

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110218\
 Data File : VN052123.D
 Acq On : 2 Nov 2018 12:34
 Operator : MD\SY
 Sample : PB114370ZHE#12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114370ZHE#12

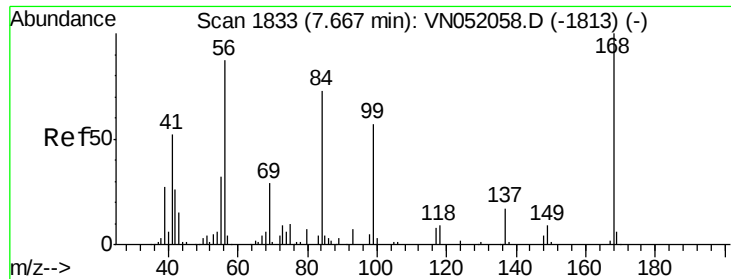
Quant Time: Nov 02 23:12:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	286614	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	526043	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	513813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	213515	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	246978	53.70	ug/l	0.00
Spiked Amount			Recovery	=	107.40%	
35) Dibromofluoromethane	7.59	113	204238	62.06	ug/l	0.00
Spiked Amount			Recovery	=	124.12%	
50) Toluene-d8	10.09	98	811938	61.73	ug/l	0.00
Spiked Amount			Recovery	=	123.46%	
62) 4-Bromofluorobenzene	12.40	95	274719	56.89	ug/l	0.00
Spiked Amount			Recovery	=	113.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	116	0.504	ug/l #	76
13) Acrolein	3.62	56	118	24.498	ug/l #	1
16) Acetone	3.82	43	13319	13.567	ug/l #	89
18) Methyl Acetate	4.34	43	3878	1.241	ug/l #	80
20) Methylene Chloride	4.55	84	4174	1.116	ug/l #	86
25) 2-Butanone	6.84	43	757	0.492	ug/l #	50
31) Cyclohexane	7.67	56	8322	Below Cal	#	26
36) 1,1-Dichloropropene	7.67	75	25320	4.734	ug/l #	51
38) Carbon Tetrachloride	7.67	117	32145	6.970	ug/l #	16
41) Methacrylonitrile	7.18	41	160	0.229	ug/l #	8
43) Isopropyl Acetate	8.17	43	188587	29.616	ug/l	97
48) Methyl methacrylate	9.18	41	5405	1.674	ug/l #	17
54) cis-1,3-Dichloropropene	9.91	75	1553	0.257	ug/l #	66
59) 2-Hexanone	10.77	43	13201	5.352	ug/l #	58
71) Bromoform	12.38	173	449	2.375	ug/l #	29
76) 1,2,3-Trichloropropane	12.40	75	143082	36.608	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	143082	121.508	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.24	75	77	1.038	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

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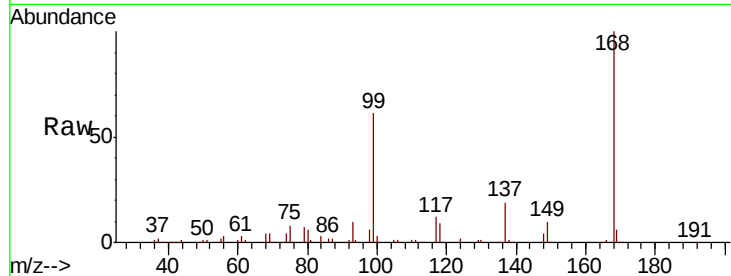
PB114370ZHE#12

Tot Ion:168 Resp: 286614

Ion Ratio Lower Upper

168 100

99 61.2 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

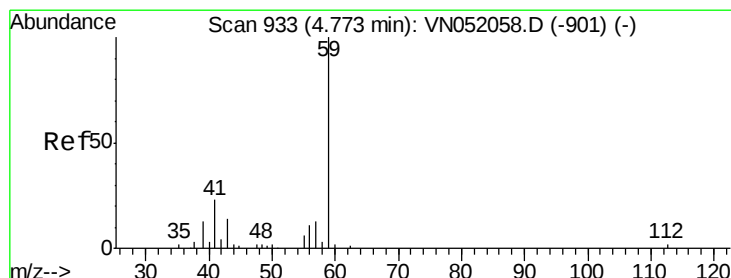
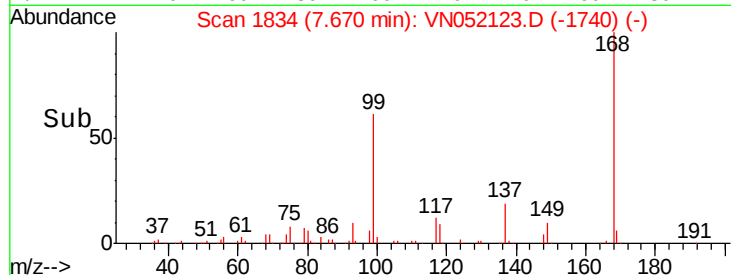
7.67

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.504 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.01 min

Lab File: VN052123.D

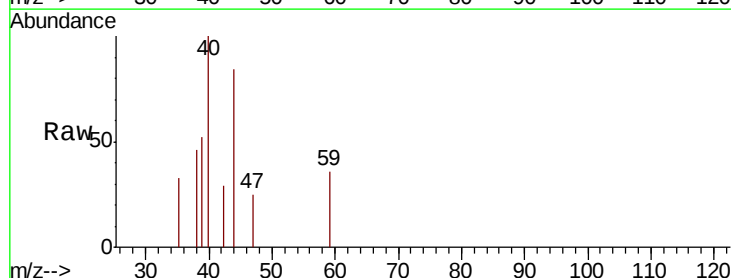
Acq: 2 Nov 2018 12:34

Tgt Ion: 59 Resp: 116

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

4.78

250

200

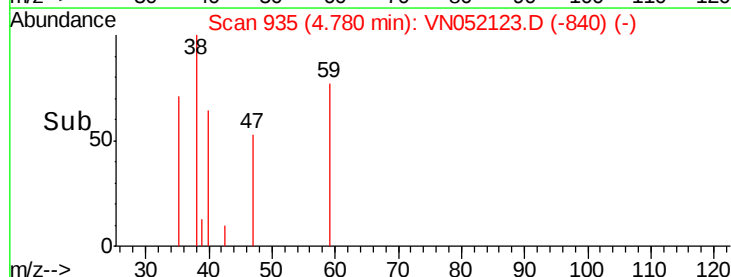
150

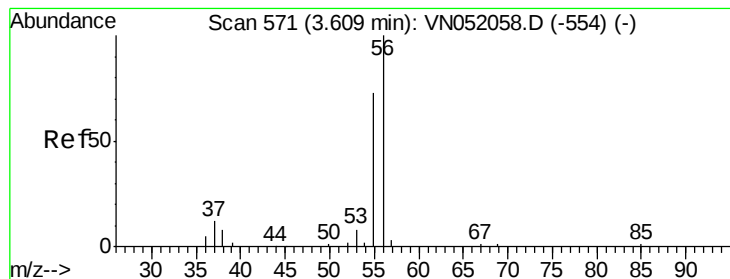
100

50

0

Time-->





#13

Acrolein

Concen: 24.498 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN052123.D

Acq: 2 Nov 2018 12:34

Instrument :

MSVOA_N

ClientSampleId :

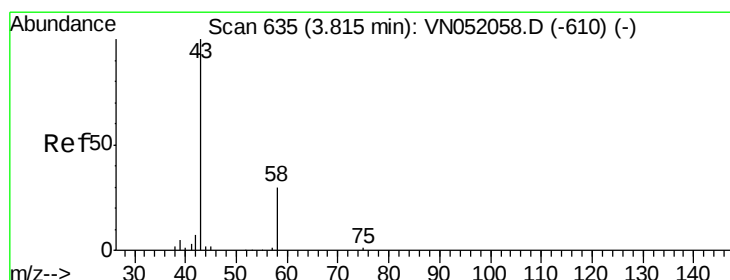
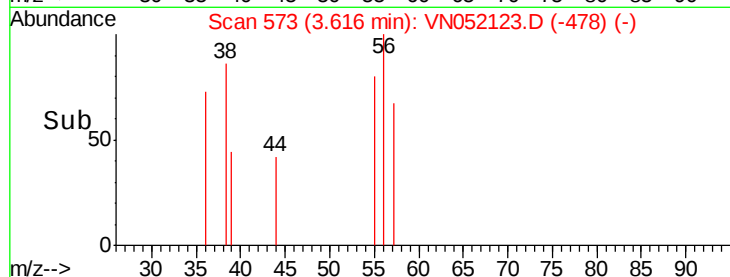
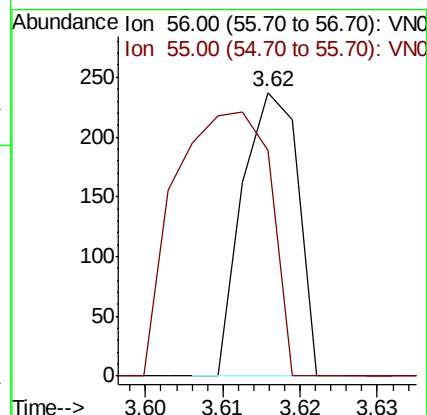
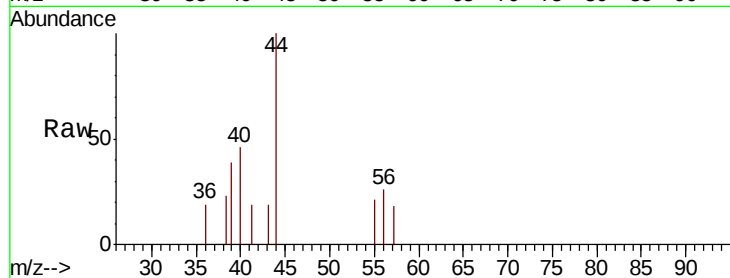
PB114370ZHE#12

