

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051078.D
 Acq On : 10 Sep 2018 15:21
 Operator : MD\SY
 Sample : J4832-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGEBLANK-SAMPLEMANAG

Quant Time: Sep 11 03:18:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	684083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1035369	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	879277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	272338	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	400564	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
35) Dibromofluoromethane	7.59	113	397372	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
50) Toluene-d8	10.09	98	1443772	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
62) 4-Bromofluorobenzene	12.40	95	382629	39.18	ug/l	0.00
Spiked Amount			Recovery	=	78.36%	

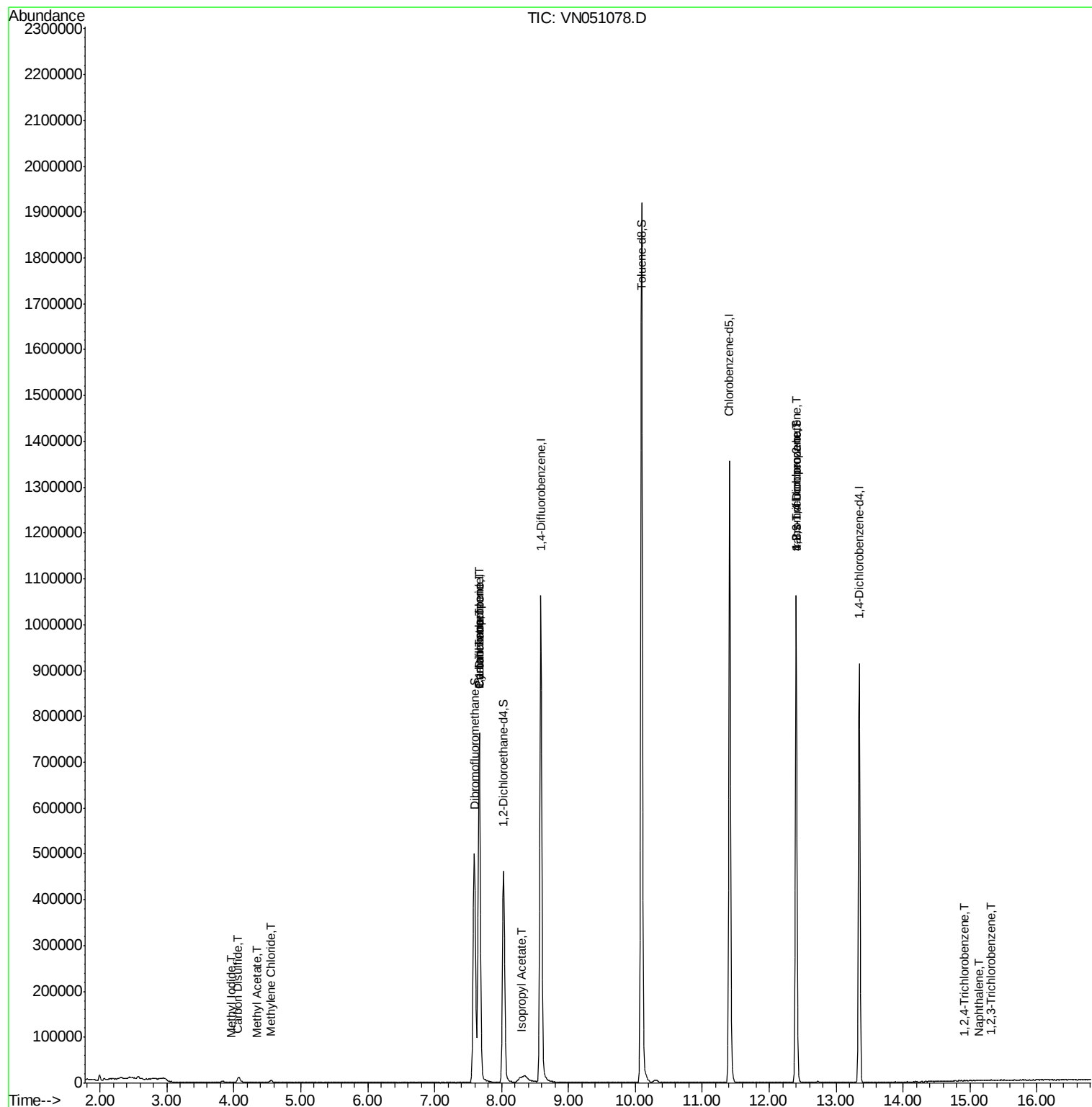
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3101	Below Cal		90
5) Bromomethane	2.57	94	2926	Below Cal		89
10) Methyl Iodide	3.95	142	1079	5.76	ug/l #	60
16) Acetone	3.83	43	6621	Below Cal	#	87
17) Carbon Disulfide	4.05	76	2923	0.25	ug/l #	76
18) Methyl Acetate	4.34	43	1603	0.26	ug/l #	57
20) Methylene Chloride	4.56	84	3574	0.43	ug/l	95
31) Cyclohexane	7.66	56	11062	0.66	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	43369	3.82	ug/l #	48
38) Carbon Tetrachloride	7.67	117	58577	5.24	ug/l #	16
43) Isopropyl Acetate	8.28	43	10603	0.91	ug/l #	50
76) 1,2,3-Trichloropropane	12.40	75	173168	40.74	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	173168	120.76	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	200	4.02	ug/l #	66
94) Hexachlorobutadiene	15.01	225	97	Below Cal	#	19
95) Naphthalene	15.14	128	619	5.39	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	309	3.01	ug/l #	20

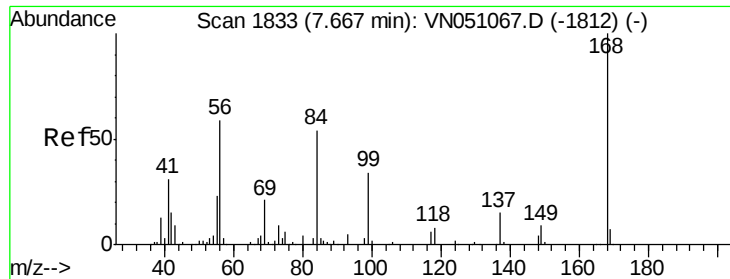
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051078.D

Acq: 10 Sep 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

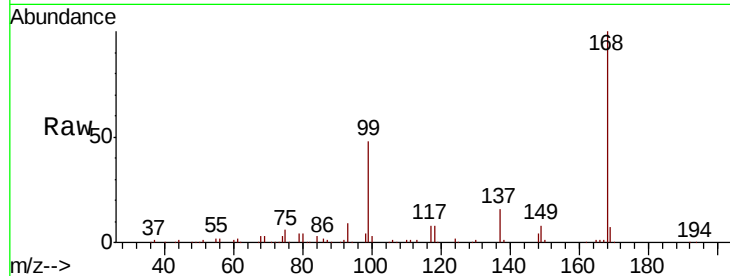
STORAGEBLANK-SAMPLEMANAG

Tot Ion:168 Resp: 684083

Ion Ratio Lower Upper

168 100

99 48.1 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

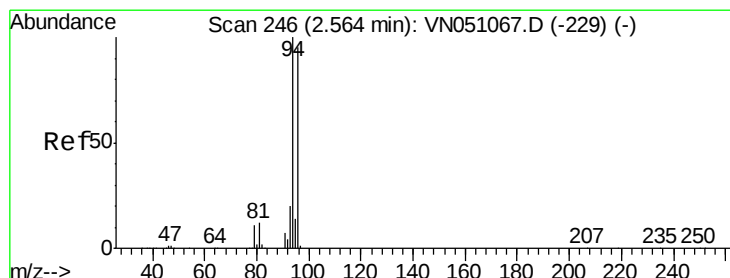
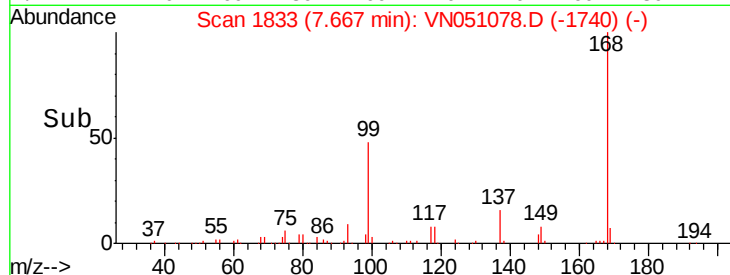
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051078.D

