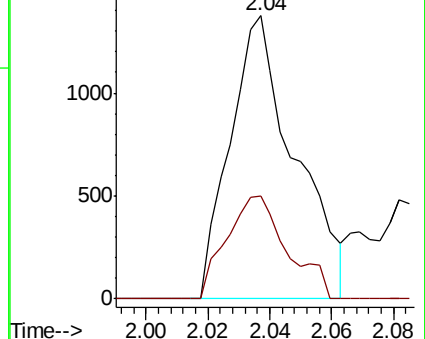
50 100

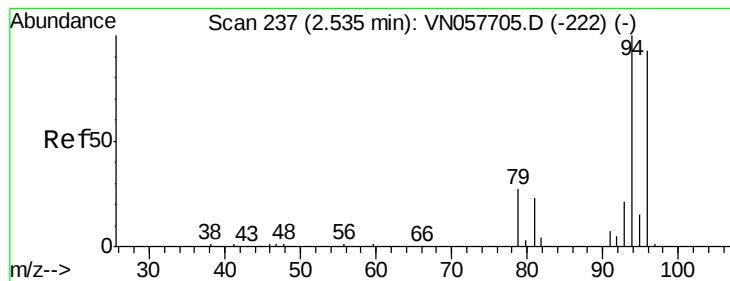
52 36.4 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#5

Bromomethane

Concen: 0.227 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN057714.D

Acq: 6 Sep 2019 16:02

Instrument :

MSVOA_N

ClientSampleId :

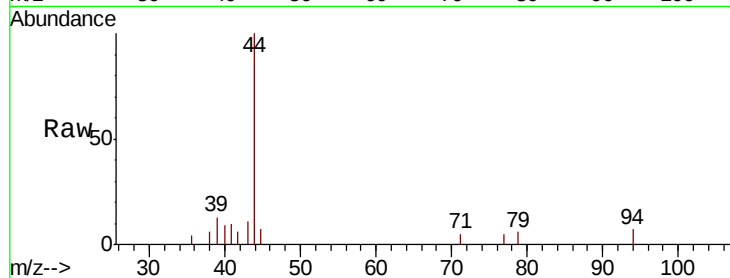
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 94 Resp: 283

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

250

200

150

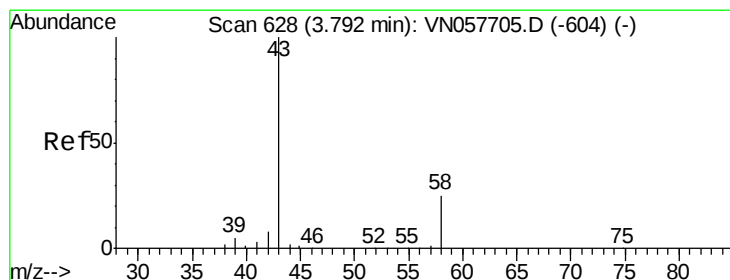
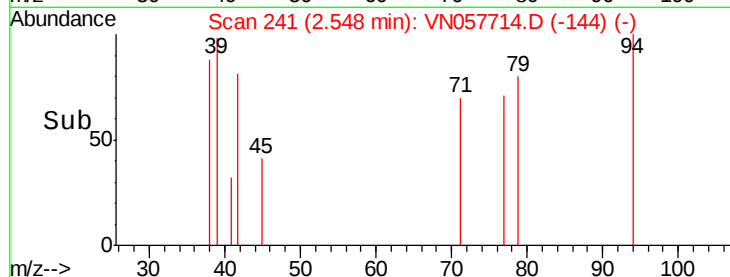
100

