

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020819\
 Data File : VN053681.D
 Acq On : 8 Feb 2019 15:04
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 09 02:36:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	831512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1357278	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1235478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	515841	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	422627	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
35) Dibromofluoromethane	7.59	113	420001	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
50) Toluene-d8	10.09	98	1625184	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
62) 4-Bromofluorobenzene	12.40	95	557581	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	

Target Compounds

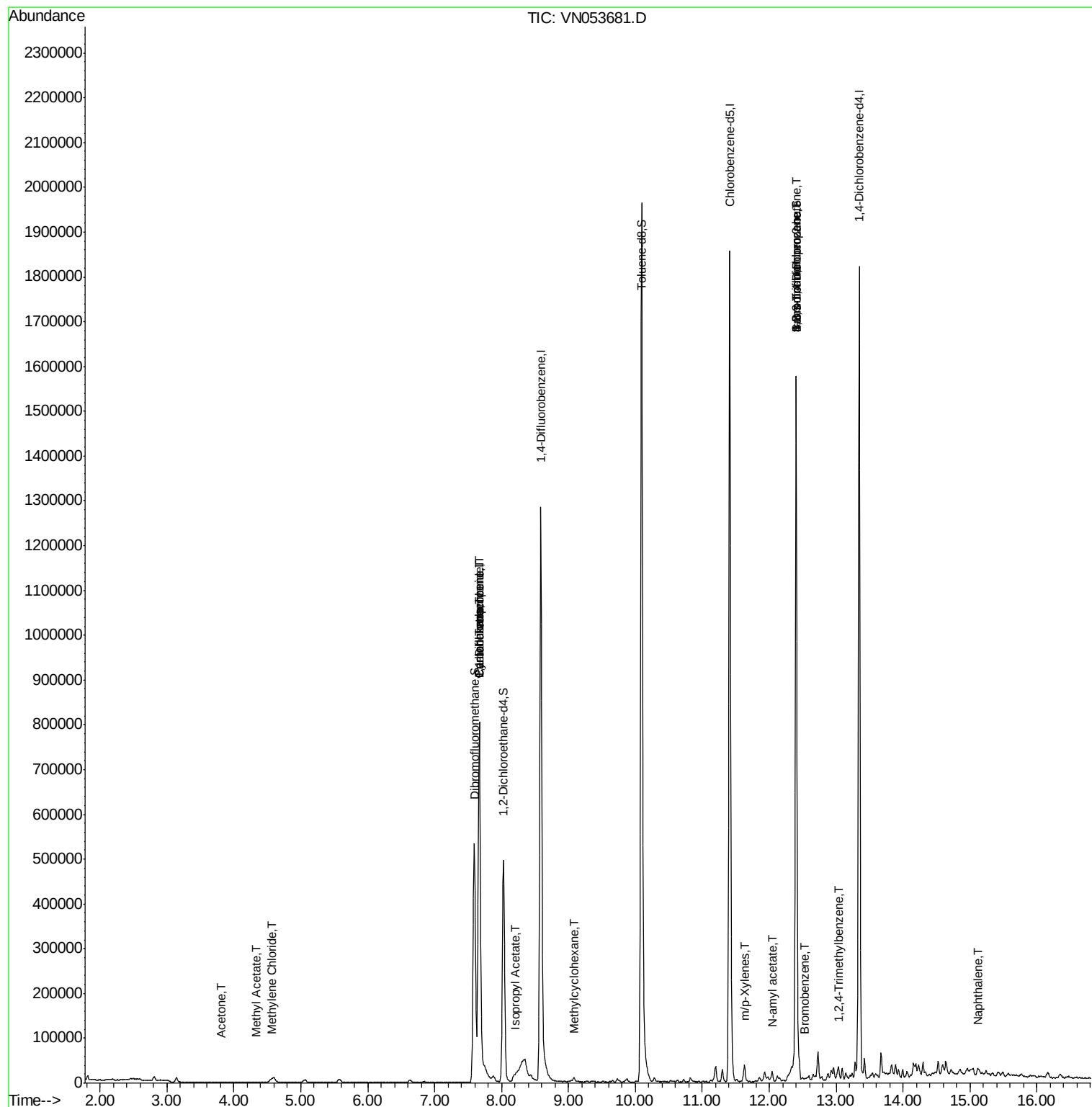
					Qvalue	
16) Acetone	3.81	43	466	0.218	ug/l #	41
18) Methyl Acetate	4.34	43	1713	0.270	ug/l #	58
20) Methylene Chloride	4.55	84	3075	0.343	ug/l	91
31) Cyclohexane	7.67	56	14109	0.834	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	47616	3.892	ug/l #	49
38) Carbon Tetrachloride	7.67	117	66160	5.368	ug/l #	15
39) Methylcyclohexane	9.08	83	3625	0.250	ug/l #	83
43) Isopropyl Acetate	8.20	43	11423	0.866	ug/l #	51
68) m/p-Xylenes	11.62	106	4490	0.273	ug/l	86
71) Bromoform	12.40	173	3878	0.617	ug/l #	1
74) N-amyl acetate	12.04	43	4580	0.525	ug/l #	58
76) 1,2,3-Trichloropropane	12.40	75	253158	38.209	ug/l #	100
77) Bromobenzene	12.53	156	2004	0.205	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.40	75	253158	107.440	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	11196	0.365	ug/l	98
95) Naphthalene	15.14	128	7499	2.056	ug/l #	88

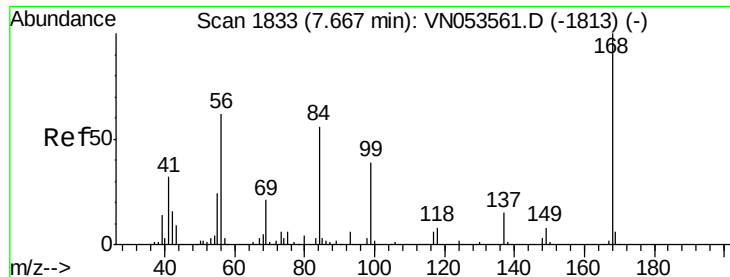
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 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: VN053681.D

Acq: 8 Feb 2019 15:04

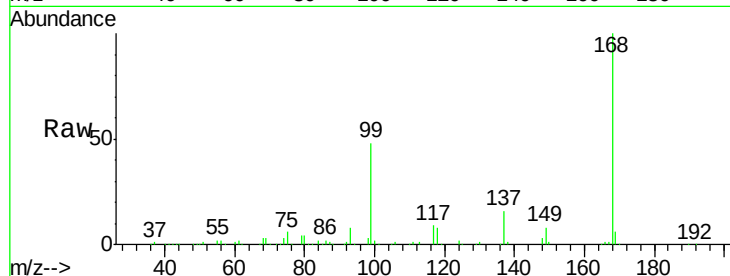
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 831512

Ion Ratio Lower Upper

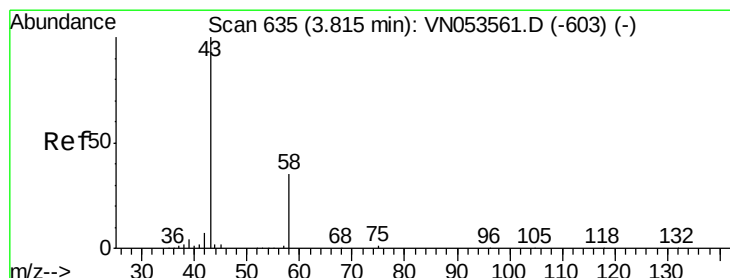
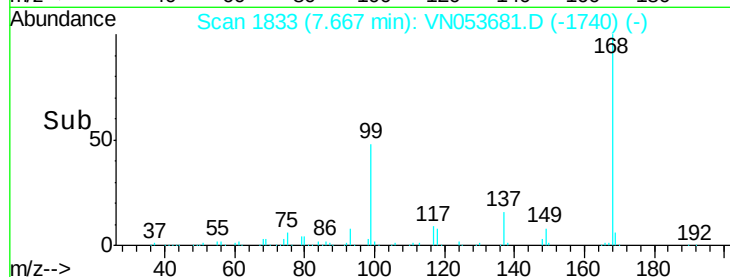
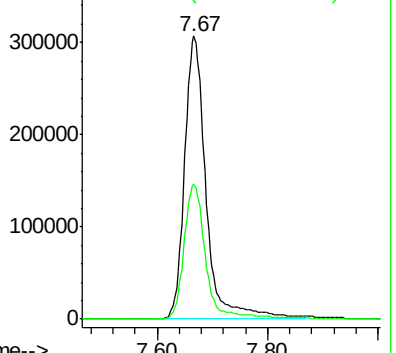
168 100

