

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022119\
 Data File : VN053880.D
 Acq On : 21 Feb 2019 9:41
 Operator : JC/SP
 Sample : K1548-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-190219

Quant Time: Feb 22 00:33:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	651758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1081106	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	995761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	340987	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	339712	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
35) Dibromofluoromethane	7.59	113	343525	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
50) Toluene-d8	10.09	98	1314149	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
62) 4-Bromofluorobenzene	12.40	95	410009	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	

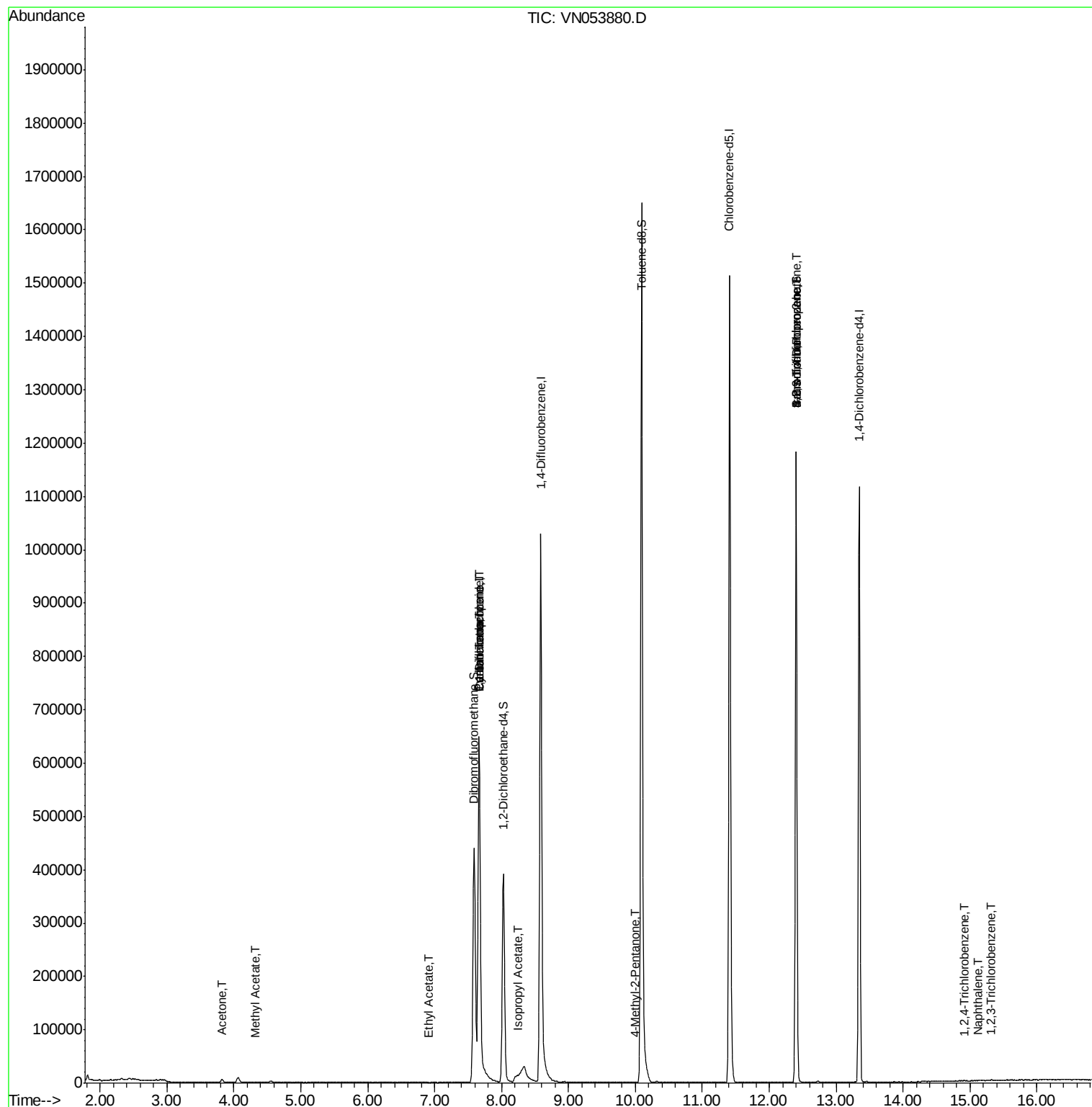
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	10700	5.841	ug/l	96
18) Methyl Acetate	4.32	43	956	0.221	ug/l #	49
31) Cyclohexane	7.66	56	9543	0.367	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	38534	3.889	ug/l #	46
37) Ethyl Acetate	6.91	43	30	0.224	ug/l #	67
38) Carbon Tetrachloride	7.67	117	51627	5.215	ug/l #	17
41) Methacrylonitrile	7.23	41	102	Below Cal	#	100
43) Isopropyl Acetate	8.24	43	14665	1.387	ug/l #	58
51) 4-Methyl-2-Pentanone	9.99	43	270	6.569	ug/l #	34
71) Bromoform	12.40	173	3163	0.586	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	189520	37.861	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	189520	124.989	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.92	180	452	2.990	ug/l #	53
95) Naphthalene	15.13	128	1138	4.689	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.32	180	300	2.609	ug/l #	16

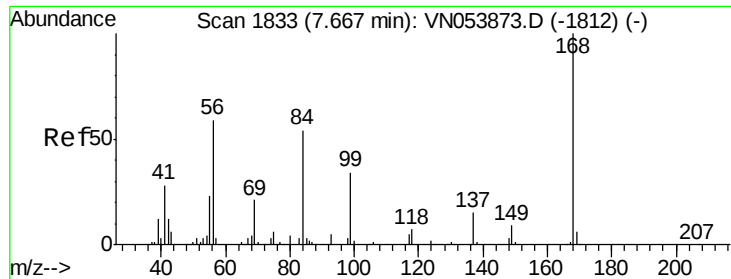
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 21 03:36:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053880.D

Acq: 21 Feb 2019 9:41

Instrument :

MSVOA_N

ClientSampled :

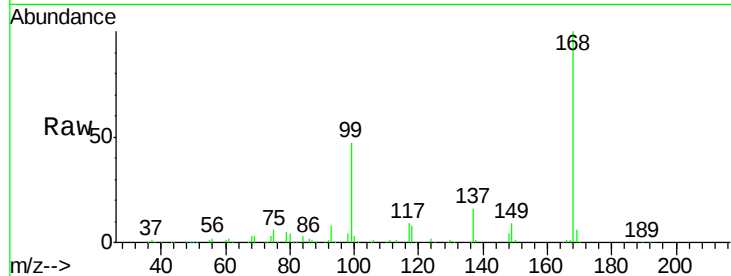
TB-01-190219

Tot Ion:168 Resp: 651758

Ion Ratio Lower Upper

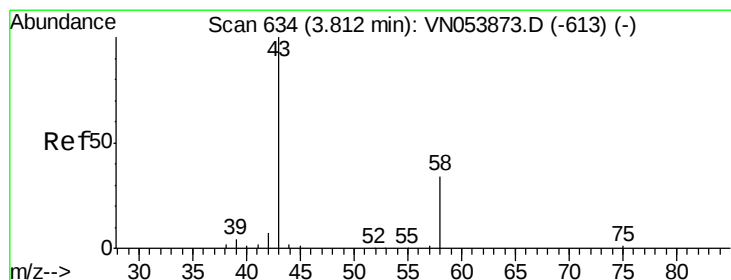
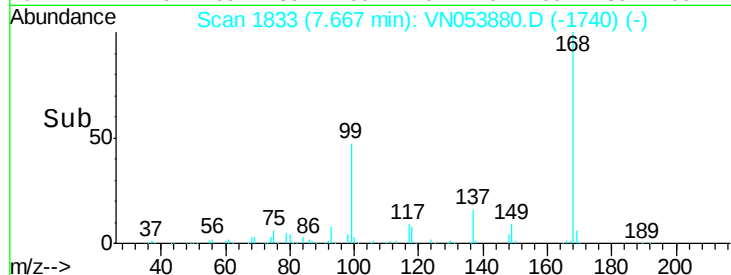
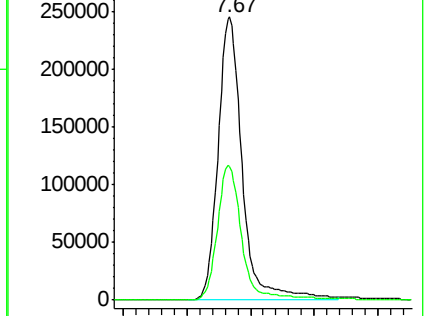
168 100

99 47.1 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 5.841 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053880.D

