

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
 Data File : VN056950.D
 Acq On : 26 Jul 2019 18:46
 Operator : JC/SP
 Sample : K4015-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Jul 27 00:55:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:47:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	700309	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	1017615	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	841074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	243597	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	335523	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	
35) Dibromofluoromethane	7.58	113	309137	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
50) Toluene-d8	10.08	98	1196221	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
62) 4-Bromofluorobenzene	12.40	95	321544	39.76	ug/l	0.00
Spiked Amount			Recovery	=	79.52%	

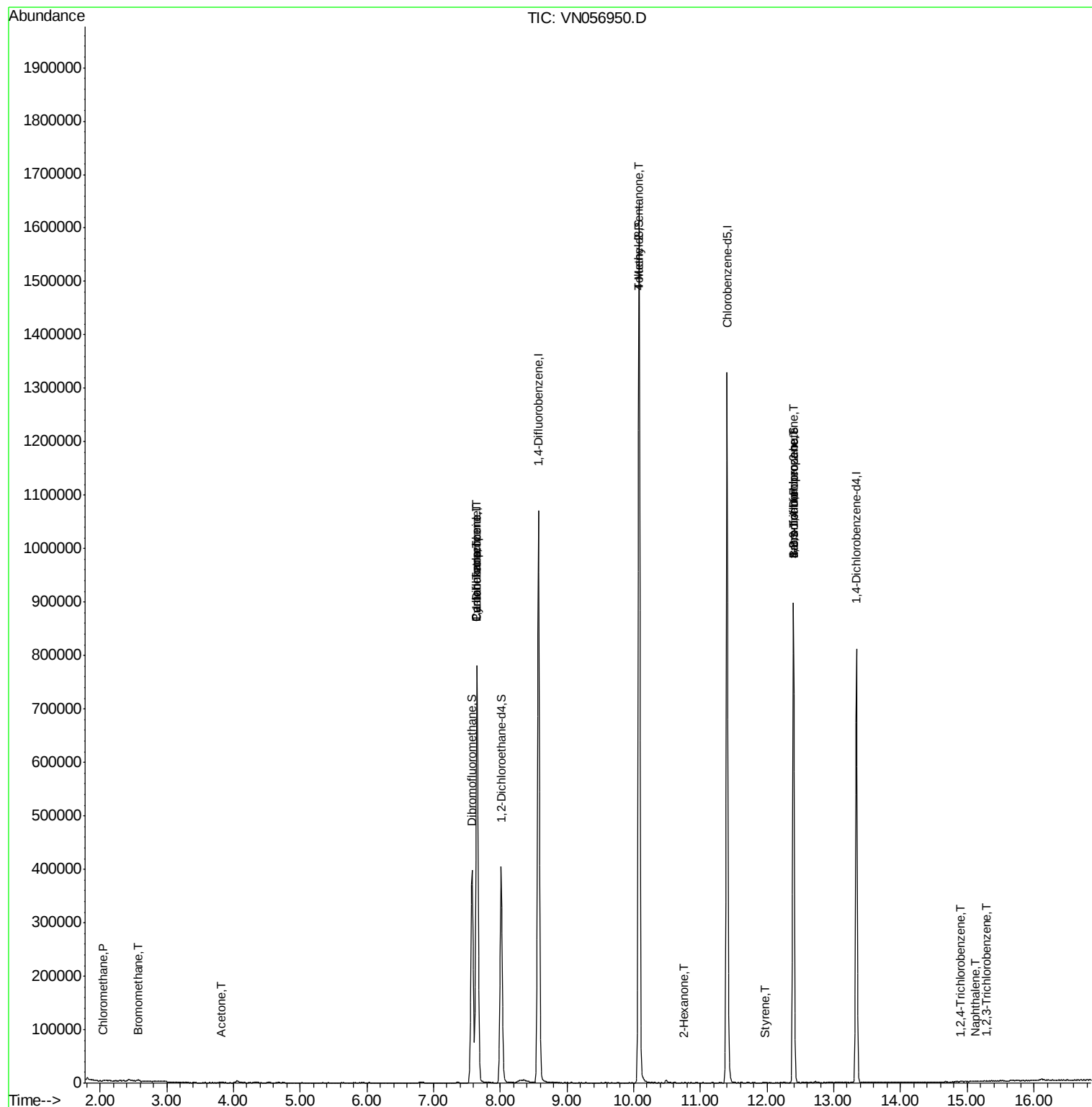
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.05	50	1735	0.205	ug/l #	85
5) Bromomethane	2.57	94	1423	0.288	ug/l #	69
16) Acetone	3.81	43	2405	0.926	ug/l	96
31) Cyclohexane	7.65	56	10275	0.872	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	44496	4.969	ug/l #	49
38) Carbon Tetrachloride	7.65	117	59812	7.062	ug/l #	17
51) 4-Methyl-2-Pentanone	10.08	43	4359	0.619	ug/l #	1
59) 2-Hexanone	10.75	43	156	2.528	ug/l #	23
70) Styrene	11.96	104	284	1.881	ug/l #	42
71) Bromoform	12.40	173	2097	0.466	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.39	83	165	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	147836	29.884	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	147836	96.015	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.90	180	231	2.763	ug/l #	1
95) Naphthalene	15.12	128	813	3.661	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.29	180	537	2.170	ug/l #	51

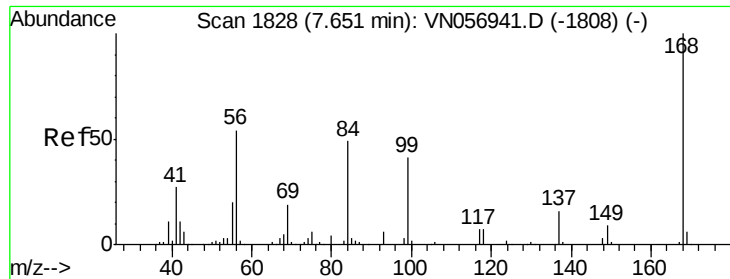
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN056950.D

Acq: 26 Jul 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

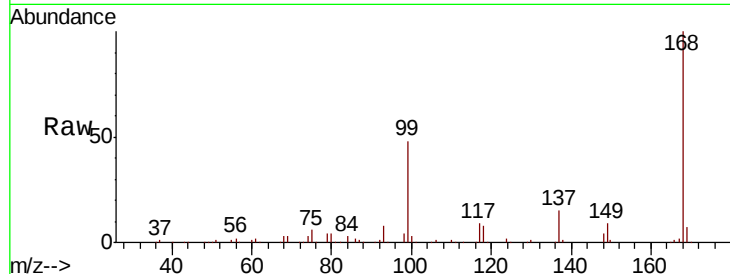
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 700309

Ion Ratio Lower Upper

168 100

99 47.8 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VN056941.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN056941.D (-1808) (-)

7.65

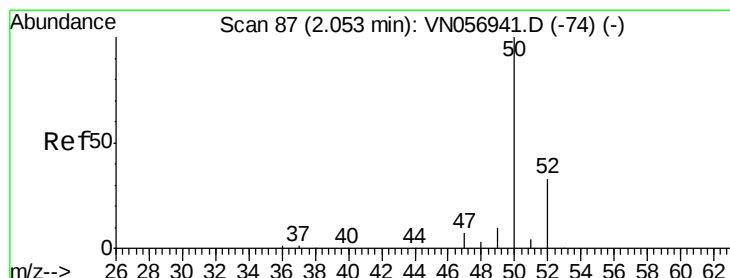
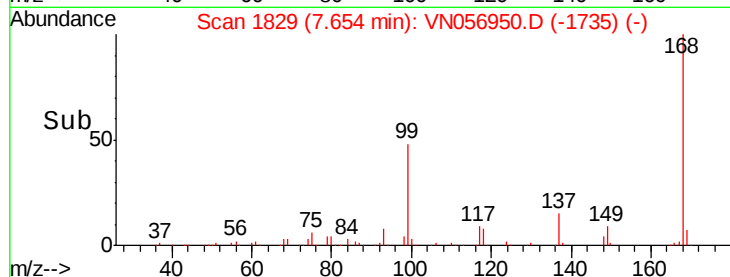
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.205 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN056950.D

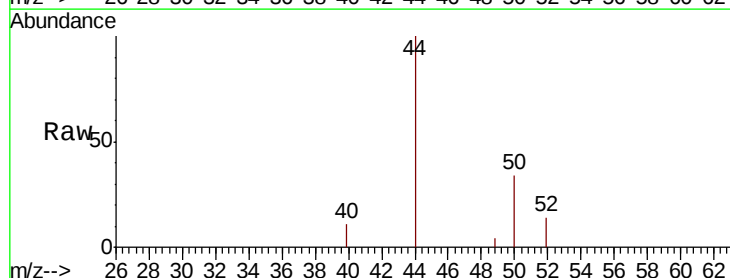
Acq: 26 Jul 2019 18:46

Tgt Ion: 50 Resp: 1735

Ion Ratio Lower Upper

50 100

52 41.1 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VN056941.D (-74) (-)

