

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054600.D
 Acq On : 23 Mar 2019 13:14
 Operator : JC/SP
 Sample : K2020-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-190318

Quant Time: Mar 25 03:29:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

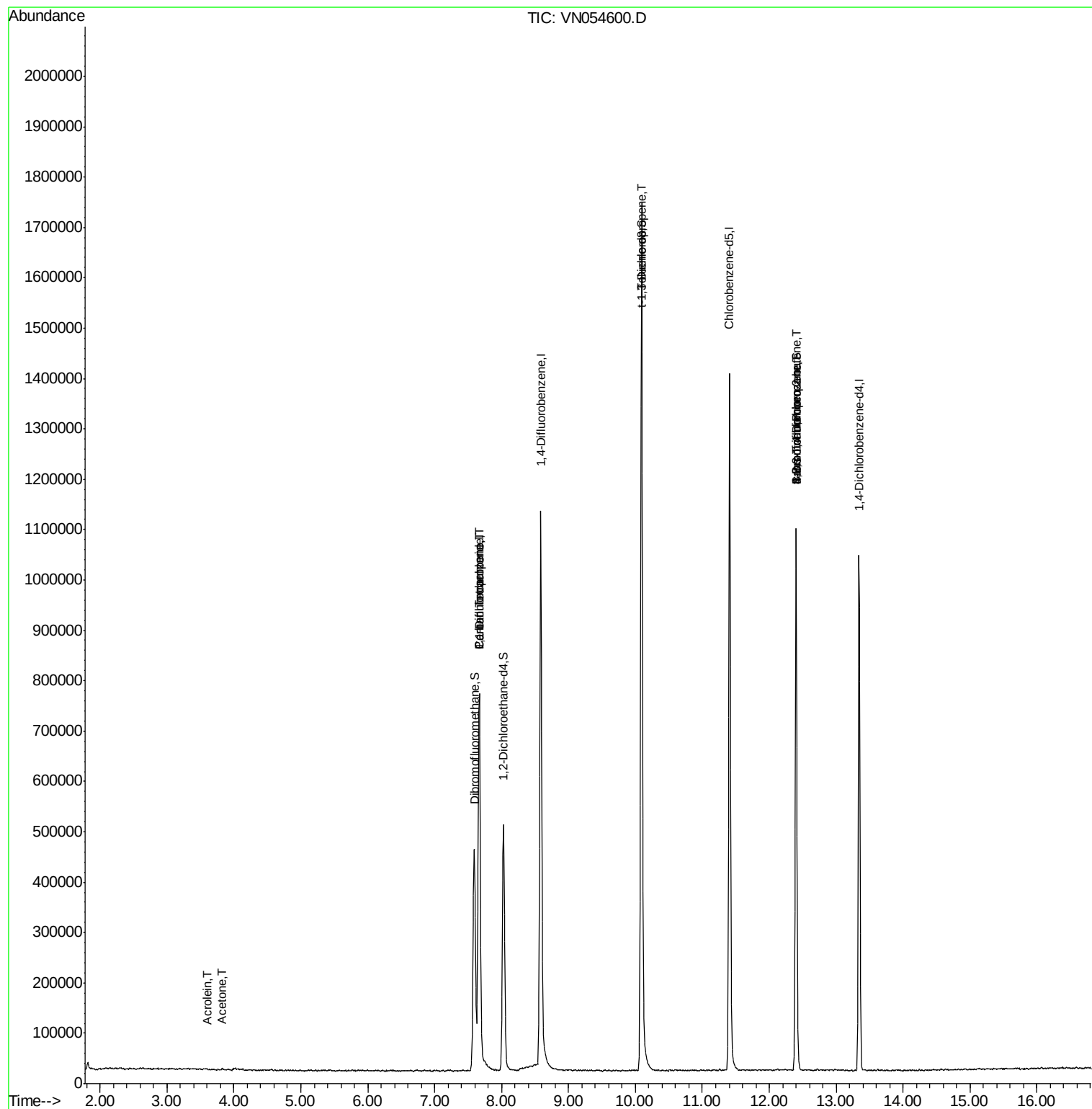
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	664539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	983079	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	809537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	269279	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	427872	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
35) Dibromofluoromethane	7.59	113	332214	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
50) Toluene-d8	10.09	98	1258954	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
62) 4-Bromofluorobenzene	12.40	95	376273	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
Target Compounds						
					Qvalue	
13) Acrolein	3.61	56	208	0.301	ug/l #	55
16) Acetone	3.83	43	1996	0.803	ug/l #	84
31) Cyclohexane	7.66	56	13540	Below Cal	#	23
36) 1,1-Dichloropropene	7.66	75	48060	5.229	ug/l #	47
38) Carbon Tetrachloride	7.67	117	60420	6.764	ug/l #	16
53) t-1,3-Dichloropropene	10.11	75	29	2.235	ug/l #	63
71) Bromoform	12.40	173	1778	2.637	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	192821	45.125	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	192821	148.865	ug/l #	11

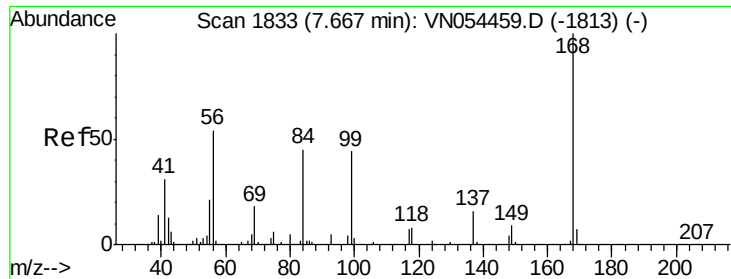
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 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: VN054600.D

