

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
 Data File : VN054261.D
 Acq On : 14 Mar 2019 14:54
 Operator : JC/SP
 Sample : K1898-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Mar 15 06:52:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1338508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2227974	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2346481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	989423	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	723427	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
35) Dibromofluoromethane	7.59	113	692796	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
50) Toluene-d8	10.09	98	2791809	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	
62) 4-Bromofluorobenzene	12.40	95	1055592	56.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.70%	

Target Compounds

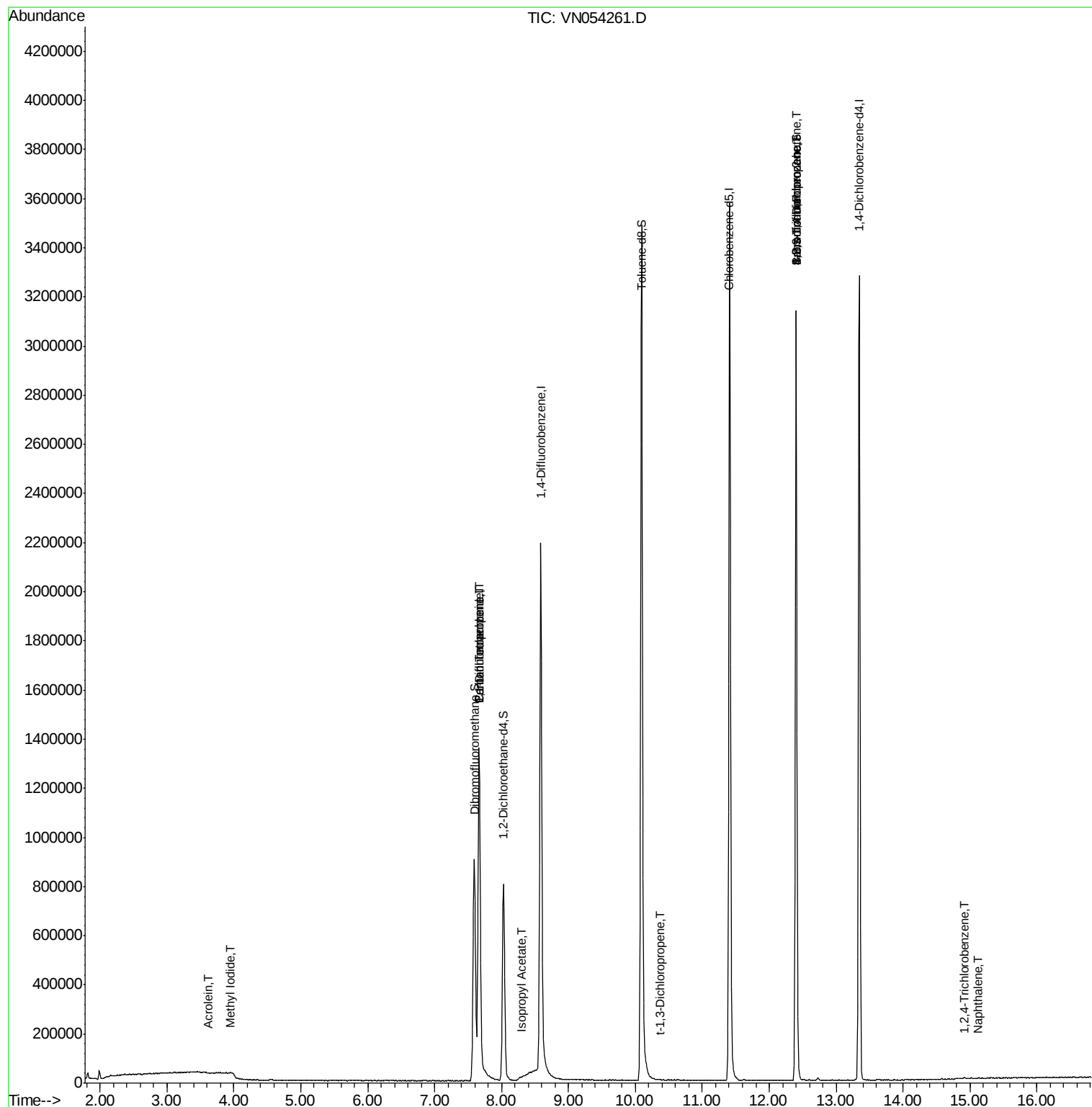
					Qvalue	
10) Methyl Iodide	3.94	142	654	1.529	ug/l #	78
13) Acrolein	3.61	56	311	0.337	ug/l #	1
31) Cyclohexane	7.66	56	20853	Below Cal	#	16
36) 1,1-Dichloropropene	7.66	75	77987	3.801	ug/l #	48
38) Carbon Tetrachloride	7.66	117	107907	5.015	ug/l #	16
43) Isopropyl Acetate	8.29	43	14918	0.721	ug/l #	60
53) t-1,3-Dichloropropene	10.37	75	30	1.987	ug/l #	42
71) Bromoform	12.40	173	6407	2.779	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	511675	35.167	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	511675	120.216	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.90	180	491	2.539	ug/l #	35
95) Naphthalene	15.13	128	1220	3.496	ug/l	97

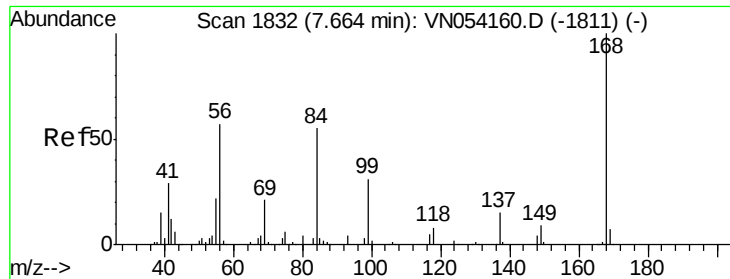
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
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: VN054261.D

Acq: 14 Mar 2019 14:54

Instrument :

MSVOA_N

ClientSampleId :

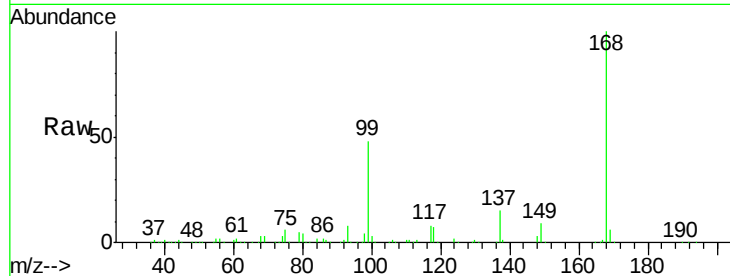
TRIP-BLANK

Tot Ion:168 Resp: 1338508

Ion Ratio Lower Upper

168 100

99 47.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

500000

400000

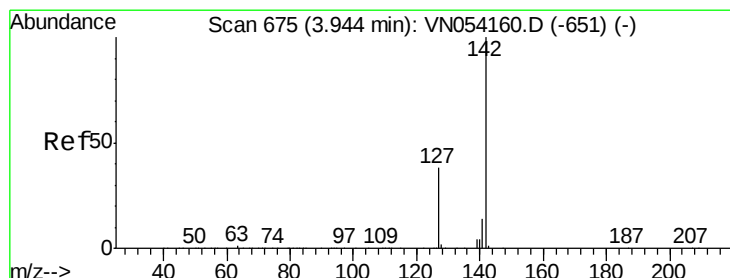
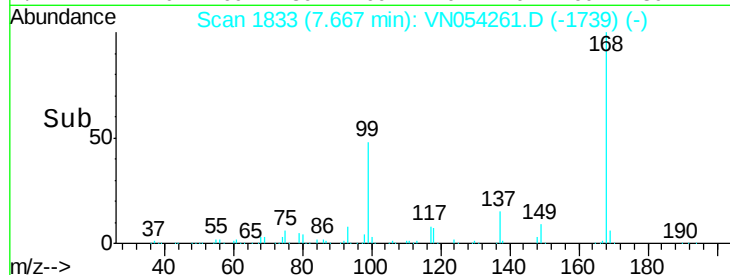
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 1.529 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054261.D