99 47.8 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 0.218 ug/l

RT: 3.81 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN053681.D

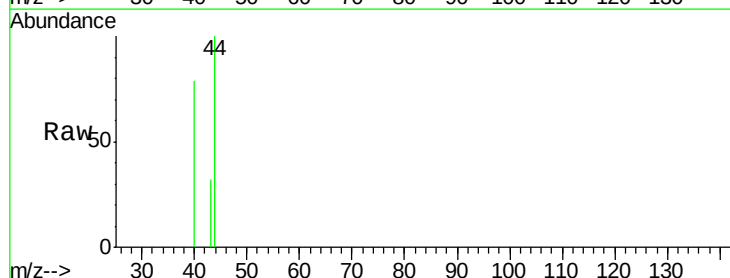
Acq: 8 Feb 2019 15:04

Tgt Ion: 43 Resp: 466

Ion Ratio Lower Upper

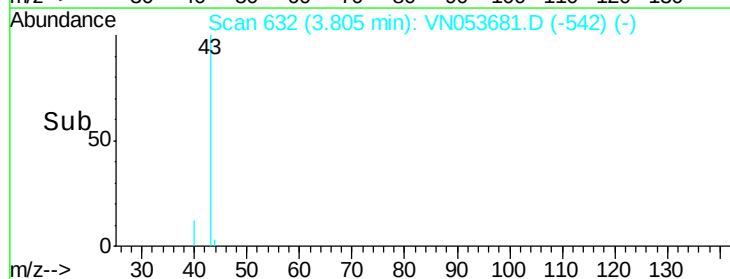
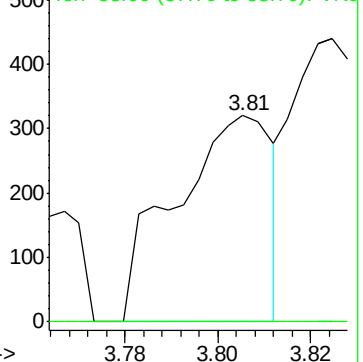
43 100

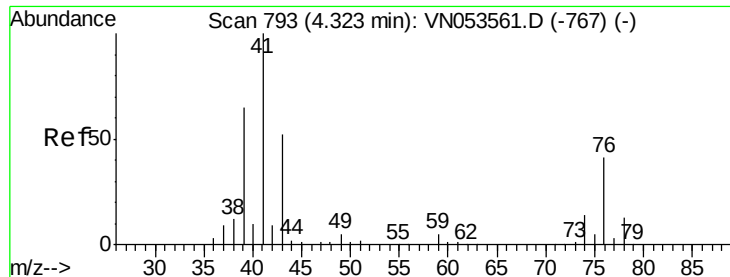
58 0.0 27.1 40.7#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#18

Methyl Acetate

Concen: 0.270 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN053681.D

Acq: 8 Feb 2019 15:04

Instrument :

MSVOA_N

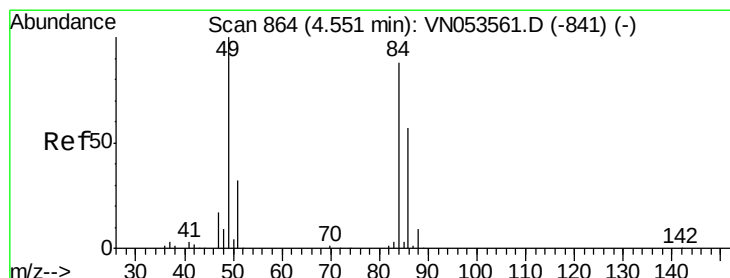
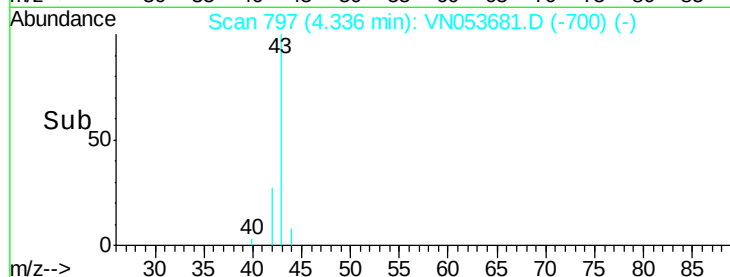
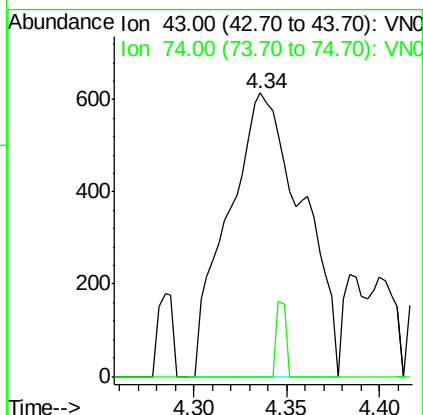
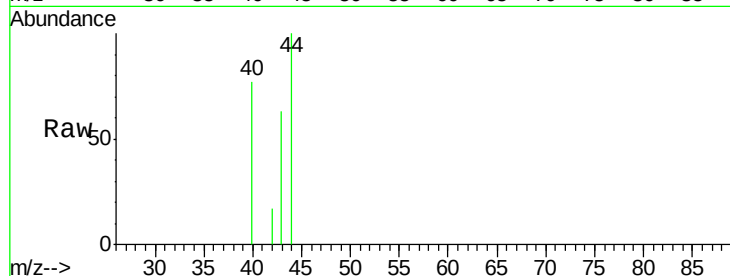
ClientSampled :

Tot Ion: 43 Resp: 1713

Ion Ratio Lower Upper

43 100

74 3.6 19.4 29.2#



#20

Methylene Chloride

Concen: 0.343 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN053681.D

Acq: 8 Feb 2019 15:04

Tgt Ion: 84 Resp: 3075

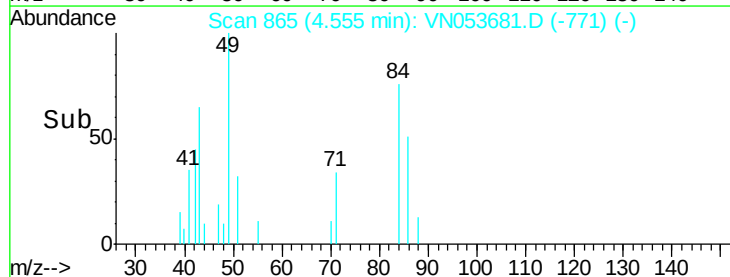
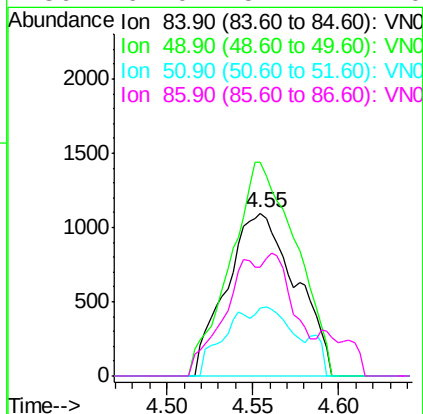
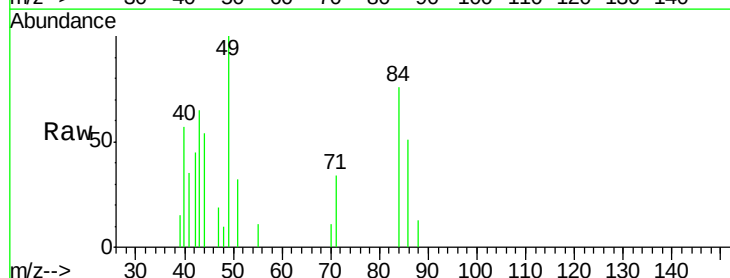
Ion Ratio Lower Upper

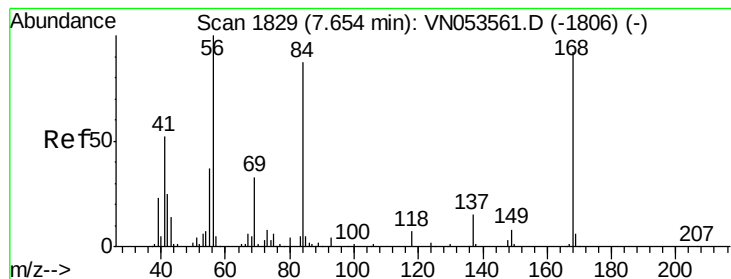
84 100

49 130.8 94.3 141.5

51 41.9 29.4 44.2

86 67.0 51.4 77.0





#31

Cyclohexane

Concen: 0.834 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.02 min

Lab File: VN053681.D

Acq: 8 Feb 2019 15:04

Instrument :

MSVOA_N

ClientSampled :

