

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122718\
 Data File : VN053203.D
 Acq On : 27 Dec 2018 11:03
 Operator : MD\SY
 Sample : J6571-04 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 50082-50083

Quant Time: Dec 28 00:46:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

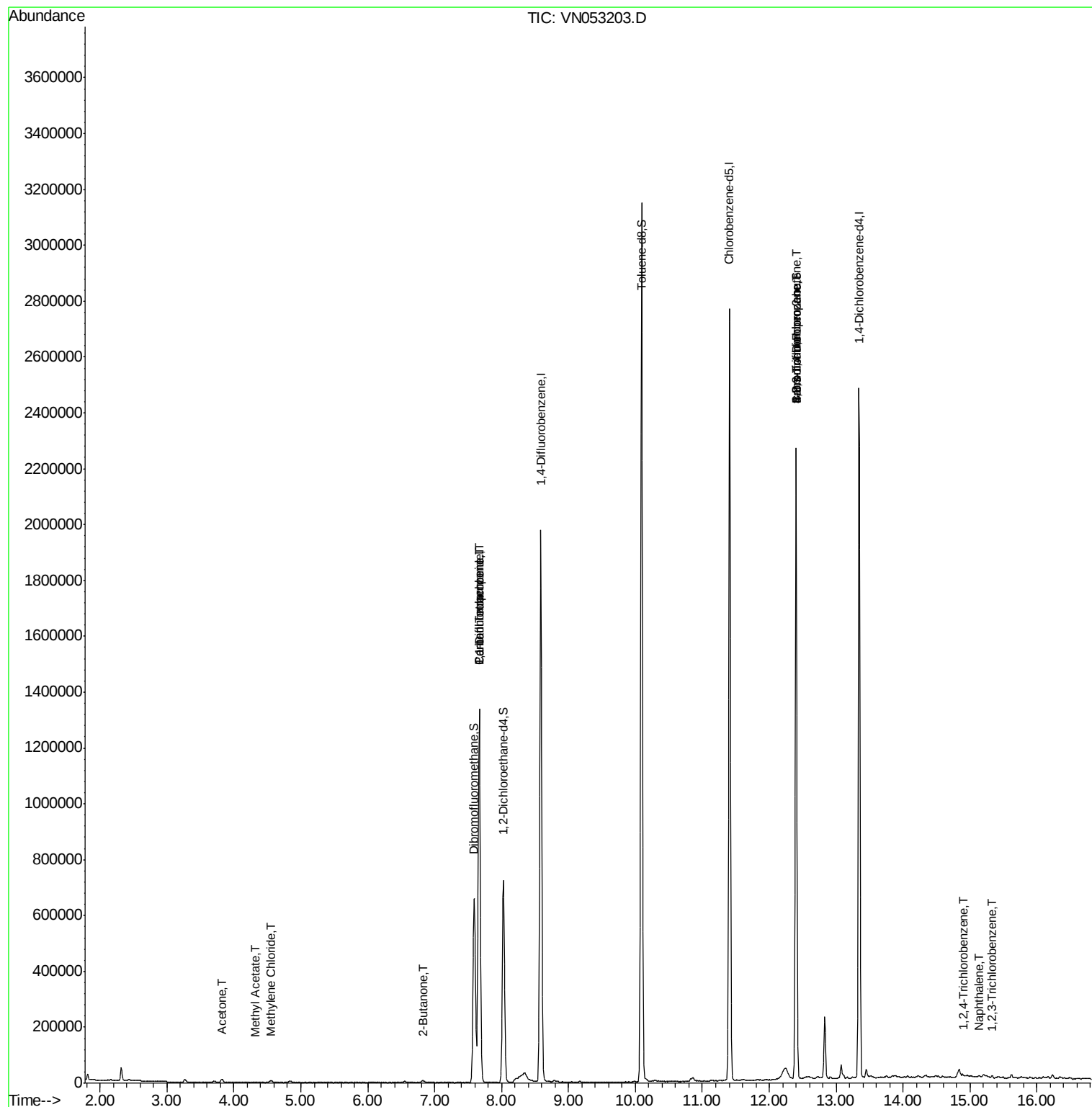
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1187216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1825258	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1682991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	708152	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	597611	49.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.20%	
35) Dibromofluoromethane	7.59	113	511216	61.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.62%	
50) Toluene-d8	10.09	98	2242003	50.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.40	95	787446	50.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.22%	
Target Compounds						
					Qvalue	
16) Acetone	3.82	43	22420	9.491	ug/l	95
18) Methyl Acetate	4.33	43	2691	1.238	ug/l #	89
20) Methylene Chloride	4.55	84	5696	0.442	ug/l	92
25) 2-Butanone	6.84	43	1607	0.405	ug/l	93
31) Cyclohexane	7.67	56	18687	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	77591	4.429	ug/l #	48
38) Carbon Tetrachloride	7.67	117	102834	6.404	ug/l #	15
43) Isopropyl Acetate	8.21	43	8168	Below Cal	#	53
71) Bromoform	12.40	173	5255	0.561	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	371238	31.141	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	371238	100.373	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.90	180	497	0.635	ug/l	70
95) Naphthalene	15.13	128	6809	1.386	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.31	180	874	0.584	ug/l	81

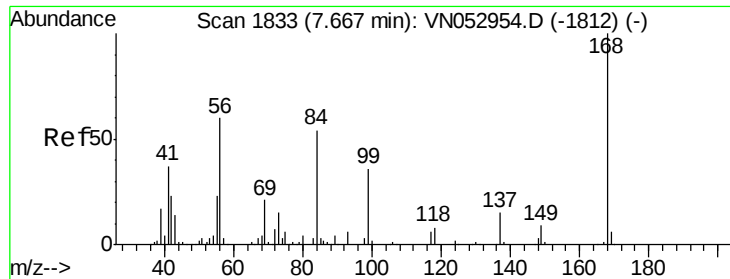
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN122718\
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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: VN053203.D

Acq: 27 Dec 2018 11:03

Instrument :

MSVOA_N

ClientSampleId :

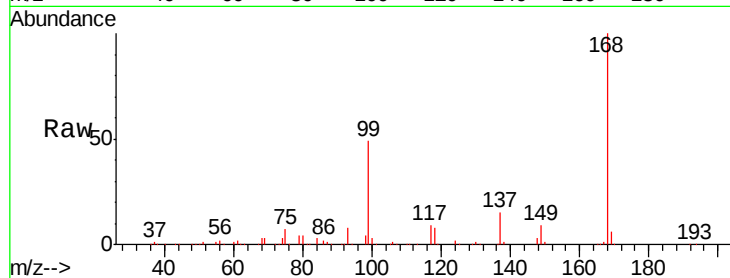
50082-50083

Tgt Ion:168 Resp: 1187216

Ion Ratio Lower Upper

168 100

99 49.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

500000

400000

300000

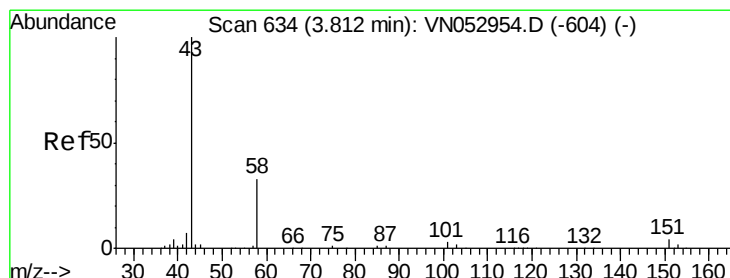
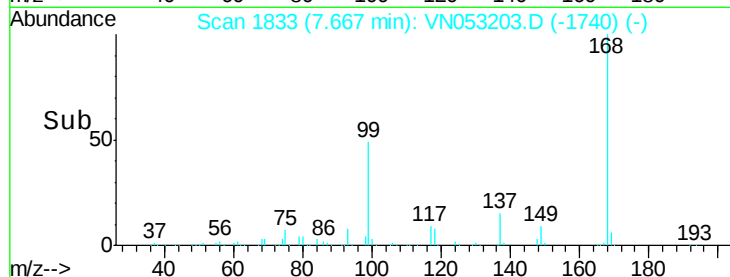
200000