Acq: 23 Mar 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

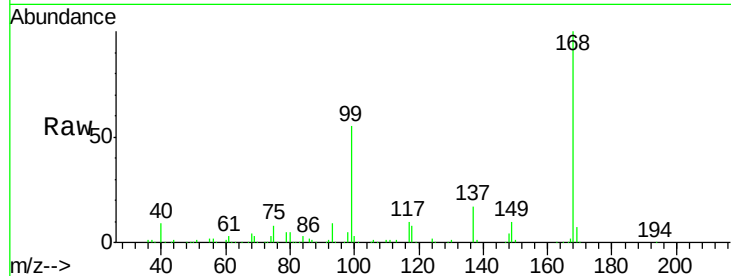
TB-01-190318

Tot Ion:168 Resp: 664539

Ion Ratio Lower Upper

168 100

99 54.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

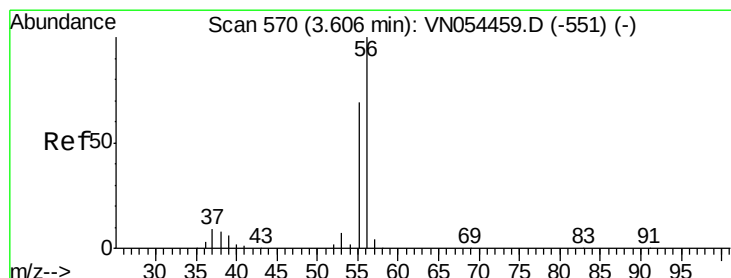
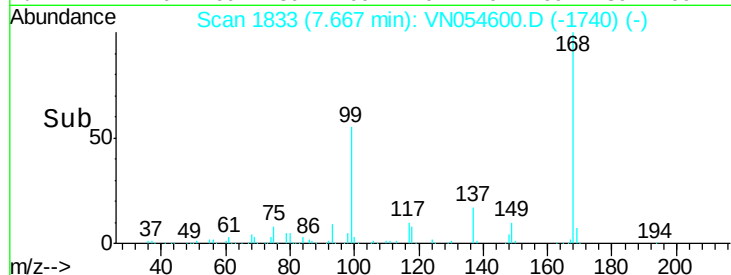
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 0.301 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054600.D

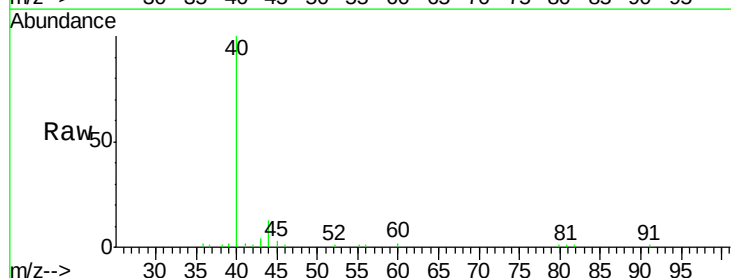
Acq: 23 Mar 2019 13:14

Tgt Ion: 56 Resp: 208

Ion Ratio Lower Upper

56 100

55 107.7 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.61

400

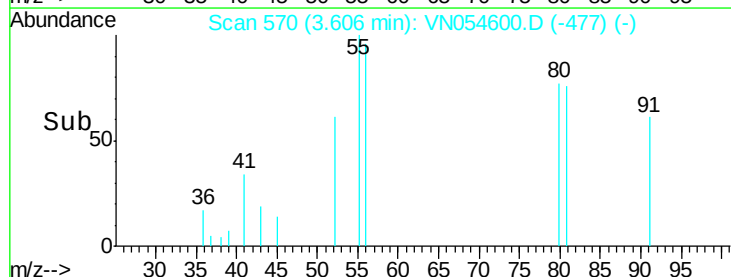
300

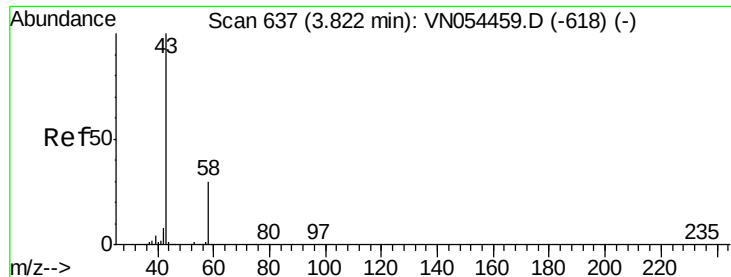
200

100

0

Time-->

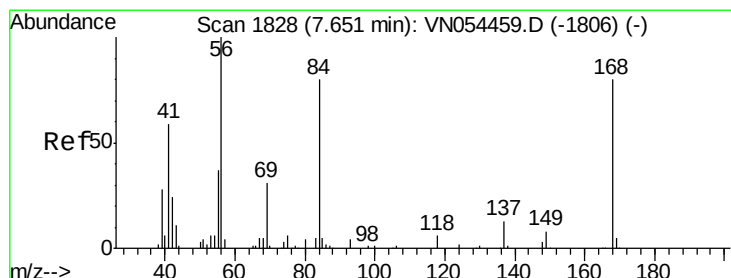
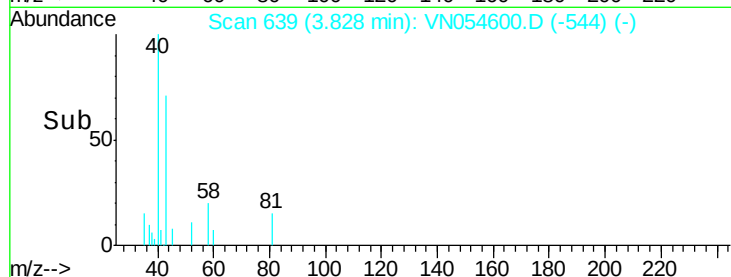
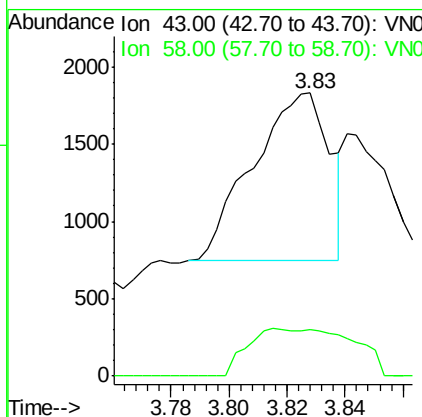
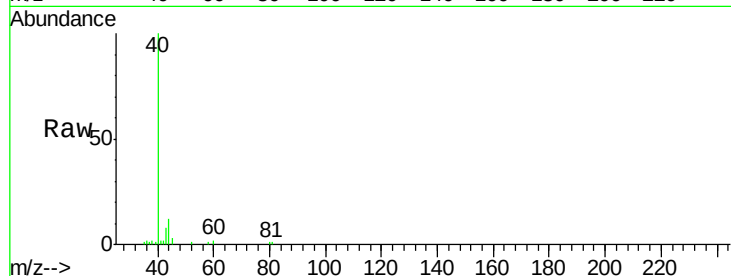




