

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\
 Data File : VN059234.D
 Acq On : 14 Nov 2019 15:22
 Operator : JC/SP
 Sample : K5842-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 06:31:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

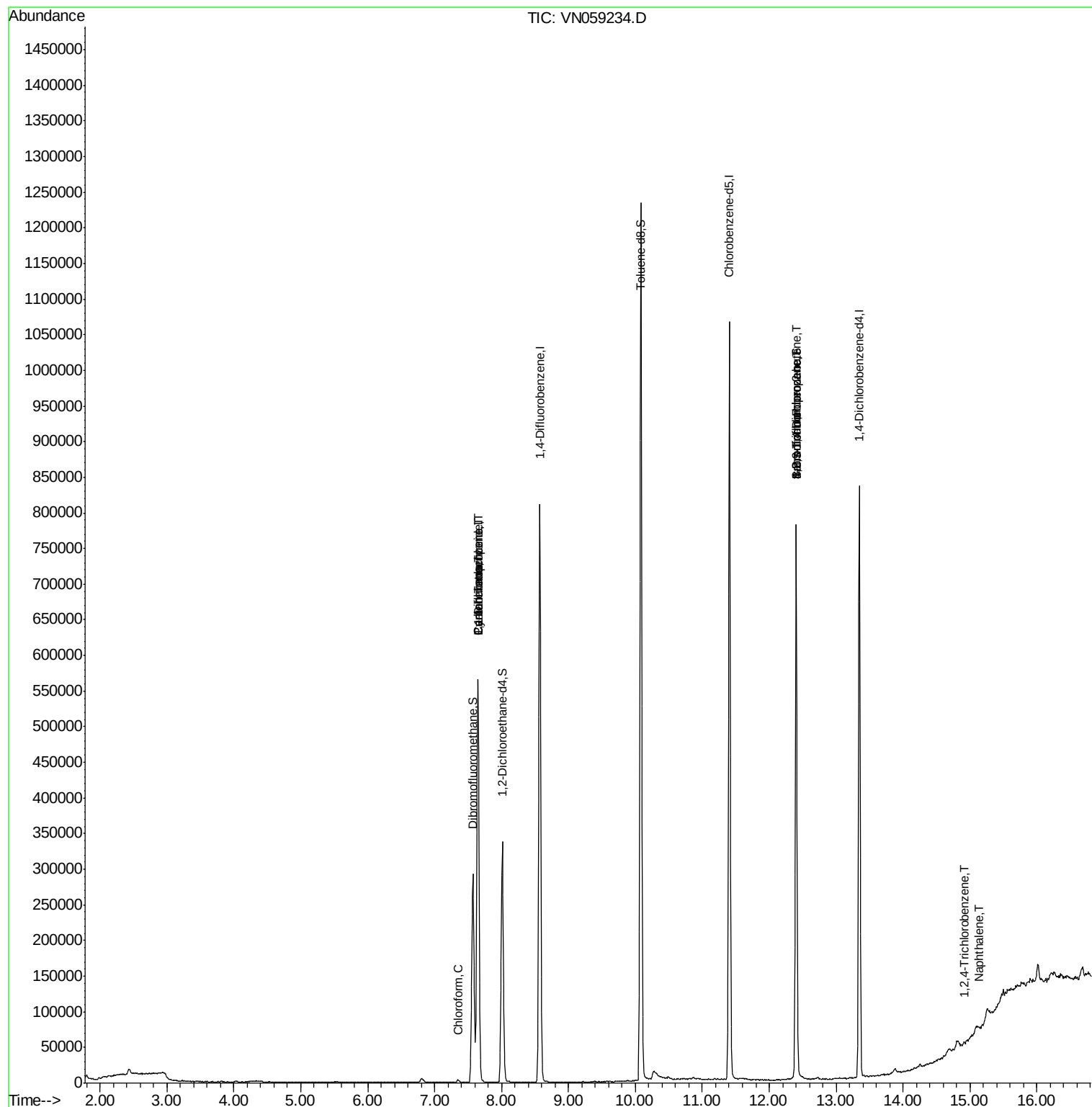
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	466696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	720722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	621442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	226068	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	290703	50.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.34%	
35) Dibromofluoromethane	7.57	113	225624	52.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.86%	
50) Toluene-d8	10.08	98	871550	51.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.40	95	276054	45.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.34%	
Target Compounds						
					Qvalue	
30) Chloroform	7.35	83	1871	0.207	ug/l	84
31) Cyclohexane	7.65	56	9509	1.065	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	35487	5.268	ug/l #	50
38) Carbon Tetrachloride	7.65	117	43380	6.470	ug/l #	17
71) Bromoform	12.40	173	1680	0.475	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	134611	26.154	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	134611	69.081	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.92	180	204	3.092	ug/l #	1
95) Naphthalene	15.14	128	1874	3.195	ug/l #	79

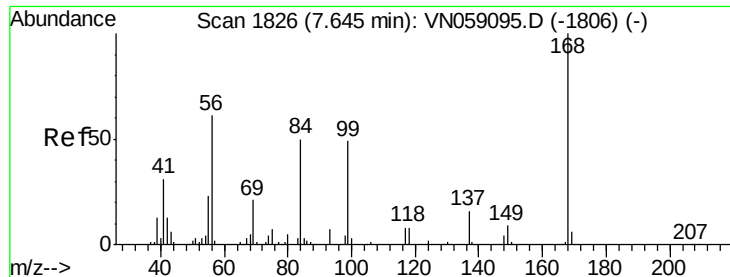
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059234.D

Acq: 14 Nov 2019 15:22

Instrument :

MSVOA_N

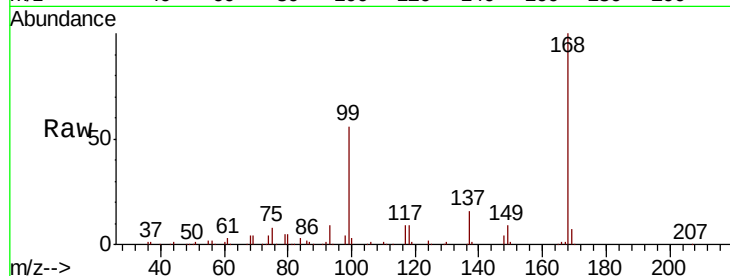
ClientSampled :