100000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 9.491 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053203.D

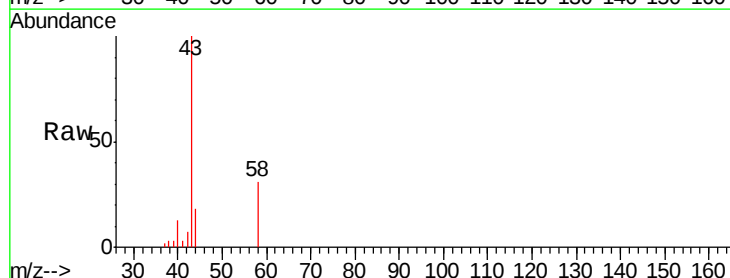
Acq: 27 Dec 2018 11:03

Tgt Ion: 43 Resp: 22420

Ion Ratio Lower Upper

43 100

58 29.0 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

8000

6000

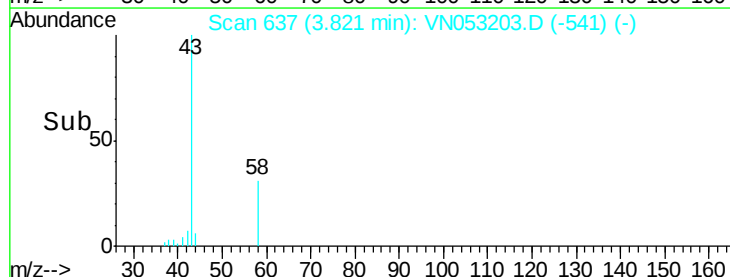
4000

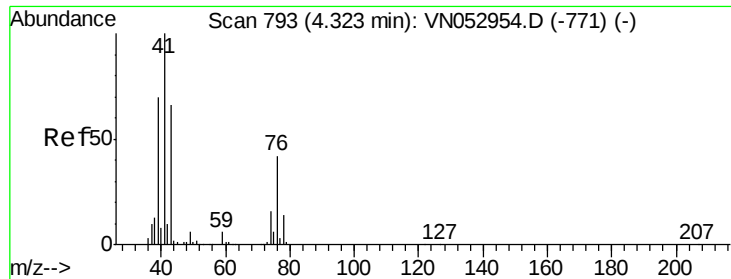
2000

0

3.70 3.75 3.80 3.85 3.90

Time-->

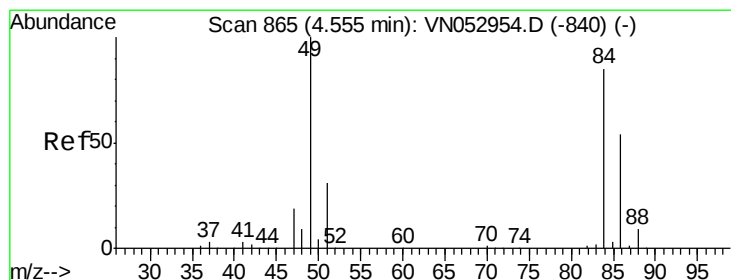
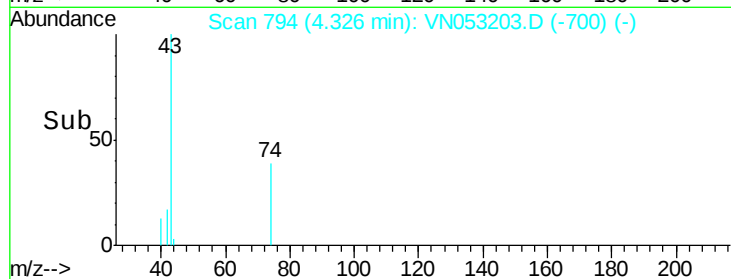
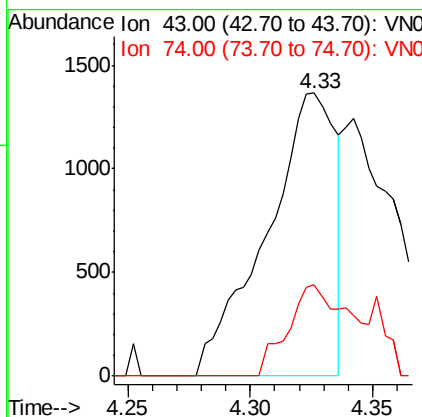
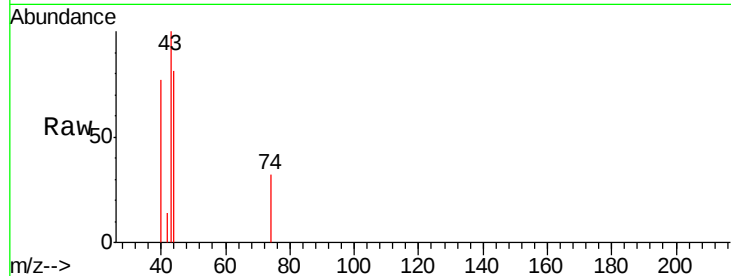




#18
Methyl Acetate
Concen: 1.238 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053203.D
Acq: 27 Dec 2018 11:03

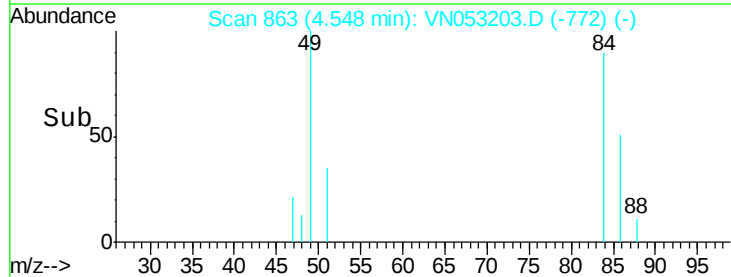
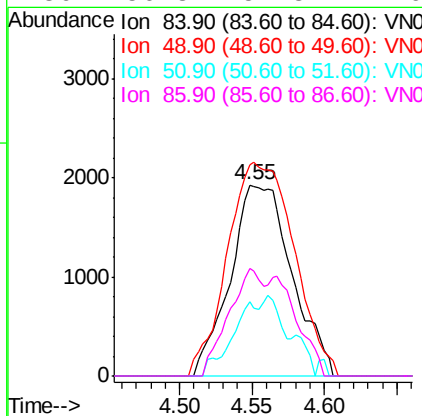
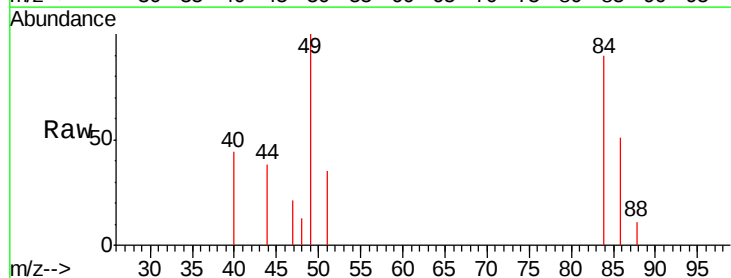
Instrument :
MSVOA_N
ClientSampled :
50082-50083

