

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
 Data File : VN056951.D
 Acq On : 26 Jul 2019 19:13
 Operator : JC/SP
 Sample : K4015-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Jul 27 00:55:53 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

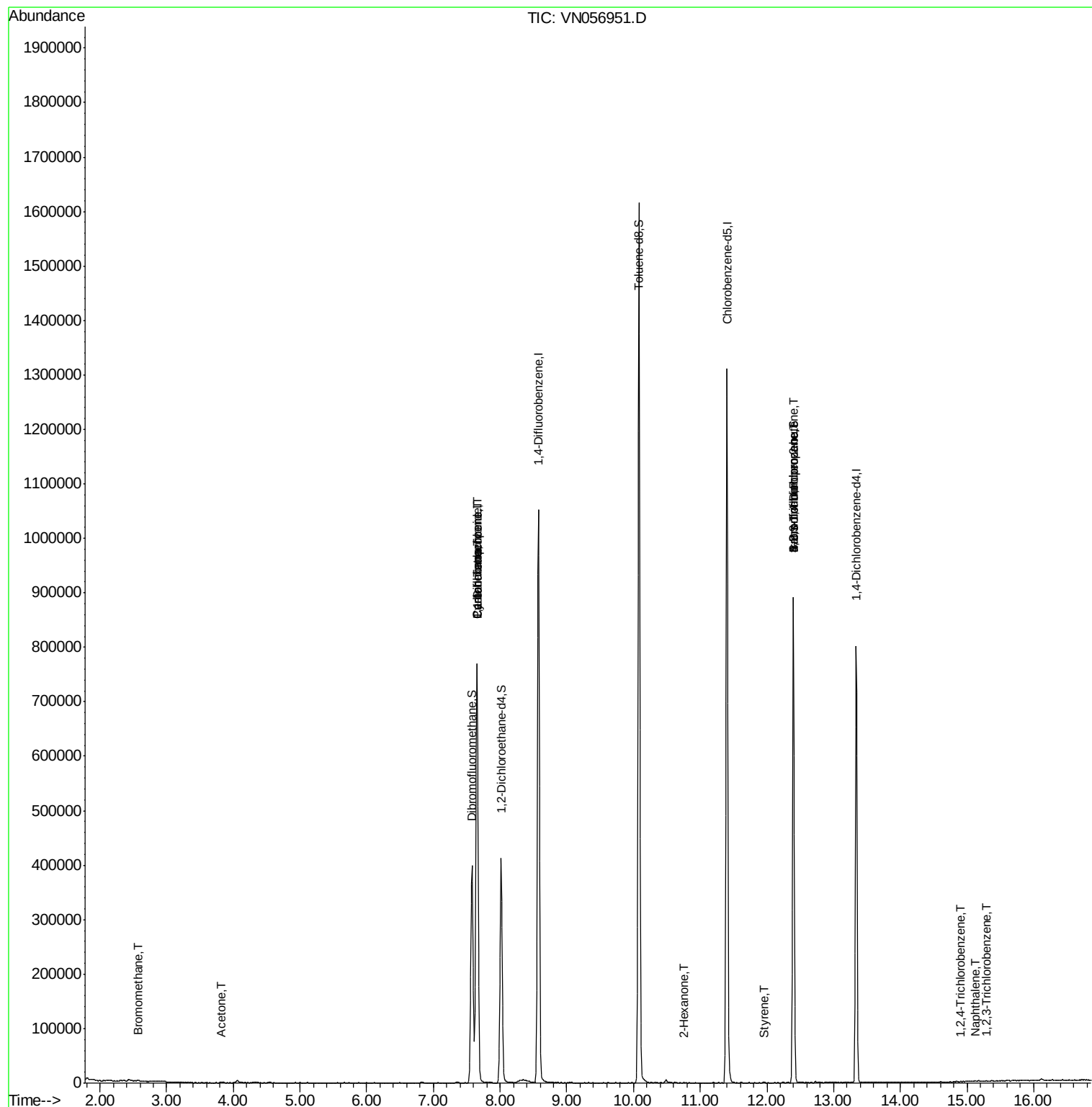
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	689646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	1012345	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	827861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	240438	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	340657	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
35) Dibromofluoromethane	7.58	113	311647	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
50) Toluene-d8	10.08	98	1183759	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
62) 4-Bromofluorobenzene	12.40	95	316934	39.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.78%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.58	94	1653	0.340	ug/l #	73
16) Acetone	3.82	43	2144	0.838	ug/l	88
31) Cyclohexane	7.65	56	10606	0.914	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	43661	4.901	ug/l #	48
38) Carbon Tetrachloride	7.65	117	58269	6.915	ug/l #	18
59) 2-Hexanone	10.75	43	159	2.529	ug/l #	23
70) Styrene	11.96	104	202	1.877	ug/l #	36
71) Bromoform	12.39	173	2302	0.519	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	145437	29.785	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	145437	95.698	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.90	180	386	2.799	ug/l #	69
94) Hexachlorobutadiene	15.00	225	146	Below Cal	#	19
95) Naphthalene	15.12	128	731	3.654	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.30	180	356	2.130	ug/l #	81

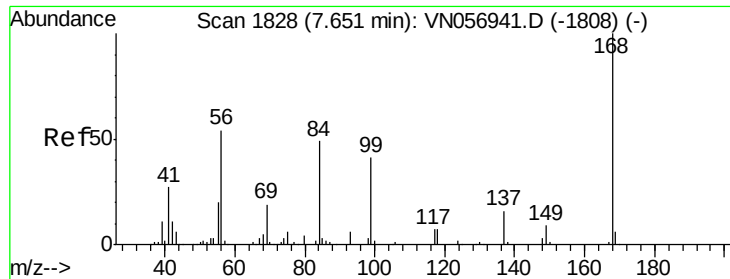
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN056951.D

Acq: 26 Jul 2019 19:13

Instrument :

MSVOA_N

ClientSampleId :

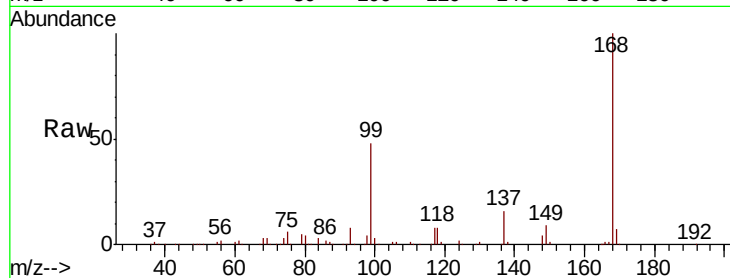
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 689646

Ion Ratio Lower Upper

168 100

99 48.2 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VN056951.D (-1735) (-)

Ion 98.90 (98.60 to 99.60): VN056951.D (-1735) (-)

7.65

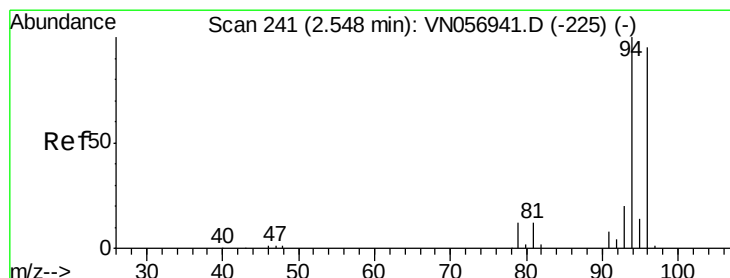
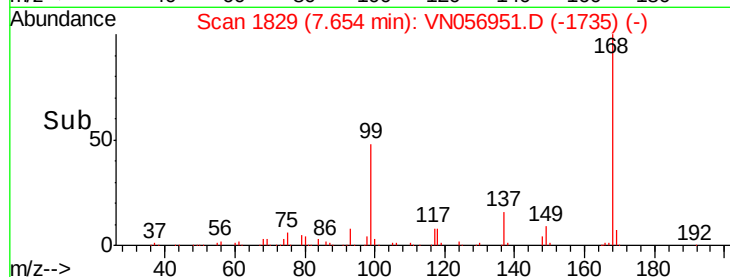
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.340 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.03 min

