

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103118\
 Data File : VN052087.D
 Acq On : 31 Oct 2018 21:13
 Operator : MD\SY
 Sample : J5202-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 01 01:45:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	283083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	524425	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	502836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	196542	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	238643	52.53	ug/l	0.00
Spiked Amount			Recovery	=	105.06%	
35) Dibromofluoromethane	7.59	113	199811	60.90	ug/l	0.00
Spiked Amount			Recovery	=	121.80%	
50) Toluene-d8	10.09	98	790991	60.32	ug/l	0.00
Spiked Amount			Recovery	=	120.64%	
62) 4-Bromofluorobenzene	12.40	95	269595	56.01	ug/l	0.00
Spiked Amount			Recovery	=	112.02%	

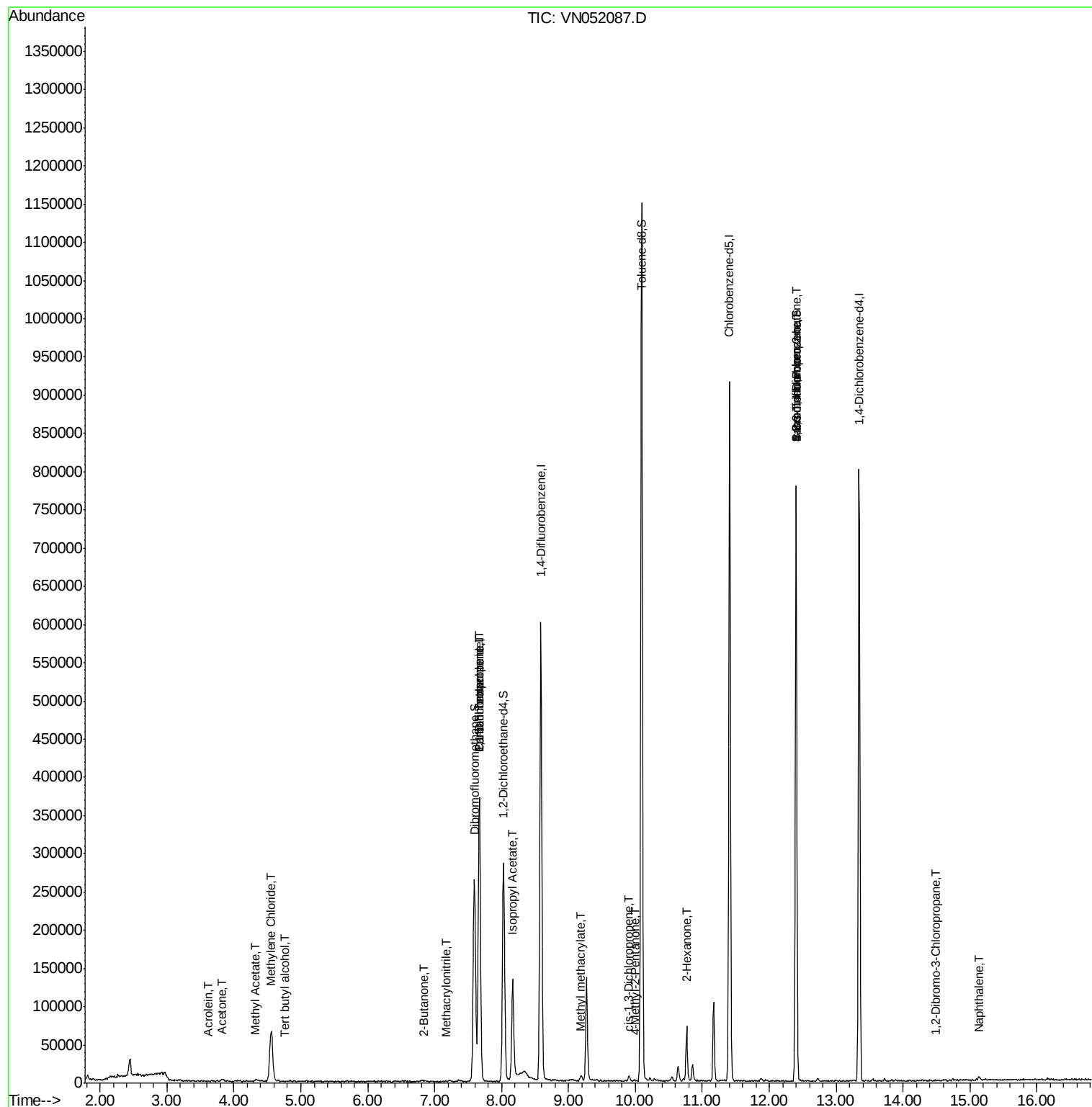
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	71	0.312	ug/l #	76
13) Acrolein	3.63	56	97	24.421	ug/l	96
16) Acetone	3.82	43	4736	4.884	ug/l	89
18) Methyl Acetate	4.33	43	4435	1.437	ug/l #	77
20) Methylene Chloride	4.56	84	52732	14.272	ug/l	92
25) 2-Butanone	6.85	43	356	0.234	ug/l #	50
31) Cyclohexane	7.66	56	8052	Below Cal	#	26
36) 1,1-Dichloropropene	7.67	75	26295	4.931	ug/l #	48
38) Carbon Tetrachloride	7.67	117	31132	6.771	ug/l #	17
41) Methacrylonitrile	7.17	41	249	0.277	ug/l #	1
43) Isopropyl Acetate	8.17	43	158426	24.957	ug/l	100
48) Methyl methacrylate	9.18	41	4428	1.376	ug/l #	19
51) 4-Methyl-2-Pentanone	9.99	43	771	0.223	ug/l	98
54) cis-1,3-Dichloropropene	9.91	75	1312	0.218	ug/l #	46
59) 2-Hexanone	10.77	43	10449	4.250	ug/l #	63
71) Bromoform	12.39	173	828	2.548	ug/l #	29
76) 1,2,3-Trichloropropane	12.40	75	139509	38.776	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	139509	128.705	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.49	75	30	0.969	ug/l #	11
95) Naphthalene	15.13	128	3538	0.628	ug/l #	88

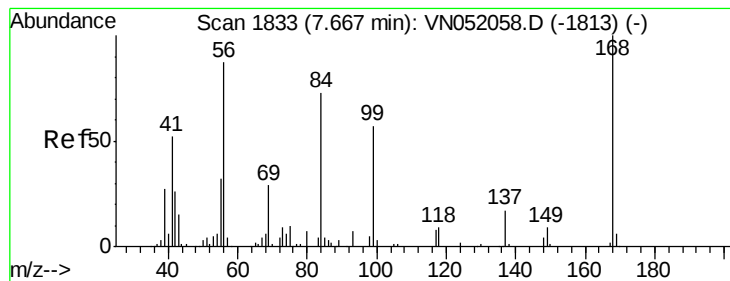
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN103118\
Data File : VN052087.D
Acq On : 31 Oct 2018 21:13
Operator : MD\SY
Sample : J5202-16
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 01 01:45:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 31 02:45:22 2018
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: VN052087.D

Acq: 31 Oct 2018 21:13

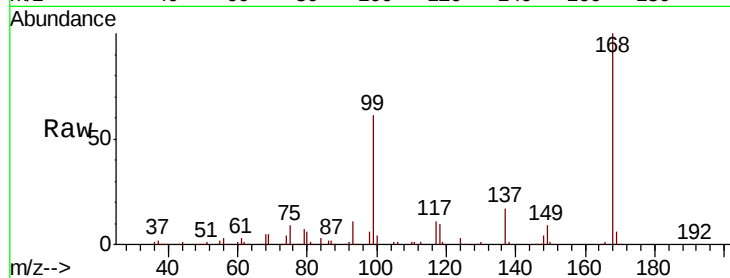
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 283083

Ion Ratio Lower Upper

168 100

99 61.1 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

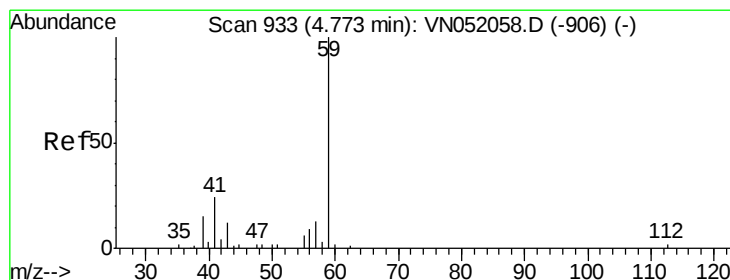
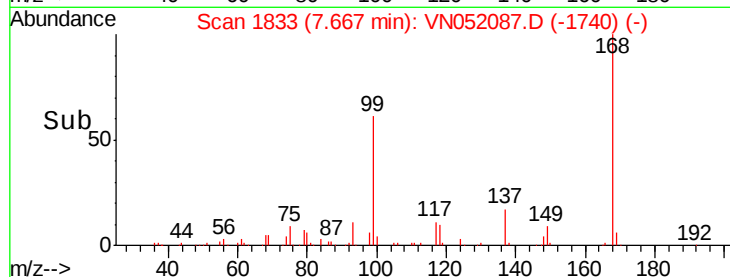
7.67