Ion 51.90 (51.60 to 52.60): VN056941.D (-74) (-)

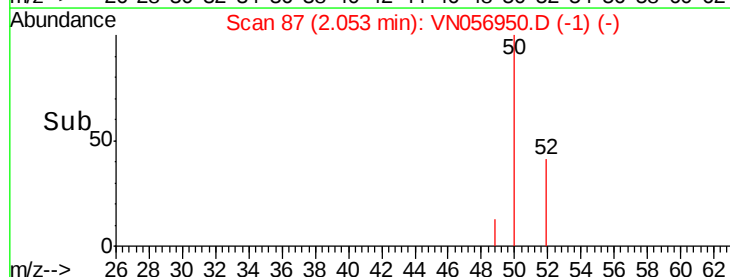
2.05

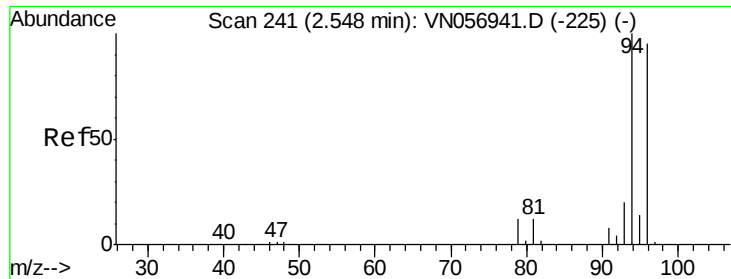
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.288 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.02 min

Lab File: VN056950.D

Acq: 26 Jul 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

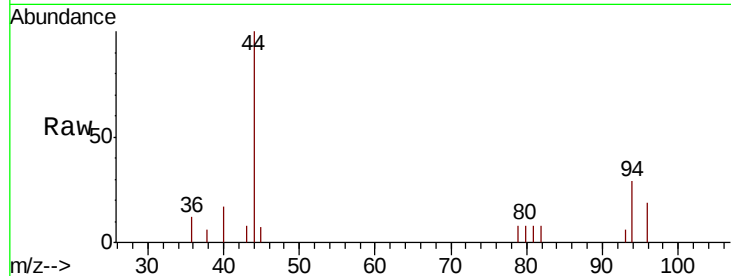
STORAGE-BLANK-WATER-REF-4

Tot Ion: 94 Resp: 1423

Ion Ratio Lower Upper

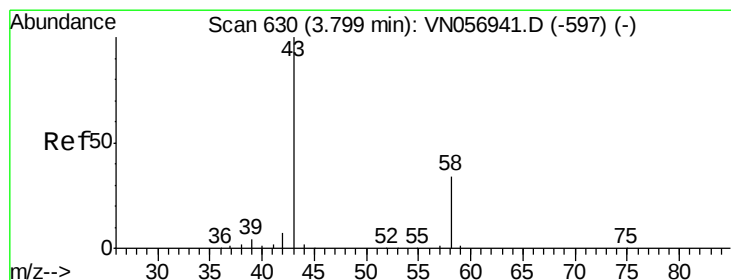
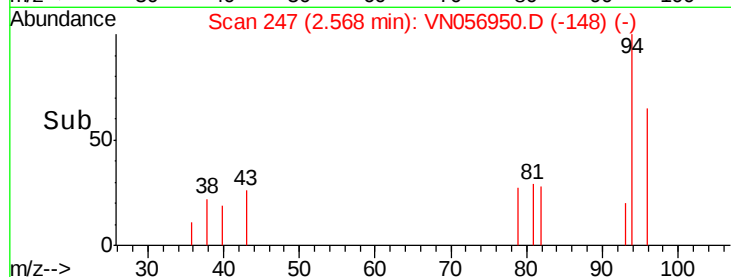
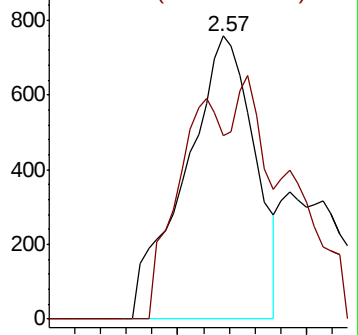
94 100

96 65.0 76.2 114.2#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#16

Acetone

Concen: 0.926 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN056950.D

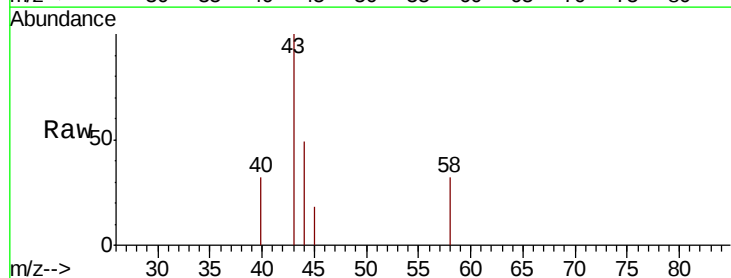
Acq: 26 Jul 2019 18:46

Tgt Ion: 43 Resp: 2405

Ion Ratio Lower Upper

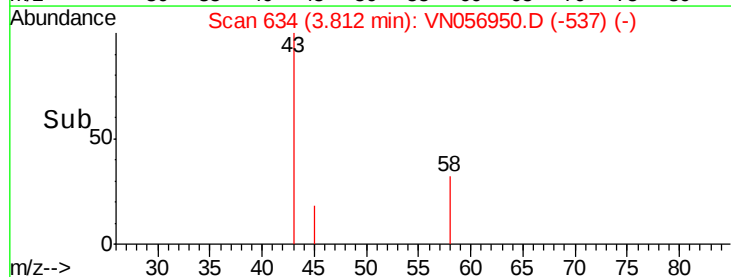
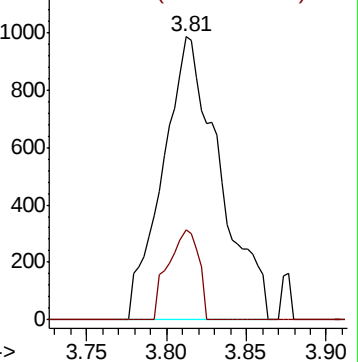
43 100

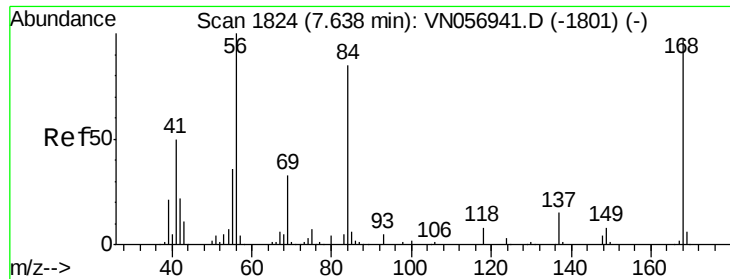
58 31.8 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

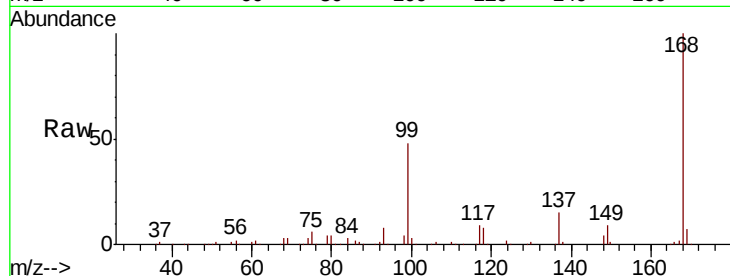




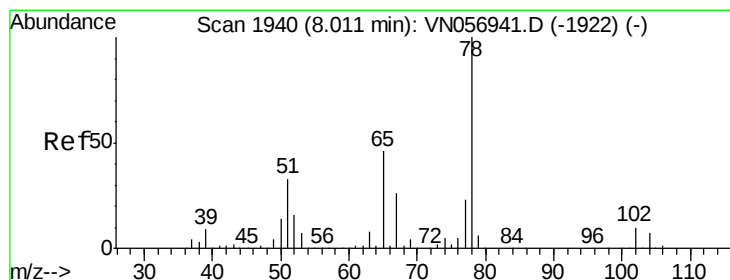
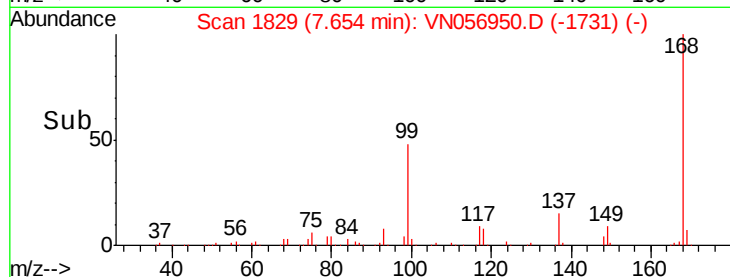
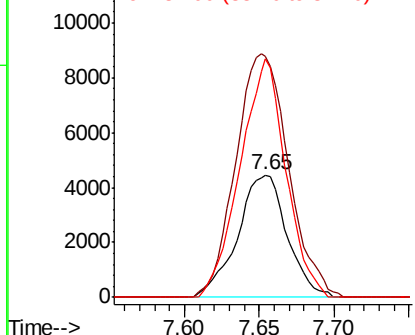
#31
Cyclohexane
Concen: 0.872 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.02 min
Lab File: VN056950.D
Acq: 26 Jul 2019 18:46