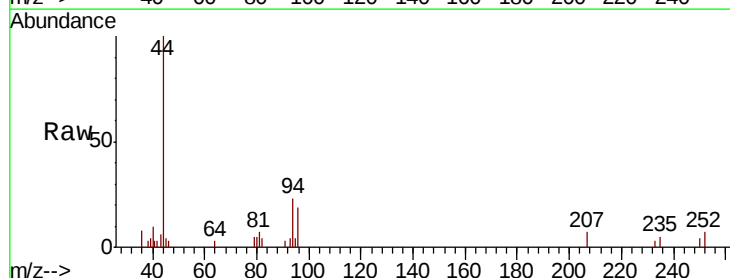
Acq: 10 Sep 2018 15:21

Tgt Ion: 94 Resp: 2926

Ion Ratio Lower Upper

94 100

96 84.3 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

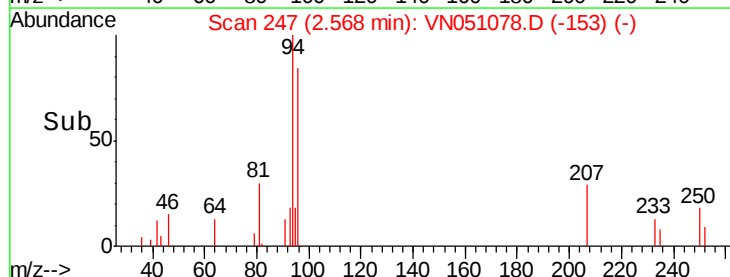
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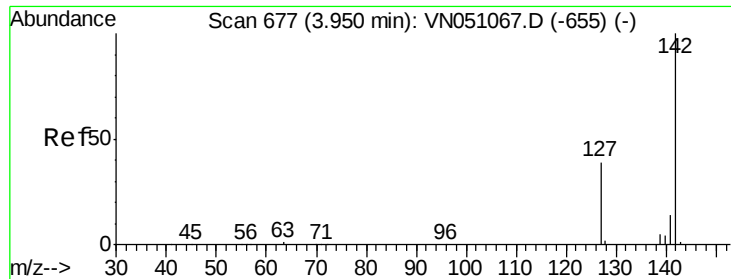
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500

0

Time-->

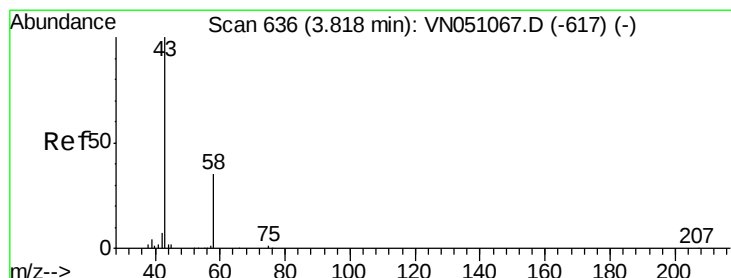
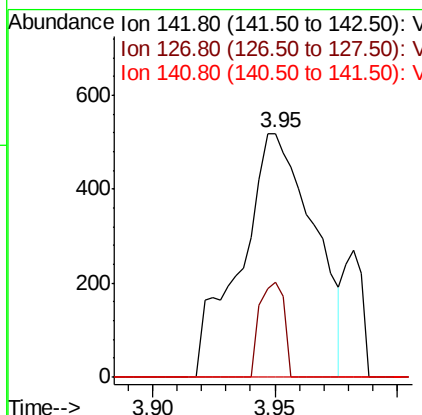
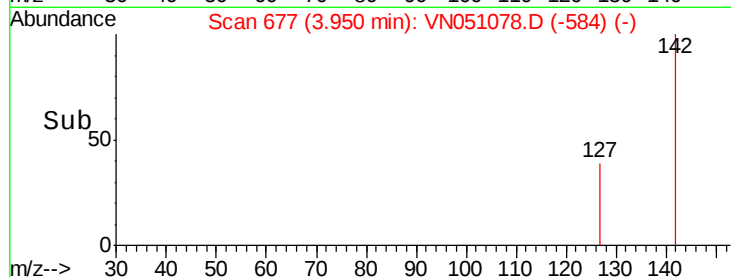
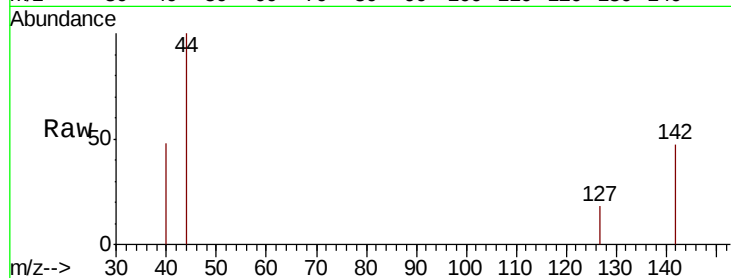




#10
Methvl Iodide
Concen: 5.76 ua/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN051078.D
Acq: 10 Sep 2018 15:21

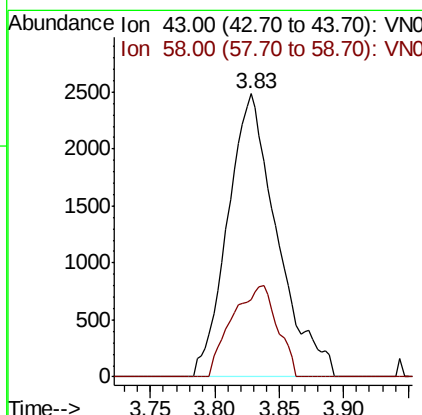
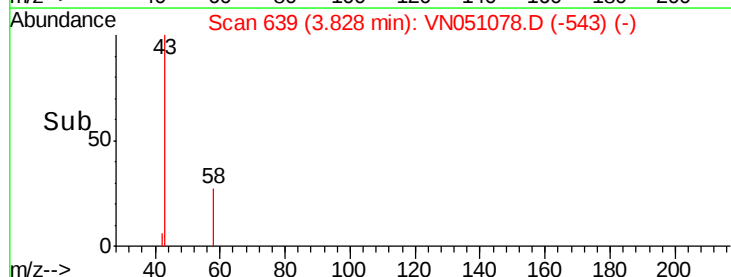
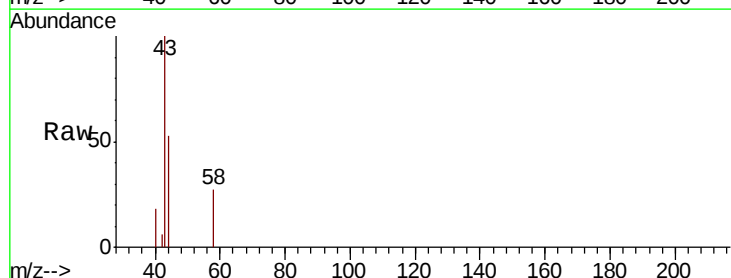
Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-SAMPLEMANAG

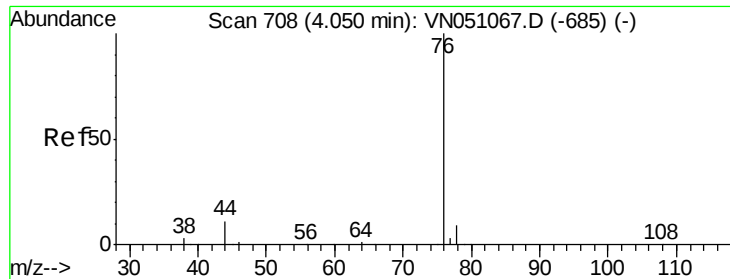
Tot Ion:142 Resp: 1079
Ion Ratio Lower Upper
142 100
127 12.9 31.0 46.4#
141 0.0 11.3 16.9#



#16
Acetone
Concen: Below Cal
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN051078.D
Acq: 10 Sep 2018 15:21