Lab File: VN056951.D

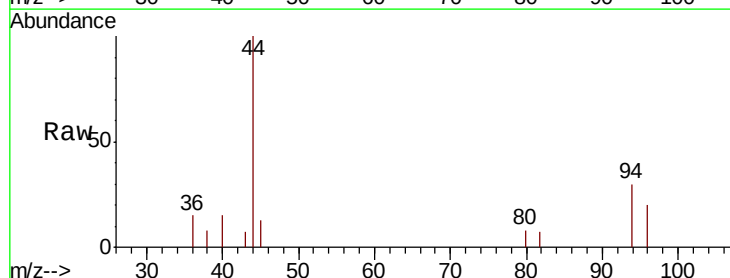
Acq: 26 Jul 2019 19:13

Tgt Ion: 94 Resp: 1653

Ion Ratio Lower Upper

94 100

96 68.9 76.2 114.2#



Abundance Ion 93.90 (93.60 to 94.60): VN056951.D (-148) (-)

Ion 95.90 (95.60 to 96.60): VN056951.D (-148) (-)

2.58

800

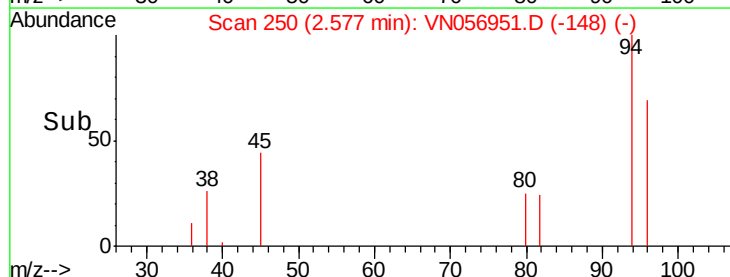
600

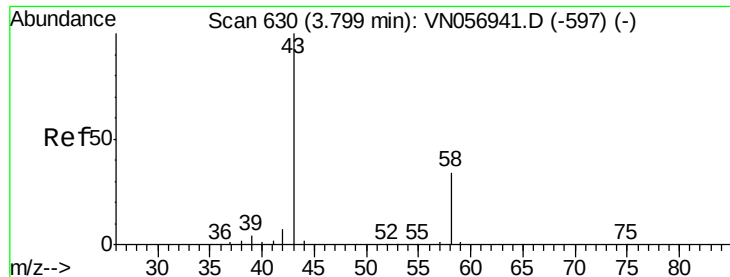
400

200

0

Time-->





#16

Acetone

Concen: 0.838 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.02 min

Lab File: VN056951.D

Acq: 26 Jul 2019 19:13

Instrument :

MSVOA_N

ClientSampleId :

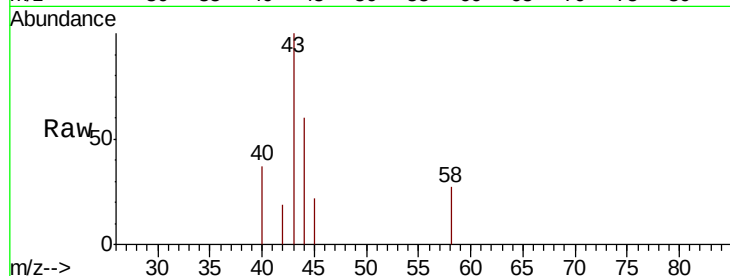
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 2144

Ion Ratio Lower Upper

43 100

58 27.2 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

800

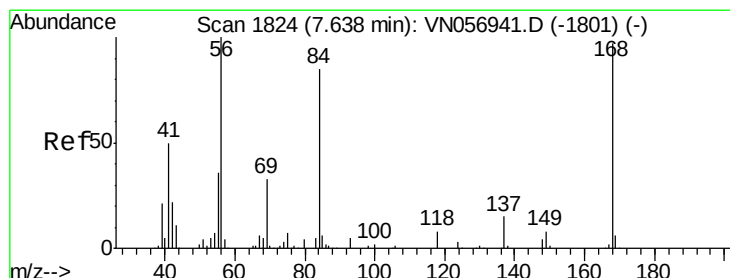
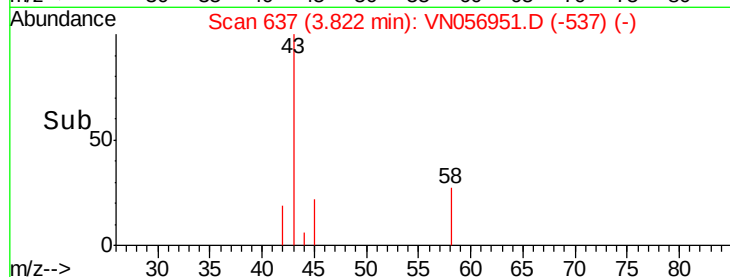
600