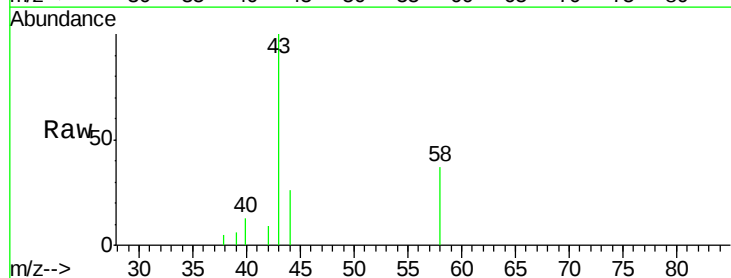
Acq: 21 Feb 2019 9:41

Tgt Ion: 43 Resp: 10700

Ion Ratio Lower Upper

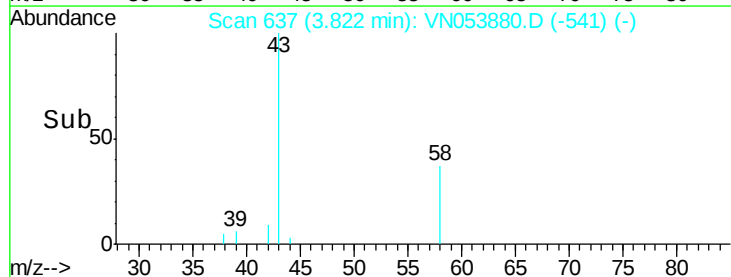
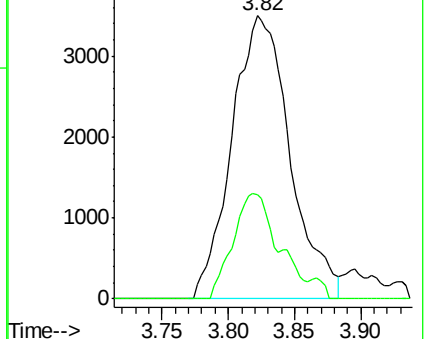
43 100

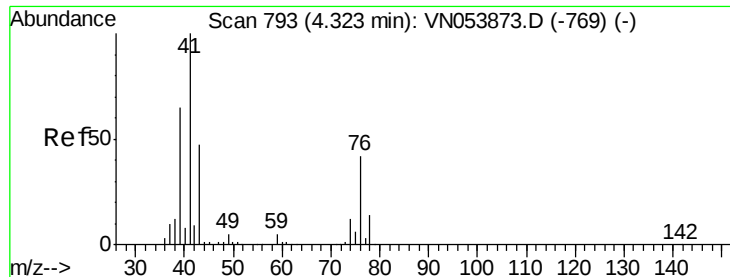
58 37.0 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

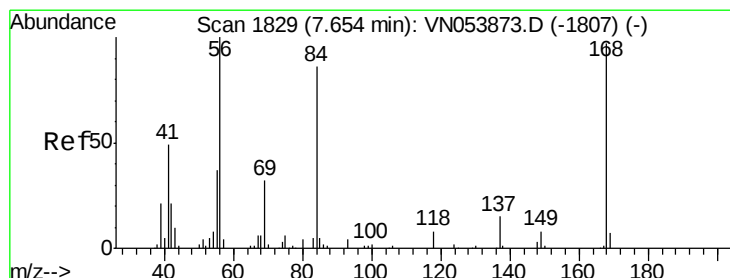
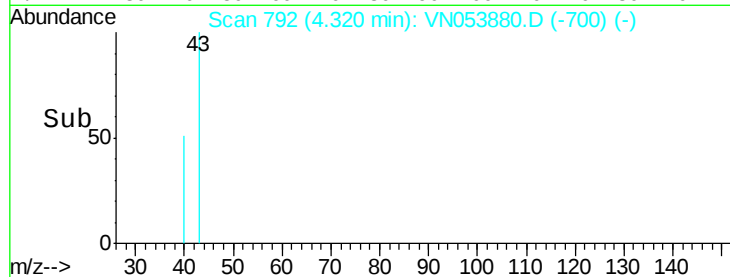
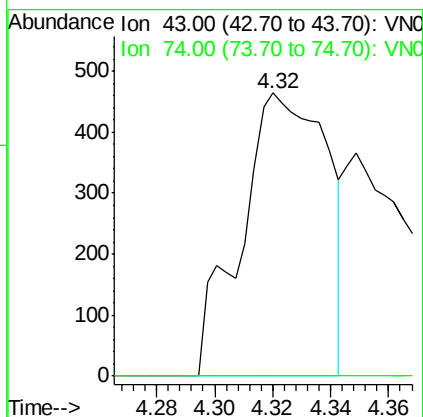
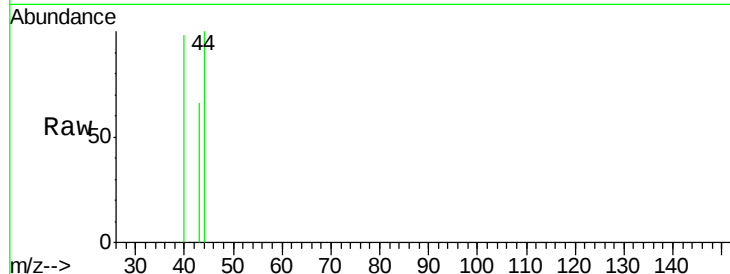




#18
Methyl Acetate
Concen: 0.221 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN053880.D
Acq: 21 Feb 2019 9:41

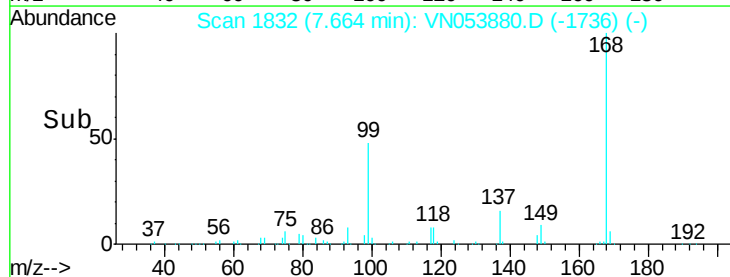
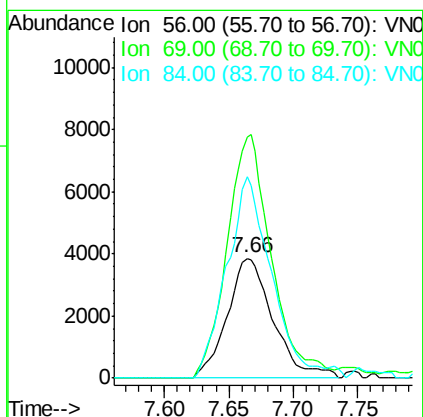
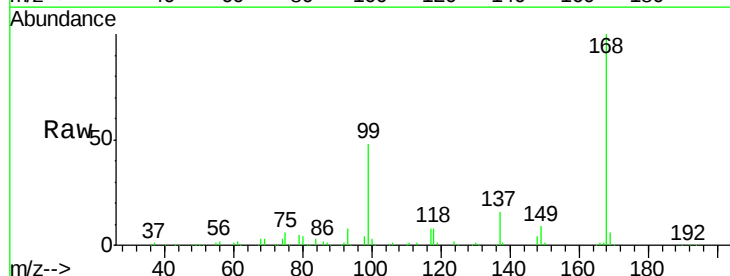
Instrument :
MSVOA_N
ClientSampled :
TB-01-190219

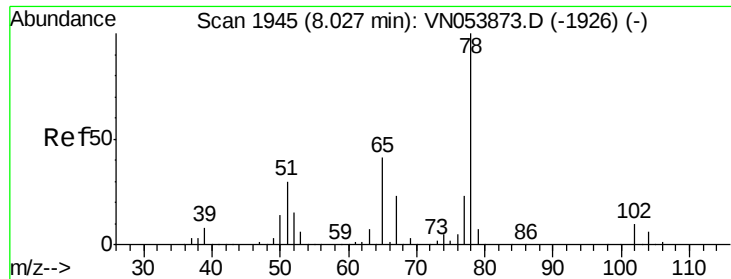
Tot Ion: 43 Resp: 956
Ion Ratio Lower Upper
43 100
74 0.0 20.5 30.7#



#31
Cyclohexane
Concen: 0.367 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN053880.D
Acq: 21 Feb 2019 9:41

Tgt Ion: 56 Resp: 9543
Ion Ratio Lower Upper
56 100
69 201.5 26.0 39.0#
84 168.4 69.1 103.7#