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#11

Tert butyl alcohol

Concen: 0.312 ug/l

RT: 4.75 min Scan# 927

Delta R.T. -0.02 min

Lab File: VN052087.D

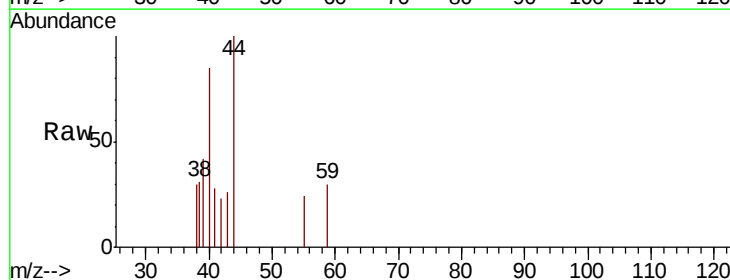
Acq: 31 Oct 2018 21:13

Tgt Ion: 59 Resp: 71

Ion Ratio Lower Upper

59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.75

200

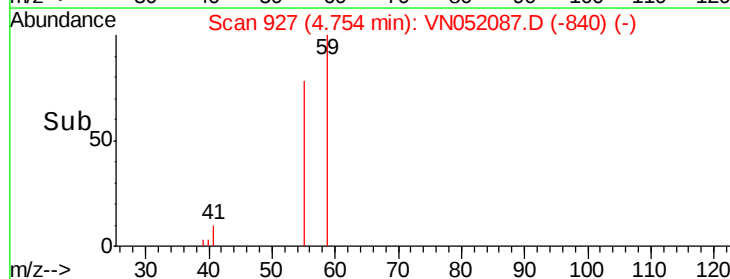
150

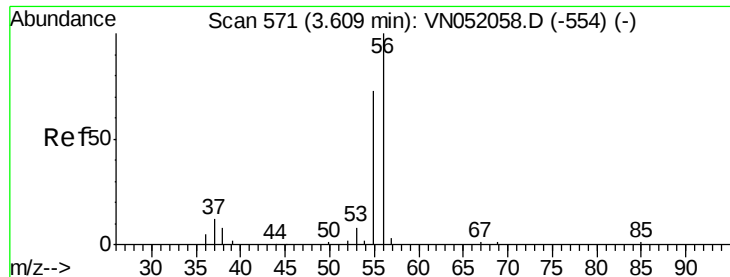
100

50

0

Time--> 4.74 4.75 4.76





#13

Acrolein

Concen: 24.421 ug/l

RT: 3.63 min Scan# 576

Delta R.T. 0.02 min

Lab File: VN052087.D

Acq: 31 Oct 2018 21:13

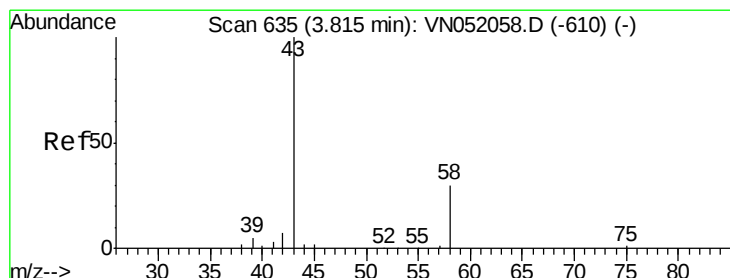
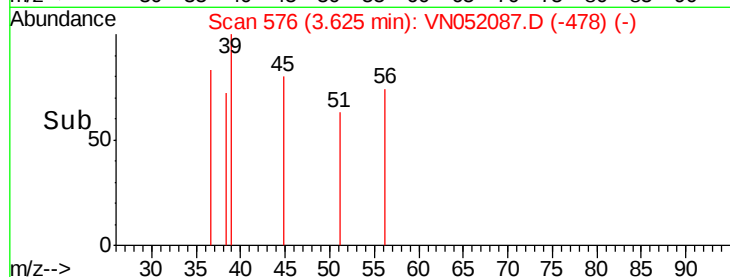
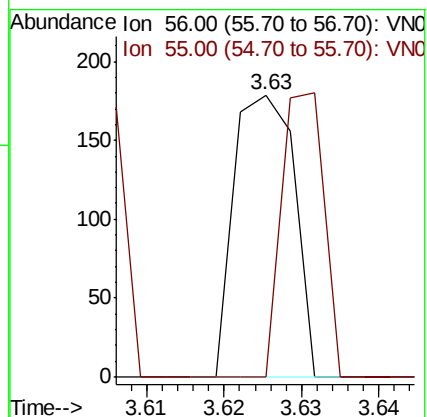
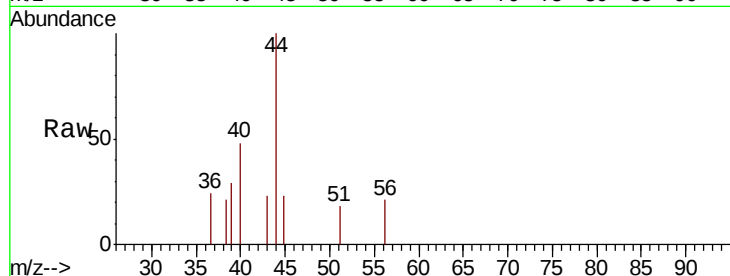
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 97

Ion Ratio Lower Upper

56 100

55 71.1 59.9 89.9



#16

Acetone

Concen: 4.884 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052087.D

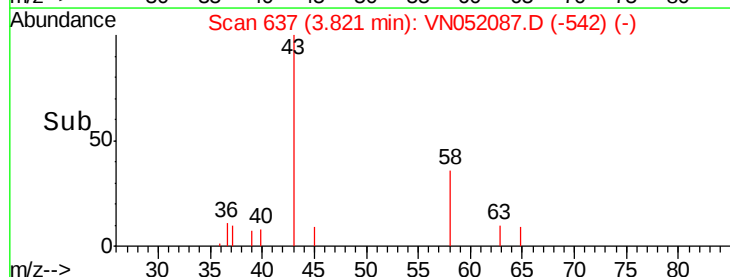
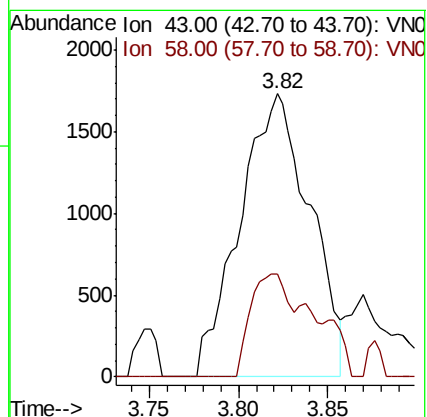
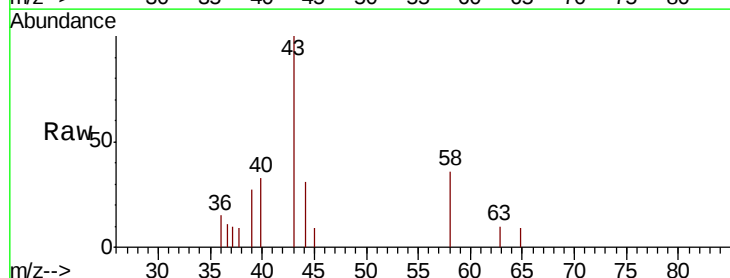
Acq: 31 Oct 2018 21:13

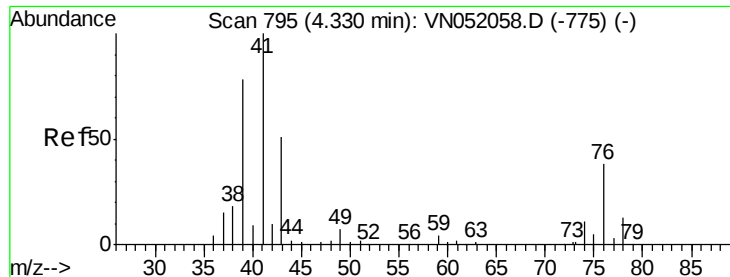
Tgt Ion: 43 Resp: 4736

Ion Ratio Lower Upper

43 100

58 36.2 24.2 36.2

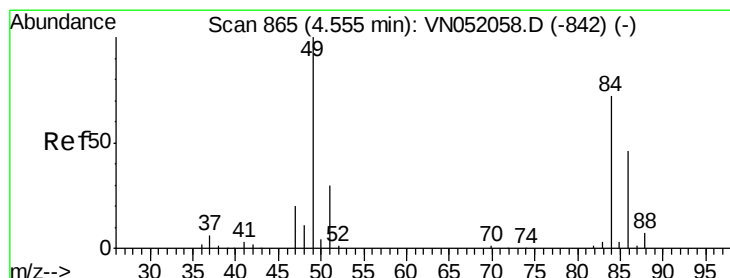
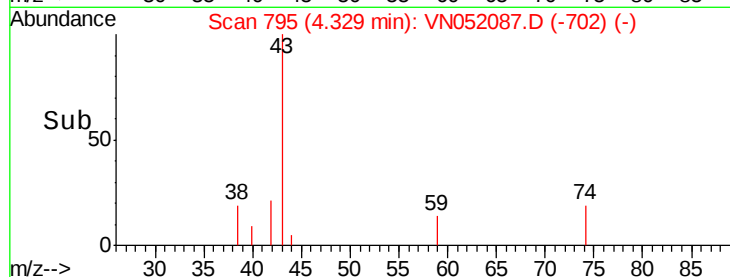
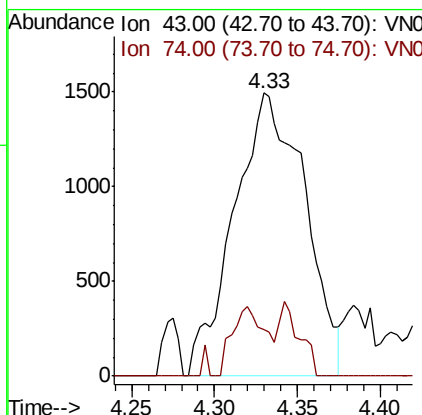
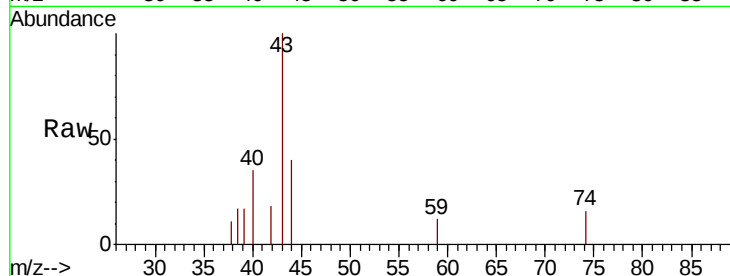




#18
Methvl Acetate
Concen: 1.437 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN052087.D
Acq: 31 Oct 2018 21:13