#16
Acetone
Concen: 0.803 ug/l
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN054600.D
Acq: 23 Mar 2019 13:14

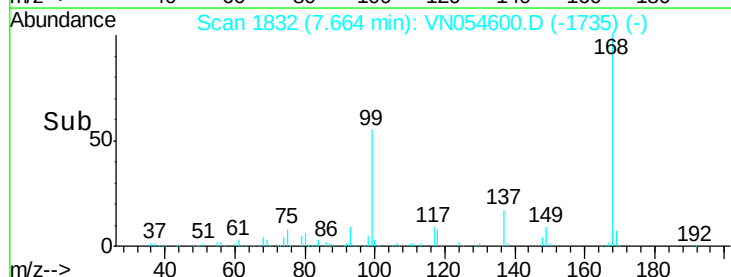
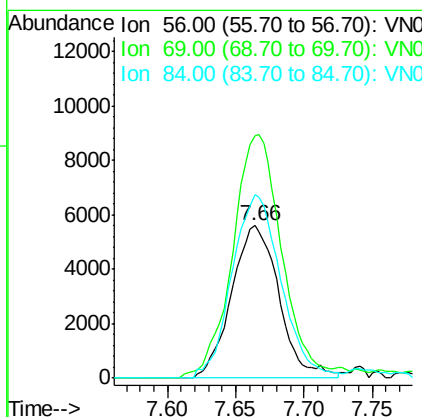
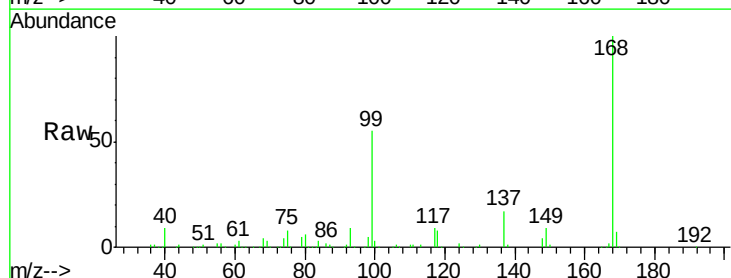
Instrument :
MSVOA_N
ClientSampleId :
TB-01-190318

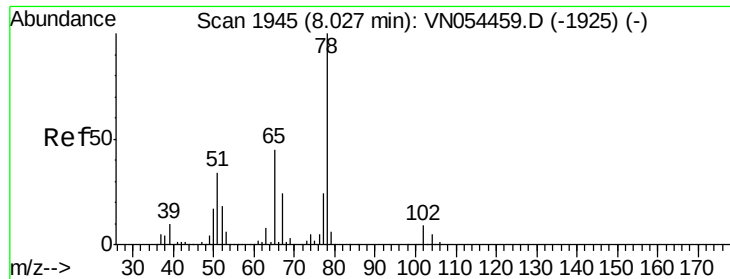
Tot Ion: 43 Resp: 1996
Ion Ratio Lower Upper
43 100
58 28.0 29.9 44.9#



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054600.D
Acq: 23 Mar 2019 13:14

Tgt Ion: 56 Resp: 13540
Ion Ratio Lower Upper
56 100
69 155.2 27.8 41.6#
84 120.6 74.6 111.8#

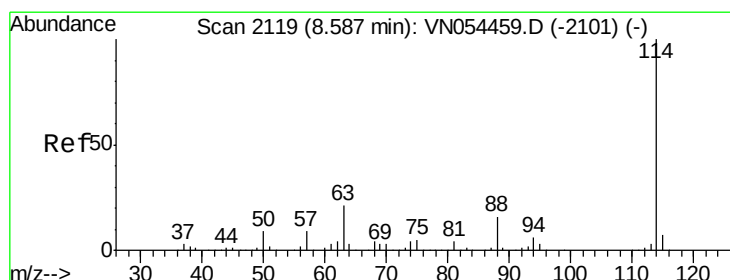
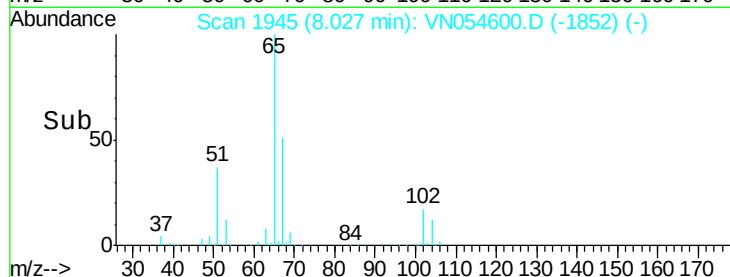
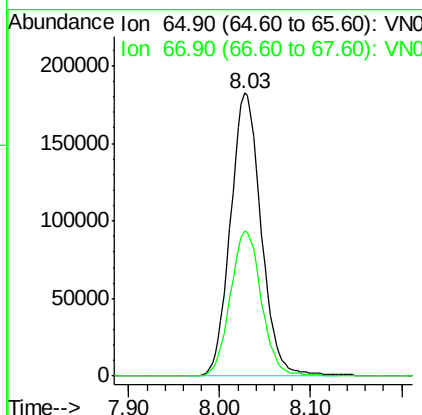
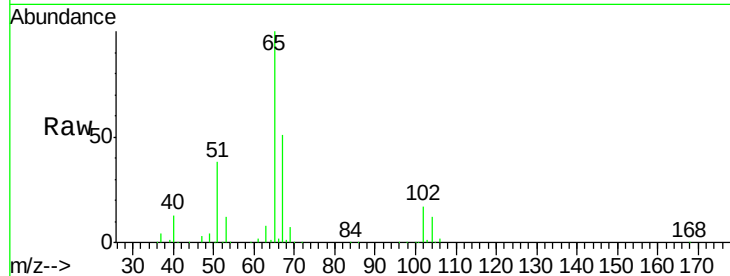




#33
 1,2-Dichloroethane-d4
 Concen: 51.764 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054600.D
 Acq: 23 Mar 2019 13:14