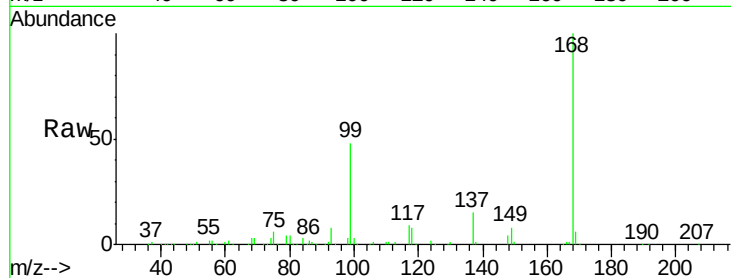
Tot Ion: 56 Resp: 14109

Ion Ratio Lower Upper

56 100

69 190.2 26.4 39.6#

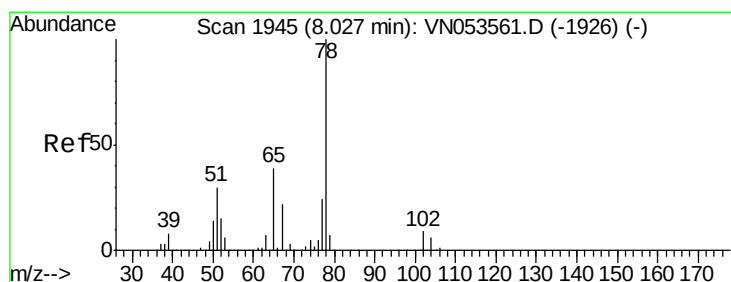
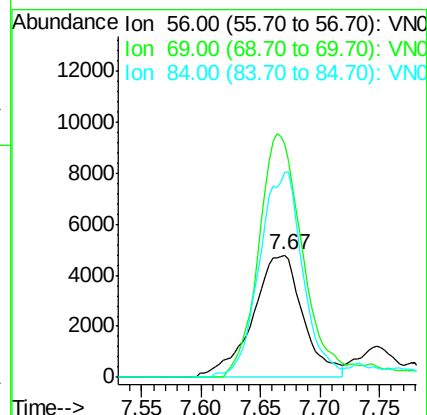
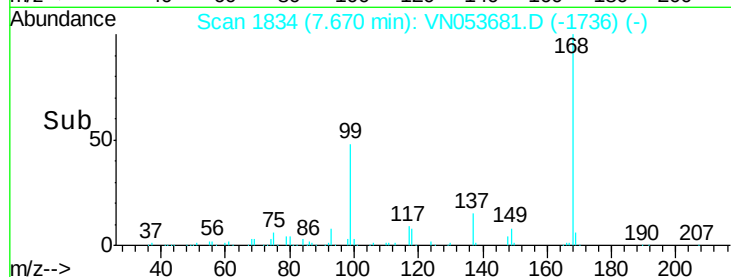
84 167.7 67.9 101.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN053681.D

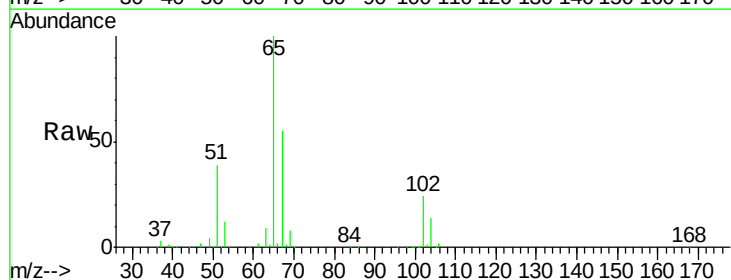
Acq: 8 Feb 2019 15:04

Tgt Ion: 65 Resp: 422627

Ion Ratio Lower Upper

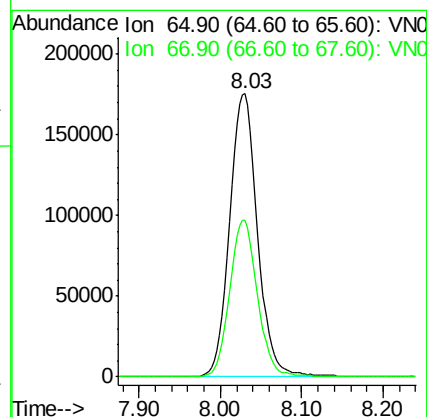
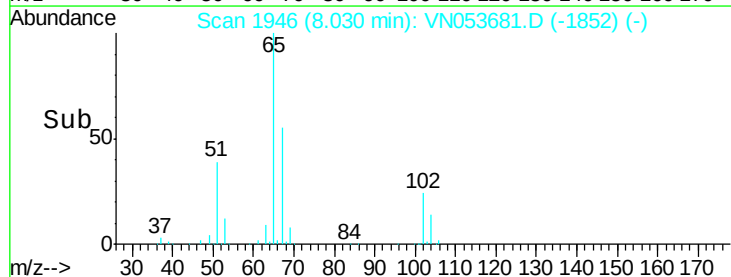
65 100

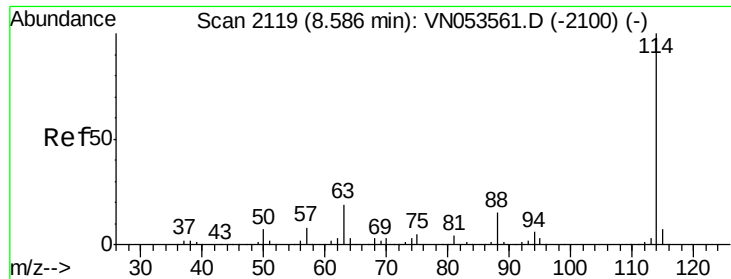
67 55.2 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053681.D

Acq: 8 Feb 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

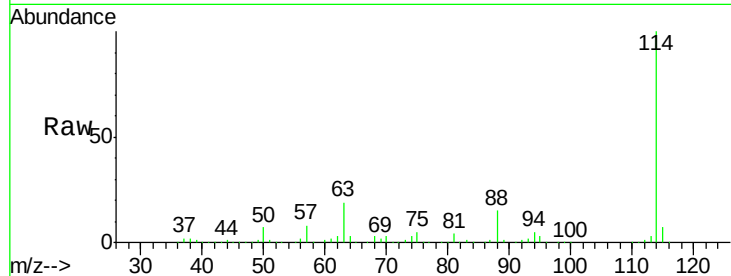
Tot Ion:114 Resp: 1357278

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.6

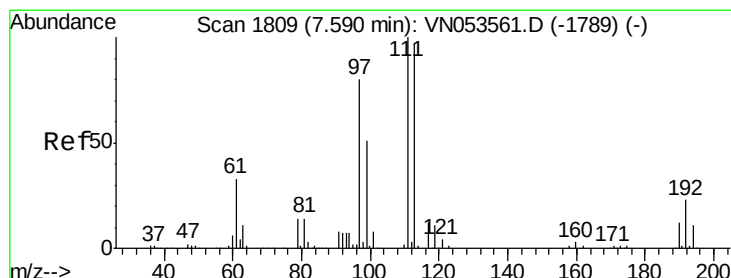
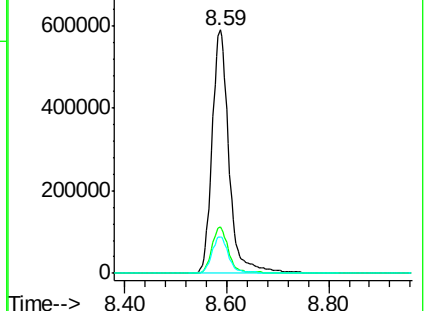
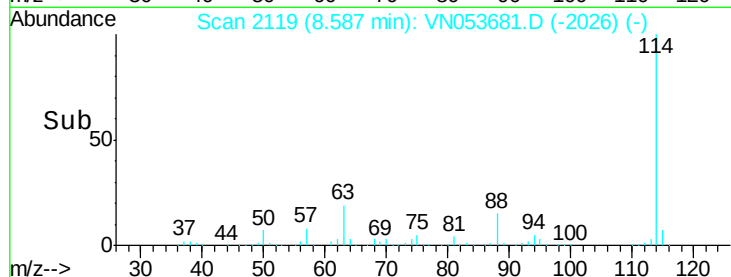
88 15.1 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053681.D