Tot Ion: 56 Resp: 118

Ion Ratio Lower Upper

56 100

55 160.2 59.9 89.9#



#16

Acetone

Concen: 13.567 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052123.D

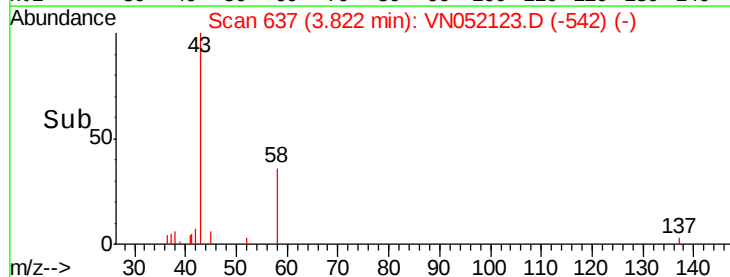
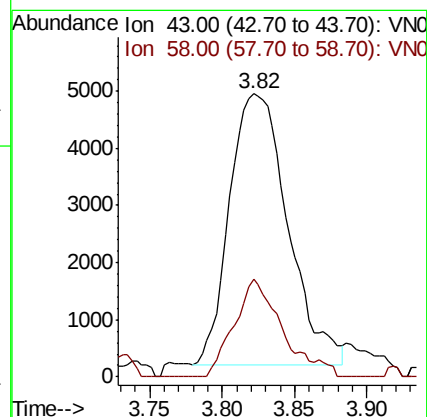
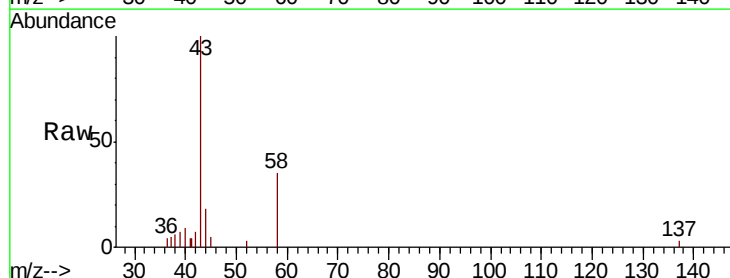
Acq: 2 Nov 2018 12:34

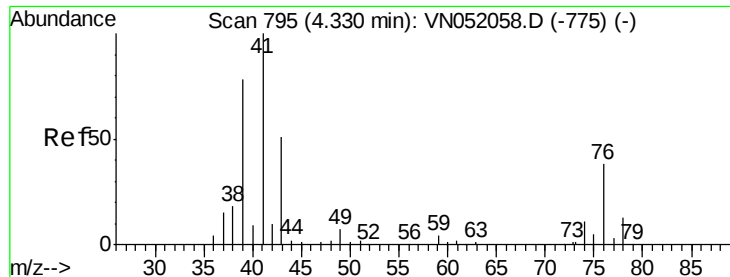
Tgt Ion: 43 Resp: 13319

Ion Ratio Lower Upper

43 100

58 36.3 24.2 36.2#

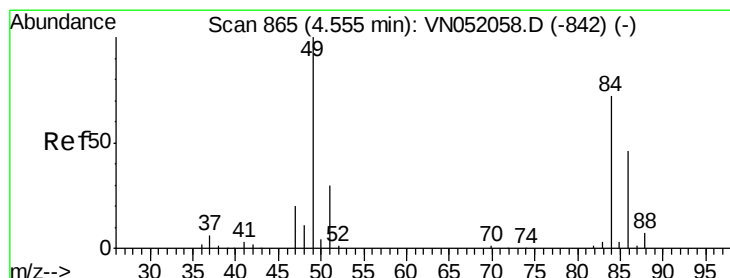
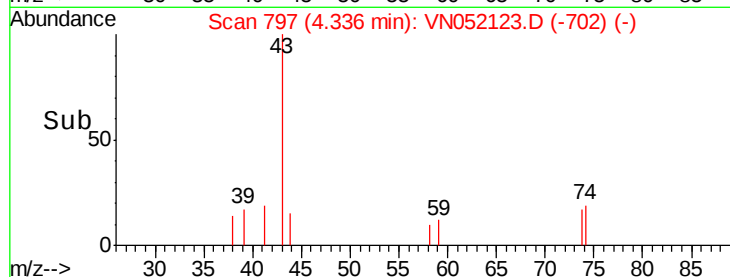
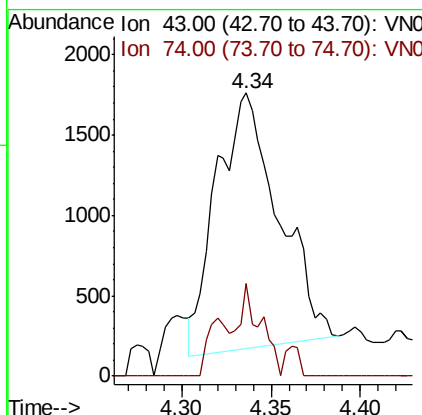
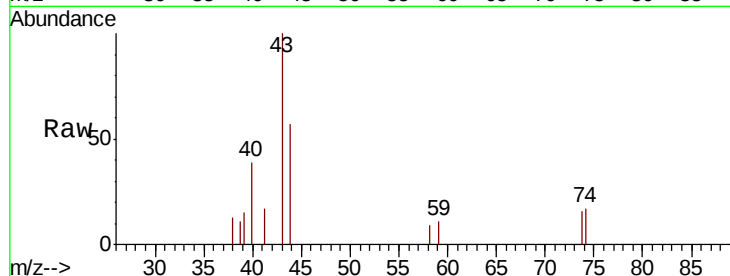




#18
Methvl Acetate
Concen: 1.241 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN052123.D
Acq: 2 Nov 2018 12:34

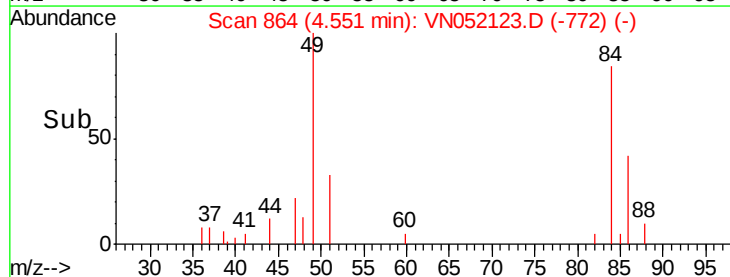
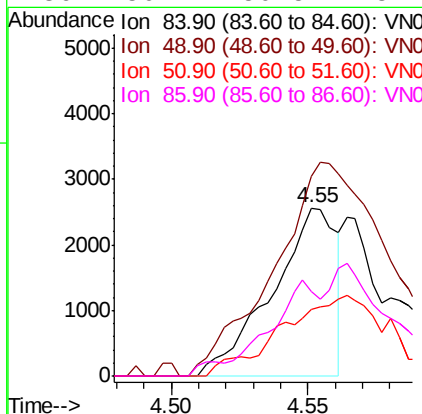
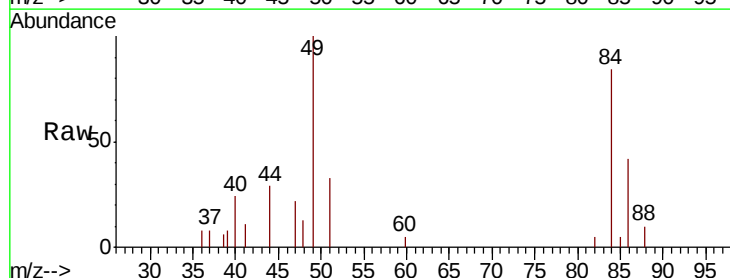
Instrument :
MSVOA_N
ClientSampleId :
PB114370ZHE#12

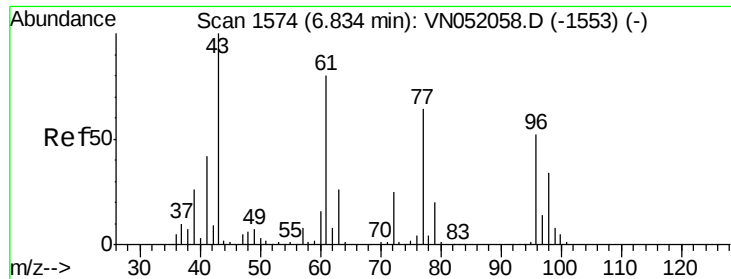
Tot Ion: 43 Resp: 3878
Ion Ratio Lower Upper
43 100
74 12.9 17.9 26.9#