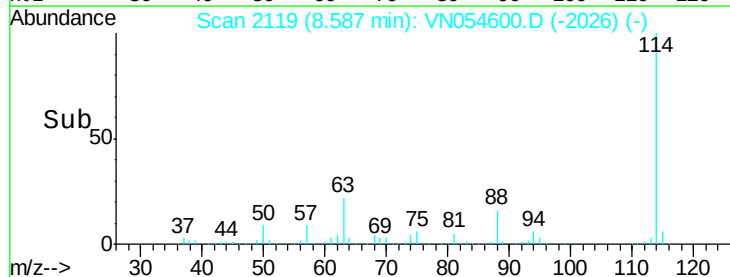
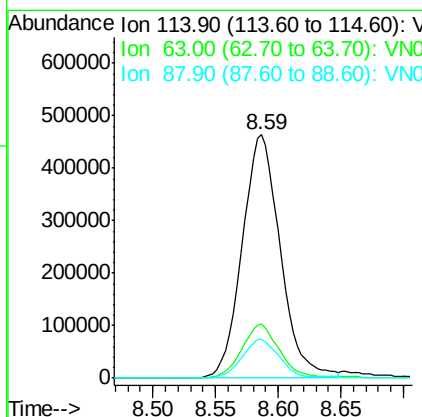
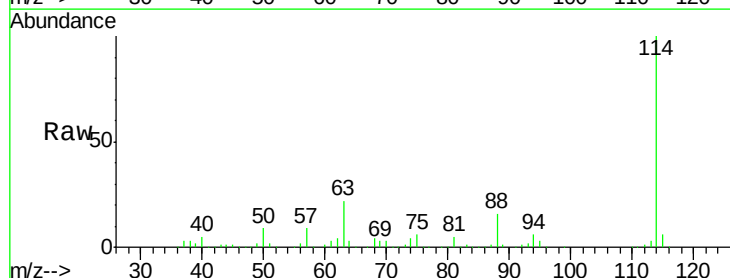
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-190318

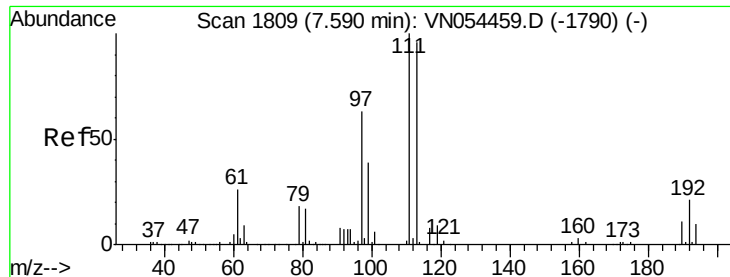
Tot Ion: 65 Resp: 427872
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054600.D
 Acq: 23 Mar 2019 13:14

Tgt Ion: 114 Resp: 983079
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 35.2
 88 15.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 52.454 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054600.D

Acq: 23 Mar 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

TB-01-190318

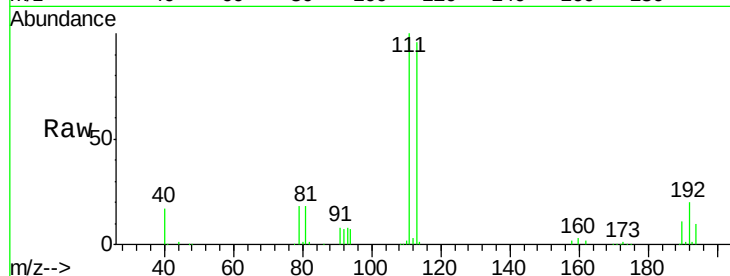
Tot Ion:113 Resp: 332214

Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.4

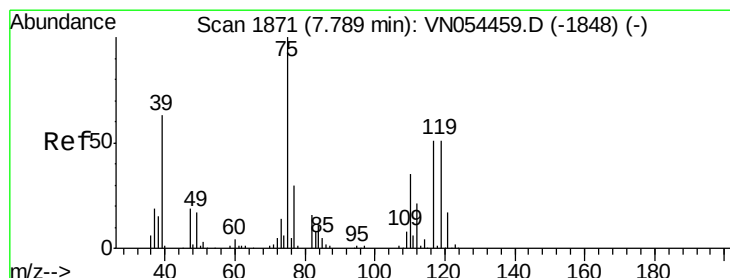
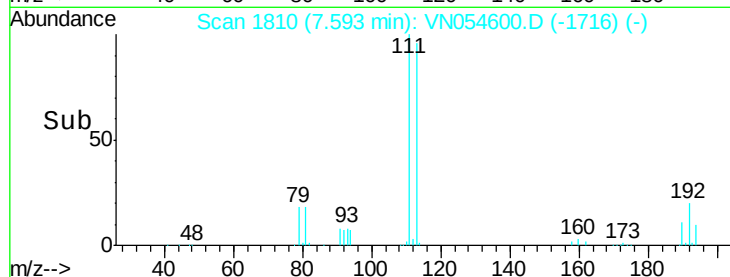
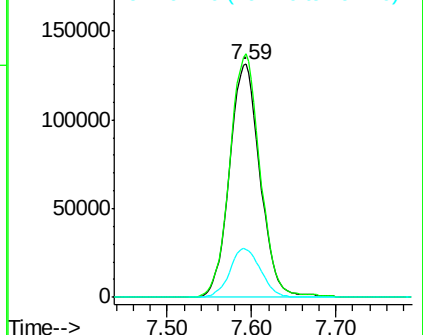
192 21.1 19.2 28.8



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: 5.229 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054600.D