50

0

Time-->

2.52 2.54 2.56



#16

Acetone

Concen: 4.020 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.02 min

Lab File: VN057714.D

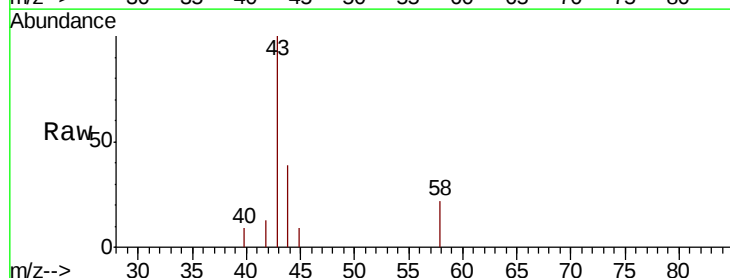
Acq: 6 Sep 2019 16:02

Tgt Ion: 43 Resp: 5944

Ion Ratio Lower Upper

43 100

58 21.7 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.81

2000

1500

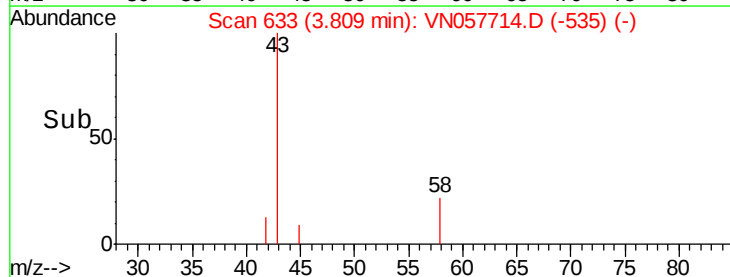
1000

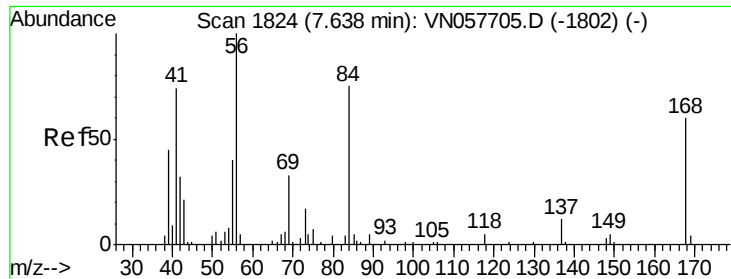
500

0

Time-->

3.75 3.80 3.85

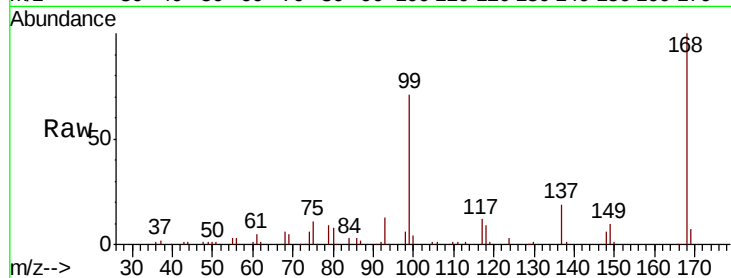




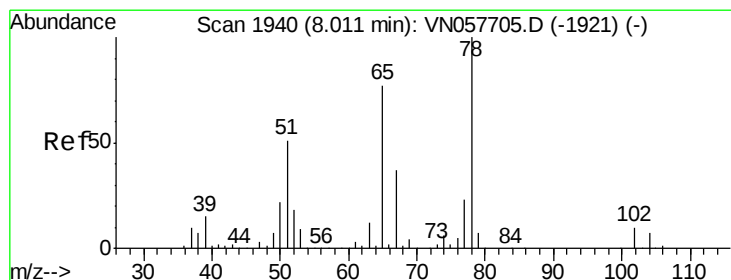
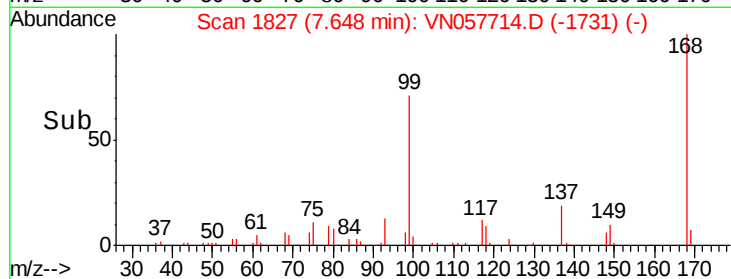
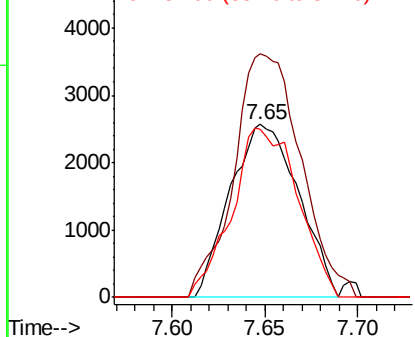
#31
Cyclohexane
Concen: 1.227 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN057714.D
Acq: 6 Sep 2019 16:02

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

Tgt Ion: 56 Resp: 6619
Ion Ratio Lower Upper
56 100
69 141.0 26.2 39.2#
84 97.7 59.8 89.8#

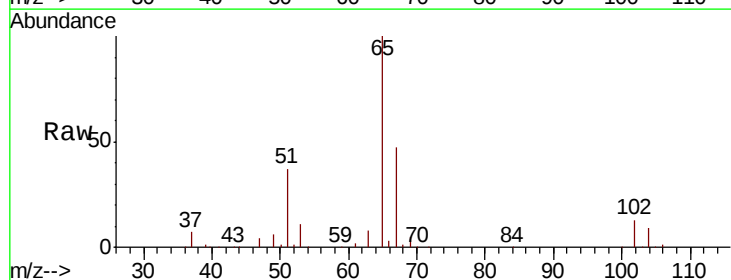


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

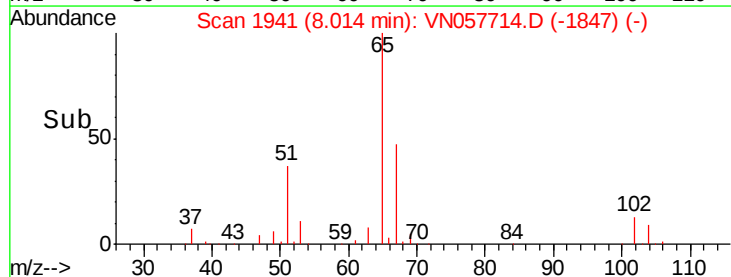
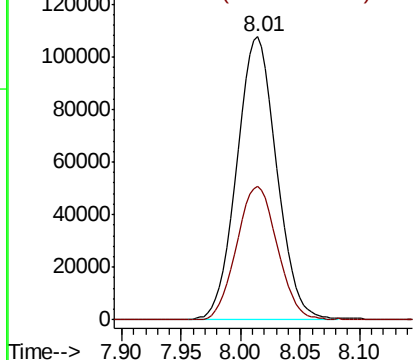