Acq: 8 Feb 2019 15:04

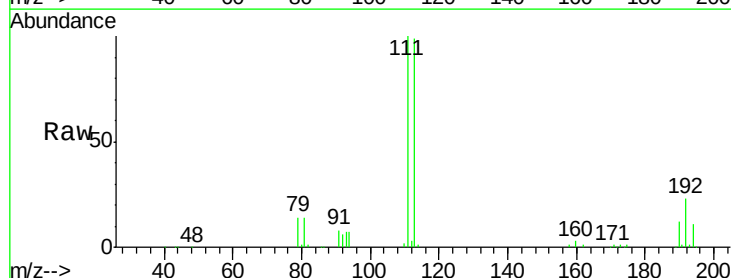
Tgt Ion:113 Resp: 420001

Ion Ratio Lower Upper

113 100

111 101.0 81.1 121.7

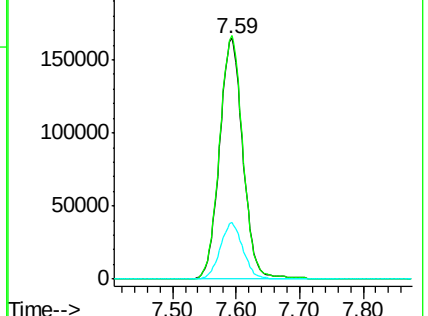
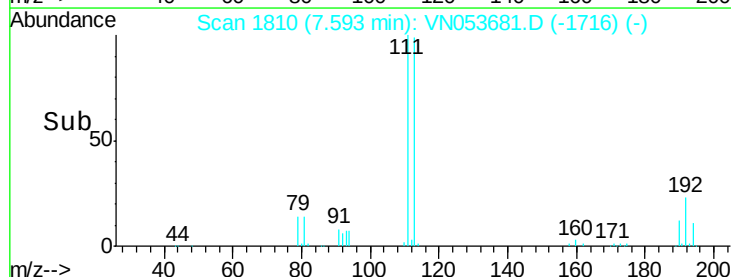
192 22.8 18.2 27.2

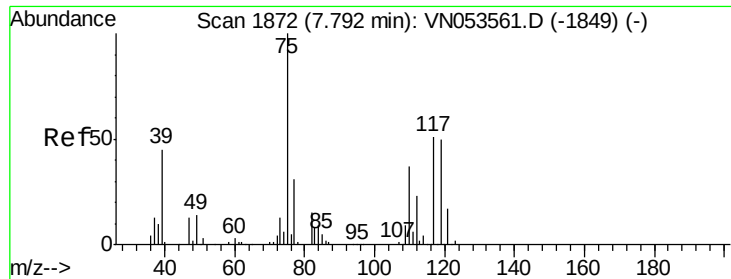


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

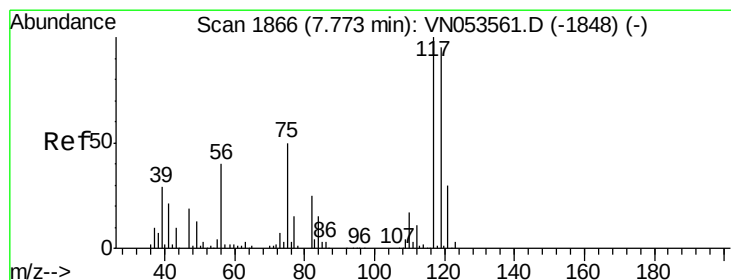
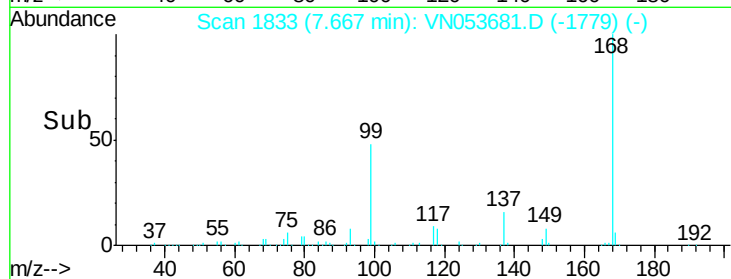
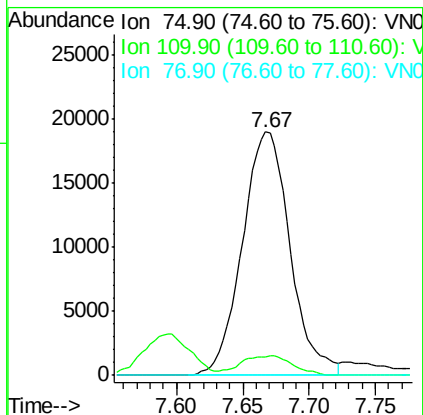
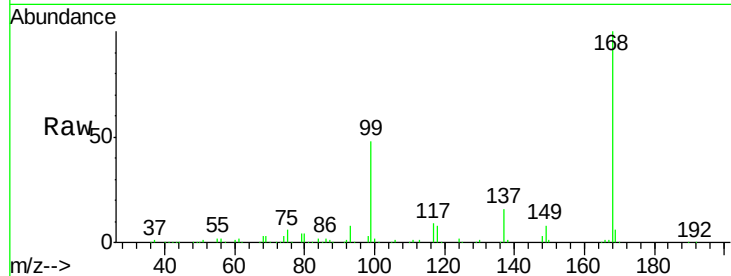




#36
 1,1-Dichloropropene
 Concen: 3.892 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053681.D
 Acq: 8 Feb 2019 15:04

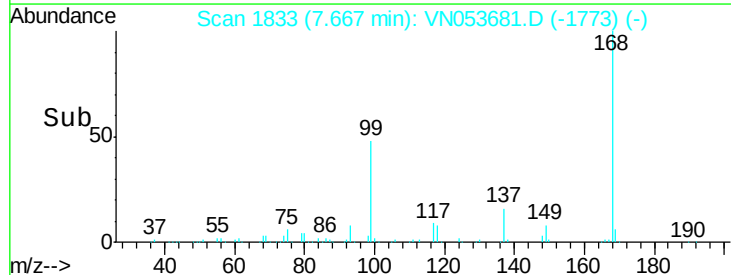
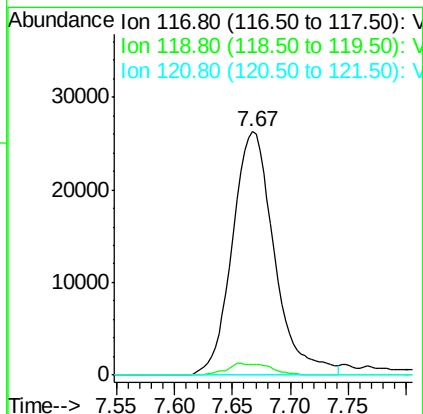
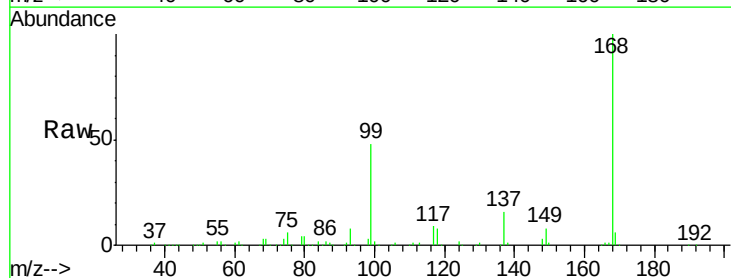
Instrument :
 MSVOA_N
 ClientSampled :

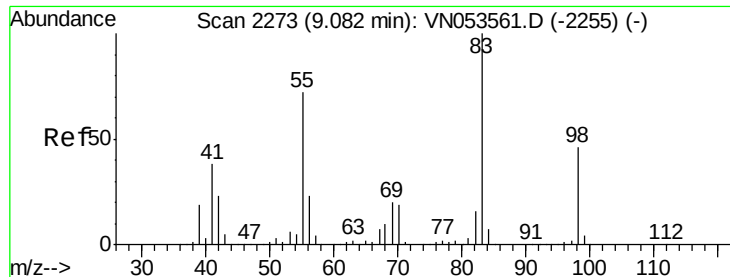
Tot Ion: 75 Resp: 47616
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.1 54.3#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.368 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053681.D
 Acq: 8 Feb 2019 15:04

Tgt Ion: 117 Resp: 66160
 Ion Ratio Lower Upper
 117 100
 119 4.5 77.2 115.8#
 121 0.0 24.6 37.0#