400

200

0

Time-->



#31

Cyclohexane

Concen: 0.914 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.02 min

Lab File: VN056951.D

Acq: 26 Jul 2019 19:13

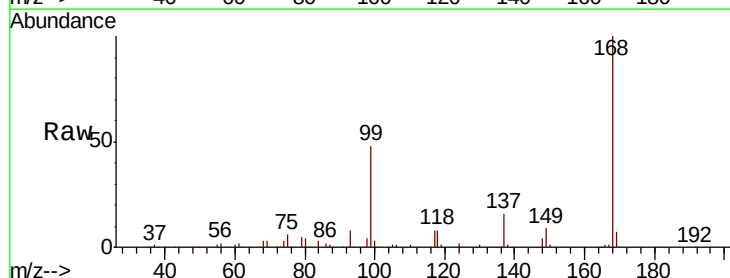
Tgt Ion: 56 Resp: 10606

Ion Ratio Lower Upper

56 100

69 201.1 26.2 39.2#

84 167.5 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

12000

10000

8000

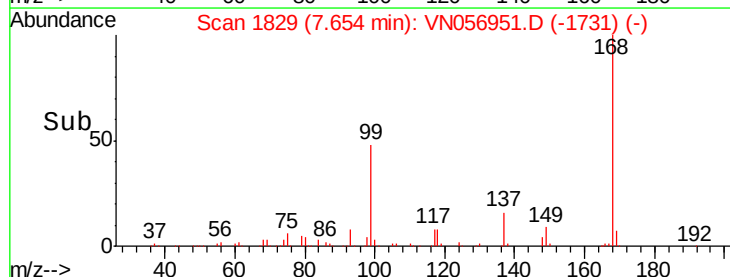
6000

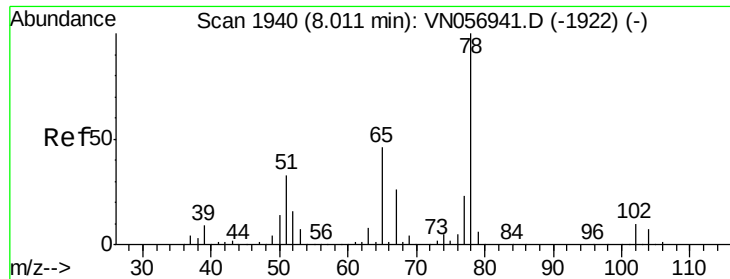
4000

2000

0

Time-->

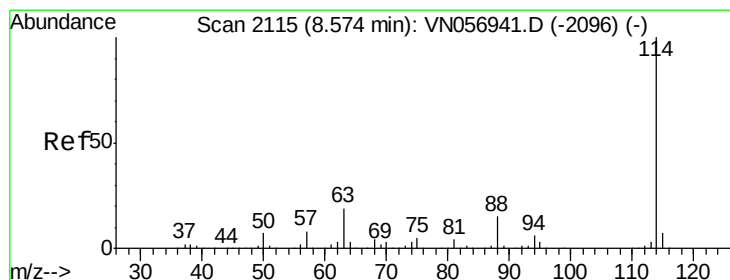
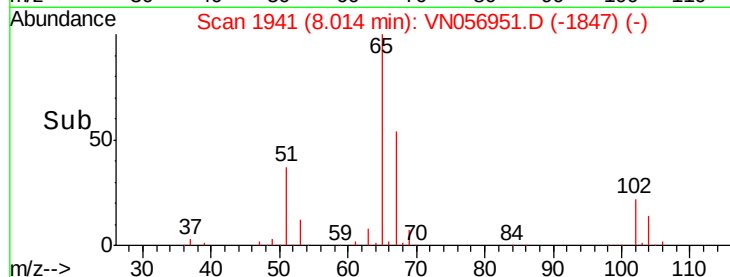
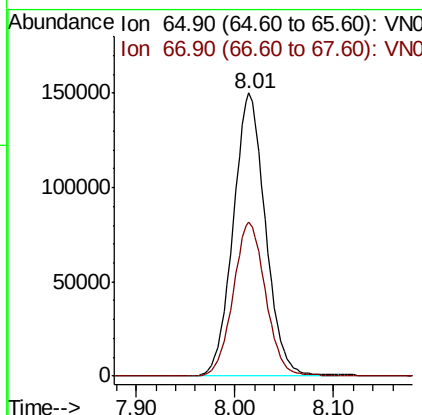
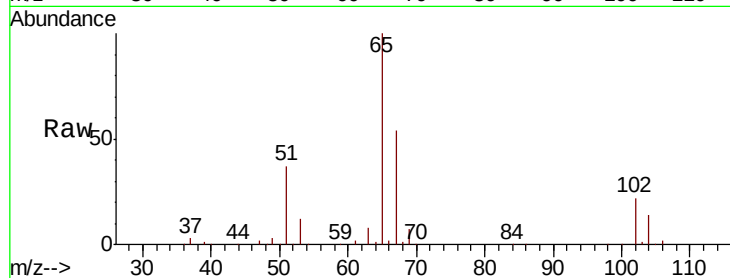




#33
 1,2-Dichloroethane-d4
 Concen: 48.255 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN056951.D
 Acq: 26 Jul 2019 19:13

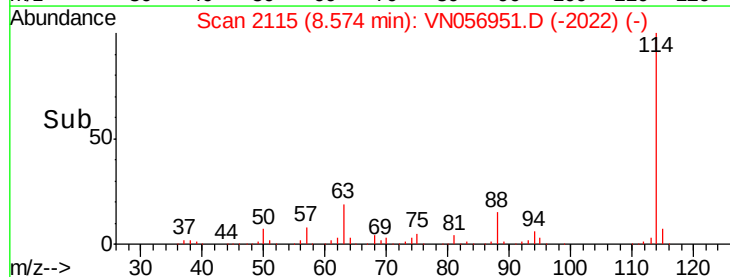
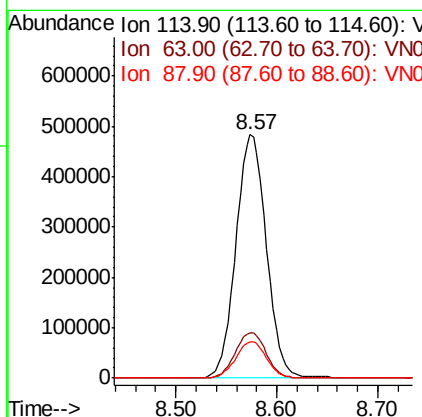
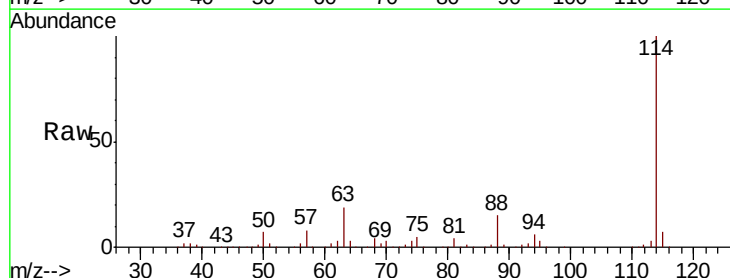
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

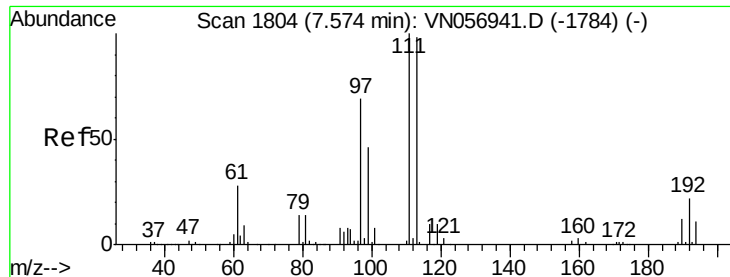
Tot Ion: 65 Resp: 340657
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN056951.D
 Acq: 26 Jul 2019 19:13

Tgt Ion: 114 Resp: 1012345
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.0
 88 15.0 0.0 30.0

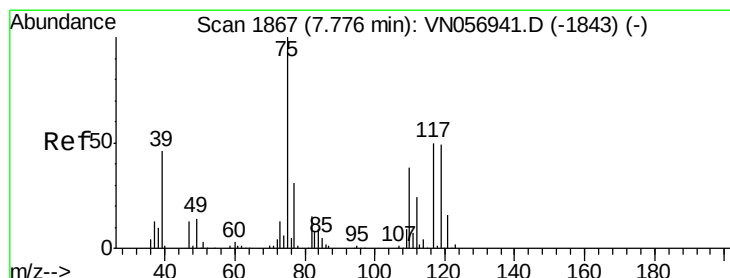
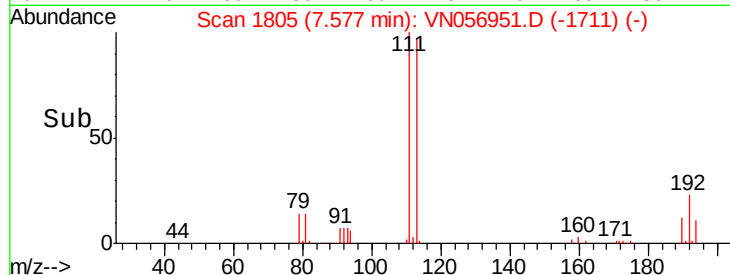
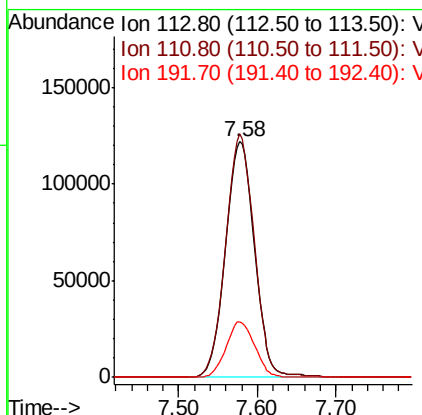
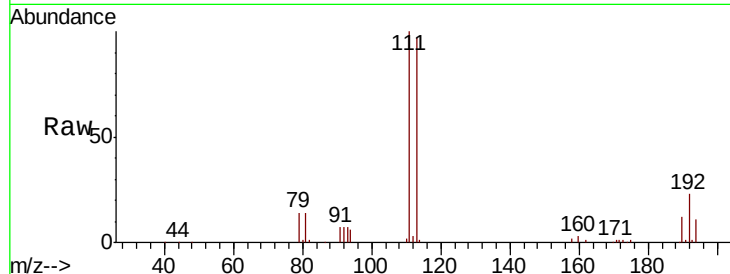




#35
 Dibromofluoromethane
 Concen: 48.088 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN056951.D
 Acq: 26 Jul 2019 19:13

