

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111319\
 Data File : VN059207.D
 Acq On : 13 Nov 2019 9:44
 Operator : JC/SP
 Sample : VN1113WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBL01

Quant Time: Nov 22 04:01:06 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	7.64	168	409975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	643402	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	554565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	203260	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	266461	52.87	ug/l	0.00
Spiked Amount			Recovery	=	105.74%	
35) Dibromofluoromethane	7.57	113	204067	53.12	ug/l	0.00
Spiked Amount			Recovery	=	106.24%	
50) Toluene-d8	10.08	98	783019	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
62) 4-Bromofluorobenzene	12.40	95	244137	44.75	ug/l	0.00
Spiked Amount			Recovery	=	89.50%	

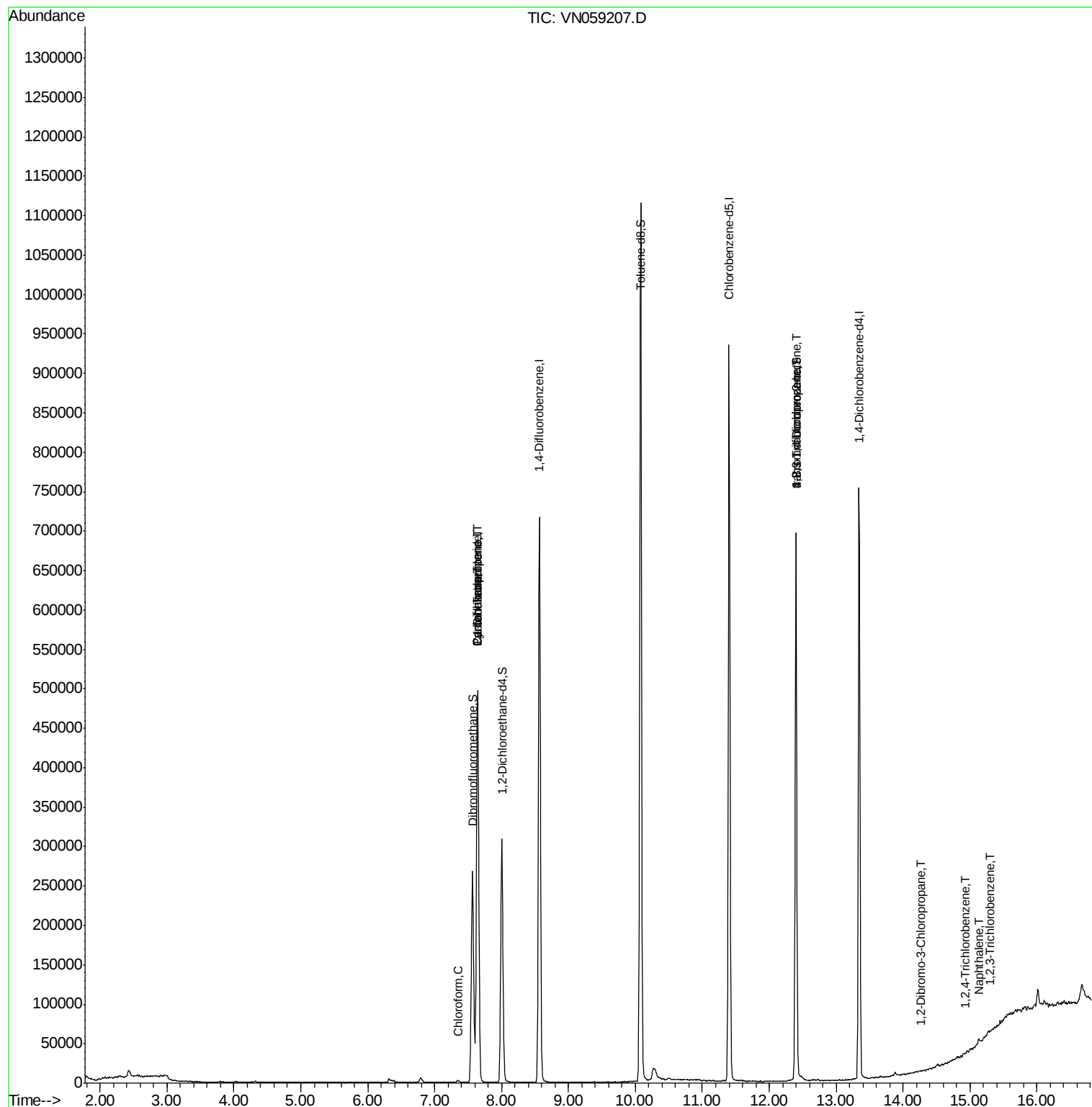
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
30) Chloroform	7.35	83	3085	0.388	ug/l	96
31) Cyclohexane	7.64	56	8319	1.060	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	31972	5.316	ug/l #	50
38) Carbon Tetrachloride	7.64	117	38918	6.502	ug/l #	17
76) 1,2,3-Trichloropropane	12.40	75	124009	26.798	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	124009	70.781	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	243	0.268	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	769	3.237	ug/l	63
95) Naphthalene	15.13	128	2850	3.299	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.30	180	1157	0.330	ug/l	72