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

Tot Ion: 56 Resp: 10275
Ion Ratio Lower Upper
56 100
69 197.0 26.2 39.2#
84 194.9 68.2 102.2#

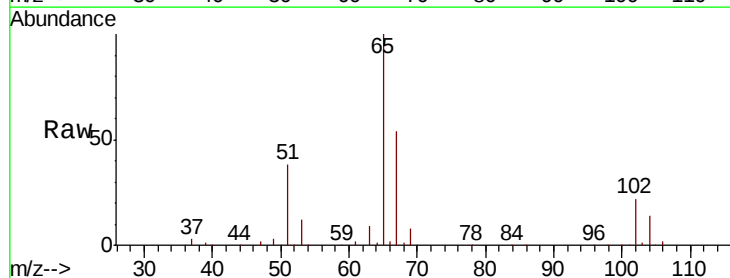


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

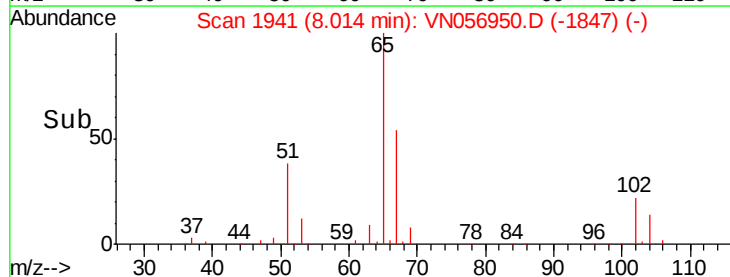
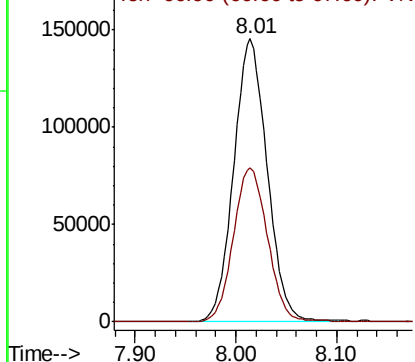


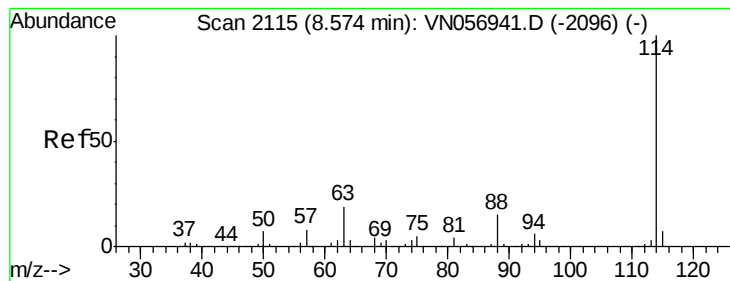
#33
1,2-Dichloroethane-d4
Concen: 46.804 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN056950.D
Acq: 26 Jul 2019 18:46

Tgt Ion: 65 Resp: 335523
Ion Ratio Lower Upper
65 100
67 55.8 0.0 112.0



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: VN056950.D

Acq: 26 Jul 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

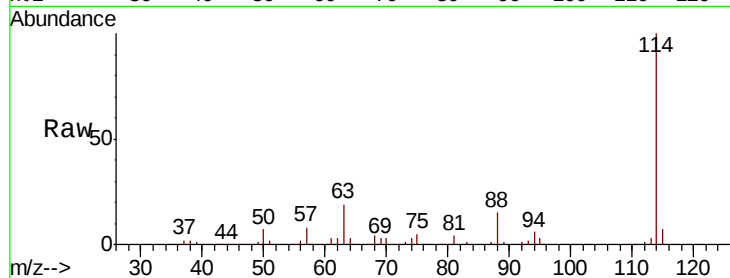
Tot Ion:114 Resp: 1017615

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.0

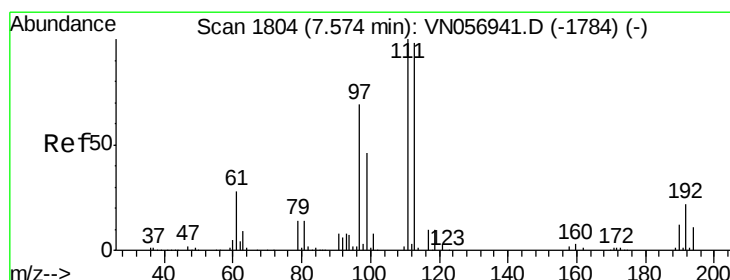
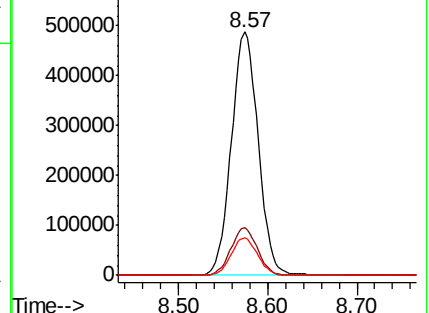
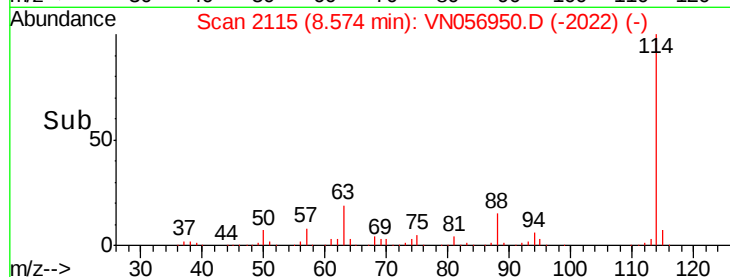
88 15.3 0.0 30.0



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: 47.454 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN056950.D

Acq: 26 Jul 2019 18:46

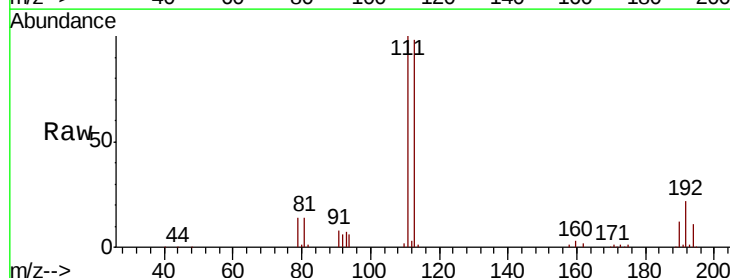
Tgt Ion:113 Resp: 309137

Ion Ratio Lower Upper

113 100

111 103.0 82.0 123.0

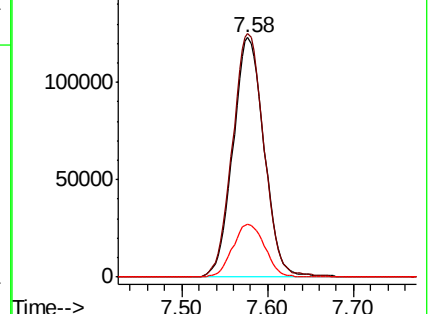
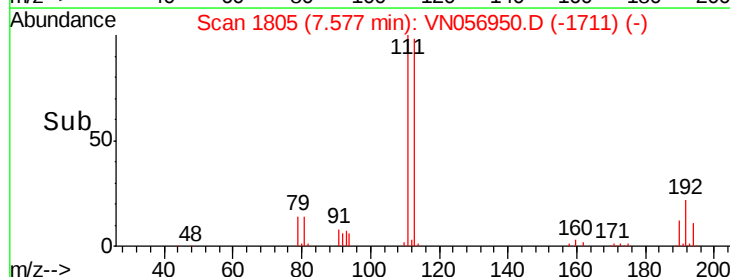
192 22.9 18.4 27.6

