

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011519\
 Data File : VN053403.D
 Acq On : 15 Jan 2019 13:07
 Operator : JC/SP
 Sample : VN0115WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBL01

Quant Time: Jan 16 03:38:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 15 11:52:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	933229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1431007	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1303973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	542416	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	455870	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
35) Dibromofluoromethane	7.59	113	426694	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
50) Toluene-d8	10.09	98	1766616	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
62) 4-Bromofluorobenzene	12.40	95	591168	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	

Target Compounds

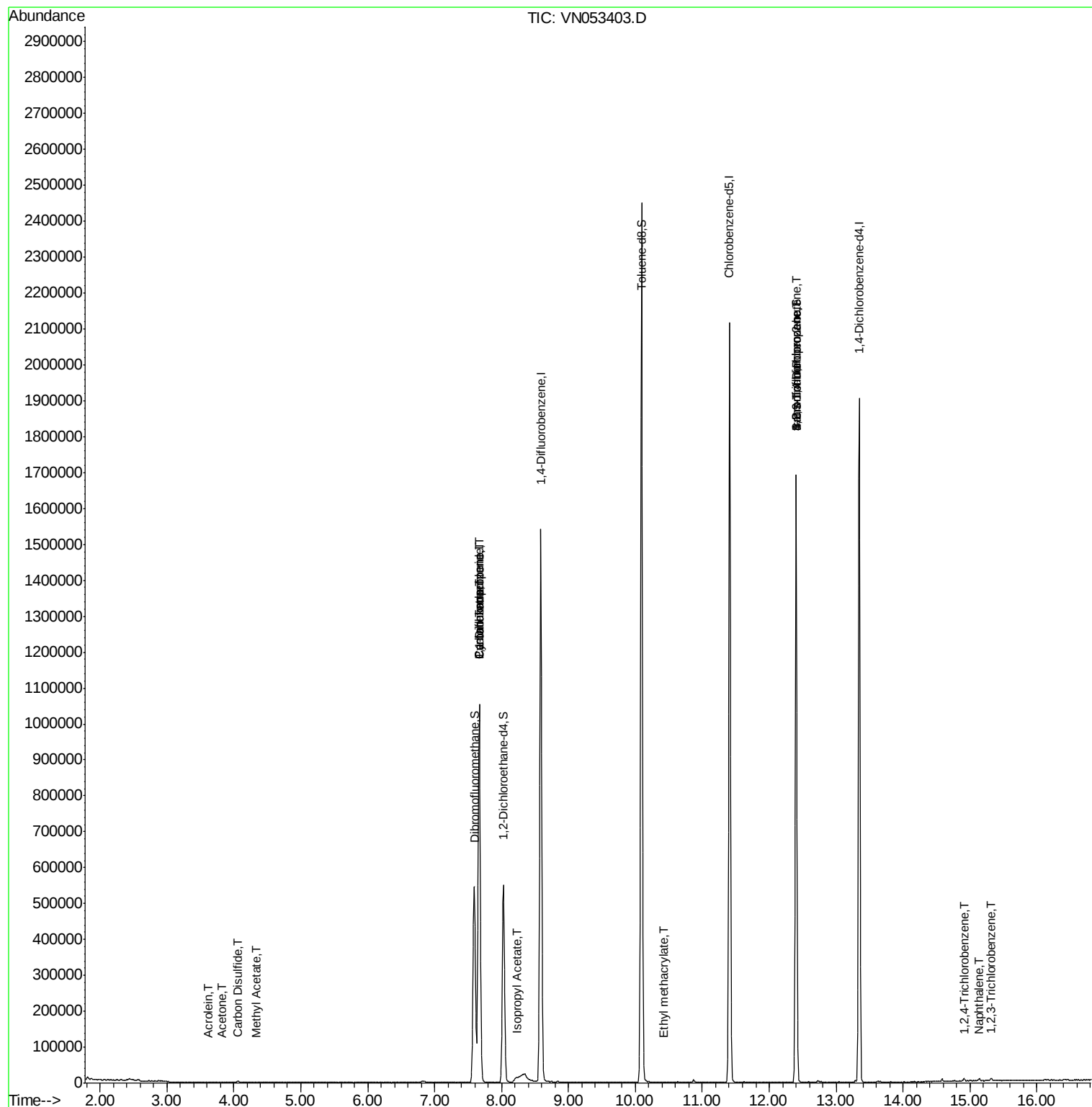
						Qvalue
13) Acrolein	3.62	56	706	23.466	ug/l	91
16) Acetone	3.82	43	918	0.424	ug/l	96
17) Carbon Disulfide	4.06	76	7596	0.302	ug/l #	94
18) Methyl Acetate	4.33	43	1611	0.221	ug/l #	80
31) Cyclohexane	7.67	56	14846	0.695	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	59498	4.565	ug/l #	49
38) Carbon Tetrachloride	7.66	117	80867	6.554	ug/l #	16
43) Isopropyl Acetate	8.22	43	13488	0.958	ug/l #	52
56) Ethyl methacrylate	10.43	69	30	2.060	ug/l #	28
71) Bromoform	12.40	173	4209	0.637	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	272549	39.909	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	272549	94.140	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.91	180	3023	3.148	ug/l	96
95) Naphthalene	15.14	128	5984	4.359	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	3352	4.469	ug/l	97

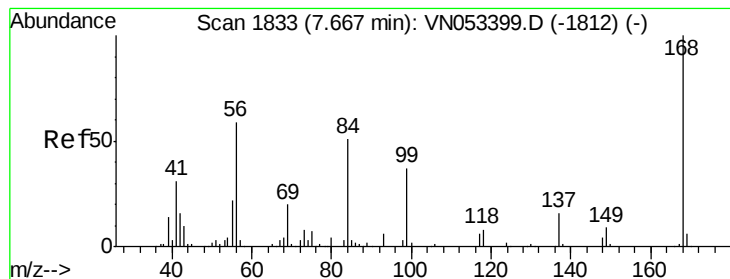
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053403.D

Acq: 15 Jan 2019 13:07

Instrument :

MSVOA_N

ClientSampleId :

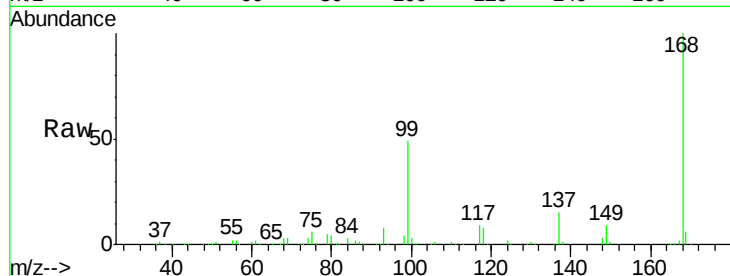
VN0115WBL01

Tot Ion:168 Resp: 933229

Ion Ratio Lower Upper

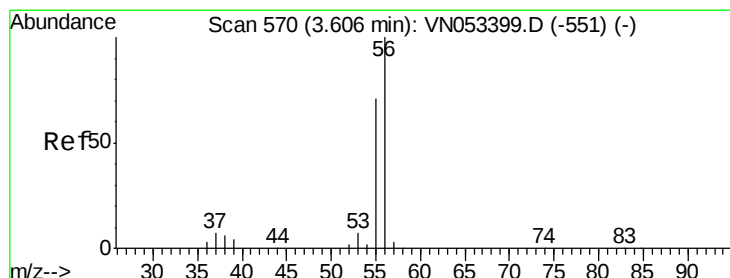
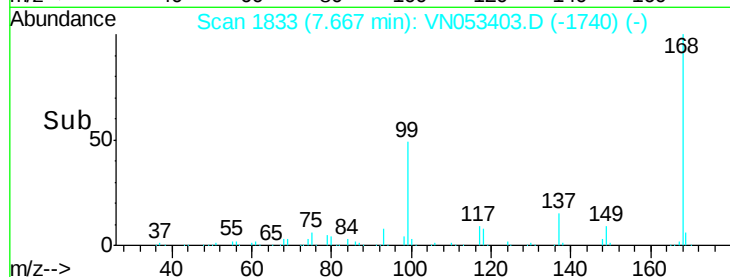
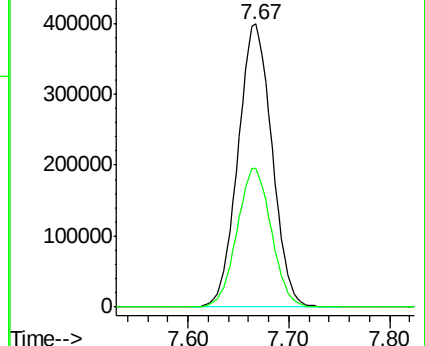
168 100