Tot Ion:168 Resp: 466696

Ion Ratio Lower Upper

168 100

99 56.1 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059095.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN059095.D (-1806) (-)

7.65

200000

150000

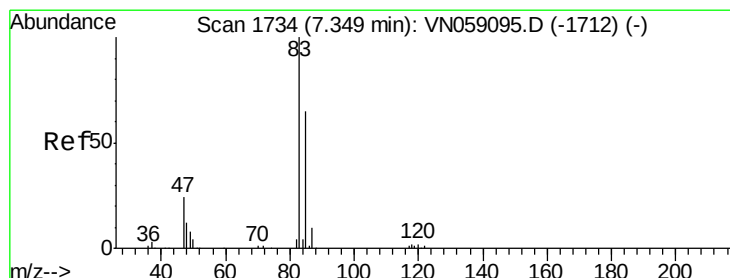
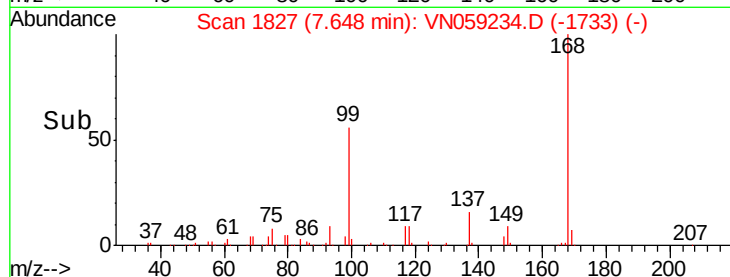
100000

50000

0

7.60 7.70

Time-->



#30

Chloroform

Concen: 0.207 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VN059234.D

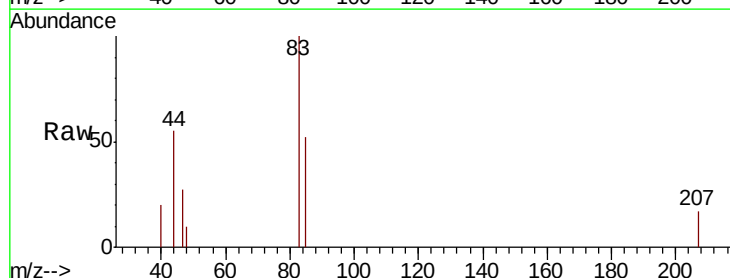
Acq: 14 Nov 2019 15:22

Tgt Ion: 83 Resp: 1871

Ion Ratio Lower Upper

83 100

85 51.9 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN059095.D (-1712) (-)

Ion 84.90 (84.60 to 85.60): VN059095.D (-1712) (-)

7.35

2000

1500

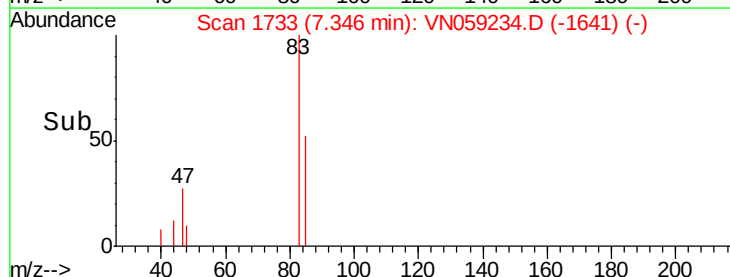
1000

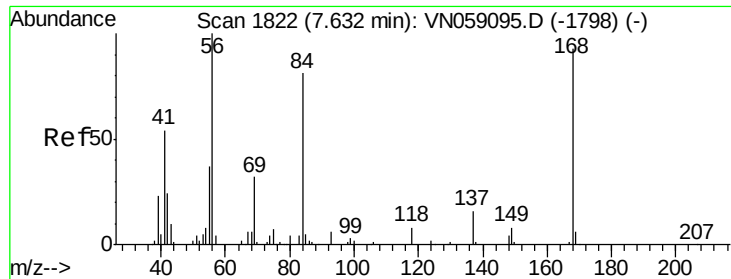
500

0

7.30 7.32 7.34 7.36

Time-->





#31

Cyclohexane

Concen: 1.065 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.02 min

Lab File: VN059234.D

Acq: 14 Nov 2019 15:22

Instrument :

MSVOA_N

ClientSampled :

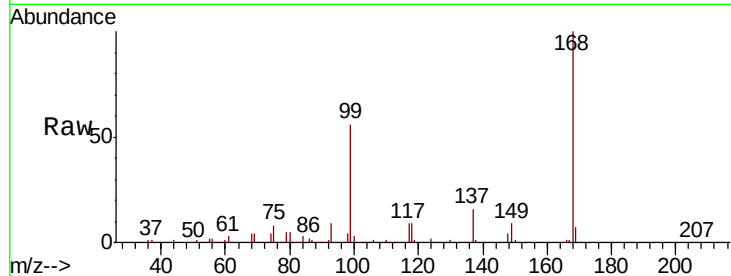
Tot Ion: 56 Resp: 9509

Ion Ratio Lower Upper

56 100

69 184.4 25.8 38.8#

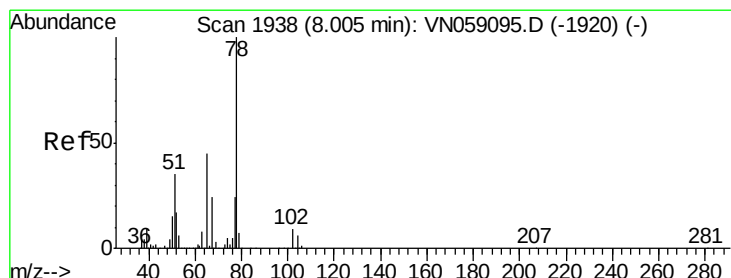
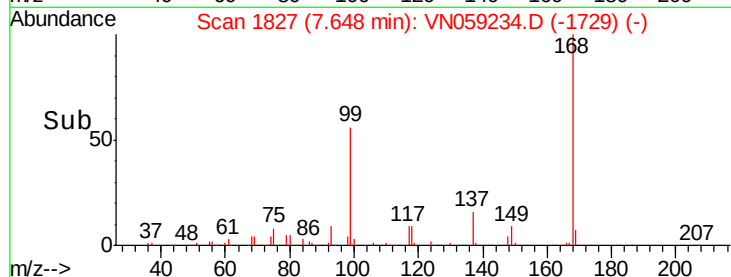
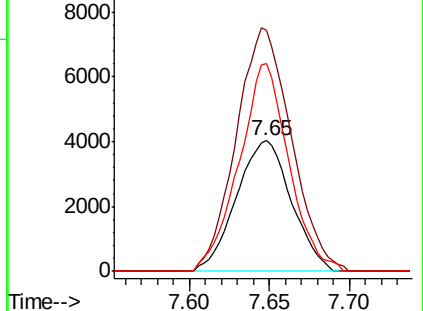
84 159.0 65.0 97.4#