Acq: 14 Mar 2019 14:54

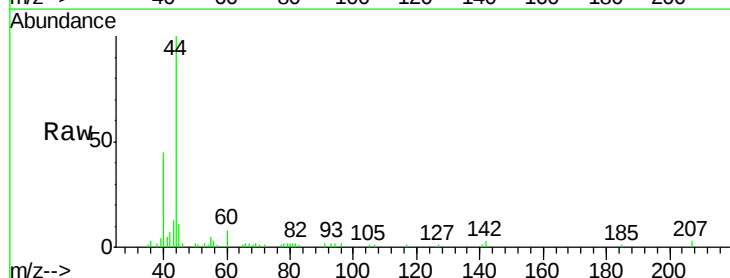
Tgt Ion:142 Resp: 654

Ion Ratio Lower Upper

142 100

127 21.9 30.3 45.5#

141 9.5 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.94

600

500

400

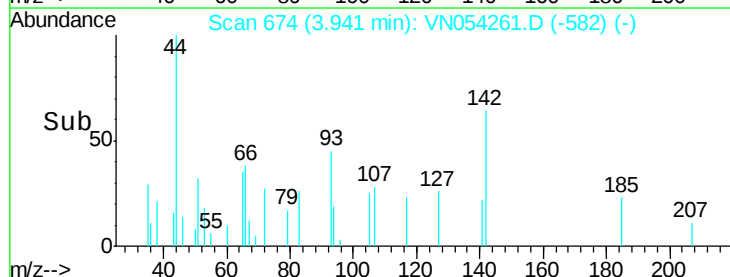
300

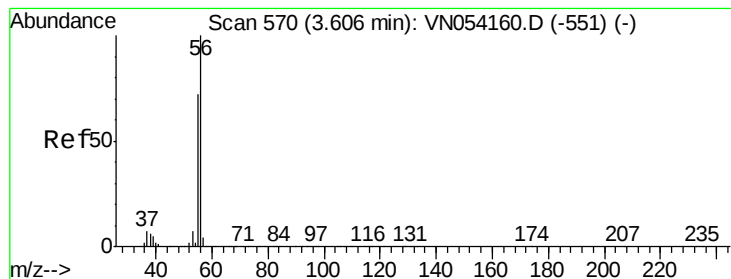
200

100

0

Time-->





#13

Acrolein

Concen: 0.337 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054261.D

Acq: 14 Mar 2019 14:54

Instrument :

MSVOA_N

ClientSampleId :

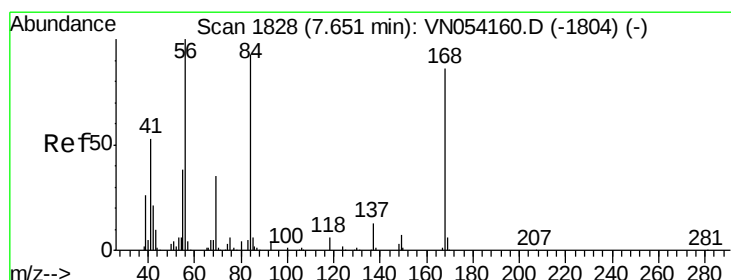
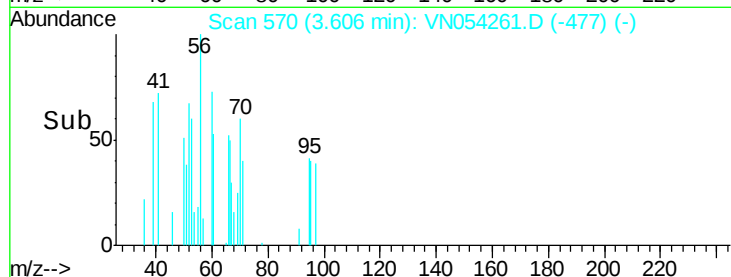
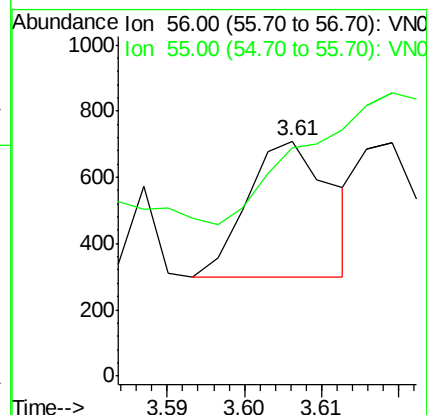
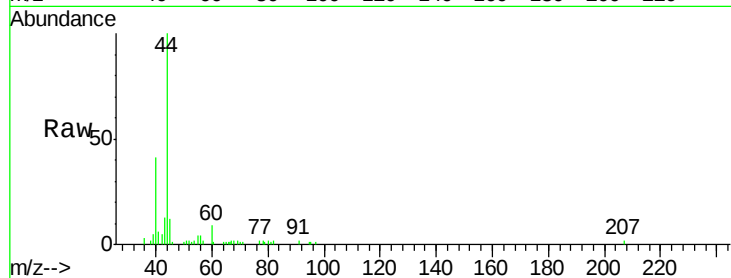
TRIP-BLANK

Tot Ion: 56 Resp: 311

Ion Ratio Lower Upper

56 100

55 203.2 56.7 85.1#



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN054261.D

Acq: 14 Mar 2019 14:54

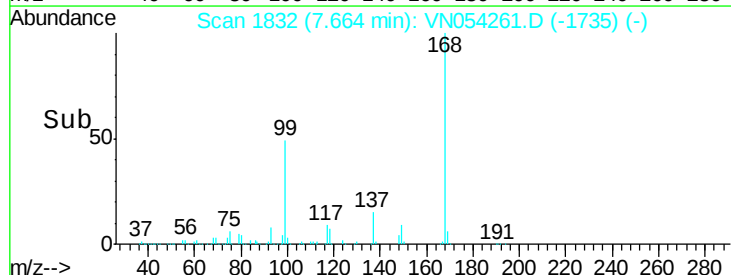
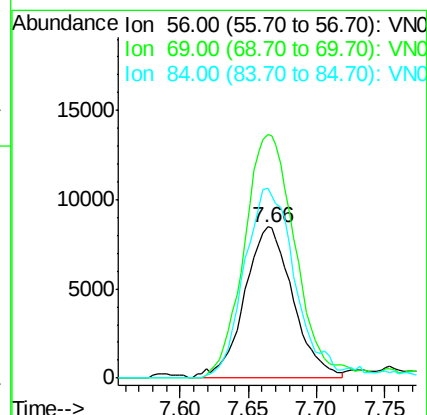
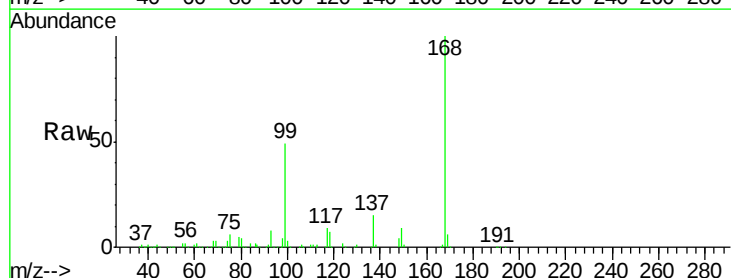
Tgt Ion: 56 Resp: 20853