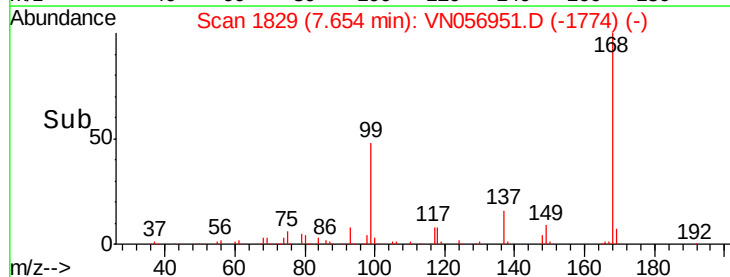
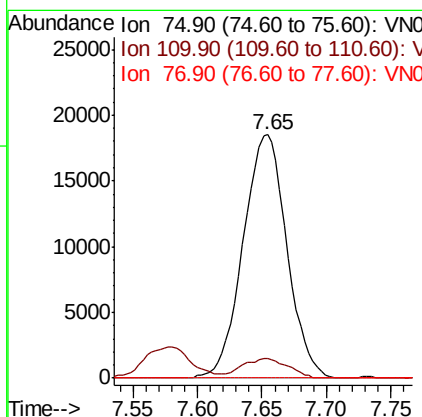
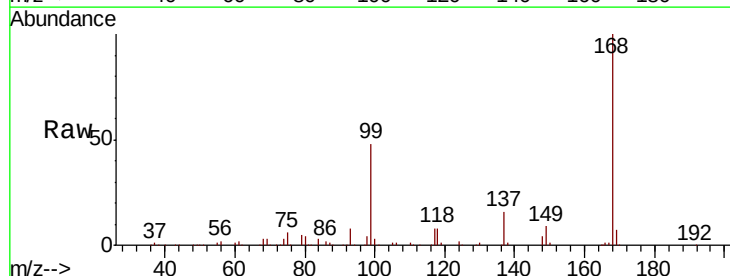
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

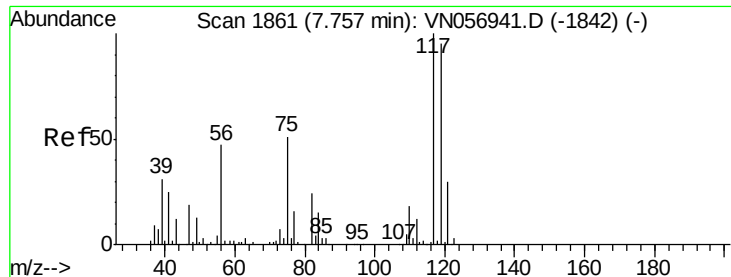
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.0	123.0
192	23.3	18.4	27.6



#36
 1,1-Dichloropropene
 Concen: 4.901 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN056951.D
 Acq: 26 Jul 2019 19:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.6	55.8#
77	0.0	25.2	37.8#





#38

Carbon Tetrachloride

Concen: 6.915 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN056951.D

Acq: 26 Jul 2019 19:13

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

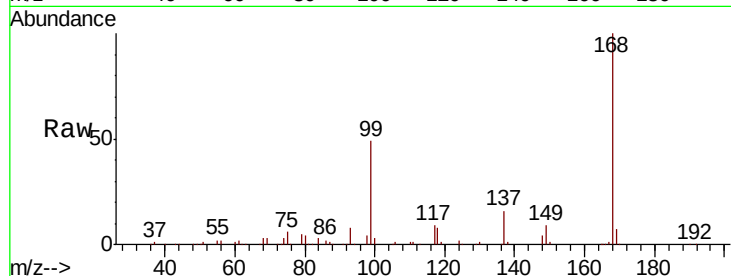
Tot Ion:117 Resp: 58269

Ion Ratio Lower Upper

117 100

119 6.1 75.3 112.9#

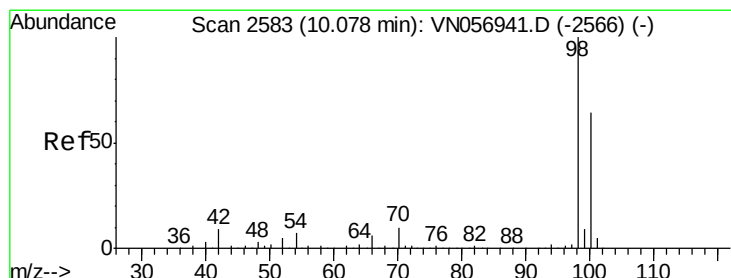
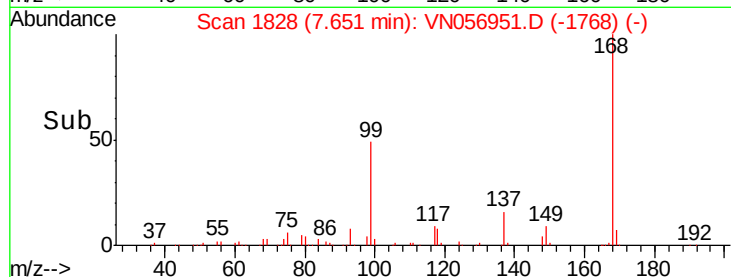
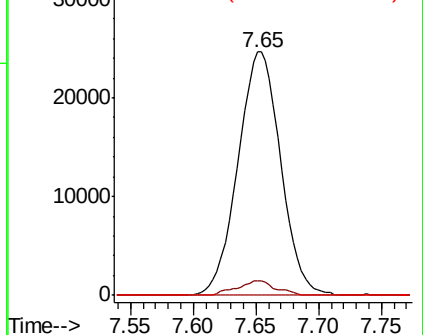
121 0.0 24.2 36.4#



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: 47.898 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN056951.D

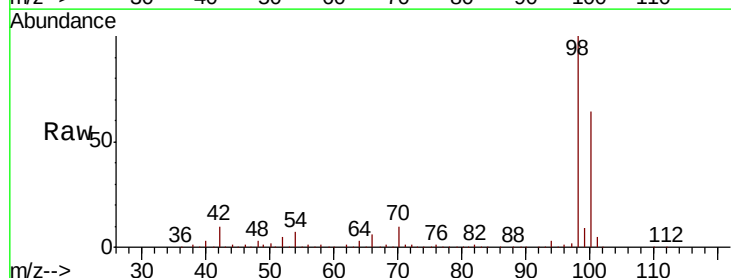
Acq: 26 Jul 2019 19:13

Tgt Ion: 98 Resp: 1183759

Ion Ratio Lower Upper

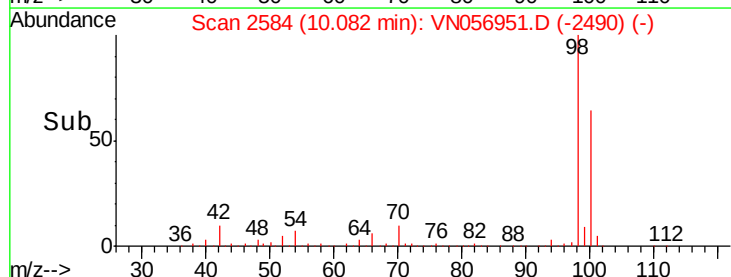
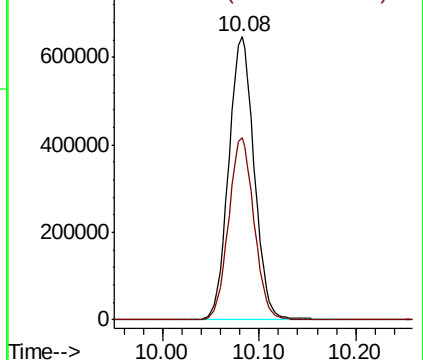
98 100

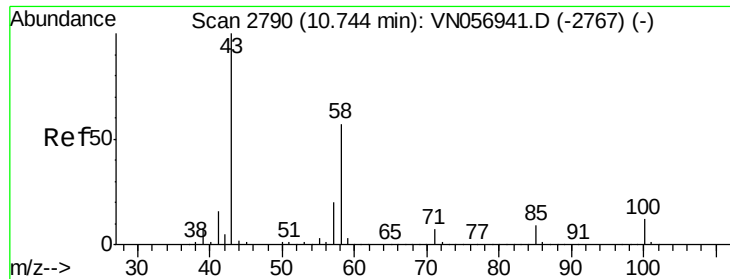
100 64.3 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

