

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053074.D
 Acq On : 20 Dec 2018 23:55
 Operator : MD\SY
 Sample : J6519-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-122018-01

Quant Time: Dec 21 02:38:44 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	1227355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1866957	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1655384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	667418	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	596413	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
35) Dibromofluoromethane	7.59	113	509329	59.72	ug/l	0.00
Spiked Amount			Recovery	=	119.44%	
50) Toluene-d8	10.09	98	2276525	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
62) 4-Bromofluorobenzene	12.40	95	740978	46.10	ug/l	0.00
Spiked Amount			Recovery	=	92.20%	

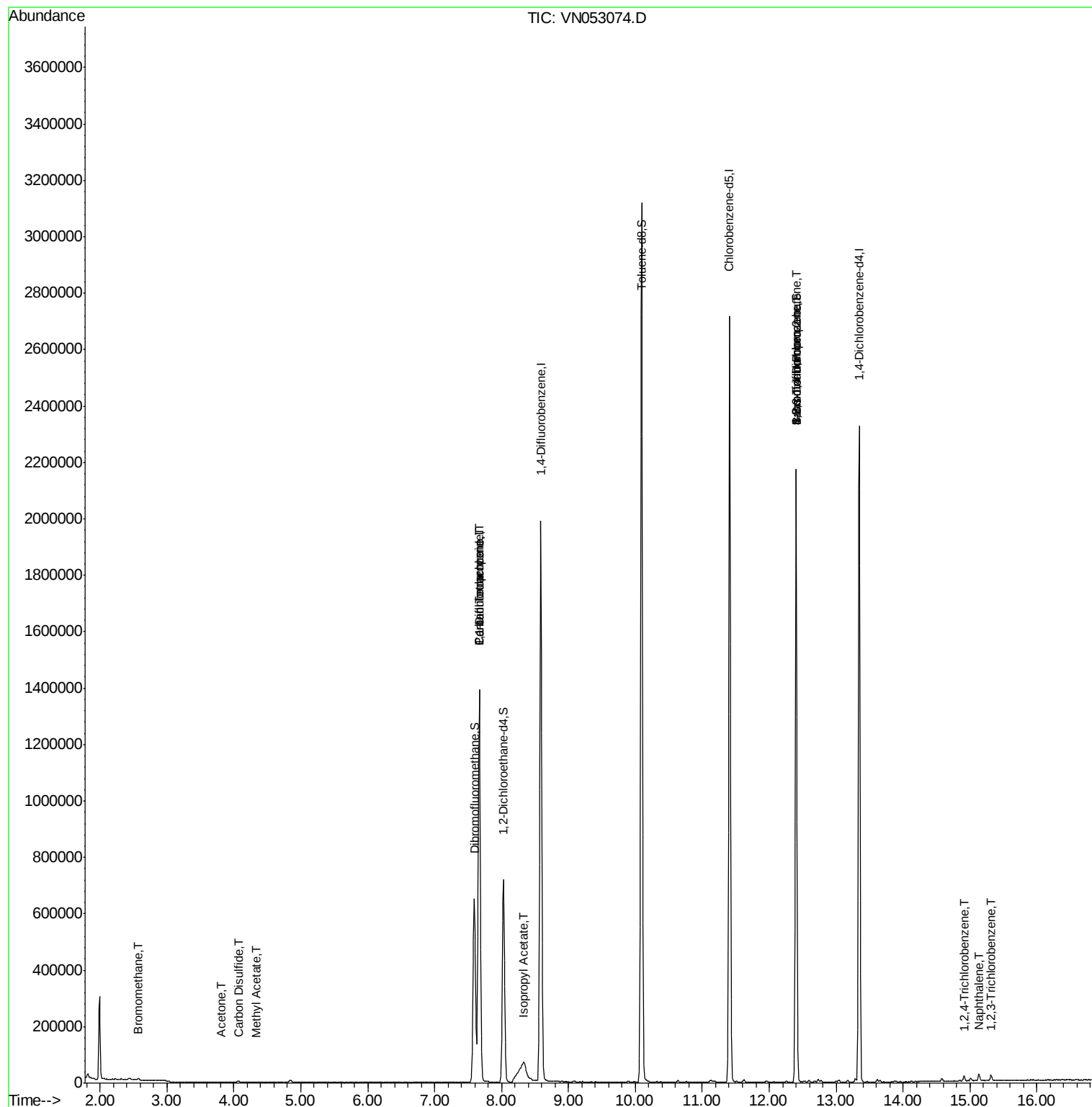
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.58	94	2810	0.266	ug/l	83
16) Acetone	3.82	43	4184	1.713	ug/l	90
17) Carbon Disulfide	4.07	76	8388	0.220	ug/l	100
18) Methyl Acetate	4.33	43	2895	1.248	ug/l #	73
31) Cyclohexane	7.66	56	21210	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	78246	4.367	ug/l #	48
38) Carbon Tetrachloride	7.67	117	105917	6.449	ug/l #	15
43) Isopropyl Acetate	8.33	43	202984	9.642	ug/l #	53
71) Bromoform	12.40	173	4285	0.465	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	344567	30.668	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	344567	98.847	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	6446	1.128	ug/l	97
94) Hexachlorobutadiene	15.01	225	2336	Below Cal		97
95) Naphthalene	15.13	128	22020	1.966	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	7165	1.165	ug/l	89

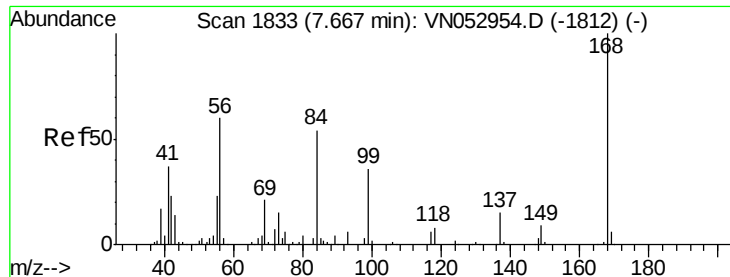
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 18 13:03:37 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: VN053074.D

Acq: 20 Dec 2018 23:55

Instrument :

MSVOA_N

ClientSampleId :

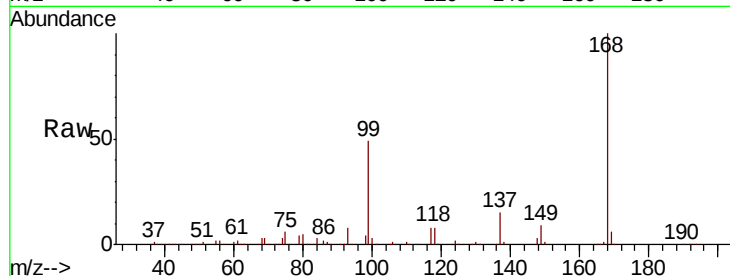
TB-122018-01

Tot Ion:168 Resp: 1227355

Ion Ratio Lower Upper

168 100

99 49.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

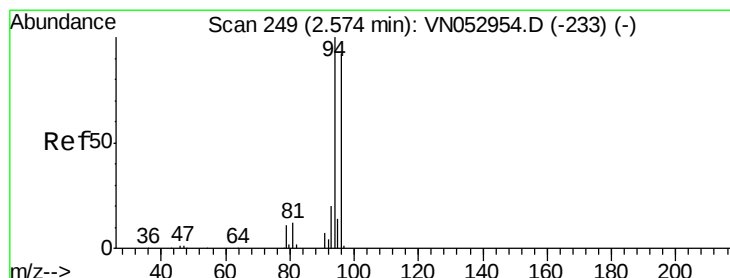
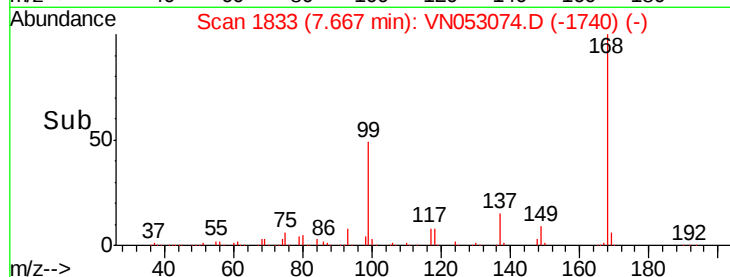
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.266 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053074.D