Tgt Ion: 43 Resp: 6621
Ion Ratio Lower Upper
43 100
58 27.4 27.8 41.6#





#17

Carbon Disulfide

Concen: 0.25 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN051078.D

Acq: 10 Sep 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

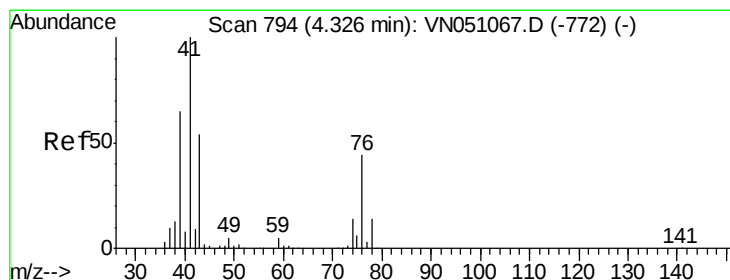
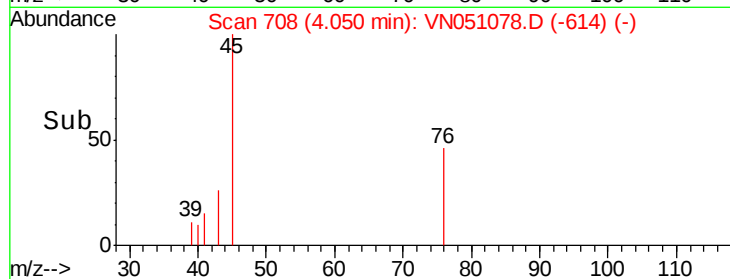
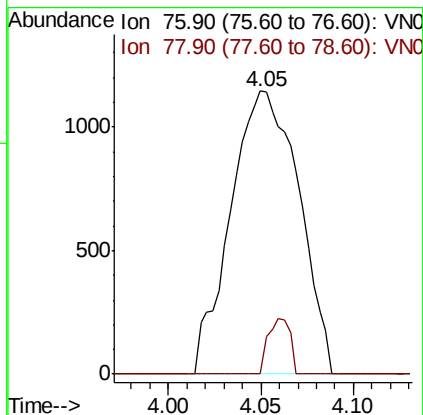
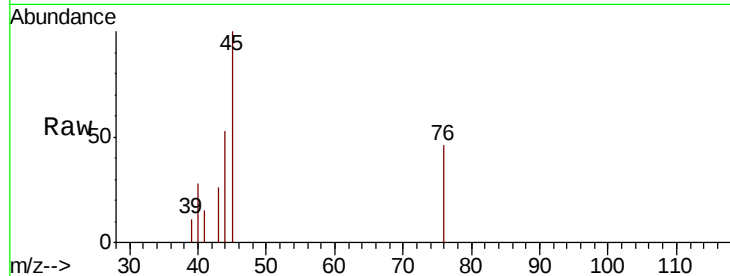
STORAGEBLANK-SAMPLEMANAG

Tot Ion: 76 Resp: 2923

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#18

Methyl Acetate

Concen: 0.26 ug/l

RT: 4.34 min Scan# 799

Delta R.T. 0.02 min

Lab File: VN051078.D

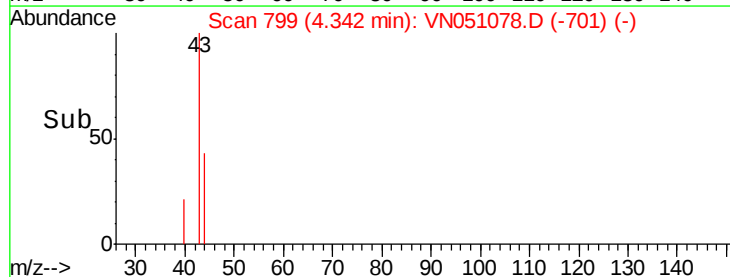
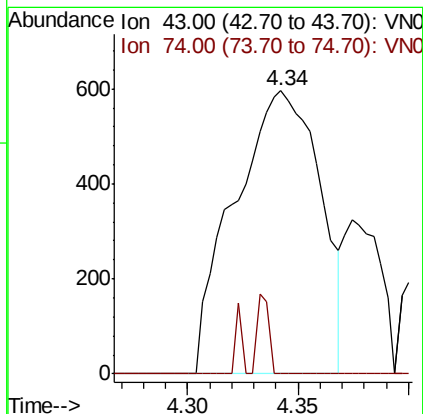
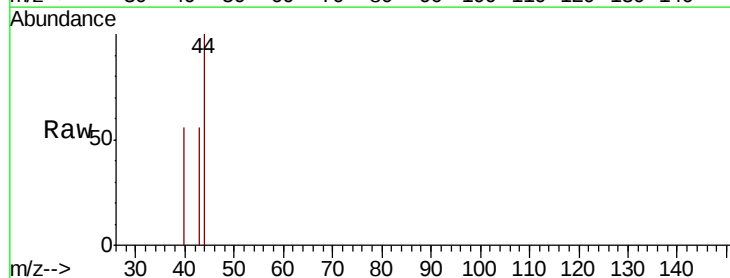
Acq: 10 Sep 2018 15:21

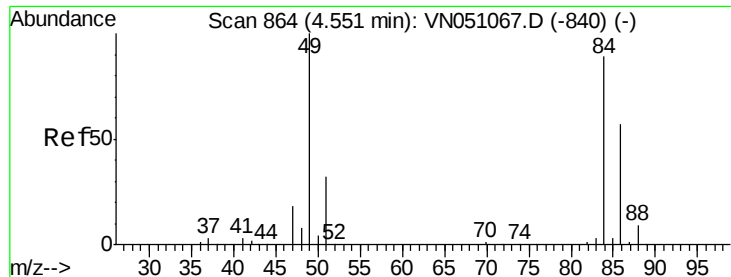
Tgt Ion: 43 Resp: 1603

Ion Ratio Lower Upper

43 100

74 3.9 20.7 31.1#

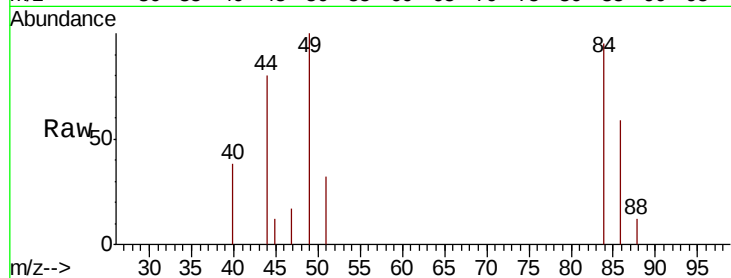




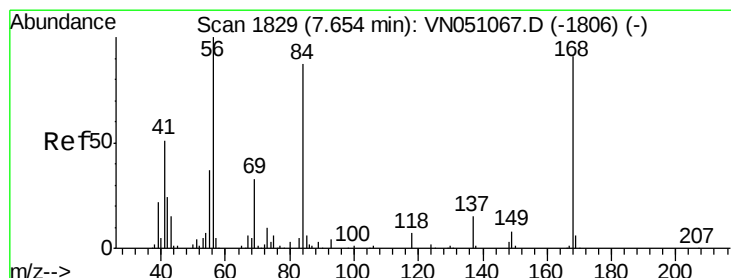
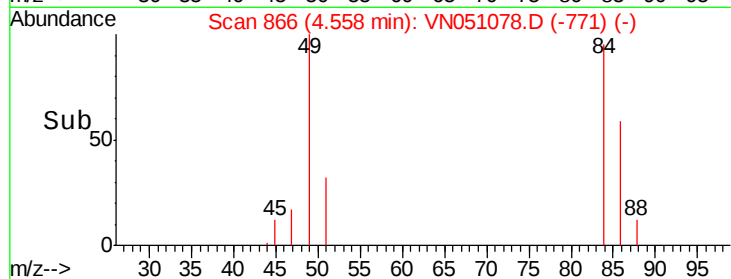
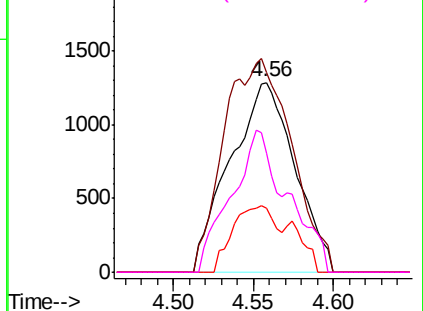
#20
Methvlene Chloride
Concen: 0.43 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN051078.D
Acq: 10 Sep 2018 15:21

Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-SAMPLEMANAG

Tot Ion:	84	Resp:	3574
Ion	Ratio	Lower	Upper
84	100		
49	105.5	90.2	135.2
51	33.5	28.4	42.6
86	62.6	51.8	77.8

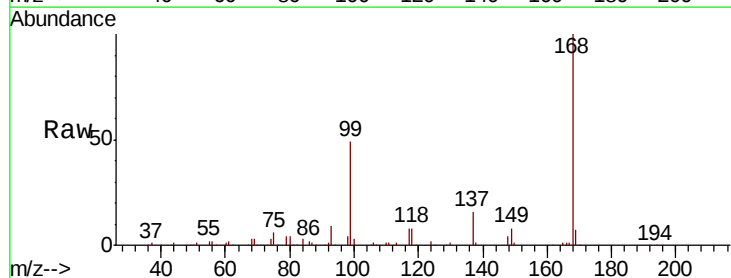


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

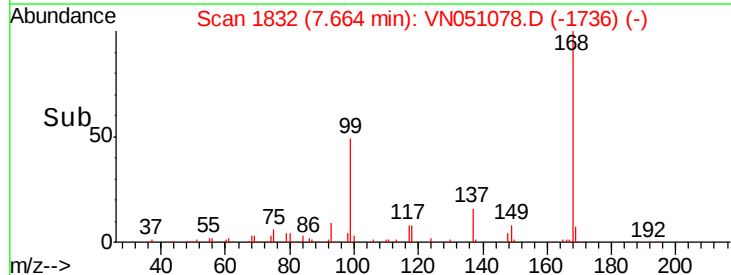
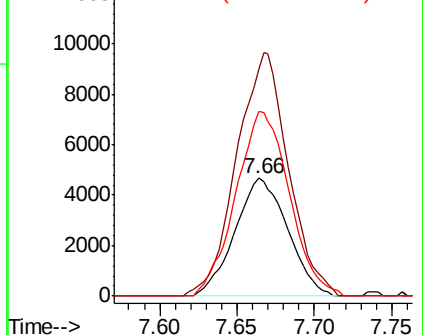