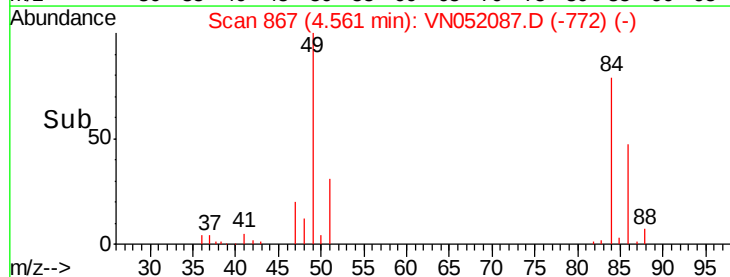
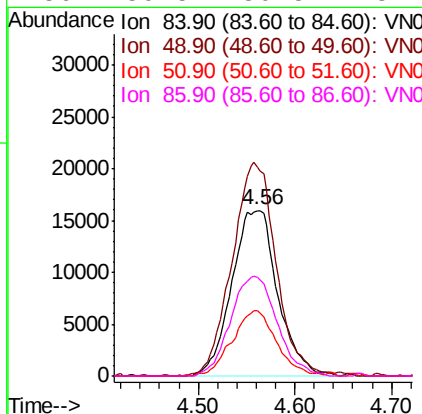
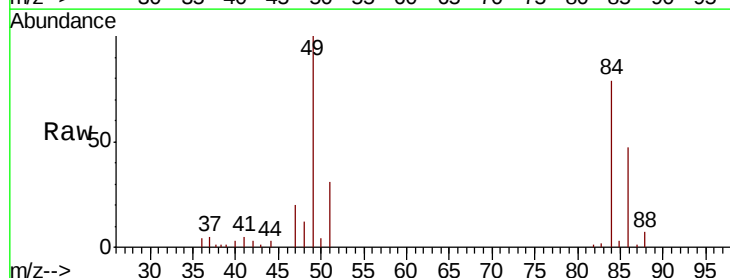
Instrument :
MSVOA_N
ClientSampleId :

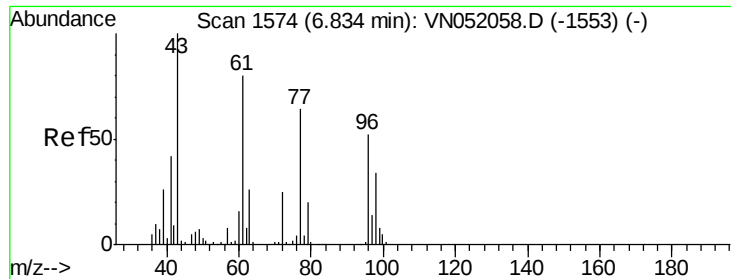
Tot Ion: 43 Resp: 4435
Ion Ratio Lower Upper
43 100
74 11.4 17.9 26.9#



#20
Methylene Chloride
Concen: 14.272 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN052087.D
Acq: 31 Oct 2018 21:13

Tgt Ion: 84 Resp: 52732
Ion Ratio Lower Upper
84 100
49 124.8 110.6 165.8
51 39.3 33.7 50.5
86 59.5 50.5 75.7

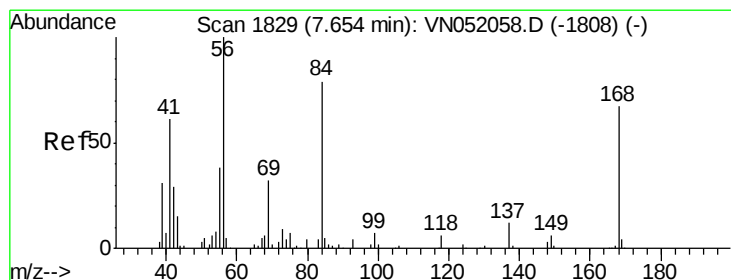
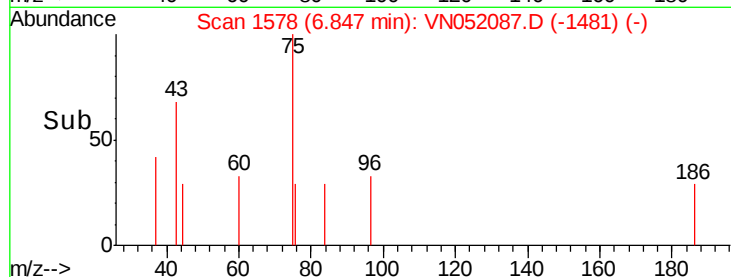
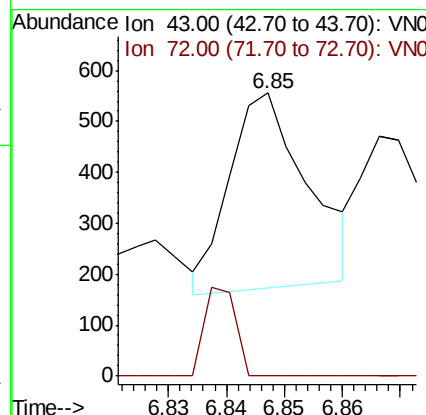
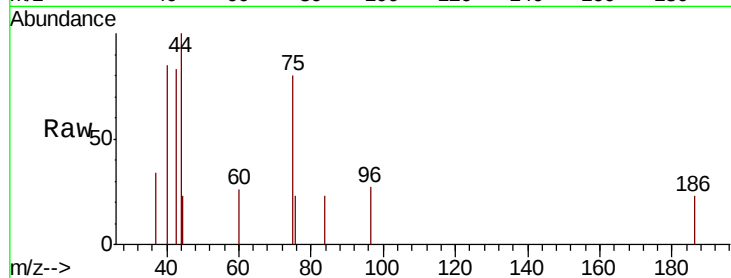




#25
2-Butanone
Concen: 0.234 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN052087.D
Acq: 31 Oct 2018 21:13

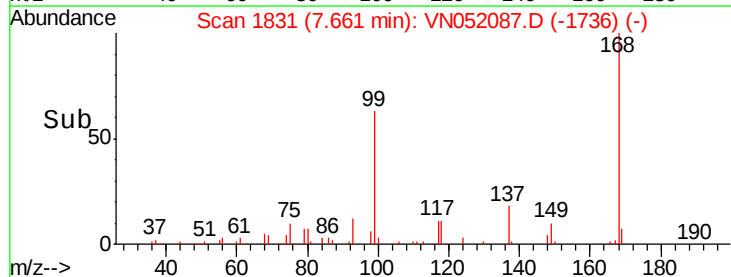
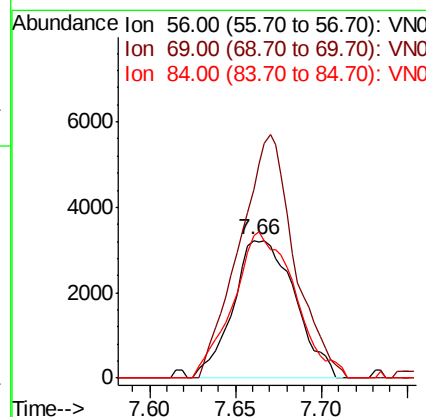
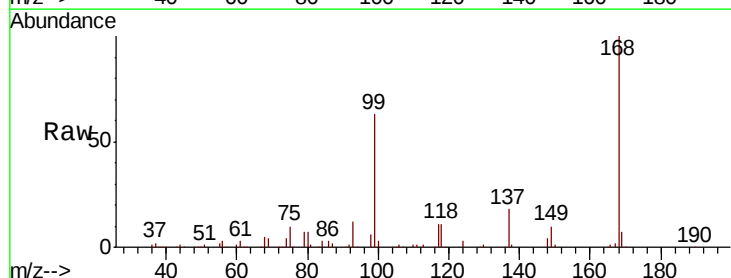
Instrument :
MSVOA_N
ClientSampleId :

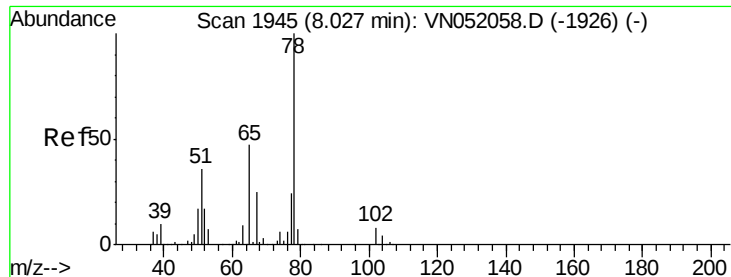
Tot Ion: 43 Resp: 356
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN052087.D
Acq: 31 Oct 2018 21:13

Tgt Ion: 56 Resp: 8052
Ion Ratio Lower Upper
56 100
69 136.9 25.8 38.6#
84 103.9 63.5 95.3#

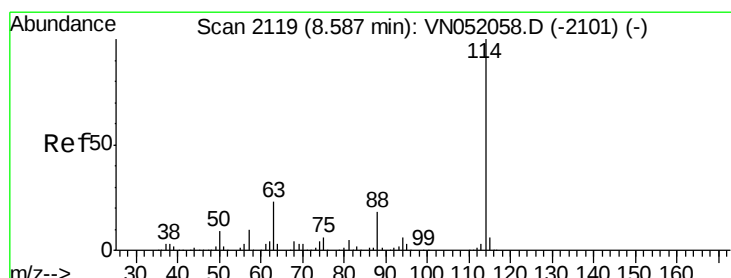
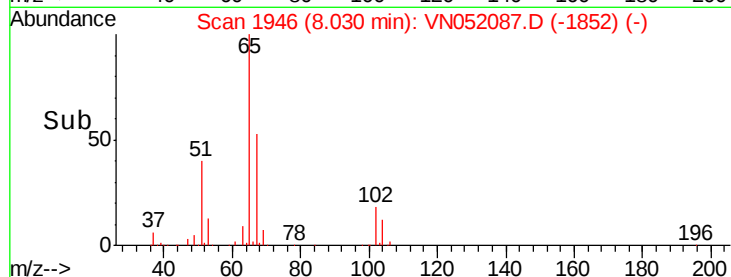
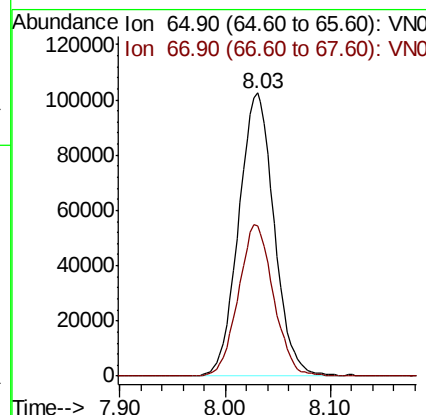
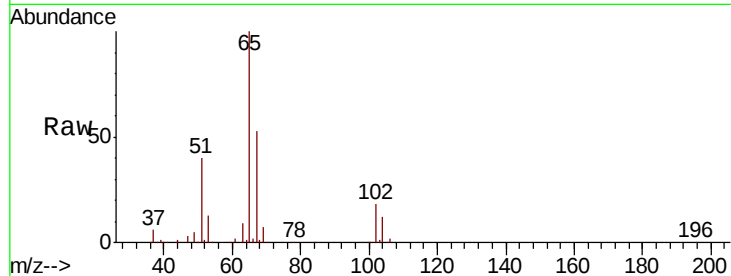