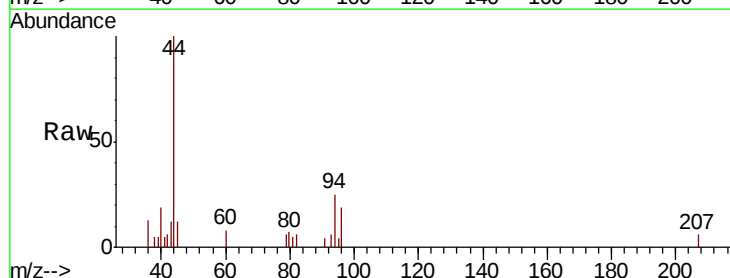
Acq: 20 Dec 2018 23:55

Tgt Ion: 94 Resp: 2810

Ion Ratio Lower Upper

94 100

96 76.9 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.58

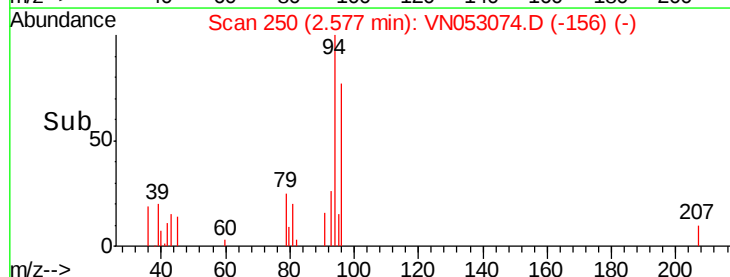
1500

1000

500

0

Time-->





#16

Acetone

Concen: 1.713 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053074.D

Acq: 20 Dec 2018 23:55

Instrument :

MSVOA_N

ClientSampleId :

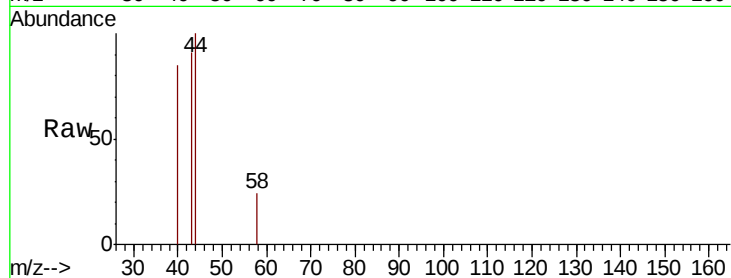
TB-122018-01

Tot Ion: 43 Resp: 4184

Ion Ratio Lower Upper

43 100

58 26.0 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN052954.D (-604) (-)

3.82

1200

1000

800

600

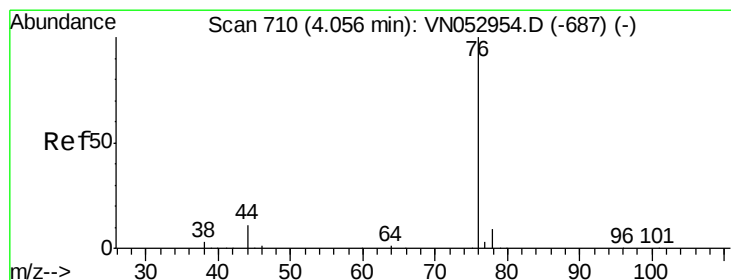
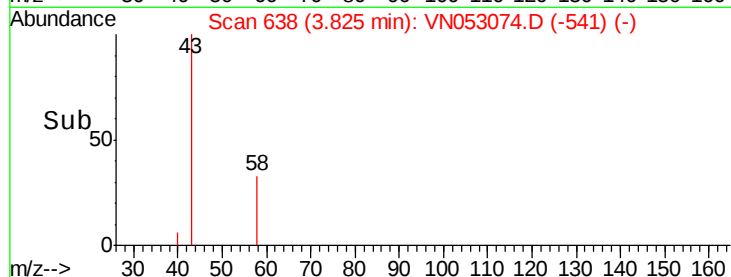
400

200

0

3.70 3.80 3.90

Time-->



#17

Carbon Disulfide

Concen: 0.220 ug/l

RT: 4.07 min Scan# 713

Delta R.T. 0.01 min

Lab File: VN053074.D

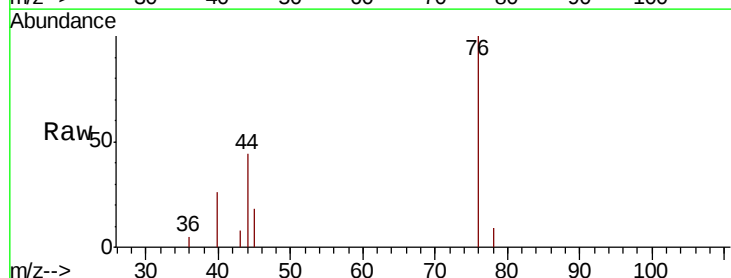
Acq: 20 Dec 2018 23:55

Tgt Ion: 76 Resp: 8388

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN052954.D (-687) (-)

Ion 77.90 (77.60 to 78.60): VN052954.D (-687) (-)