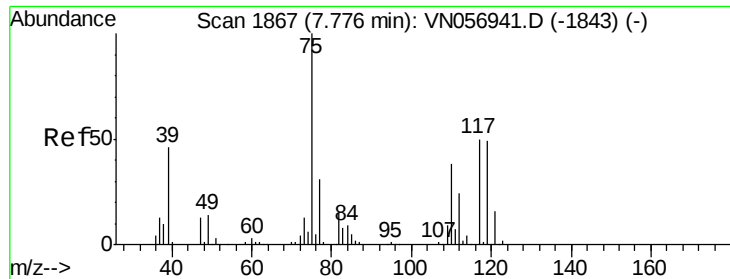


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

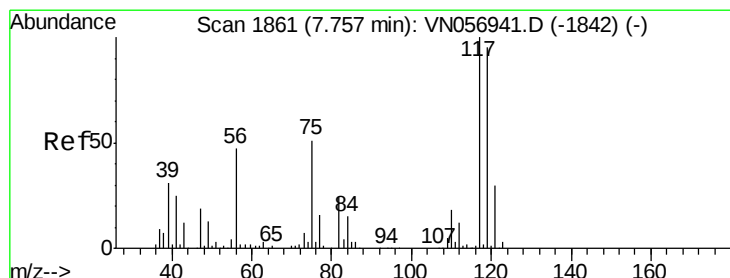
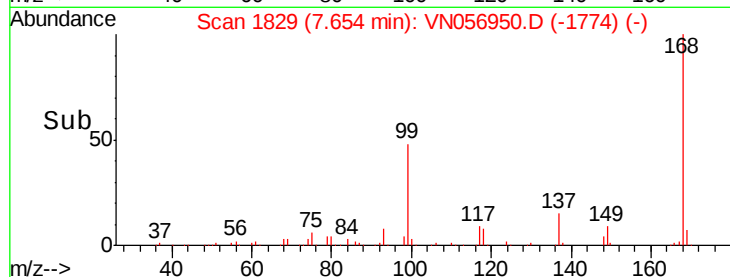
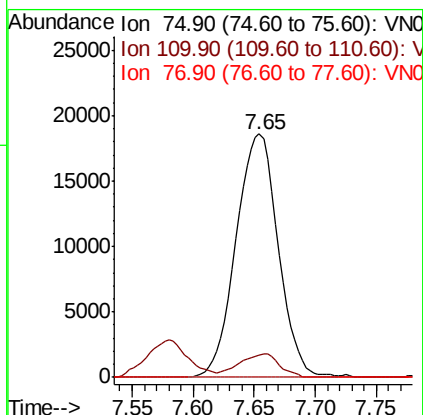
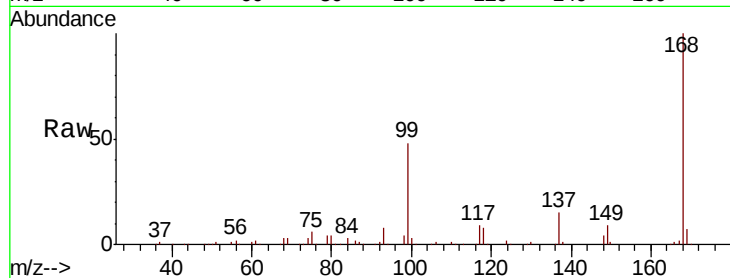




#36
 1,1-Dichloropropene
 Concen: 4.969 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN056950.D
 Acq: 26 Jul 2019 18:46

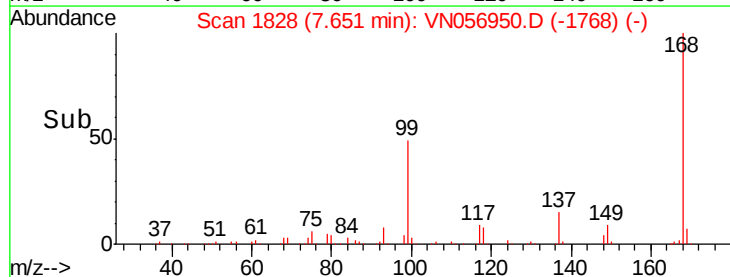
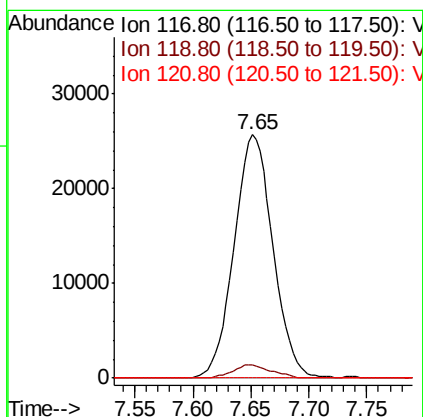
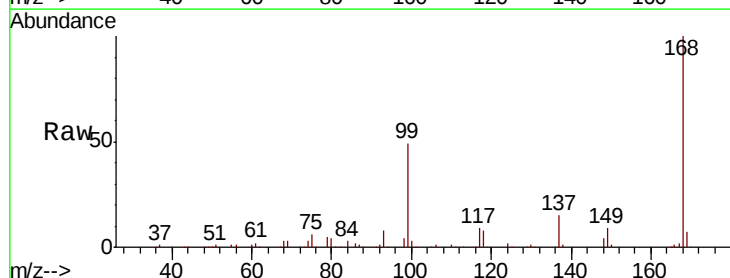
Instrument :
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 STORAGE-BLANK-WATER-REF-4

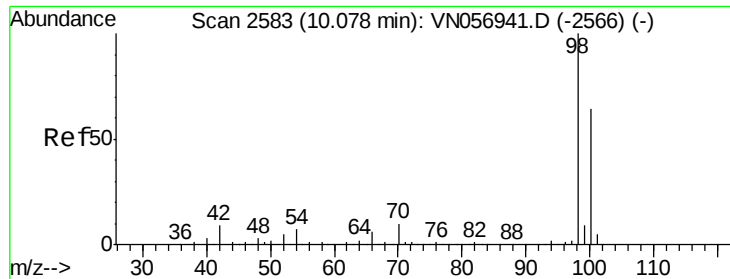
Tot Ion	75	Resp	44496
Ion Ratio	Lower	Upper	
75	100		
110	9.3	18.6	55.8#
77	0.0	25.2	37.8#



#38
 Carbon Tetrachloride
 Concen: 7.062 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN056950.D
 Acq: 26 Jul 2019 18:46

Tgt Ion	117	Resp	59812
Ion Ratio	Lower	Upper	
117	100		
119	5.3	75.3	112.9#
121	0.0	24.2	36.4#





#50

Toluene-d8

Concen: 48.152 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN056950.D

Acq: 26 Jul 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

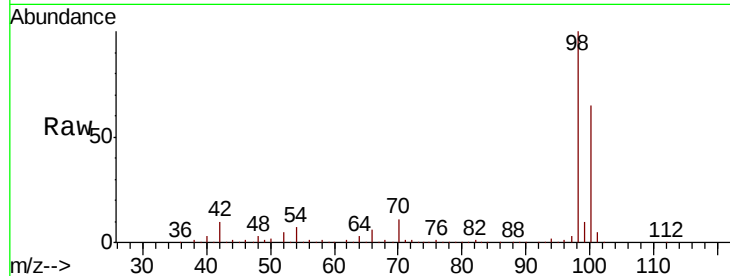
STORAGE-BLANK-WATER-REF-4

Tot Ion: 98 Resp: 1196221

Ion Ratio Lower Upper

98 100

100 64.4 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN056941.D (-2566) (-)

Ion 100.00 (99.70 to 100.70): VN056941.D (-2566) (-)