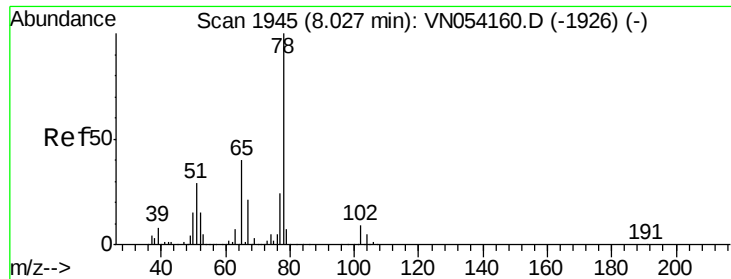
Ion Ratio Lower Upper

56 100

69 161.0 27.8 41.6#

84 125.6 74.6 111.8#





#33

1,2-Dichloroethane-d4

Concen: 50.892 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054261.D

Acq: 14 Mar 2019 14:54

Instrument :

MSVOA_N

ClientSampleId :

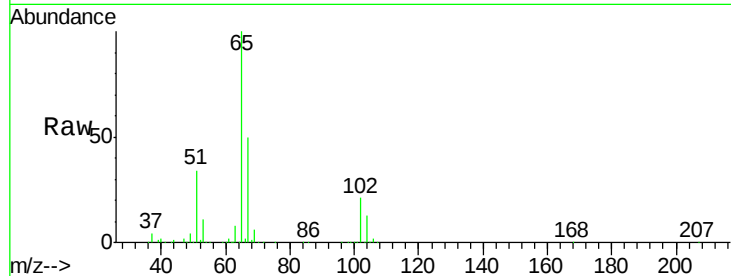
TRIP-BLANK

Tot Ion: 65 Resp: 723427

Ion Ratio Lower Upper

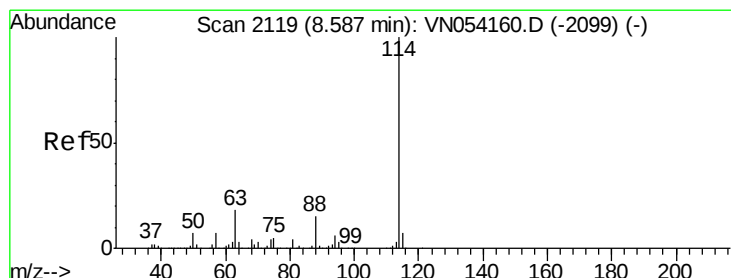
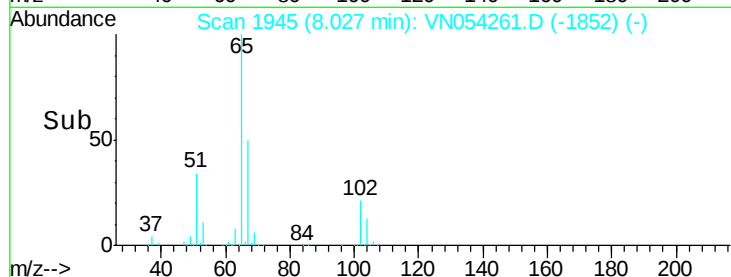
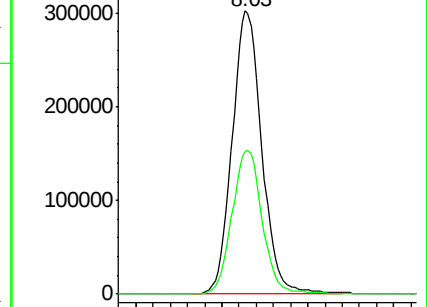
65 100

67 52.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054160.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN054160.D (-1926) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054261.D

Acq: 14 Mar 2019 14:54

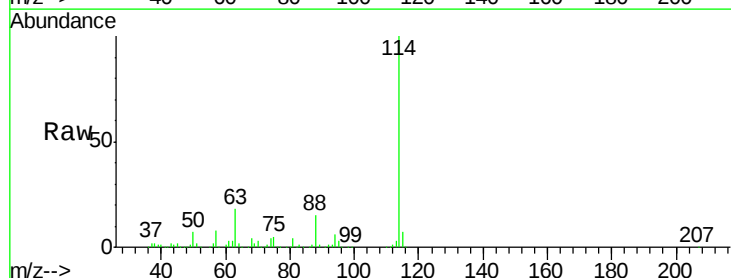
Tgt Ion: 114 Resp: 2227974

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.2

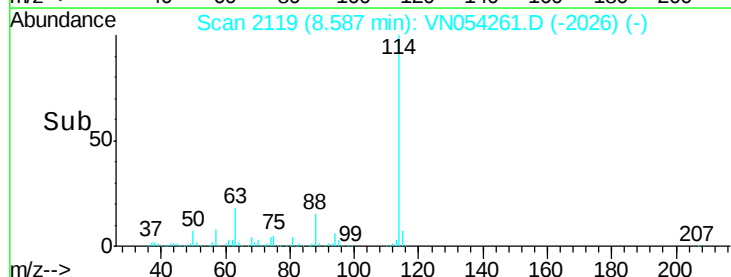
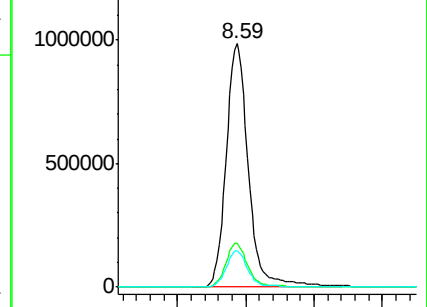
88 15.0 0.0 30.2

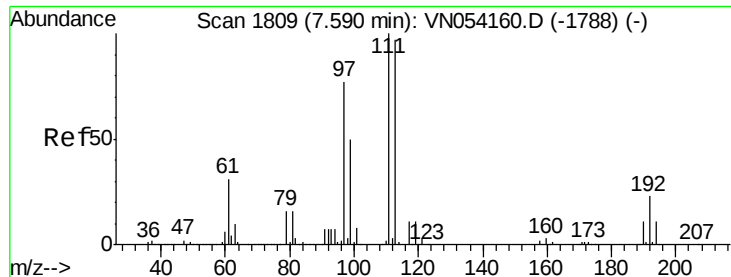


Abundance Ion 113.90 (113.60 to 114.60): VN054160.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN054160.D (-2099) (-)