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052087.D
 Acq: 31 Oct 2018 21:13

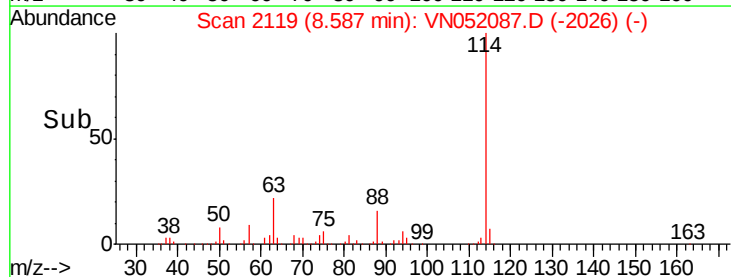
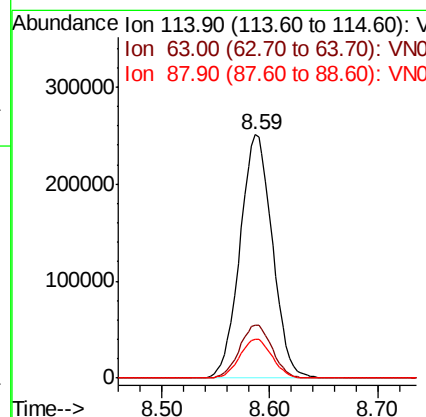
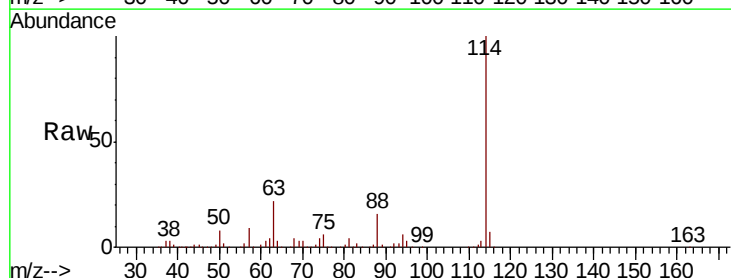
Instrument :
 MSVOA_N
 ClientSampled :

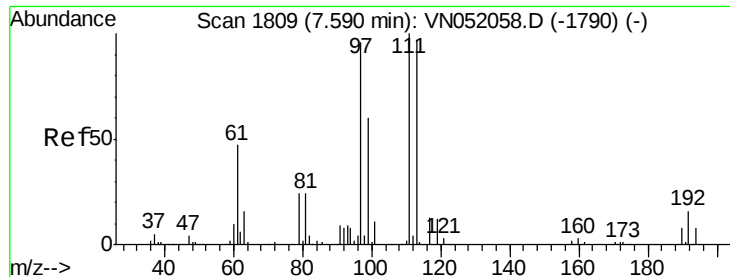
Tot Ion: 65 Resp: 238643
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052087.D
 Acq: 31 Oct 2018 21:13

Tgt Ion: 114 Resp: 524425
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 46.0
 88 16.1 0.0 35.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN052087.D

Acq: 31 Oct 2018 21:13

Instrument :
MSVOA_N
ClientSampleId :

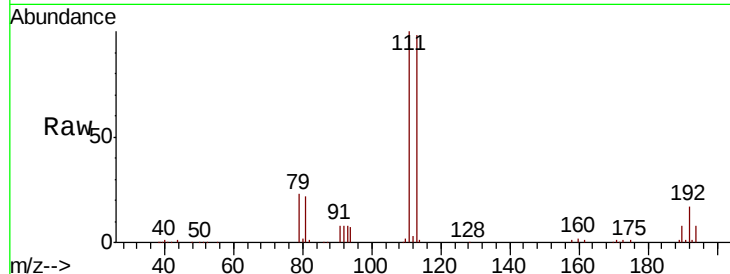
Tot Ion:113 Resp: 199811

Ion Ratio Lower Upper

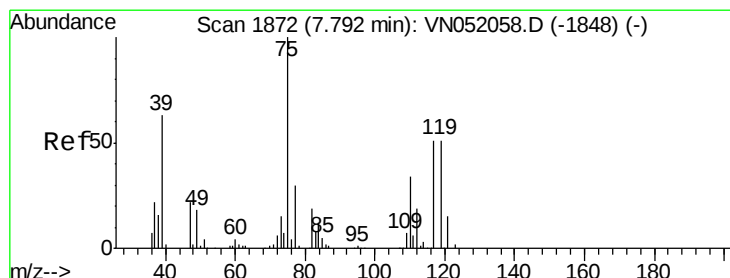
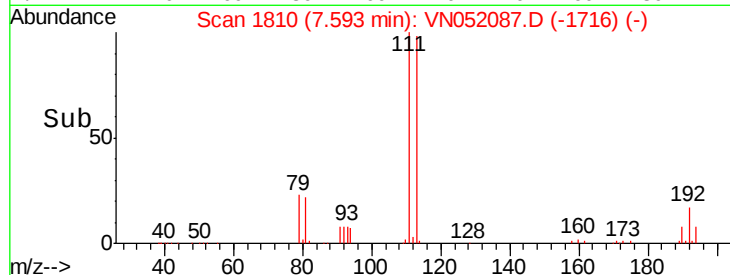
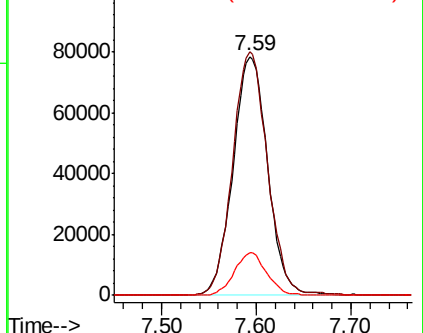
113 100

111 101.8 83.1 124.7

192 16.6 12.7 19.1



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: 4.931 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052087.D

Acq: 31 Oct 2018 21:13

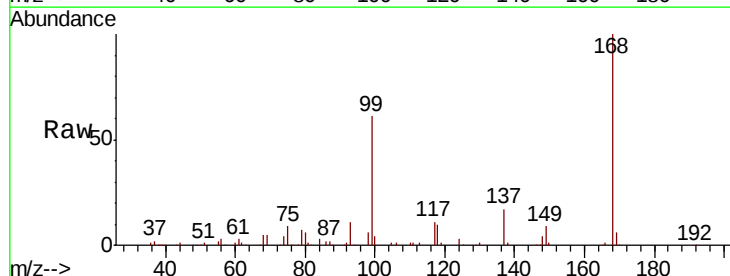
Tgt Ion: 75 Resp: 26295

Ion Ratio Lower Upper

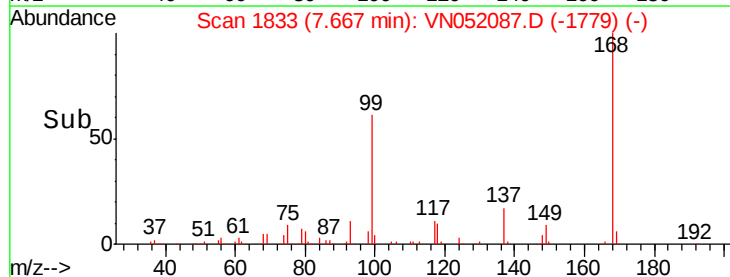
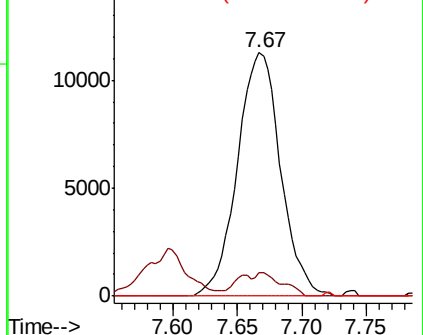
75 100

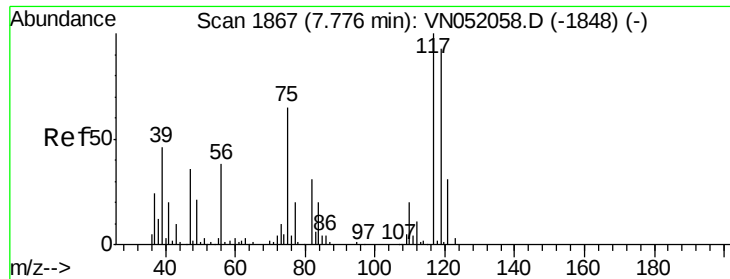
110 5.5 16.0 48.0#

77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 6.771 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052087.D

Acq: 31 Oct 2018 21:13

Instrument :

MSVOA_N

ClientSampleId :