Acq: 23 Mar 2019 13:14

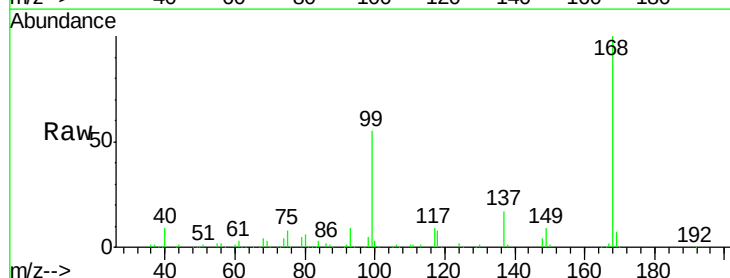
Tgt Ion: 75 Resp: 48060

Ion Ratio Lower Upper

75 100

110 8.5 19.1 57.5#

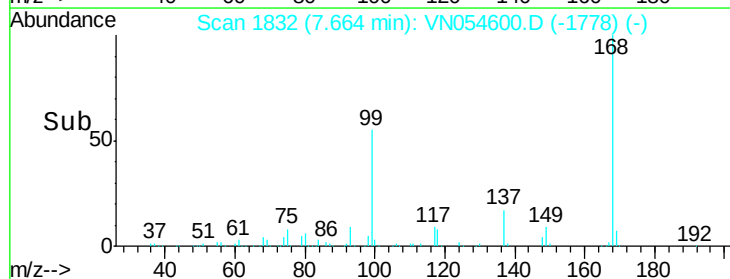
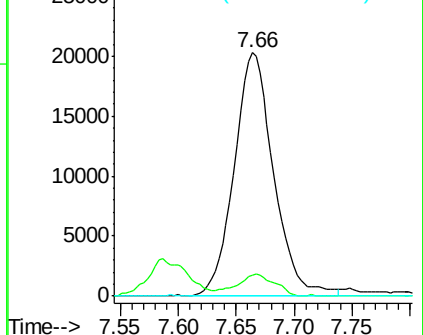
77 0.0 25.0 37.4#

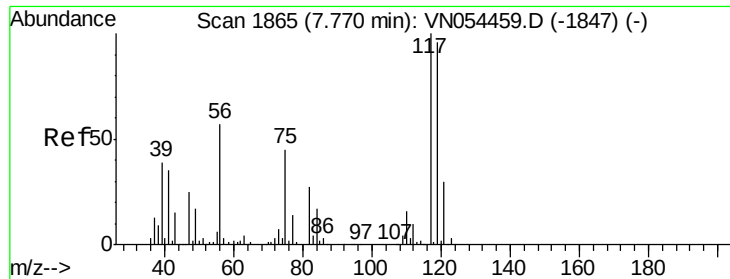


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.764 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.10 min

Lab File: VN054600.D

Acq: 23 Mar 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

TB-01-190318

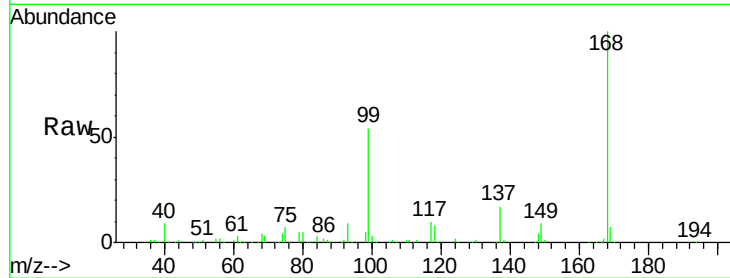
Tot Ion:117 Resp: 60420

Ion Ratio Lower Upper

117 100

119 5.0 76.3 114.5#

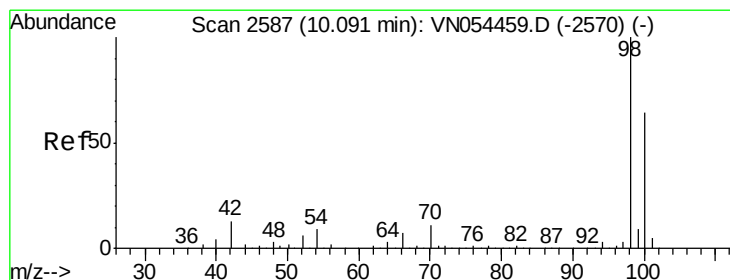
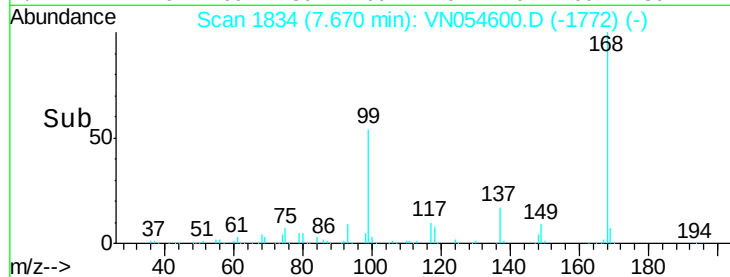
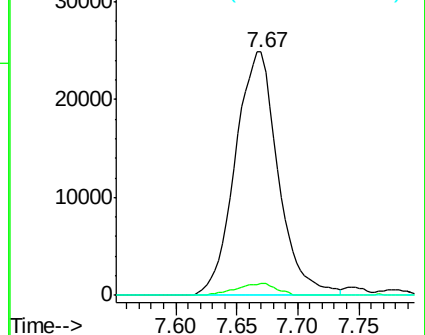
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 52.875 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054600.D

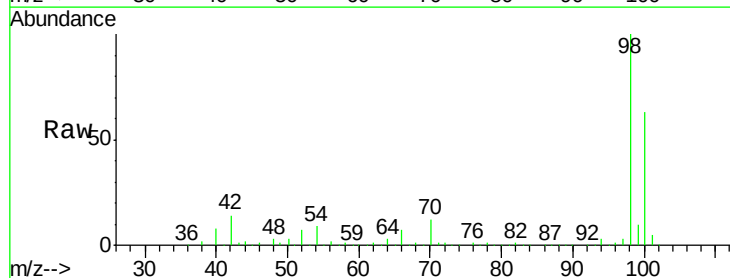
Acq: 23 Mar 2019 13:14

Tgt Ion: 98 Resp: 1258954

Ion Ratio Lower Upper

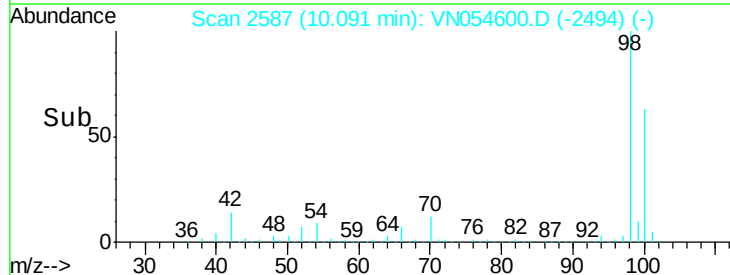
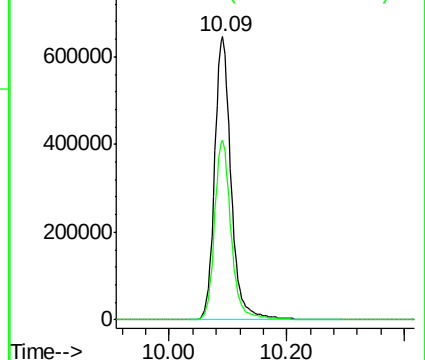
98 100