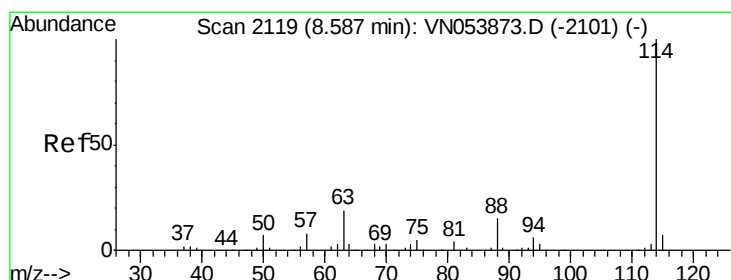
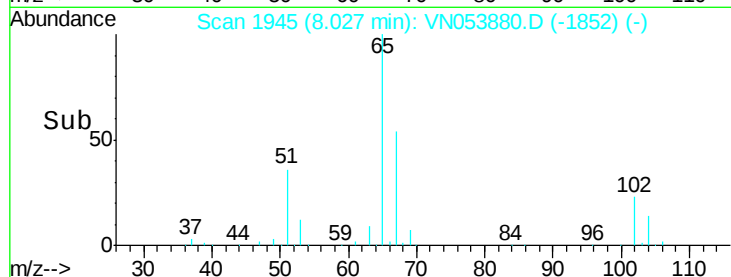
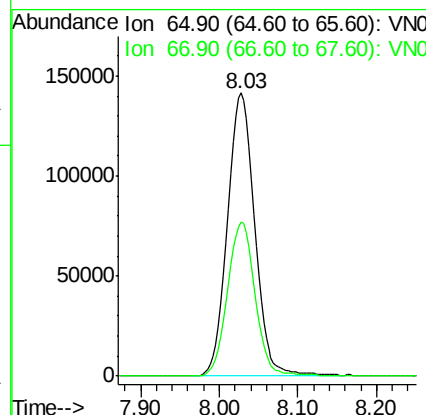
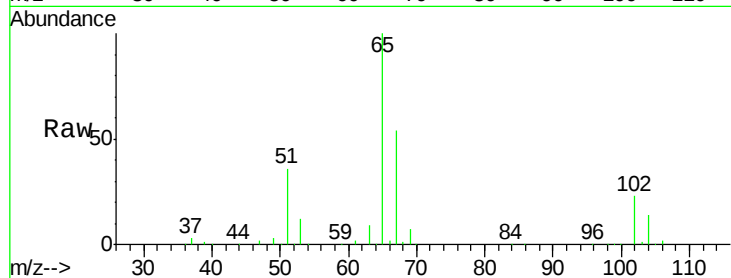




#33
 1,2-Dichloroethane-d4
 Concen: 51.001 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053880.D
 Acq: 21 Feb 2019 9:41

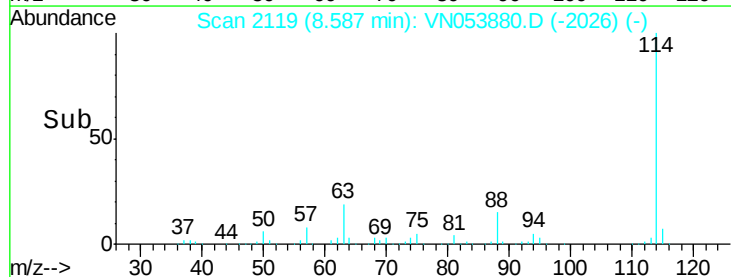
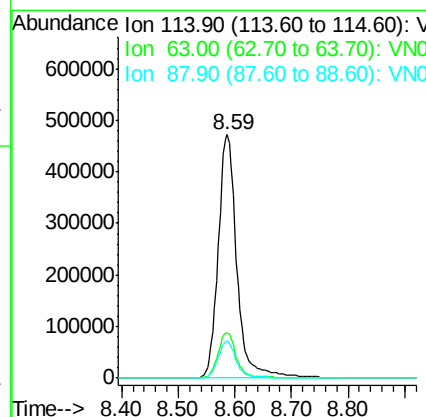
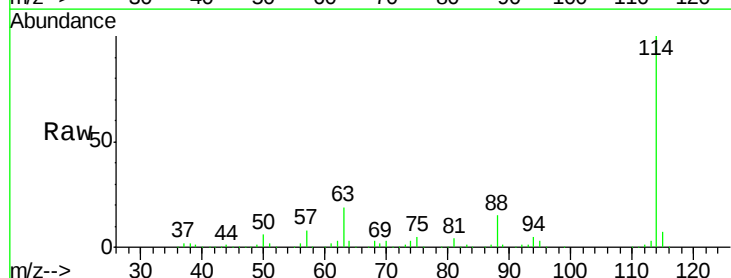
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-190219

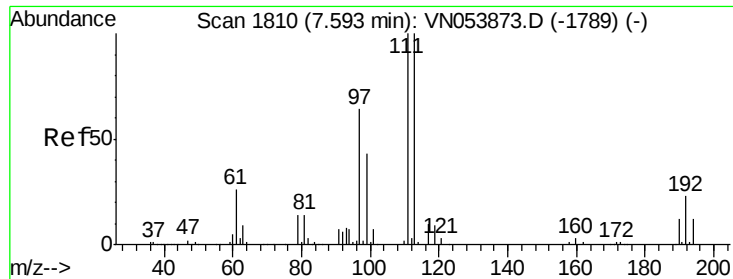
Tot Ion: 65 Resp: 339712
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053880.D
 Acq: 21 Feb 2019 9:41

Tgt Ion: 114 Resp: 1081106
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 37.4
 88 15.2 0.0 30.4

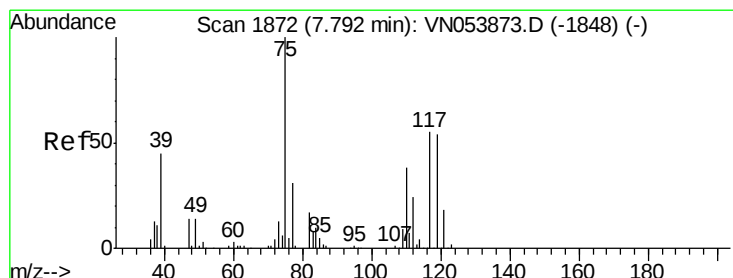
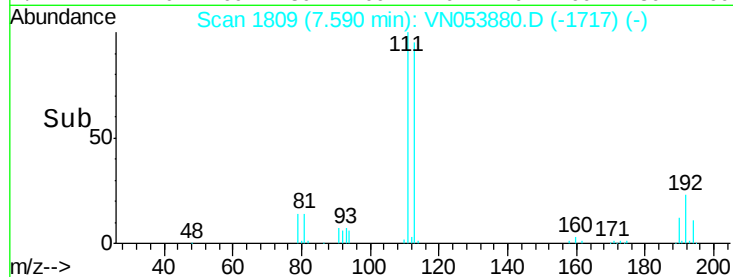
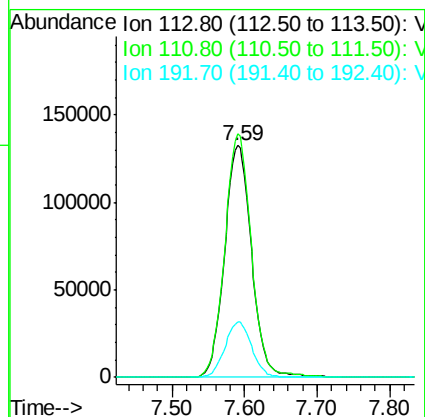
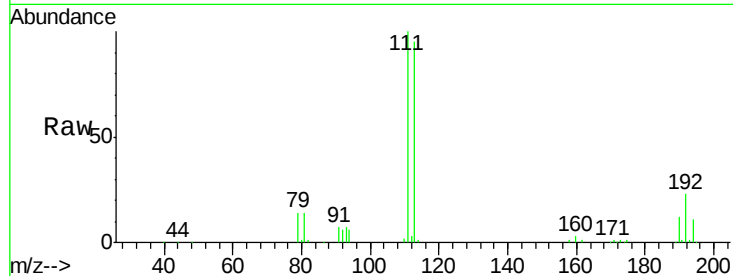




#35
 Dibromofluoromethane
 Concen: 48.417 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053880.D
 Acq: 21 Feb 2019 9:41