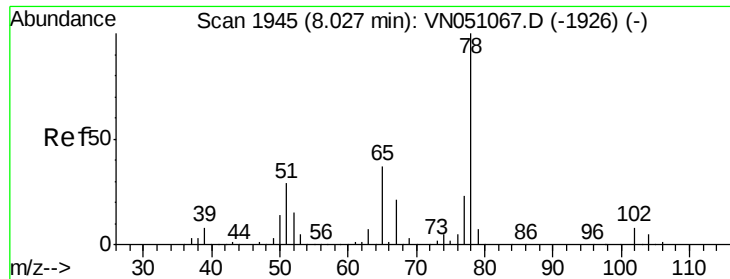
#31
Cyclohexane
Concen: 0.66 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN051078.D
Acq: 10 Sep 2018 15:21

Tgt Ion:	56	Resp:	11062
Ion	Ratio	Lower	Upper
56	100		
69	193.3	26.3	39.5#
84	157.1	69.4	104.0#



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

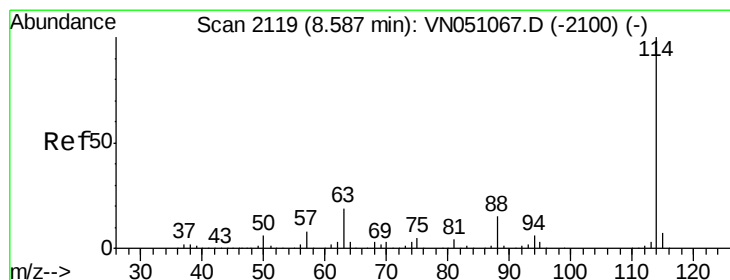
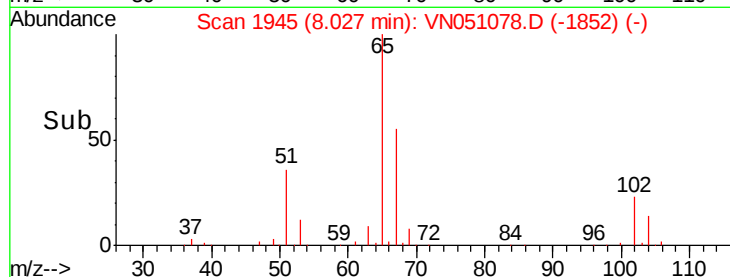
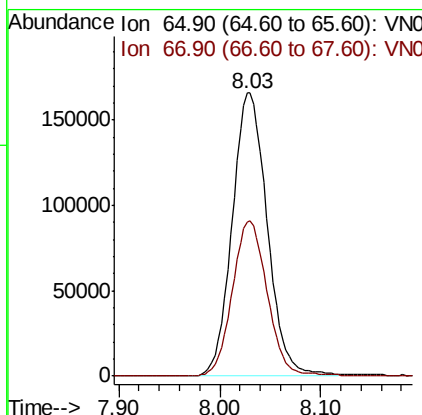
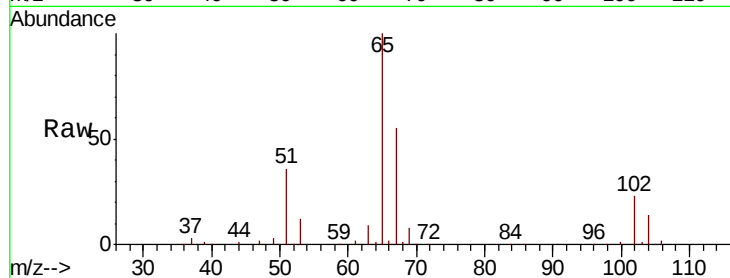




#33
 1,2-Dichloroethane-d4
 Concen: 52.62 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051078.D
 Acq: 10 Sep 2018 15:21

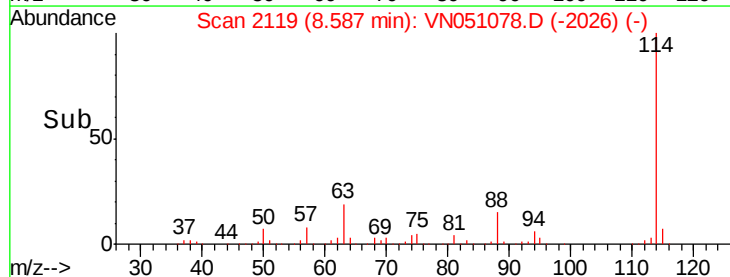
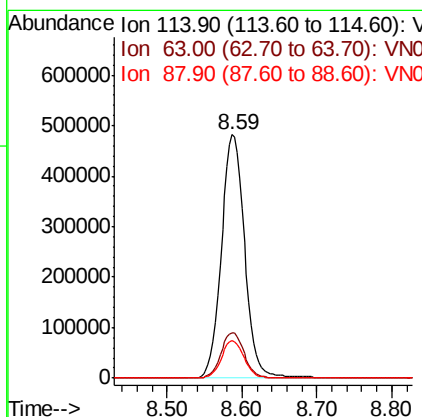
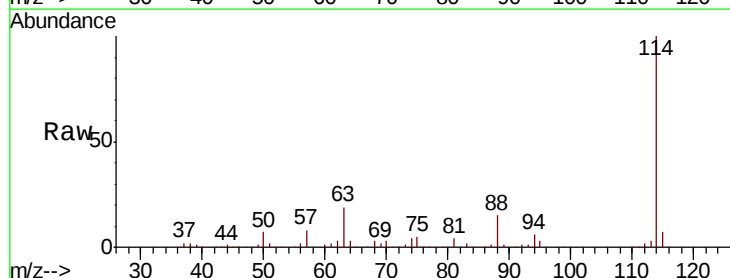
Instrument :
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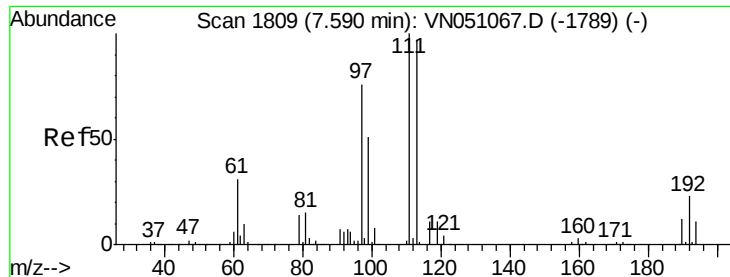
Tot Ion: 65 Resp: 400564
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051078.D
 Acq: 10 Sep 2018 15:21

Tgt Ion: 114 Resp: 1035369
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 37.8
 88 15.4 0.0 30.8

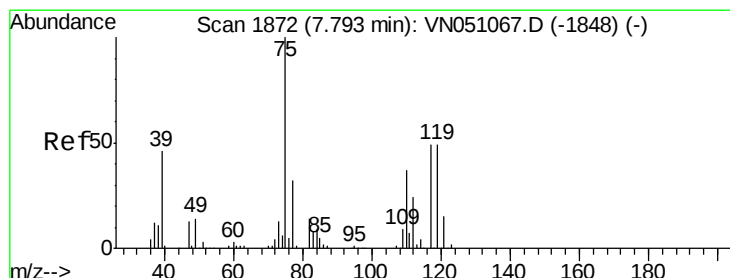
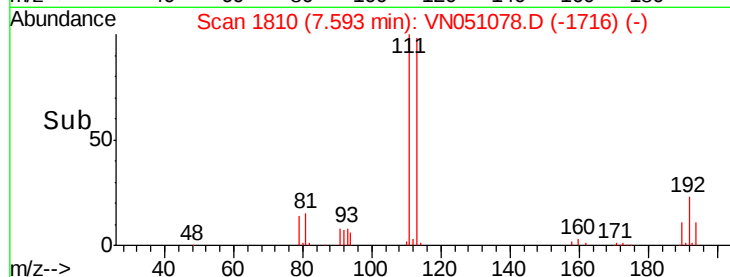
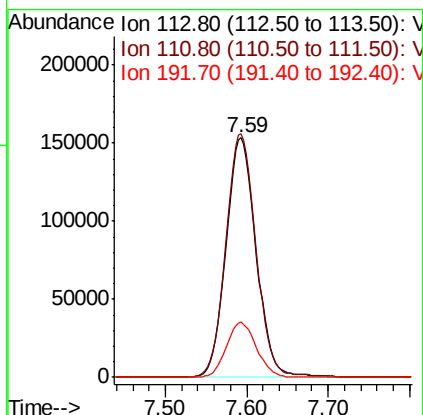
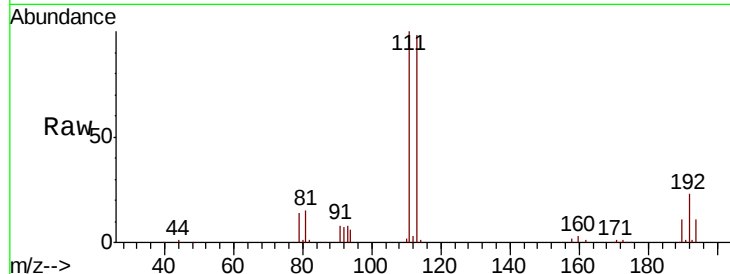