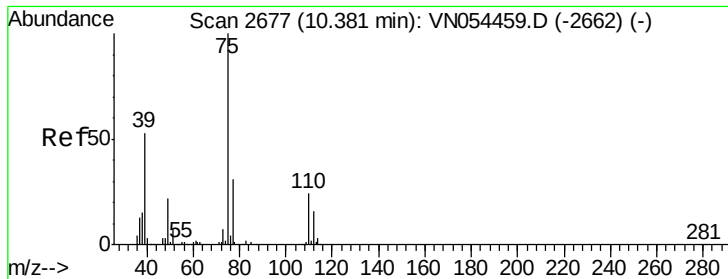
100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#53

t-1,3-Dichloropropene

Concen: 2.235 ug/l

RT: 10.11 min Scan# 2592

Delta R.T. -0.27 min

Lab File: VN054600.D

Acq: 23 Mar 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

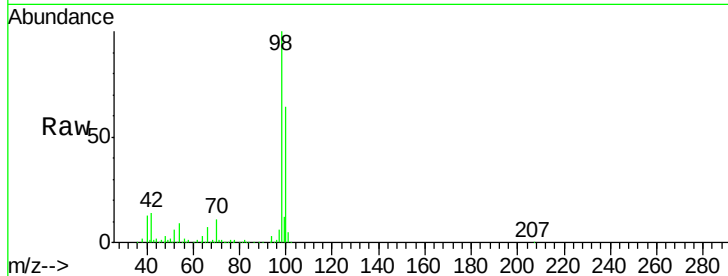
TB-01-190318

Tot Ion: 75 Resp: 29

Ion Ratio Lower Upper

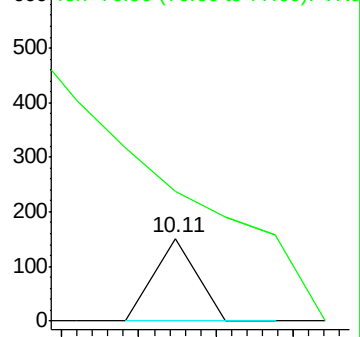
75 100

77 53.0 25.8 38.8#

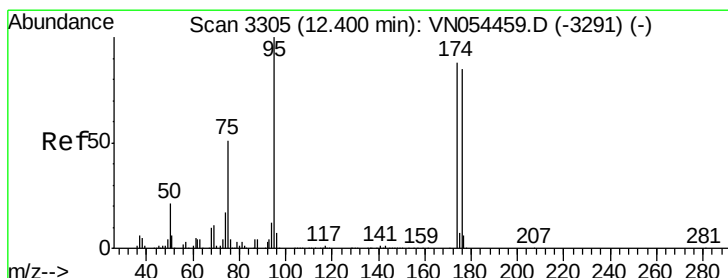
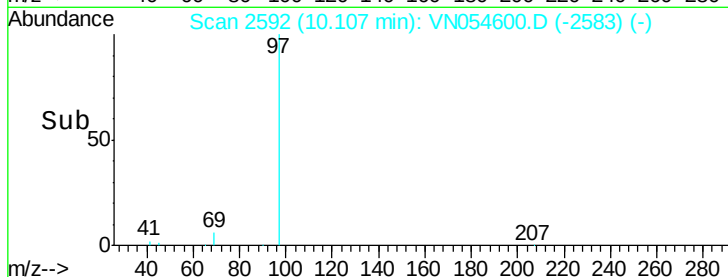


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->



#62

4-Bromofluorobenzene

Concen: 46.441 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054600.D

Acq: 23 Mar 2019 13:14

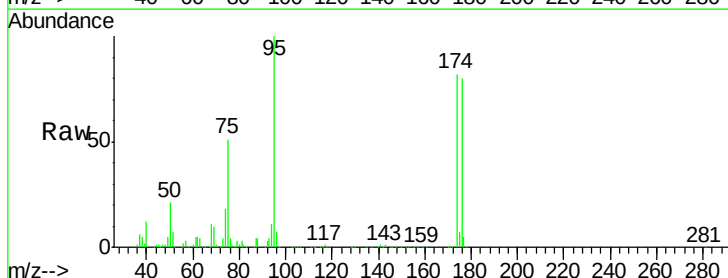
Tgt Ion: 95 Resp: 376273

Ion Ratio Lower Upper

95 100

174 82.7 0.0 191.0

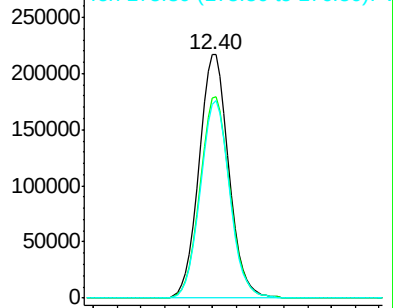
176 80.0 0.0 187.4



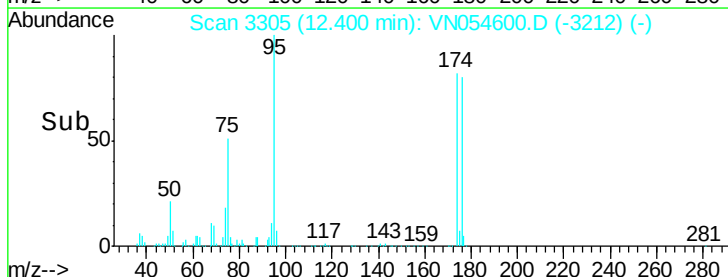
Abundance Ion 94.90 (94.60 to 95.60): VN0