4.07

3000

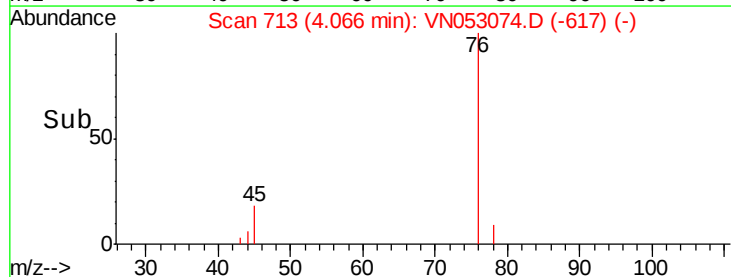
2000

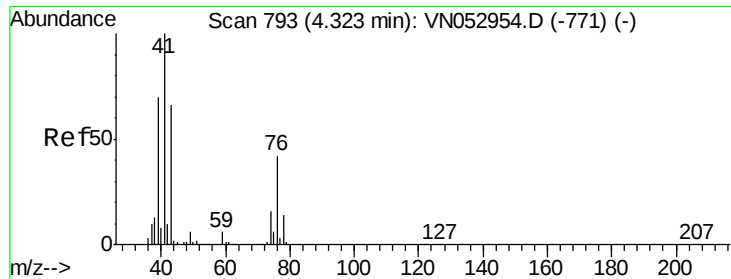
1000

0

4.00 4.05 4.10

Time-->

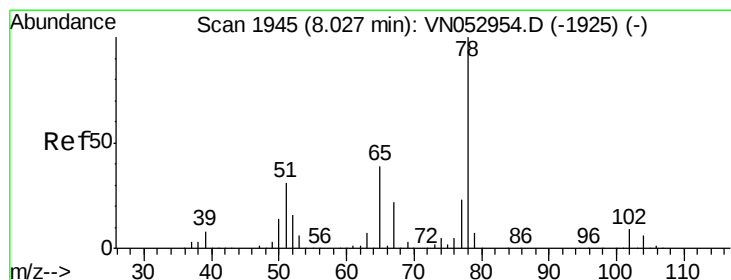
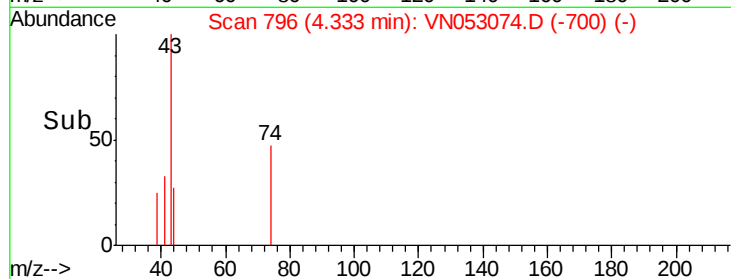
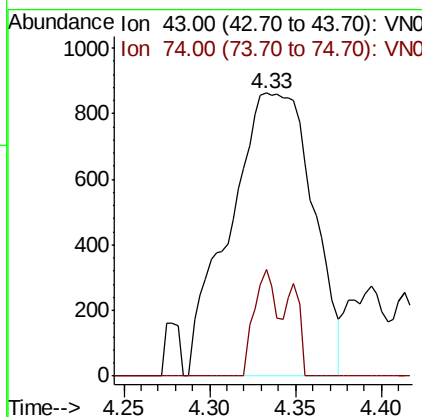
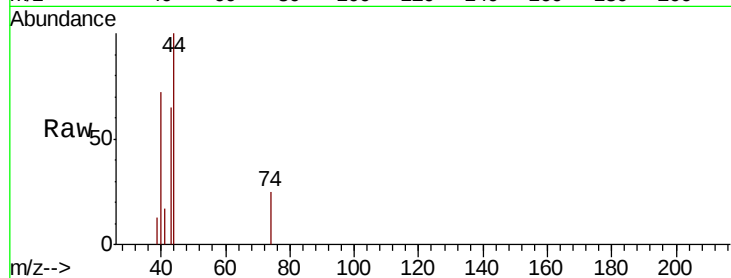




#18
Methyl Acetate
Concen: 1.248 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053074.D
Acq: 20 Dec 2018 23:55

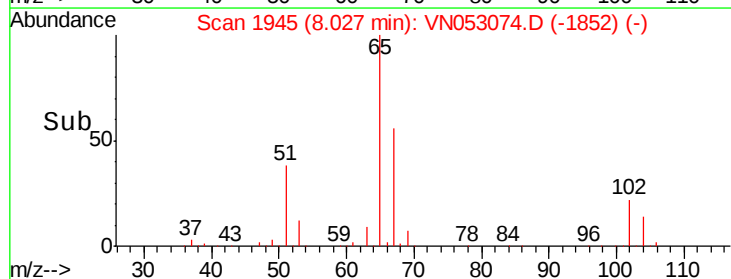
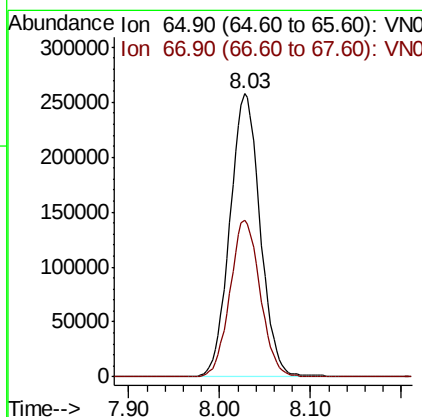
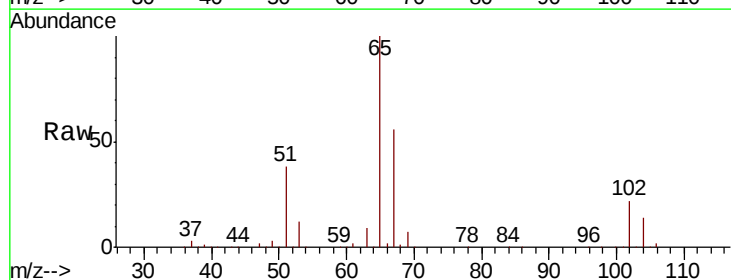
Instrument :
MSVOA_N
ClientSampleId :
TB-122018-01

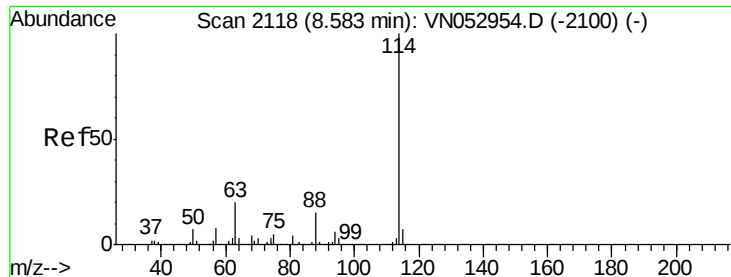
Tot Ion: 43 Resp: 2895
Ion Ratio Lower Upper
43 100
74 10.6 19.2 28.8#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN053074.D
Acq: 20 Dec 2018 23:55

Tgt Ion: 65 Resp: 596413
Ion Ratio Lower Upper
65 100
67 55.3 0.0 110.4

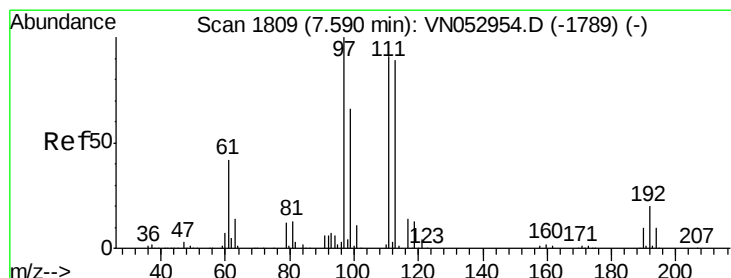
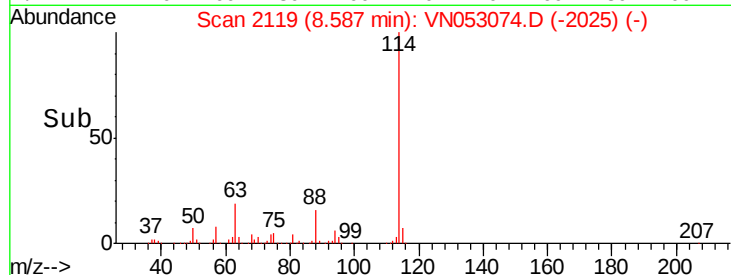
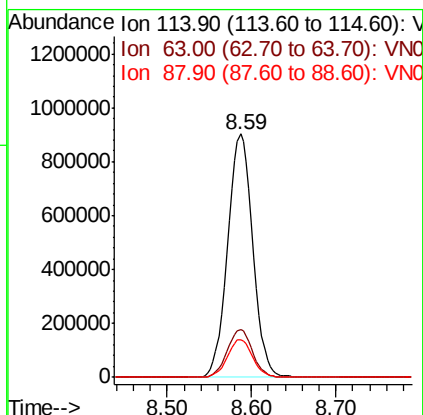
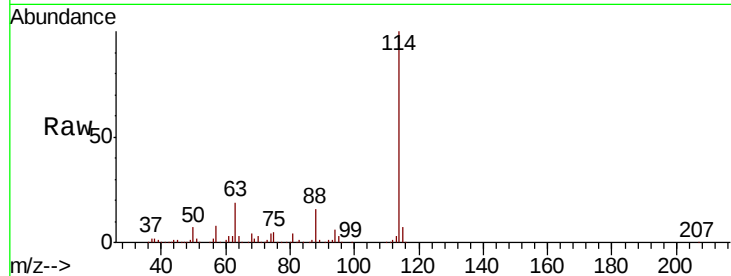