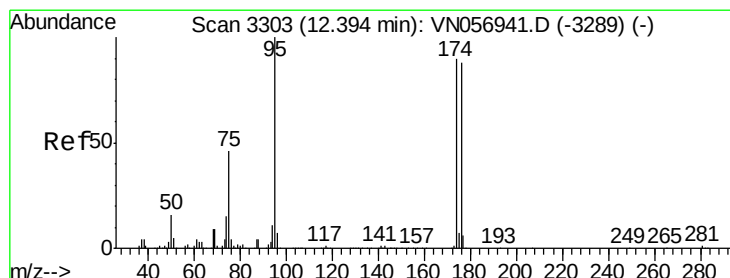
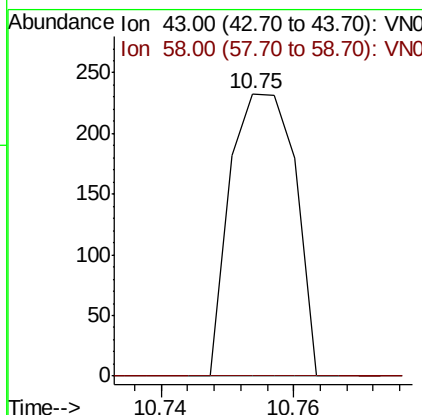
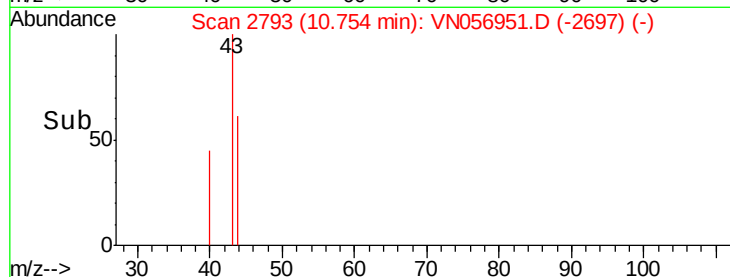
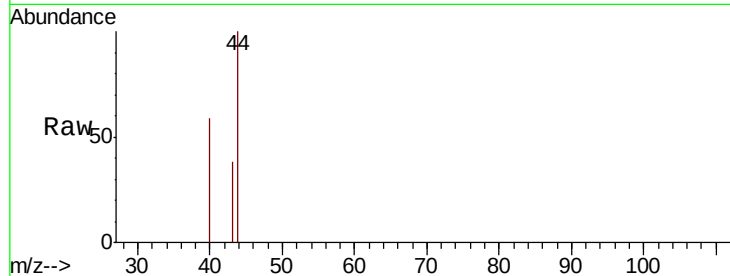




#59
2-Hexanone
Concen: 2.529 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN056951.D
Acq: 26 Jul 2019 19:13

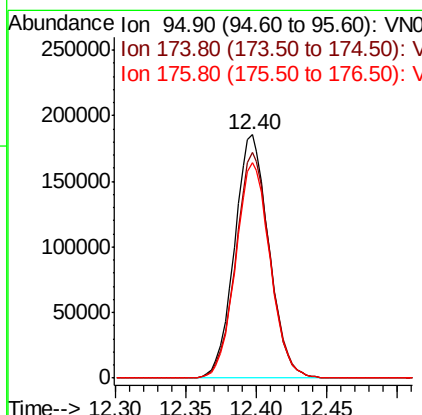
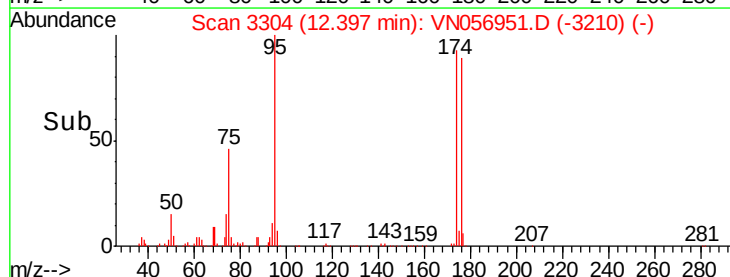
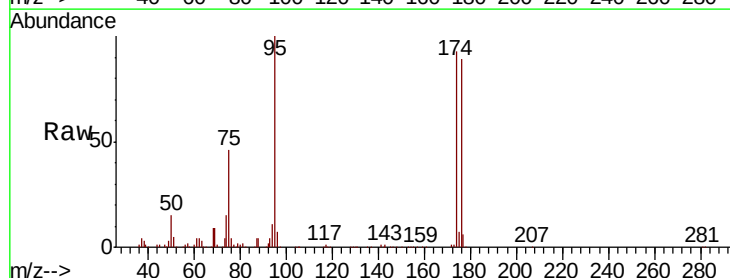
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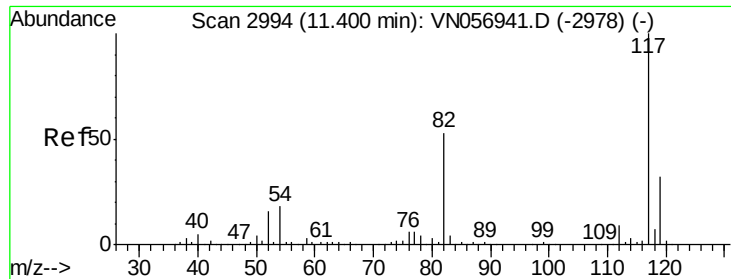
Tot Ion: 43 Resp: 159
Ion Ratio Lower Upper
43 100
58 0.0 28.5 85.5#



#62
4-Bromofluorobenzene
Concen: 39.393 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN056951.D
Acq: 26 Jul 2019 19:13

Tgt Ion: 95 Resp: 316934
Ion Ratio Lower Upper
95 100
174 92.7 0.0 182.2
176 88.8 0.0 179.4

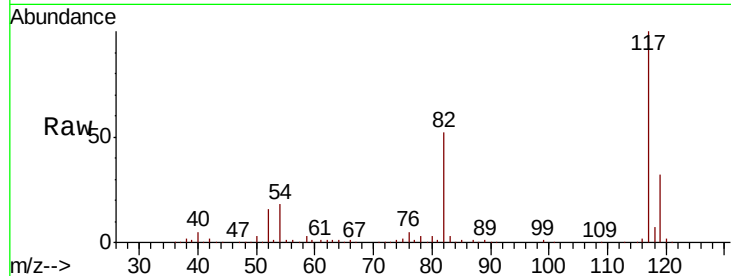




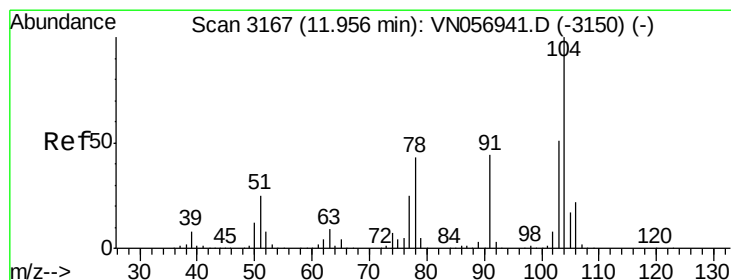
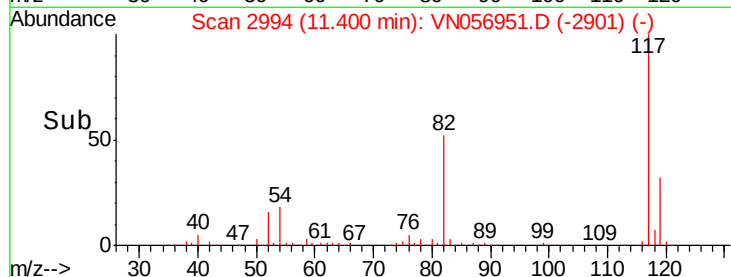
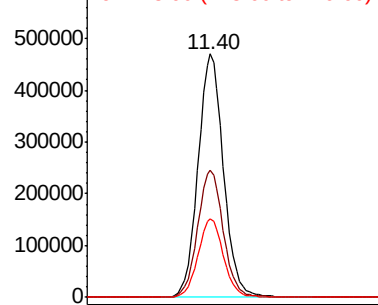
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN056951.D
Acq: 26 Jul 2019 19:13