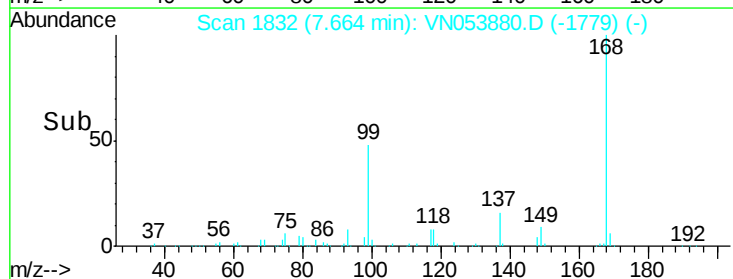
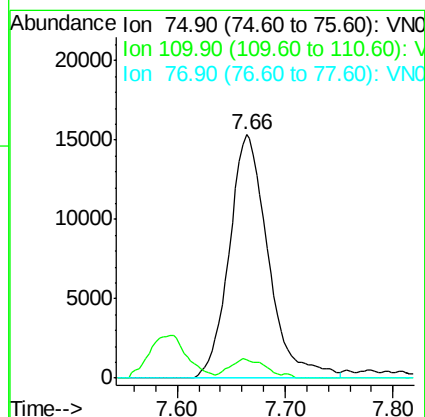
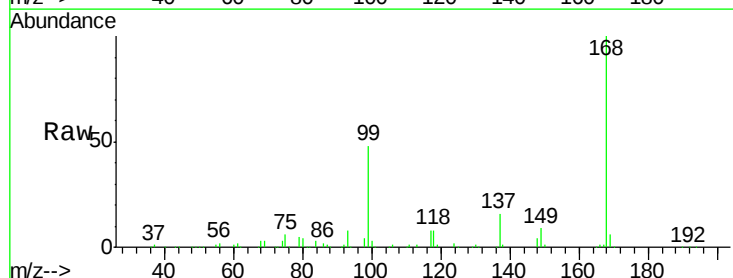
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-190219

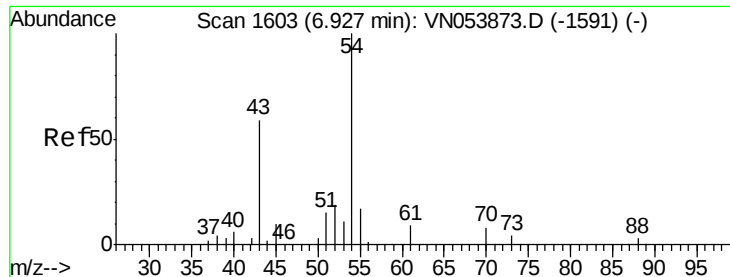
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.1	121.7
192	23.7	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 3.889 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053880.D
 Acq: 21 Feb 2019 9:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.4	19.0	57.0#
77	0.0	25.4	38.0#

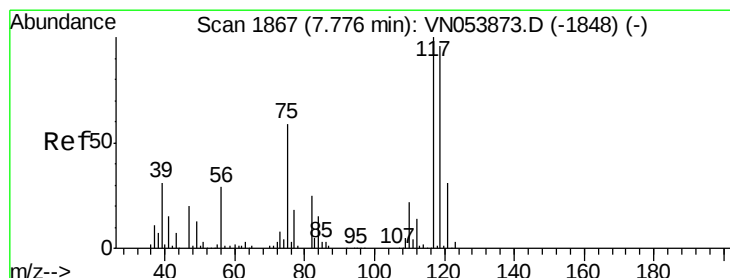
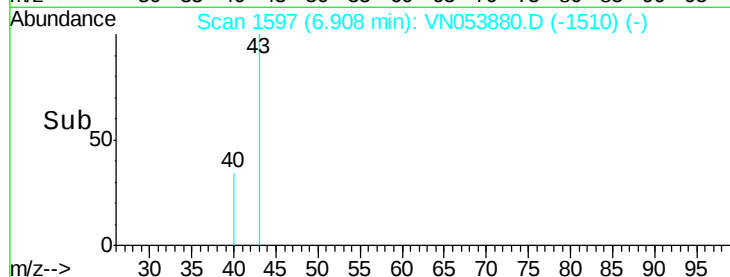
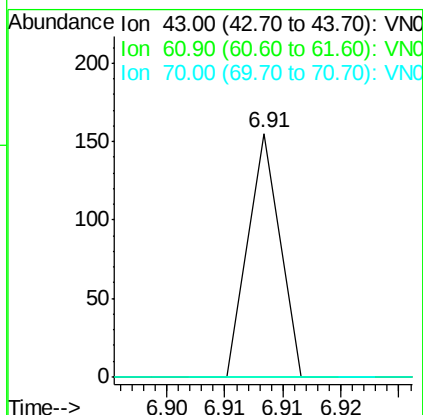
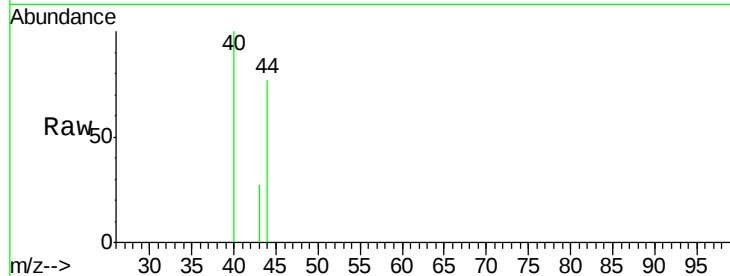




#37
Ethyl Acetate
Concen: 0.224 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.02 min
Lab File: VN053880.D
Acq: 21 Feb 2019 9:41

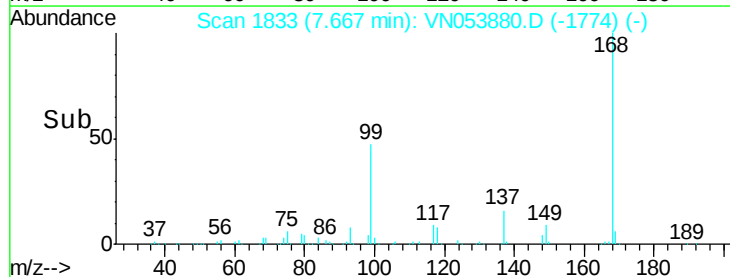
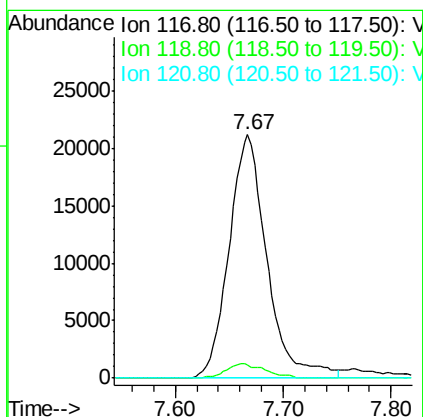
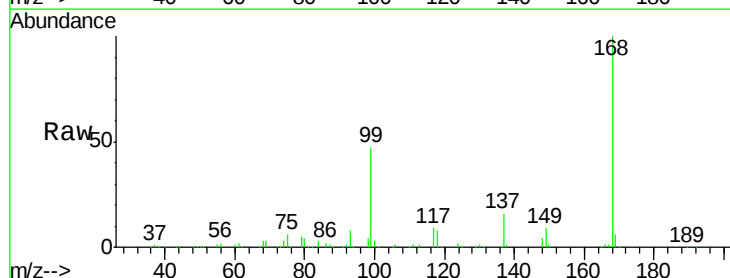
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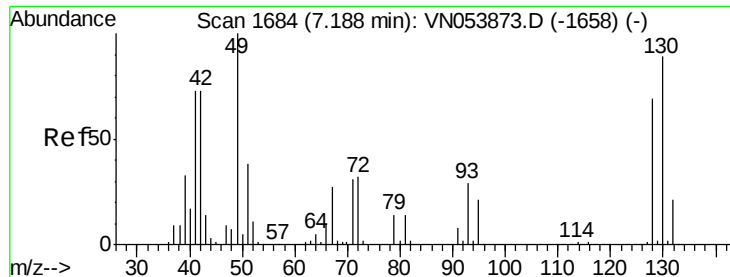
Tot Ion: 43 Resp: 30
Ion Ratio Lower Upper
43 100
61 0.0 12.0 18.0#
70 0.0 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.215 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN053880.D
Acq: 21 Feb 2019 9:41

Tgt Ion: 117 Resp: 51627
Ion Ratio Lower Upper
117 100
119 5.4 76.2 114.2#
121 0.0 24.6 36.8#