#35
 Dibromofluoromethane
 Concen: 51.08 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051078.D
 Acq: 10 Sep 2018 15:21

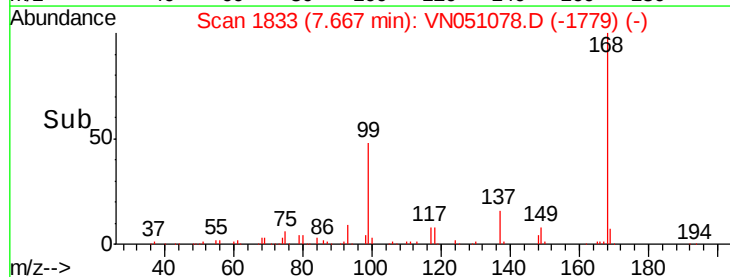
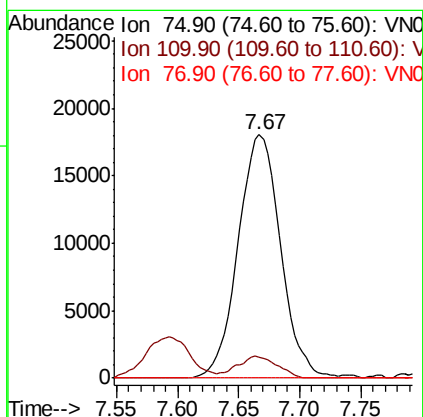
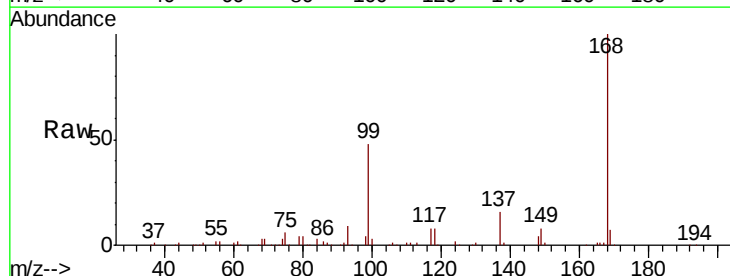
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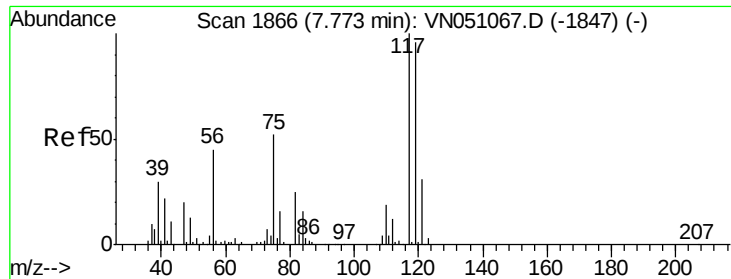
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.0	124.6
192	23.0	18.7	28.1



#36
 1,1-Dichloropropene
 Concen: 3.82 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051078.D
 Acq: 10 Sep 2018 15:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.6	55.8#
77	0.0	25.2	37.8#

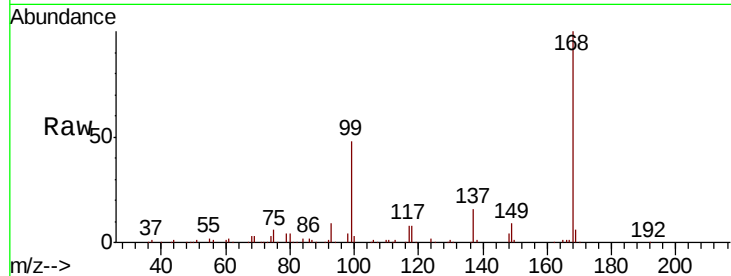




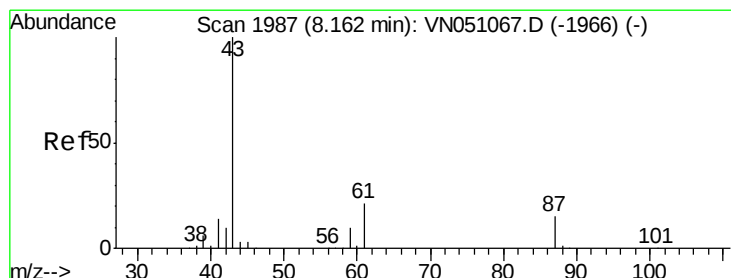
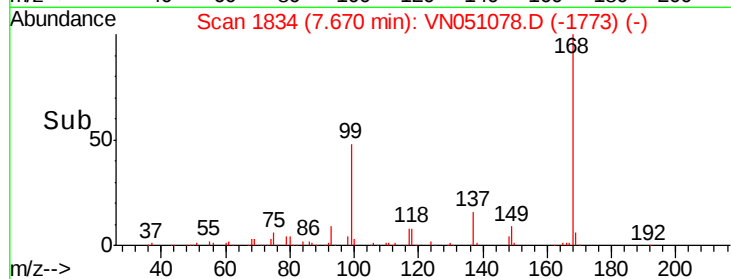
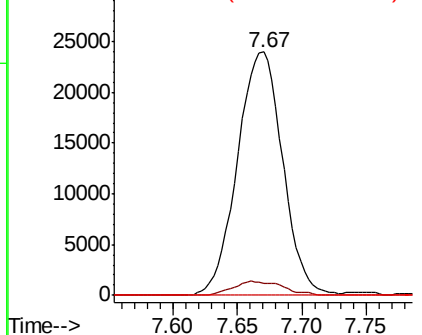
#38
Carbon Tetrachloride
Concen: 5.24 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. -0.10 min
Lab File: VN051078.D
Acq: 10 Sep 2018 15:21

Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-SAMPLEMANAG

Tot Ion:117 Resp: 58577
Ion Ratio Lower Upper
117 100
119 5.1 76.8 115.2#
121 0.0 24.6 36.8#

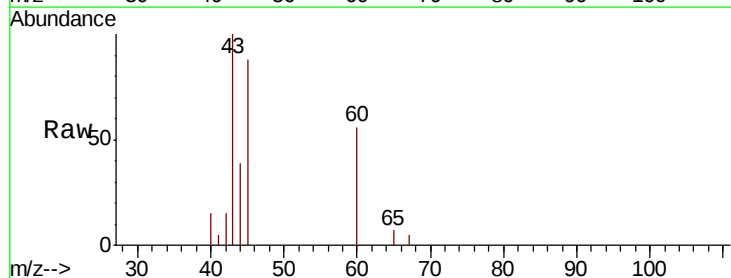


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

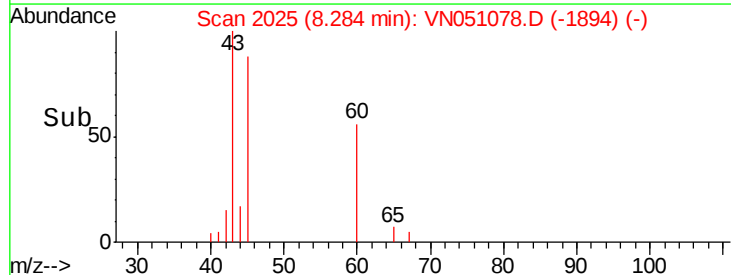
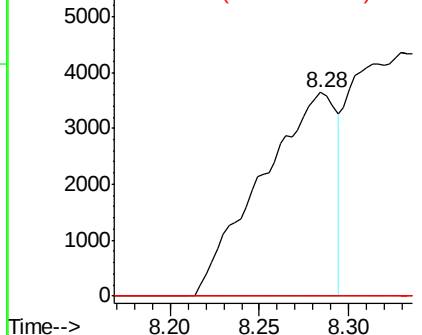