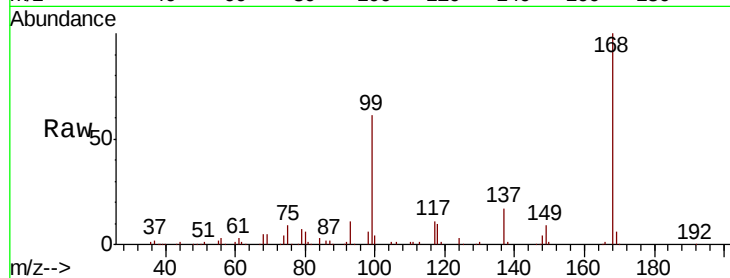
Tot Ion:117 Resp: 31132

Ion Ratio Lower Upper

117 100

119 4.7 74.8 112.2#

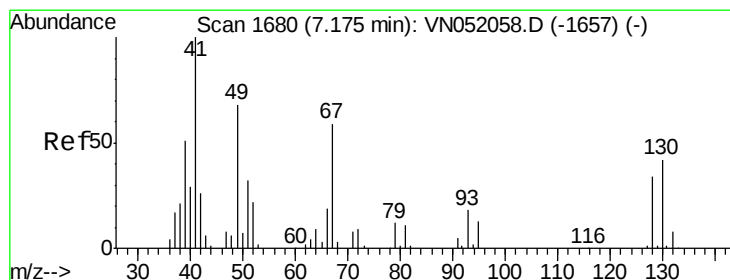
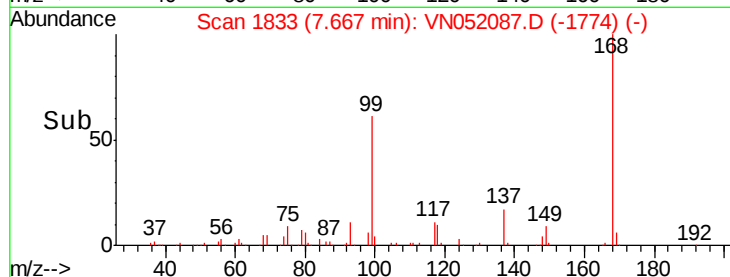
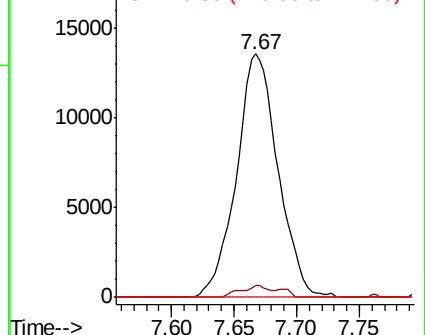
121 0.0 25.1 37.7#



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



#41

Methacrylonitrile

Concen: 0.277 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN052087.D

Acq: 31 Oct 2018 21:13

Tgt Ion: 41 Resp: 249

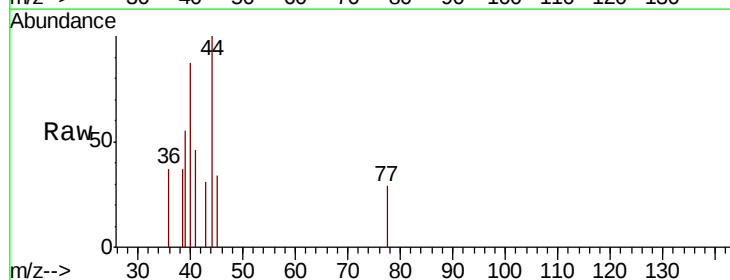
Ion Ratio Lower Upper

41 100

39 169.9 33.2 49.8#

67 24.1 63.5 95.3#

52 0.0 25.6 38.4#

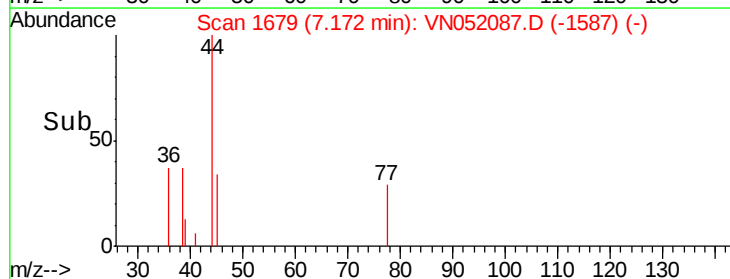
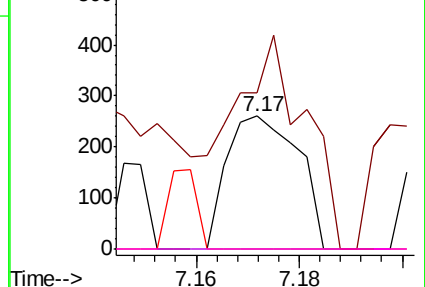


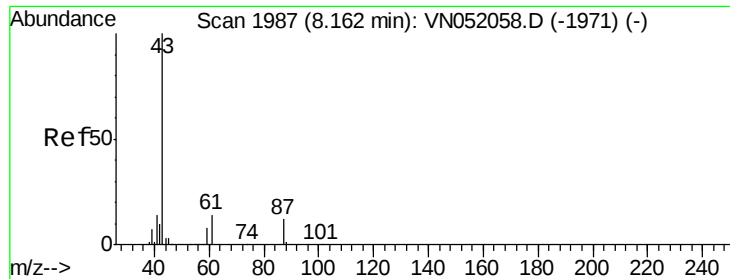
Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO





#43

Isopropyl Acetate

Concen: 24.957 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052087.D

Acq: 31 Oct 2018 21:13

Instrument :
MSVOA_N
ClientSampled :

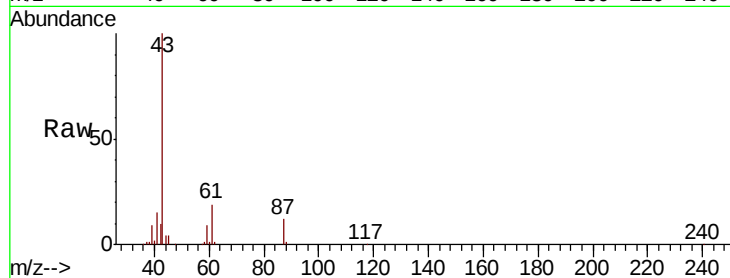
Tot Ion: 43 Resp: 158426

Ion Ratio Lower Upper

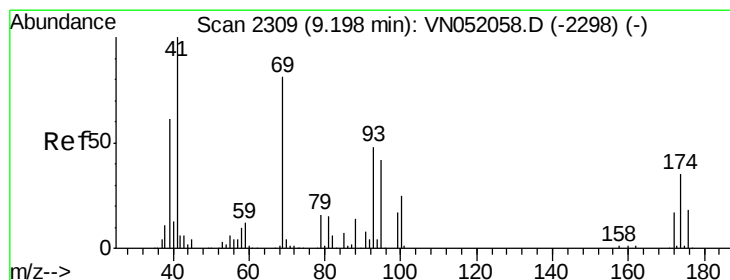
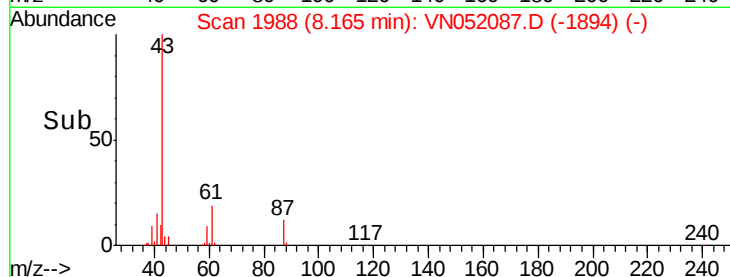
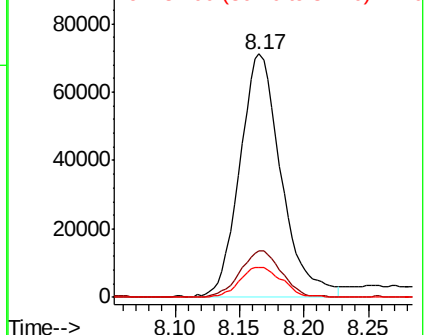
43 100

61 19.2 15.4 23.0

87 12.7 9.8 14.8



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



#48

Methyl methacrylate

Concen: 1.376 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN052087.D

Acq: 31 Oct 2018 21:13

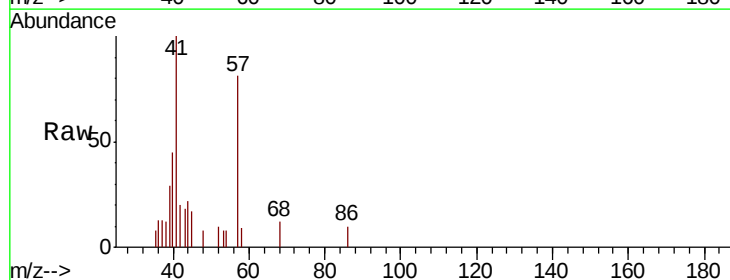
Tgt Ion: 41 Resp: 4428

Ion Ratio Lower Upper

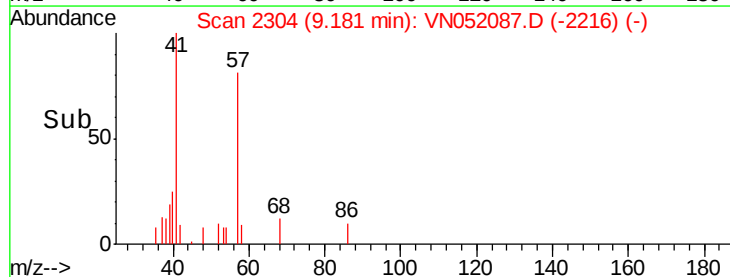
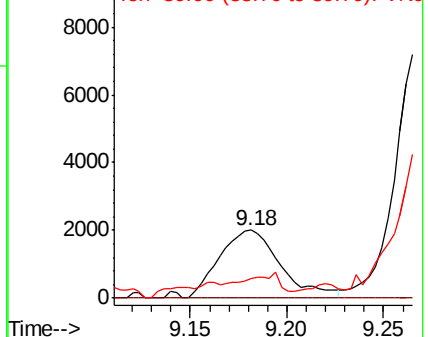
41 100

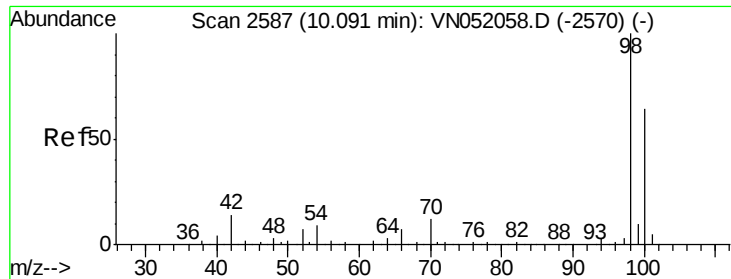
69 0.0 67.1 100.7#

39 11.7 50.5 75.7#



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052087.D

Acq: 31 Oct 2018 21:13

Instrument :