Ion 87.90 (87.60 to 88.60): VN054160.D (-2099) (-)

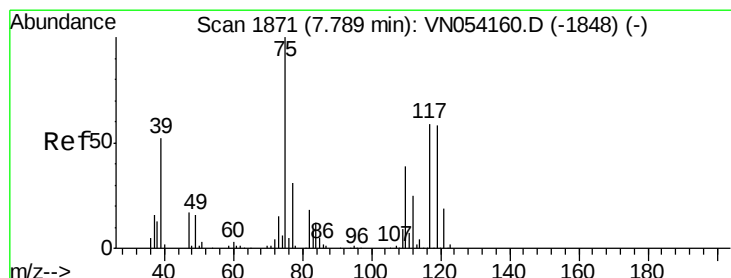
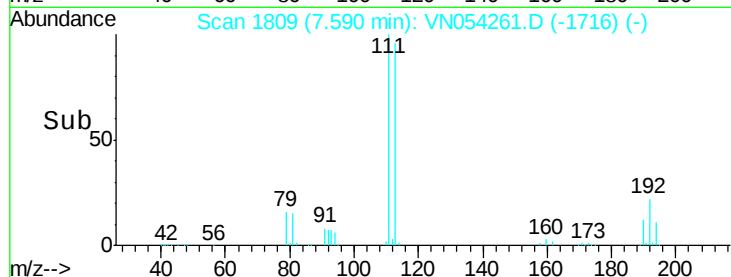
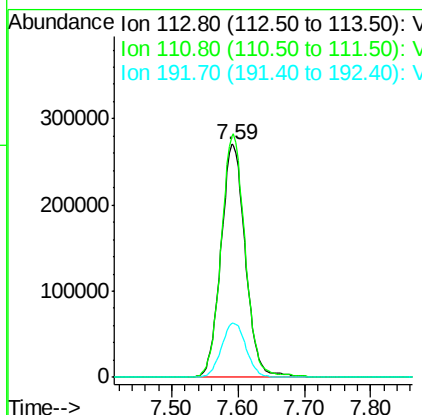
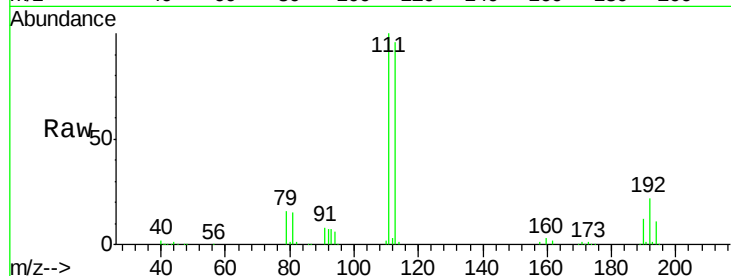




#35
 Dibromofluoromethane
 Concen: 48.213 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054261.D
 Acq: 14 Mar 2019 14:54

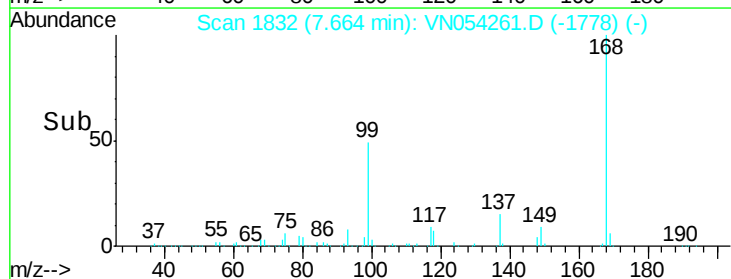
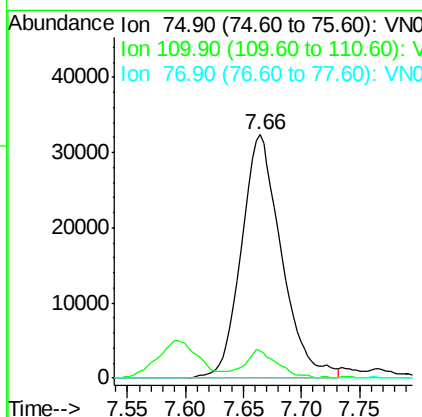
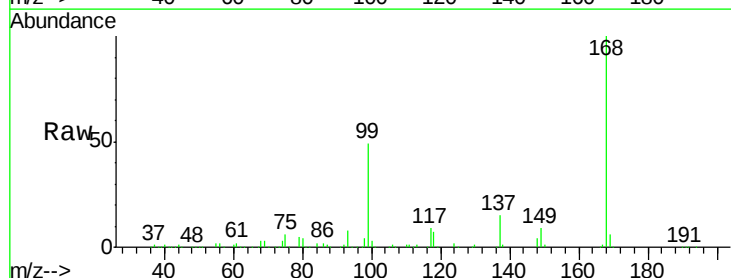
Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

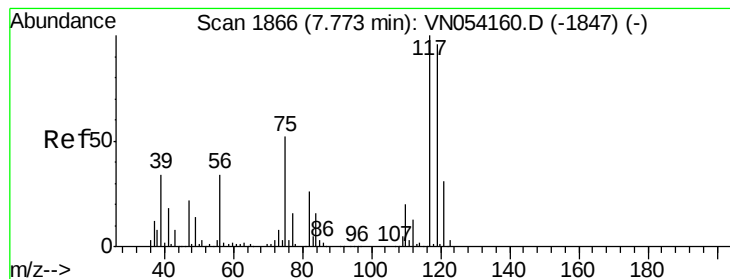
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.4
192	23.5	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 3.801 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054261.D
 Acq: 14 Mar 2019 14:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	19.1	57.5#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 5.015 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054261.D