99 48.9 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#13

Acrolein

Concen: 23.466 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN053403.D

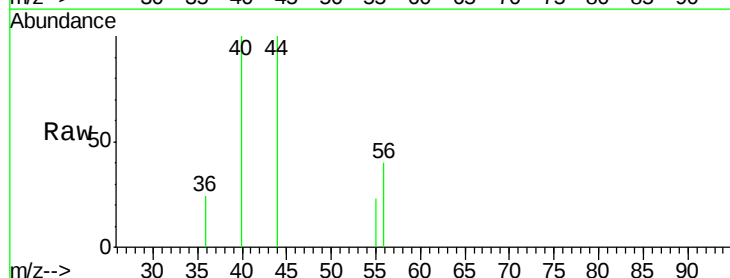
Acq: 15 Jan 2019 13:07

Tgt Ion: 56 Resp: 706

Ion Ratio Lower Upper

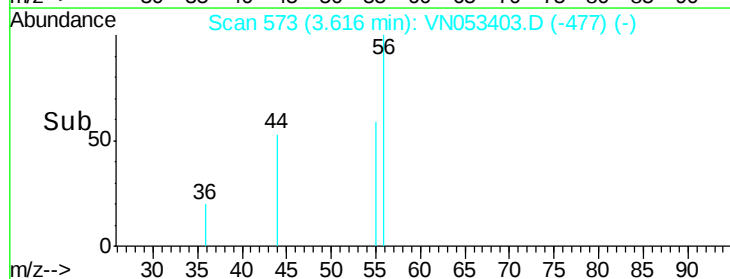
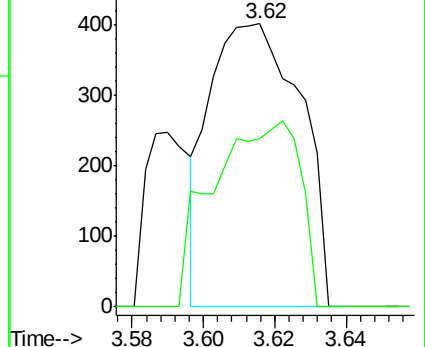
56 100

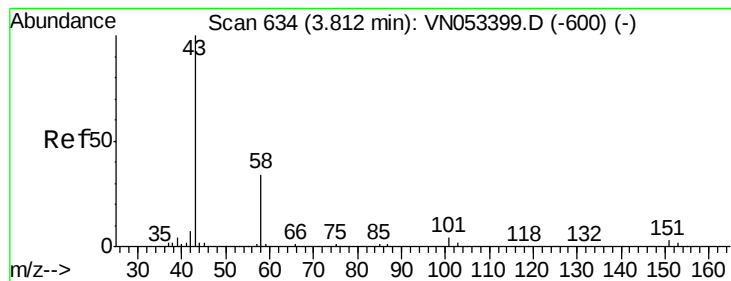
55 63.2 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#16

Acetone

Concen: 0.424 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053403.D

Acq: 15 Jan 2019 13:07

Instrument :

MSVOA_N

ClientSampleId :

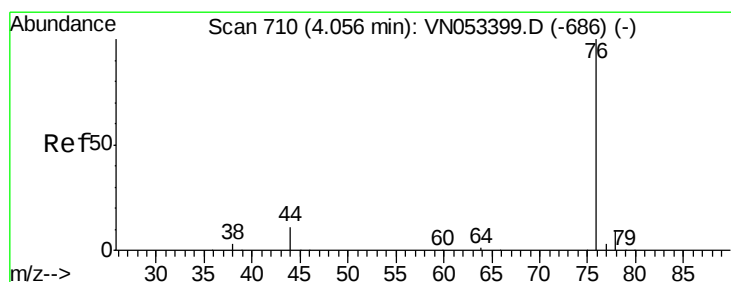
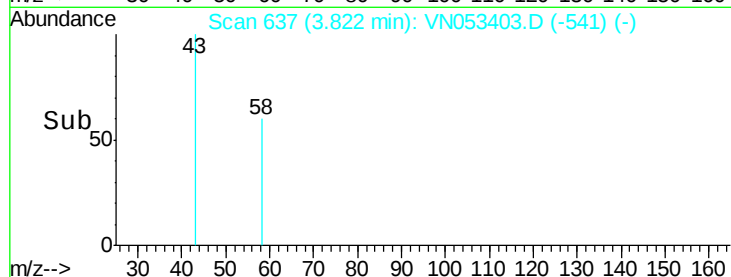
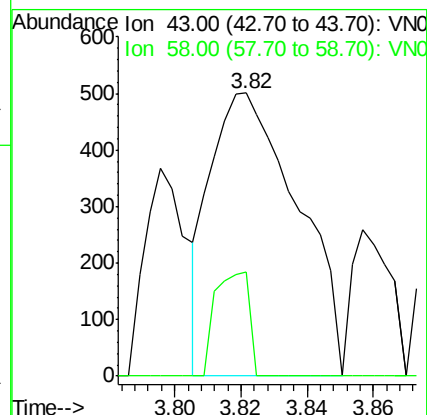
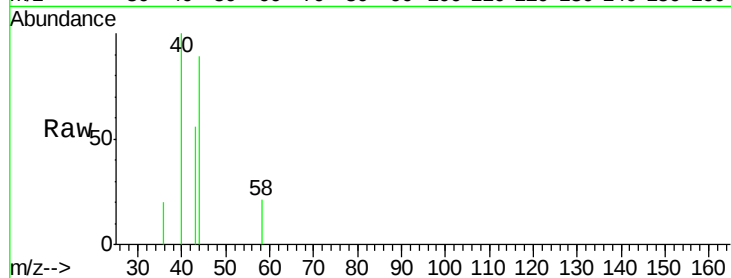
VN0115WBL01

Tot Ion: 43 Resp: 918

Ion Ratio Lower Upper

43 100

58 36.9 27.8 41.6



#17

Carbon Disulfide

Concen: 0.302 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053403.D

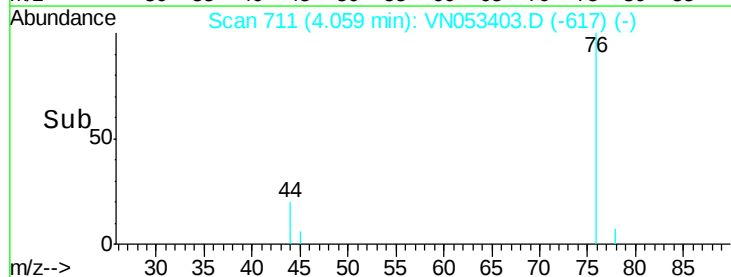
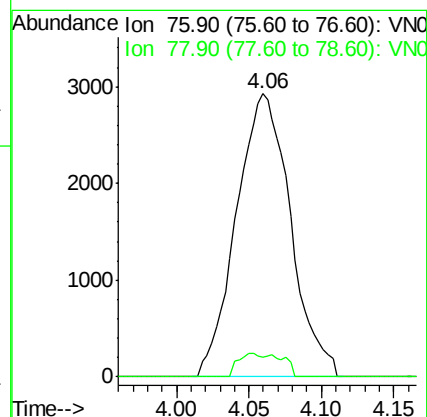
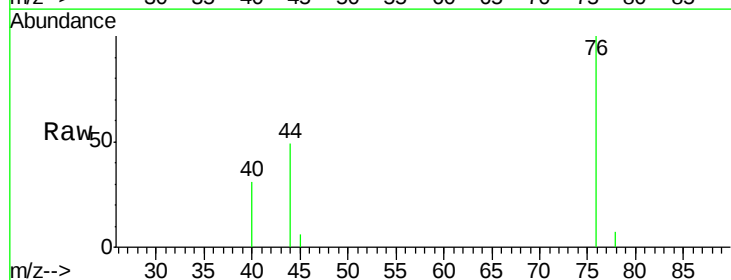
Acq: 15 Jan 2019 13:07