MSVOA_N

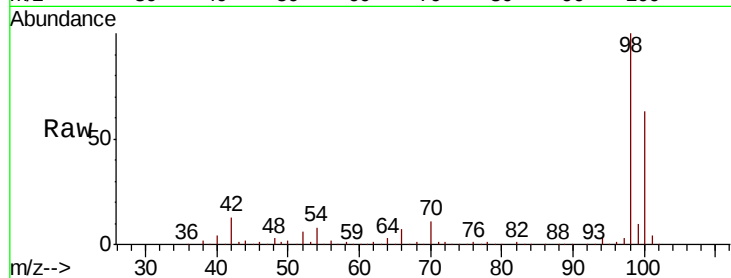
ClientSampleId :

Tot Ion: 98 Resp: 790991

Ion Ratio Lower Upper

98 100

100 62.4 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

400000

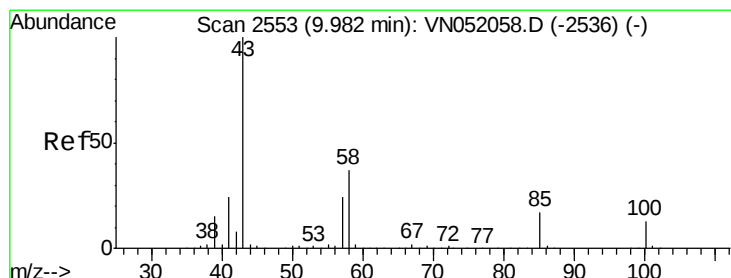
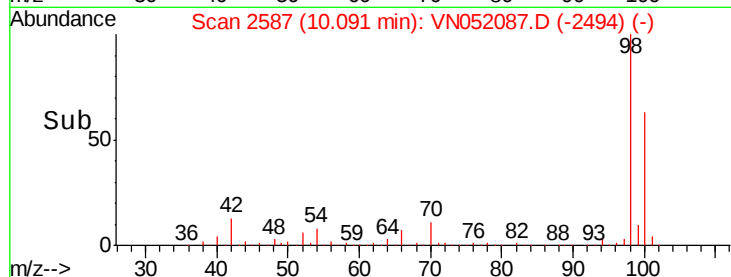
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.223 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.01 min

Lab File: VN052087.D

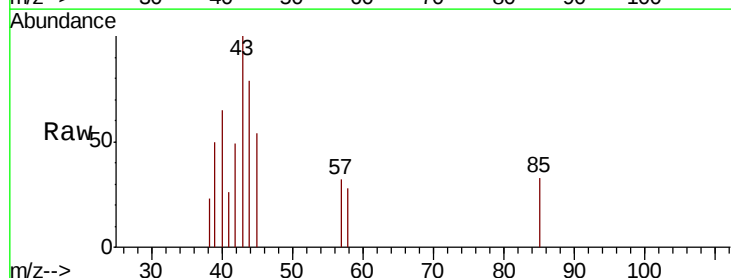
Acq: 31 Oct 2018 21:13

Tgt Ion: 43 Resp: 771

Ion Ratio Lower Upper

43 100

58 35.7 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800

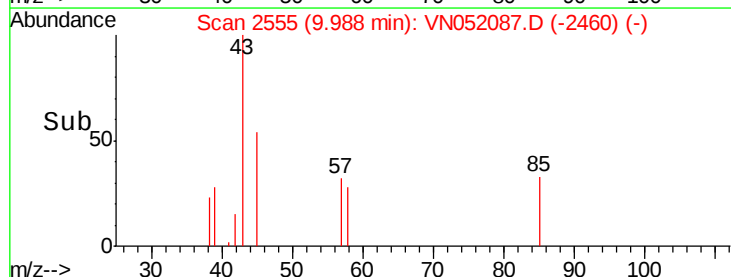
600

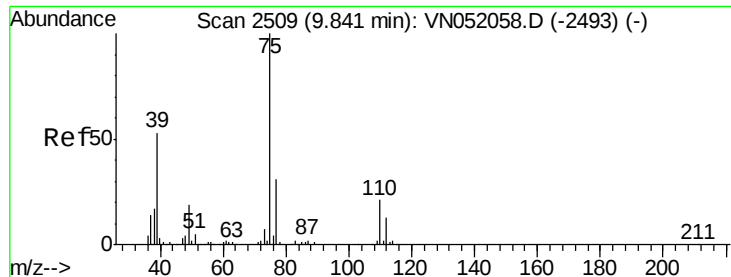
400

200

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 0.218 ug/l

RT: 9.91 min Scan# 2531

Delta R.T. 0.07 min

Lab File: VN052087.D

Acq: 31 Oct 2018 21:13

Instrument :

MSVOA_N

ClientSampled :

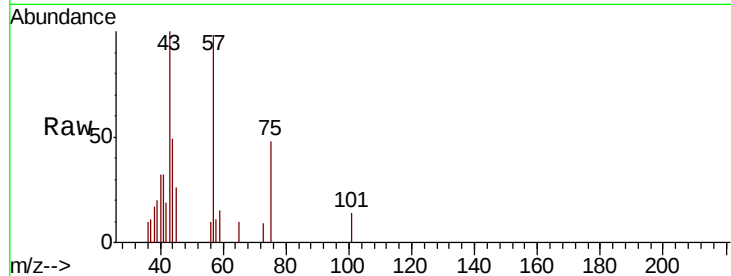
Tot Ion: 75 Resp: 1312

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#

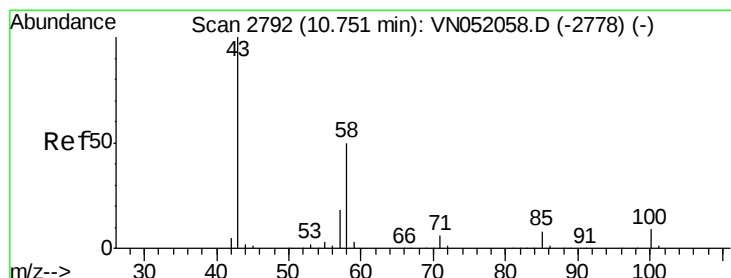
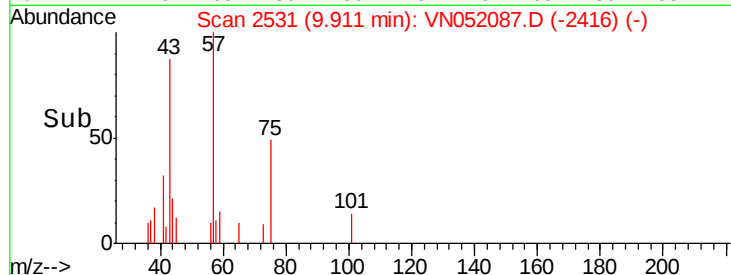
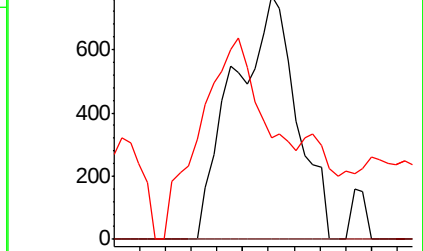
39 15.7 42.3 63.5#



Abundance Ion 74.90 (74.60 to 75.60): VN052058.D (-2493) (-)

Ion 76.90 (76.60 to 77.60): VN052058.D (-2493) (-)

Ion 39.00 (38.70 to 39.70): VN052058.D (-2493) (-)



#59

2-Hexanone

Concen: 4.250 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.02 min

Lab File: VN052087.D

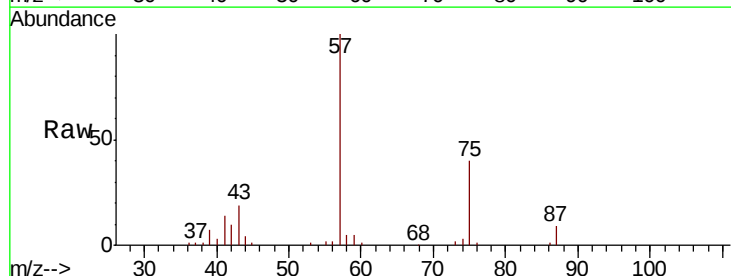
Acq: 31 Oct 2018 21:13

Tgt Ion: 43 Resp: 10449

Ion Ratio Lower Upper

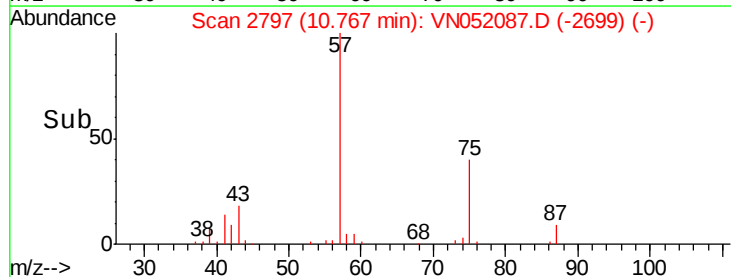
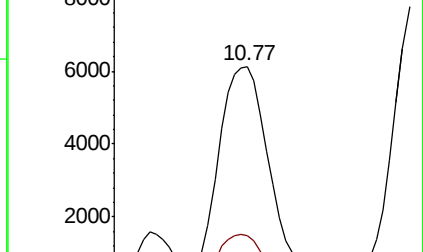
43 100

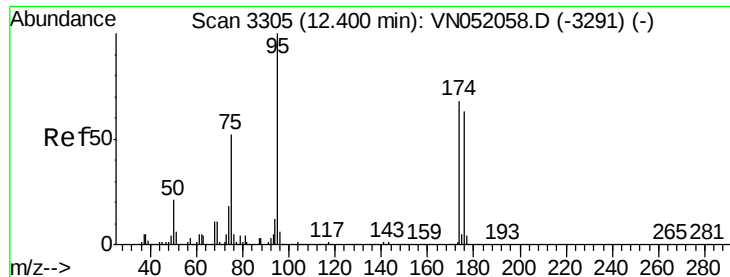
58 25.0 25.2 75.6#



Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-2778) (-)

Ion 58.00 (57.70 to 58.70): VN052058.D (-2778) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052087.D

Acq: 31 Oct 2018 21:13

Instrument :

MSVOA_N

ClientSampled :