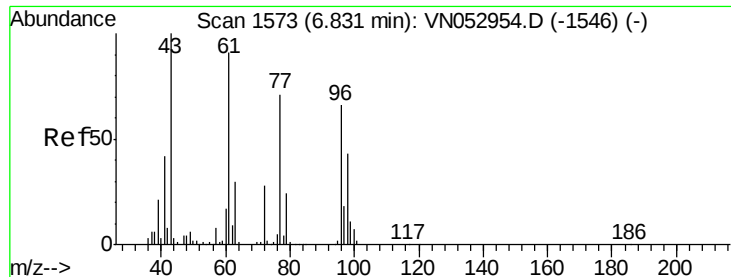
Tgt Ion: 43 Resp: 2691
Ion Ratio Lower Upper
43 100
74 29.3 19.2 28.8#



#20
Methylene Chloride
Concen: 0.442 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN053203.D
Acq: 27 Dec 2018 11:03

Tgt Ion: 84 Resp: 5696
Ion Ratio Lower Upper
84 100
49 110.9 96.8 145.2
51 38.6 29.9 44.9
86 56.3 51.8 77.6

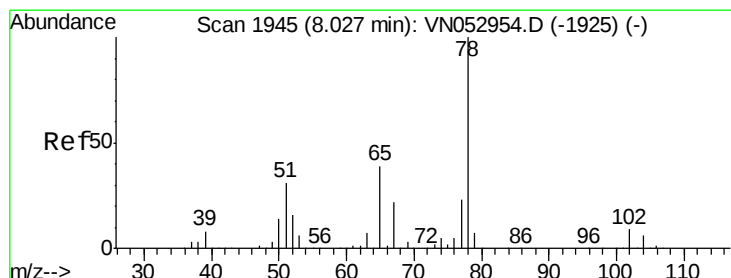
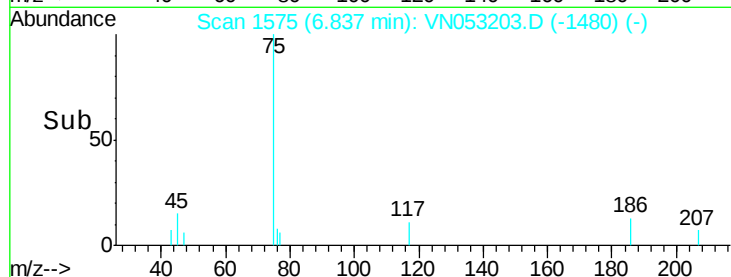
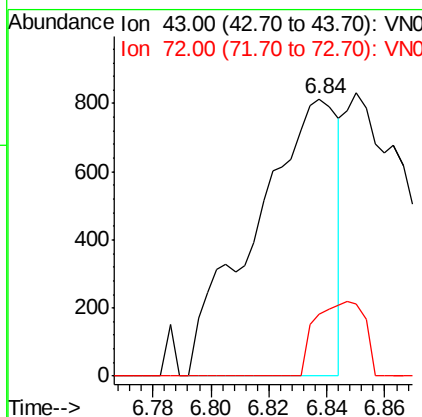
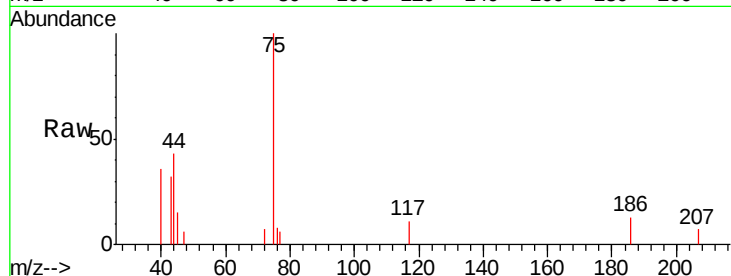




#25
2-Butanone
Concen: 0.405 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VN053203.D
Acq: 27 Dec 2018 11:03

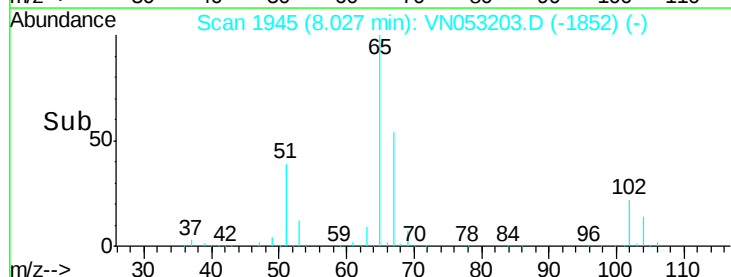
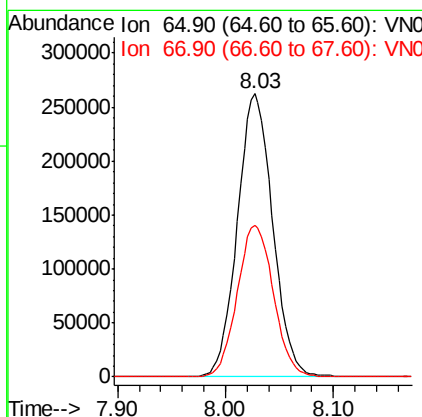
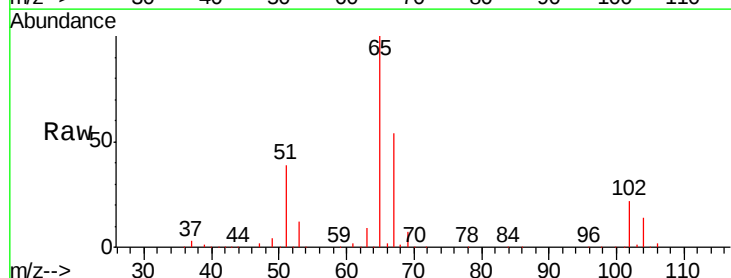
Instrument :
MSVOA_N
ClientSampleId :
50082-50083

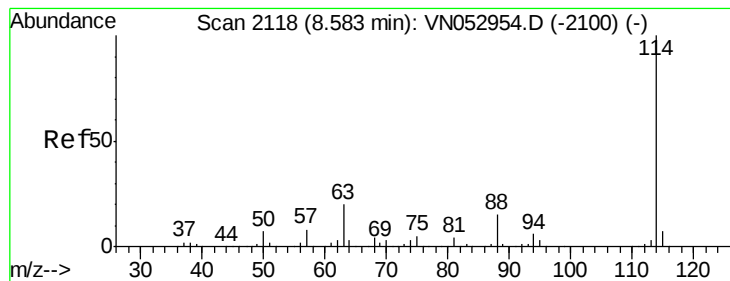
Tgt Ion: 43 Resp: 1607
Ion Ratio Lower Upper
43 100
72 22.5 21.0 31.6



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN053203.D
Acq: 27 Dec 2018 11:03

Tgt Ion: 65 Resp: 597611
Ion Ratio Lower Upper
65 100
67 54.9 0.0 110.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053203.D

Acq: 27 Dec 2018 11:03

Instrument :

MSVOA_N

ClientSampleId :