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053074.D
 Acq: 20 Dec 2018 23:55

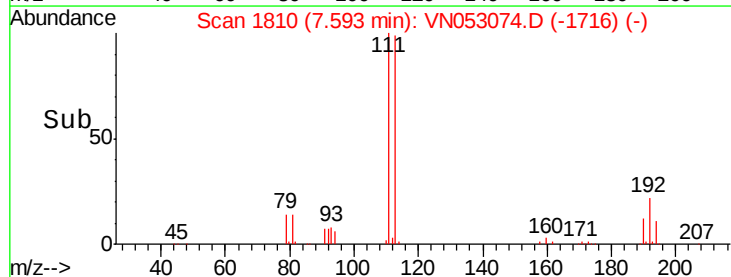
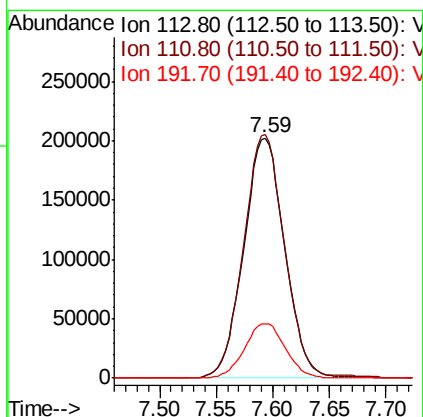
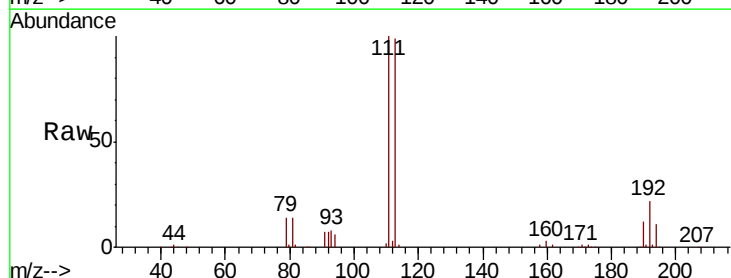
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-122018-01

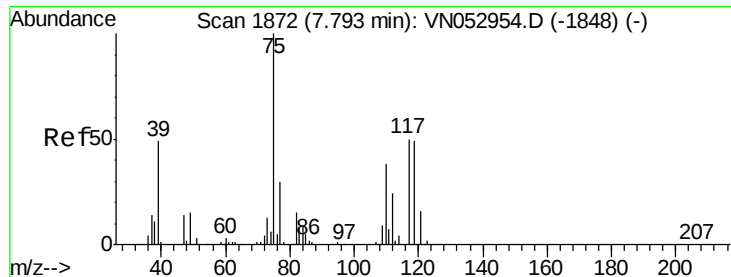
Tot Ion:114 Resp: 1866957
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.5 0.0 31.0



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053074.D
 Acq: 20 Dec 2018 23:55

Tgt Ion:113 Resp: 509329
 Ion Ratio Lower Upper
 113 100
 111 101.4 83.0 124.4
 192 22.8 17.5 26.3

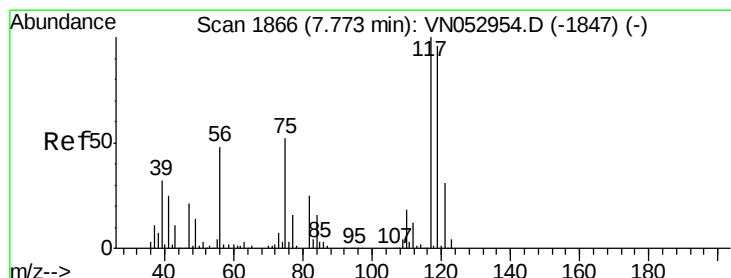
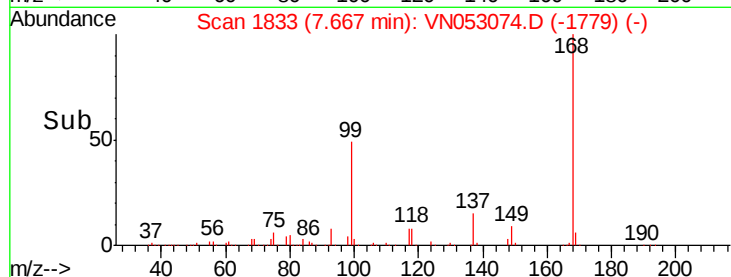
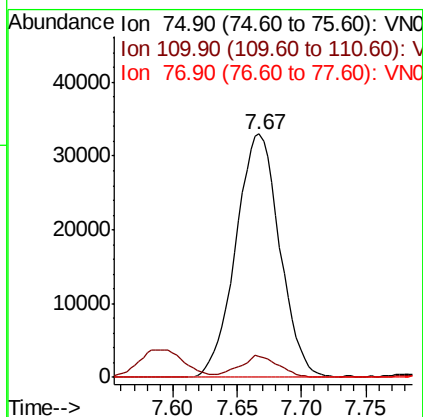
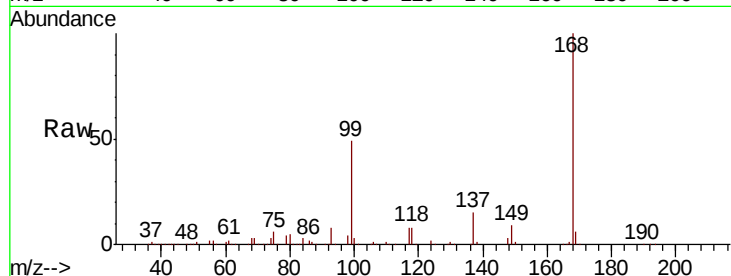




#36
 1,1-Dichloropropene
 Concen: 4.367 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053074.D
 Acq: 20 Dec 2018 23:55

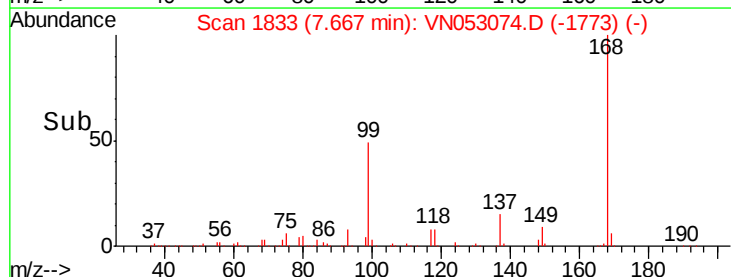
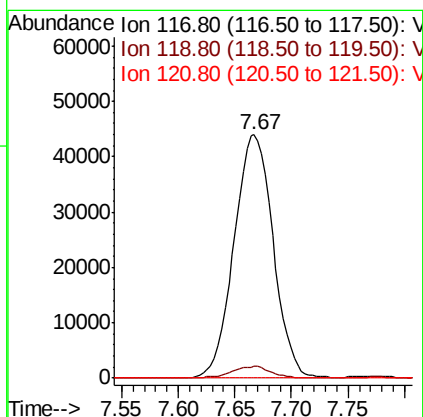
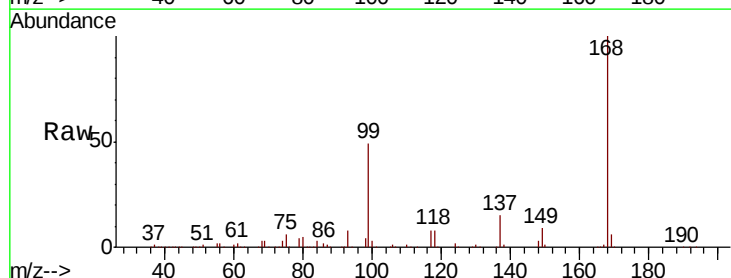
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-122018-01