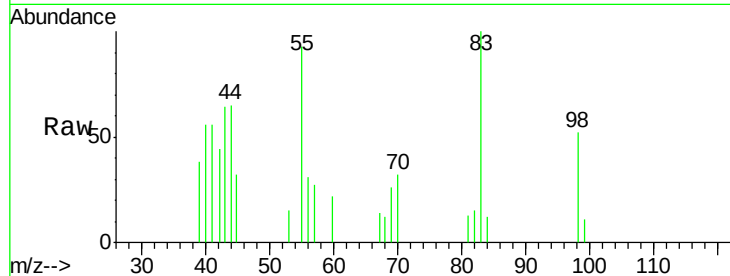




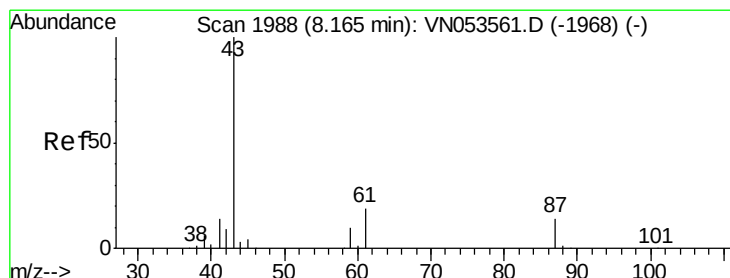
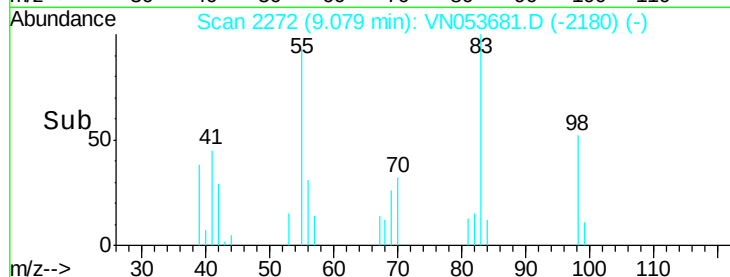
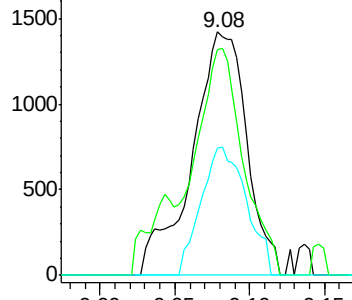
#39
Methylvlcyclohexane
Concen: 0.250 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053681.D
Acq: 8 Feb 2019 15:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 3625
Ion Ratio Lower Upper
83 100
55 92.7 60.1 90.1#
98 52.4 36.6 55.0

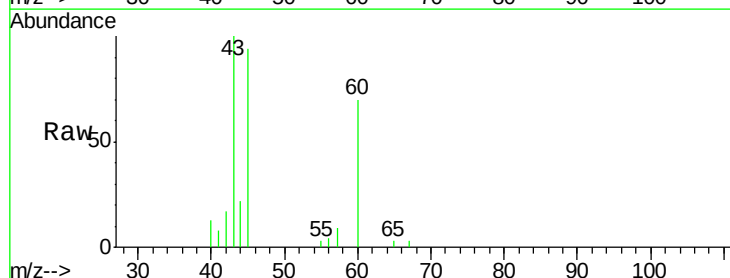


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

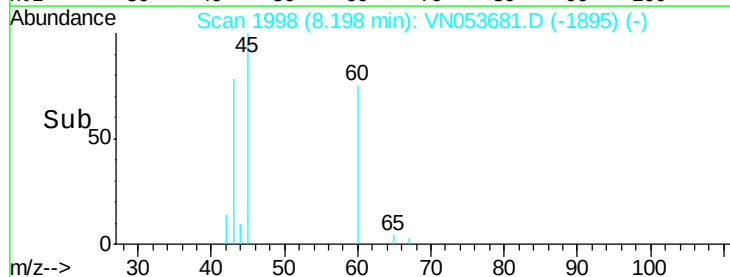
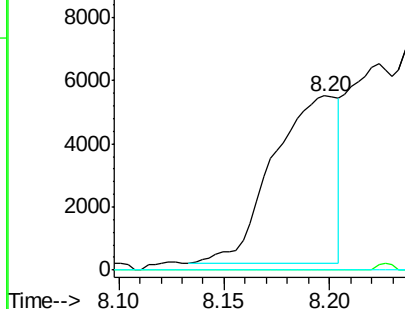


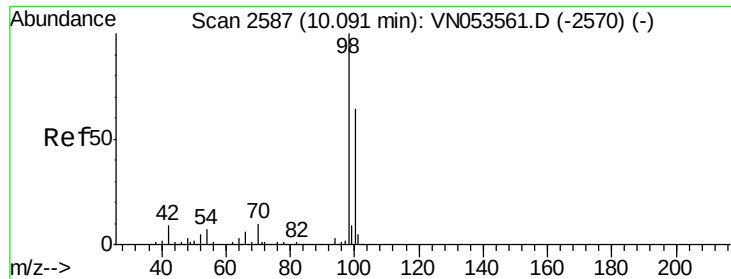
#43
Isopropyl Acetate
Concen: 0.866 ug/l
RT: 8.20 min Scan# 1998
Delta R.T. 0.03 min
Lab File: VN053681.D
Acq: 8 Feb 2019 15:04

Tgt Ion: 43 Resp: 11423
Ion Ratio Lower Upper
43 100
61 0.0 23.9 35.9#
87 0.0 11.0 16.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053681.D

Acq: 8 Feb 2019 15:04

Instrument :

MSVOA_N

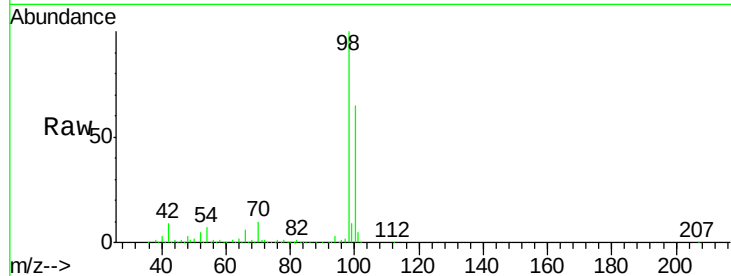
ClientSampleId :

Tot Ion: 98 Resp: 1625184

Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053561.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053561.D (-2570) (-)

10.09

800000

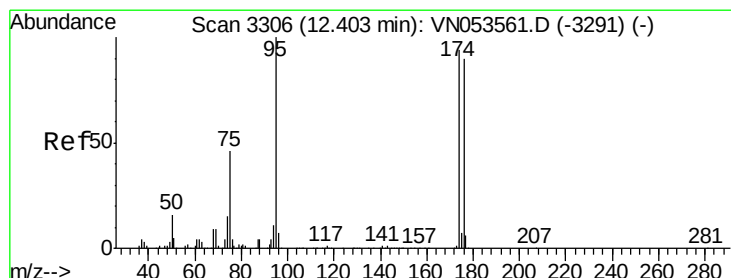
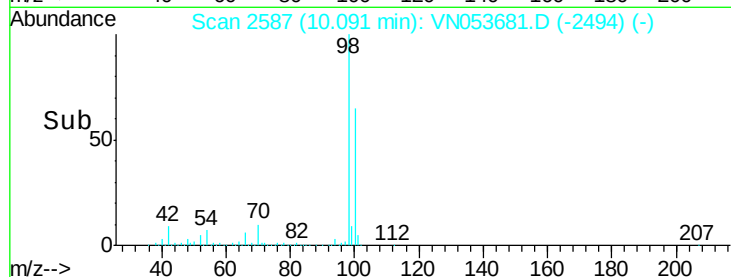
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053681.D

Acq: 8 Feb 2019 15:04

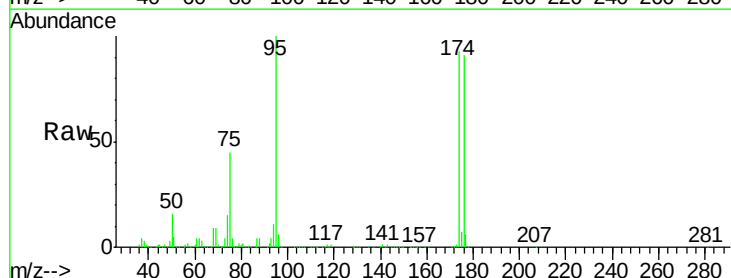
Tgt Ion: 95 Resp: 557581

Ion Ratio Lower Upper

95 100

174 92.3 0.0 183.2

176 89.1 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053561.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053561.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053561.D (-3291) (-)