#20
Methylene Chloride
Concen: 1.116 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052123.D
Acq: 2 Nov 2018 12:34

Tgt Ion: 84 Resp: 4174
Ion Ratio Lower Upper
84 100
49 118.8 110.6 165.8
51 39.7 33.7 50.5
86 50.4 50.5 75.7#





#25

2-Butanone

Concen: 0.492 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VN052123.D

Acq: 2 Nov 2018 12:34

Instrument :

MSVOA_N

ClientSampleId :

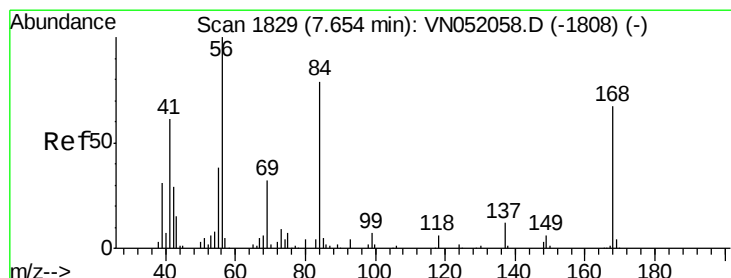
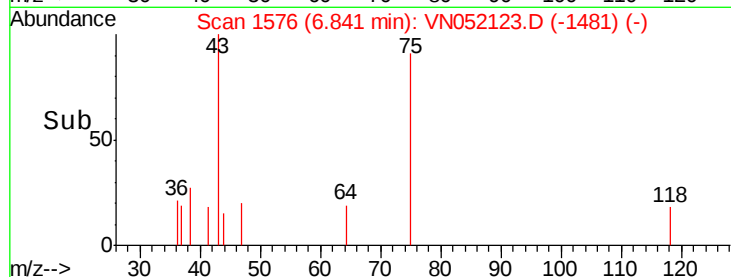
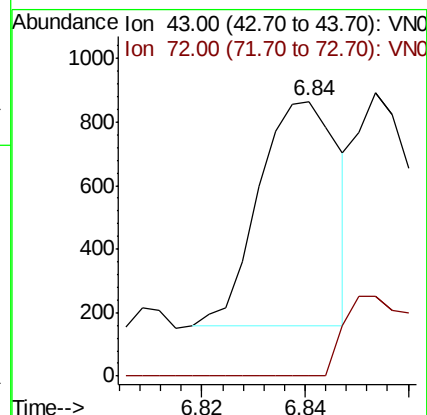
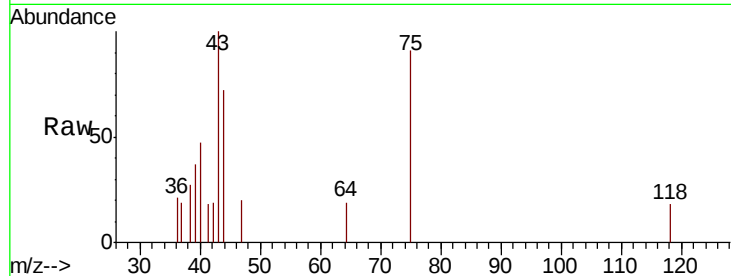
PB114370ZHE#12

Tot Ion: 43 Resp: 757

Ion Ratio Lower Upper

43 100

72 0.0 20.2 30.2#



#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN052123.D

Acq: 2 Nov 2018 12:34

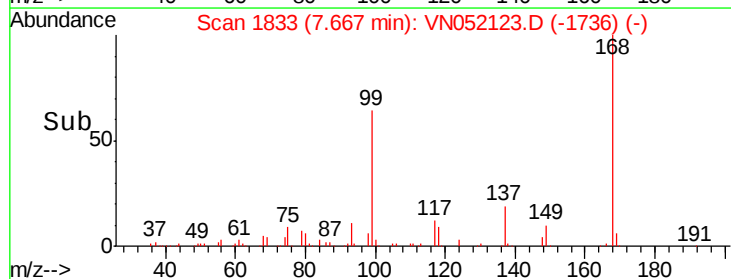
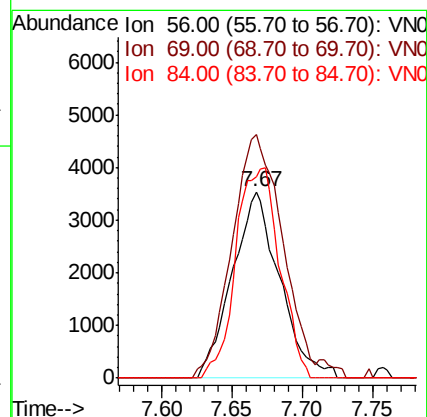
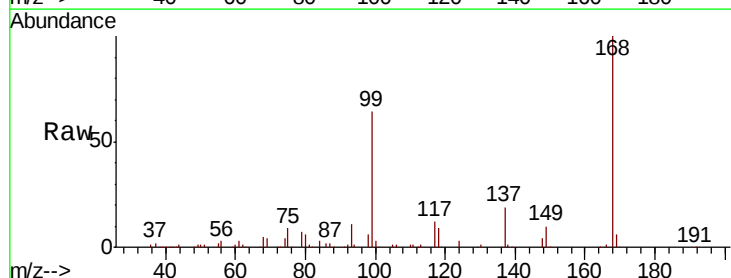
Tgt Ion: 56 Resp: 8322

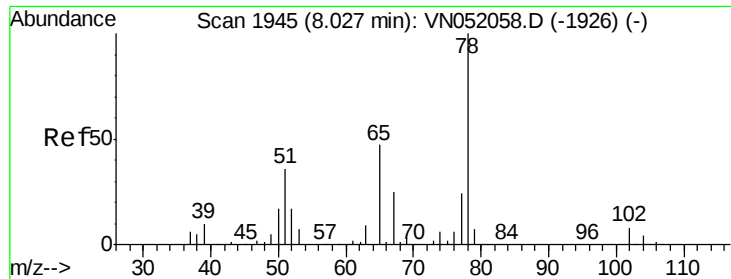
Ion Ratio Lower Upper

56 100

69 130.7 25.8 38.6#

84 108.0 63.5 95.3#

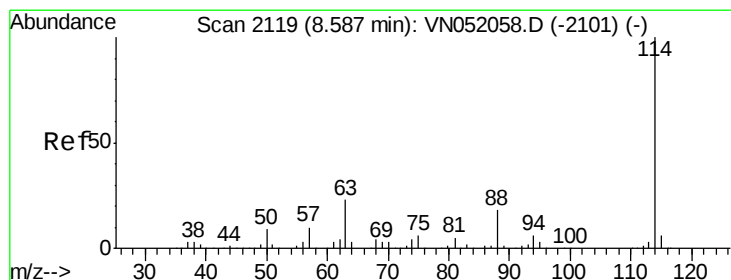
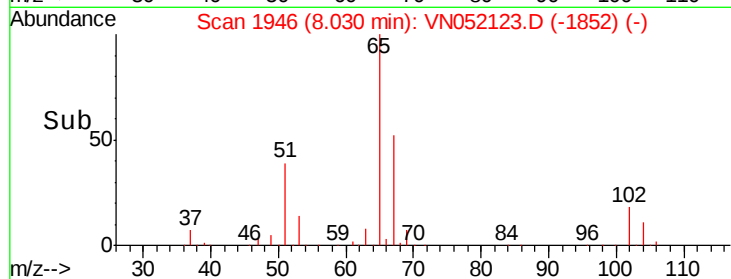
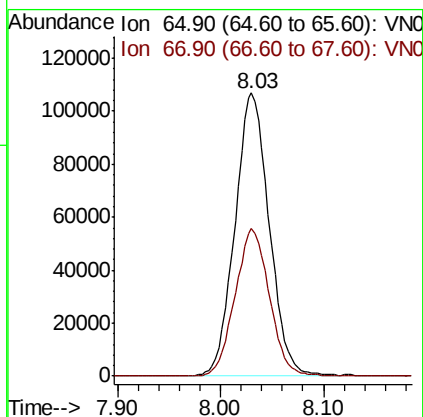
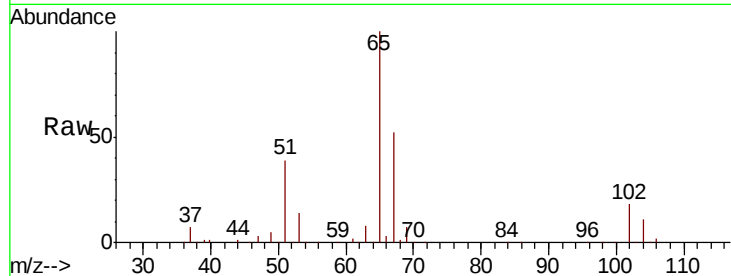