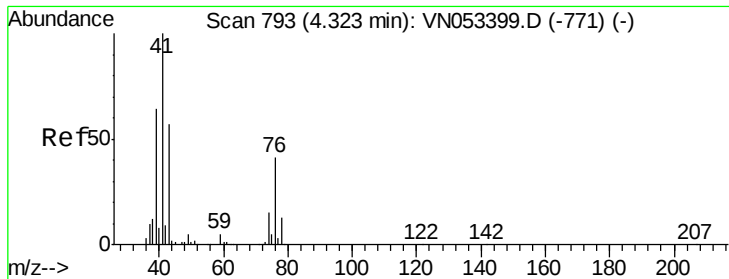
Tgt Ion: 76 Resp: 7596

Ion Ratio Lower Upper

76 100

78 7.0 7.2 10.8#

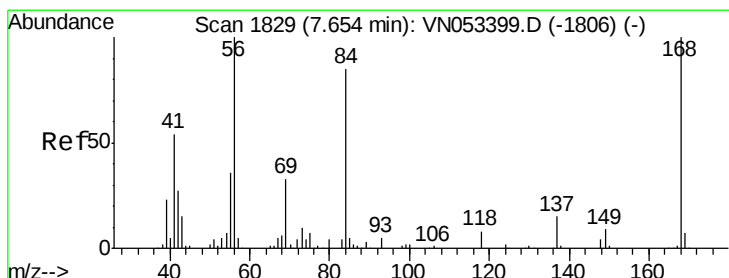
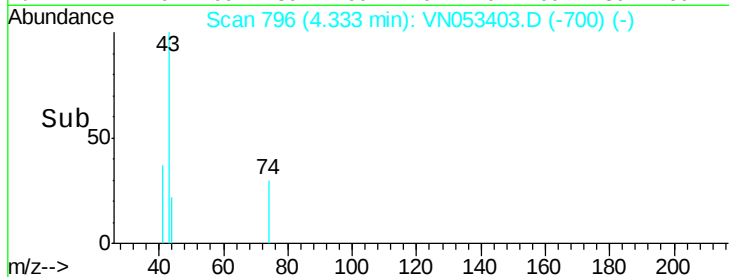
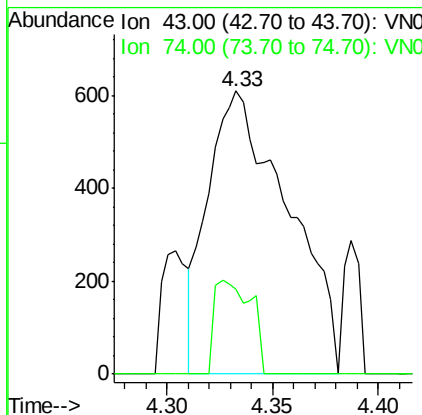
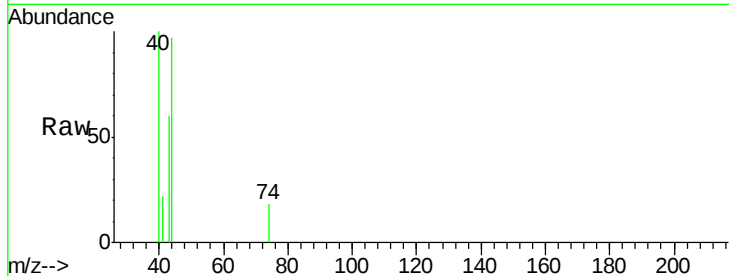




#18
Methvl Acetate
Concen: 0.221 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053403.D
Acq: 15 Jan 2019 13:07

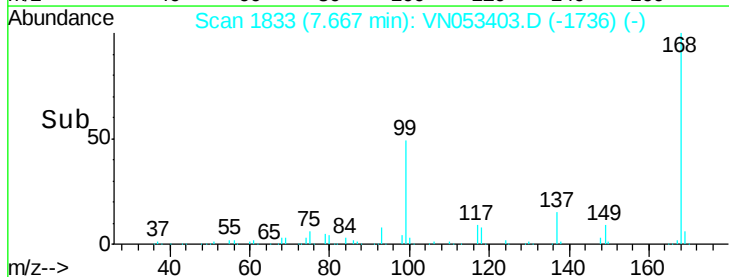
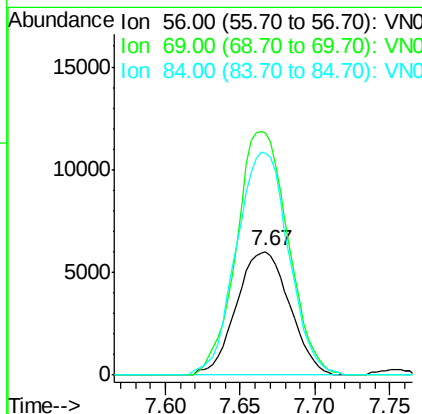
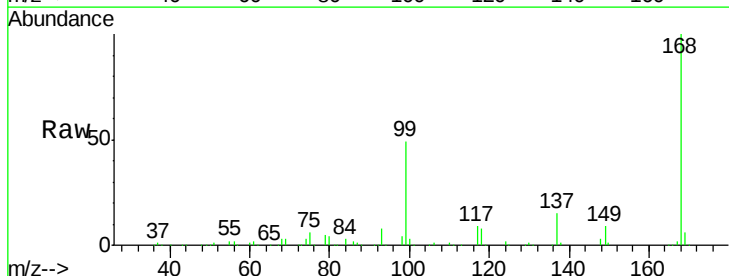
Instrument :
MSVOA_N
ClientSampleId :
VN0115WBL01

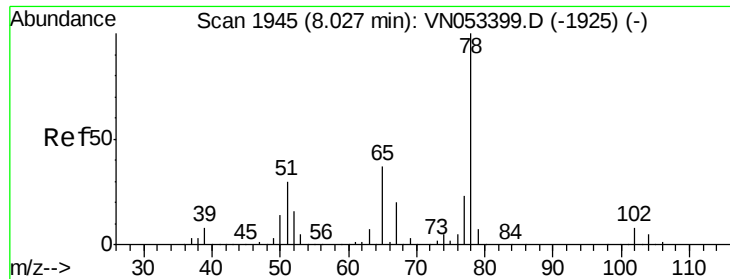
Tot Ion: 43 Resp: 1611
Ion Ratio Lower Upper
43 100
74 15.0 19.8 29.8#



#31
Cyclohexane
Concen: 0.695 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN053403.D
Acq: 15 Jan 2019 13:07

Tgt Ion: 56 Resp: 14846
Ion Ratio Lower Upper
56 100
69 196.1 26.7 40.1#
84 179.3 68.2 102.4#

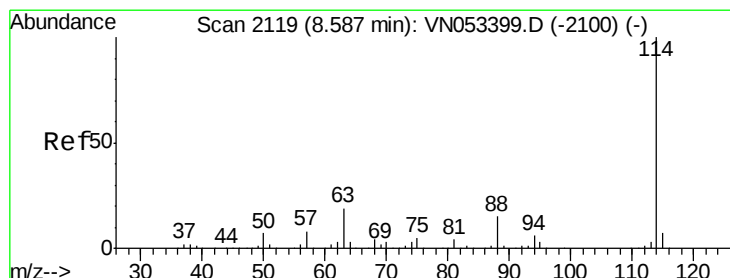
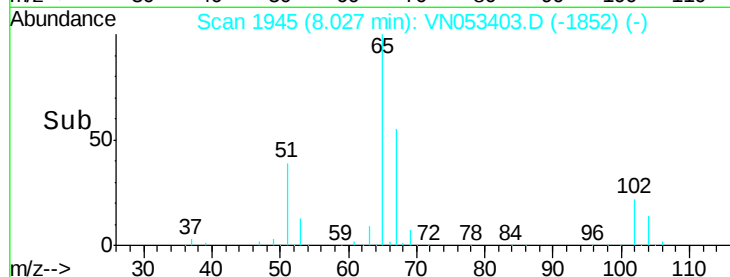
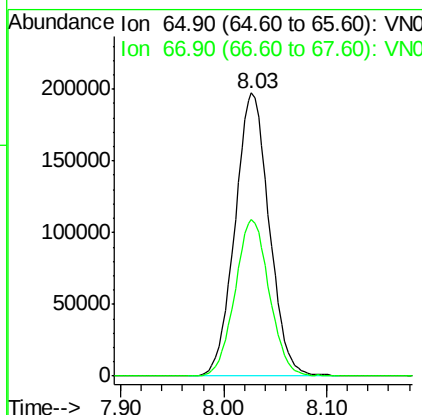
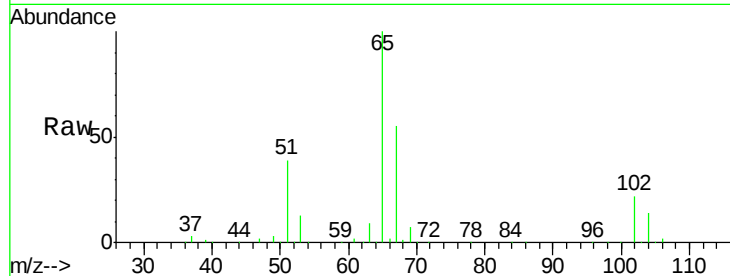