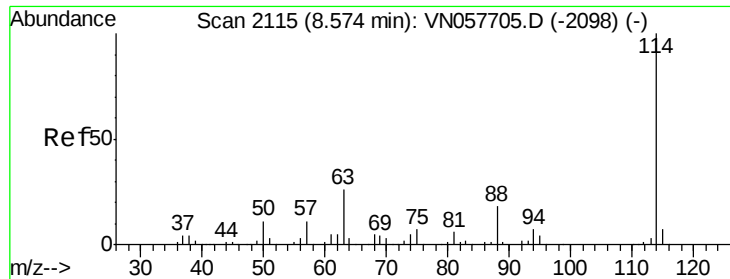
#33
1,2-Dichloroethane-d4
Concen: 51.994 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN057714.D
Acq: 6 Sep 2019 16:02

Tgt Ion: 65 Resp: 249803
Ion Ratio Lower Upper
65 100
67 48.3 0.0 98.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

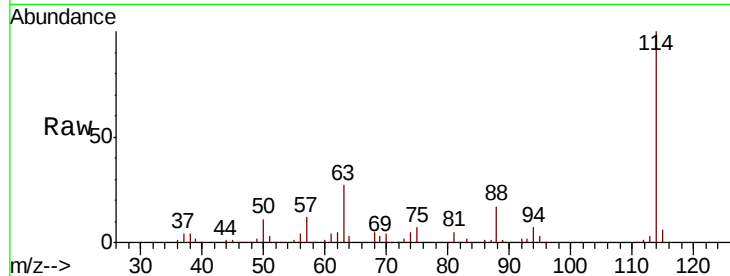




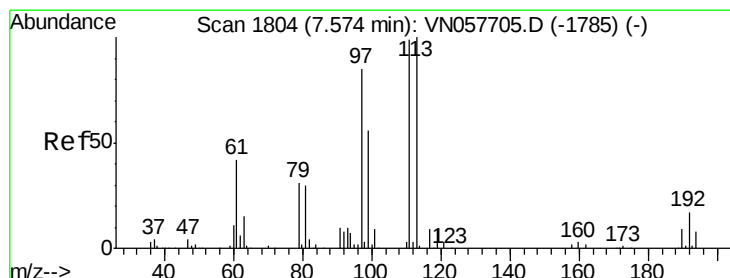
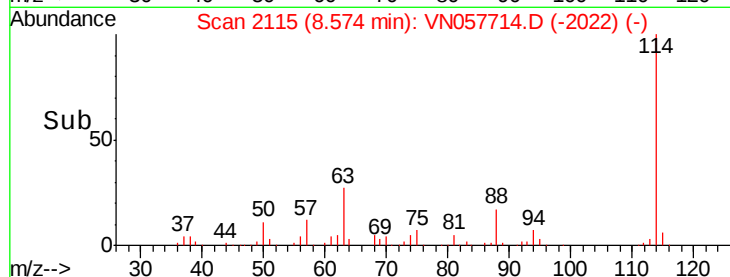
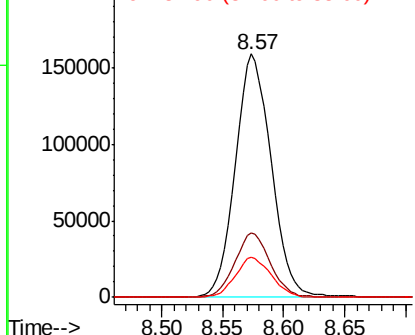
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057714.D
 Acq: 6 Sep 2019 16:02

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Tgt Ion:114 Resp: 323663
 Ion Ratio Lower Upper
 114 100
 63 26.5 0.0 52.4
 88 16.6 0.0 35.4