Abundance Ion 56.00 (55.70 to 56.70): VN059095.D (-1798) (-)

Ion 69.00 (68.70 to 69.70): VN059095.D (-1798) (-)

Ion 84.00 (83.70 to 84.70): VN059095.D (-1798) (-)



#33

1,2-Dichloroethane-d4

Concen: 50.672 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.01 min

Lab File: VN059234.D

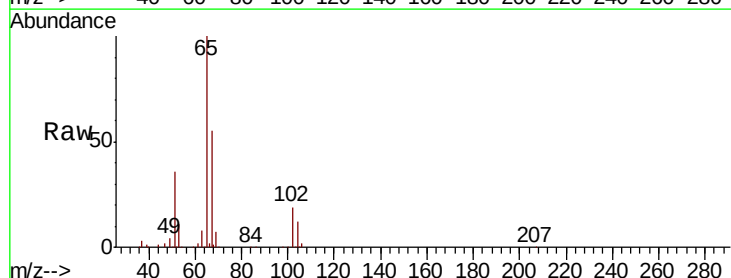
Acq: 14 Nov 2019 15:22

Tgt Ion: 65 Resp: 290703

Ion Ratio Lower Upper

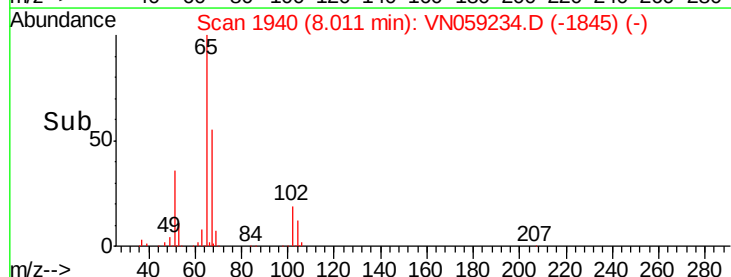
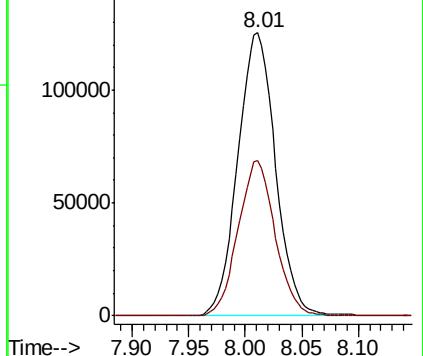
65 100

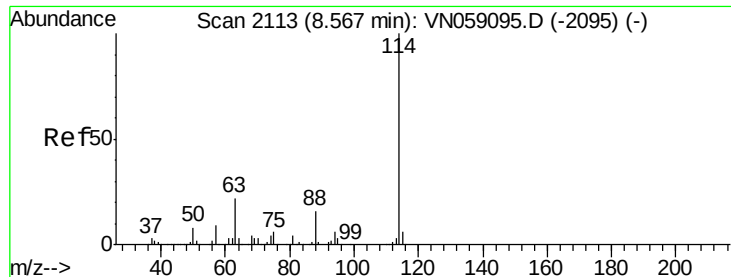
67 54.1 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN059095.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN059095.D (-1920) (-)

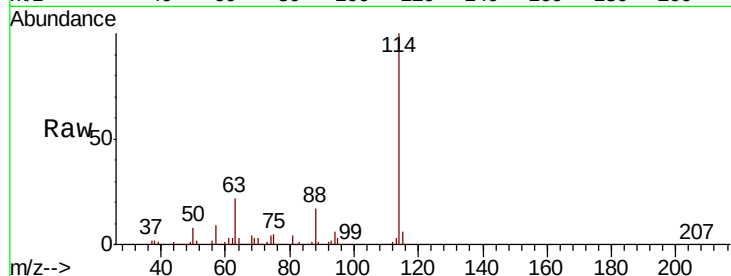




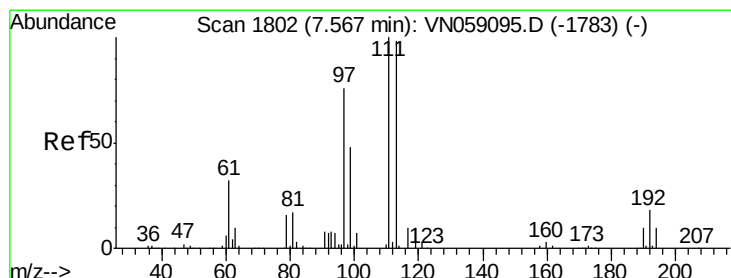
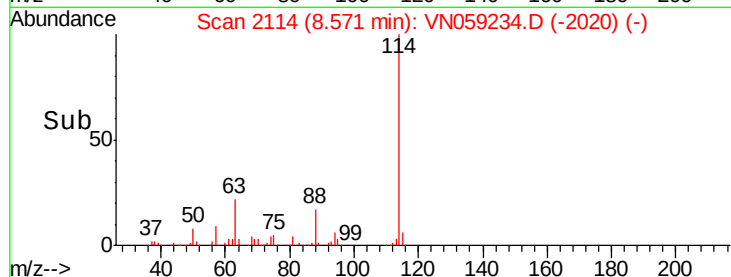
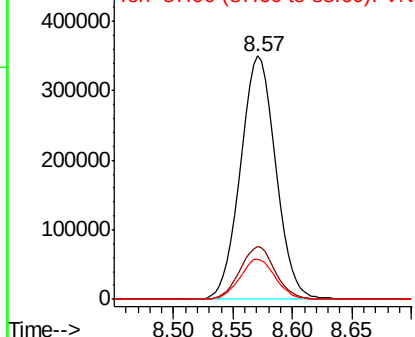
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059234.D
 Acq: 14 Nov 2019 15:22