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053403.D
 Acq: 15 Jan 2019 13:07

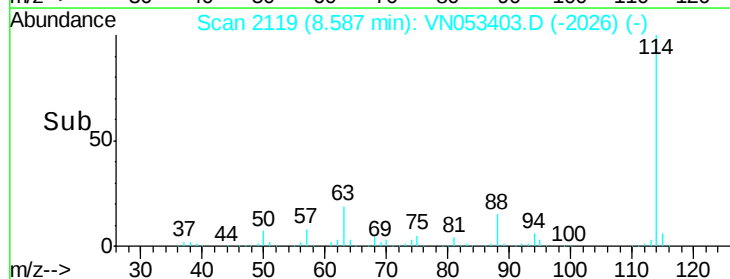
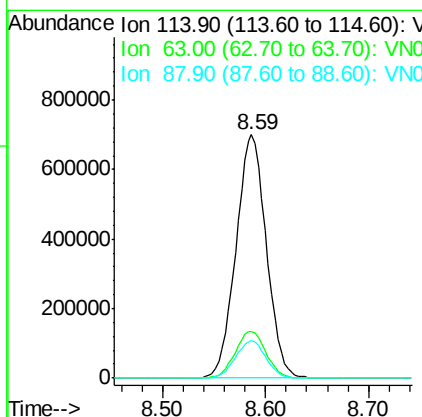
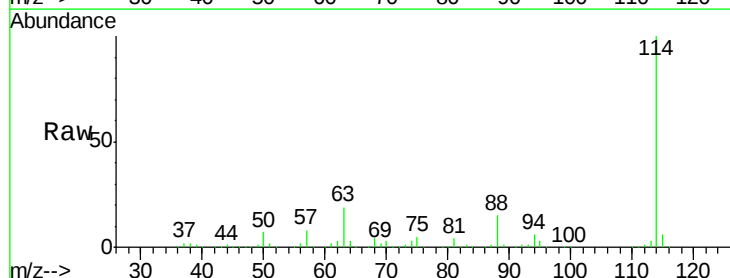
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBL01

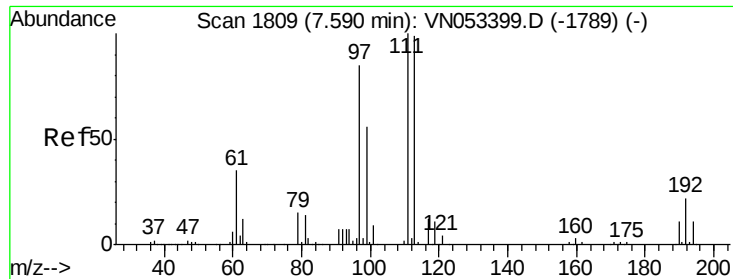
Tot Ion: 65 Resp: 455870
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053403.D
 Acq: 15 Jan 2019 13:07

Tgt Ion: 114 Resp: 1431007
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.0
 88 15.3 0.0 30.8

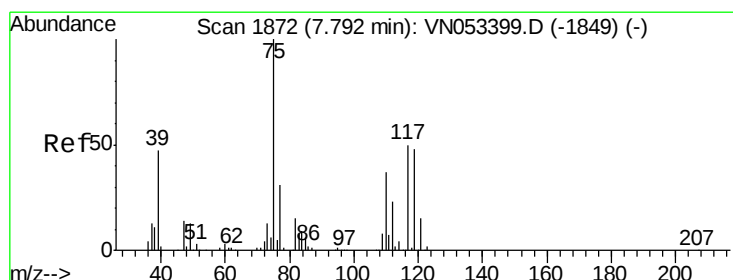
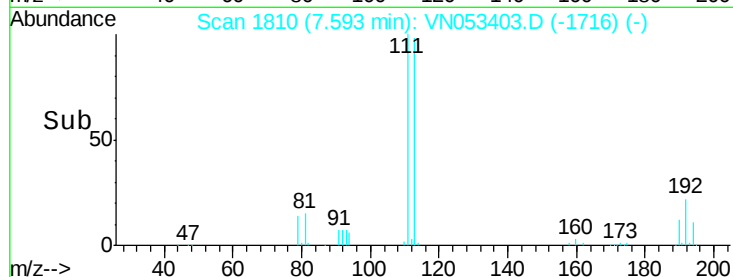
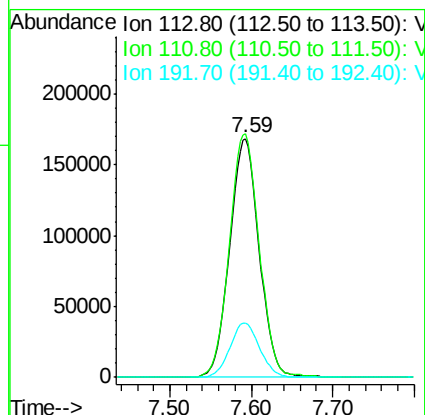
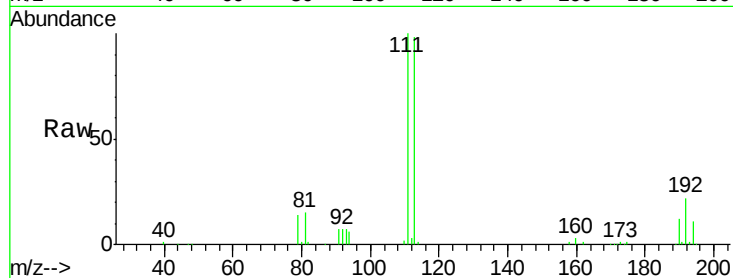




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053403.D
 Acq: 15 Jan 2019 13:07

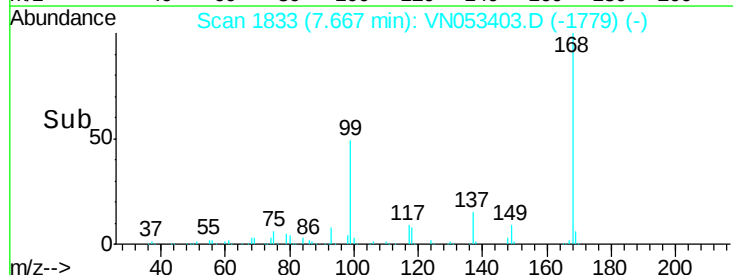
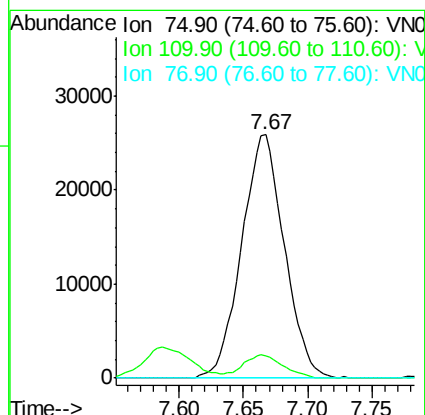
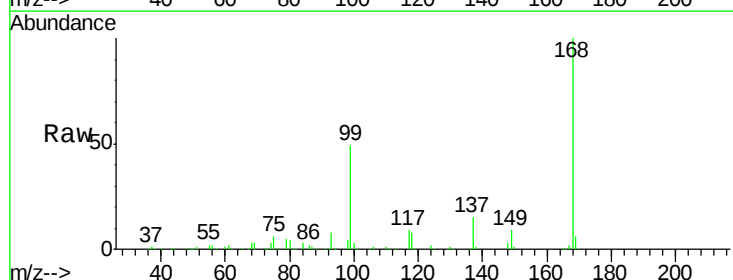
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBL01

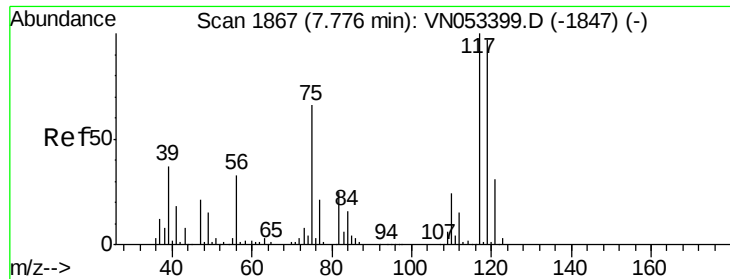
Tot Ion:113 Resp: 426694
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.4 122.2
 192 22.9 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 4.565 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053403.D
 Acq: 15 Jan 2019 13:07