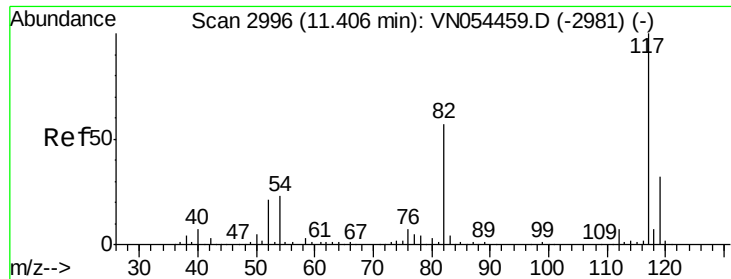
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

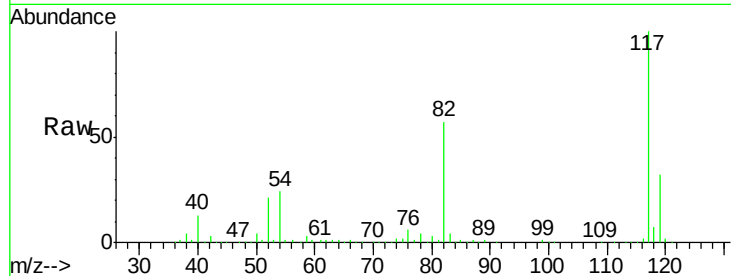




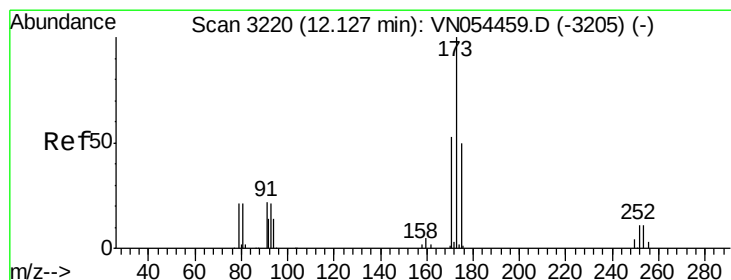
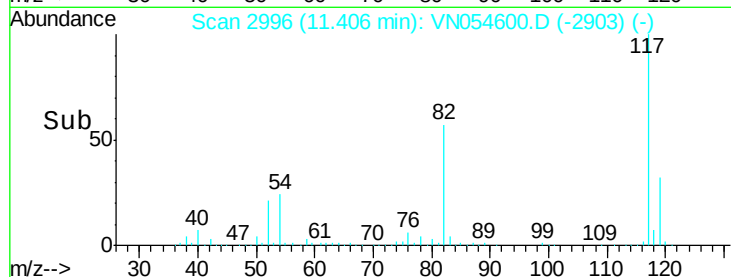
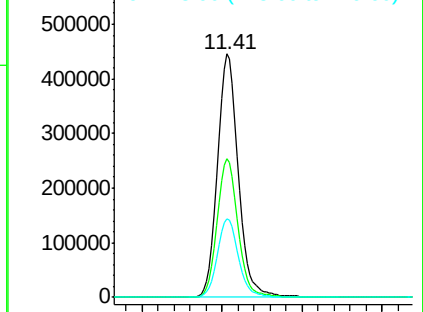
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054600.D
Acq: 23 Mar 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
TB-01-190318

Tot Ion:117 Resp: 809537
Ion Ratio Lower Upper
117 100
82 57.1 40.0 60.0
119 32.2 25.8 38.6

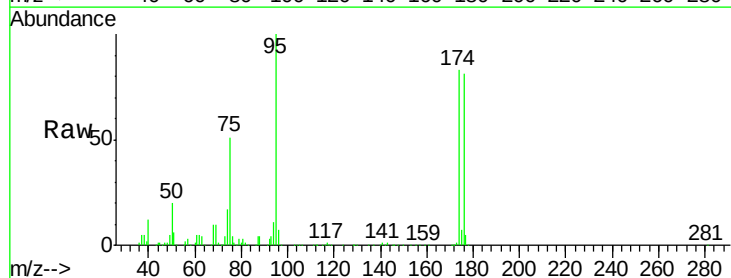


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

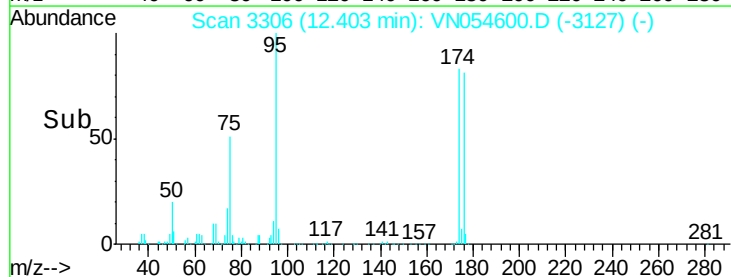
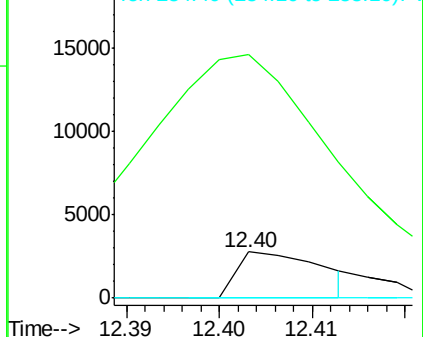


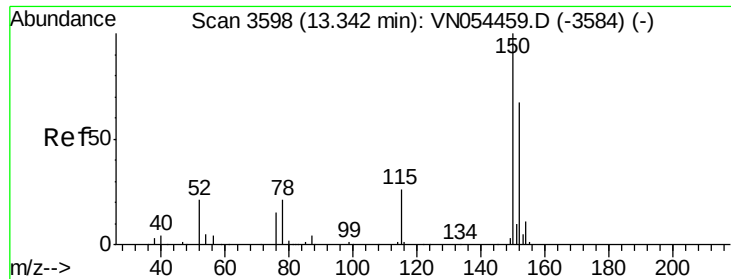
#71
Bromoform
Concen: 2.637 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054600.D
Acq: 23 Mar 2019 13:14

Tgt Ion:173 Resp: 1778
Ion Ratio Lower Upper
173 100
175 1142.0 24.4 73.2#
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