10.08

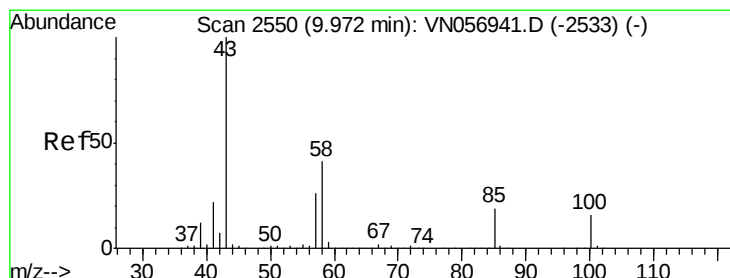
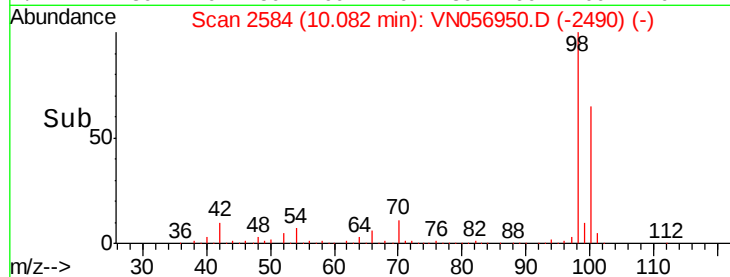
600000

400000

200000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.619 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.11 min

Lab File: VN056950.D

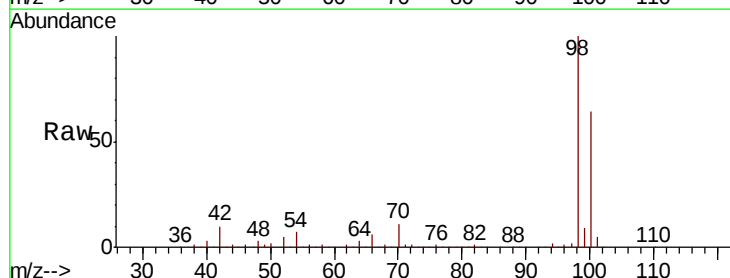
Acq: 26 Jul 2019 18:46

Tgt Ion: 43 Resp: 4359

Ion Ratio Lower Upper

43 100

58 192.7 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN056941.D (-2533) (-)

10.08

5000

4000

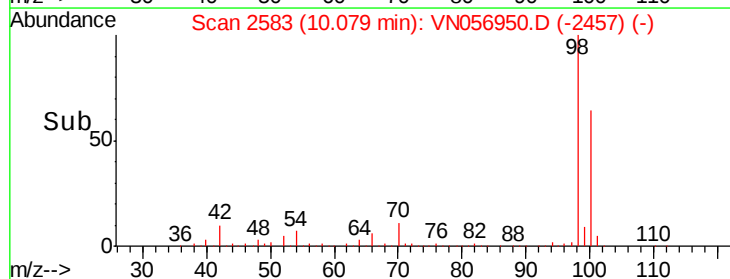
3000

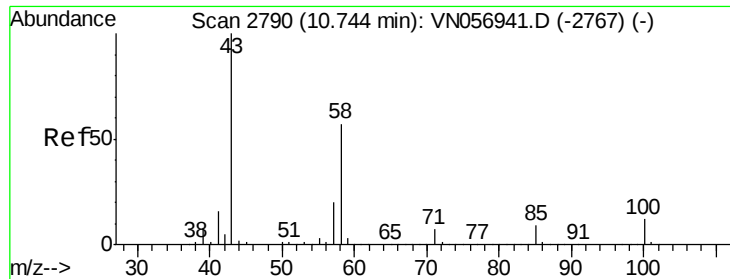
2000

1000

0

Time-->

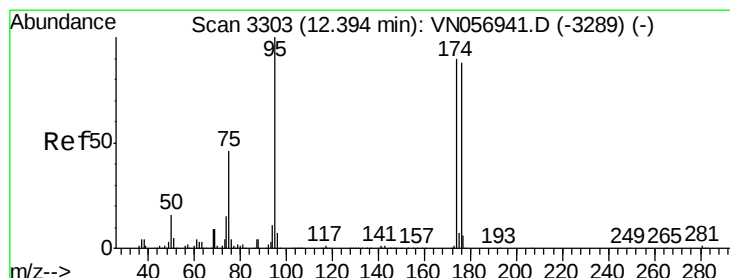
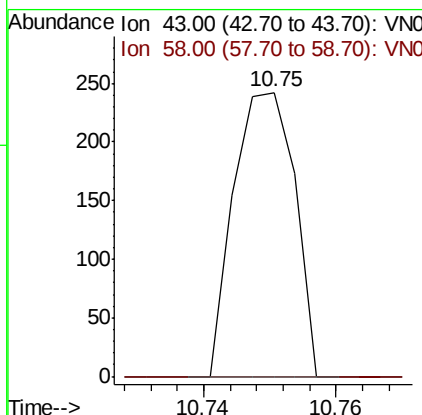
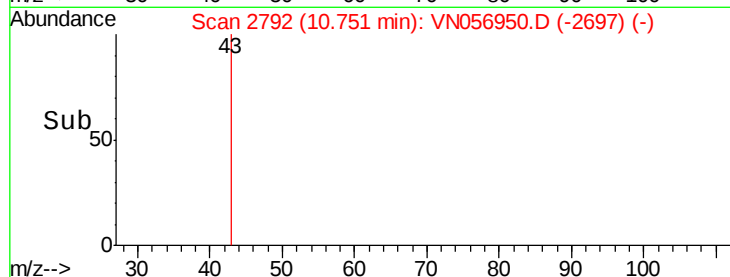
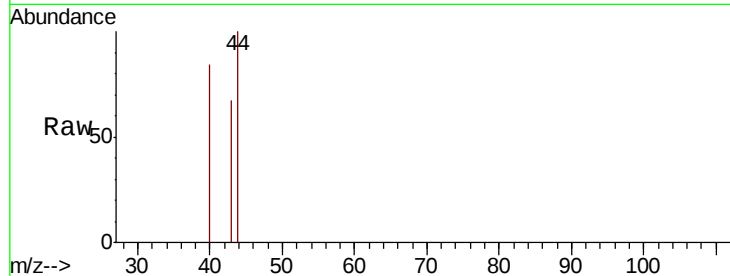




#59
2-Hexanone
Concen: 2.528 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.01 min
Lab File: VN056950.D
Acq: 26 Jul 2019 18:46

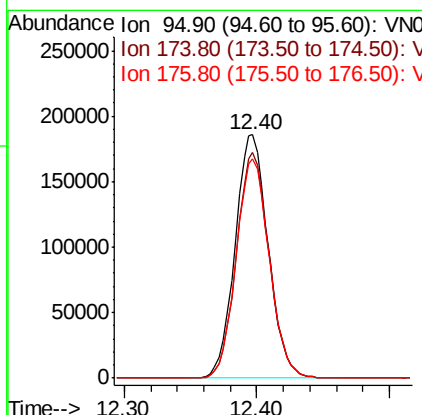
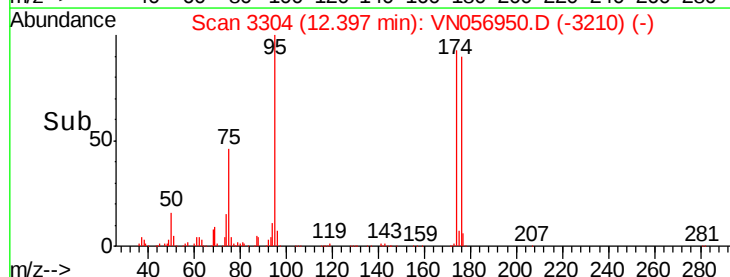
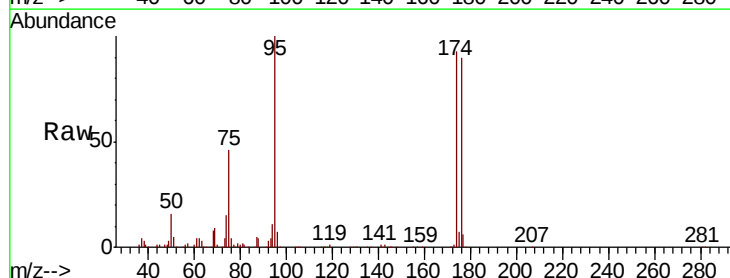
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

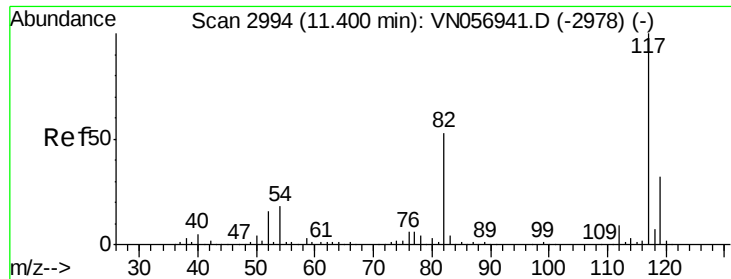
Tot Ion: 43 Resp: 156
Ion Ratio Lower Upper
43 100
58 0.0 28.5 85.5#