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052123.D
 Acq: 2 Nov 2018 12:34

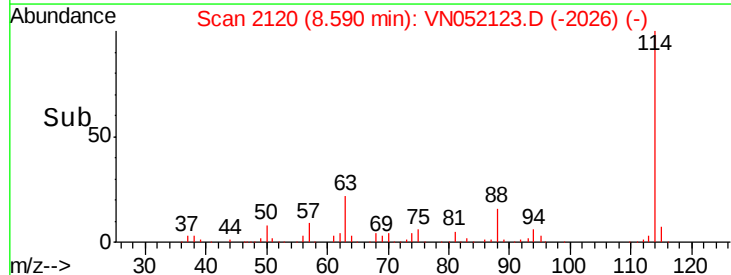
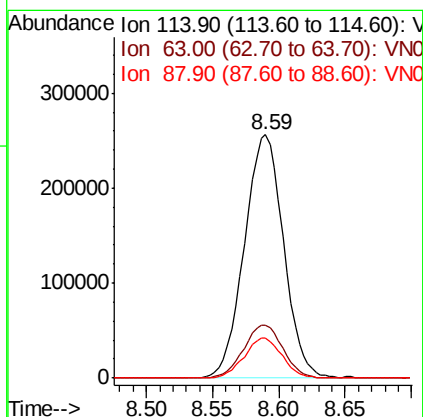
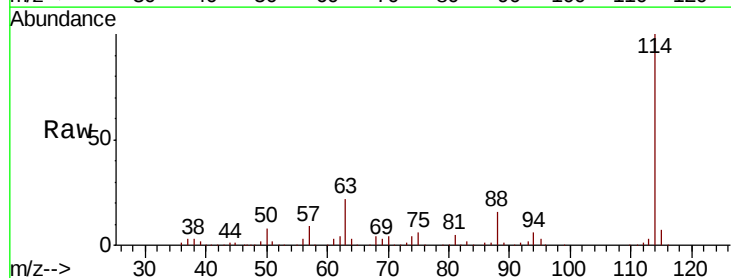
Instrument :
 MSVOA_N
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 PB114370ZHE#12

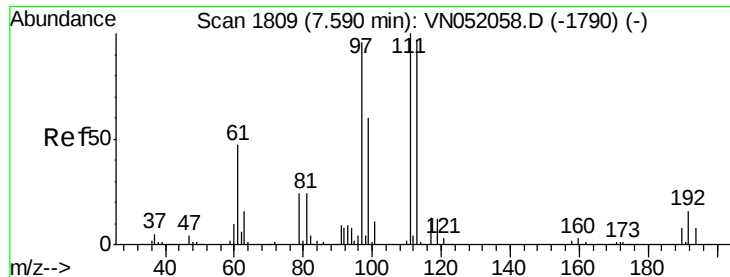
Tot Ion: 65 Resp: 246978
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN052123.D
 Acq: 2 Nov 2018 12:34

Tgt Ion: 114 Resp: 526043
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 46.0
 88 16.4 0.0 35.4

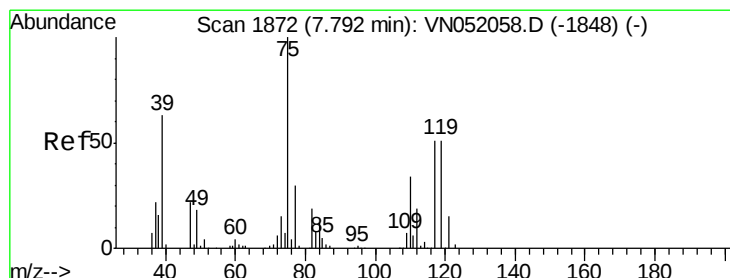
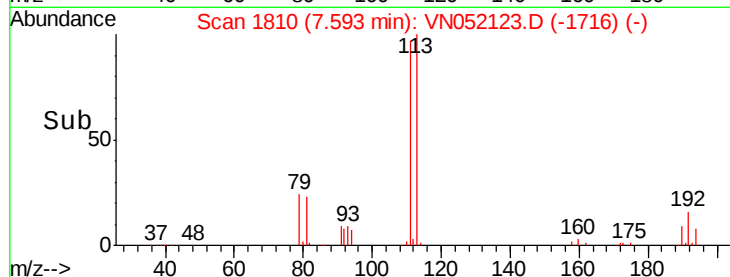
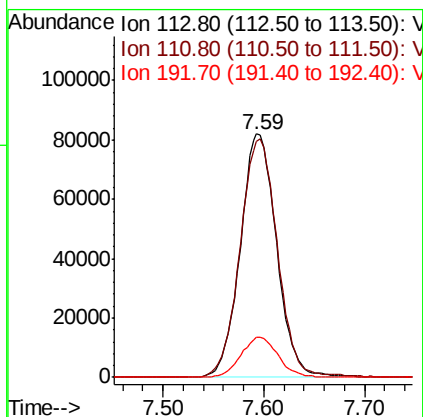
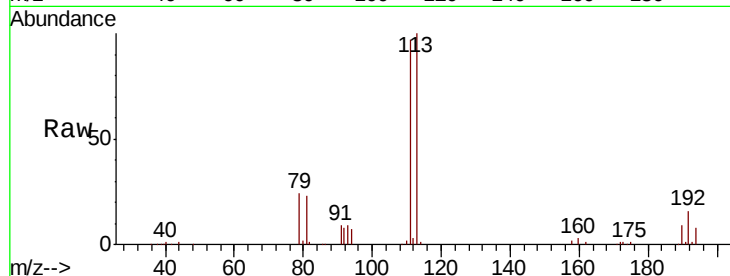




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052123.D
 Acq: 2 Nov 2018 12:34

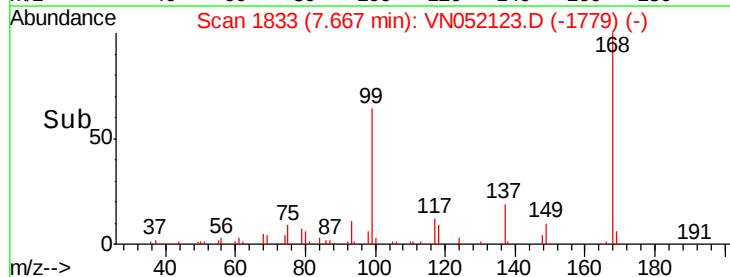
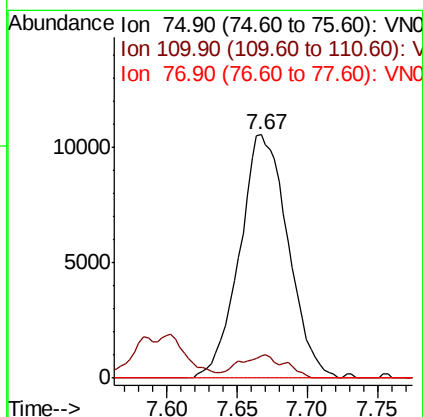
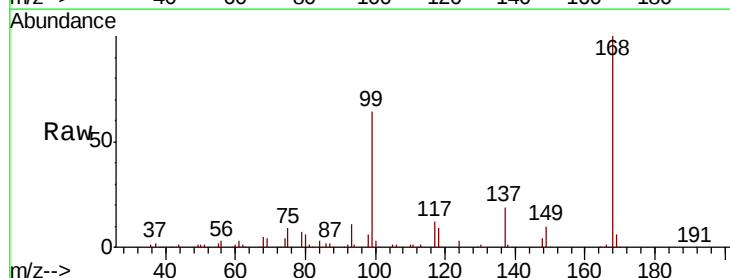
Instrument :
 MSVOA_N
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 PB114370ZHE#12

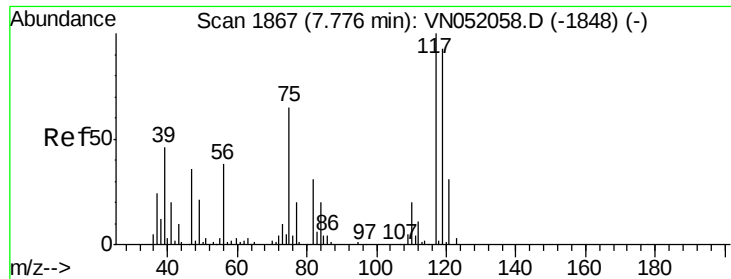
Tot Ion:113 Resp: 204238
 Ion Ratio Lower Upper
 113 100
 111 101.1 83.1 124.7
 192 17.0 12.7 19.1



#36
 1,1-Dichloropropene
 Concen: 4.734 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052123.D
 Acq: 2 Nov 2018 12:34

Tgt Ion: 75 Resp: 25320
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.0 48.0#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.970 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN052123.D

Acq: 2 Nov 2018 12:34

Instrument :

MSVOA_N

ClientSampleId :