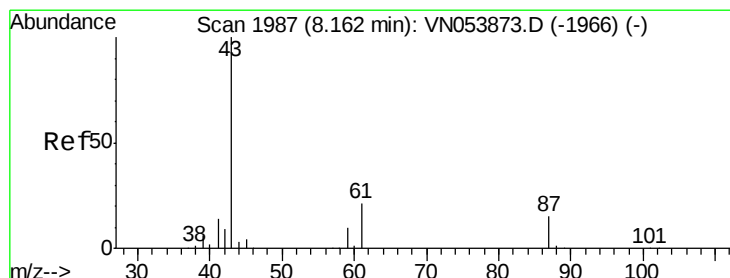
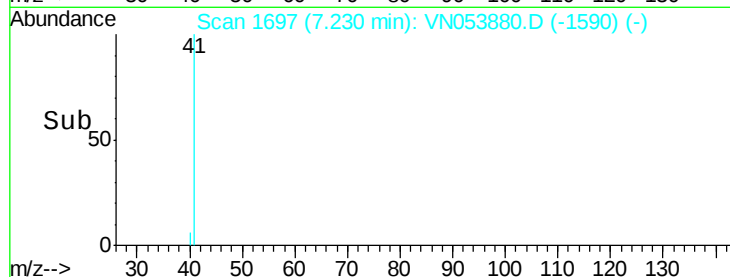
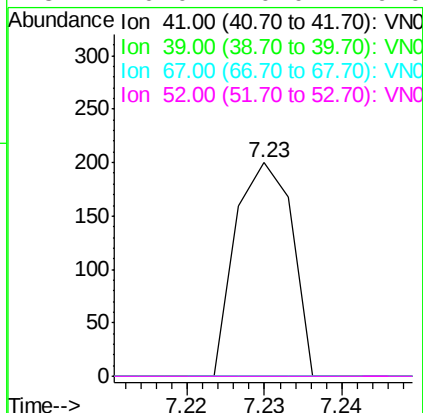
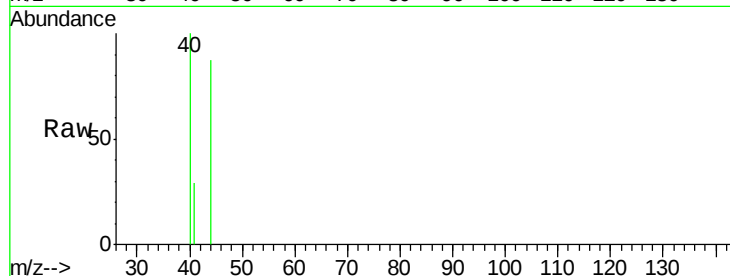




#41
Methacrylonitrile
Concen: Below Cal
RT: 7.23 min Scan# 1697
Delta R.T. 0.04 min
Lab File: VN053880.D
Acq: 21 Feb 2019 9:41

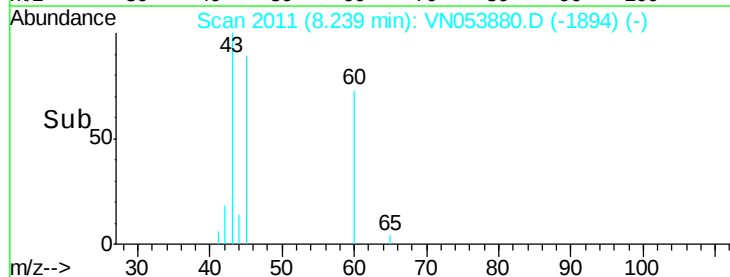
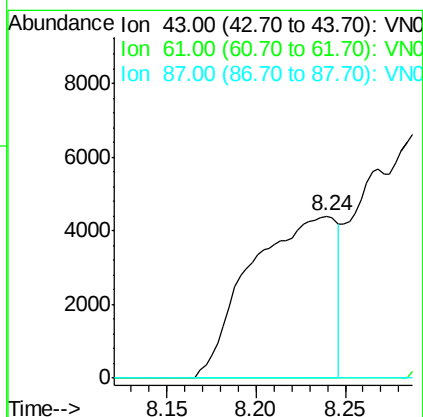
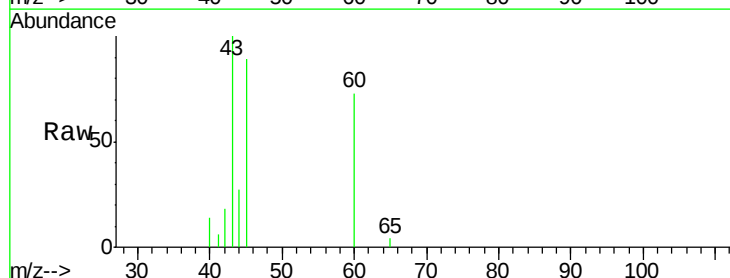
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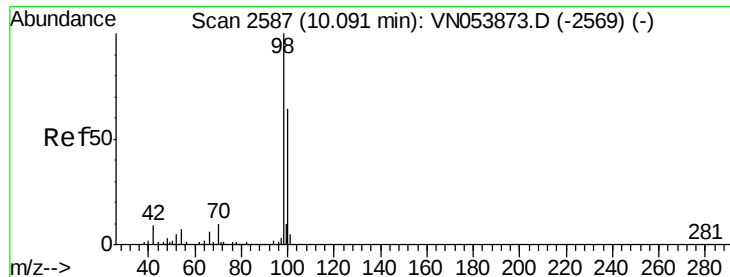
Tot Ion:	41	Resp:	102
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 1.387 ug/l
RT: 8.24 min Scan# 2011
Delta R.T. 0.08 min
Lab File: VN053880.D
Acq: 21 Feb 2019 9:41

Tgt Ion:	43	Resp:	14665
Ion	Ratio	Lower	Upper
43	100		
61	0.0	17.4	26.0#
87	0.0	11.5	17.3#





#50

Toluene-d8

Concen: 51.282 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053880.D

Acq: 21 Feb 2019 9:41

Instrument :

MSVOA_N

ClientSampleId :

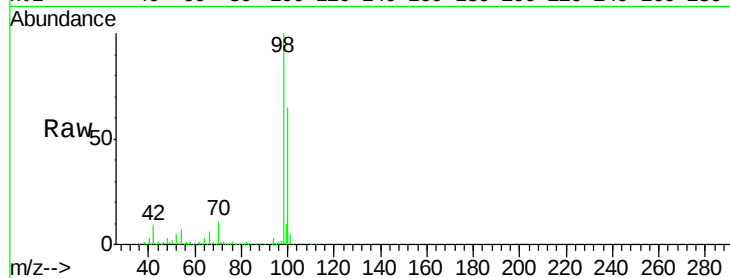
TB-01-190219

Tot Ion: 98 Resp: 1314149

Ion Ratio Lower Upper

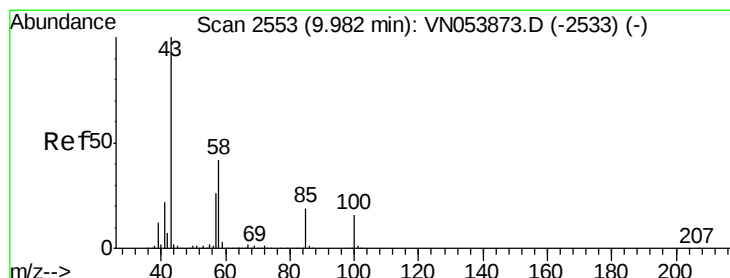
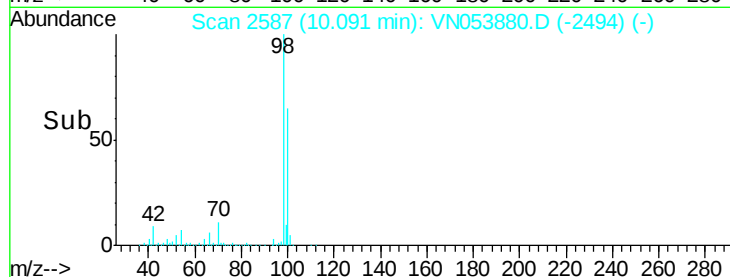
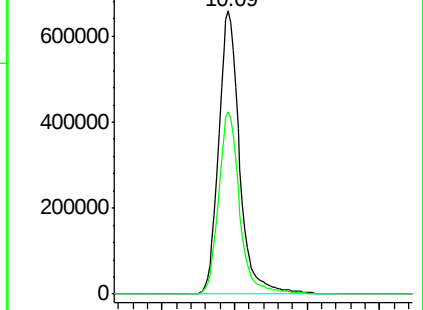
98 100

100 64.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN053873.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN053873.D (-2569) (-)