#62
4-Bromofluorobenzene
Concen: 39.759 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN056950.D
Acq: 26 Jul 2019 18:46

Tgt Ion: 95 Resp: 321544
Ion Ratio Lower Upper
95 100
174 91.4 0.0 182.2
176 90.1 0.0 179.4

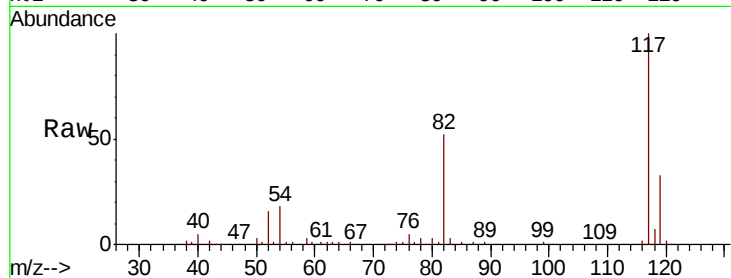




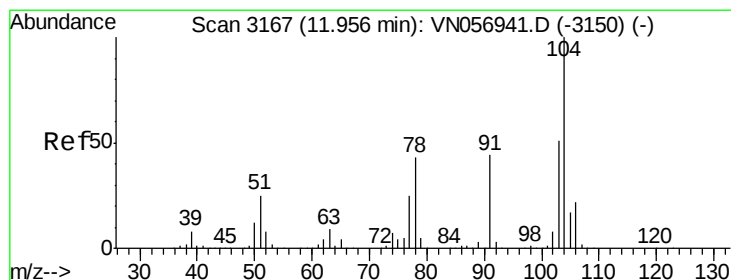
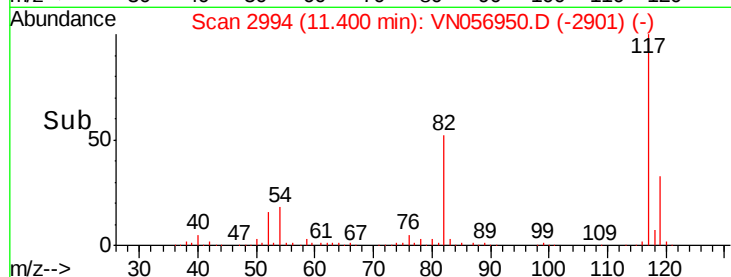
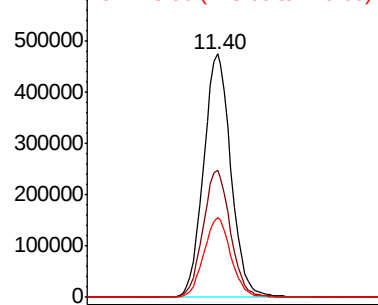
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN056950.D
Acq: 26 Jul 2019 18:46

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

Tot Ion:117 Resp: 841074
Ion Ratio Lower Upper
117 100
82 52.0 42.2 63.4
119 32.8 25.8 38.6

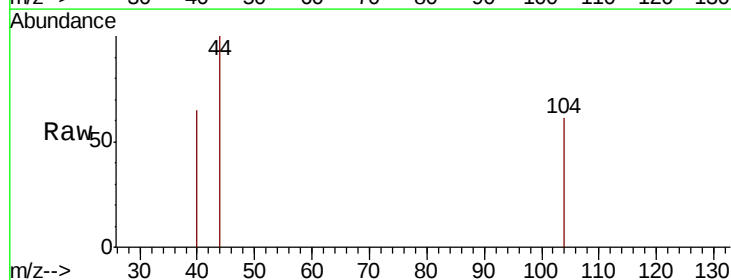


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

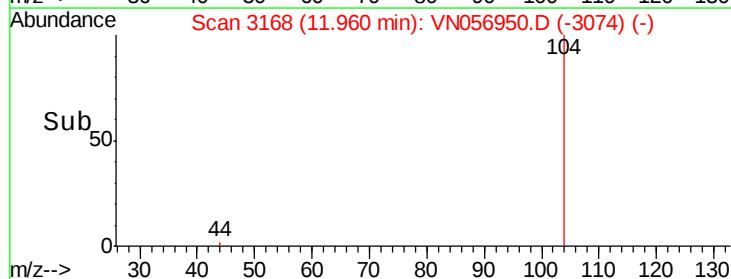
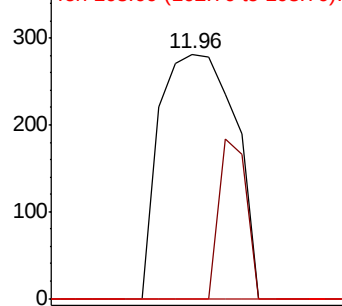


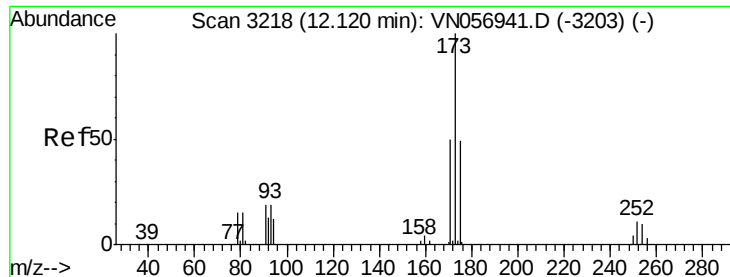
#70
Styrene
Concen: 1.881 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN056950.D
Acq: 26 Jul 2019 18:46

Tgt Ion:104 Resp: 284
Ion Ratio Lower Upper
104 100
78 23.6 38.1 57.1#
103 0.0 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

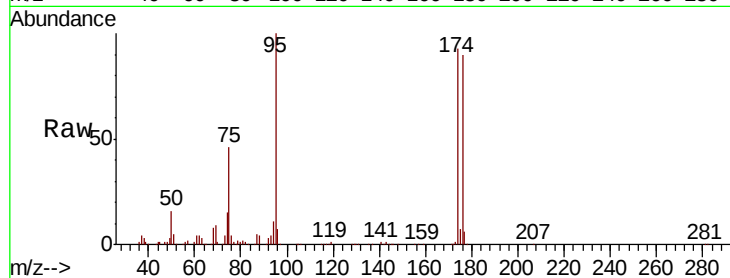




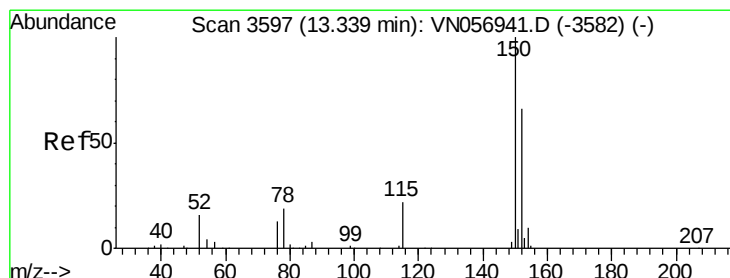
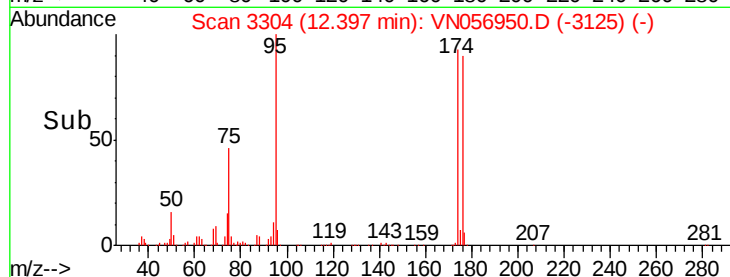
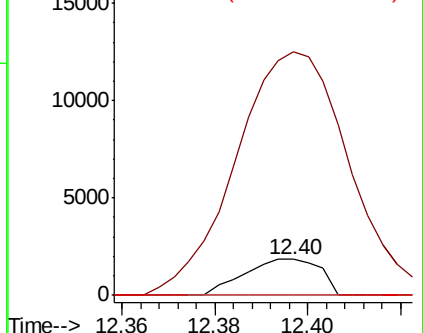
#71
Bromoform
Concen: 0.466 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN056950.D
Acq: 26 Jul 2019 18:46

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

Tot Ion:173 Resp: 2097
Ion Ratio Lower Upper
173 100
175 860.9 24.1 72.4#
254 0.0 0.1 0.1#