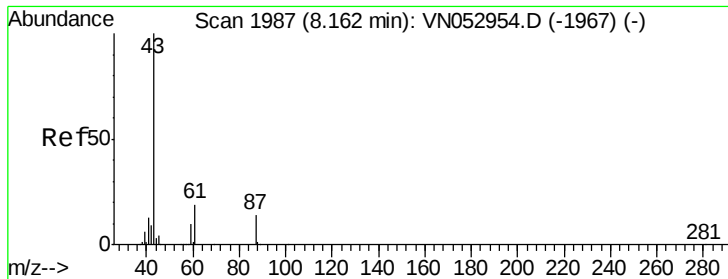
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.2	54.6#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.449 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053074.D
 Acq: 20 Dec 2018 23:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	77.1	115.7#
121	0.0	24.9	37.3#





#43

Isopropyl Acetate

Concen: 9.642 ug/l

RT: 8.33 min Scan# 2040

Delta R.T. 0.17 min

Lab File: VN053074.D

Acq: 20 Dec 2018 23:55

Instrument :

MSVOA_N

ClientSampleId :

TB-122018-01

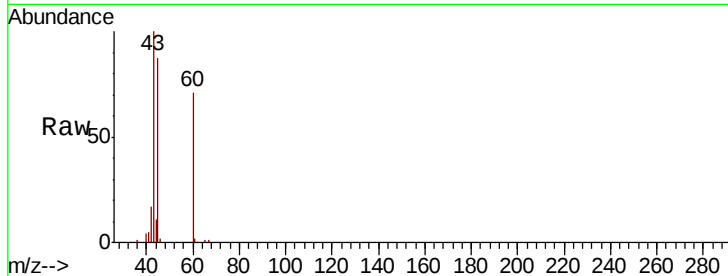
Tot Ion: 43 Resp: 202984

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

87 0.0 10.6 15.8#

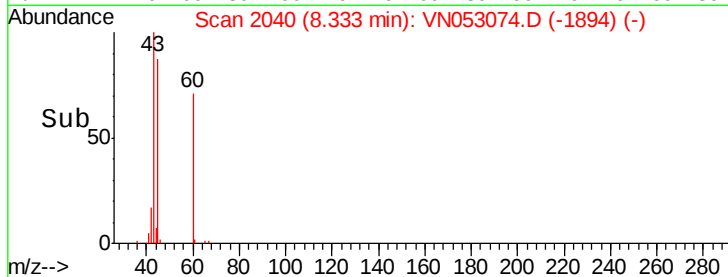


Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)

Time-->



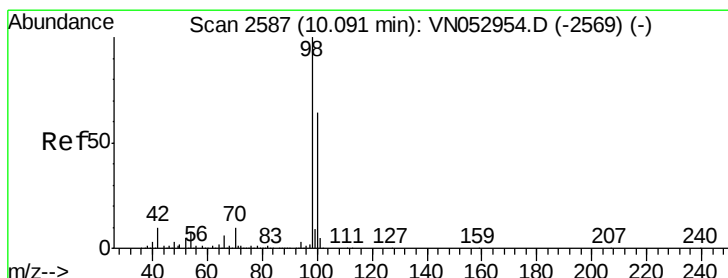
Abundance

Ion 43.00 (42.70 to 43.70): VN053074.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN053074.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN053074.D (-1894) (-)

Time-->



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053074.D

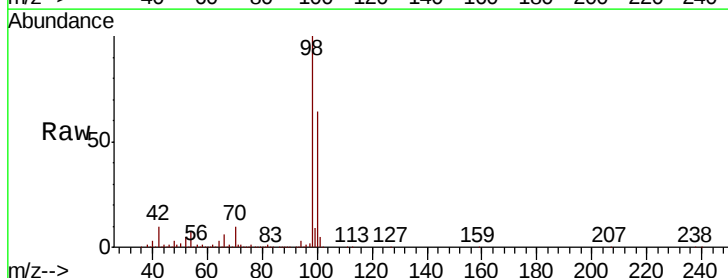
Acq: 20 Dec 2018 23:55

Tgt Ion: 98 Resp: 2276525

Ion Ratio Lower Upper

98 100

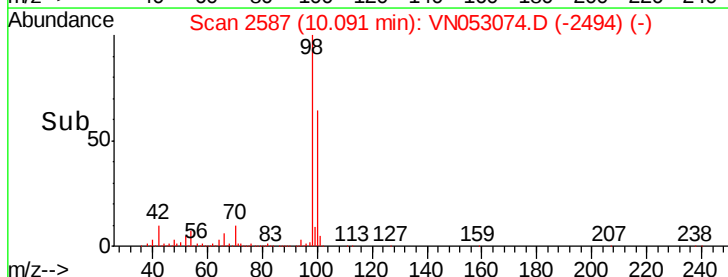
100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN052954.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN052954.D (-2569) (-)

Time-->

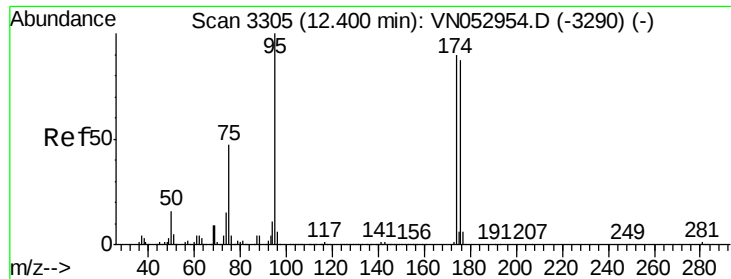


Abundance

Ion 98.00 (97.70 to 98.70): VN053074.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053074.D (-2494) (-)

Time-->



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053074.D

Acq: 20 Dec 2018 23:55

Instrument :

MSVOA_N

ClientSampleId :

TB-122018-01

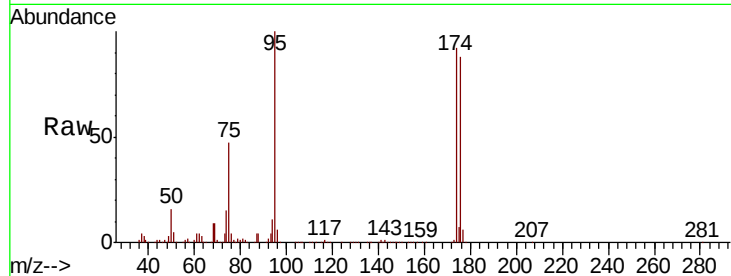
Tot Ion: 95 Resp: 740978

Ion Ratio Lower Upper

95 100

174 90.8 0.0 178.8

176 87.7 0.0 173.8

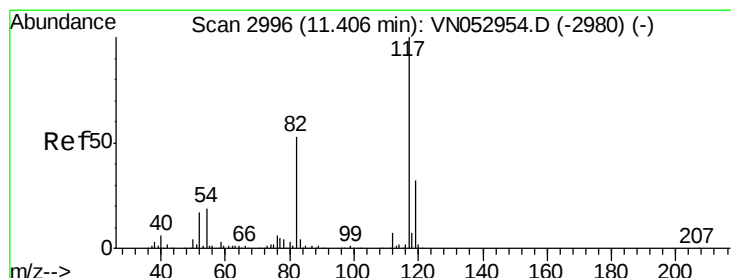
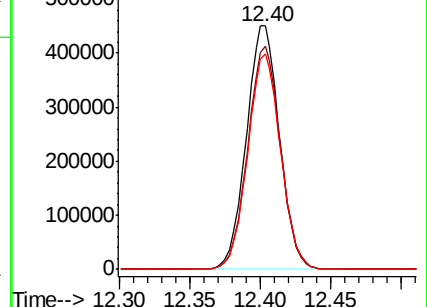
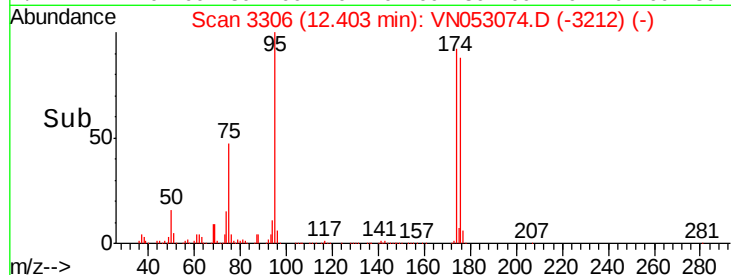