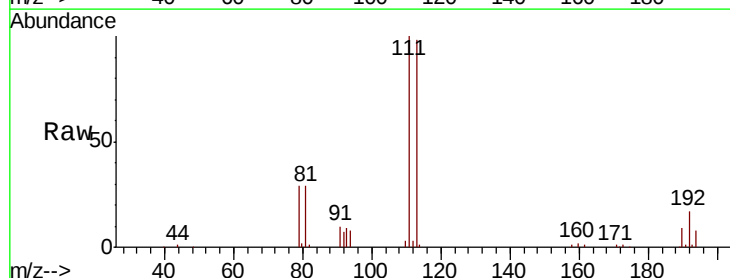


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

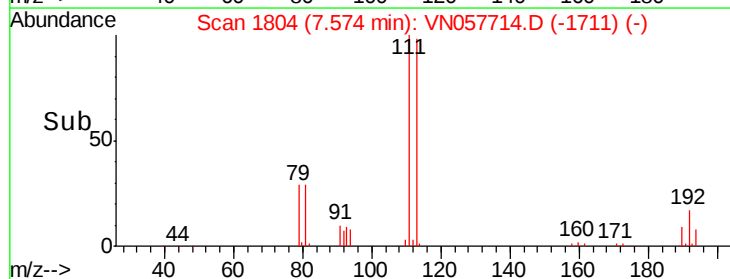
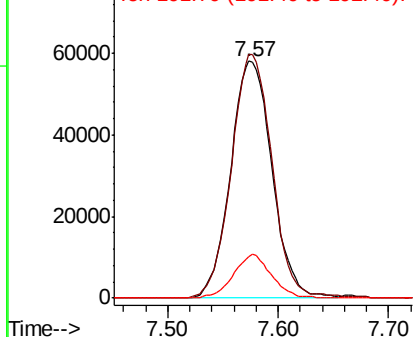


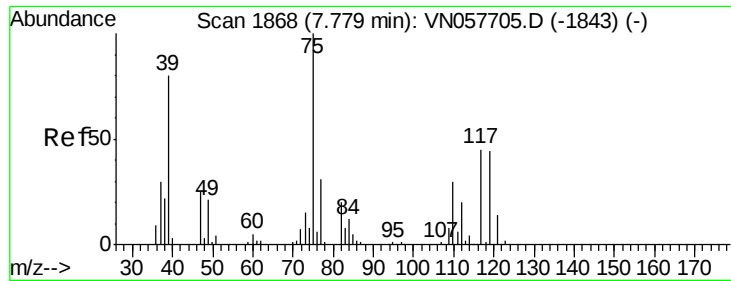
#35
 Dibromofluoromethane
 Concen: 51.186 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN057714.D
 Acq: 6 Sep 2019 16:02

Tgt Ion:113 Resp: 150900
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.7 124.1
 192 16.9 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

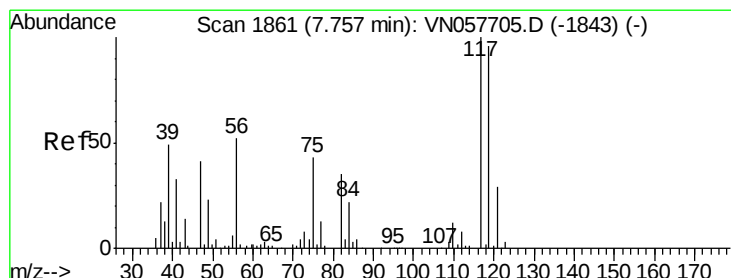
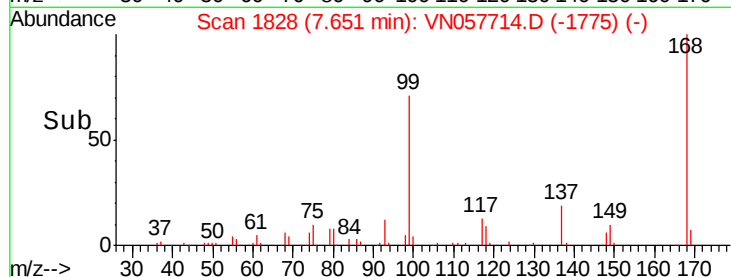
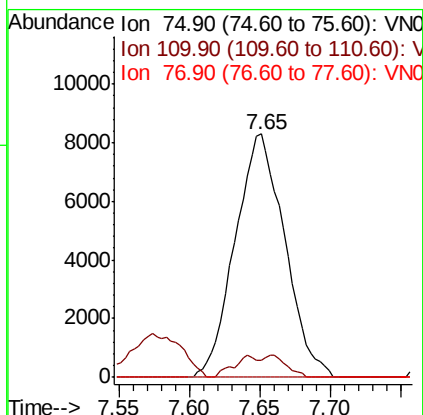
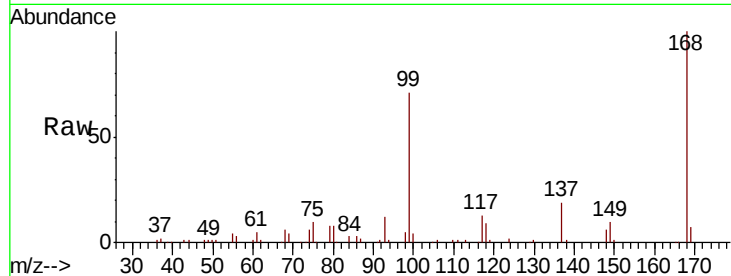




#36
 1,1-Dichloropropene
 Concen: 4.730 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057714.D
 Acq: 6 Sep 2019 16:02