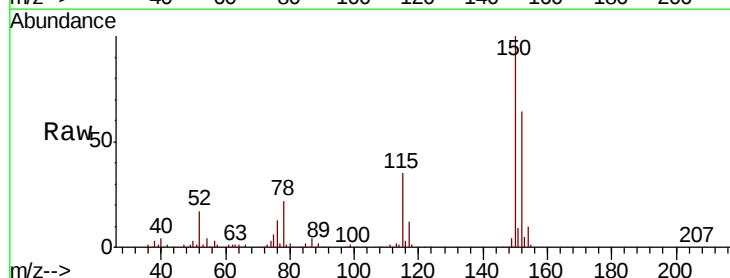


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

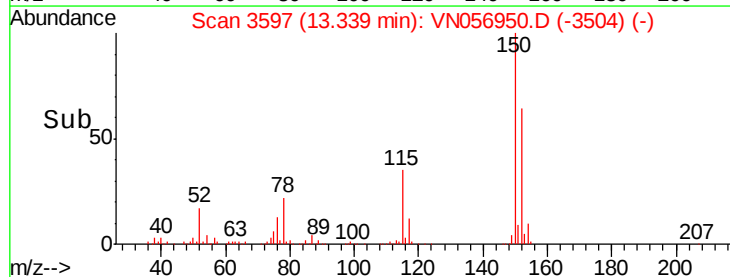
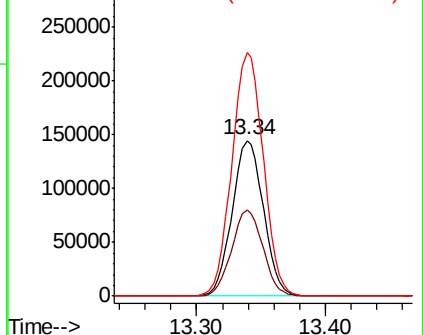


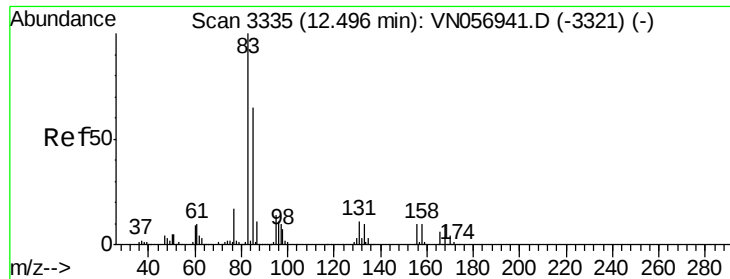
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN056950.D
Acq: 26 Jul 2019 18:46

Tgt Ion:152 Resp: 243597
Ion Ratio Lower Upper
152 100
115 55.1 28.2 84.6
150 157.6 0.0 349.4



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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.39 min Scan# 3302

Delta R.T. -0.11 min

Lab File: VN056950.D

Acq: 26 Jul 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

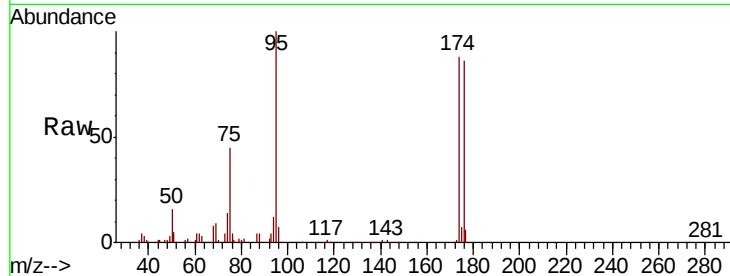
Tot Ion: 83 Resp: 165

Ion Ratio Lower Upper

83 100

131 209.1 5.3 16.1#

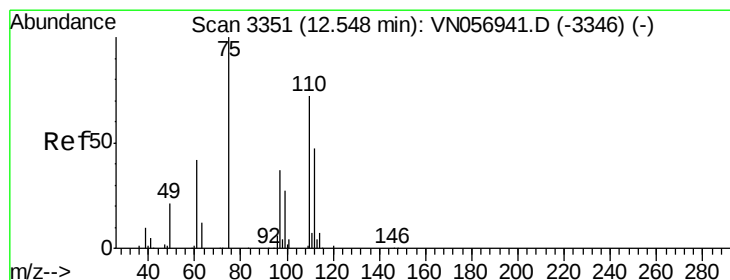
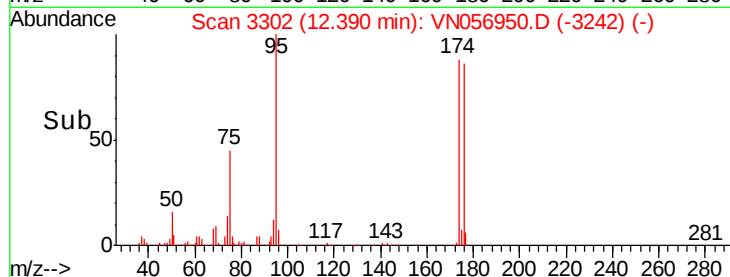
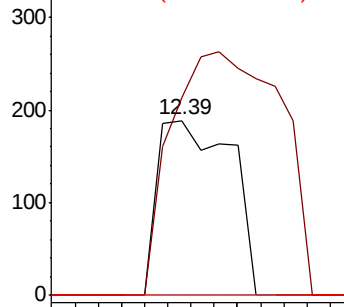
85 0.0 32.5 97.4#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 29.884 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN056950.D

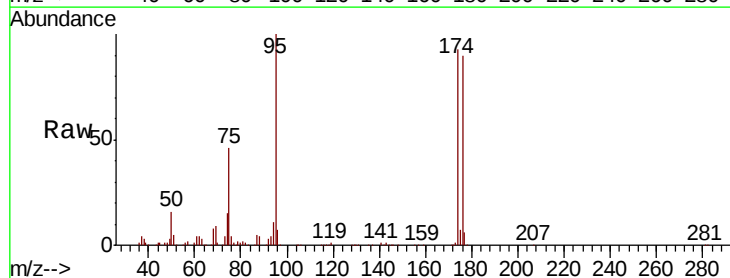
Acq: 26 Jul 2019 18:46

Tgt Ion: 75 Resp: 147836

Ion Ratio Lower Upper

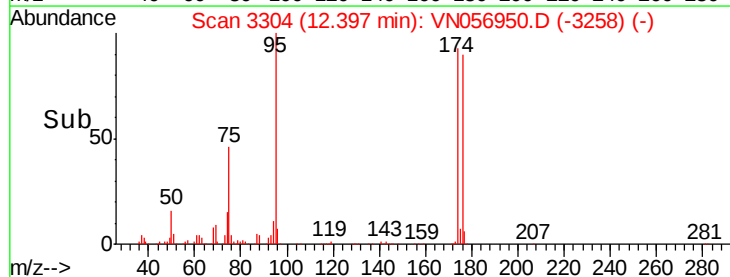
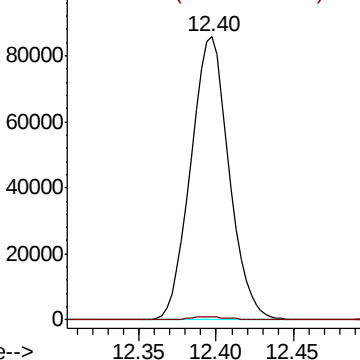
75 100

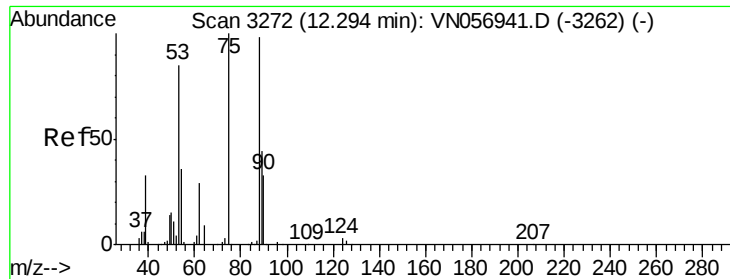
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#81