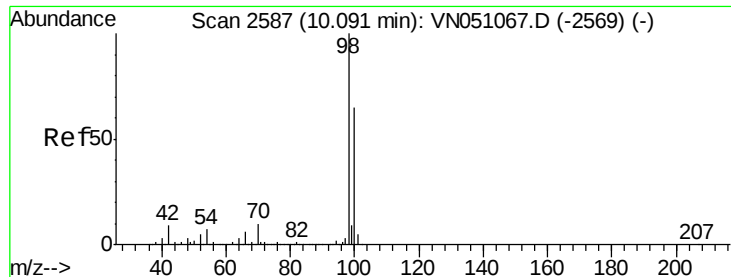
#43
Isopropyl Acetate
Concen: 0.91 ug/l
RT: 8.28 min Scan# 2025
Delta R.T. 0.12 min
Lab File: VN051078.D
Acq: 10 Sep 2018 15:21

Tgt Ion: 43 Resp: 10603
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.6#
87 0.0 11.8 17.8#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO

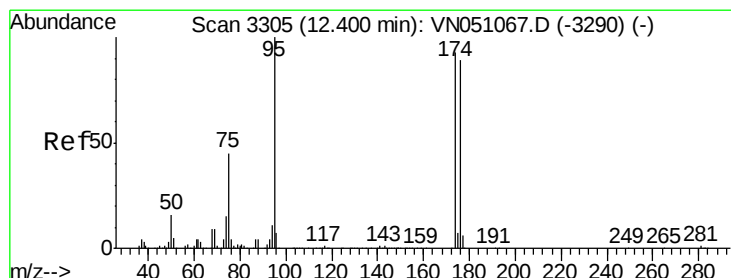
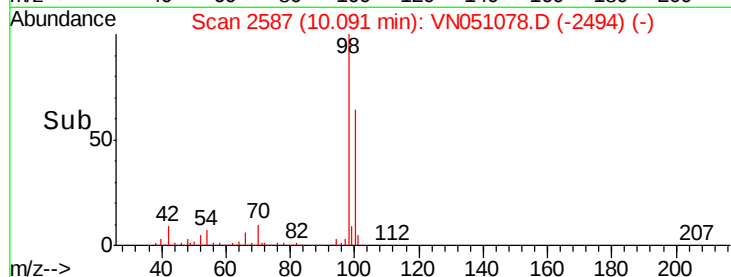
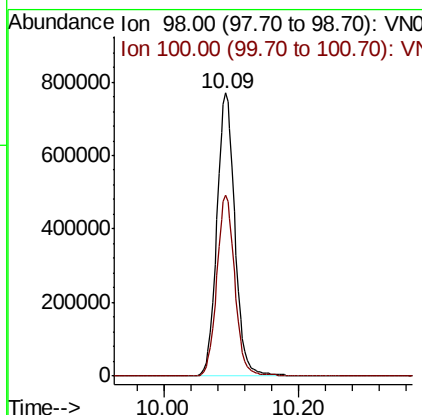
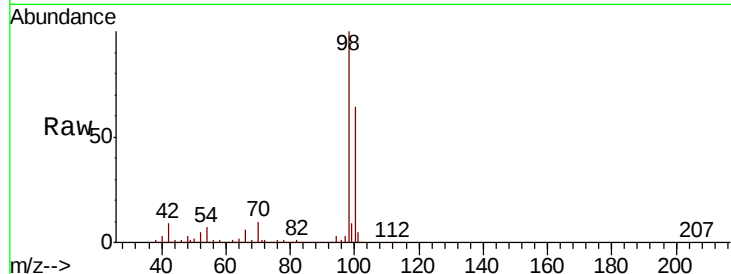




#50
Toluene-d8
Concen: 48.90 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051078.D
Acq: 10 Sep 2018 15:21

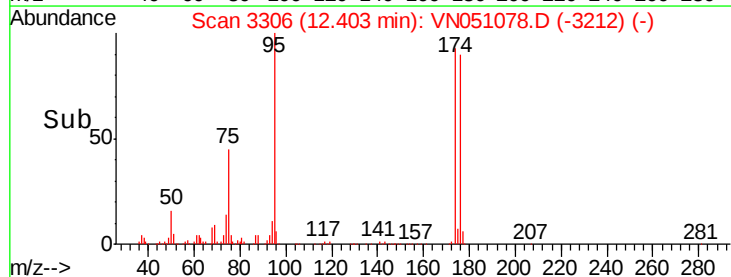
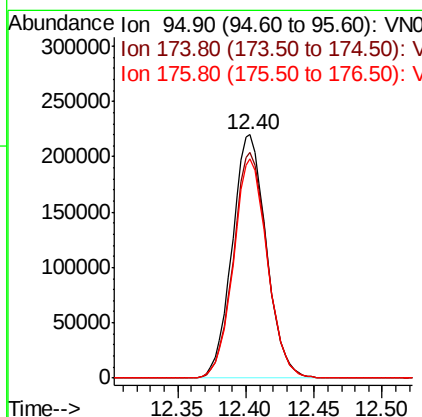
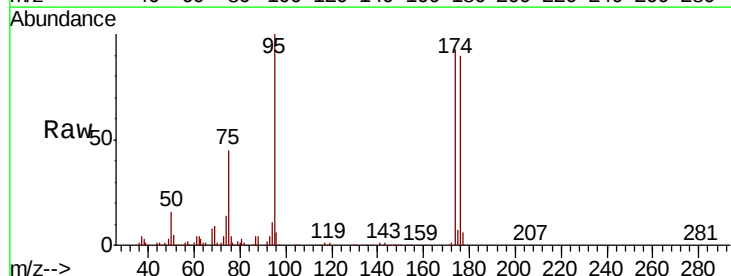
Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-SAMPLEMANAG

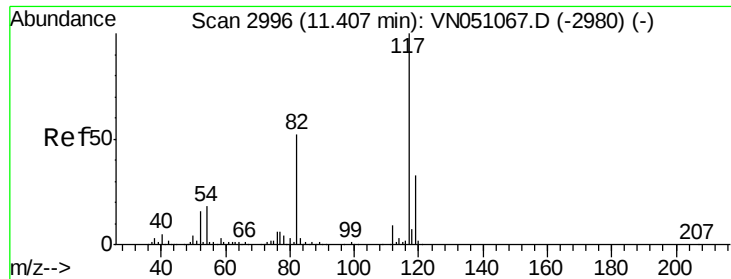
Tot Ion: 98 Resp: 1443772
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 39.18 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051078.D
Acq: 10 Sep 2018 15:21

Tgt Ion: 95 Resp: 382629
Ion Ratio Lower Upper
95 100
174 91.9 0.0 184.8
176 89.2 0.0 178.6

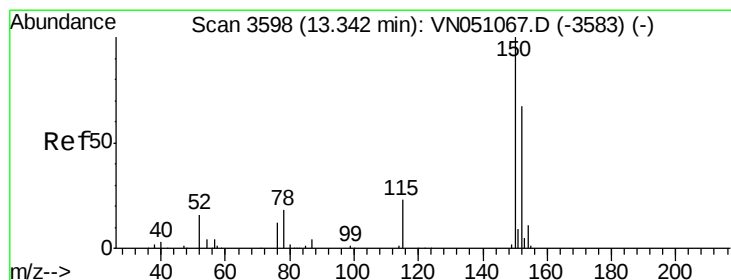
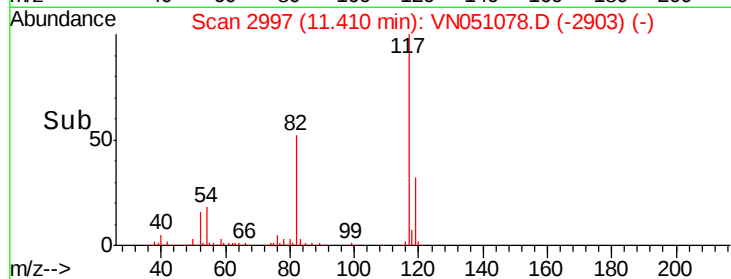
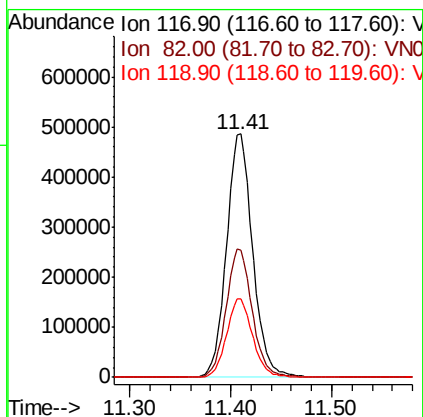
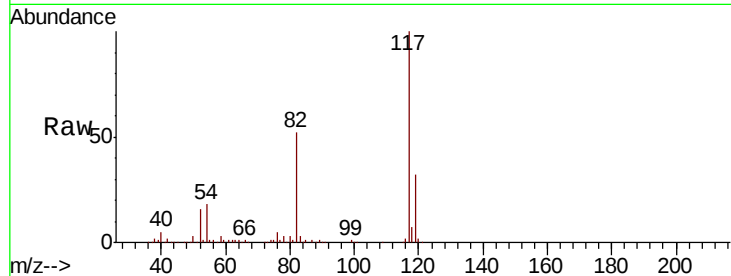