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 720722
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.4
 88 16.7 0.0 32.2

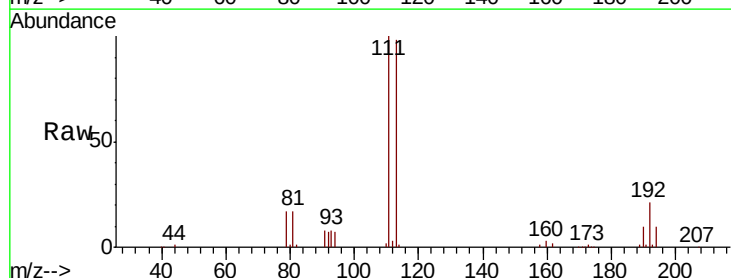


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

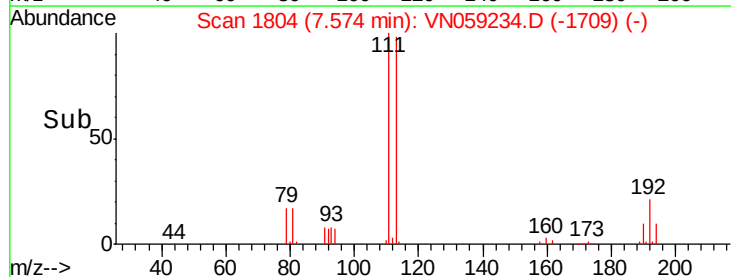
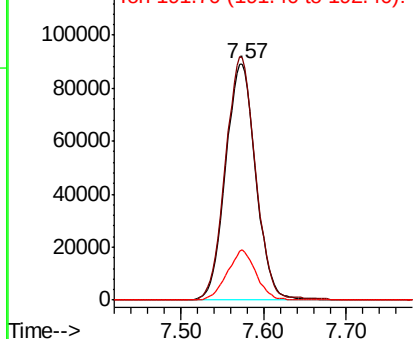


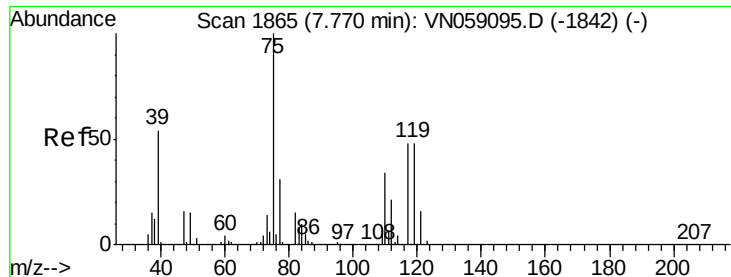
#35
 Dibromofluoromethane
 Concen: 52.429 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VN059234.D
 Acq: 14 Nov 2019 15:22

Tgt Ion:113 Resp: 225624
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.8 124.2
 192 20.1 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

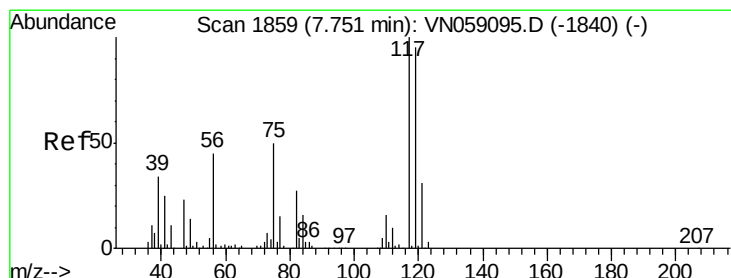
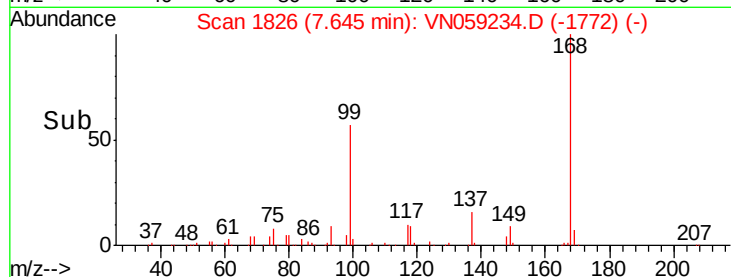
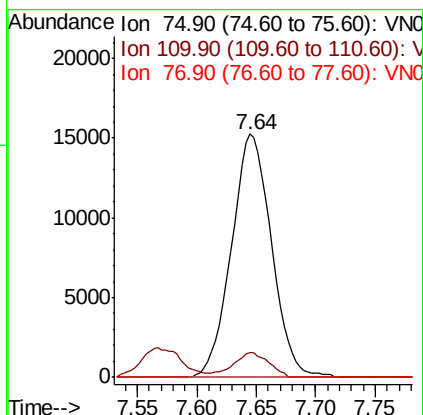
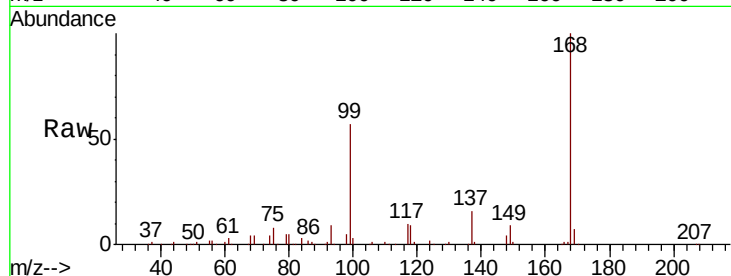




#36
 1,1-Dichloropropene
 Concen: 5.268 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059234.D
 Acq: 14 Nov 2019 15:22