50082-50083

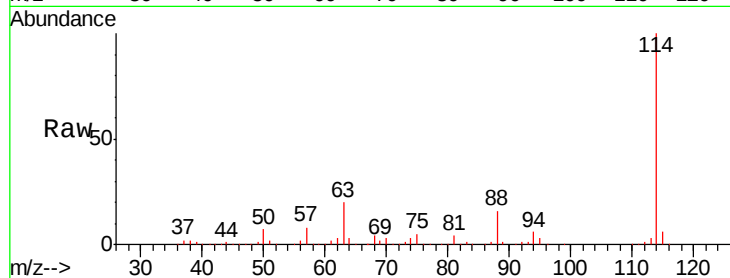
Tgt Ion:114 Resp: 1825258

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.8

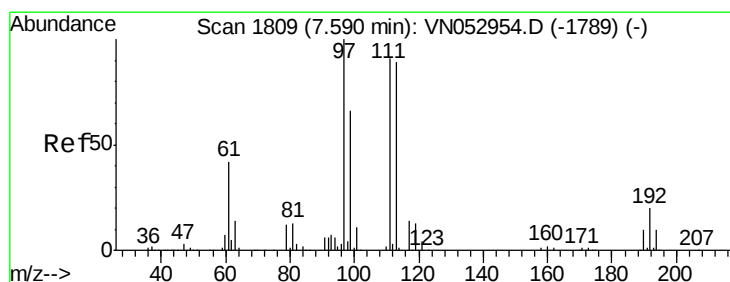
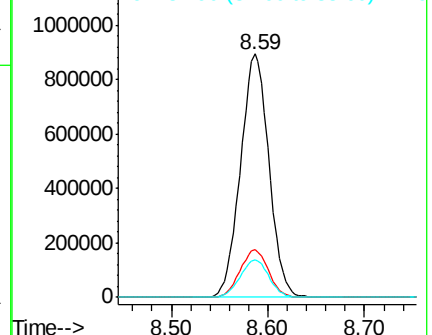
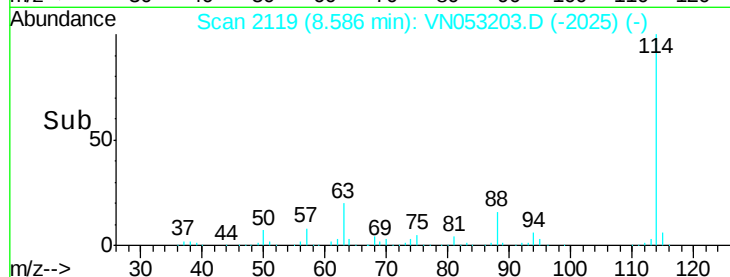
88 15.6 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053203.D

Acq: 27 Dec 2018 11:03

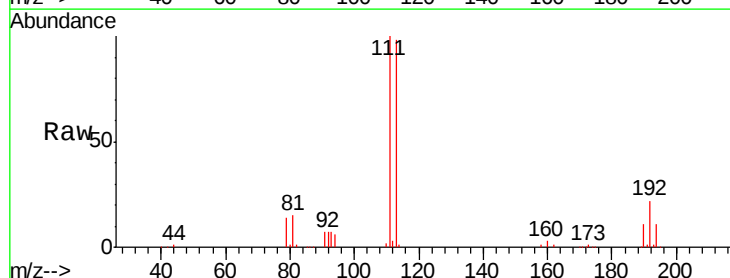
Tgt Ion:113 Resp: 511216

Ion Ratio Lower Upper

113 100

111 103.3 83.0 124.4

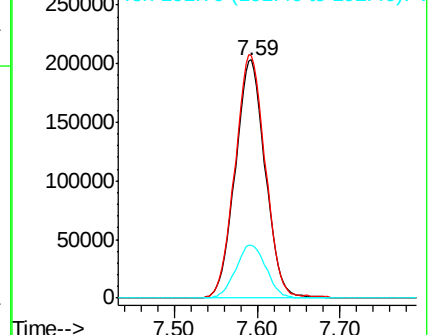
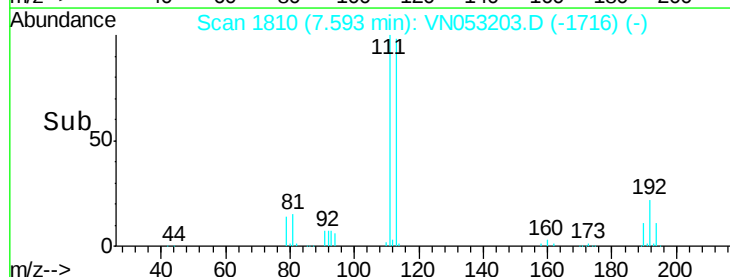
192 22.6 17.5 26.3

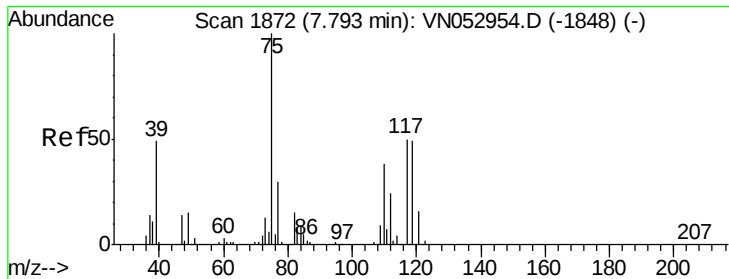


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

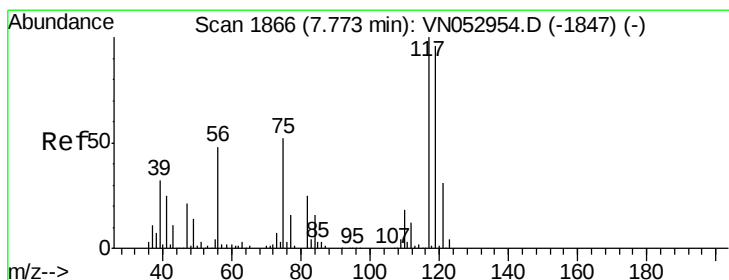
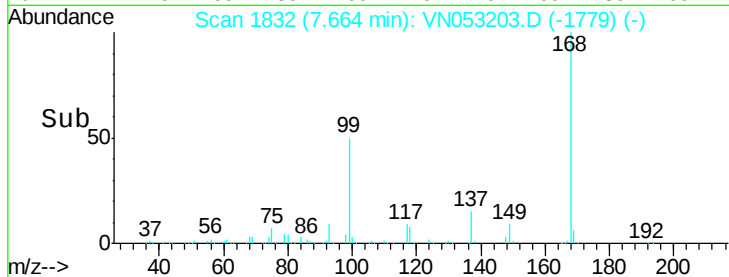
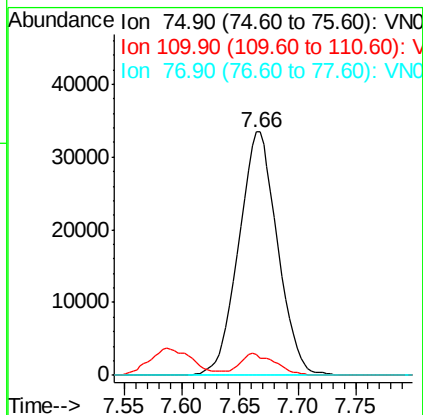
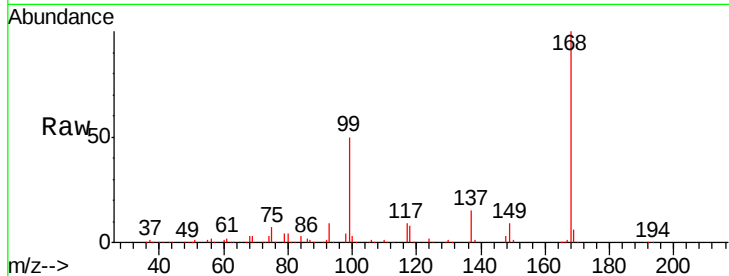




#36
 1,1-Dichloropropene
 Concen: 4.429 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053203.D
 Acq: 27 Dec 2018 11:03