PB114370ZHE#12

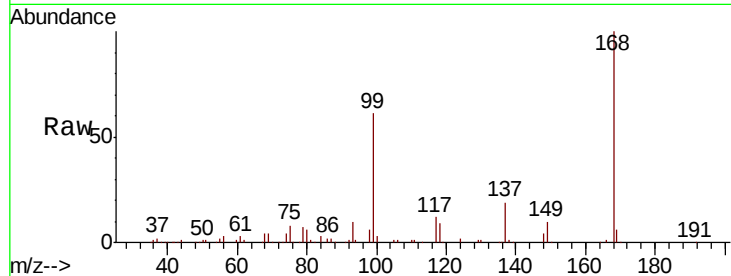
Tot Ion:117 Resp: 32145

Ion Ratio Lower Upper

117 100

119 3.4 74.8 112.2#

121 0.0 25.1 37.7#

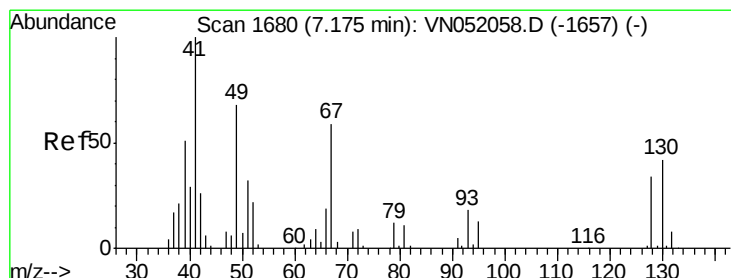
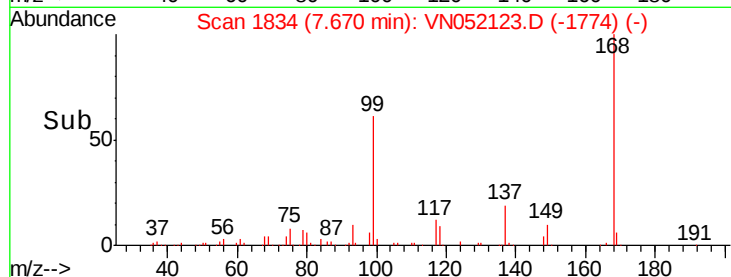
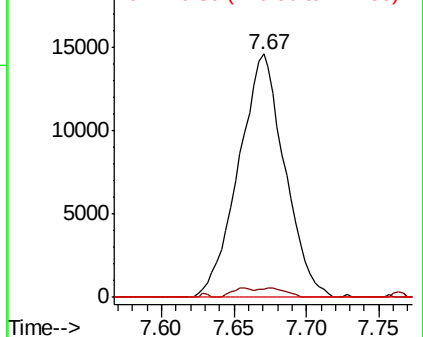


Abundance

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: 0.229 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN052123.D

Acq: 2 Nov 2018 12:34

Tgt Ion: 41 Resp: 160

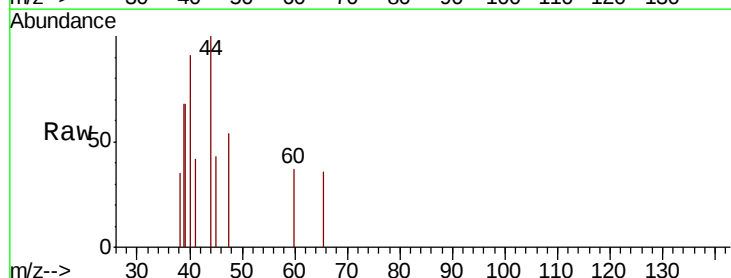
Ion Ratio Lower Upper

41 100

39 118.8 33.2 49.8#

67 0.0 63.5 95.3#

52 0.0 25.6 38.4#



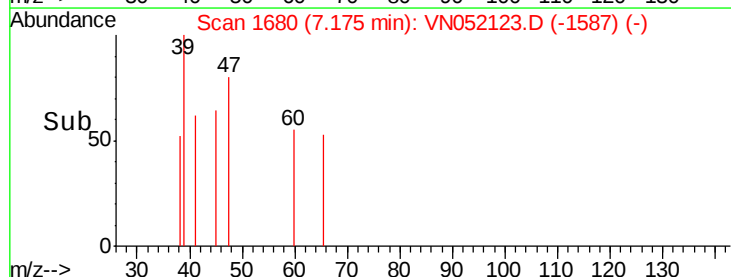
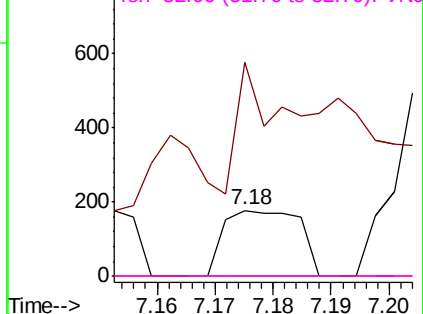
Abundance

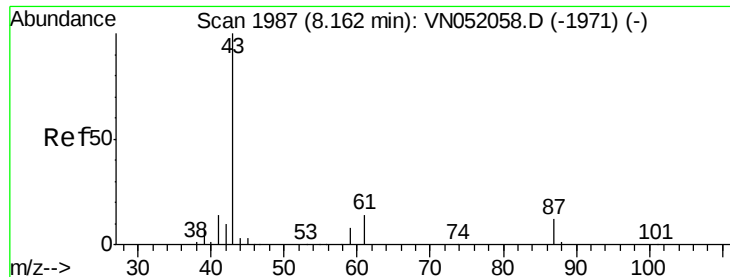
Ion 41.00 (40.70 to 41.70): VNO

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: 29.616 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052123.D

Acq: 2 Nov 2018 12:34

Instrument :

MSVOA_N

ClientSampleId :

PB114370ZHE#12

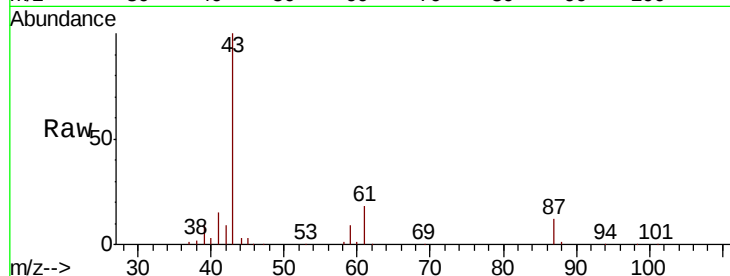
Tot Ion: 43 Resp: 188587

Ion Ratio Lower Upper

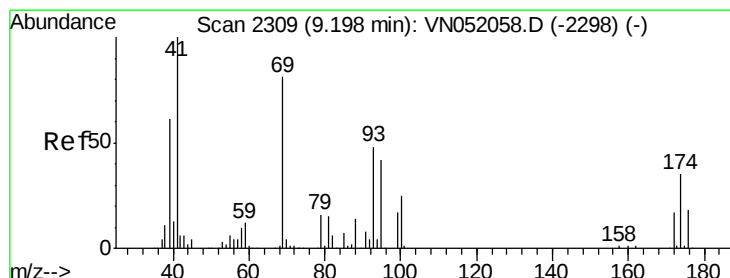
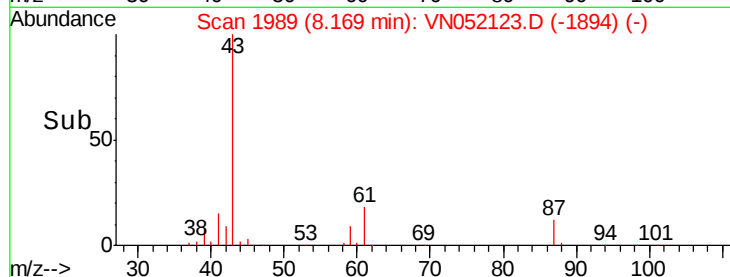
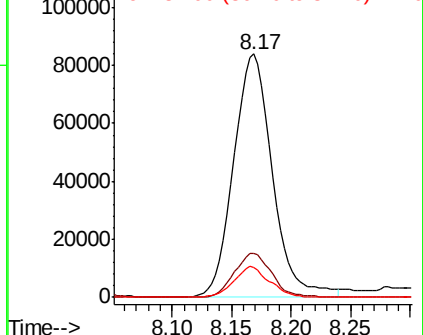
43 100