Tgt Ion: 75 Resp: 59498
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.4 55.0#
 77 0.0 25.3 37.9#

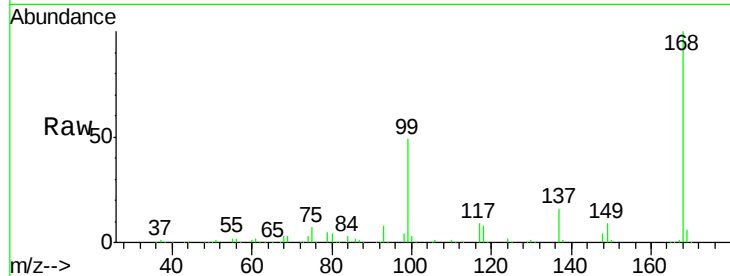




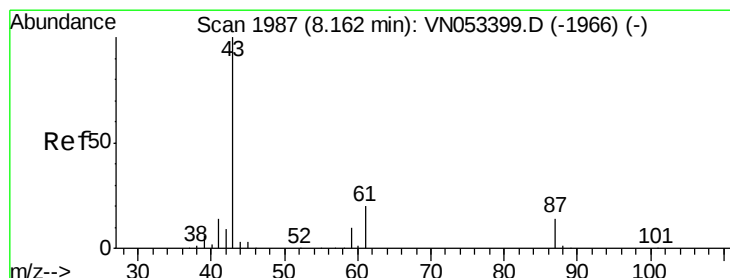
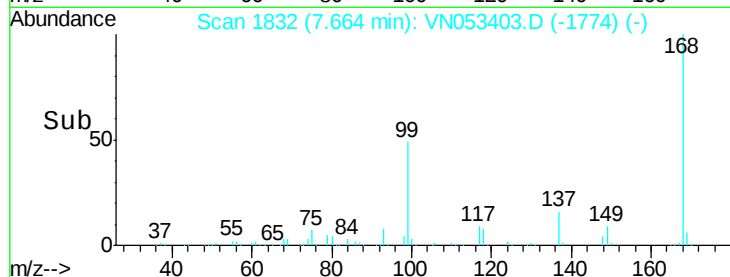
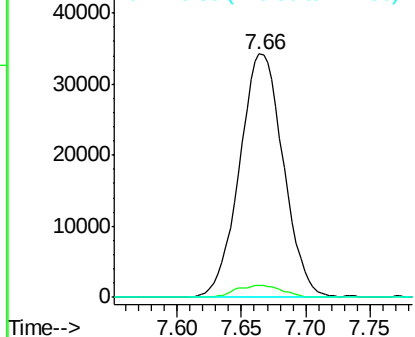
#38
Carbon Tetrachloride
Concen: 6.554 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN053403.D
Acq: 15 Jan 2019 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBL01

Tot Ion:117 Resp: 80867
Ion Ratio Lower Upper
117 100
119 5.1 76.6 115.0#
121 0.0 25.0 37.4#

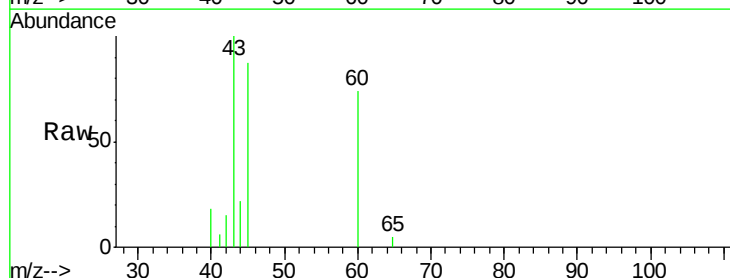


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

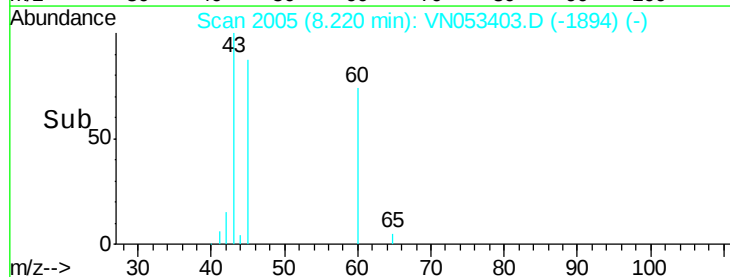
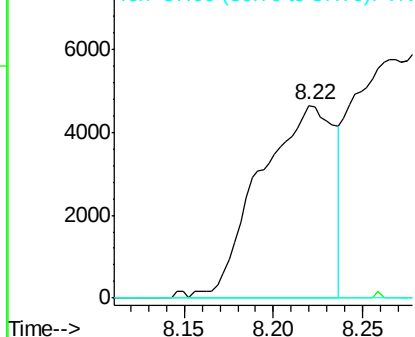


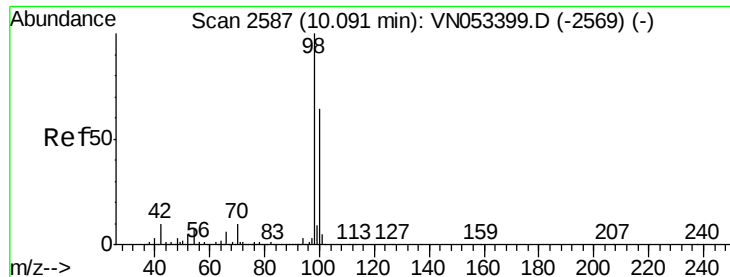
#43
Isopropyl Acetate
Concen: 0.958 ug/l
RT: 8.22 min Scan# 2005
Delta R.T. 0.06 min
Lab File: VN053403.D
Acq: 15 Jan 2019 13:07

Tgt Ion: 43 Resp: 13488
Ion Ratio Lower Upper
43 100
61 0.0 23.3 34.9#
87 0.0 10.8 16.2#



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: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053403.D

Acq: 15 Jan 2019 13:07

Instrument :

MSVOA_N

ClientSampled :

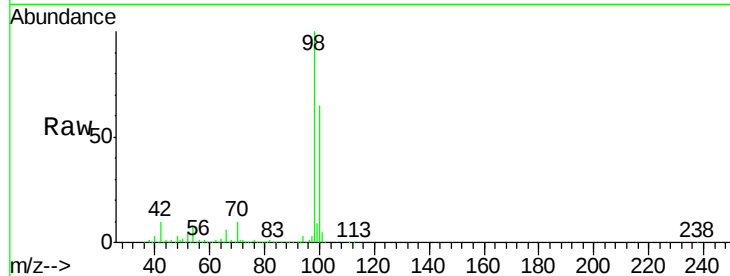
VN0115WBL01

Tot Ion: 98 Resp: 1766616

Ion Ratio Lower Upper

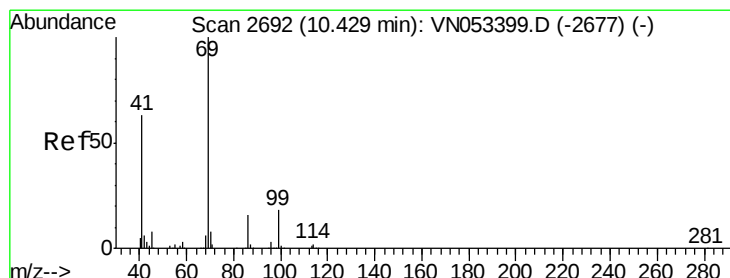
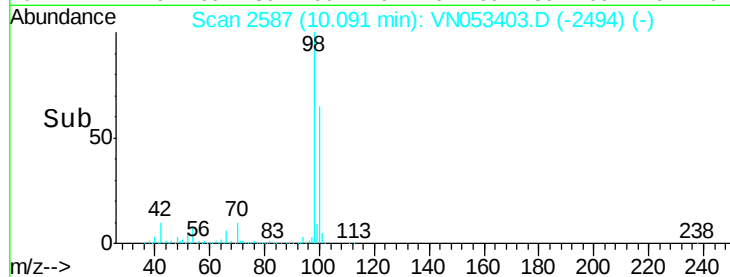
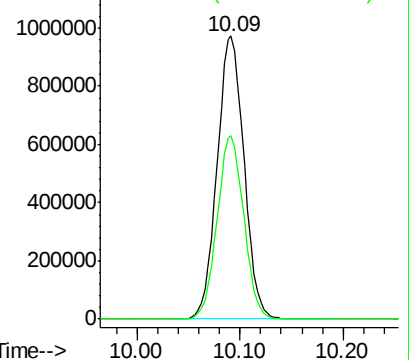
98 100