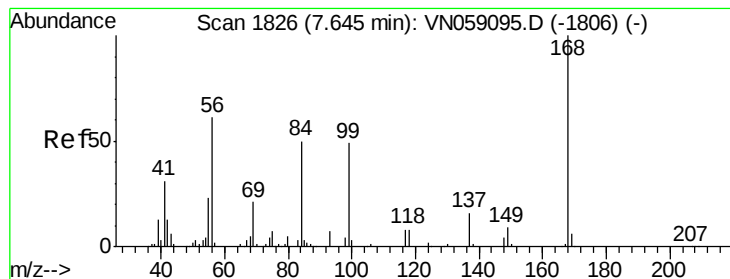
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111319\
Data File : VN059207.D
Acq On : 13 Nov 2019 9:44
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Misc : 5.00mL/MSVOA N/WATER
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ClientSampleId :
VN1113WBL01

Quant Time: Nov 22 04:01:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059207.D

Acq: 13 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

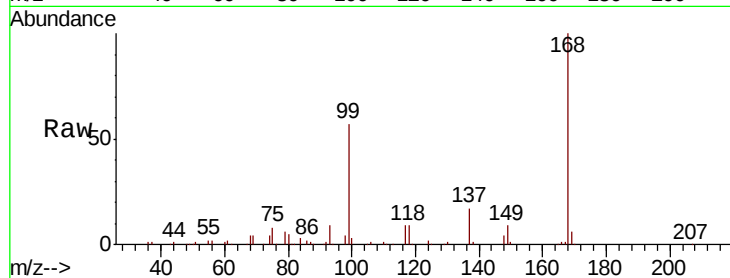
VN1113WBL01

Tot Ion:168 Resp: 409975

Ion Ratio Lower Upper

168 100

99 56.7 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

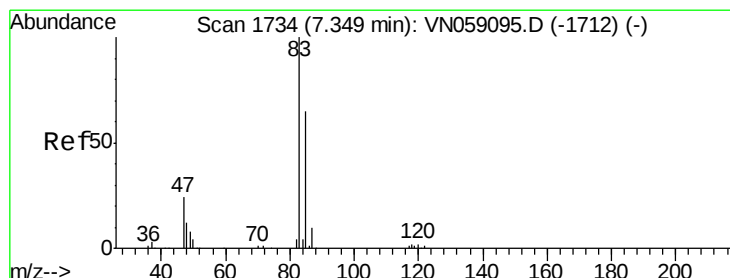
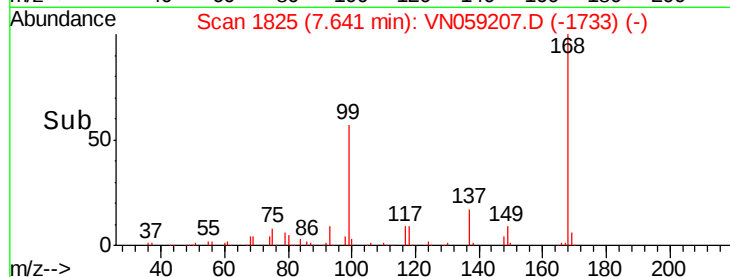
150000