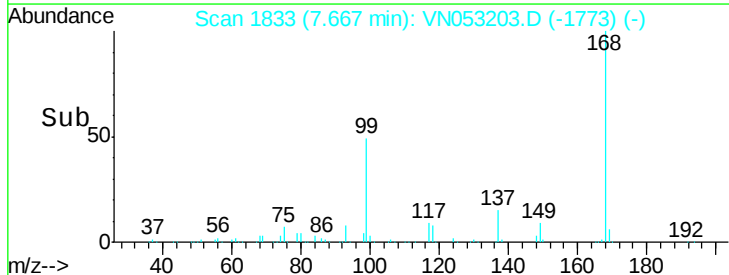
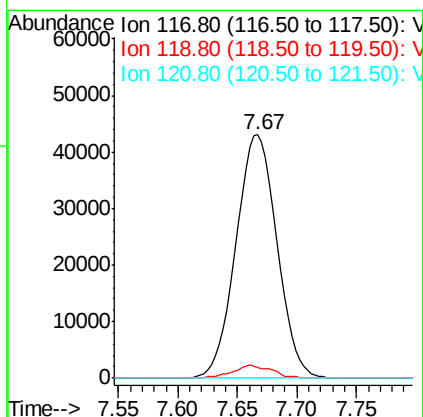
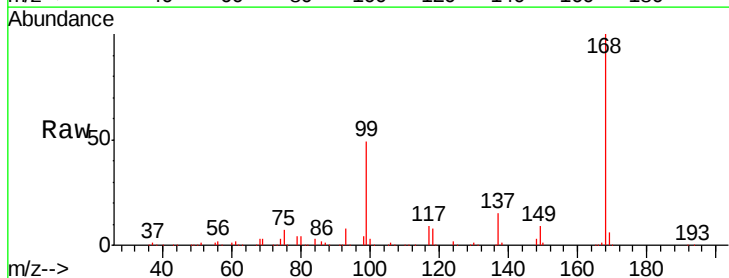
Instrument :
 MSVOA_N
 ClientSampleId :
 50082-50083

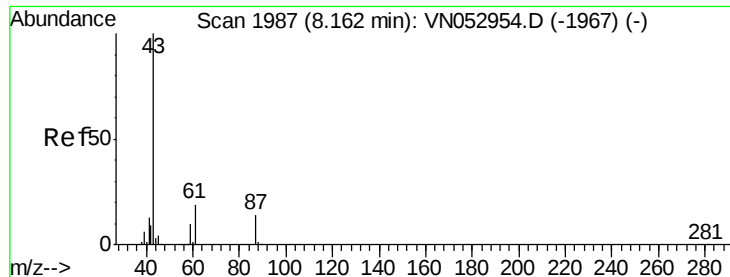
Tgt Ion: 75 Resp: 77591
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.2 54.6#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.404 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053203.D
 Acq: 27 Dec 2018 11:03

Tgt Ion: 117 Resp: 102834
 Ion Ratio Lower Upper
 117 100
 119 4.4 77.1 115.7#
 121 0.0 24.9 37.3#



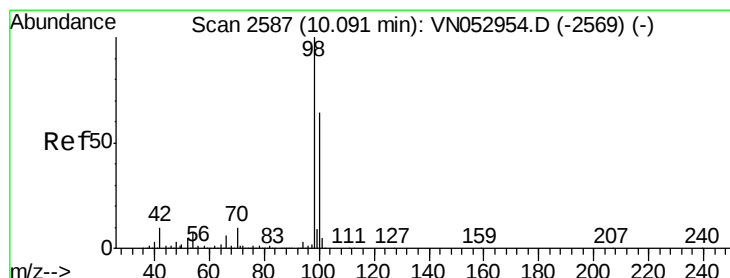
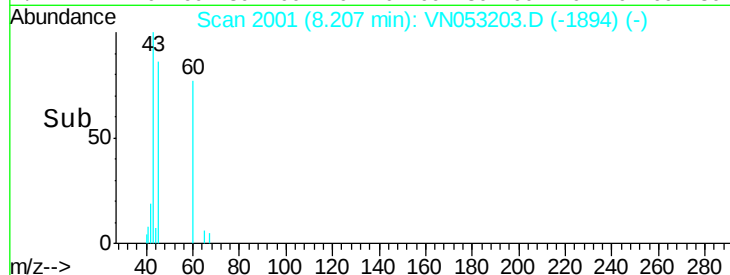
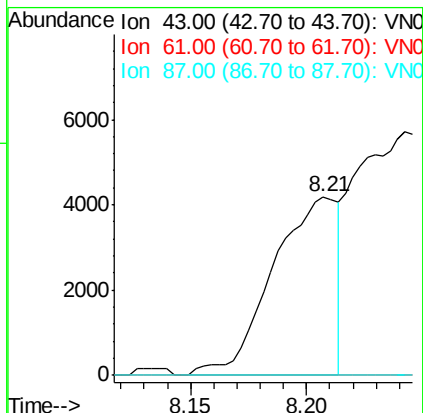
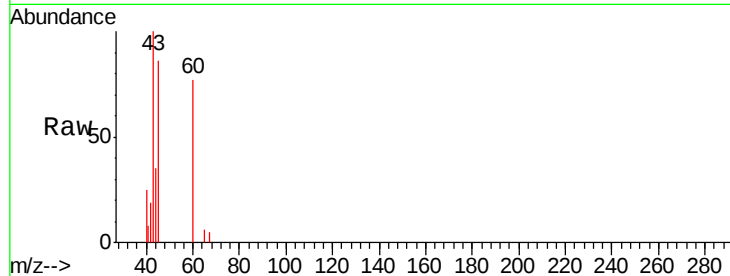


#43

Isopropyl Acetate
 Concen: Below Cal
 RT: 8.21 min Scan# 2001
 Delta R.T. 0.05 min
 Lab File: VN053203.D
 Acq: 27 Dec 2018 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 50082-50083

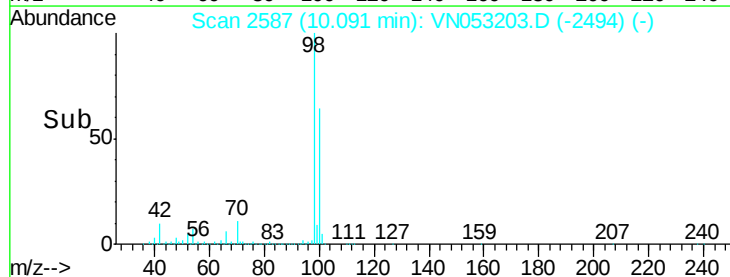
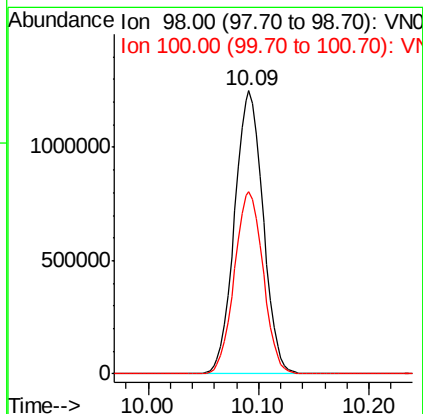
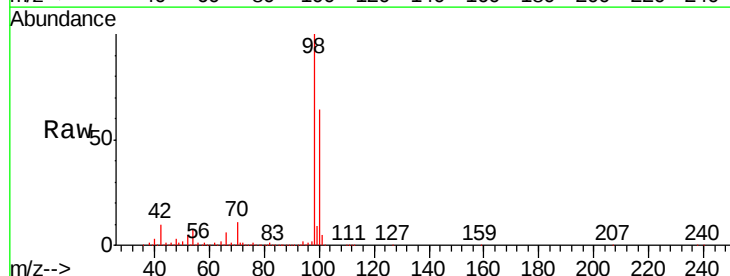
Tgt Ion: 43 Resp: 8168
 Ion Ratio Lower Upper
 43 100
 61 0.0 22.9 34.3#
 87 0.0 10.6 15.8#