61 17.5 15.4 23.0

87 11.8 9.8 14.8



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



#48

Methyl methacrylate

Concen: 1.674 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN052123.D

Acq: 2 Nov 2018 12:34

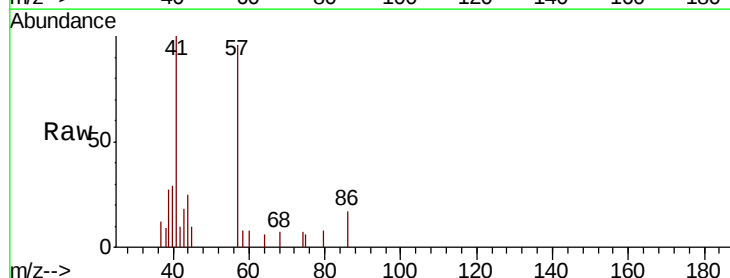
Tgt Ion: 41 Resp: 5405

Ion Ratio Lower Upper

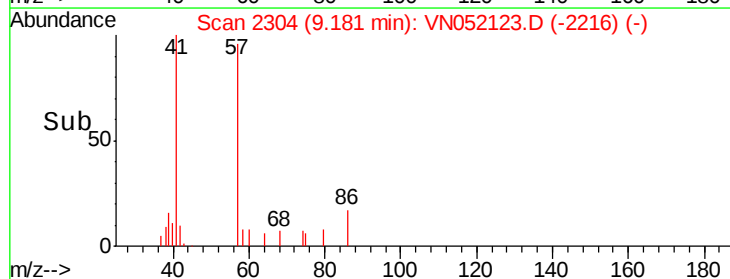
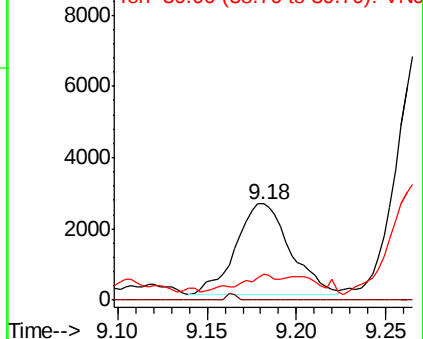
41 100

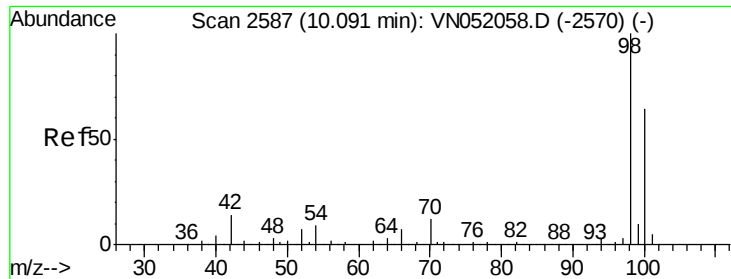
69 1.2 67.1 100.7#

39 6.4 50.5 75.7#



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





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN052123.D

Acq: 2 Nov 2018 12:34

Instrument :

MSVOA_N

ClientSampleId :

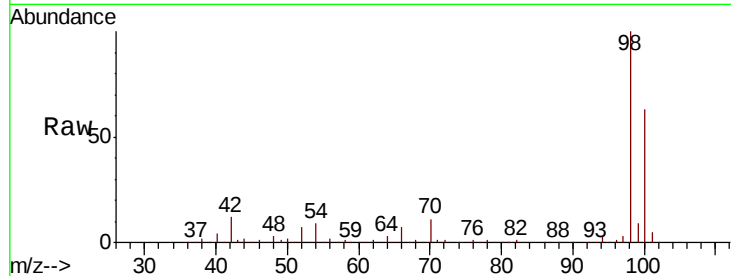
PB114370ZHE#12

Tot Ion: 98 Resp: 811938

Ion Ratio Lower Upper

98 100

100 62.2 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN052058.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052058.D (-2570) (-)

10.09

400000

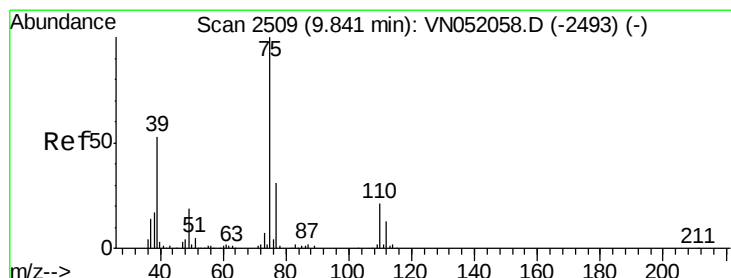
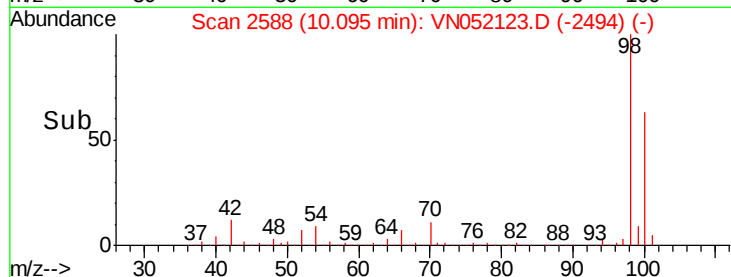
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 0.257 ug/l

RT: 9.91 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN052123.D

Acq: 2 Nov 2018 12:34

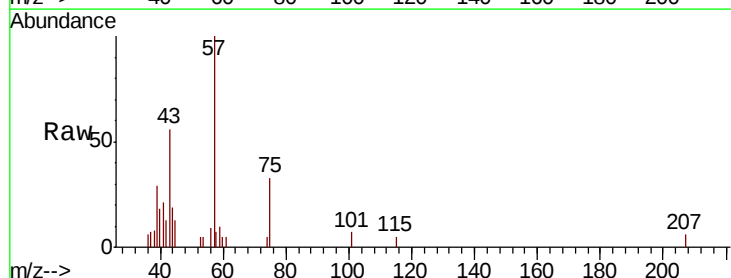
Tgt Ion: 75 Resp: 1553

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#

39 68.1 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) (-)

9.91

1200

1000

800

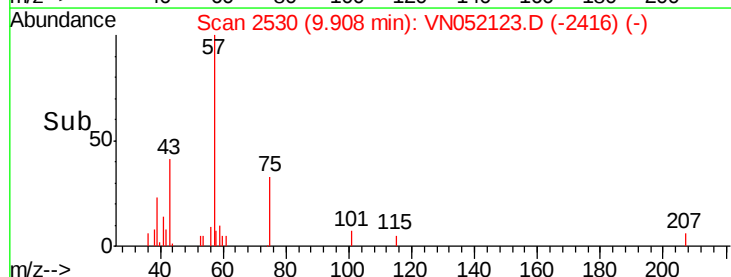
600

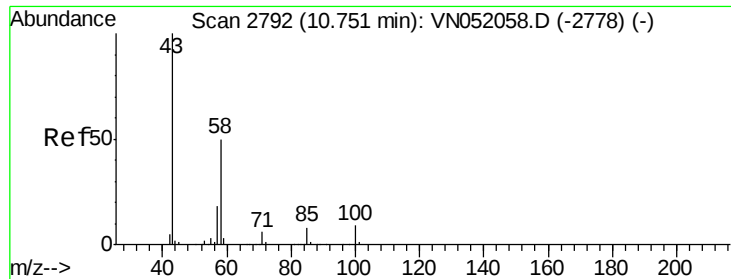
400

200

0

Time-->





#59

2-Hexanone

Concen: 5.352 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.02 min

Lab File: VN052123.D

Acq: 2 Nov 2018 12:34

Instrument :

MSVOA_N

ClientSampleId :

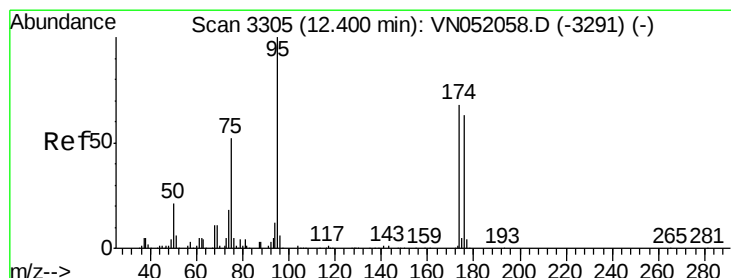
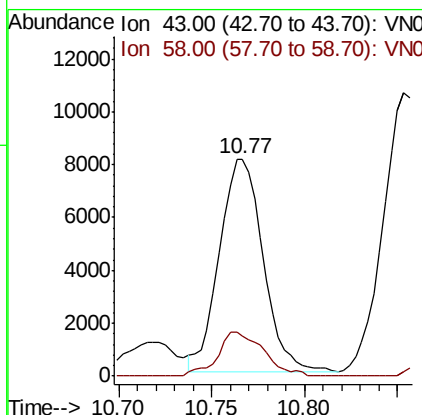
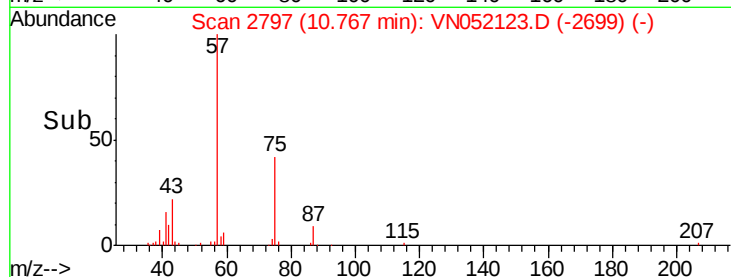
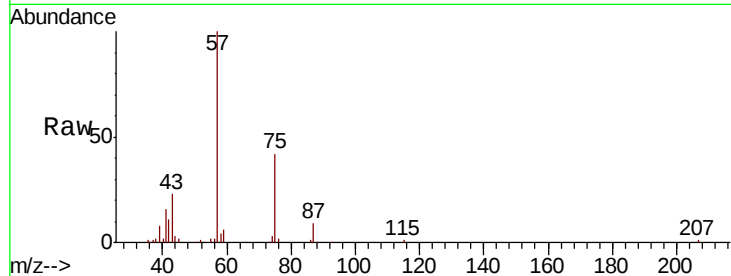
PB114370ZHE#12