#51

4-Methyl-2-Pentanone

Concen: 6.569 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053880.D

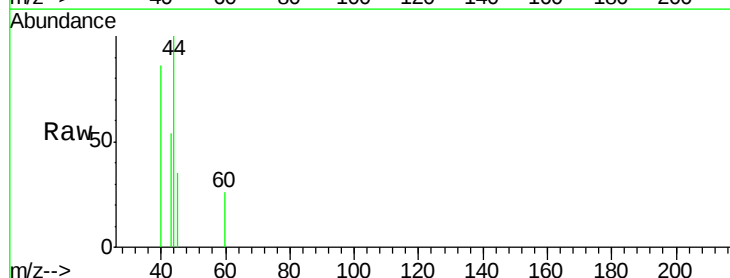
Acq: 21 Feb 2019 9:41

Tgt Ion: 43 Resp: 270

Ion Ratio Lower Upper

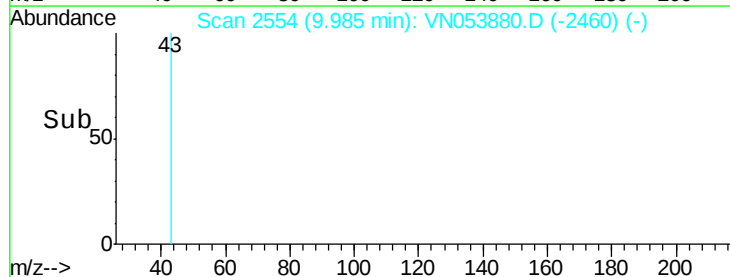
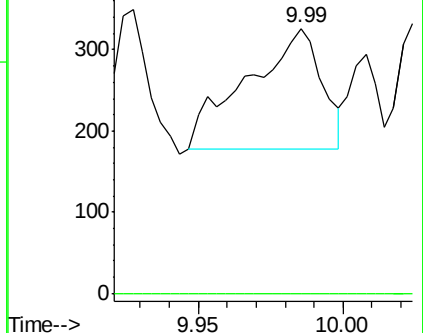
43 100

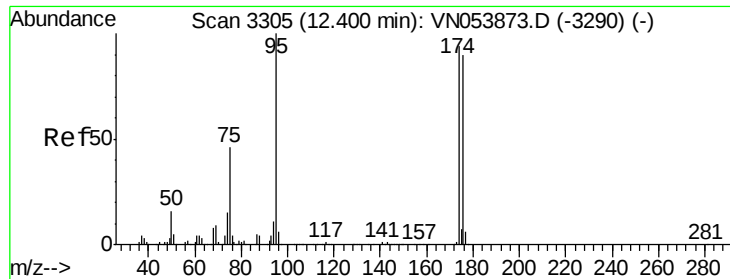
58 0.0 32.7 49.1#



Abundance Ion 43.00 (42.70 to 43.70): VN053873.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN053873.D (-2533) (-)





#62

4-Bromofluorobenzene

Concen: 48.464 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053880.D

Acq: 21 Feb 2019 9:41

Instrument :

MSVOA_N

ClientSampleId :

TB-01-190219

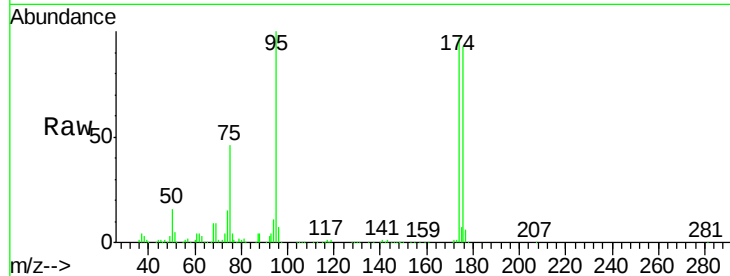
Tot Ion: 95 Resp: 410009

Ion Ratio Lower Upper

95 100

174 95.9 0.0 188.8

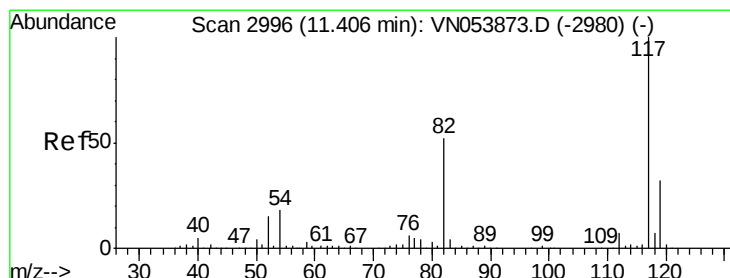
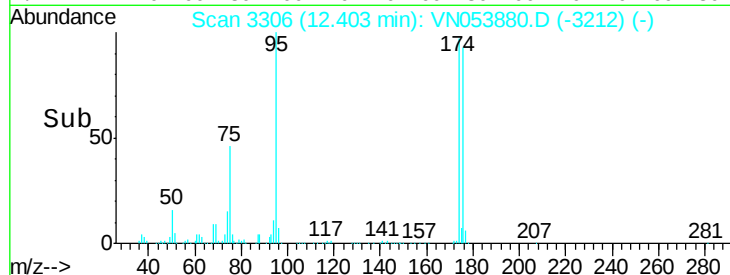
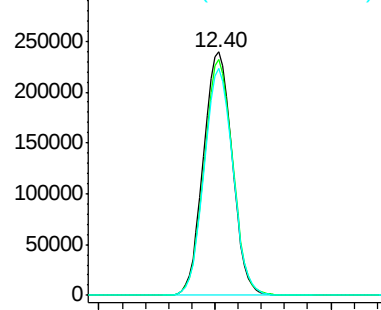
176 92.8 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): VN053873.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN053873.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN053873.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053880.D

Acq: 21 Feb 2019 9:41

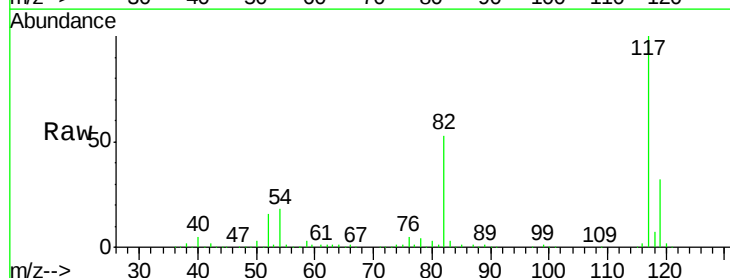
Tgt Ion: 117 Resp: 995761

Ion Ratio Lower Upper

117 100

82 52.9 41.4 62.2

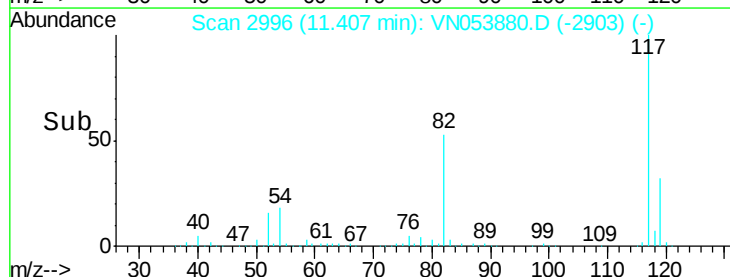
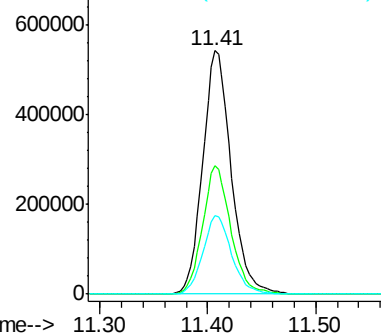
119 32.2 25.3 37.9

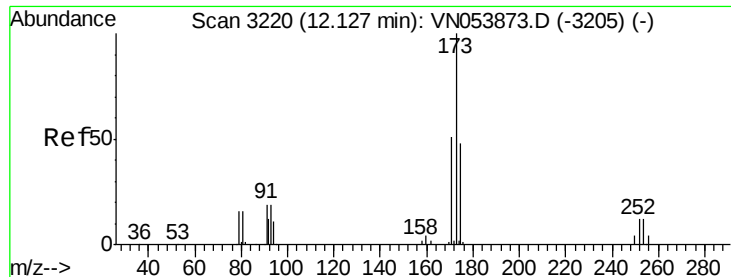


Abundance Ion 116.90 (116.60 to 117.60): VN053873.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053873.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053873.D (-2980) (-)