Abundance Ion 94.90 (94.60 to 95.60): VN052954.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052954.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052954.D (-3290) (-)

12.40



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053074.D

Acq: 20 Dec 2018 23:55

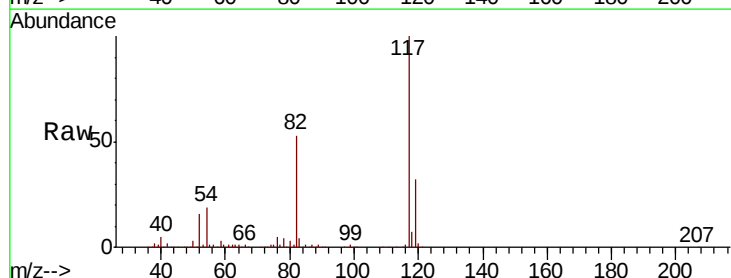
Tgt Ion: 117 Resp: 1655384

Ion Ratio Lower Upper

117 100

82 53.3 42.8 64.2

119 32.1 25.5 38.3

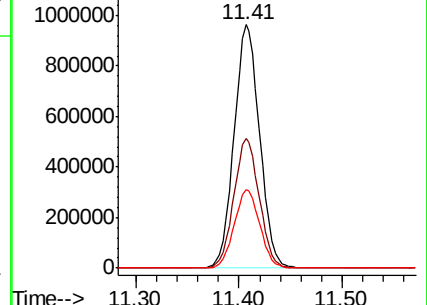
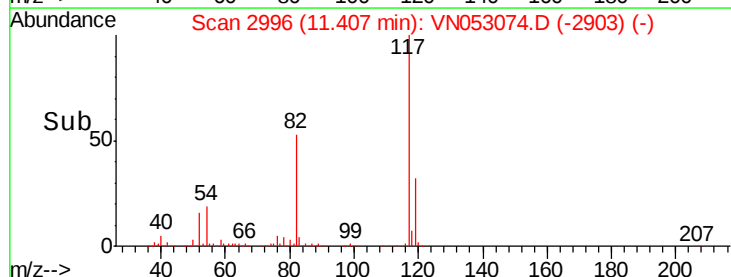


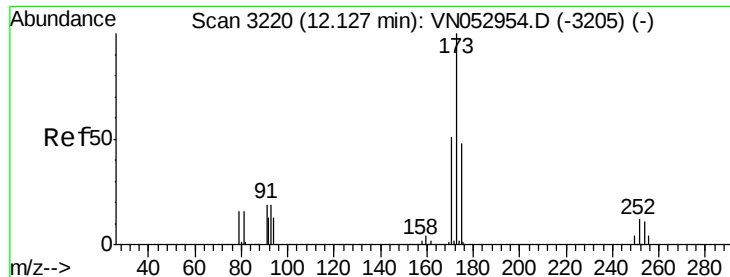
Abundance Ion 116.90 (116.60 to 117.60): VN052954.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN052954.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN052954.D (-2980) (-)

11.41





#71

Bromoform

Concen: 0.465 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053074.D

Acq: 20 Dec 2018 23:55

Instrument :

MSVOA_N

ClientSampleId :

TB-122018-01

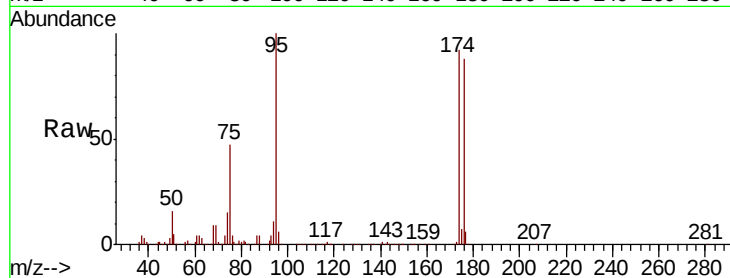
Tot Ion:173 Resp: 4285

Ion Ratio Lower Upper

173 100

175 978.9 24.3 72.9#

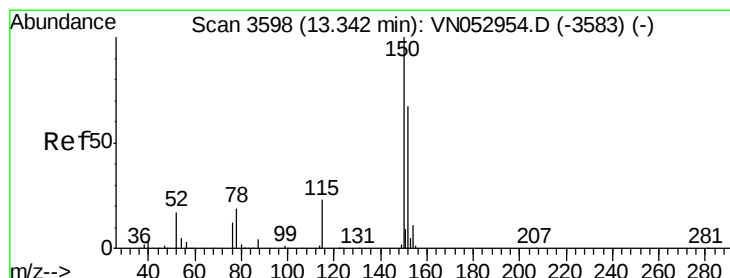
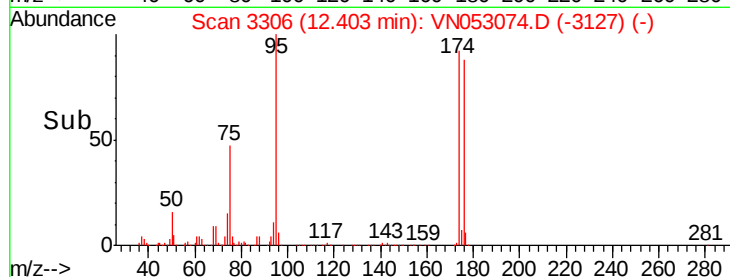
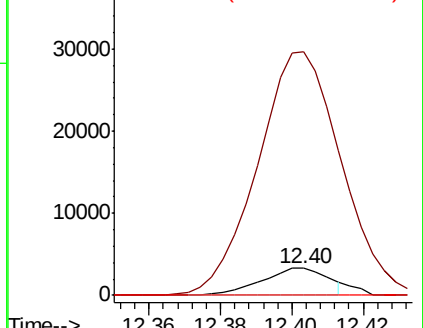
254 0.0 0.1 0.1#



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: VN053074.D

Acq: 20 Dec 2018 23:55

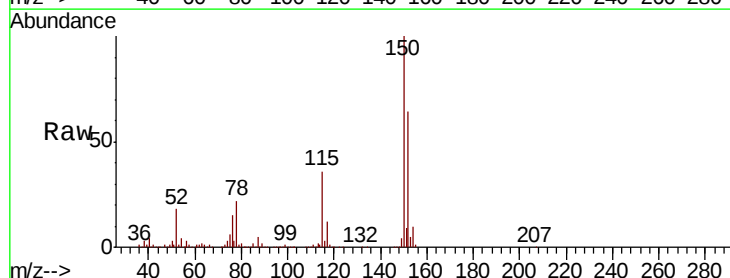
Tgt Ion:152 Resp: 667418

Ion Ratio Lower Upper

152 100

115 56.0 28.3 85.0

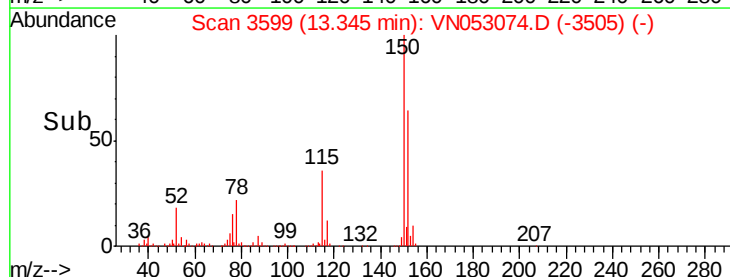
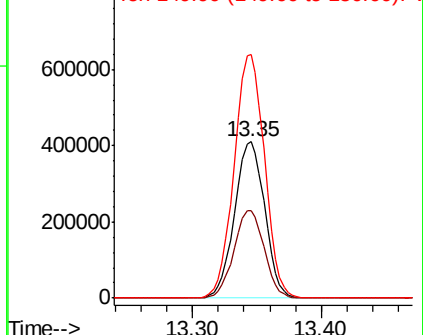
150 156.7 0.0 347.8