100 64.3 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#56

Ethyl methacrylate

Concen: 2.060 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN053403.D

Acq: 15 Jan 2019 13:07

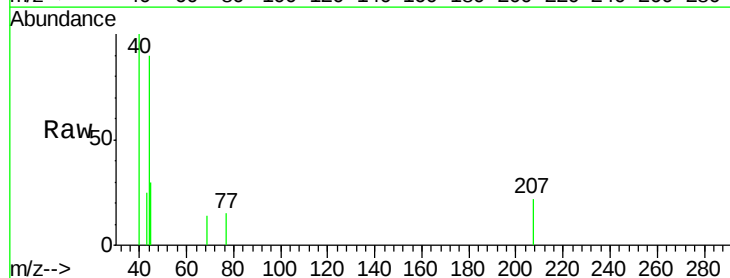
Tgt Ion: 69 Resp: 30

Ion Ratio Lower Upper

69 100

41 0.0 49.2 73.8#

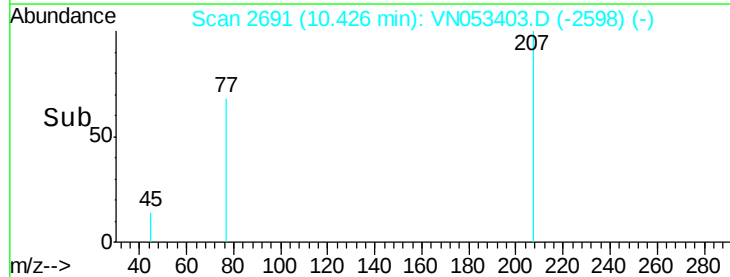
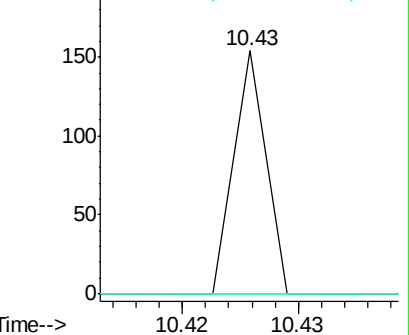
39 0.0 23.4 35.0#

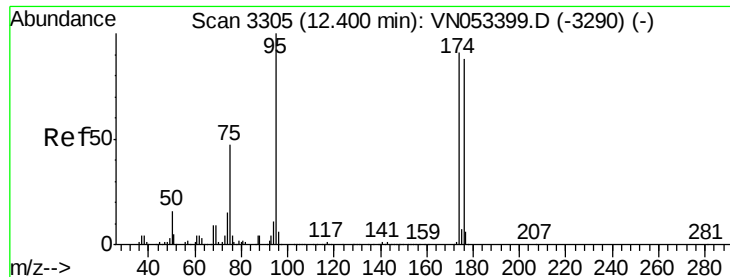


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

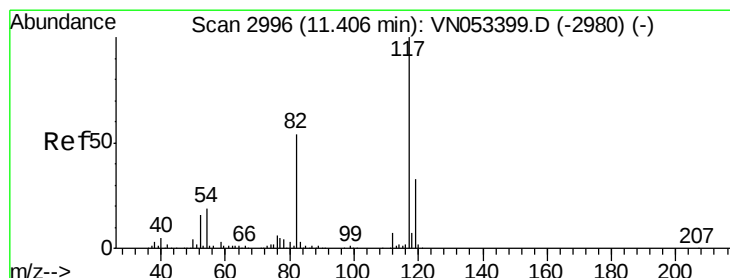
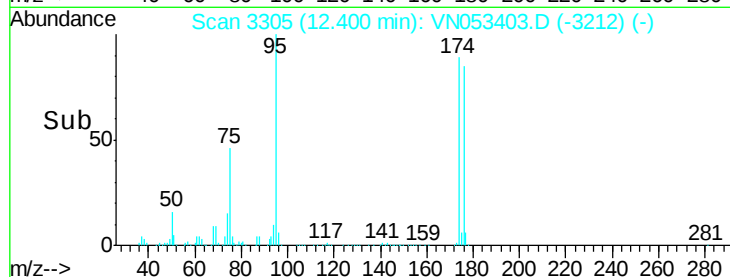
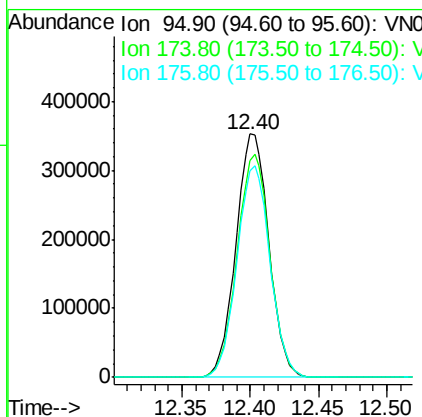
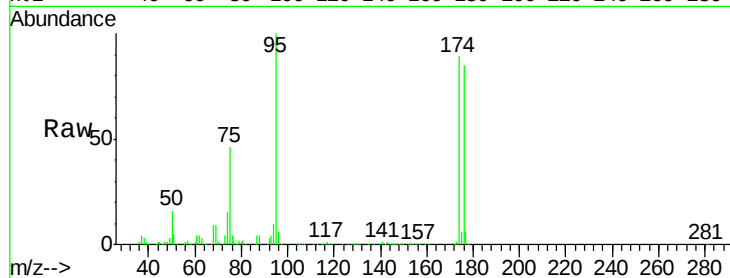




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN053403.D
Acq: 15 Jan 2019 13:07

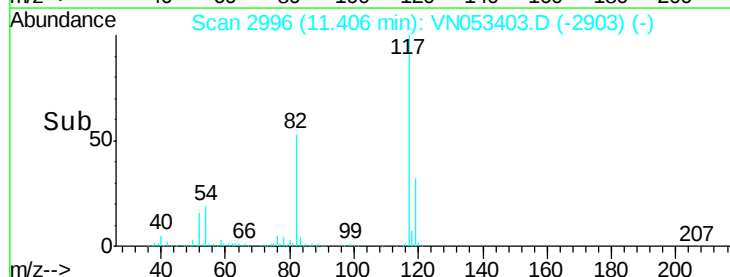
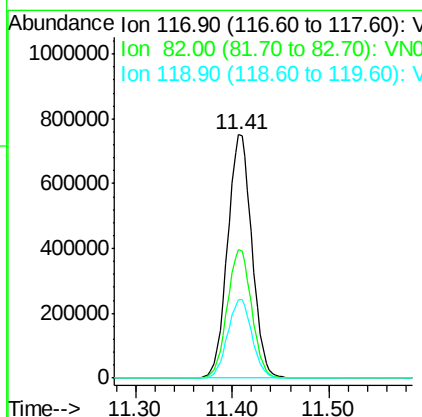
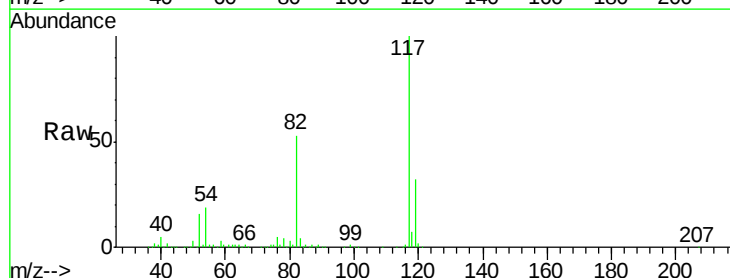
Instrument :
MSVOA_N
ClientSampleId :
VN0115WBL01

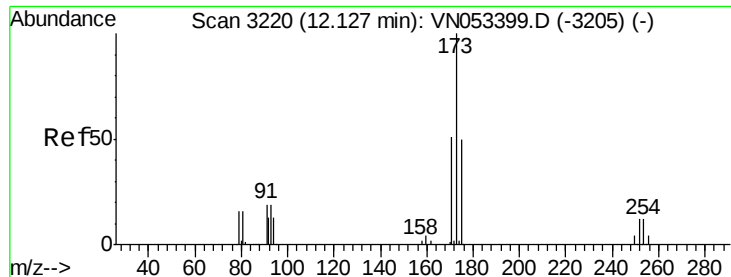
Tot Ion: 95 Resp: 591168
Ion Ratio Lower Upper
95 100
174 91.4 0.0 180.4
176 87.2 0.0 175.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053403.D
Acq: 15 Jan 2019 13:07