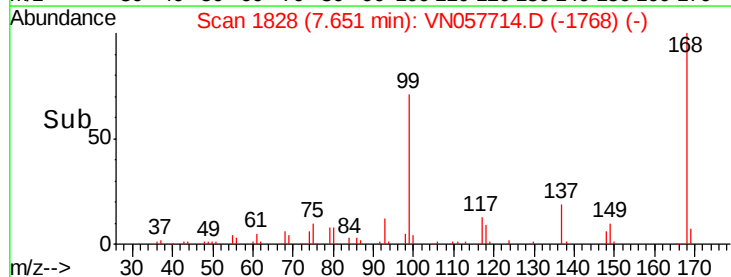
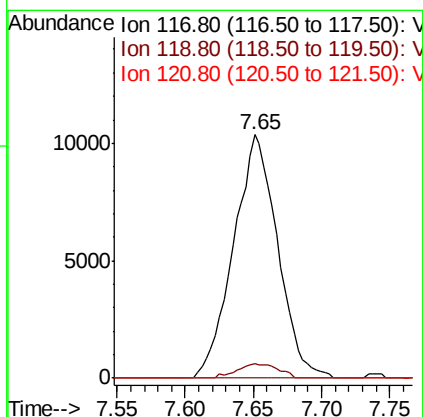
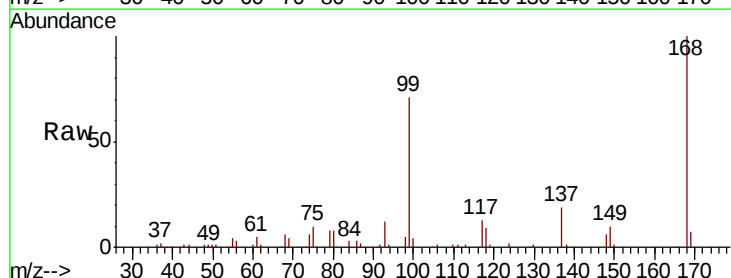
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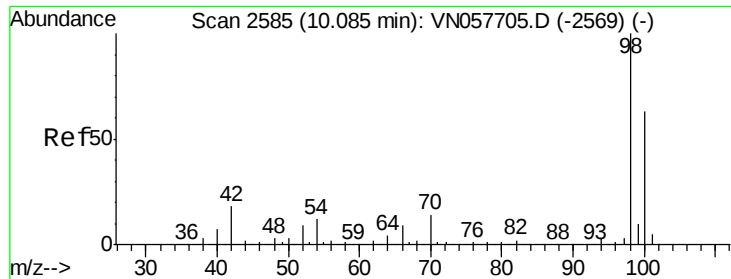
Tgt Ion: 75 Resp: 20367
 Ion Ratio Lower Upper
 75 100
 110 4.1 15.0 45.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.641 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN057714.D
 Acq: 6 Sep 2019 16:02

Tgt Ion: 117 Resp: 23257
 Ion Ratio Lower Upper
 117 100
 119 6.1 76.1 114.1#
 121 0.0 23.4 35.2#

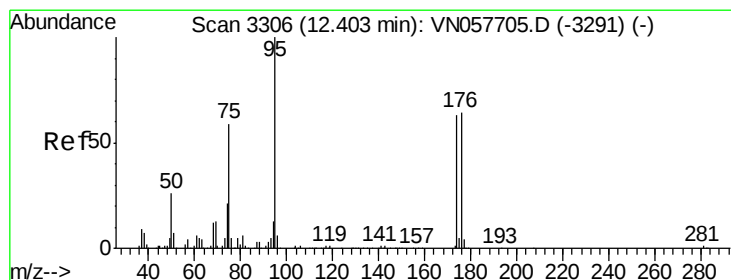
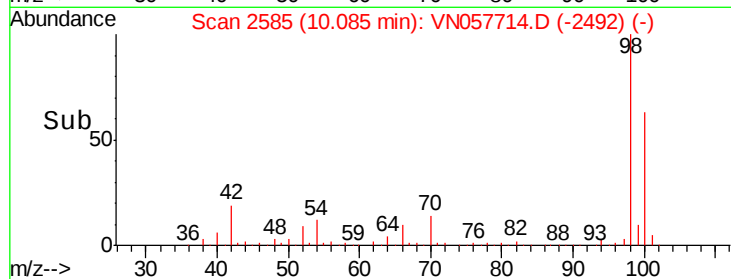
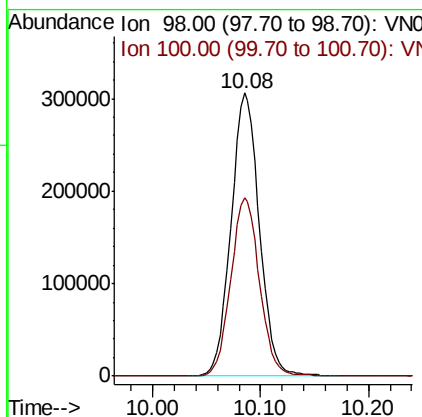
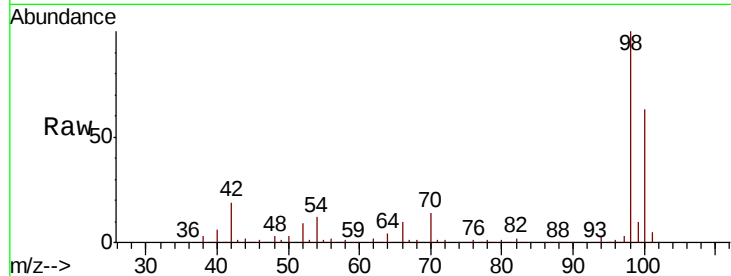