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:117 Resp: 827861
Ion Ratio Lower Upper
117 100
82 52.3 42.2 63.4
119 32.4 25.8 38.6

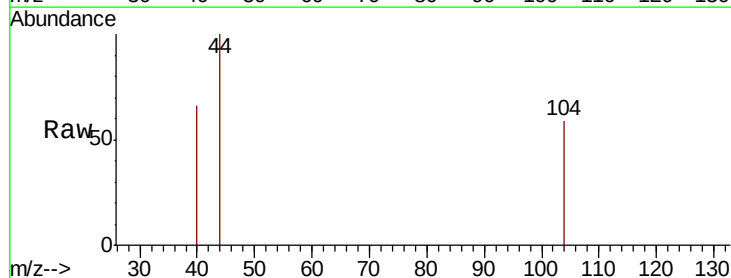


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

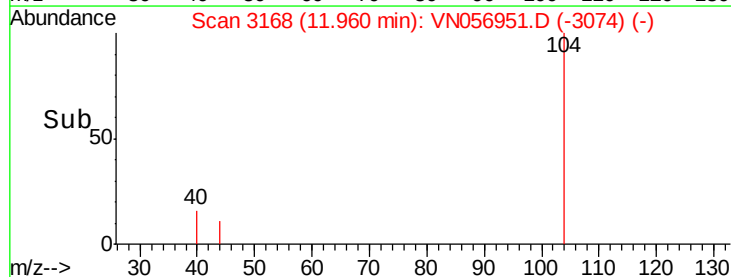
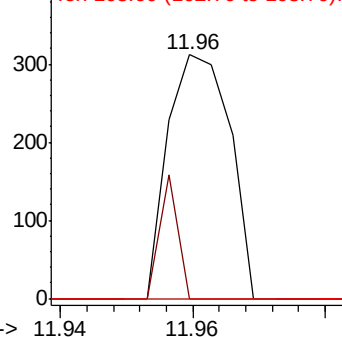


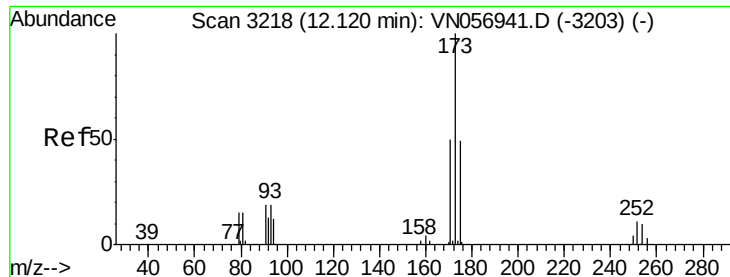
#70
Styrene
Concen: 1.877 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN056951.D
Acq: 26 Jul 2019 19:13

Tgt Ion:104 Resp: 202
Ion Ratio Lower Upper
104 100
78 14.9 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: 0.519 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN056951.D

Acq: 26 Jul 2019 19:13

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

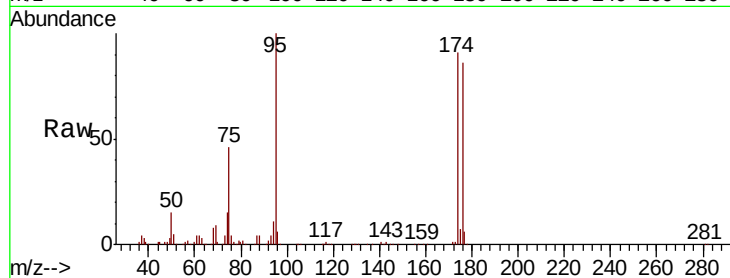
Tot Ion:173 Resp: 2302

Ion Ratio Lower Upper

173 100

175 788.4 24.1 72.4#

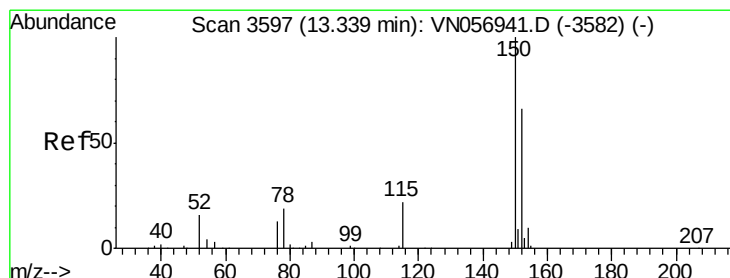
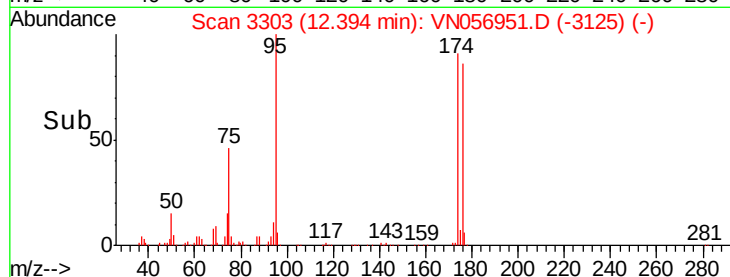
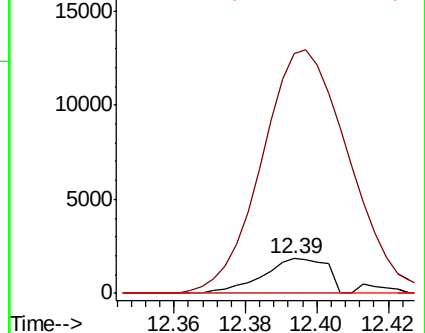
254 0.0 0.1 0.1#



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: VN056951.D

Acq: 26 Jul 2019 19:13

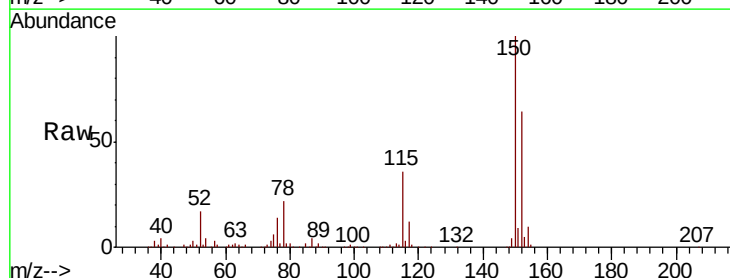
Tgt Ion:152 Resp: 240438

Ion Ratio Lower Upper

152 100

115 55.6 28.2 84.6

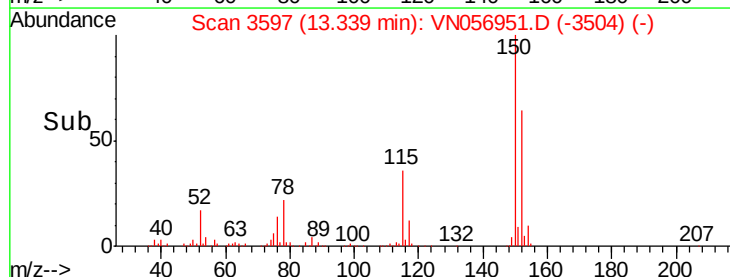
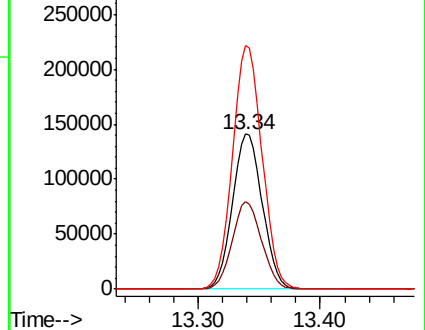
150 155.3 0.0 349.4