Acq: 14 Mar 2019 14:54

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

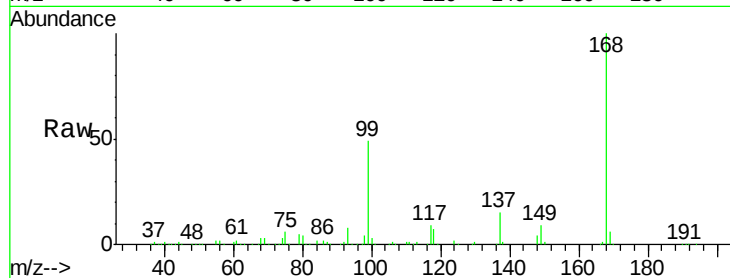
Tot Ion:117 Resp: 107907

Ion Ratio Lower Upper

117 100

119 5.5 76.3 114.5#

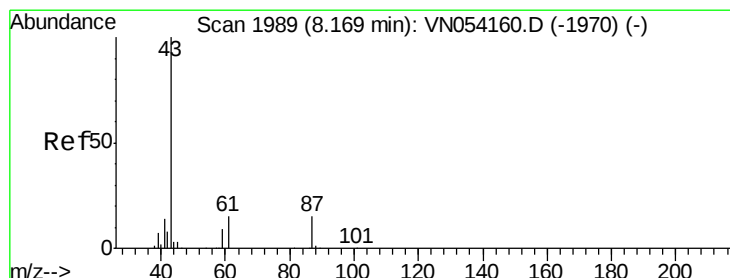
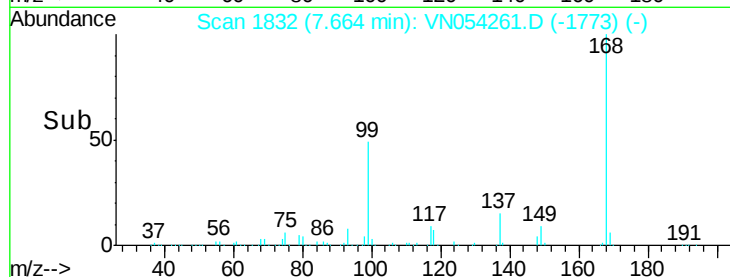
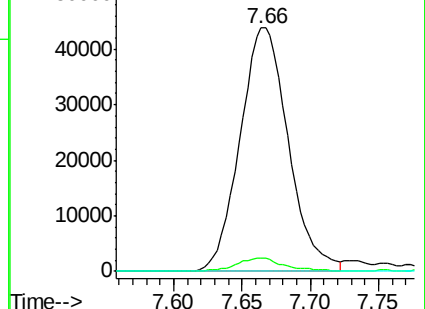
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 0.721 ug/l

RT: 8.29 min Scan# 2027

Delta R.T. 0.12 min

Lab File: VN054261.D

Acq: 14 Mar 2019 14:54

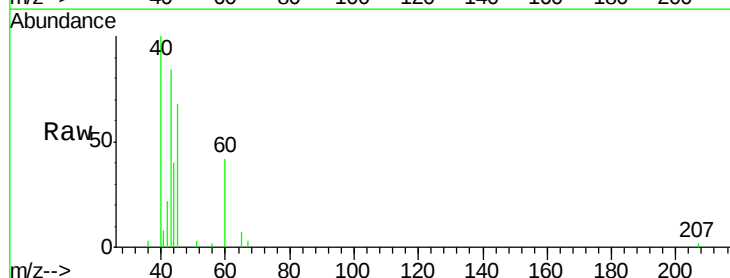
Tgt Ion: 43 Resp: 14918

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

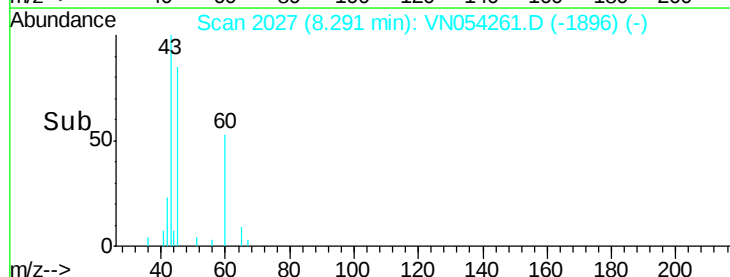
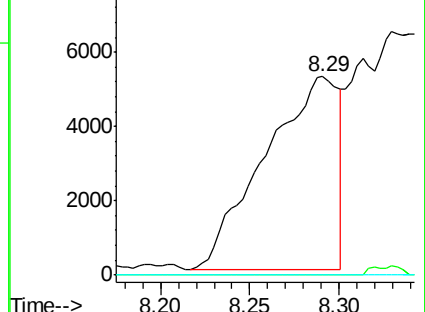
87 0.0 12.0 18.0#

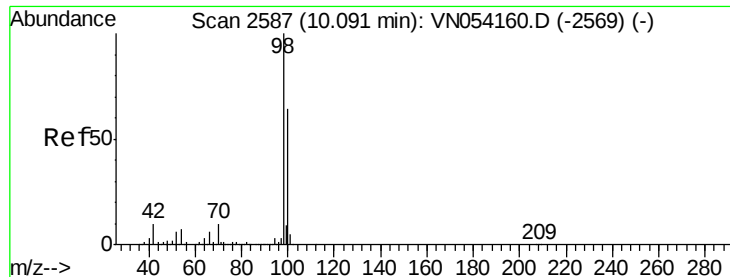


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 52.607 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054261.D

Acq: 14 Mar 2019 14:54

Instrument :

MSVOA_N

ClientSampleId :

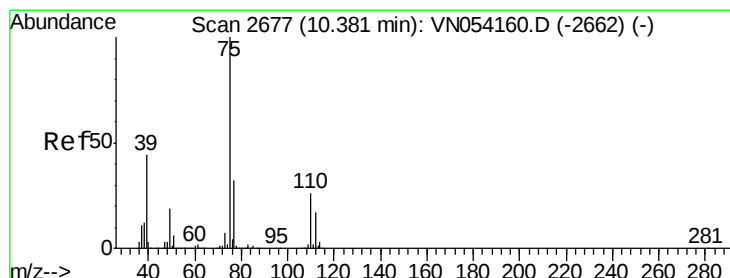
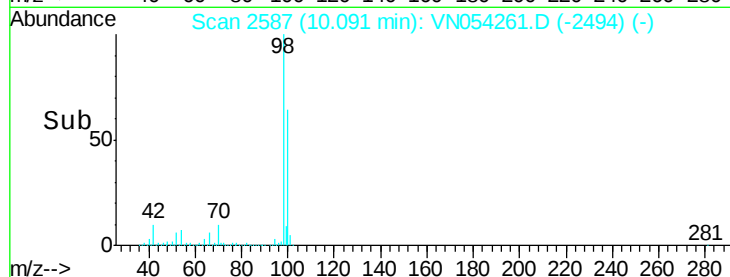
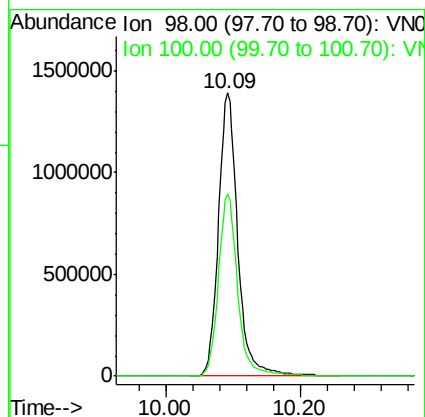
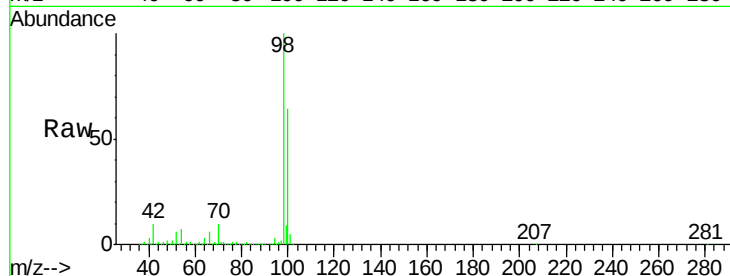
TRIP-BLANK