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051078.D
Acq: 10 Sep 2018 15:21

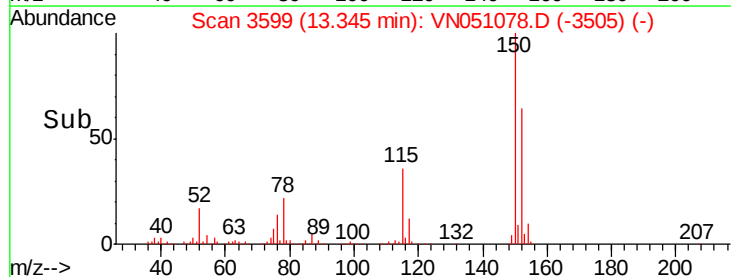
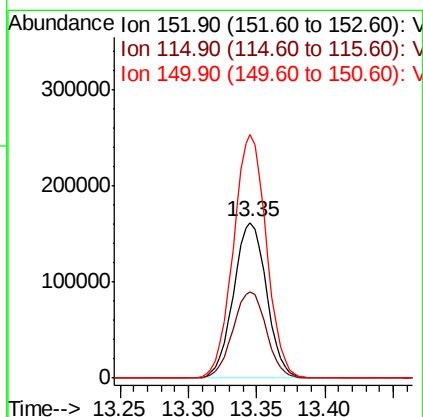
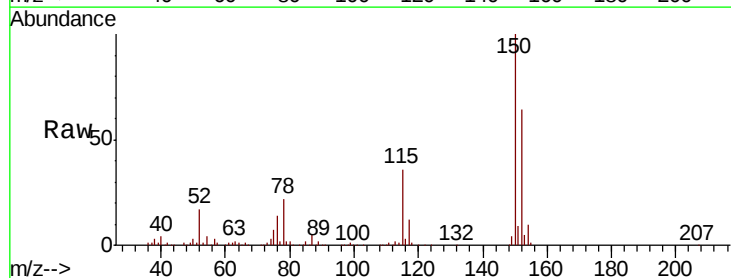
Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-SAMPLEMANAG

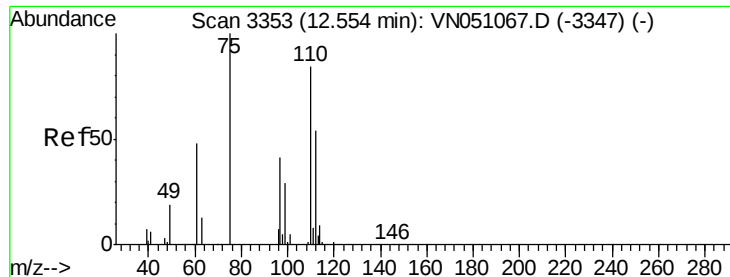
Tot Ion:117 Resp: 879277
Ion Ratio Lower Upper
117 100
82 52.4 41.8 62.6
119 32.4 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051078.D
Acq: 10 Sep 2018 15:21

Tgt Ion:152 Resp: 272338
Ion Ratio Lower Upper
152 100
115 56.4 28.2 84.7
150 156.5 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 40.74 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051078.D

Acq: 10 Sep 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

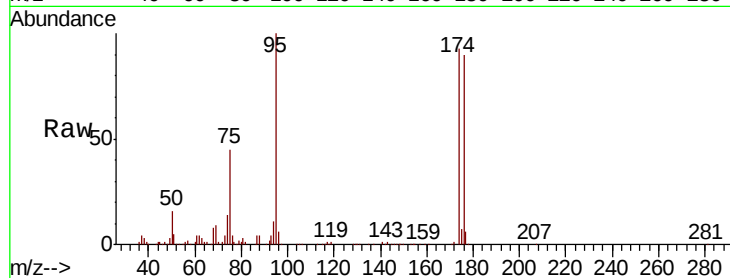
STORAGEBLANK-SAMPLEMANAG

Tot Ion: 75 Resp: 173168

Ion Ratio Lower Upper

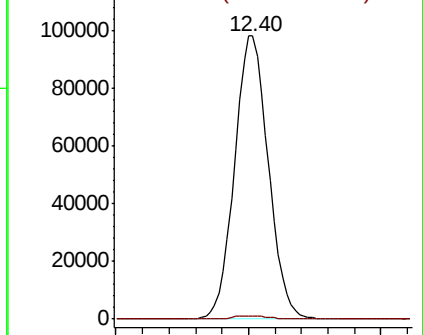
75 100

77 1.2 0.0 0.0#

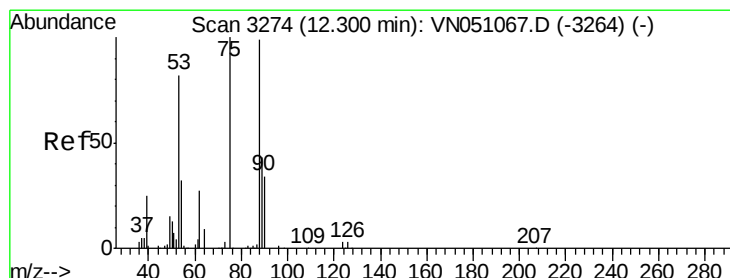
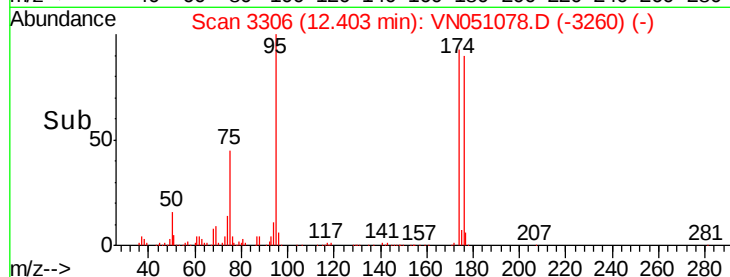


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 120.76 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051078.D

Acq: 10 Sep 2018 15:21

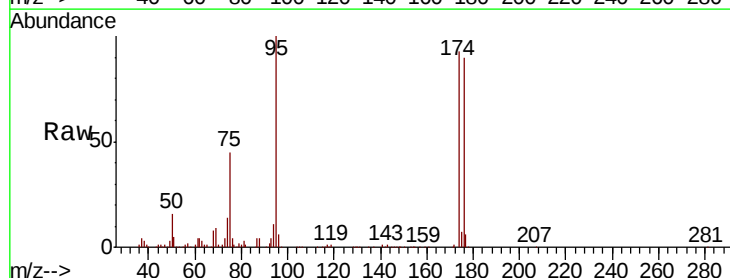
Tgt Ion: 75 Resp: 173168

Ion Ratio Lower Upper

75 100

53 0.2 67.8 101.8#

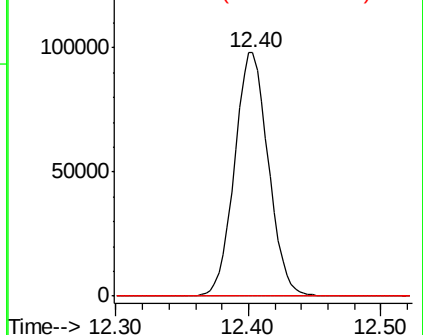
89 0.0 36.0 54.0#



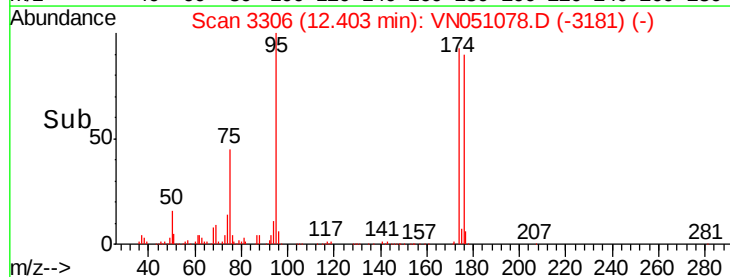
Abundance Ion 74.90 (74.60 to 75.60): VNO

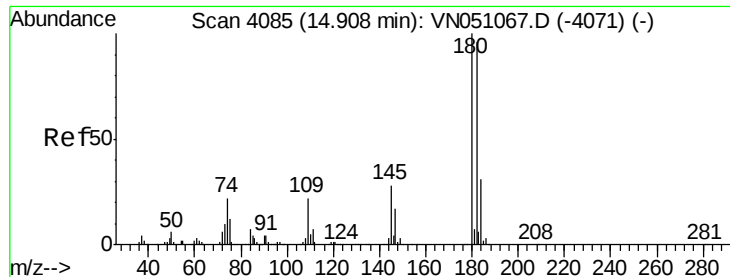
Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