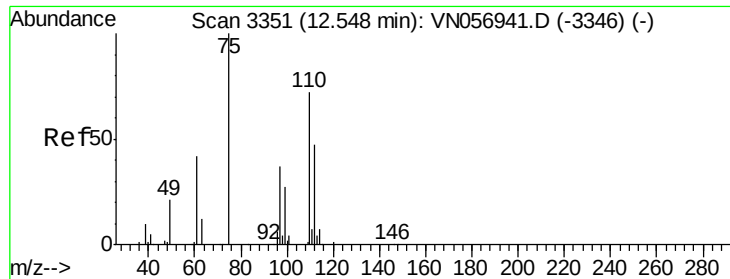


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 29.785 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN056951.D

Acq: 26 Jul 2019 19:13

Instrument :

MSVOA_N

ClientSampleId :

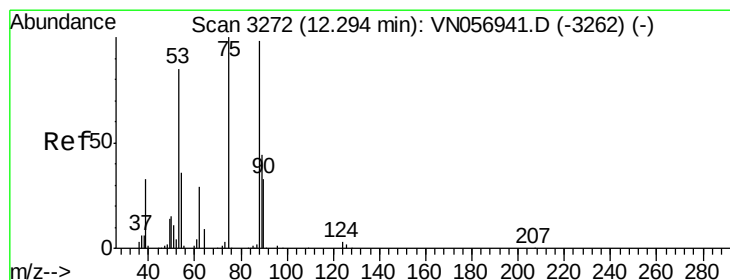
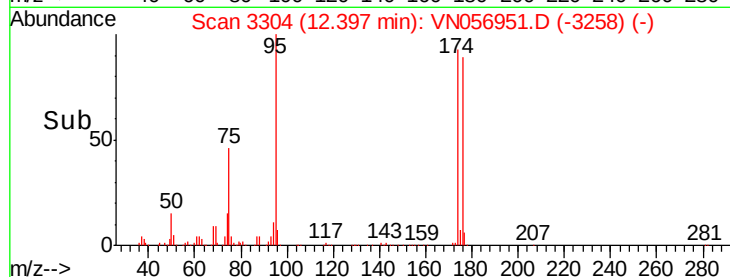
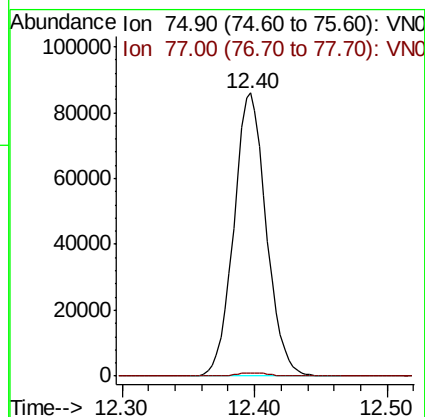
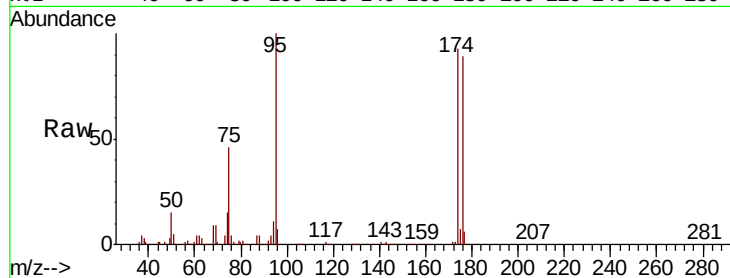
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 75 Resp: 145437

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 95.698 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN056951.D

Acq: 26 Jul 2019 19:13

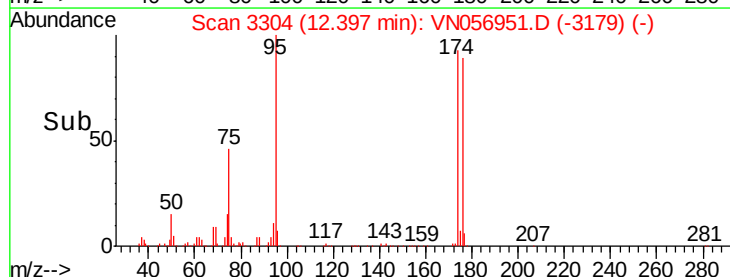
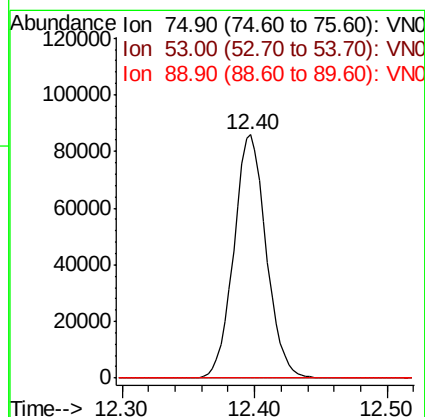
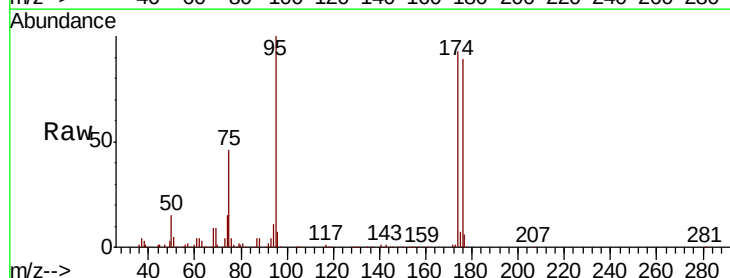
Tgt Ion: 75 Resp: 145437