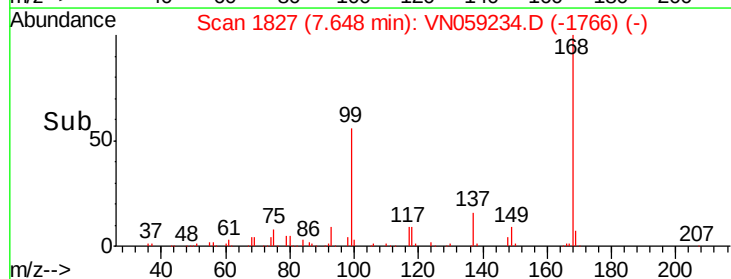
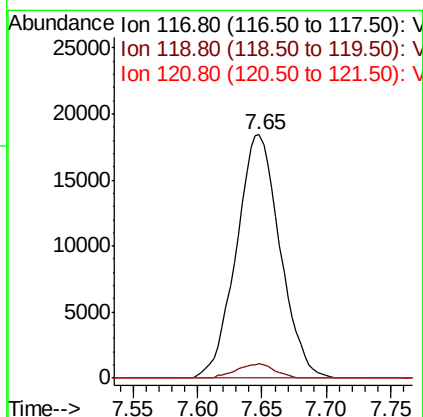
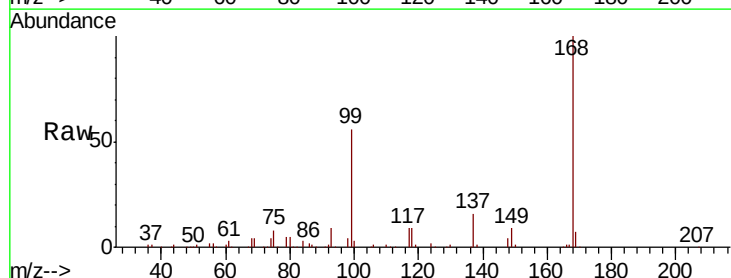
Instrument :
 MSVOA_N
 ClientSampleId :

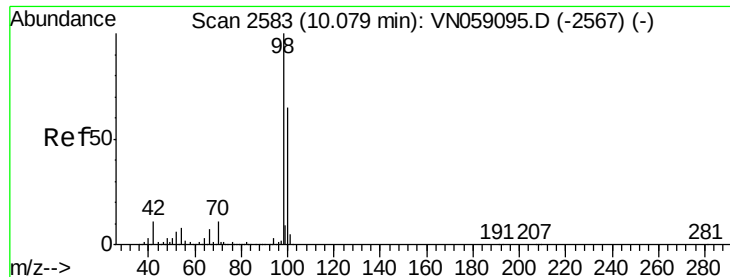
Tot Ion	75	Resp	35487
Ion Ratio	100	Lower	Upper
75	100		
110	9.1	17.1	51.2#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.470 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.10 min
 Lab File: VN059234.D
 Acq: 14 Nov 2019 15:22

Tgt Ion	117	Resp	43380
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.8	75.6	113.4#
121	0.0	24.6	36.8#

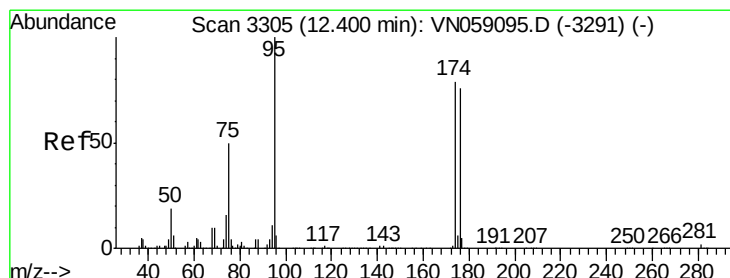
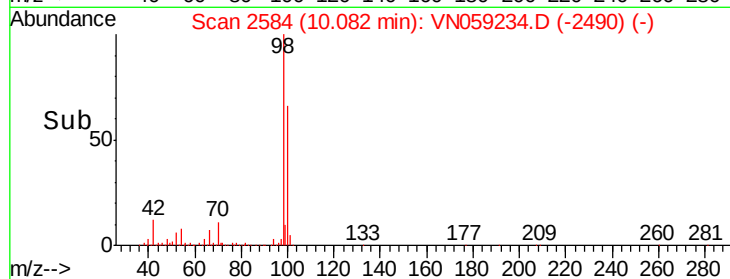
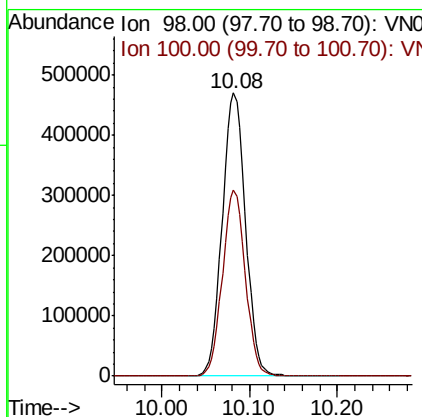
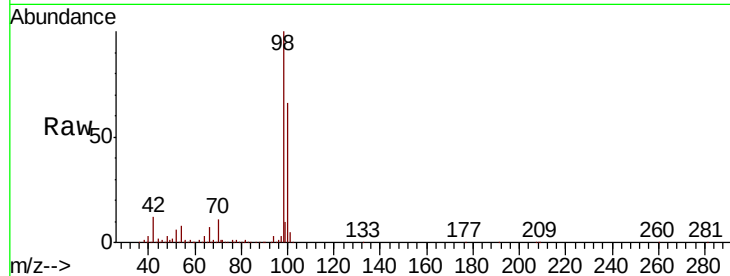




#50
Toluene-d8
Concen: 51.417 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059234.D
Acq: 14 Nov 2019 15:22