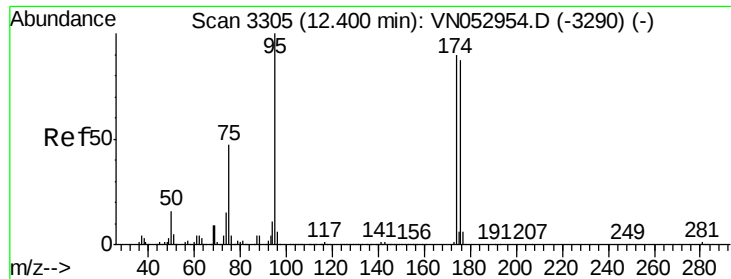


#50

Toluene-d8
 Concen: N.D. ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN053203.D
 Acq: 27 Dec 2018 11:03

Tgt Ion: 98 Resp: 2242003
 Ion Ratio Lower Upper
 98 100
 100 64.8 51.6 77.4





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053203.D

Acq: 27 Dec 2018 11:03

Instrument :

MSVOA_N

ClientSampleId :

50082-50083

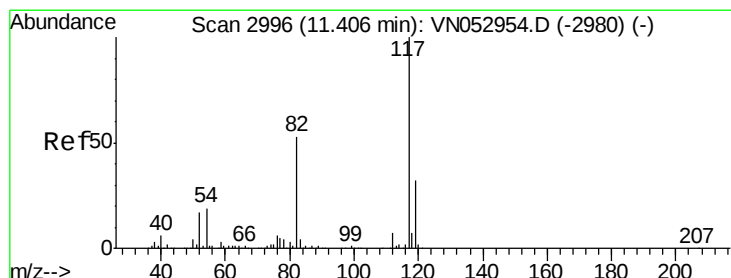
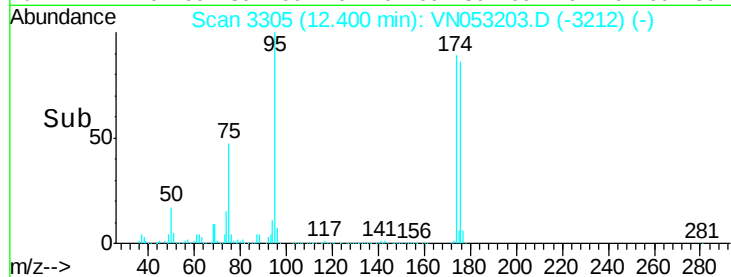
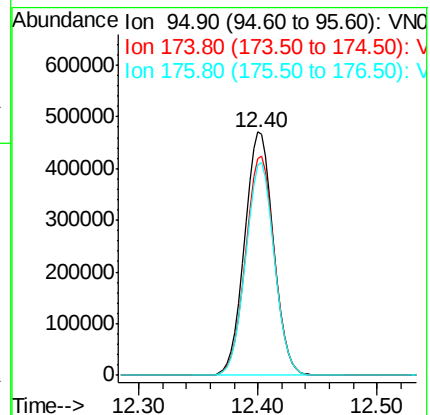
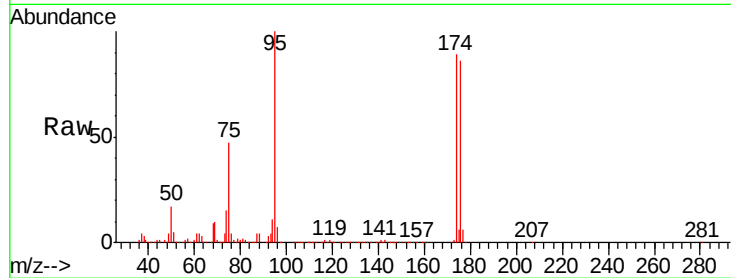
Tgt Ion: 95 Resp: 787446

Ion Ratio Lower Upper

95 100

174 90.1 0.0 178.8

176 87.0 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN053203.D

Acq: 27 Dec 2018 11:03

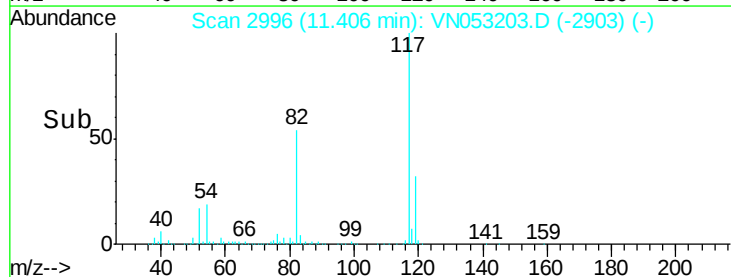
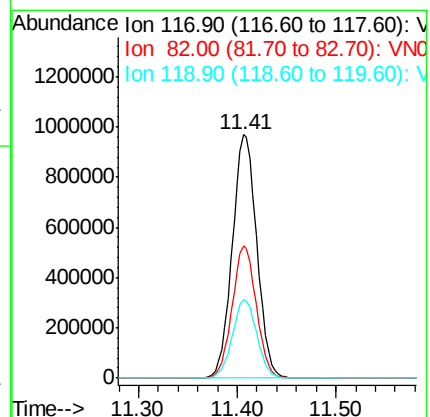
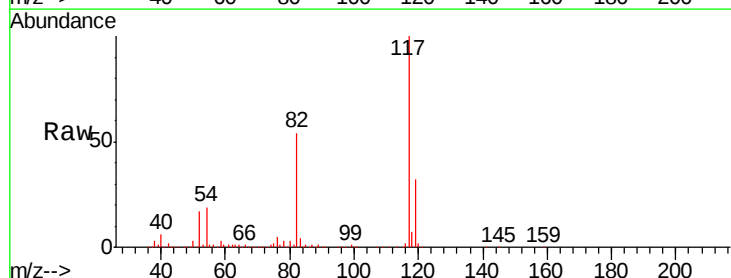
Tgt Ion: 117 Resp: 1682991

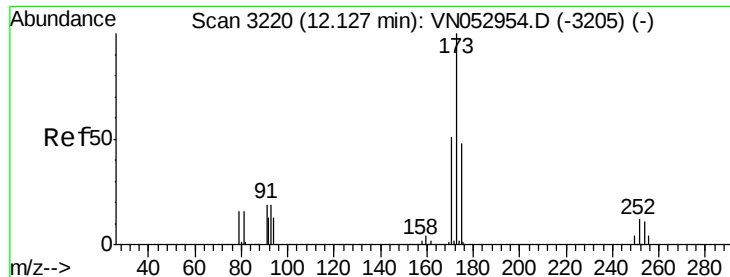
Ion Ratio Lower Upper

117 100

82 54.4 42.8 64.2

119 32.3 25.5 38.3





#71

Bromoform

Concen: 0.561 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053203.D

Acq: 27 Dec 2018 11:03

Instrument :

MSVOA_N

ClientSampleId :