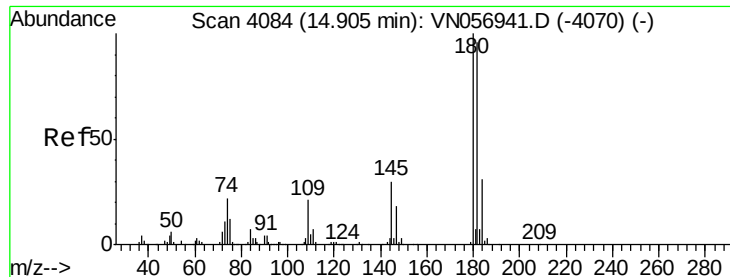
Ion Ratio Lower Upper

75 100

53 0.0 69.3 103.9#

89 0.0 35.8 53.6#

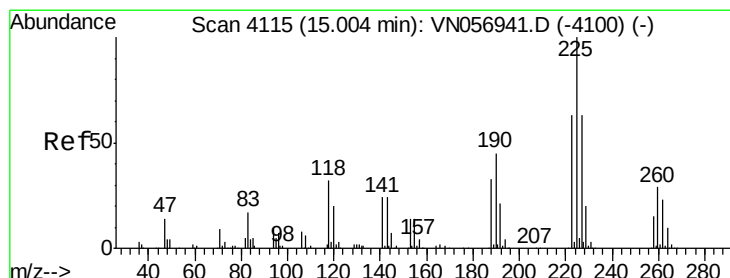
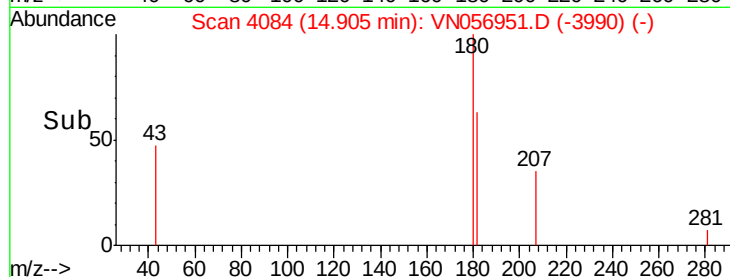
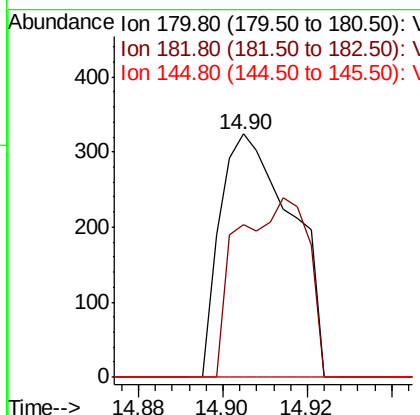
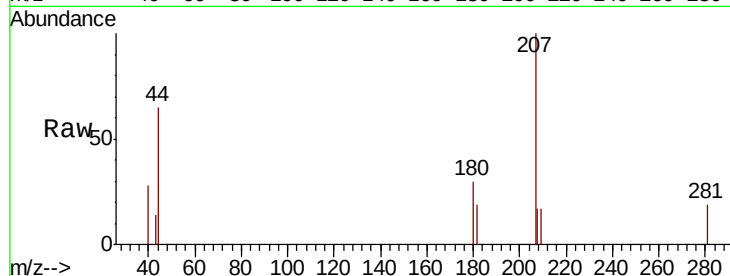




#93
 1,2,4-Trichlorobenzene
 Concen: 2.799 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN056951.D
 Acq: 26 Jul 2019 19:13

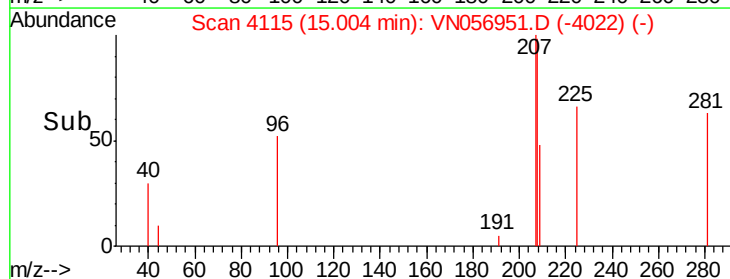
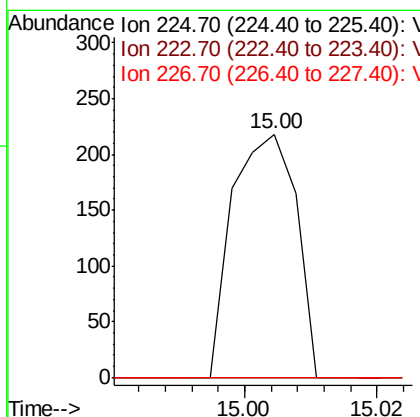
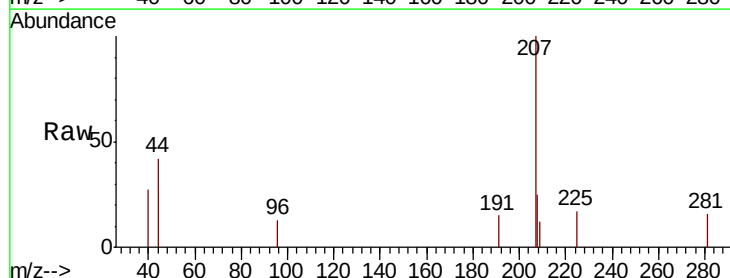
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

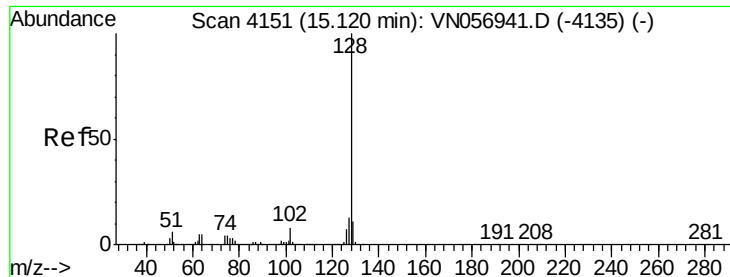
Tot Ion:180 Resp: 386
 Ion Ratio Lower Upper
 180 100
 182 71.8 47.6 142.8
 145 0.0 14.2 42.8#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN056951.D
 Acq: 26 Jul 2019 19:13

Tgt Ion:225 Resp: 146
 Ion Ratio Lower Upper
 225 100
 223 0.0 30.8 92.4#
 227 0.0 31.1 93.5#





#95

Naphthalene

Concen: 3.654 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN056951.D

Acq: 26 Jul 2019 19:13

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

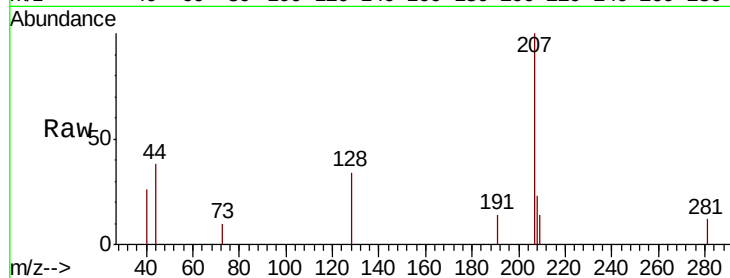
Tot Ion:128 Resp: 731

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

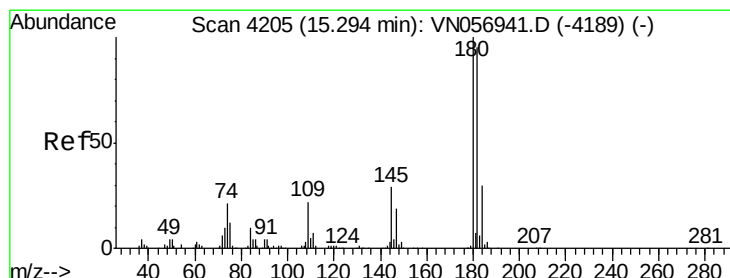
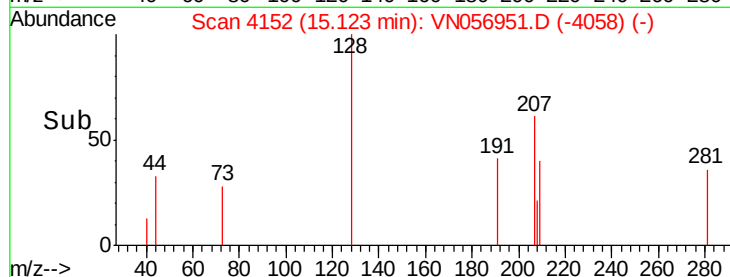
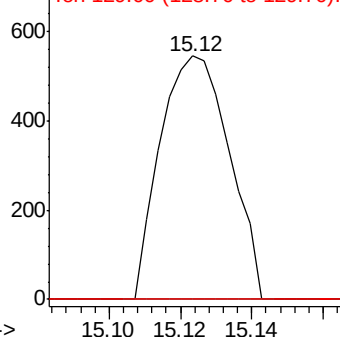
129 0.0 8.7 13.1#



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: 2.130 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN056951.D

Acq: 26 Jul 2019 19:13

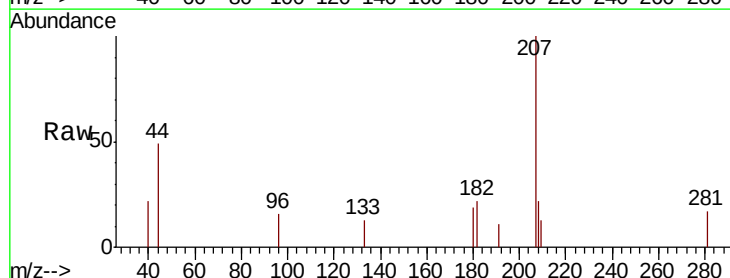
Tgt Ion:180 Resp: 356

Ion Ratio Lower Upper

180 100

182 103.7 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