Tgt Ion: 117 Resp: 1303973
Ion Ratio Lower Upper
117 100
82 52.5 42.9 64.3
119 32.3 25.6 38.4





#71

Bromoform

Concen: 0.637 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053403.D

Acq: 15 Jan 2019 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBL01

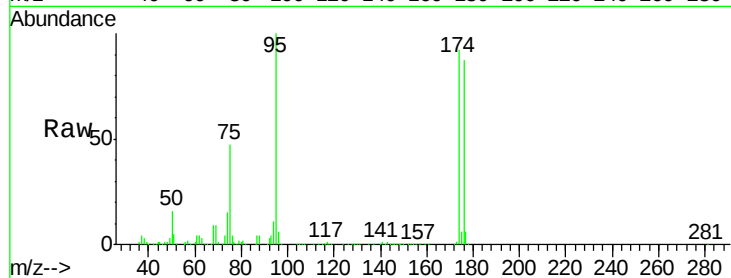
Tot Ion:173 Resp: 4209

Ion Ratio Lower Upper

173 100

175 800.7 24.3 72.8#

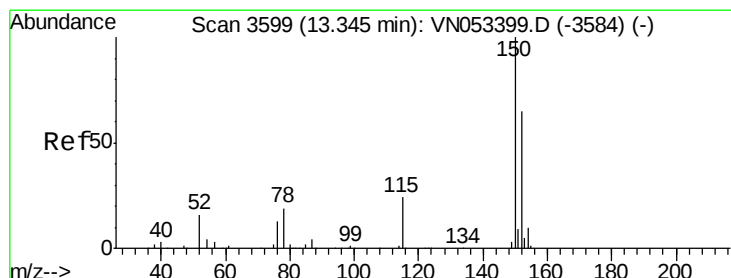
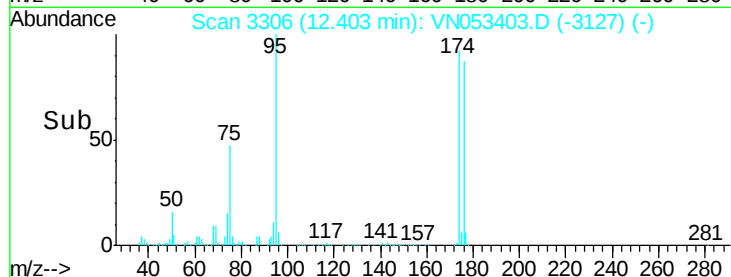
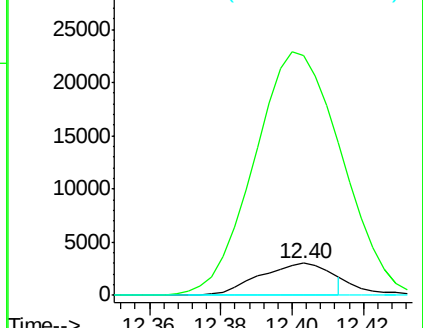
254 0.0 0.2 0.2#



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: VN053403.D

Acq: 15 Jan 2019 13:07

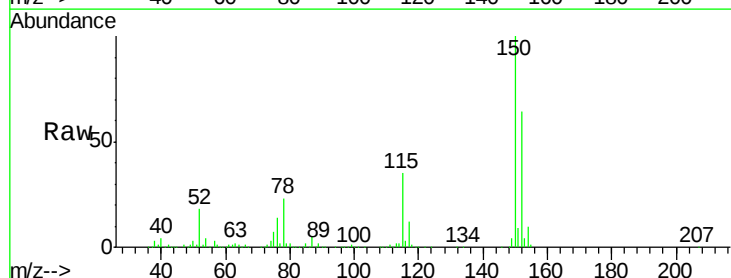
Tgt Ion:152 Resp: 542416

Ion Ratio Lower Upper

152 100

115 55.2 28.0 84.0

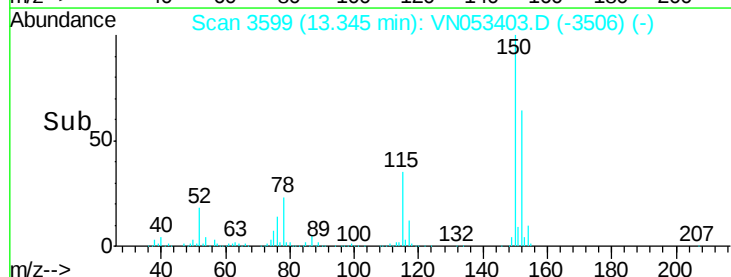
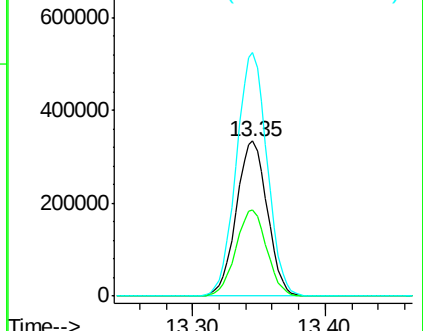
150 156.3 0.0 346.6

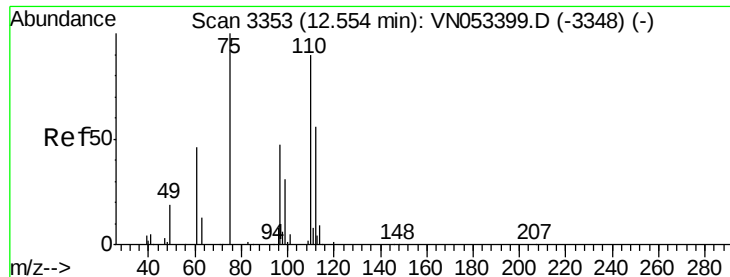


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 39.909 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053403.D

Acq: 15 Jan 2019 13:07

Instrument :

MSVOA_N

ClientSampleId :

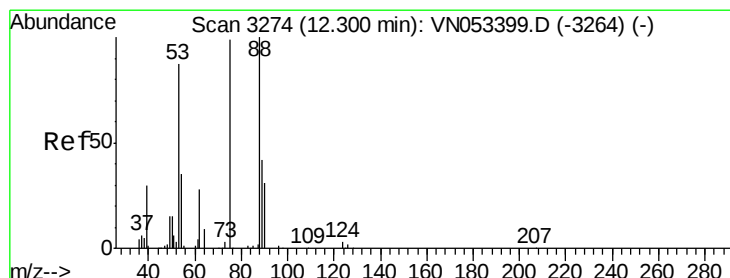
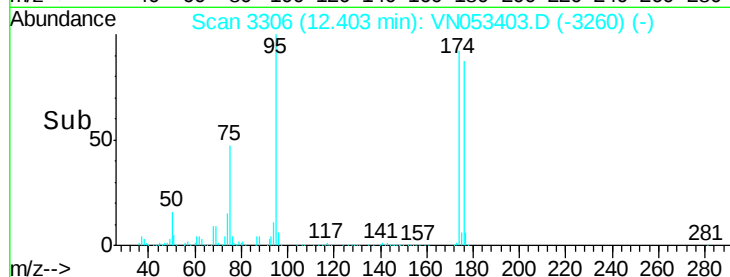
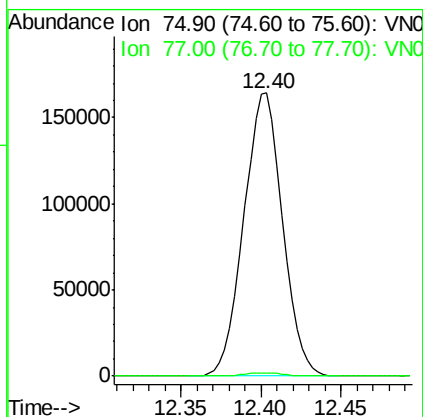
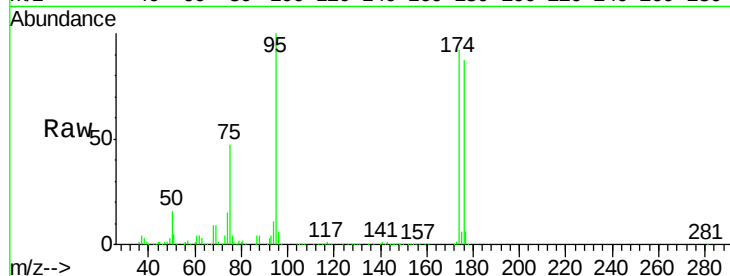
VN0115WBL01