Tot Ion: 43 Resp: 13201

Ion Ratio Lower Upper

43 100

58 21.7 25.2 75.6#



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052123.D

Acq: 2 Nov 2018 12:34

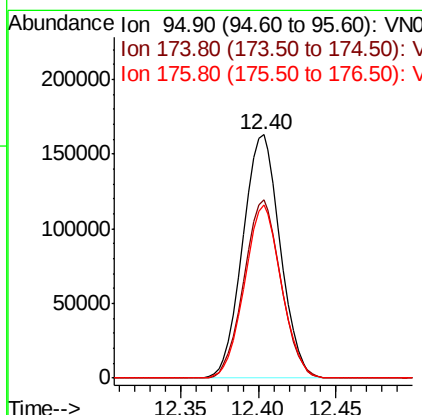
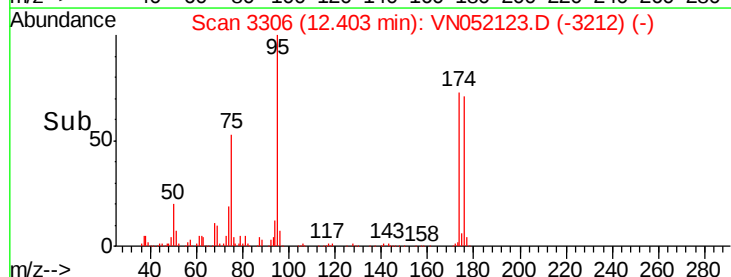
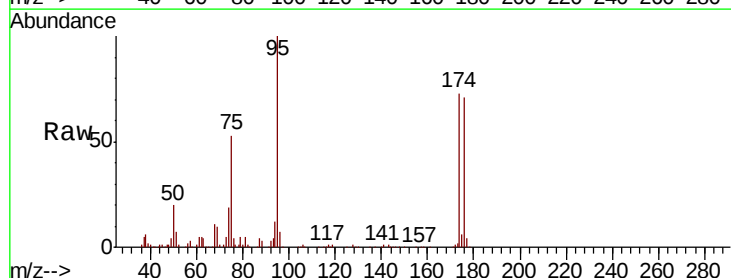
Tgt Ion: 95 Resp: 274719

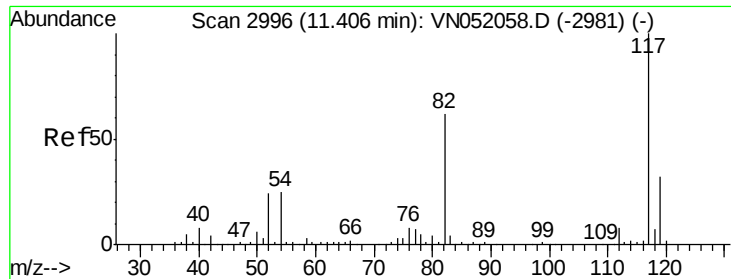
Ion Ratio Lower Upper

95 100

174 72.7 0.0 131.8

176 70.0 0.0 126.0

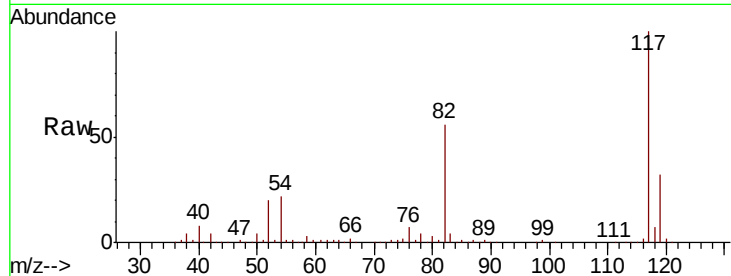




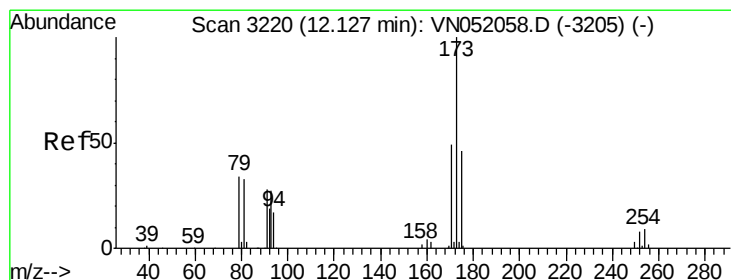
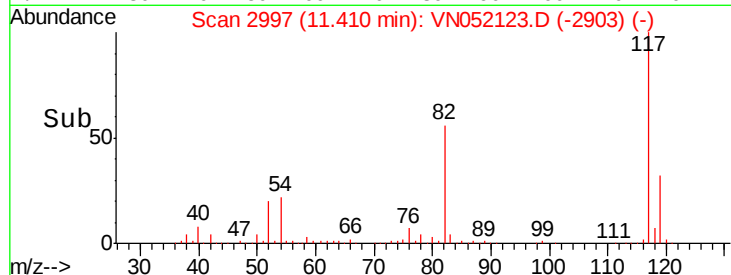
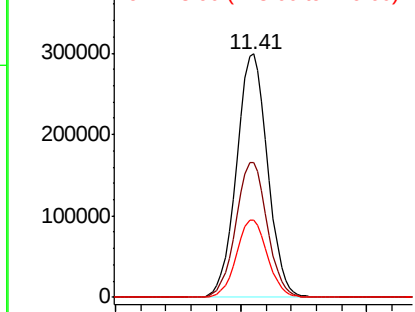
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052123.D
Acq: 2 Nov 2018 12:34

Instrument :
MSVOA_N
ClientSampleId :
PB114370ZHE#12

Tot Ion:117 Resp: 513813
Ion Ratio Lower Upper
117 100
82 55.6 49.9 74.9
119 31.9 25.7 38.5

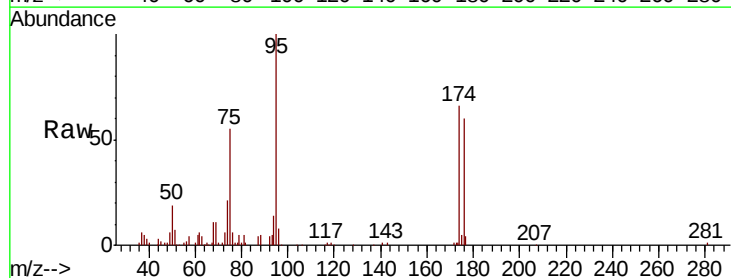


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

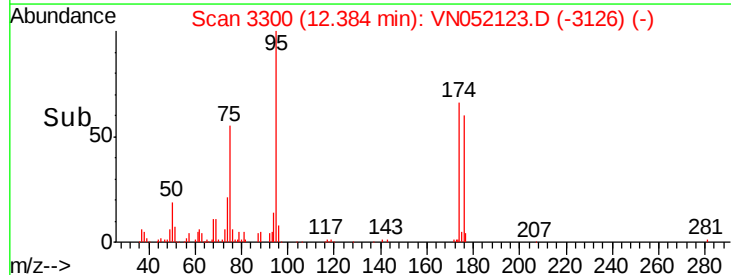
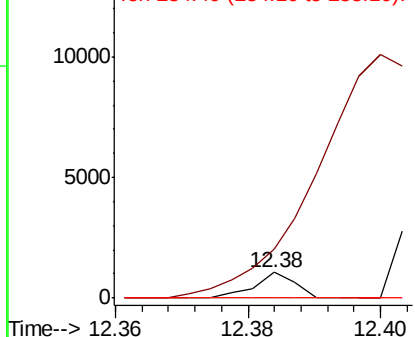


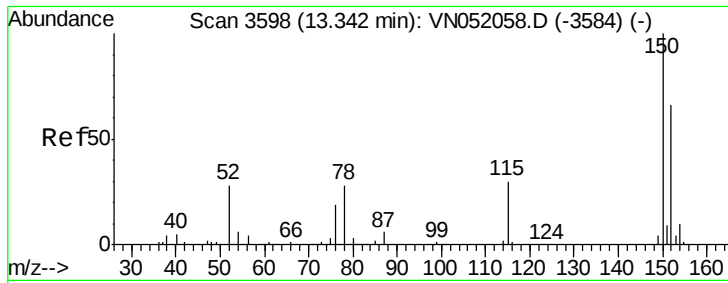
#71
Bromoform
Concen: 2.375 ug/l
RT: 12.38 min Scan# 3300
Delta R.T. 0.26 min
Lab File: VN052123.D
Acq: 2 Nov 2018 12:34

Tgt Ion:173 Resp: 449
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: VN052123.D

Acq: 2 Nov 2018 12:34

Instrument :

MSVOA_N

ClientSampleId :