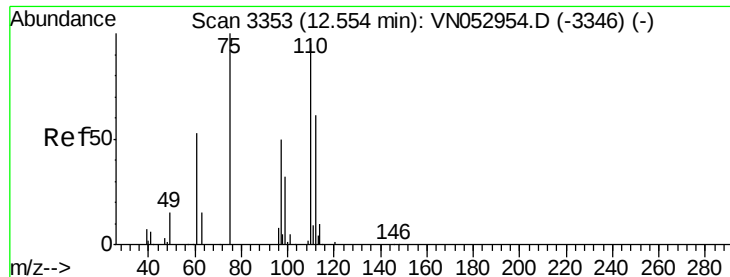


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 30.668 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053074.D

Acq: 20 Dec 2018 23:55

Instrument :

MSVOA_N

ClientSampleId :

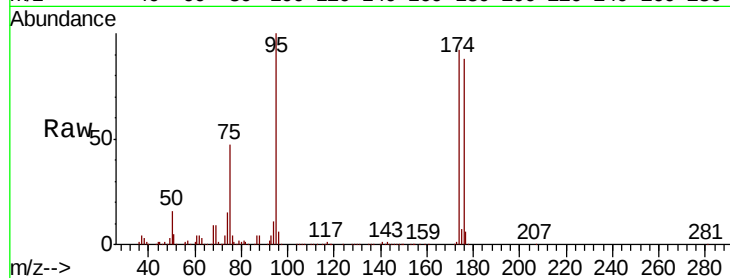
TB-122018-01

Tot Ion: 75 Resp: 344567

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

250000

200000

150000

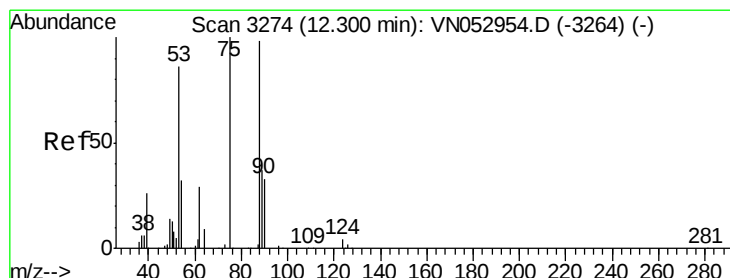
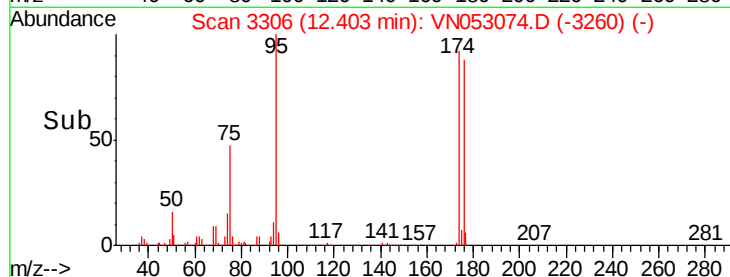
100000

50000

0

12.35 12.40 12.45

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 98.847 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053074.D

Acq: 20 Dec 2018 23:55

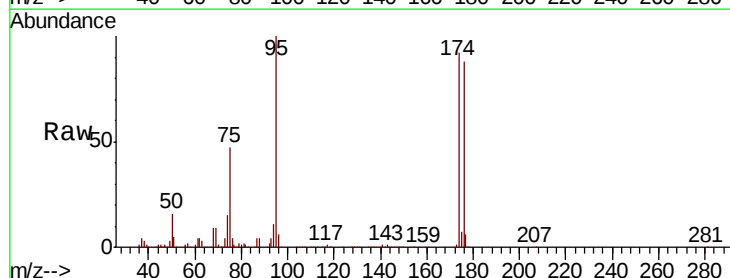
Tgt Ion: 75 Resp: 344567

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

250000

200000

150000

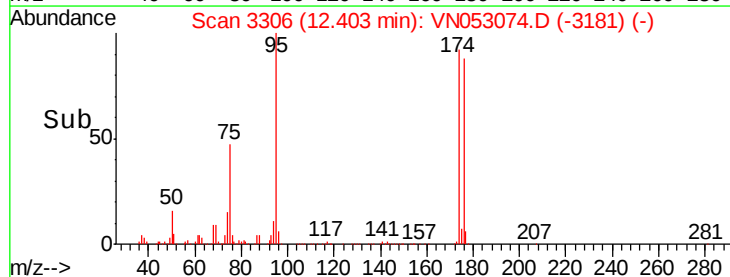
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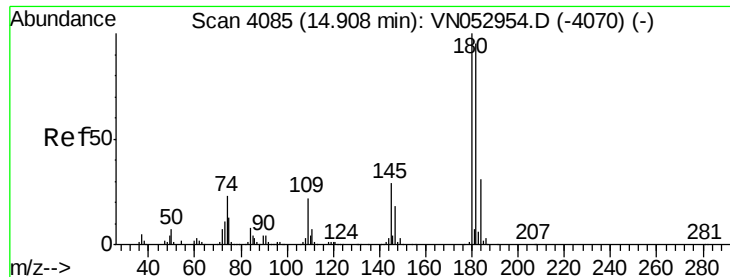
50000

0

12.35 12.40 12.45

Time-->

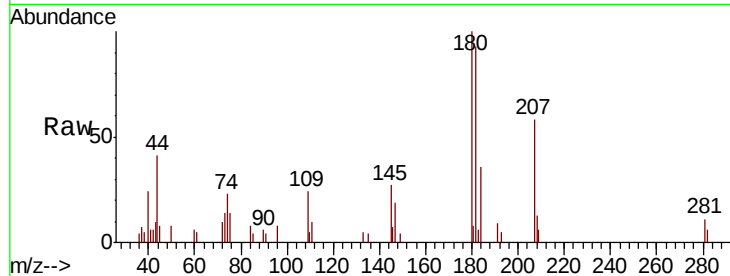




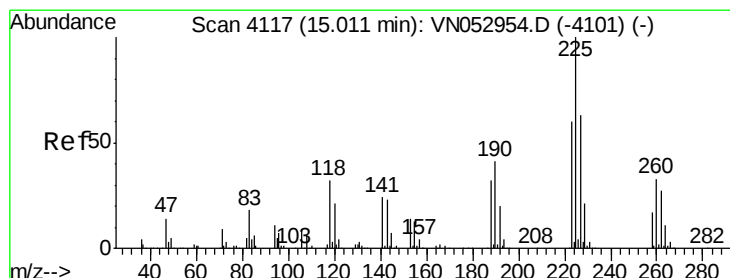
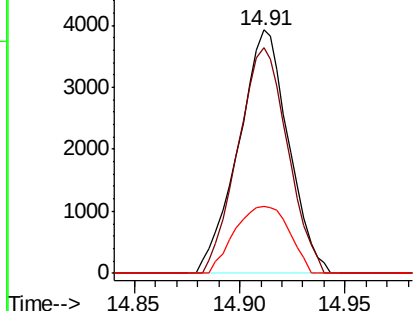
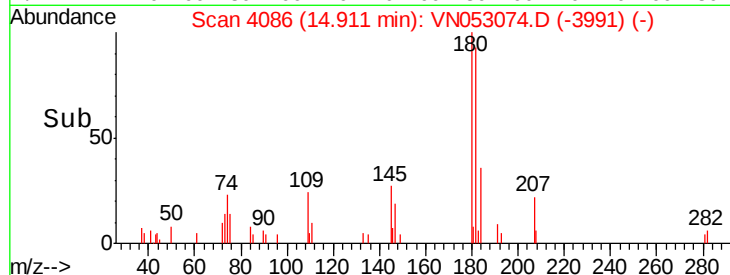
#93
 1,2,4-Trichlorobenzene
 Concen: 1.128 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053074.D
 Acq: 20 Dec 2018 23:55