Tot Ion: 75 Resp: 272549

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 94.140 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053403.D

Acq: 15 Jan 2019 13:07

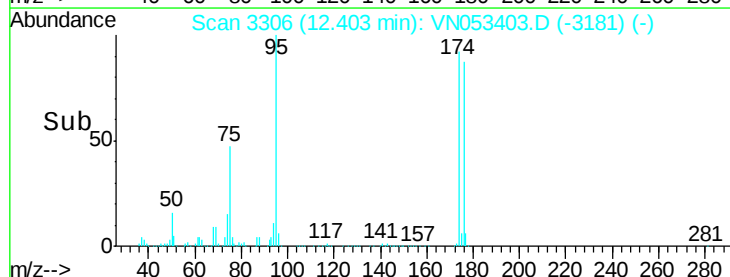
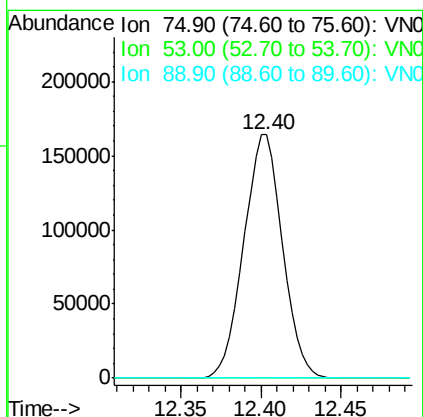
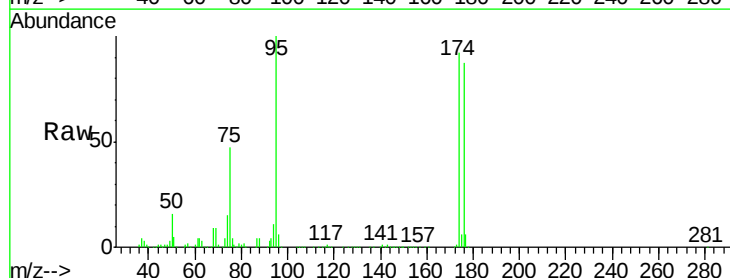
Tgt Ion: 75 Resp: 272549

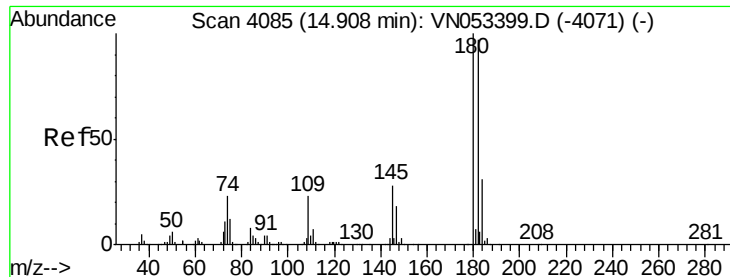
Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

89 0.0 35.4 53.0#

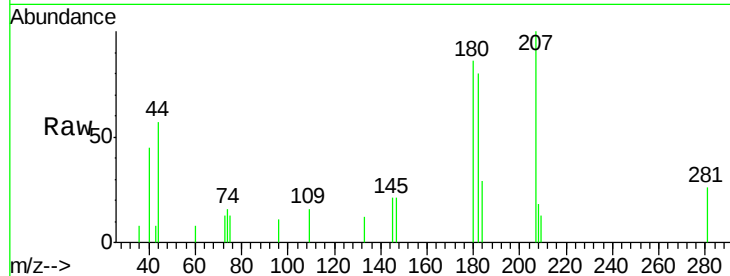




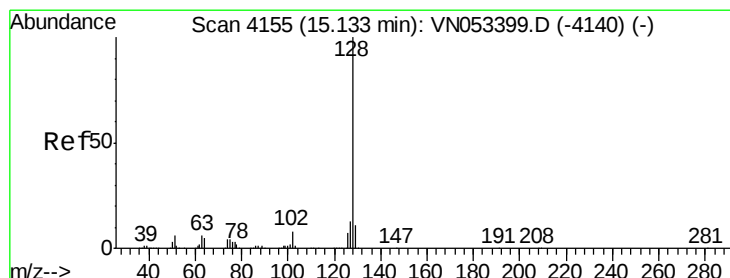
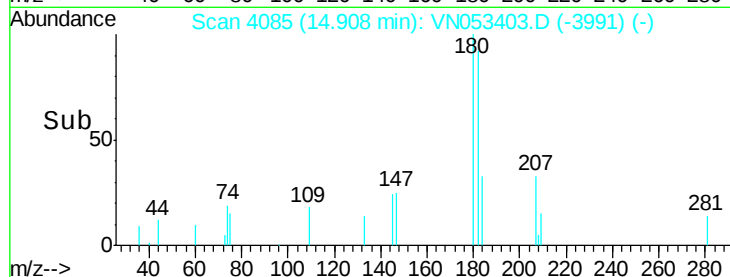
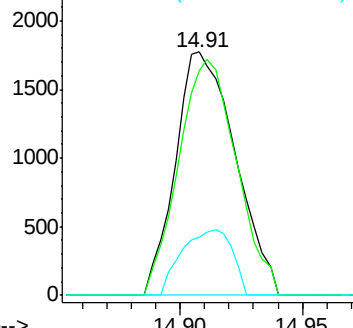
#93
 1,2,4-Trichlorobenzene
 Concen: 3.148 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053403.D
 Acq: 15 Jan 2019 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBL01

Tot Ion:180 Resp: 3023
 Ion Ratio Lower Upper
 180 100
 182 93.5 47.8 143.4
 145 22.7 14.4 43.0

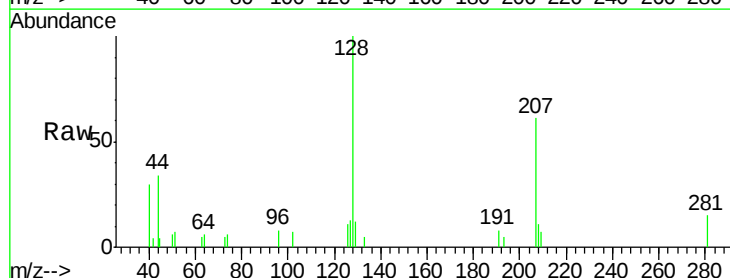


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

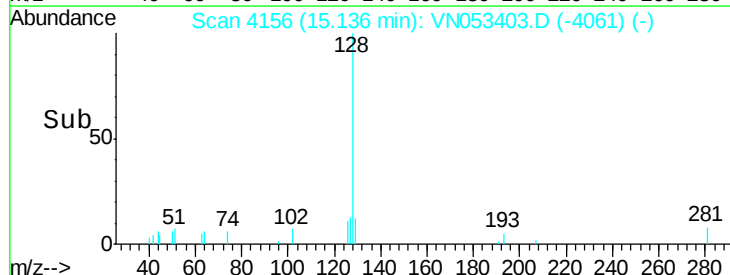
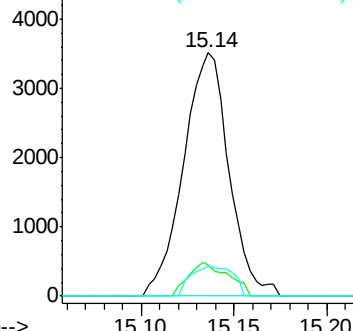


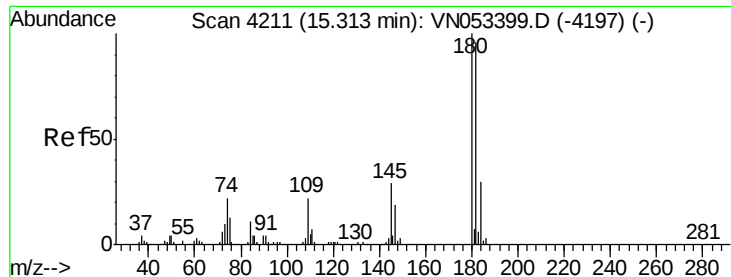
#95
 Naphthalene
 Concen: 4.359 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN053403.D
 Acq: 15 Jan 2019 13:07

Tgt Ion:128 Resp: 5984
 Ion Ratio Lower Upper
 128 100
 127 12.1 10.4 15.6
 129 11.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 4.469 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN053403.D
 Acq: 15 Jan 2019 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBL01

Tot Ion:180 Resp: 3352
 Ion Ratio Lower Upper
 180 100
 182 94.1 48.4 145.0
 145 27.8 14.9 44.5