#50
Toluene-d8
Concen: 51.489 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057714.D
Acq: 6 Sep 2019 16:02

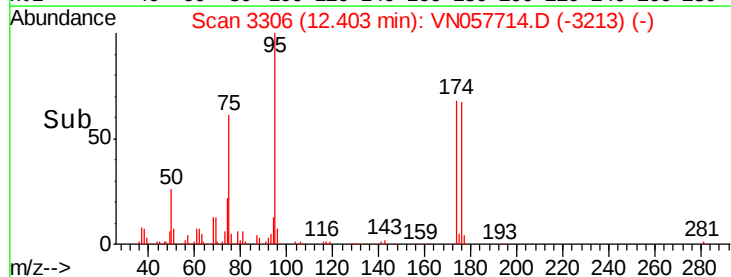
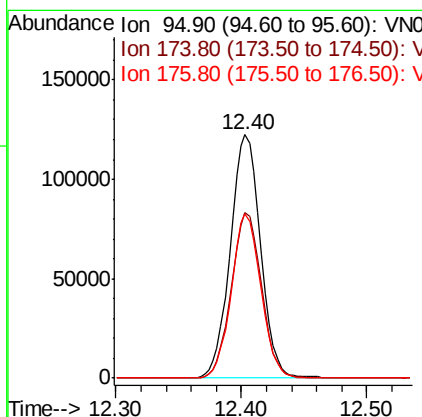
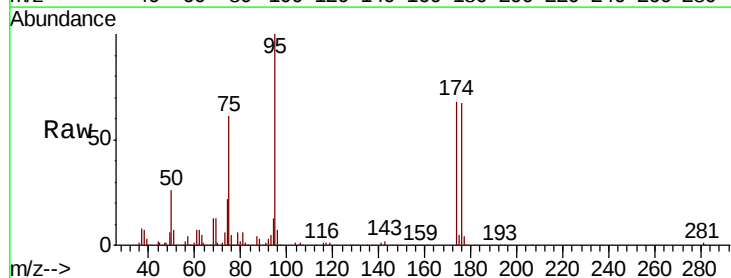
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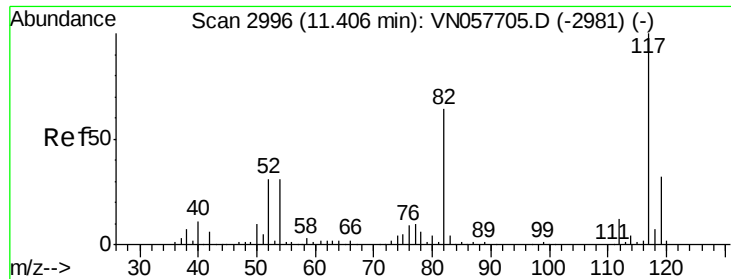
Tgt Ion: 98 Resp: 561525
Ion Ratio Lower Upper
98 100
100 63.8 50.7 76.1



#62
4-Bromofluorobenzene
Concen: 45.196 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057714.D
Acq: 6 Sep 2019 16:02

Tgt Ion: 95 Resp: 204724
Ion Ratio Lower Upper
95 100
174 68.0 0.0 128.0
176 66.0 0.0 128.0

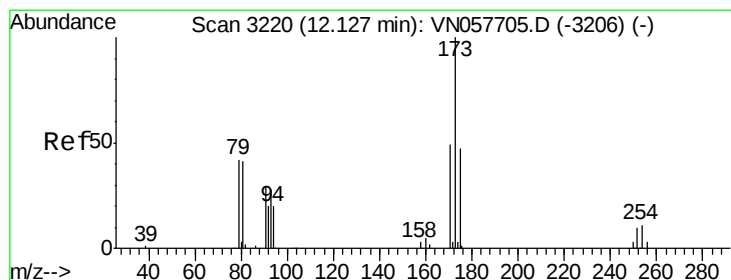
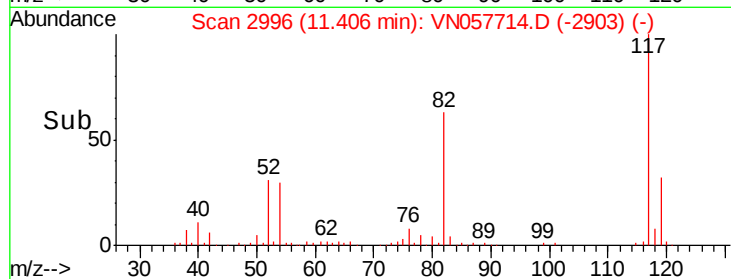
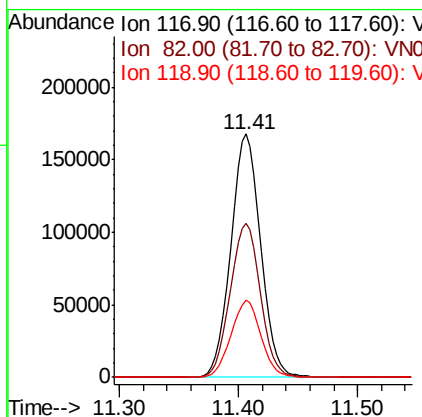
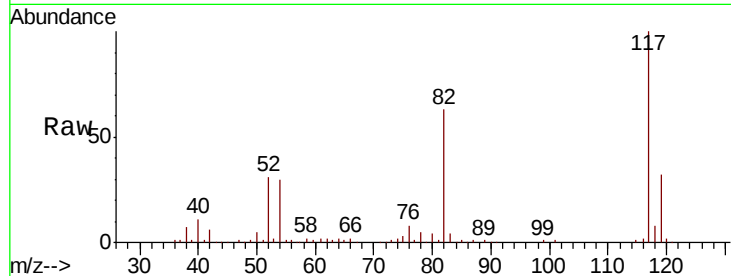