Tot Ion: 98 Resp: 2791809

Ion Ratio Lower Upper

98 100

100 64.1 51.2 76.8



#53

t-1,3-Dichloropropene

Concen: 1.987 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.01 min

Lab File: VN054261.D

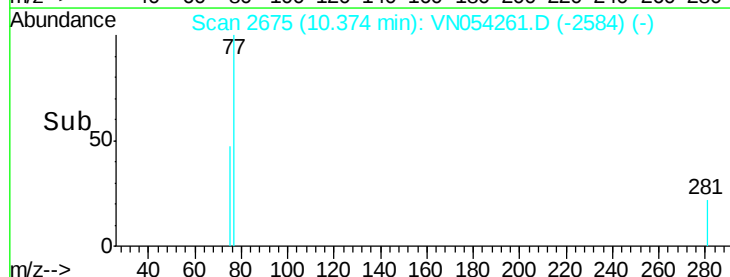
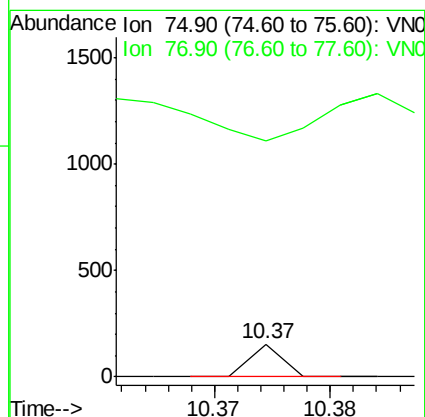
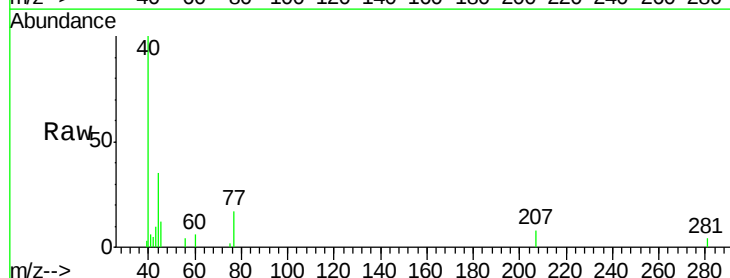
Acq: 14 Mar 2019 14:54

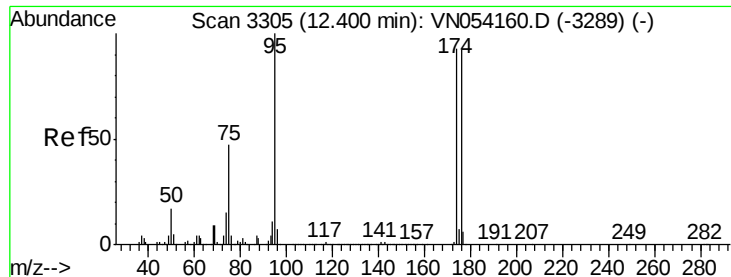
Tgt Ion: 75 Resp: 30

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#





#62

4-Bromofluorobenzene

Concen: 56.848 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054261.D

Acq: 14 Mar 2019 14:54

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

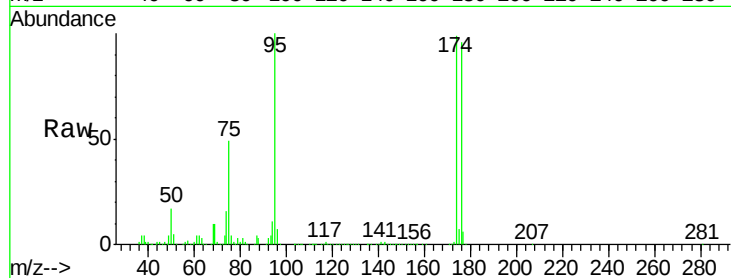
Tot Ion: 95 Resp: 1055592

Ion Ratio Lower Upper

95 100

174 97.8 0.0 191.0

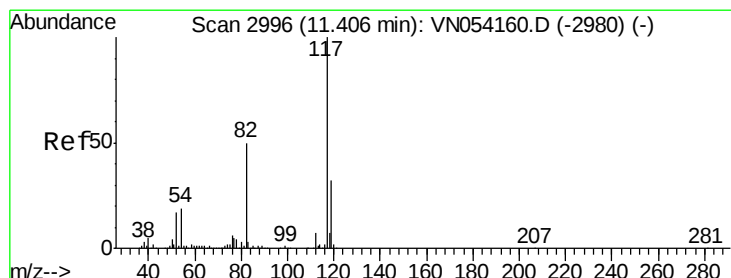
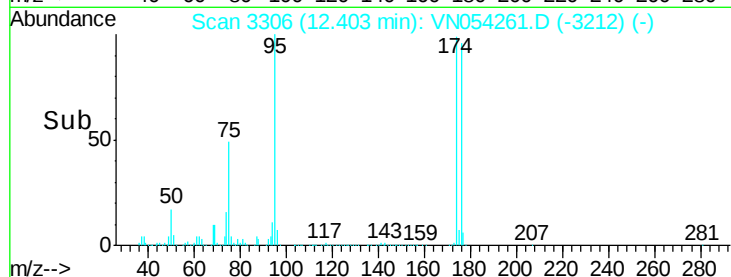
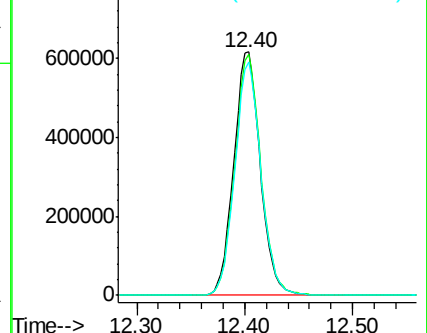
176 94.8 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054160.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN054160.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN054160.D (-3289) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054261.D

Acq: 14 Mar 2019 14:54

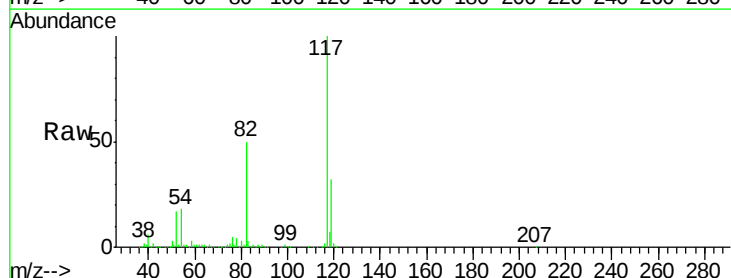
Tgt Ion: 117 Resp: 2346481

Ion Ratio Lower Upper

117 100

82 50.5 40.0 60.0

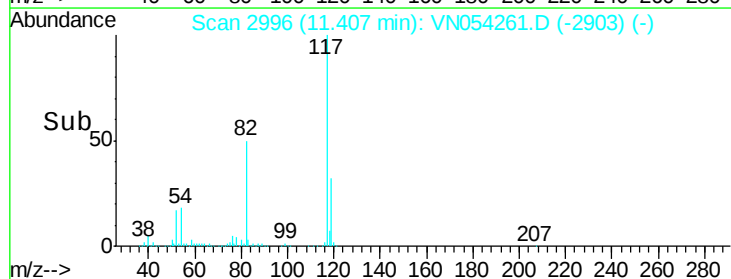
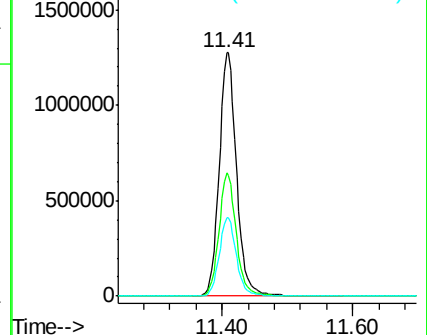
119 32.2 25.8 38.6