50082-50083

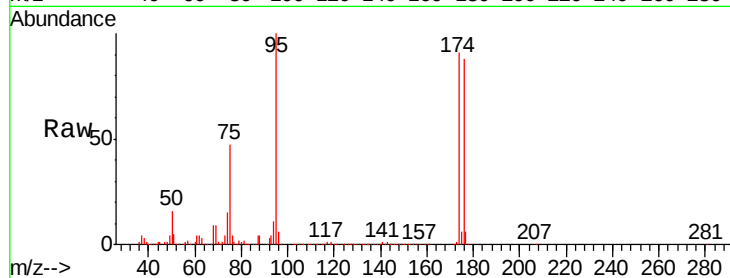
Tgt Ion:173 Resp: 5255

Ion Ratio Lower Upper

173 100

175 864.3 24.3 72.9#

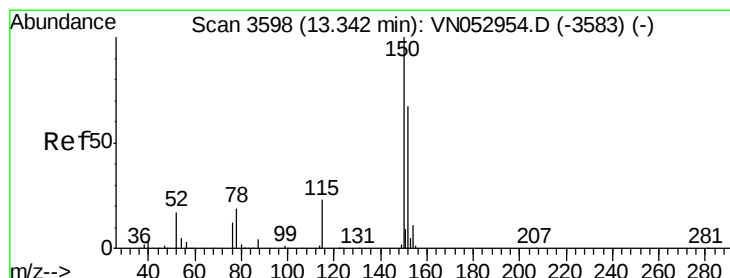
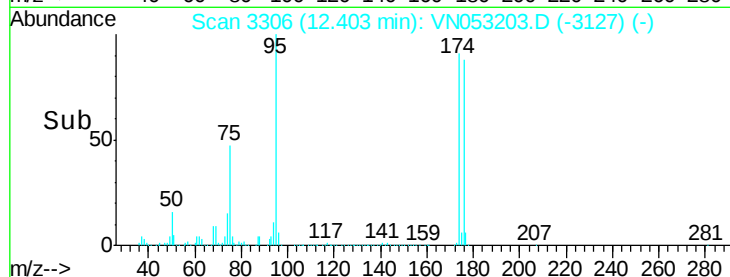
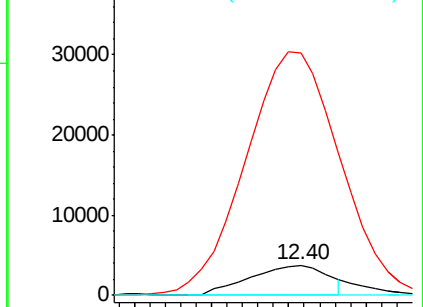
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053203.D

Acq: 27 Dec 2018 11:03

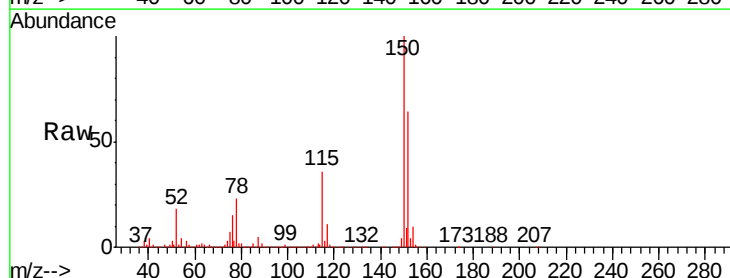
Tgt Ion:152 Resp: 708152

Ion Ratio Lower Upper

152 100

115 56.5 28.3 85.0

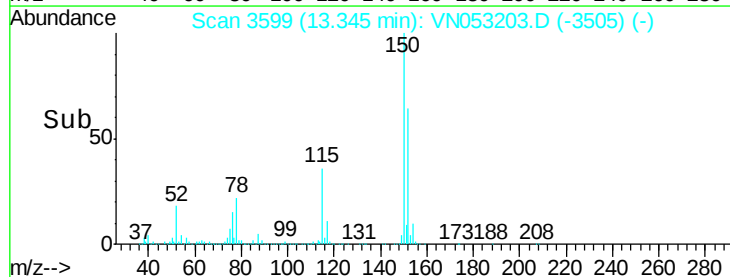
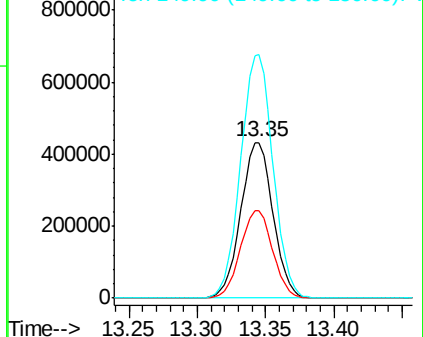
150 157.7 0.0 347.8

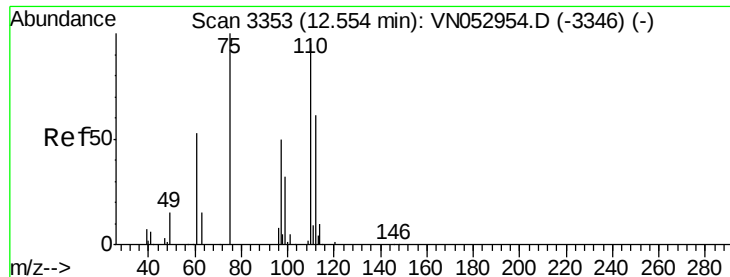


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 31.141 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053203.D

Acq: 27 Dec 2018 11:03

Instrument :

MSVOA_N

ClientSampleId :

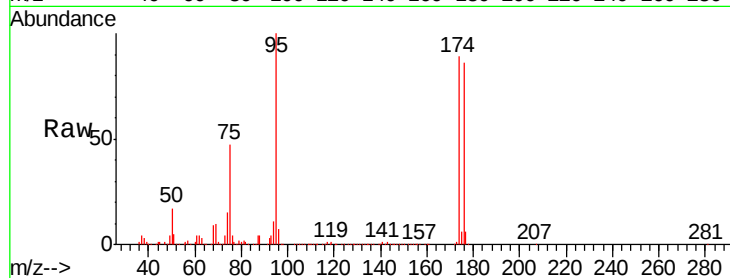
50082-50083

Tgt Ion: 75 Resp: 371238

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

250000

200000

150000

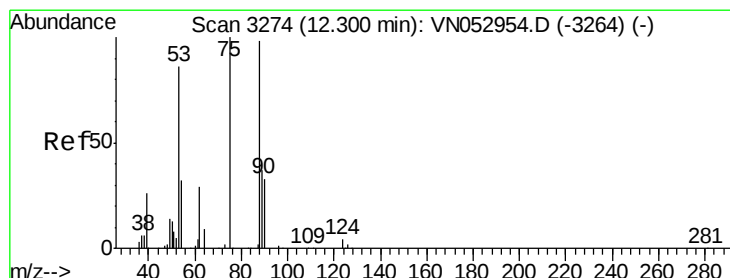
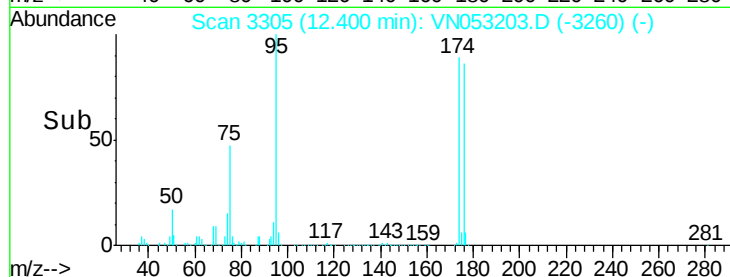
100000

50000

0

12.35 12.40 12.45 12.50

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 100.373 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053203.D