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057714.D
Acq: 6 Sep 2019 16:02

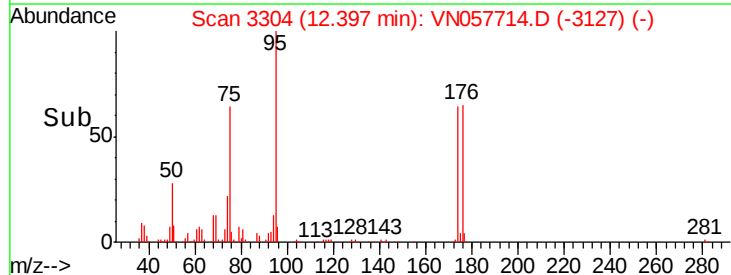
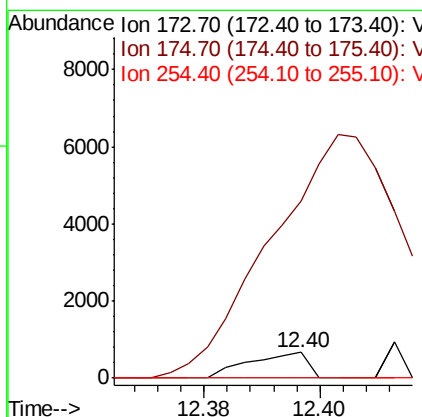
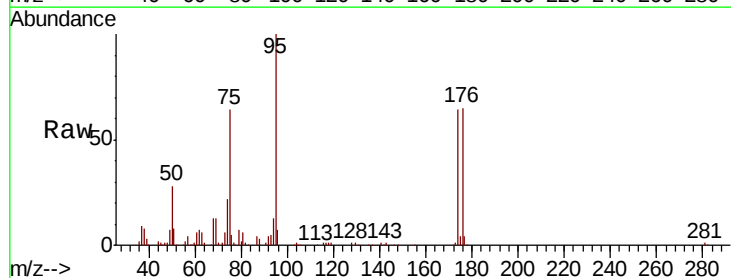
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MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

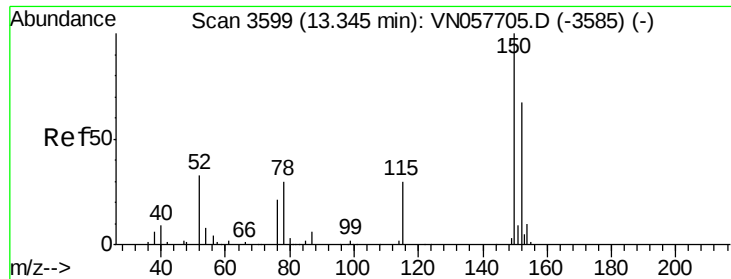
Tgt Ion:117 Resp: 291051
Ion Ratio Lower Upper
117 100
82 63.4 51.4 77.0
119 31.7 25.4 38.2



#71
Bromoform
Concen: 3.463 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN057714.D
Acq: 6 Sep 2019 16:02

Tgt Ion:173 Resp: 466
Ion Ratio Lower Upper
173 100
175 1877.9 24.6 73.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057714.D