12.40

400000

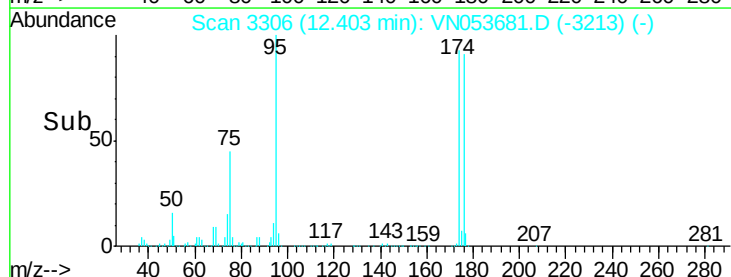
300000

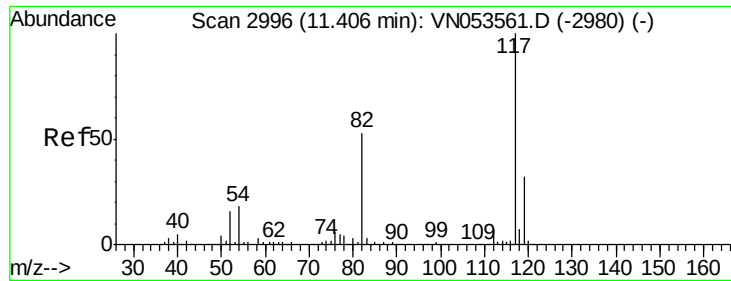
200000

100000

0

Time-->

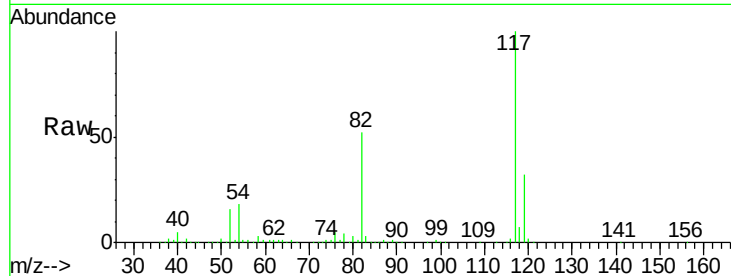




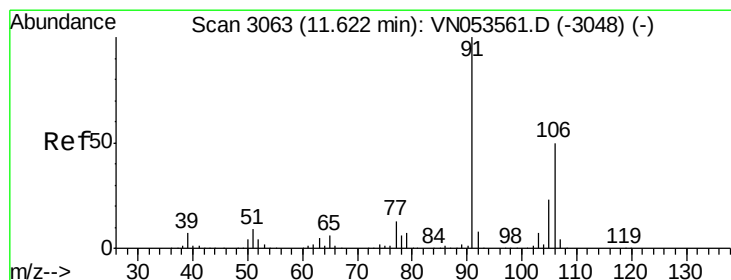
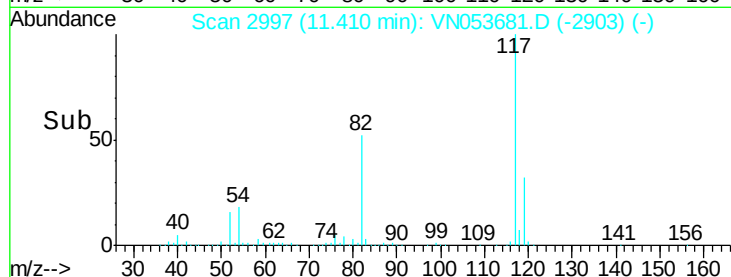
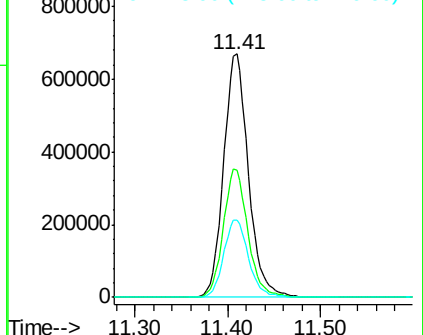
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053681.D
Acq: 8 Feb 2019 15:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1235478
Ion Ratio Lower Upper
117 100
82 52.2 42.9 64.3
119 31.9 26.0 39.0

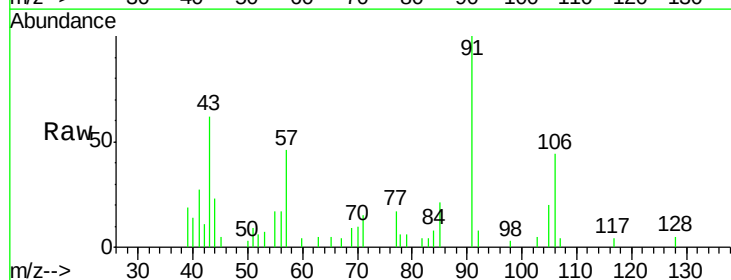


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

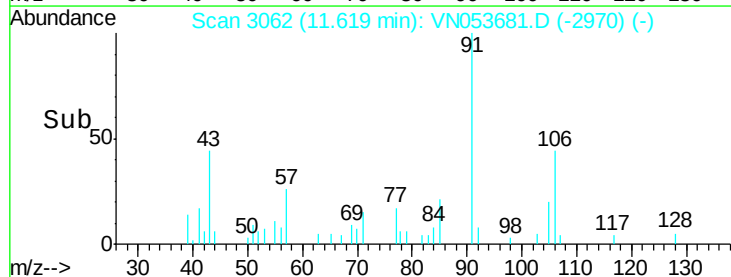
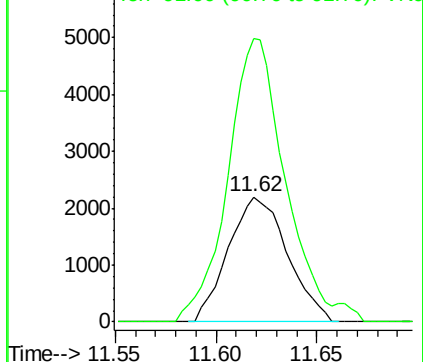


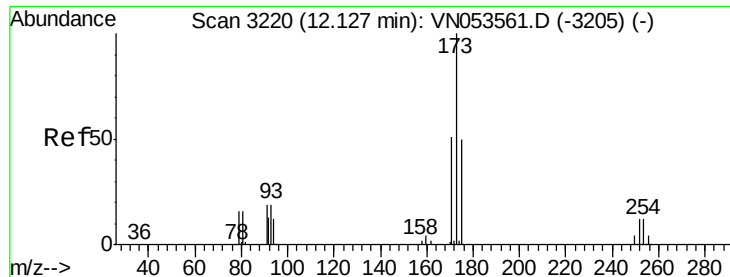
#68
m/p-Xylenes
Concen: 0.273 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053681.D
Acq: 8 Feb 2019 15:04

Tgt Ion:106 Resp: 4490
Ion Ratio Lower Upper
106 100
91 222.4 161.4 242.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

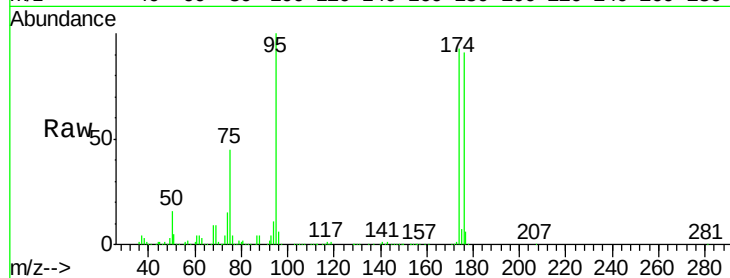




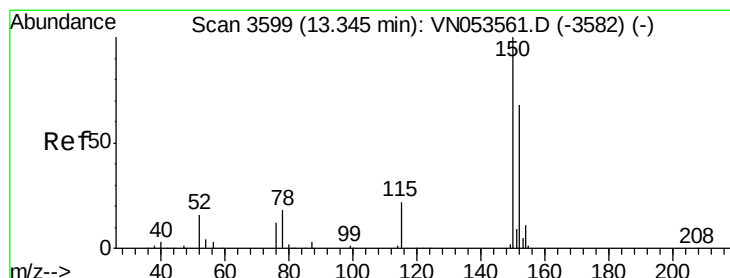
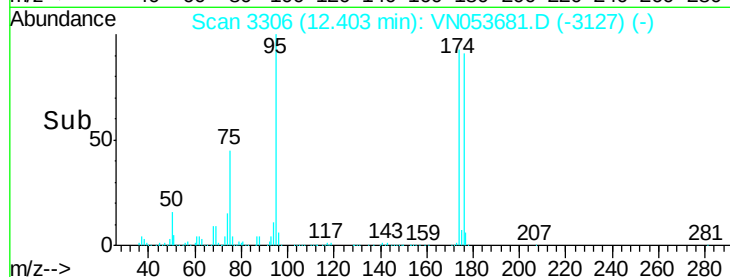
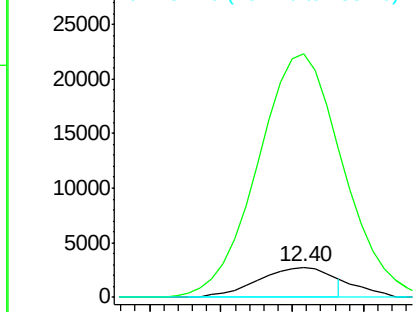
#71
Bromoform
Concen: 0.617 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053681.D
Acq: 8 Feb 2019 15:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 3878
Ion Ratio Lower Upper
173 100
175 818.8 24.6 74.0#
254 0.0 0.2 0.2#