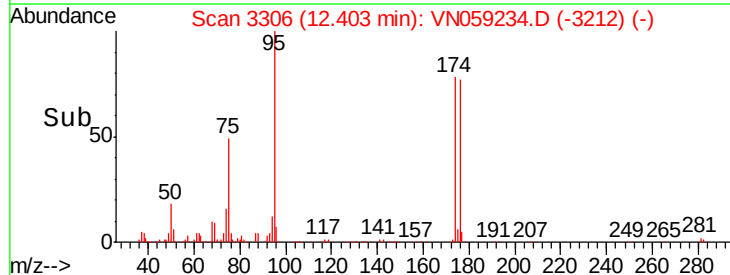
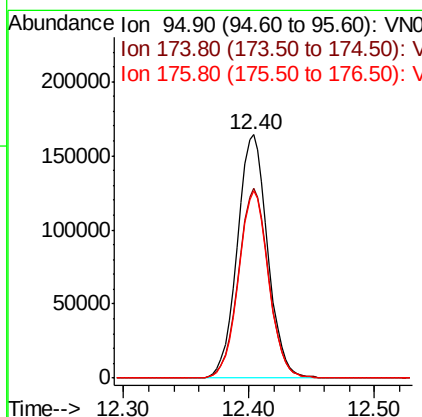
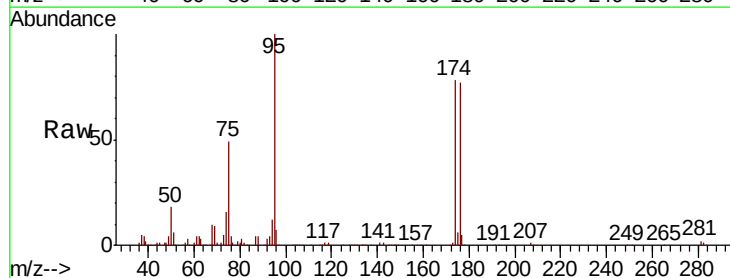
Instrument :
MSVOA_N
ClientSampleId :

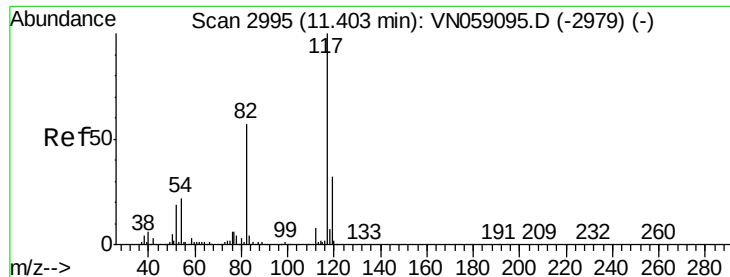
Tot Ion: 98 Resp: 871550
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 45.167 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN059234.D
Acq: 14 Nov 2019 15:22

Tgt Ion: 95 Resp: 276054
Ion Ratio Lower Upper
95 100
174 77.9 0.0 158.2
176 76.1 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059234.D

Acq: 14 Nov 2019 15:22

Instrument :

MSVOA_N

ClientSampled :

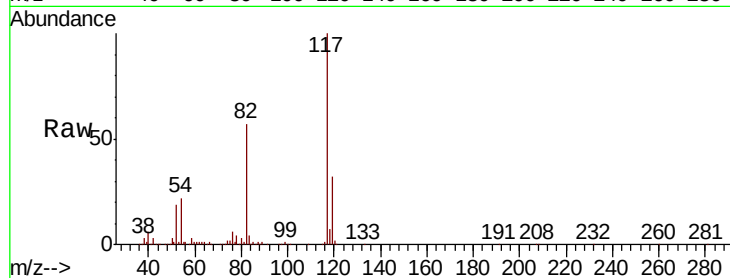
Tot Ion:117 Resp: 621442

Ion Ratio Lower Upper

117 100

82 57.4 45.8 68.8

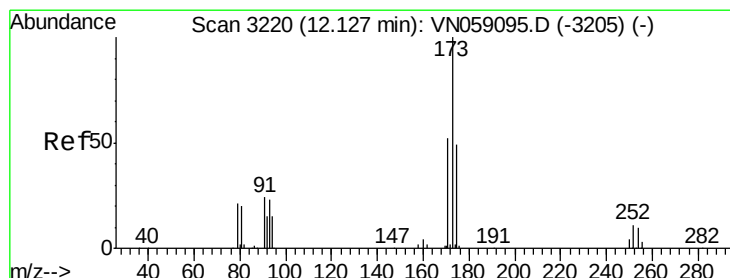
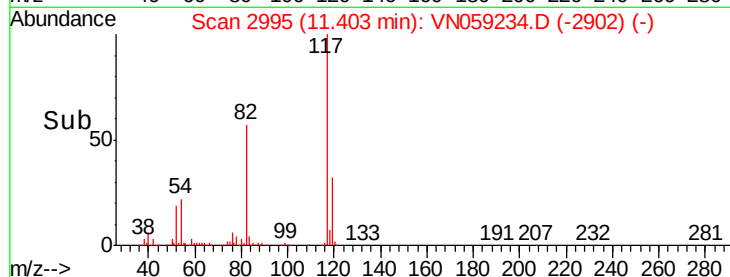
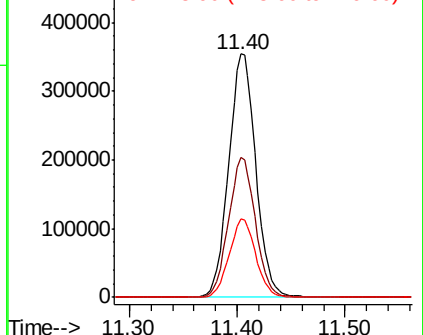
119 32.0 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.475 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN059234.D

Acq: 14 Nov 2019 15:22

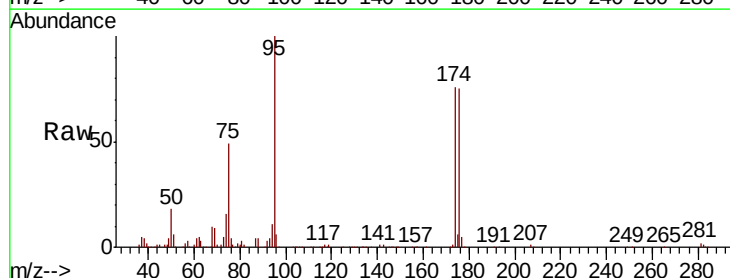
Tgt Ion:173 Resp: 1680

Ion Ratio Lower Upper

173 100

175 772.6 24.2 72.6#

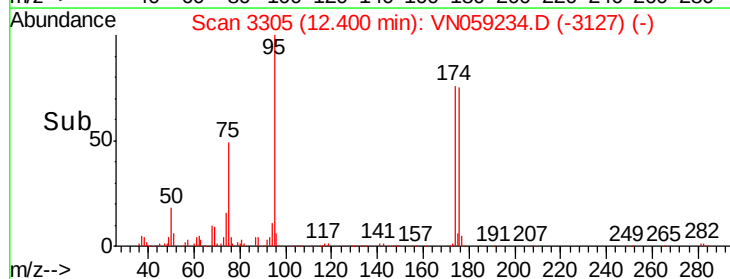
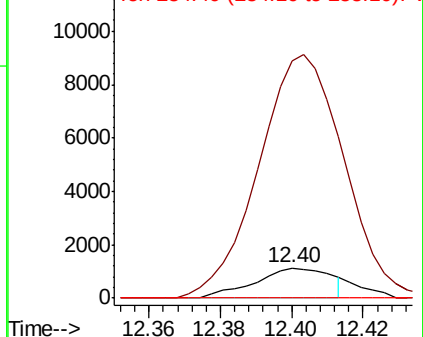
254 0.0 0.1 0.1#