PB114370ZHE#12

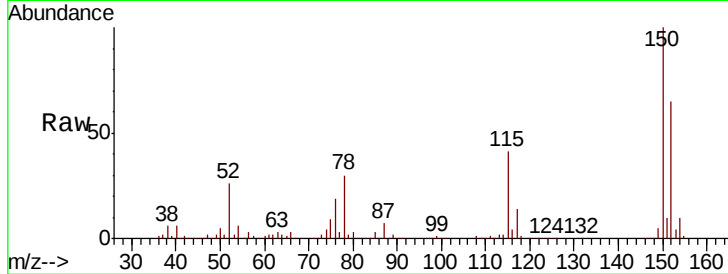
Tot Ion:152 Resp: 213515

Ion Ratio Lower Upper

152 100

115 62.0 31.6 95.0

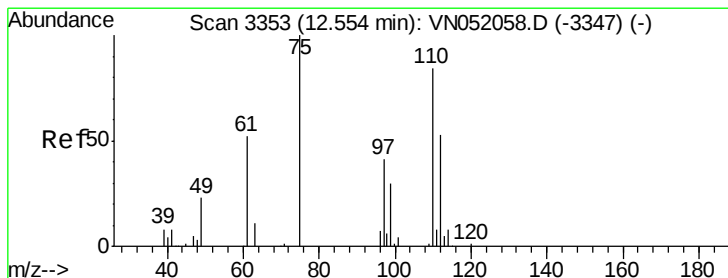
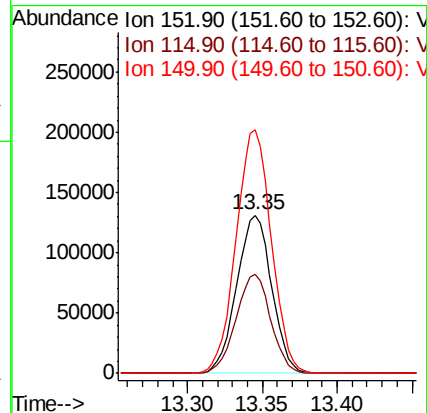
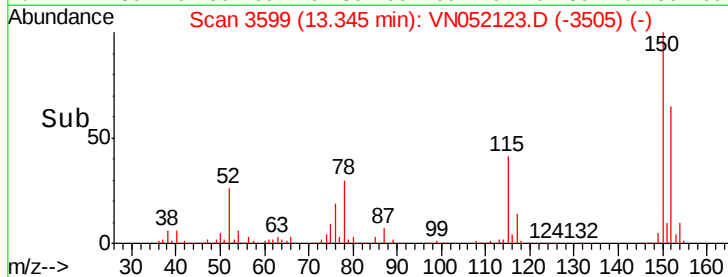
150 154.8 0.0 345.0



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: 36.608 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052123.D

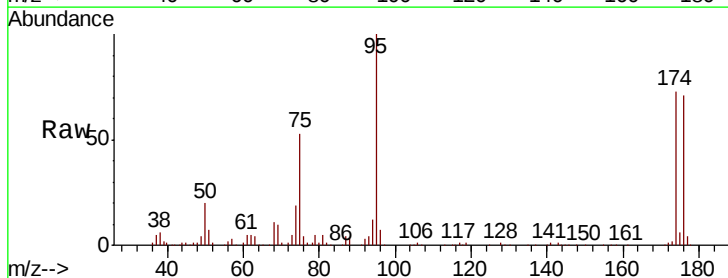
Acq: 2 Nov 2018 12:34

Tgt Ion: 75 Resp: 143082

Ion Ratio Lower Upper

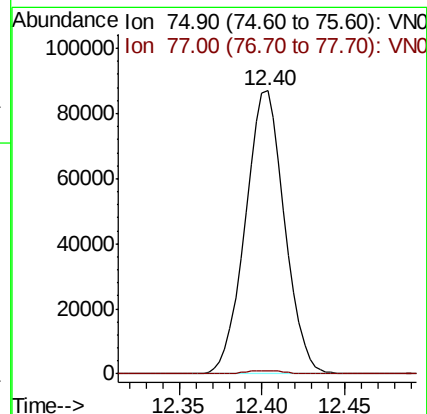
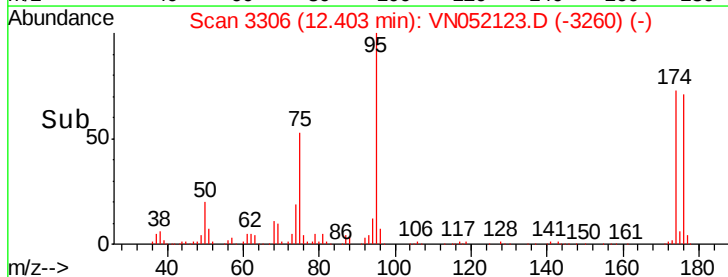
75 100

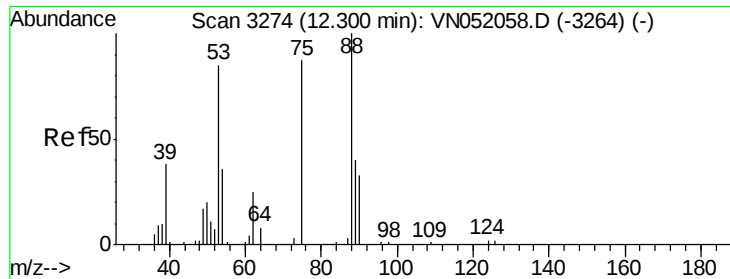
77 1.2 0.0 0.0#



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: 121.508 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052123.D

Acq: 2 Nov 2018 12:34

Instrument :

MSVOA_N

ClientSampleId :

PB114370ZHE#12

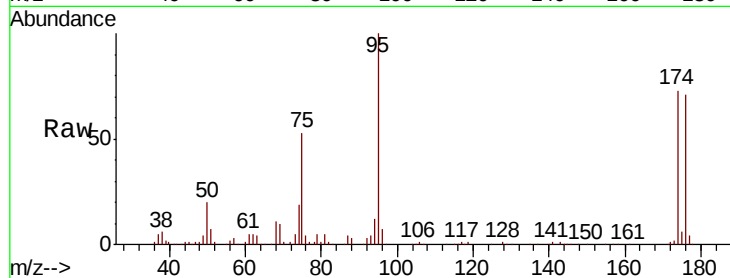
Tot Ion: 75 Resp: 143082

Ion Ratio Lower Upper

75 100

53 0.0 81.8 122.6#

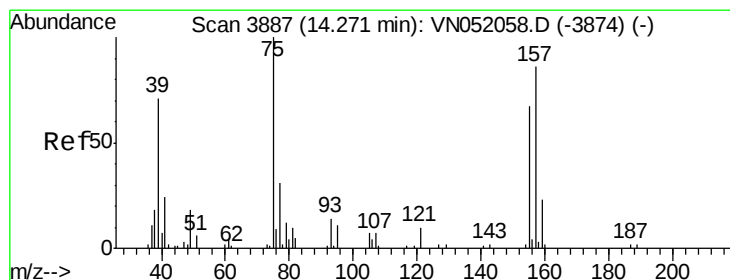
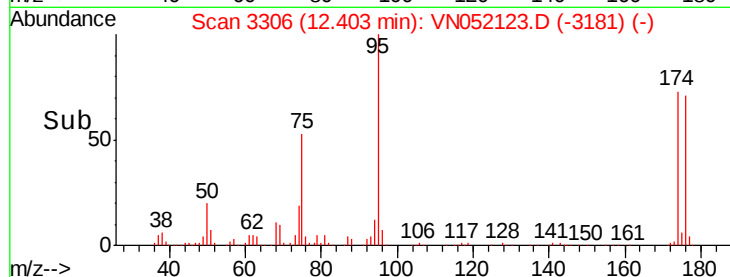
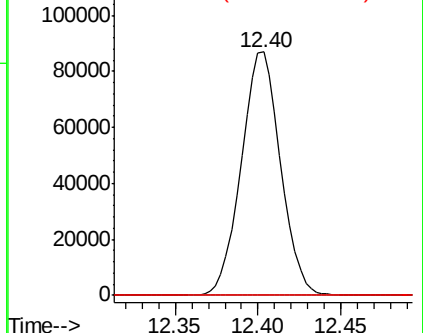
89 0.0 36.6 54.8#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.038 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.03 min

Lab File: VN052123.D

Acq: 2 Nov 2018 12:34

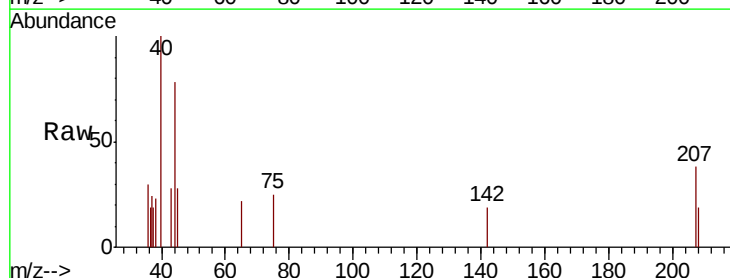
Tgt Ion: 75 Resp: 77

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): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