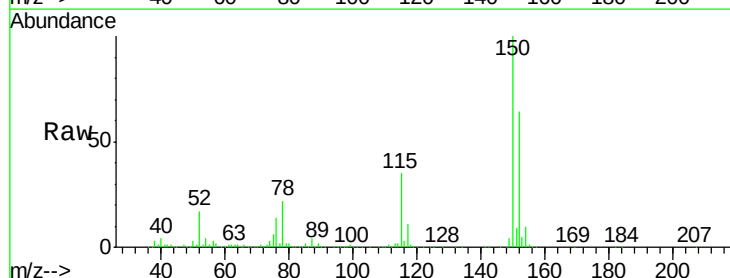


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

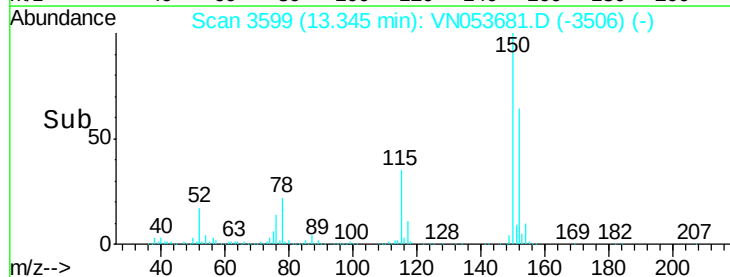
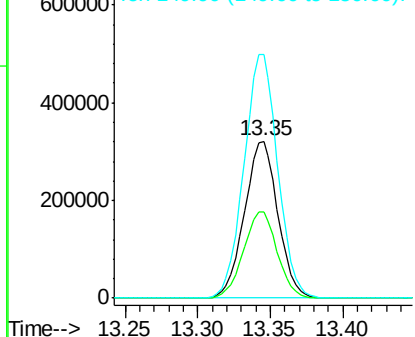


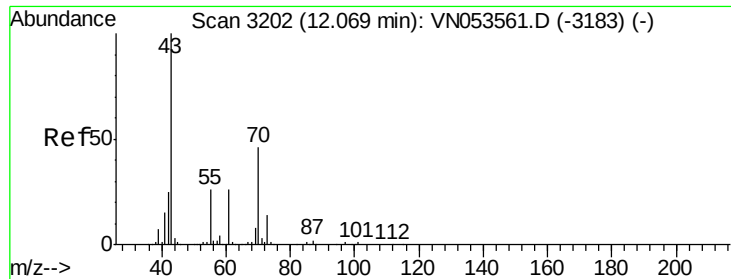
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053681.D
Acq: 8 Feb 2019 15:04

Tgt Ion:152 Resp: 515841
Ion Ratio Lower Upper
152 100
115 55.5 27.8 83.4
150 156.6 0.0 349.0



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





#74

N-amvl acetate

Concen: 0.525 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN053681.D

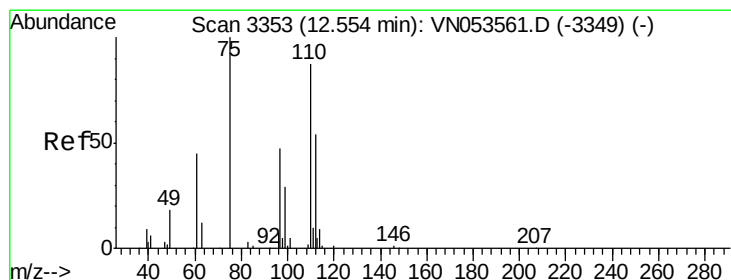
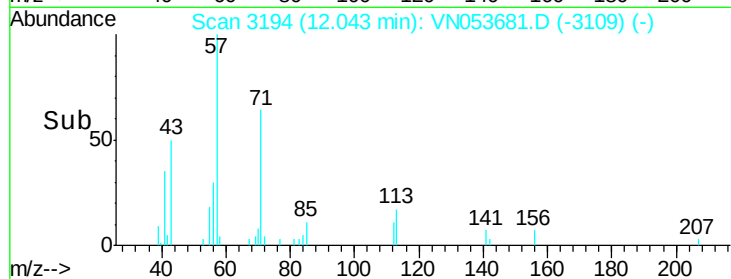
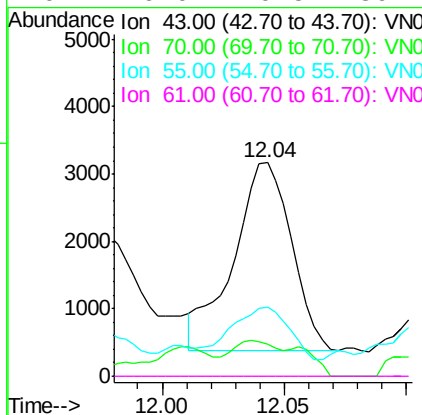
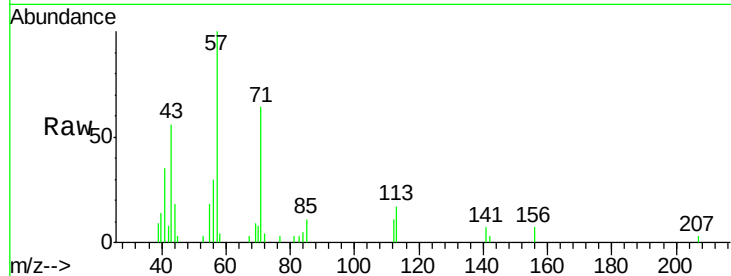
Acq: 8 Feb 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	43	Resp:	4580
Ion	Ratio	Lower	Upper
43	100		
70	5.6	35.4	53.2#
55	27.8	20.9	31.3
61	0.0	20.5	30.7#



#76

1,2,3-Trichloropropane

Concen: 38.209 ug/l

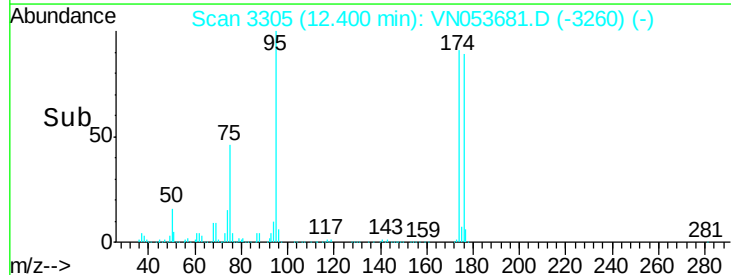
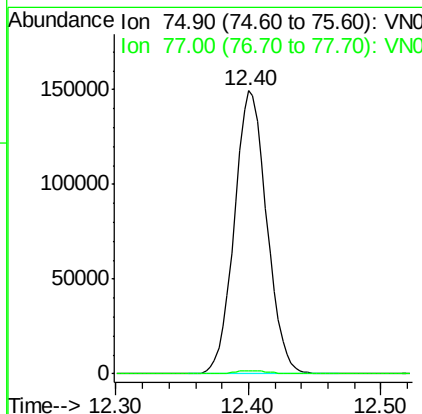
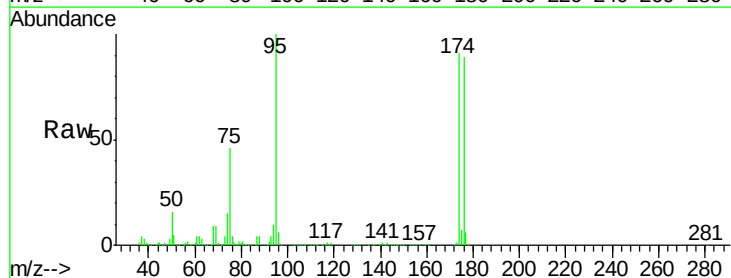
RT: 12.40 min Scan# 3305

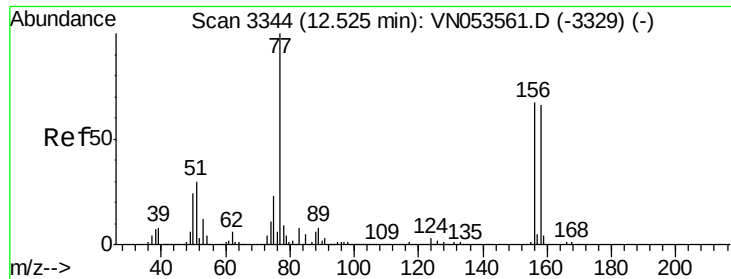
Delta R.T. -0.15 min

Lab File: VN053681.D

Acq: 8 Feb 2019 15:04

Tgt Ion:	75	Resp:	253158
Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#





#77

Bromobenzene

Concen: 0.205 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053681.D

Acq: 8 Feb 2019 15:04

Instrument :