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-122018-01

Tot Ion:180 Resp: 6446
 Ion Ratio Lower Upper
 180 100
 182 92.0 47.8 143.3
 145 30.0 14.2 42.6

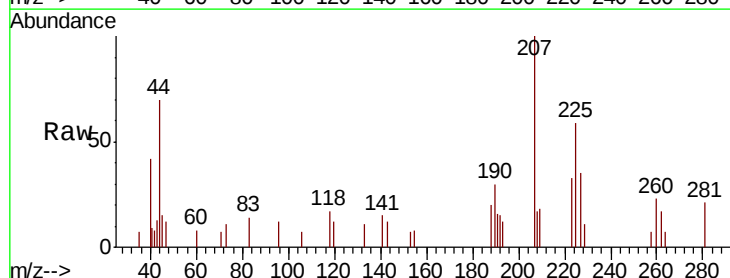


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

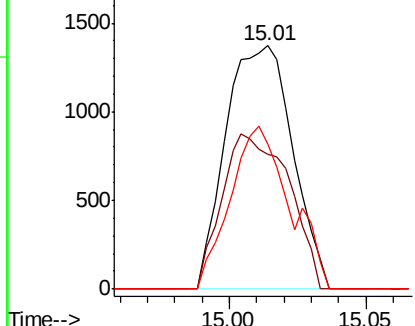
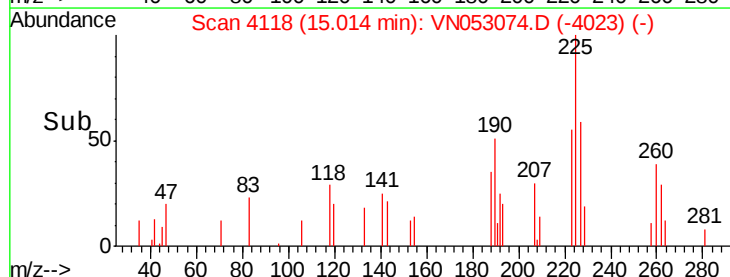


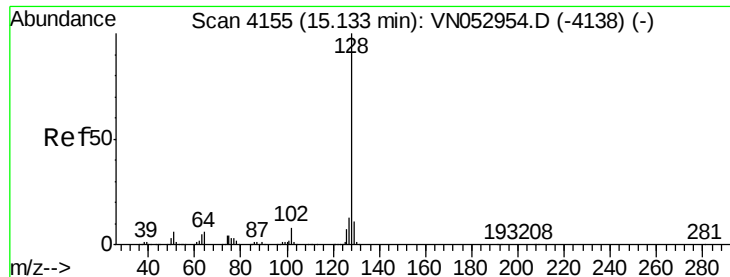
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN053074.D
 Acq: 20 Dec 2018 23:55

Tgt Ion:225 Resp: 2336
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.5 94.5
 227 59.7 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 1.966 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053074.D

Acq: 20 Dec 2018 23:55

Instrument :

MSVOA_N

ClientSampleId :

TB-122018-01

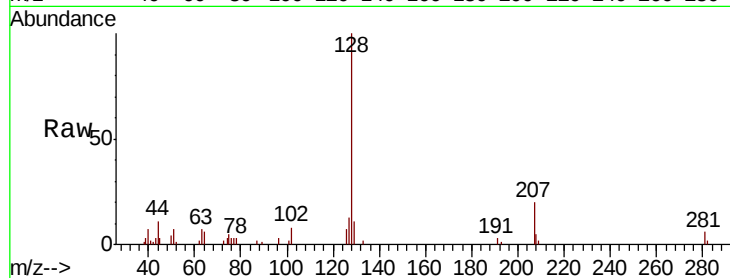
Tot Ion:128 Resp: 22020

Ion Ratio Lower Upper

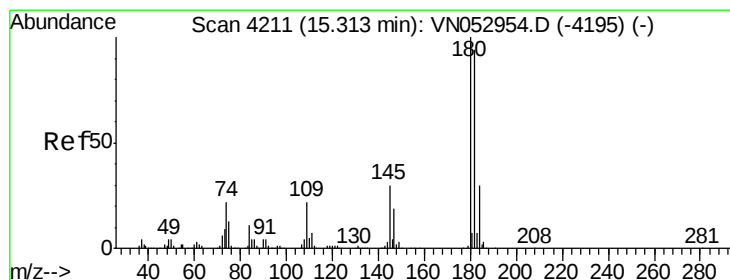
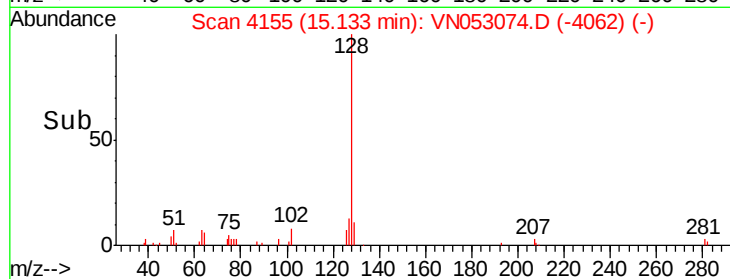
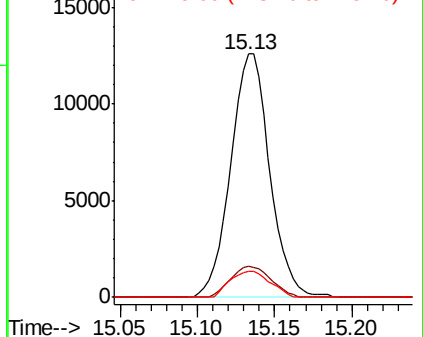
128 100

127 13.2 10.2 15.4

129 11.0 8.6 13.0



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: 1.165 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053074.D

Acq: 20 Dec 2018 23:55

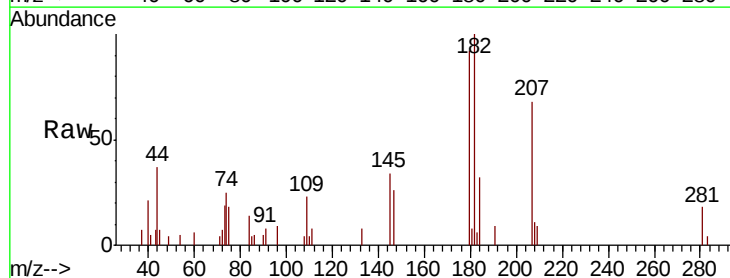
Tgt Ion:180 Resp: 7165

Ion Ratio Lower Upper

180 100

182 106.8 47.9 143.7

145 36.1 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