Time--> 12.30 12.40 12.50

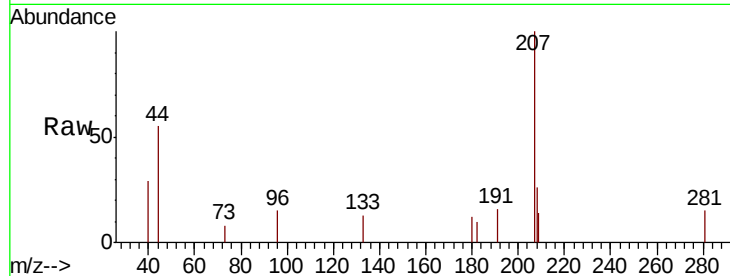




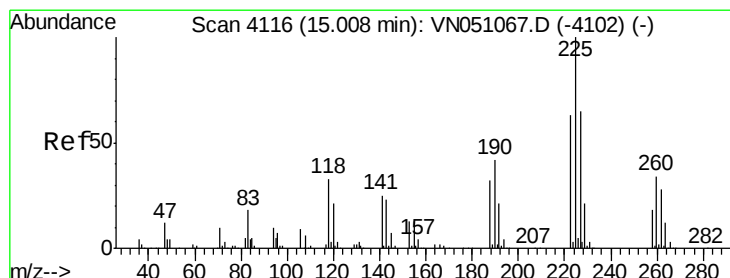
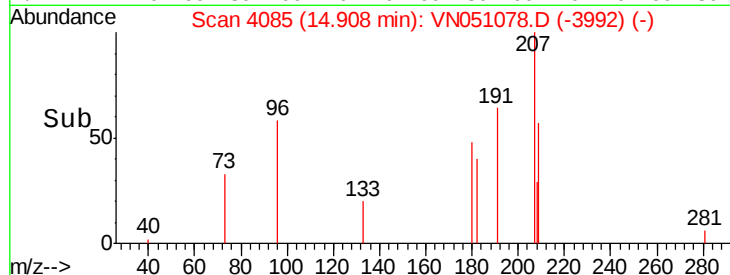
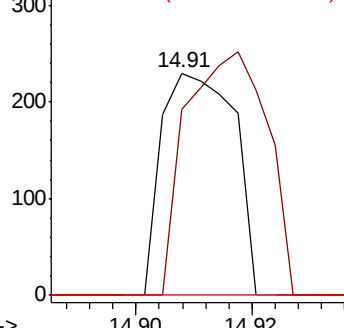
#93
 1,2,4-Trichlorobenzene
 Concen: 4.02 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051078.D
 Acq: 10 Sep 2018 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGEBLANK-SAMPLEMANAG

Tot Ion	Ratio	Lower	Upper
180	100		
182	122.0	47.3	141.8
145	0.0	14.2	42.6#

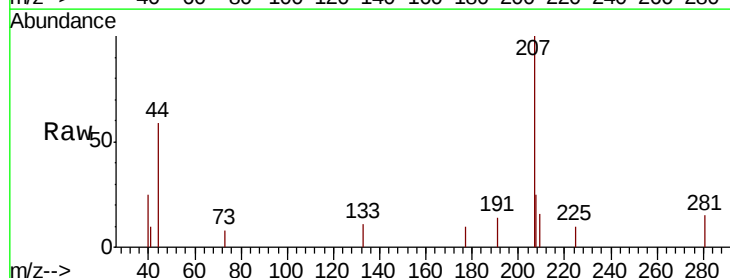


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

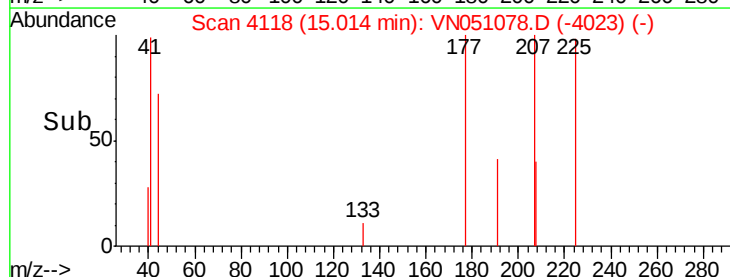
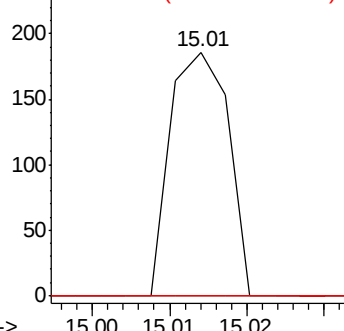


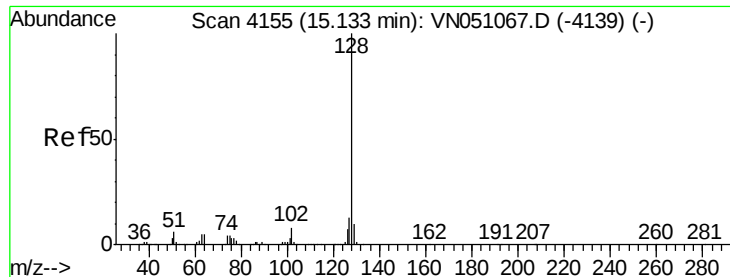
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.01 min
 Lab File: VN051078.D
 Acq: 10 Sep 2018 15:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	31.4	94.0#
227	0.0	32.1	96.3#



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 5.39 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051078.D

Acq: 10 Sep 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

STORAGE\BLANK-SAMPLE\MANAG

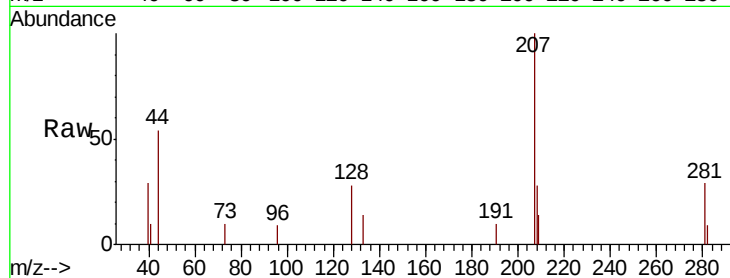
Tot Ion:128 Resp: 619

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

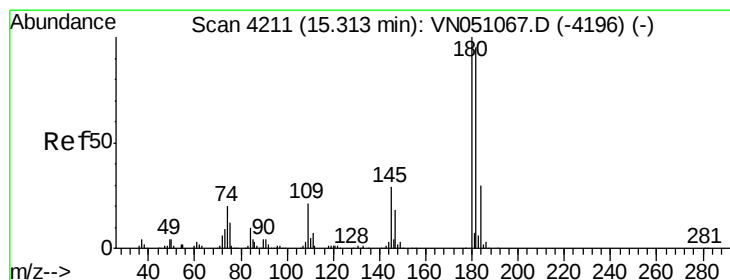
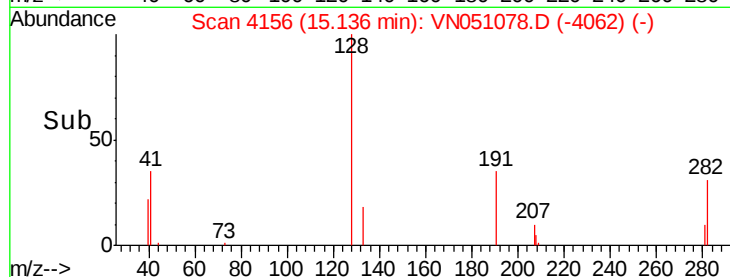
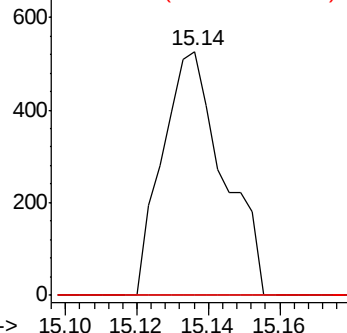
129 0.0 8.6 12.8#



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: 3.01 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN051078.D

Acq: 10 Sep 2018 15:21

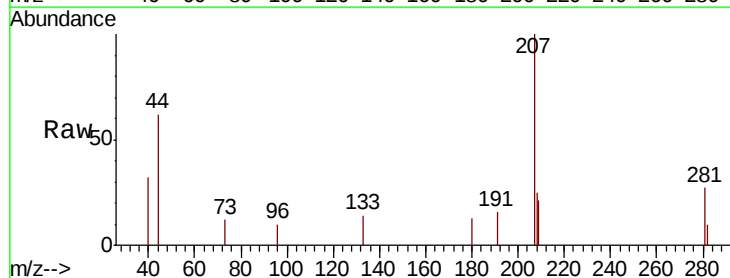
Tgt Ion:180 Resp: 309

Ion Ratio Lower Upper

180 100

182 9.7 47.8 143.3#

145 0.0 14.6 43.8#



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