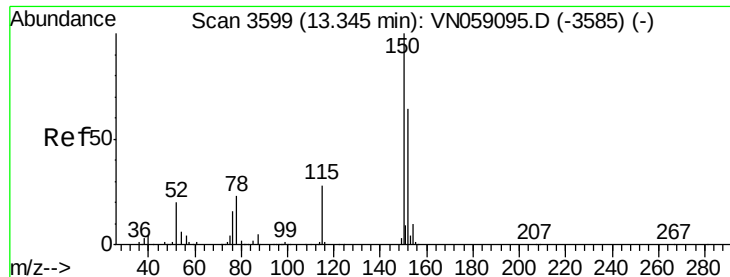


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



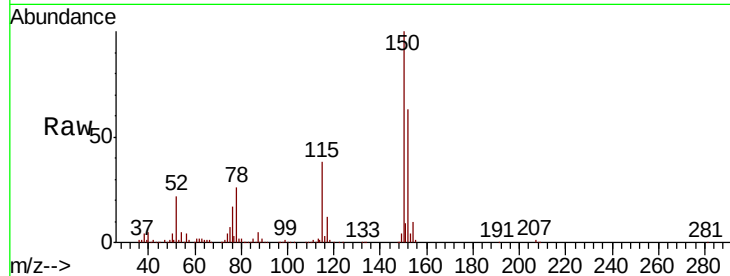


#72

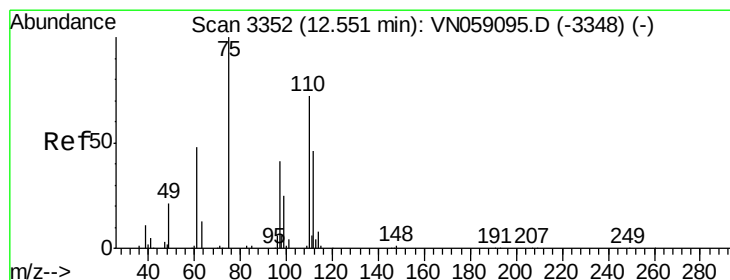
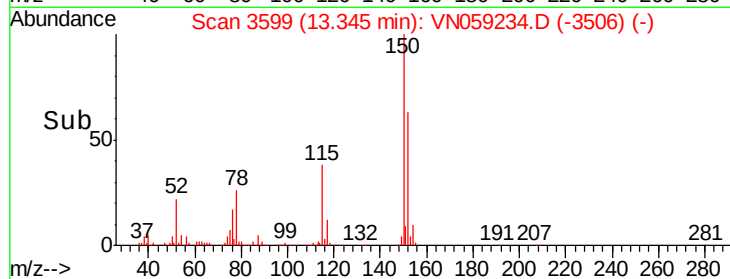
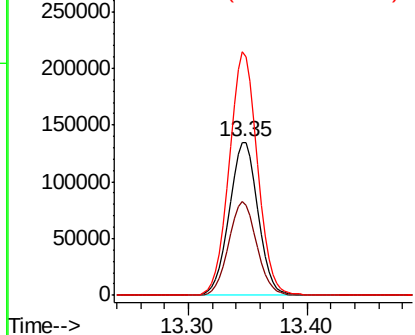
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN059234.D
Acq: 14 Nov 2019 15:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.1	29.4	88.2
150	155.6	0.0	345.8



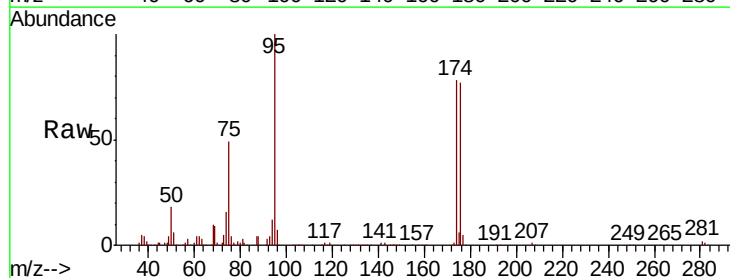
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



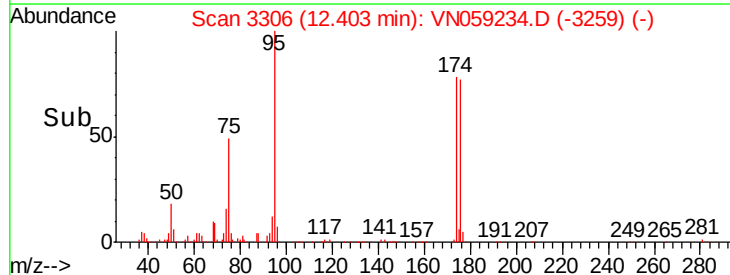
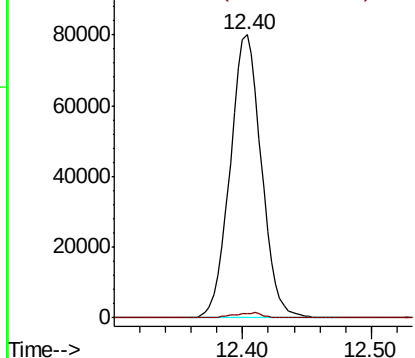
#76

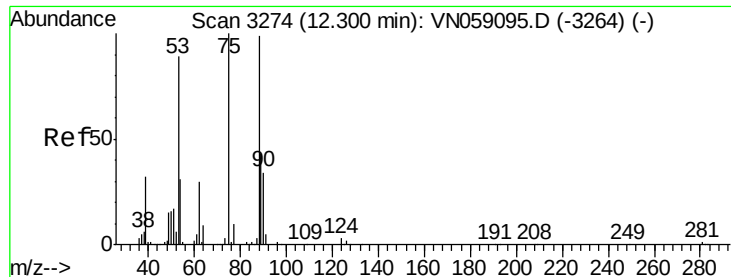
1,2,3-Trichloropropane
Concen: 26.154 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN059234.D
Acq: 14 Nov 2019 15:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.8	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: 69.081 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059234.D