Acq: 6 Sep 2019 16:02

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

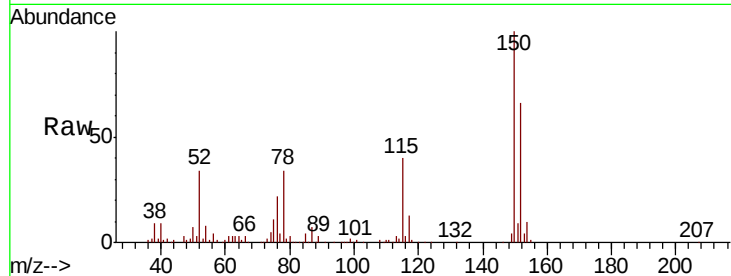
Tgt Ion: 152 Resp: 147681

Ion Ratio Lower Upper

152 100

115 65.1 33.8 101.3

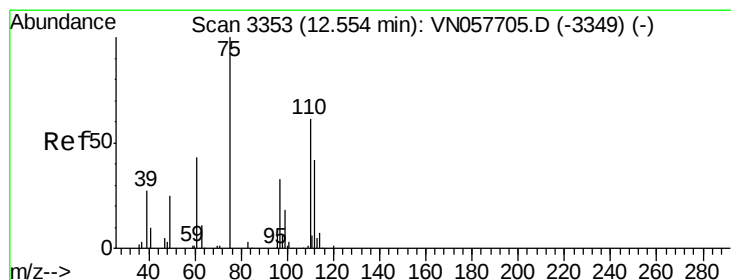
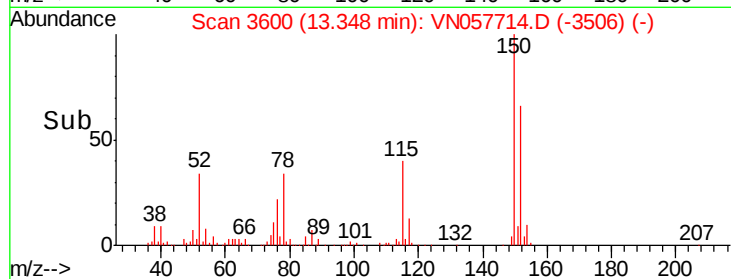
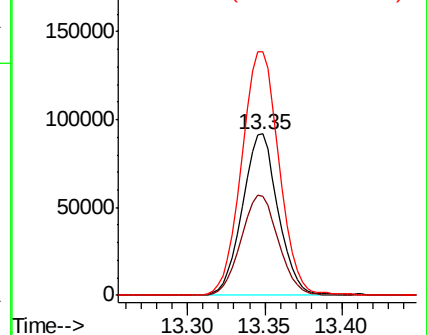
150 158.3 0.0 345.4



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: 36.786 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057714.D

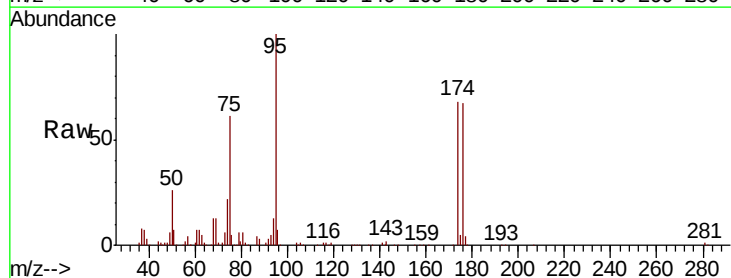
Acq: 6 Sep 2019 16:02

Tgt Ion: 75 Resp: 124751

Ion Ratio Lower Upper

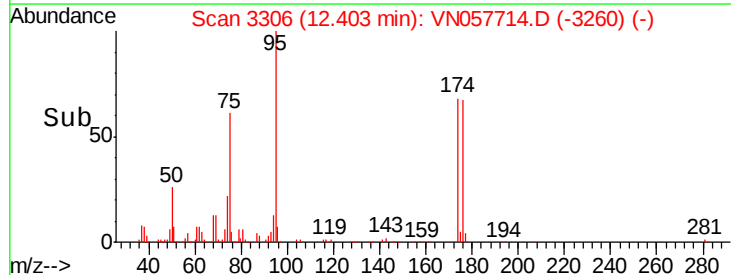
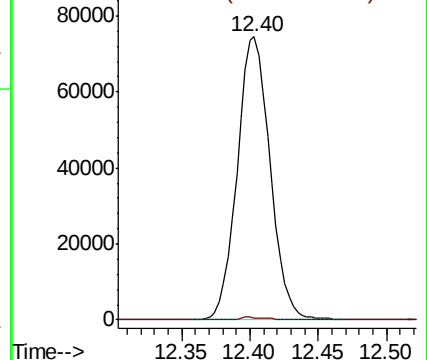
75 100

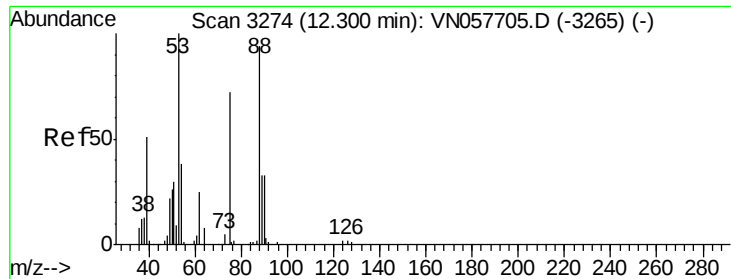
77 0.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 114.403 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057714.D

Acq: 6 Sep 2019 16:02

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

Tgt Ion: 75 Resp: 124751

Ion Ratio Lower Upper

75 100

53 0.0 107.0 160.6#

89 0.0 36.5 54.7#