MSVOA_N

ClientSampled :

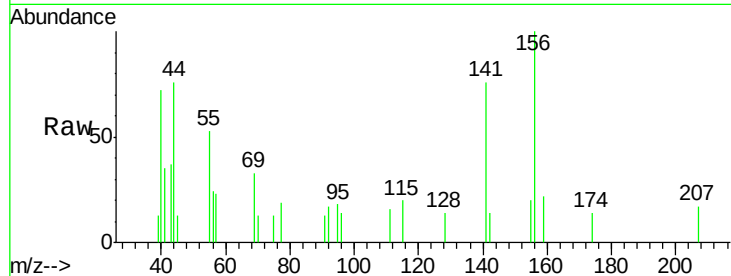
Tot Ion:156 Resp: 2004

Ion Ratio Lower Upper

156 100

77 21.3 87.9 263.8#

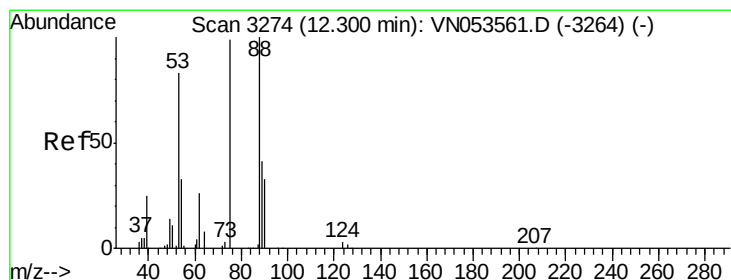
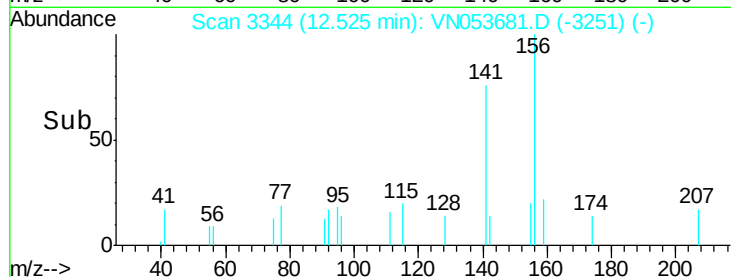
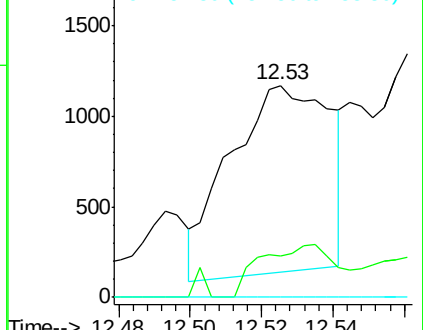
158 0.0 48.8 146.4#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 107.440 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053681.D

Acq: 8 Feb 2019 15:04

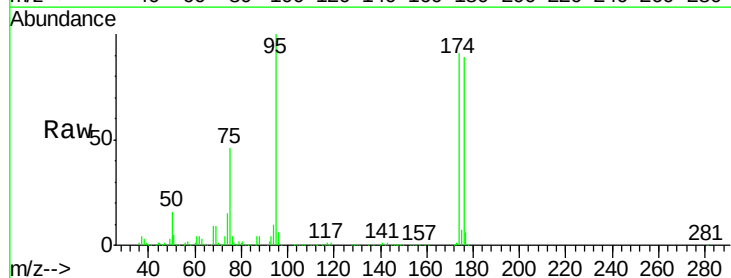
Tgt Ion: 75 Resp: 253158

Ion Ratio Lower Upper

75 100

53 0.1 69.8 104.6#

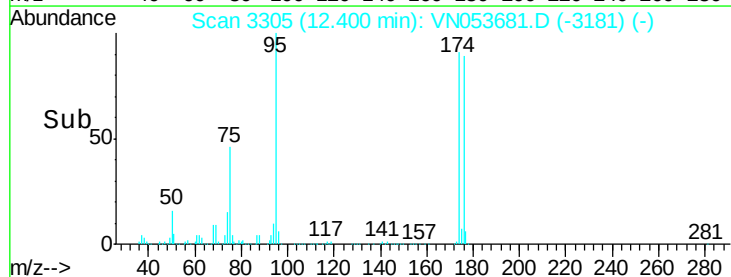
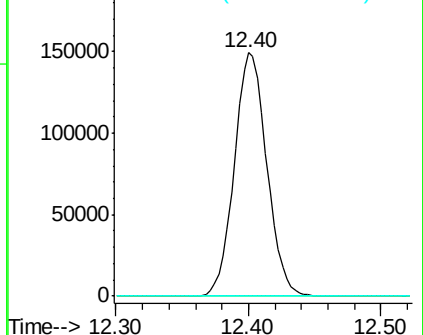
89 0.0 35.6 53.4#

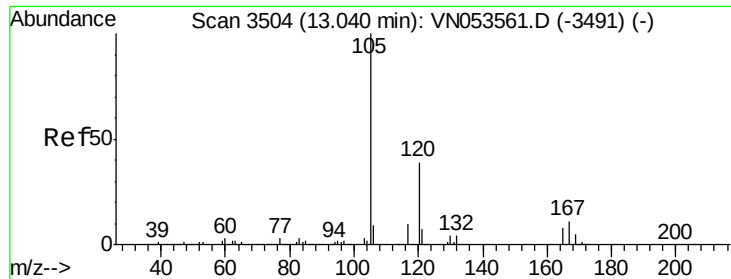


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 0.365 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053681.D

Acq: 8 Feb 2019 15:04

Instrument :

MSVOA_N

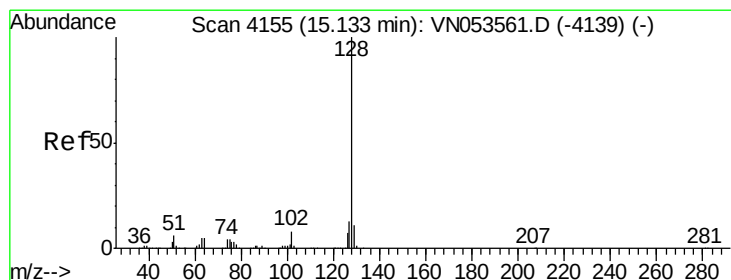
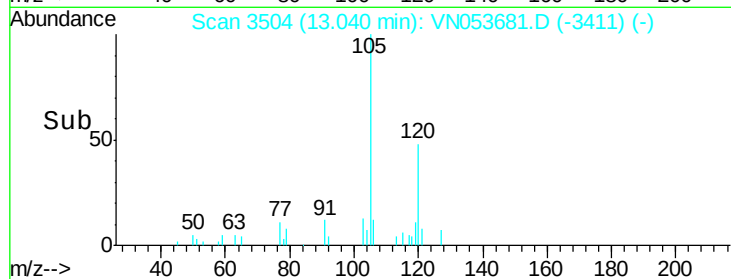
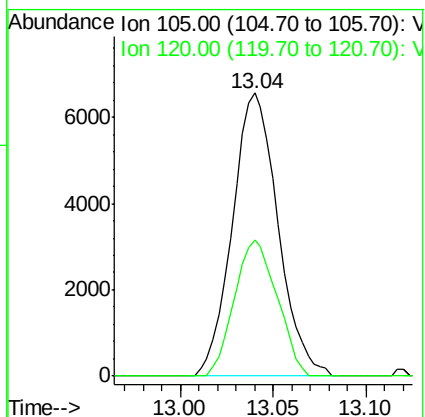
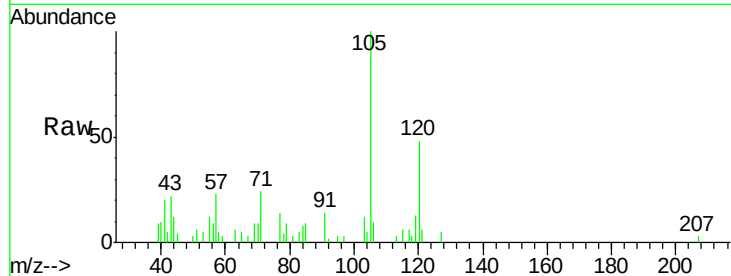
ClientSampleId :

Tot Ion:105 Resp: 11196

Ion Ratio Lower Upper

105 100

120 44.8 23.0 69.0



#95

Naphthalene

Concen: 2.056 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053681.D

Acq: 8 Feb 2019 15:04

Tgt Ion:128 Resp: 7499

Ion Ratio Lower Upper

128 100

127 18.3 10.3 15.5#

129 7.2 8.6 13.0#