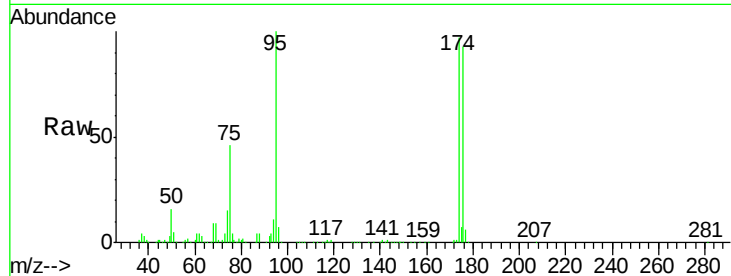




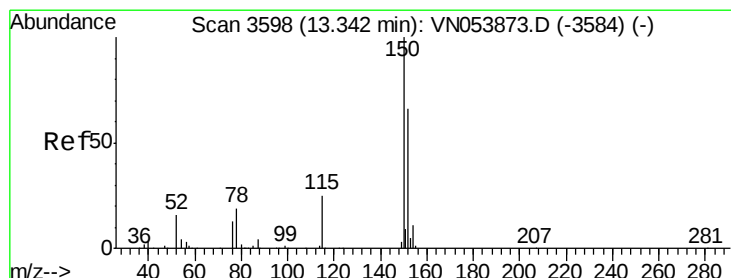
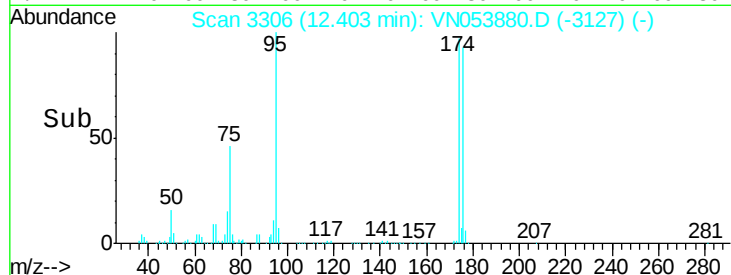
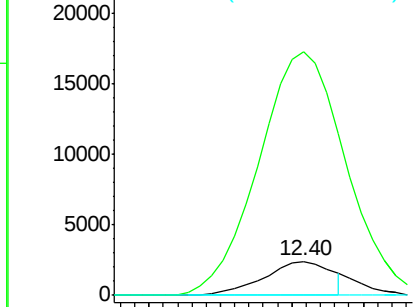
#71
Bromoform
Concen: 0.586 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053880.D
Acq: 21 Feb 2019 9:41

Instrument :
MSVOA_N
ClientSampleId :
TB-01-190219

Tot Ion:173 Resp: 3163
Ion Ratio Lower Upper
173 100
175 779.8 24.3 72.8#
254 0.0 0.2 0.2#

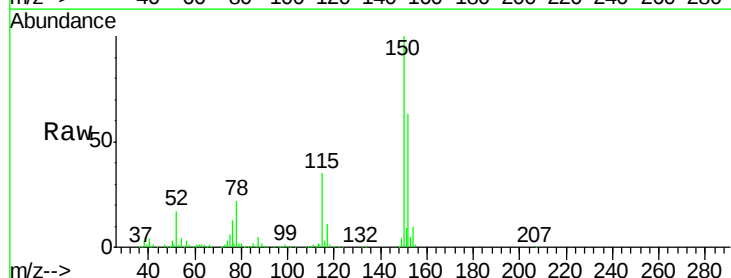


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

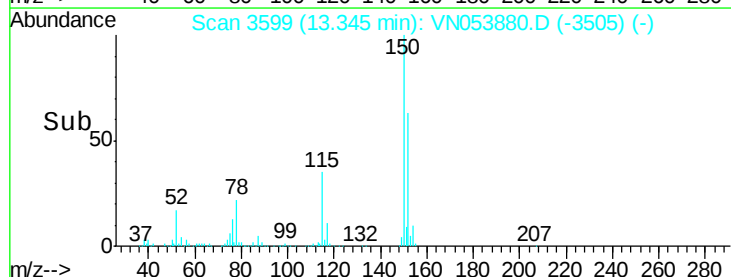
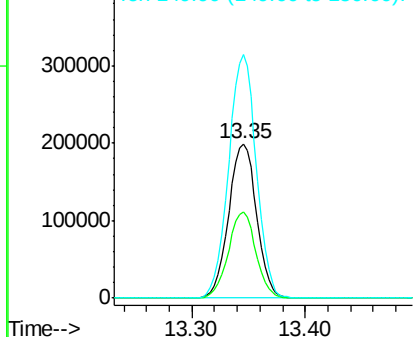


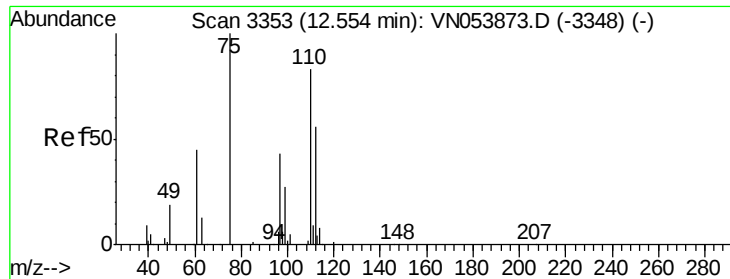
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053880.D
Acq: 21 Feb 2019 9:41

Tgt Ion:152 Resp: 340987
Ion Ratio Lower Upper
152 100
115 55.0 27.2 81.6
150 156.7 0.0 348.2



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

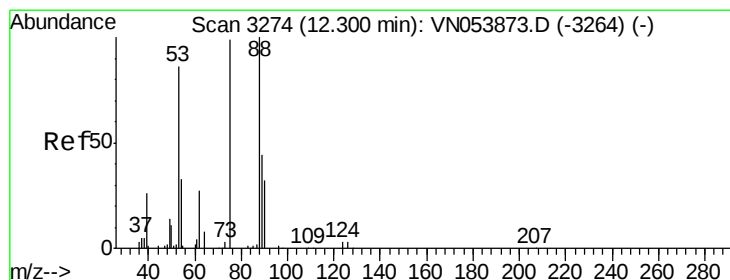
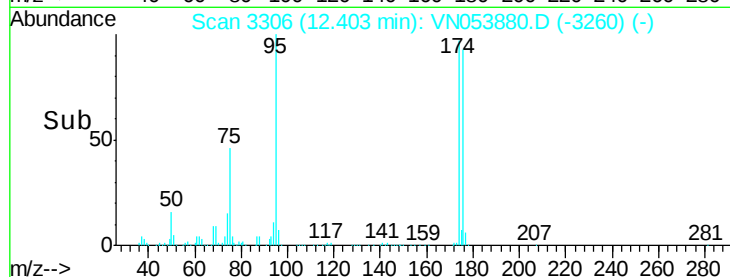
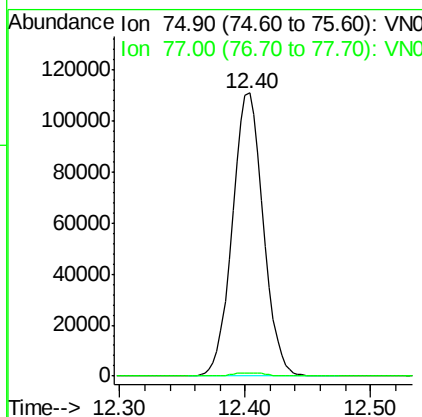
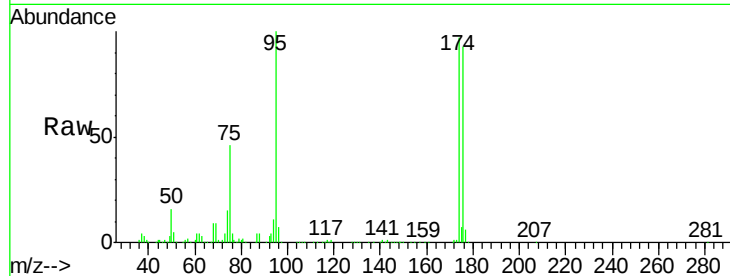




#76
 1,2,3-Trichloropropane
 Concen: 37.861 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN053880.D
 Acq: 21 Feb 2019 9:41

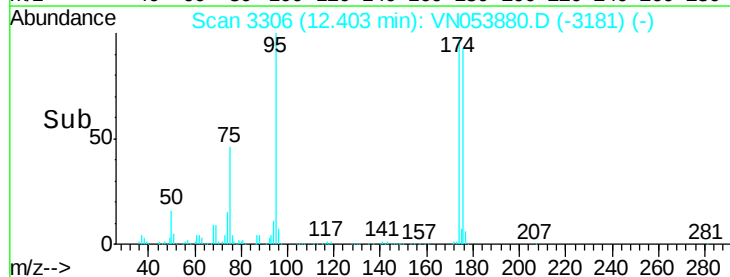
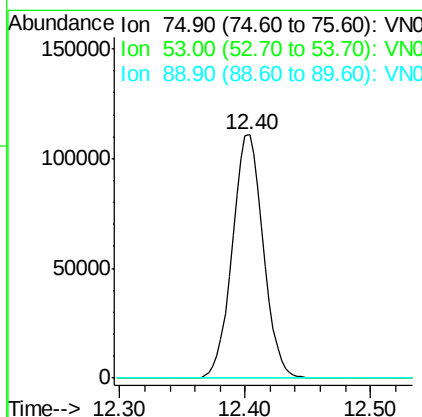
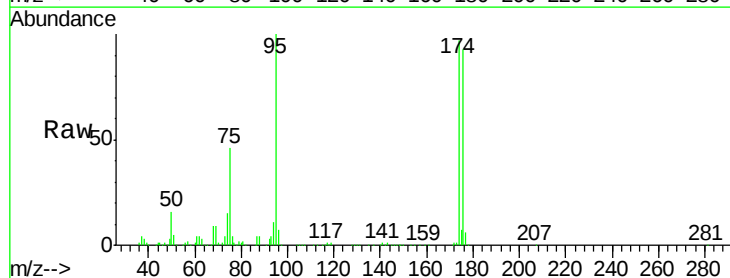
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-190219