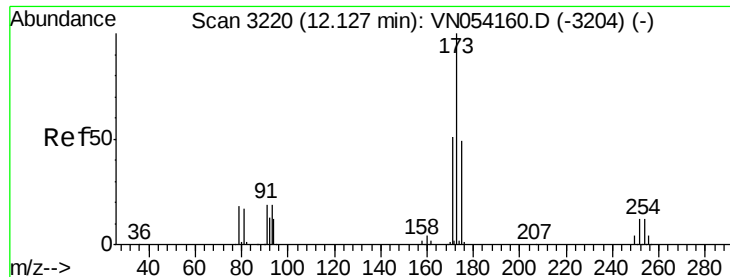


Abundance Ion 116.90 (116.60 to 117.60): VN054160.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN054160.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN054160.D (-2980) (-)





#71

Bromoform

Concen: 2.779 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054261.D

Acq: 14 Mar 2019 14:54

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

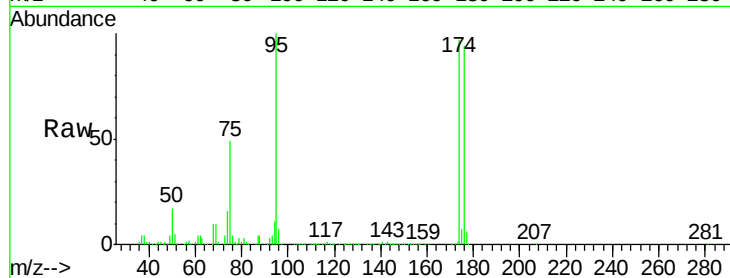
Tot Ion:173 Resp: 6407

Ion Ratio Lower Upper

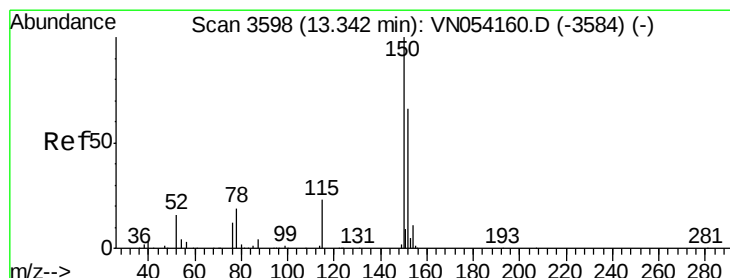
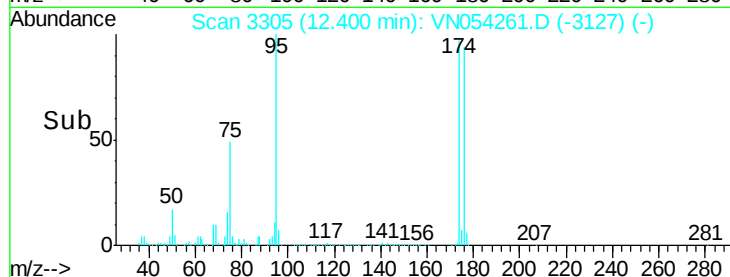
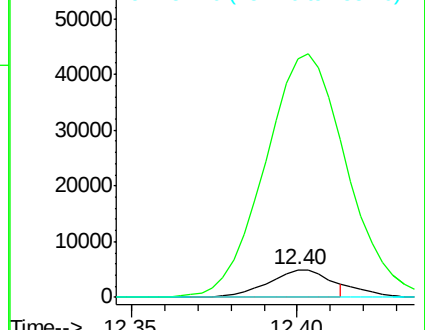
173 100

175 989.7 24.4 73.2#

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: VN054261.D

Acq: 14 Mar 2019 14:54

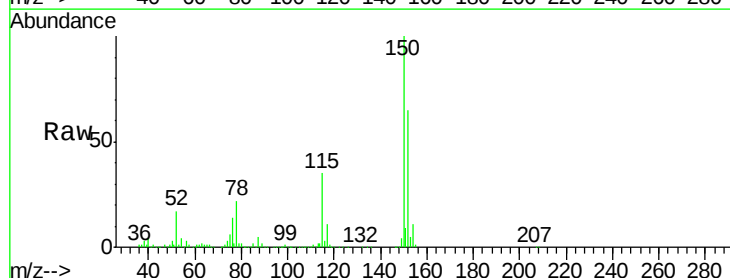
Tgt Ion:152 Resp: 989423

Ion Ratio Lower Upper

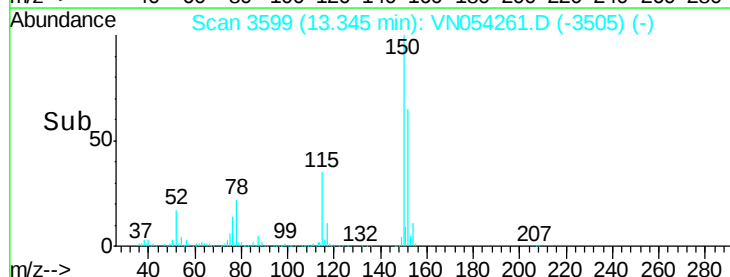
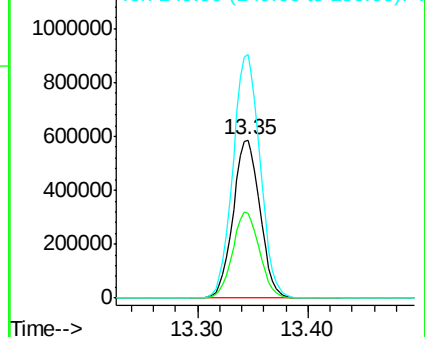
152 100

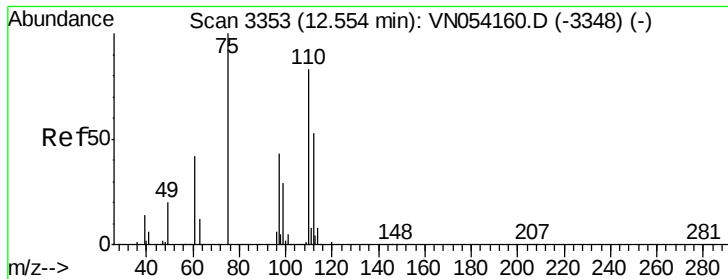
115 54.4 27.2 81.6

150 155.8 0.0 349.2



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: 35.167 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN054261.D

Acq: 14 Mar 2019 14:54

Instrument :

MSVOA_N

ClientSampled :