trans-1,4-Dichloro-2-butene

Concen: 96.015 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN056950.D

Acq: 26 Jul 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

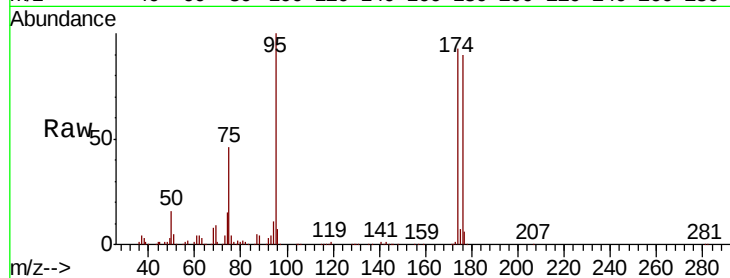
Tot Ion: 75 Resp: 147836

Ion Ratio Lower Upper

75 100

53 0.0 69.3 103.9#

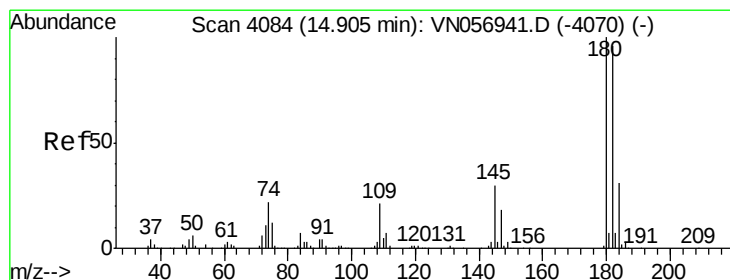
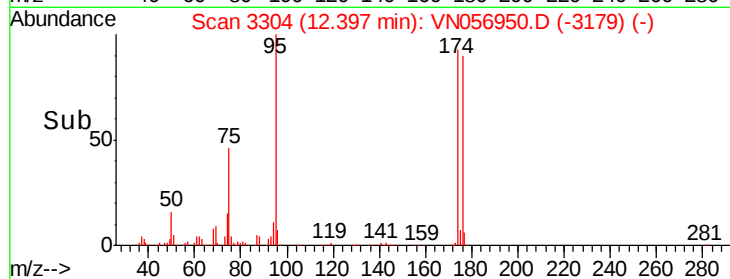
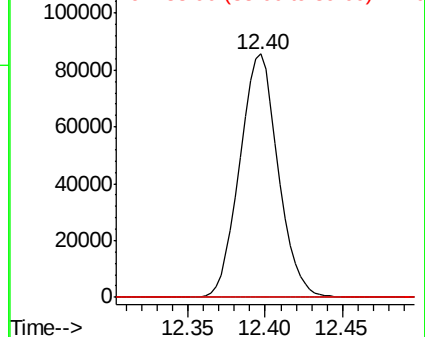
89 0.0 35.8 53.6#



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



#93

1,2,4-Trichlorobenzene

Concen: 2.763 ug/l

RT: 14.90 min Scan# 4083

Delta R.T. -0.00 min

Lab File: VN056950.D

Acq: 26 Jul 2019 18:46

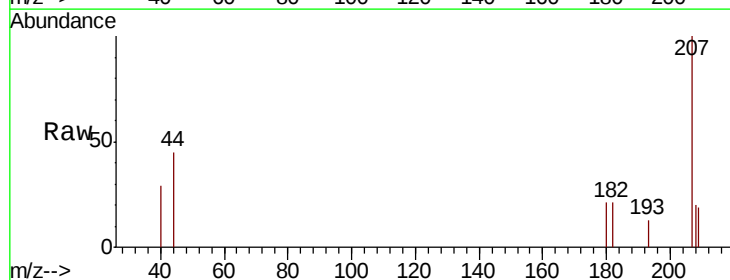
Tgt Ion: 180 Resp: 231

Ion Ratio Lower Upper

180 100

182 210.8 47.6 142.8#

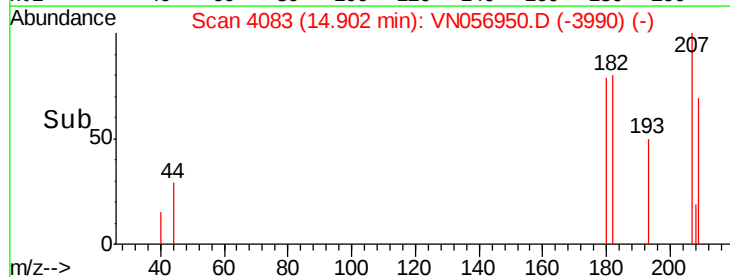
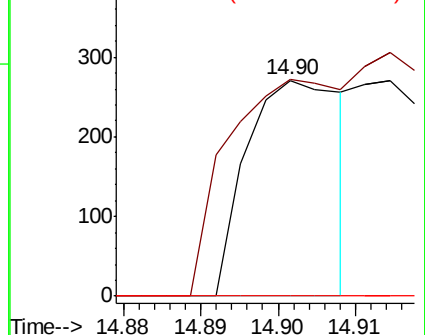
145 0.0 14.2 42.8#

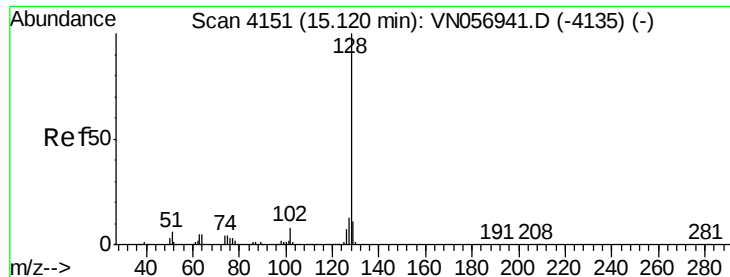


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 3.661 ug/l

RT: 15.12 min Scan# 4150

Delta R.T. -0.00 min

Lab File: VN056950.D

Acq: 26 Jul 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

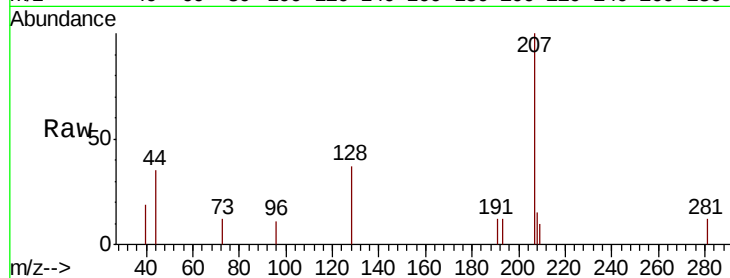
Tot Ion:128 Resp: 813

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

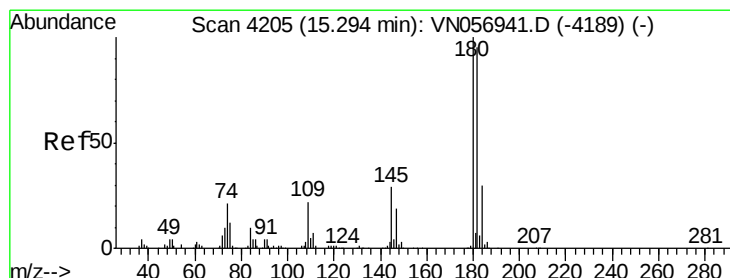
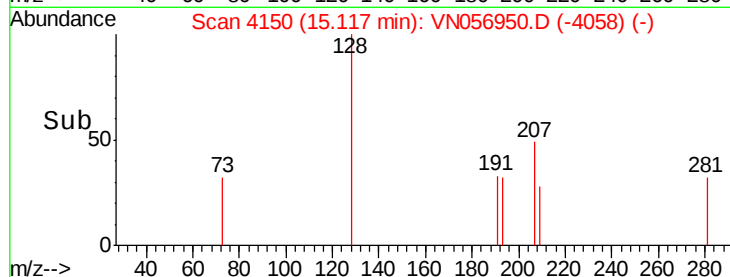
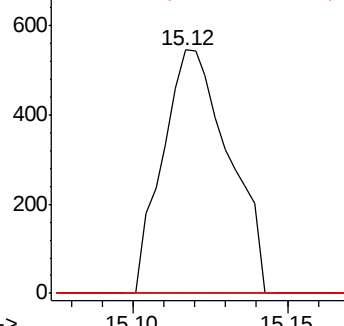
129 0.0 8.7 13.1#



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: 2.170 ug/l

RT: 15.29 min Scan# 4204

Delta R.T. -0.00 min

Lab File: VN056950.D

Acq: 26 Jul 2019 18:46

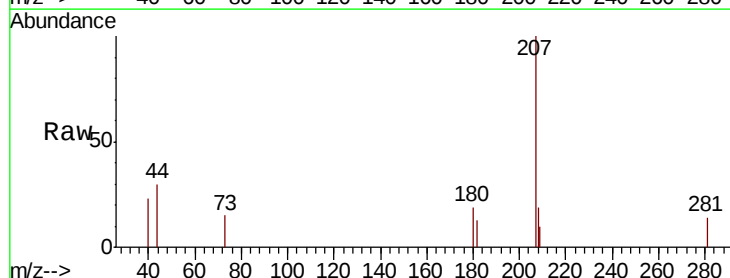
Tgt Ion:180 Resp: 537

Ion Ratio Lower Upper

180 100

182 49.9 48.0 144.2

145 0.0 15.0 45.0#



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