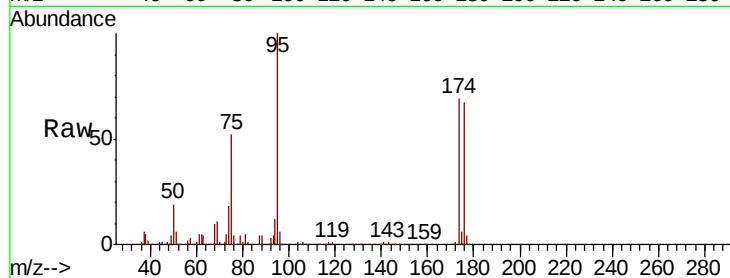
Tot Ion: 95 Resp: 269595

Ion Ratio Lower Upper

95 100

174 70.4 0.0 131.8

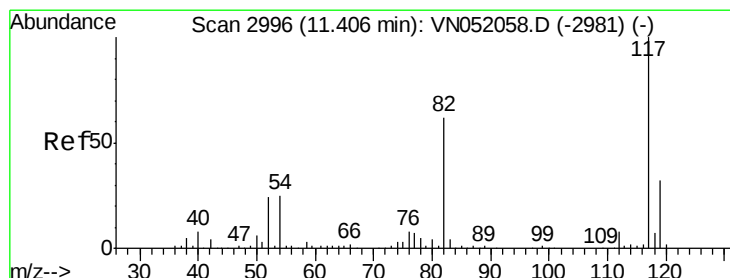
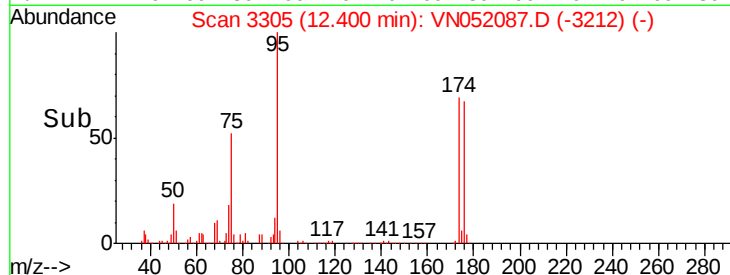
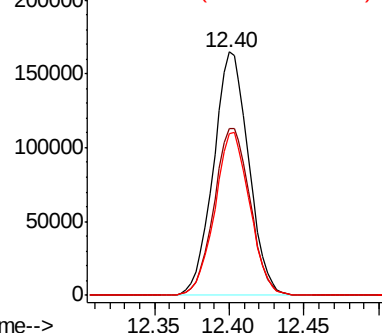
176 66.6 0.0 126.0



Abundance Ion 94.90 (94.60 to 95.60): VN052087.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN052087.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN052087.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052087.D

Acq: 31 Oct 2018 21:13

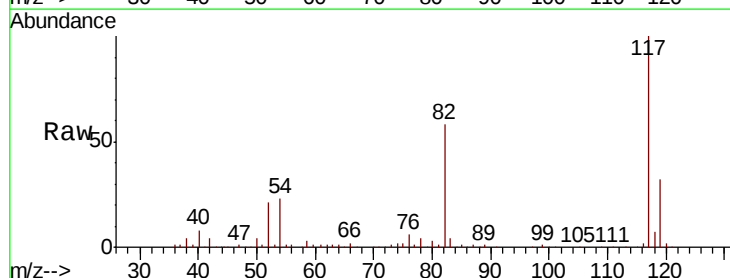
Tgt Ion: 117 Resp: 502836

Ion Ratio Lower Upper

117 100

82 57.6 49.9 74.9

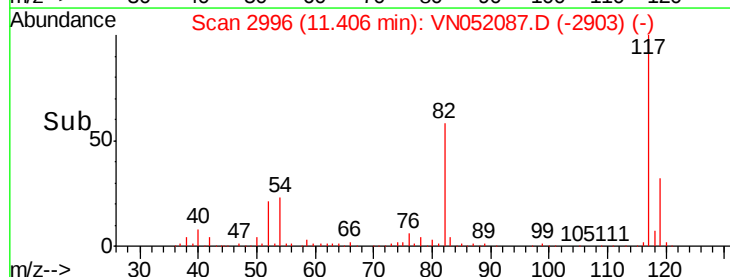
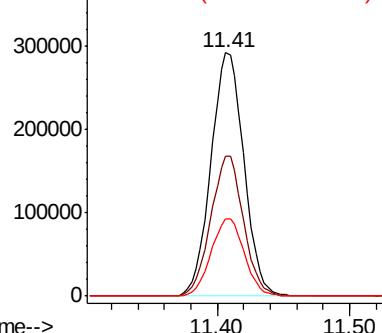
119 31.6 25.7 38.5

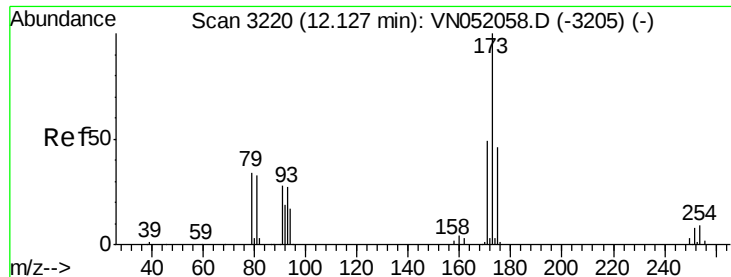


Abundance Ion 116.90 (116.60 to 117.60): VN052087.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN052087.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN052087.D (-2903) (-)





#71

Bromoform

Concen: 2.548 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN052087.D

Acq: 31 Oct 2018 21:13

Instrument :

MSVOA_N

ClientSampleId :

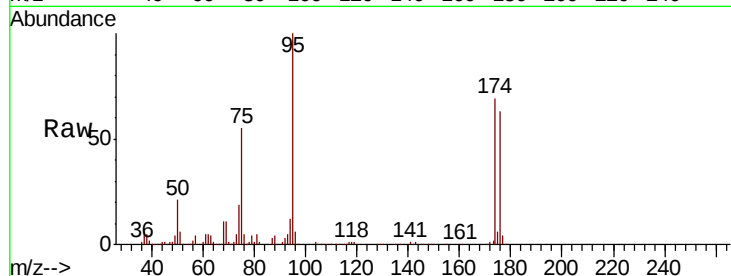
Tot Ion:173 Resp: 828

Ion Ratio Lower Upper

173 100

175 0.0 23.9 71.7#

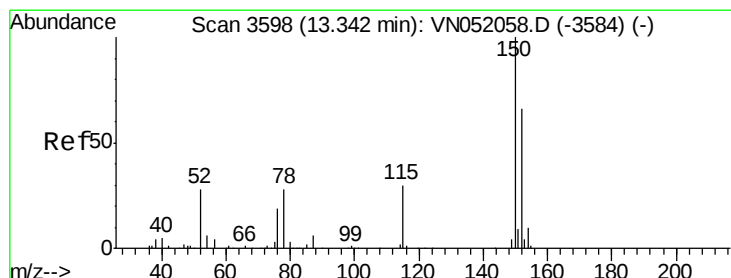
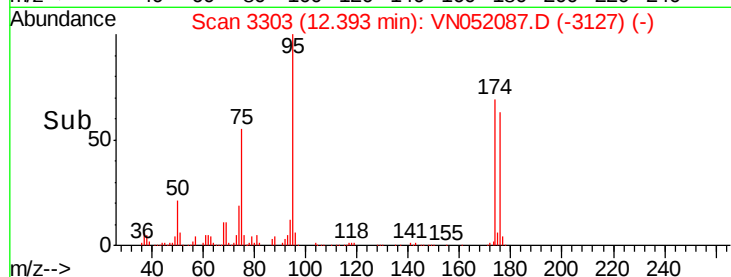
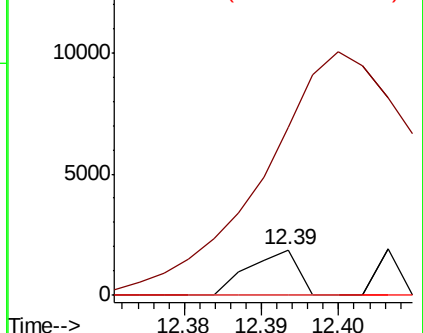
254 0.0 0.0 0.0



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: VN052087.D

Acq: 31 Oct 2018 21:13

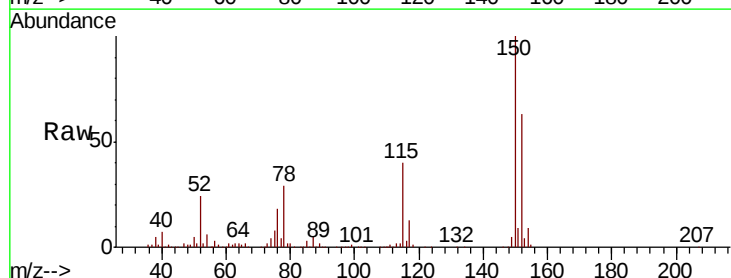
Tgt Ion:152 Resp: 196542

Ion Ratio Lower Upper

152 100

115 66.0 31.6 95.0

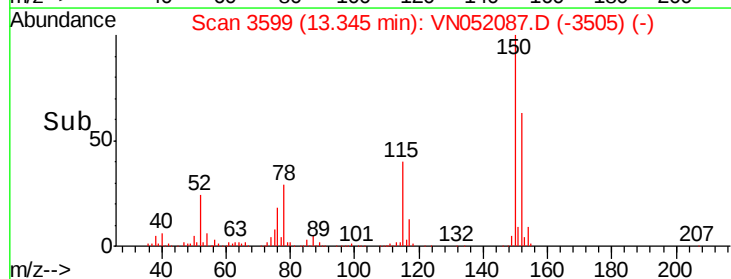
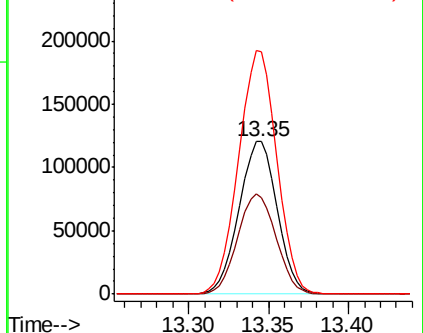
150 159.7 0.0 345.0