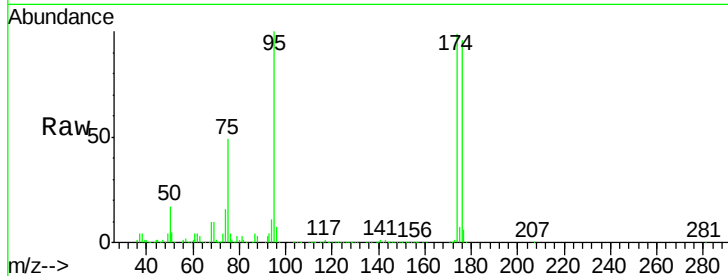
TRIP-BLANK

Tot Ion: 75 Resp: 511675

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.40

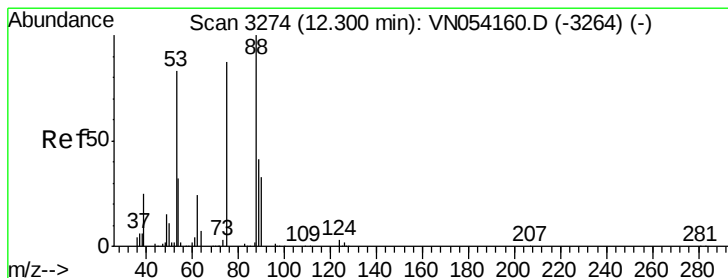
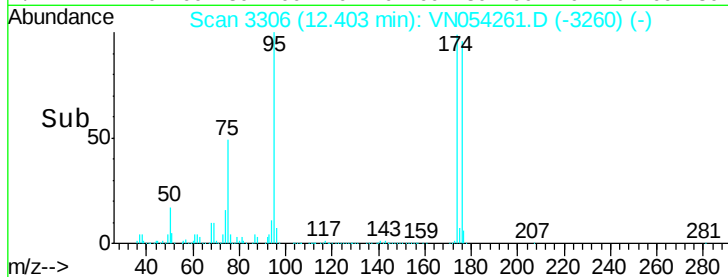
300000

200000

100000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 120.216 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN054261.D

Acq: 14 Mar 2019 14:54

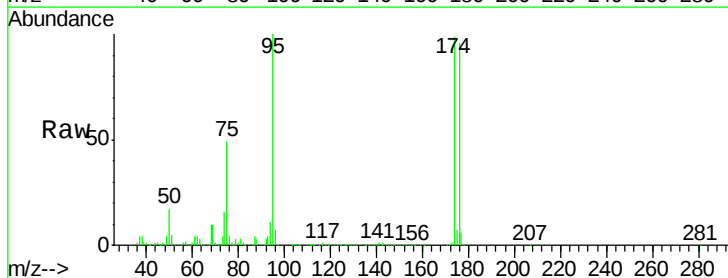
Tgt Ion: 75 Resp: 511675

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



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

12.40

400000

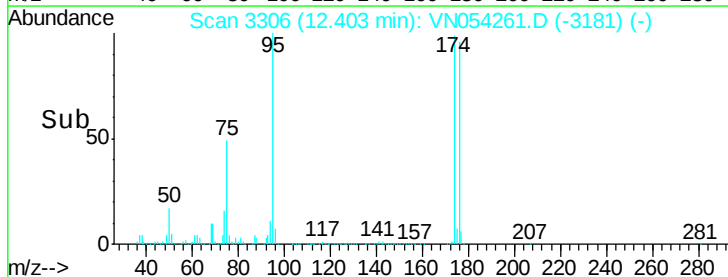
300000

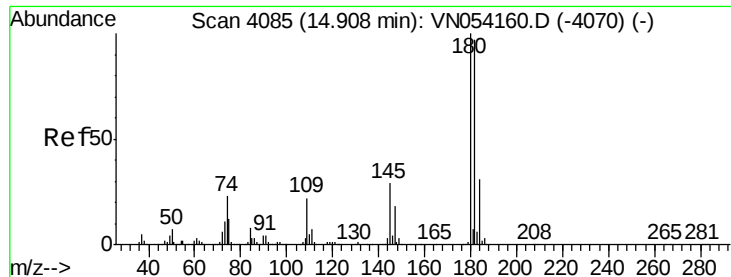
200000

100000

0

Time--> 12.30 12.40 12.50

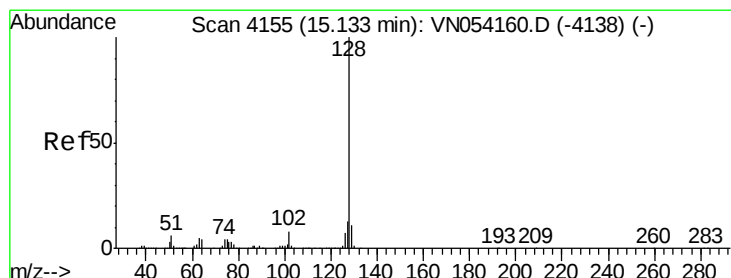
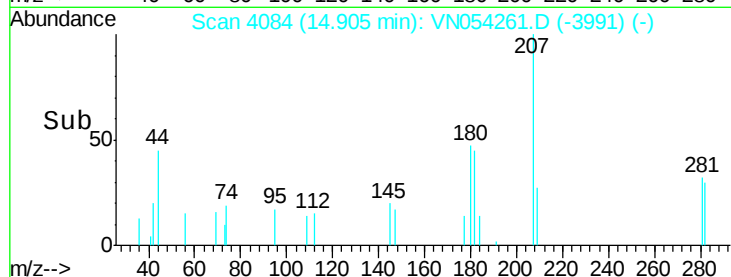
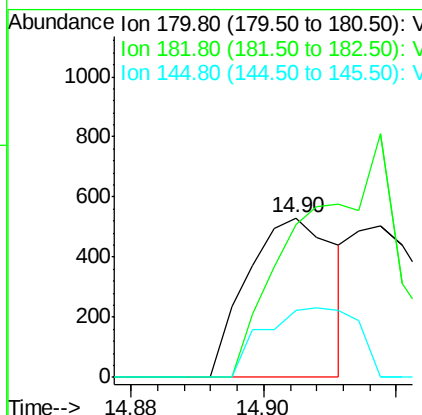
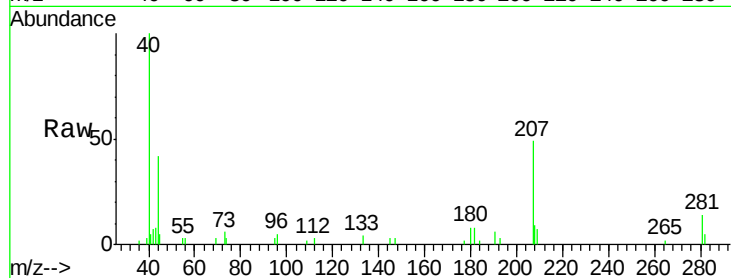




#93
 1,2,4-Trichlorobenzene
 Concen: 2.539 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN054261.D
 Acq: 14 Mar 2019 14:54

Instrument :
 MSVOA_N
 ClientSampled :
 TRIP-BLANK

Tot Ion:180 Resp: 491
 Ion Ratio Lower Upper
 180 100
 182 168.0 48.0 144.2#
 145 46.6 14.2 42.8#



#95
 Naphthalene
 Concen: 3.496 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. -0.00 min
 Lab File: VN054261.D
 Acq: 14 Mar 2019 14:54

Tgt Ion:128 Resp: 1220
 Ion Ratio Lower Upper
 128 100
 127 14.3 10.1 15.1
 129 10.2 8.7 13.1