Acq: 27 Dec 2018 11:03

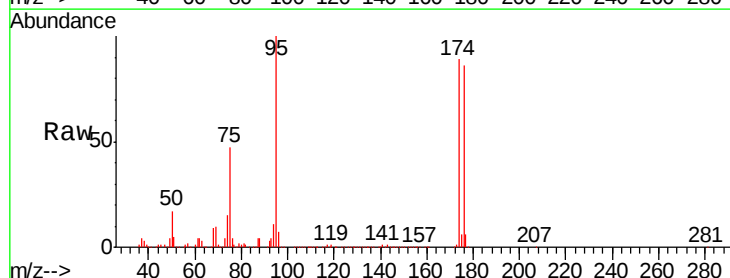
Tgt Ion: 75 Resp: 371238

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.1 54.1#



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

300000

250000

200000

150000

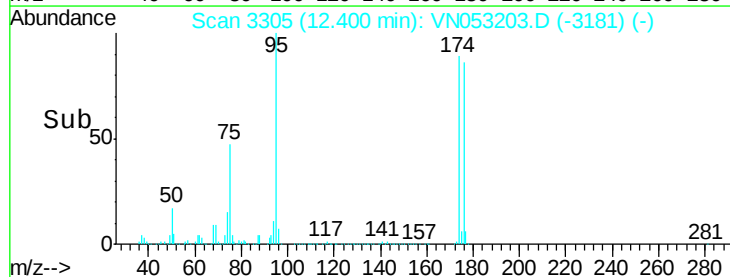
100000

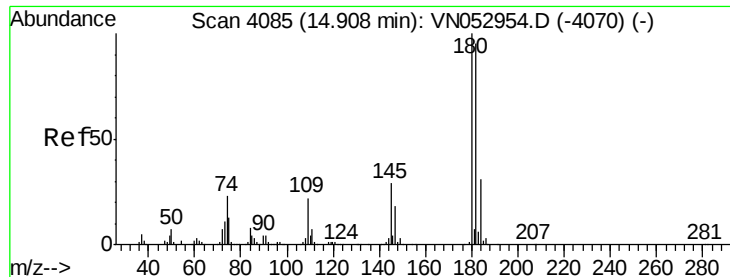
50000

0

12.35 12.40 12.45 12.50

Time-->

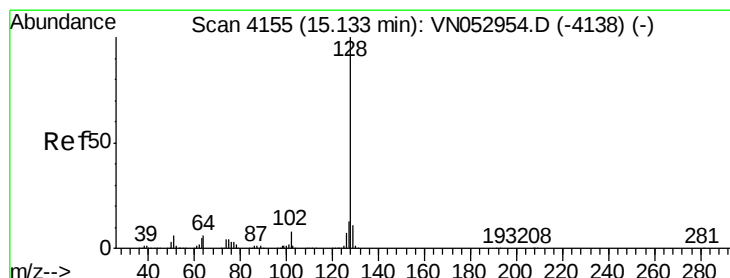
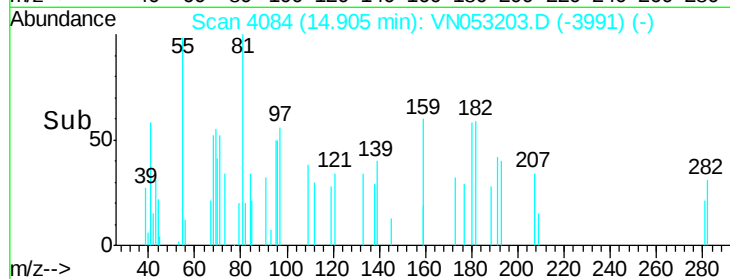
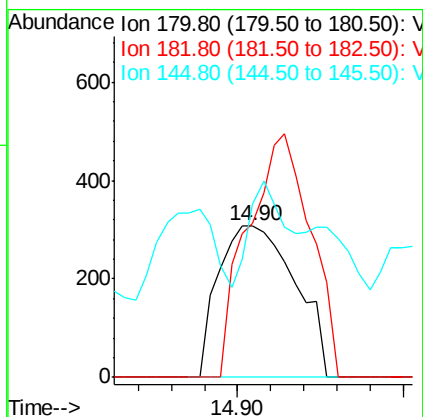
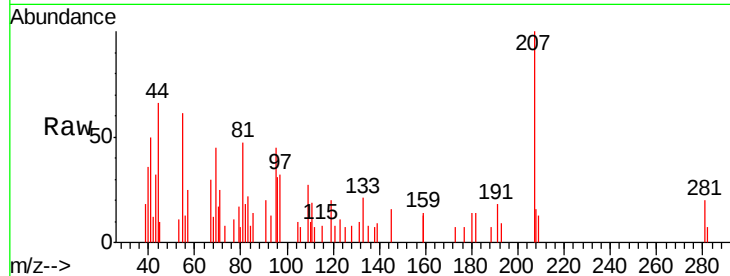




#93
 1,2,4-Trichlorobenzene
 Concen: 0.635 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN053203.D
 Acq: 27 Dec 2018 11:03

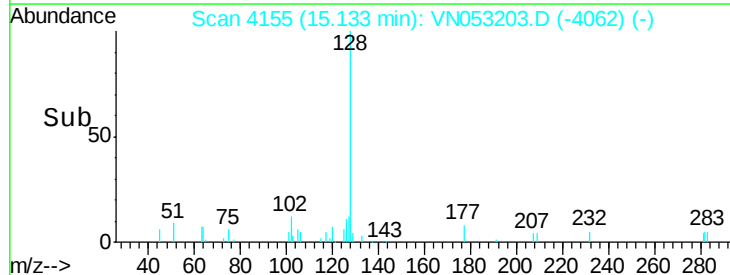
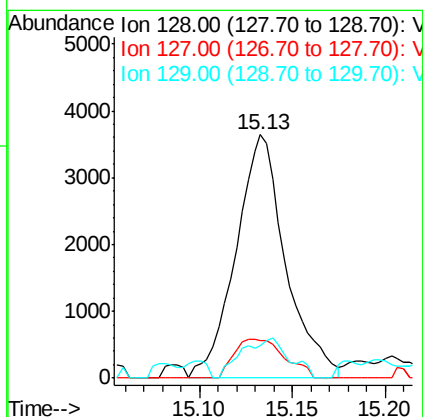
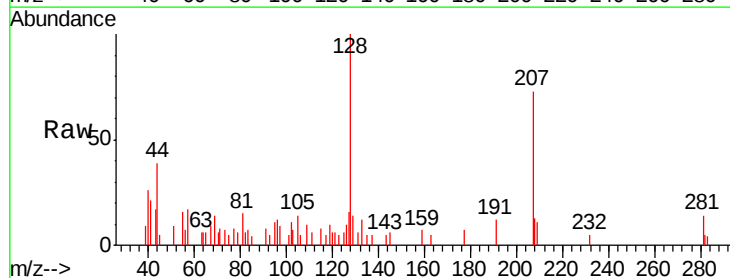
Instrument :
 MSVOA_N
 ClientSampled :
 50082-50083

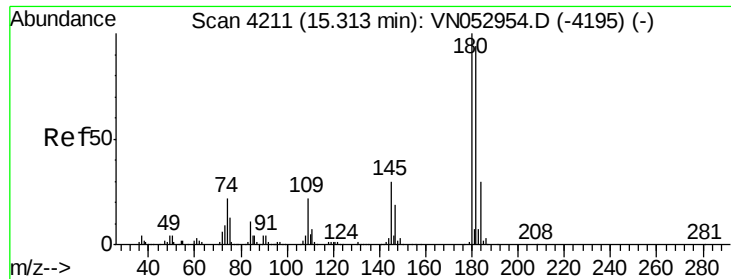
Tgt Ion:180 Resp: 497
 Ion Ratio Lower Upper
 180 100
 182 130.8 47.8 143.3
 145 32.8 14.2 42.6



#95
 Naphthalene
 Concen: 1.386 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN053203.D
 Acq: 27 Dec 2018 11:03

Tgt Ion:128 Resp: 6809
 Ion Ratio Lower Upper
 128 100
 127 16.3 10.2 15.4#
 129 15.7 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.584 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN053203.D
 Acq: 27 Dec 2018 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 50082-50083

Tgt Ion:180 Resp: 874
 Ion Ratio Lower Upper
 180 100
 182 76.1 47.9 143.7
 145 38.8 15.0 45.0