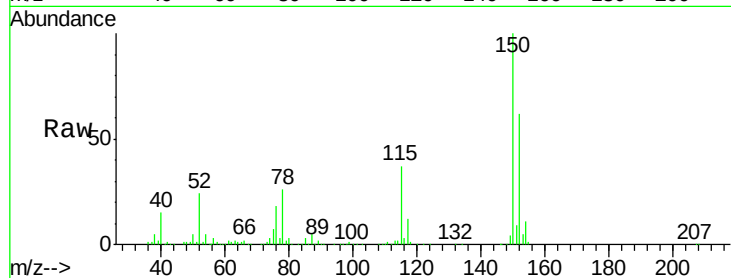


#72

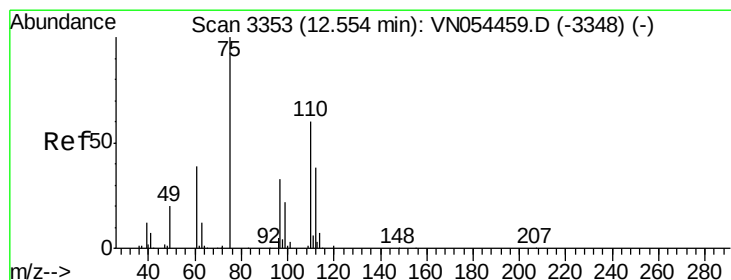
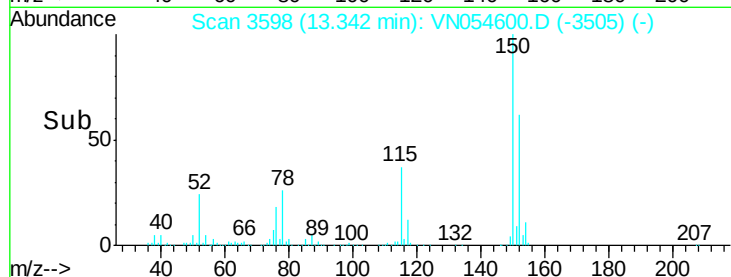
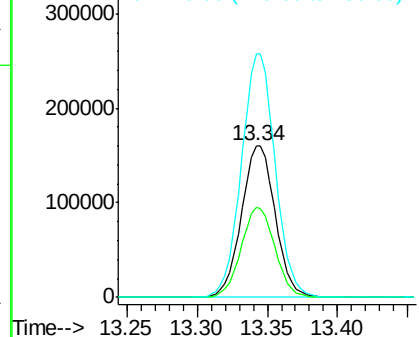
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054600.D
Acq: 23 Mar 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
TB-01-190318

Tot Ion:152 Resp: 269279
Ion Ratio Lower Upper
152 100
115 59.2 27.2 81.6
150 160.2 0.0 349.2



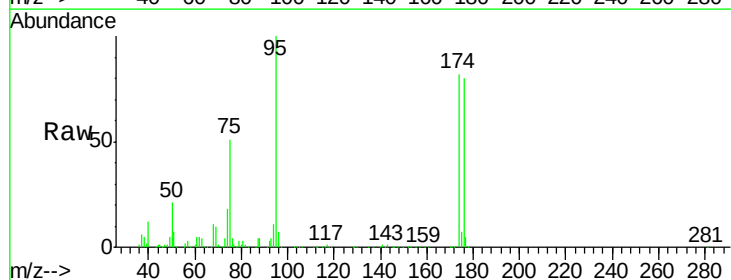
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



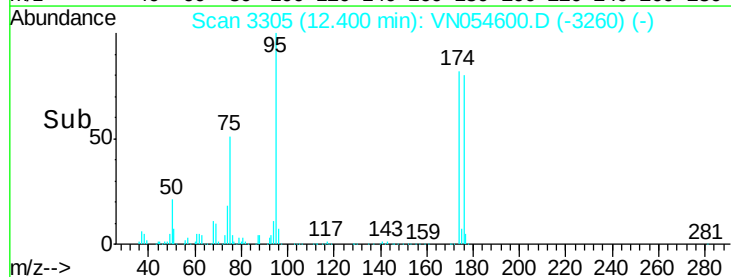
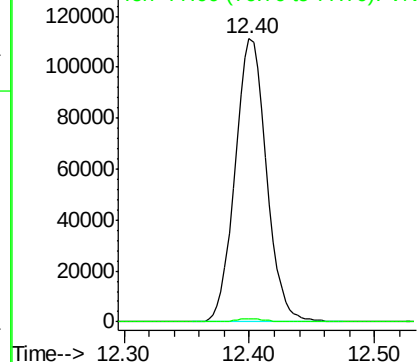
#76

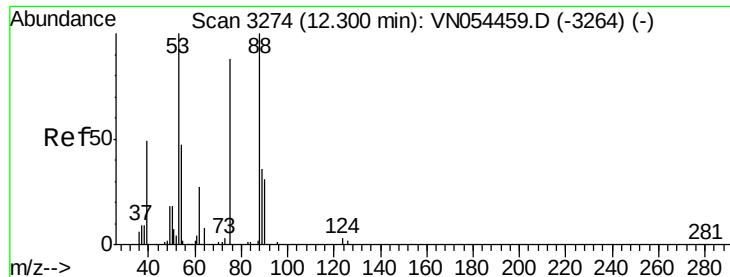
1,2,3-Trichloropropane
Concen: 45.125 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN054600.D
Acq: 23 Mar 2019 13:14

Tgt Ion: 75 Resp: 192821
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 148.865 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054600.D

Acq: 23 Mar 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

TB-01-190318

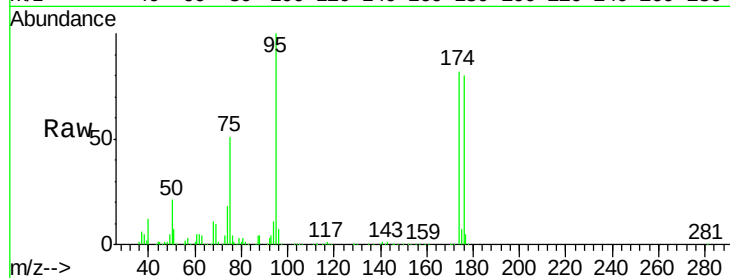
Tot Ion: 75 Resp: 192821

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



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