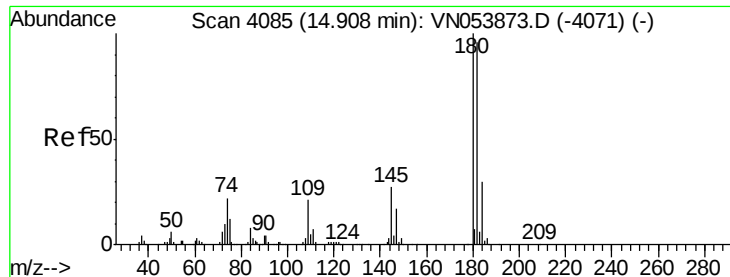
Tot Ion: 75 Resp: 189520
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.989 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN053880.D
 Acq: 21 Feb 2019 9:41

Tgt Ion: 75 Resp: 189520
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.6 102.8#
 89 0.0 35.3 52.9#

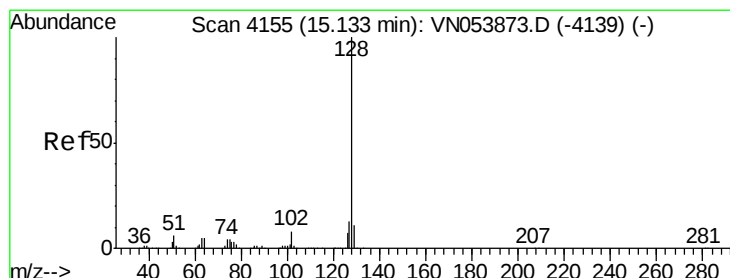
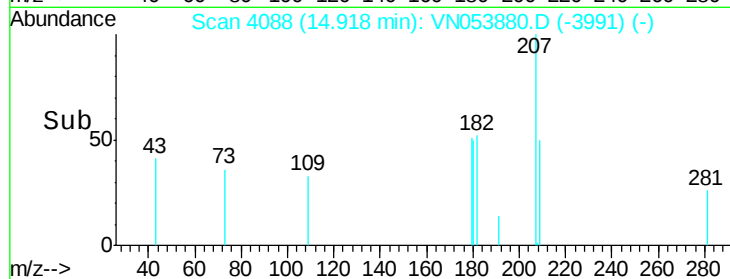
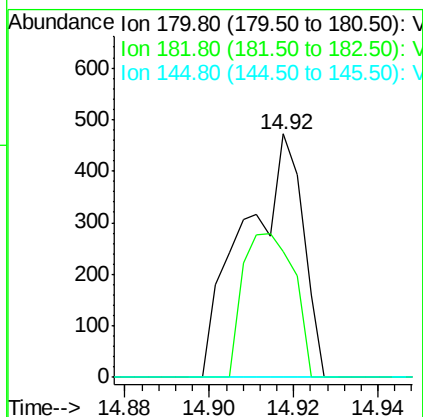
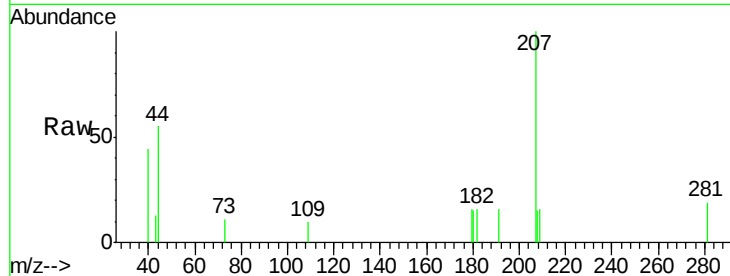




#93
 1,2,4-Trichlorobenzene
 Concen: 2.990 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.01 min
 Lab File: VN053880.D
 Acq: 21 Feb 2019 9:41

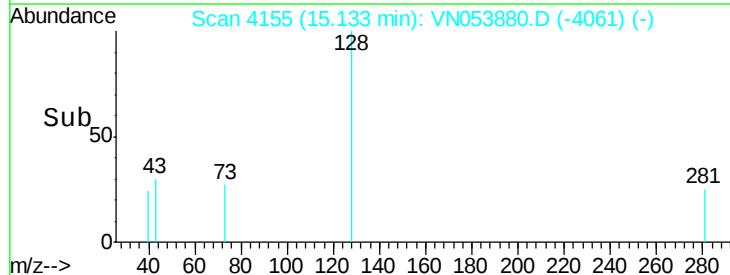
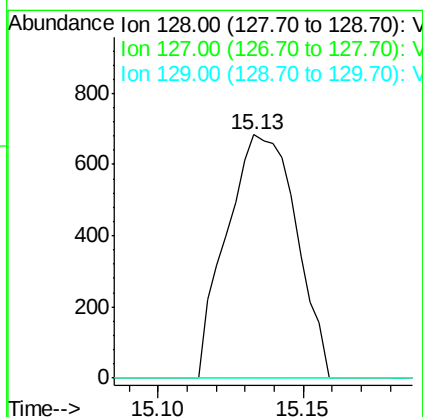
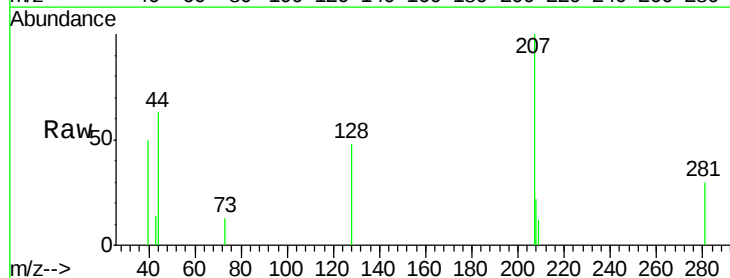
Instrument :
 MSVOA_N
 ClientSampled :
 TB-01-190219

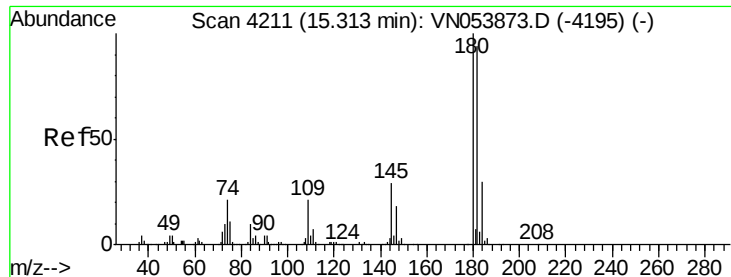
Tot Ion:180 Resp: 452
 Ion Ratio Lower Upper
 180 100
 182 52.0 48.6 145.9
 145 0.0 13.8 41.3#



#95
 Naphthalene
 Concen: 4.689 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN053880.D
 Acq: 21 Feb 2019 9:41

Tgt Ion:128 Resp: 1138
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.2#
 129 0.0 8.6 12.8#

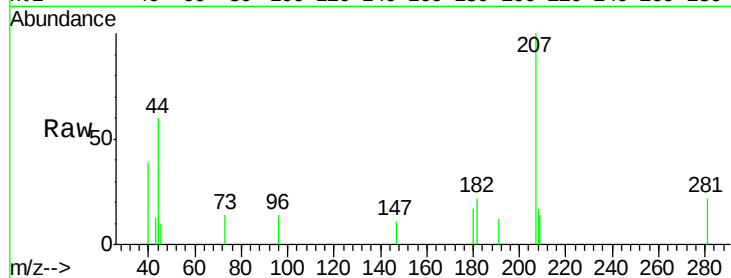




#96
 1,2,3-Trichlorobenzene
 Concen: 2.609 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN053880.D
 Acq: 21 Feb 2019 9:41

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-190219

Tot Ion:180 Resp: 300
 Ion Ratio Lower Upper
 180 100
 182 184.7 47.3 141.8#
 145 0.0 14.4 43.0#



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