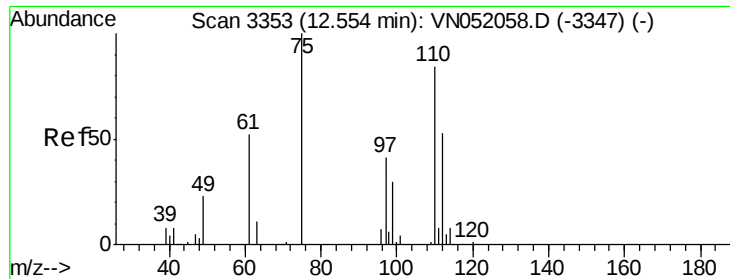


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

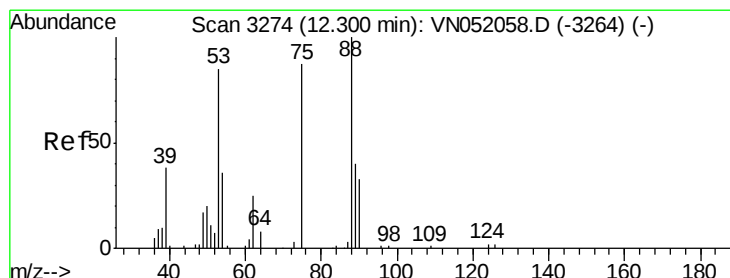
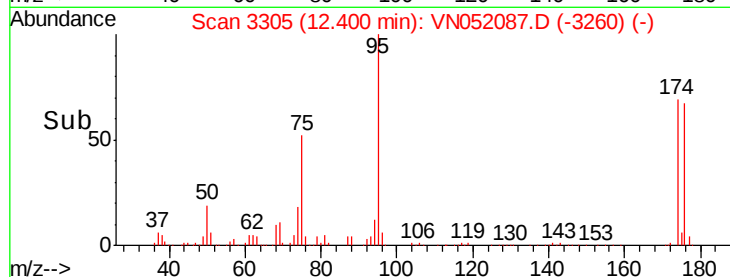
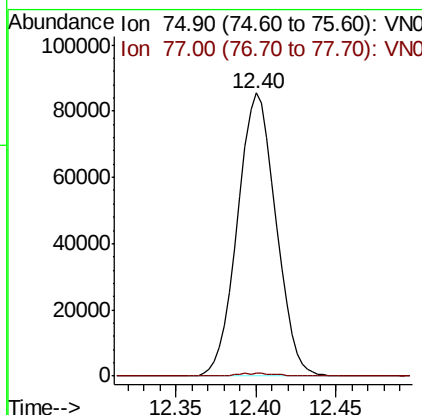
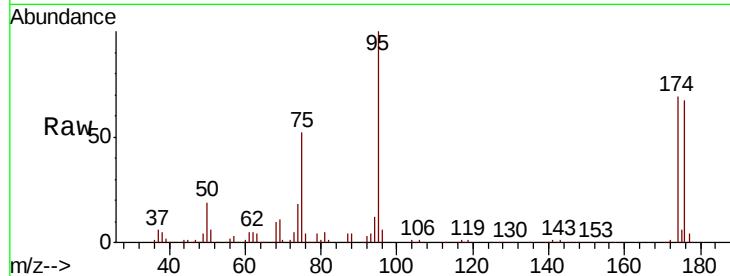




#76
 1,2,3-Trichloropropane
 Concen: 38.776 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN052087.D
 Acq: 31 Oct 2018 21:13

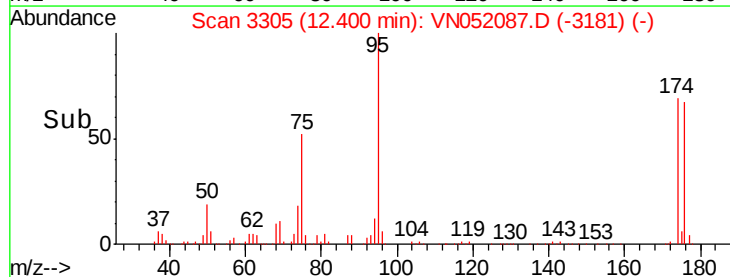
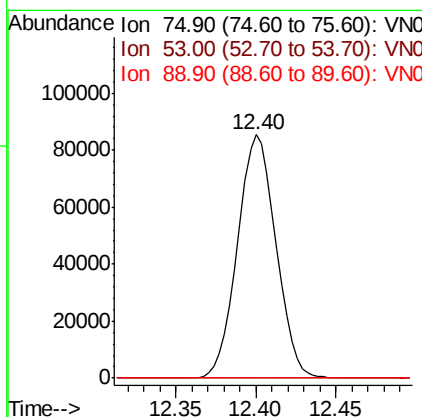
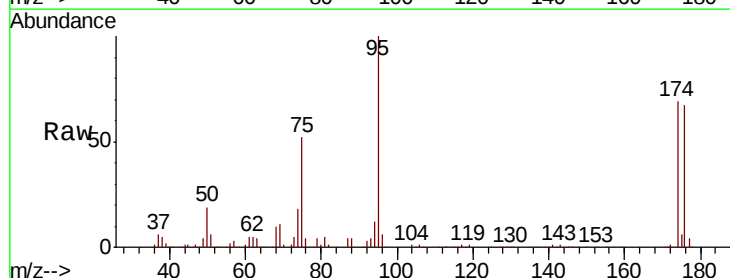
Instrument :
 MSVOA_N
 ClientSampled :

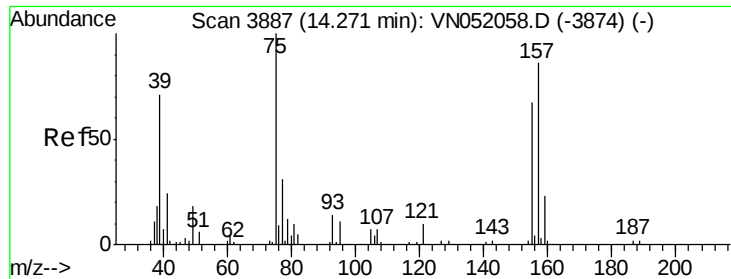
Tot Ion: 75 Resp: 139509
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.705 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN052087.D
 Acq: 31 Oct 2018 21:13

Tgt Ion: 75 Resp: 139509
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.8 122.6#
 89 0.0 36.6 54.8#

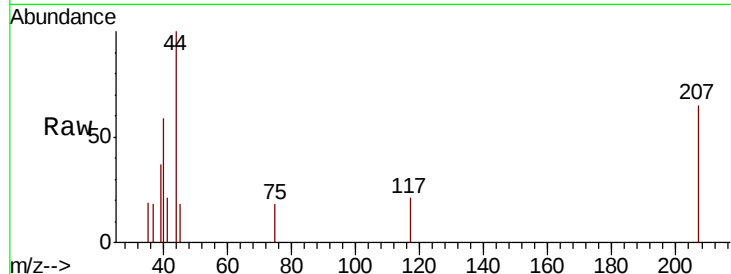




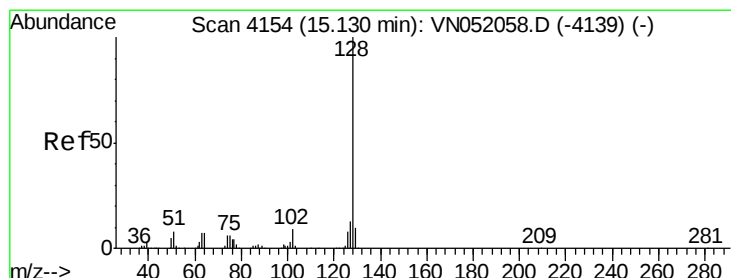
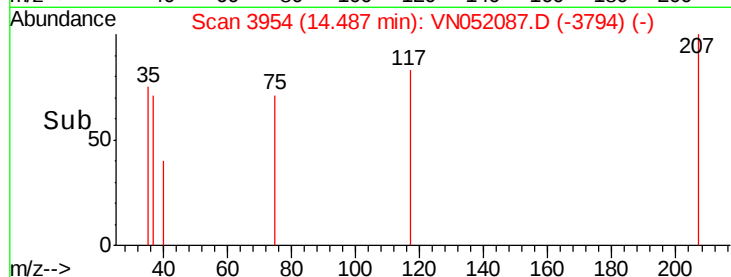
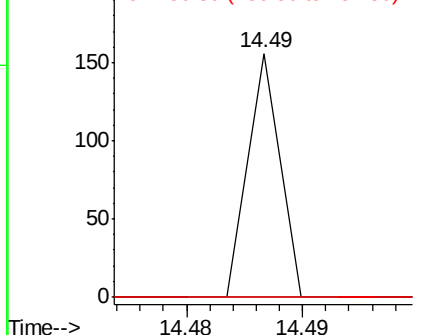
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.969 ug/l
 RT: 14.49 min Scan# 3954
 Delta R.T. 0.22 min
 Lab File: VN052087.D
 Acq: 31 Oct 2018 21:13

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 30
 Ion Ratio Lower Upper
 75 100
 155 0.0 34.0 102.0#
 157 0.0 42.1 126.4#

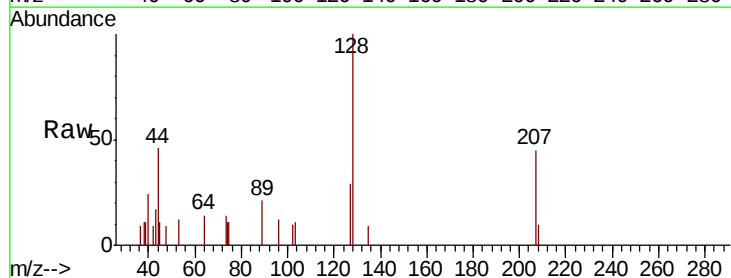


Abundance Ion 74.90 (74.60 to 75.60): VN052058.D (-3874) (-)
 Ion 154.80 (154.50 to 155.50): VN052058.D (-3874) (-)
 Ion 156.80 (156.50 to 157.50): VN052058.D (-3874) (-)



#95
 Naphthalene
 Concen: 0.628 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. -0.00 min
 Lab File: VN052087.D
 Acq: 31 Oct 2018 21:13

Tgt Ion: 128 Resp: 3538
 Ion Ratio Lower Upper
 128 100
 127 16.7 10.5 15.7#
 129 5.1 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN052058.D (-4139) (-)
 Ion 127.00 (126.70 to 127.70): VN052058.D (-4139) (-)
 Ion 129.00 (128.70 to 129.70): VN052058.D (-4139) (-)