Acq: 14 Nov 2019 15:22

Instrument :

MSVOA_N

ClientSampled :

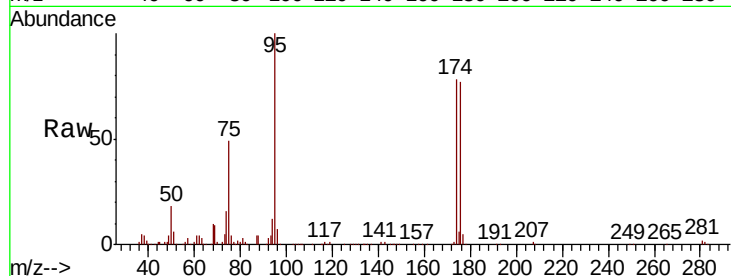
Tot Ion: 75 Resp: 134611

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

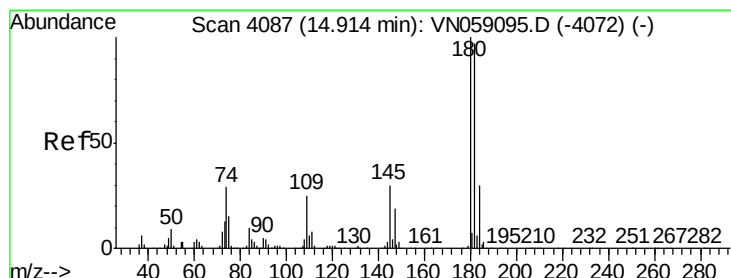
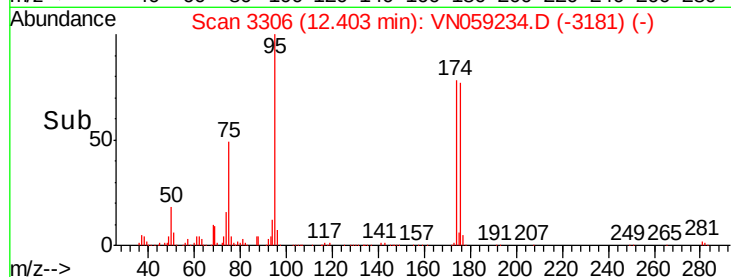
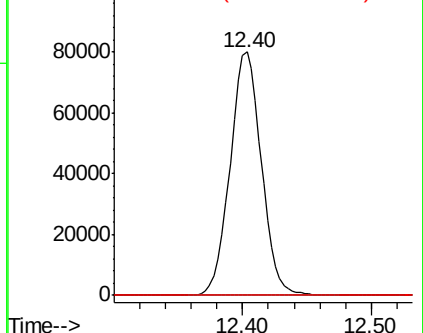
89 0.0 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VN059095.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN059095.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN059095.D (-3264) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.092 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.01 min

Lab File: VN059234.D

Acq: 14 Nov 2019 15:22

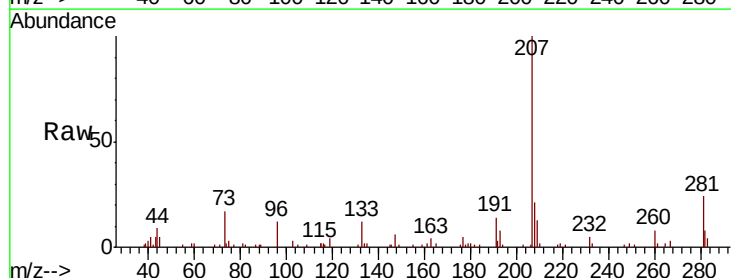
Tgt Ion: 180 Resp: 204

Ion Ratio Lower Upper

180 100

182 97.1 48.1 144.3

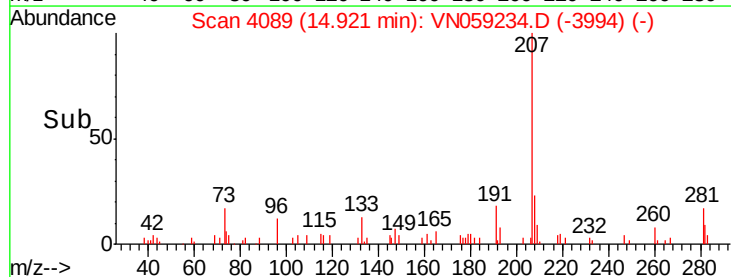
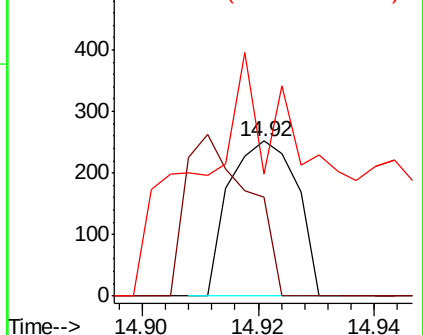
145 260.3 15.1 45.3#

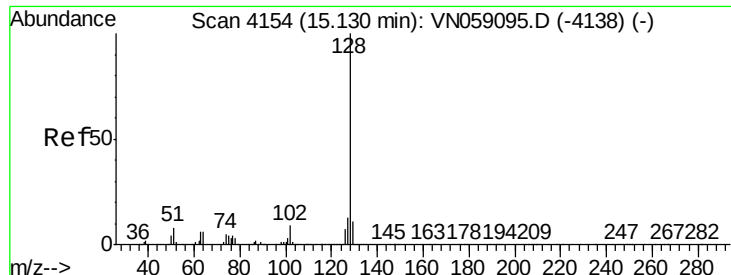


Abundance Ion 179.80 (179.50 to 180.50): VN059095.D (-4072) (-)

Ion 181.80 (181.50 to 182.50): VN059095.D (-4072) (-)

Ion 144.80 (144.50 to 145.50): VN059095.D (-4072) (-)





#95

Naphthalene

Concen: 3.195 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN059234.D

Acq: 14 Nov 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 1874

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 7.9 8.6 12.8#