100000

50000

0

Time-->



#30

Chloroform

Concen: 0.388 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. 0.00 min

Lab File: VN059207.D

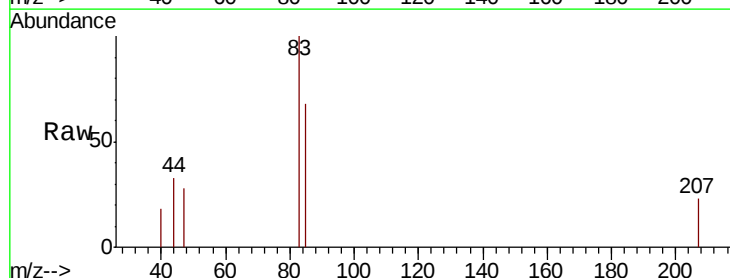
Acq: 13 Nov 2019 9:44

Tgt Ion: 83 Resp: 3085

Ion Ratio Lower Upper

83 100

85 67.9 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN

Ion 84.90 (84.60 to 85.60): VN

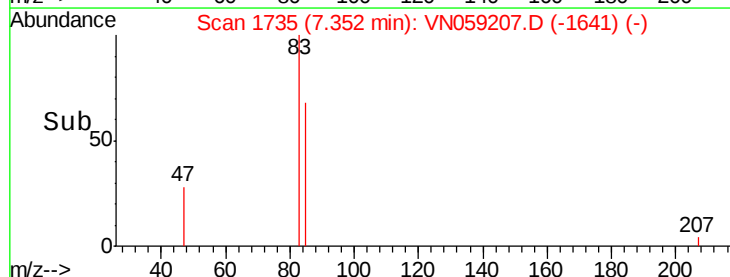
7.35

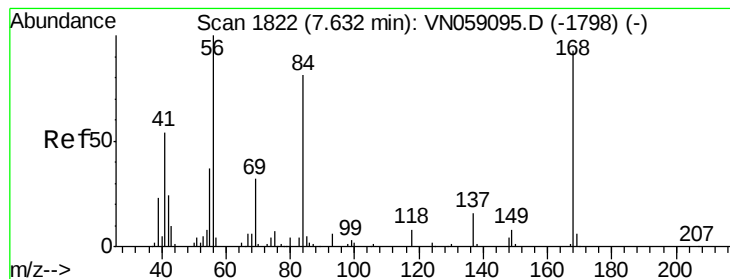
1000

500

0

Time-->





#31

Cyclohexane

Concen: 1.060 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN059207.D

Acq: 13 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBL01

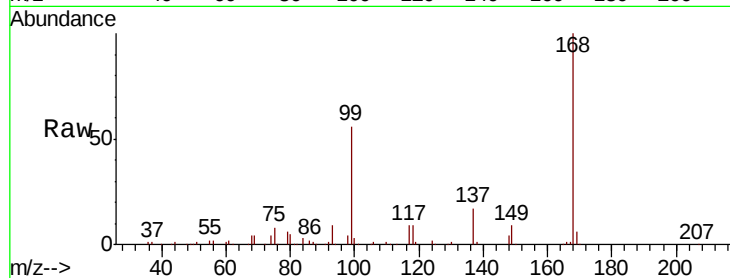
Tot Ion: 56 Resp: 8319

Ion Ratio Lower Upper

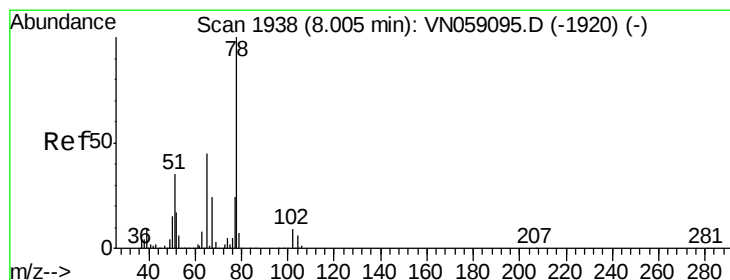
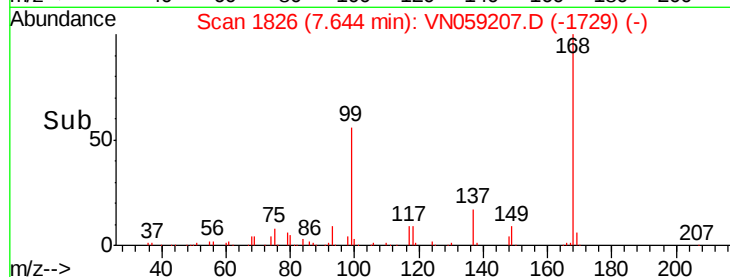
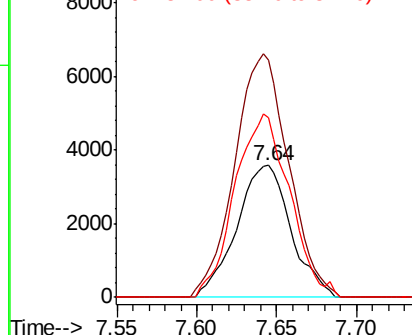
56 100

69 180.2 25.8 38.8#

84 136.3 65.0 97.4#



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: 52.873 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059207.D

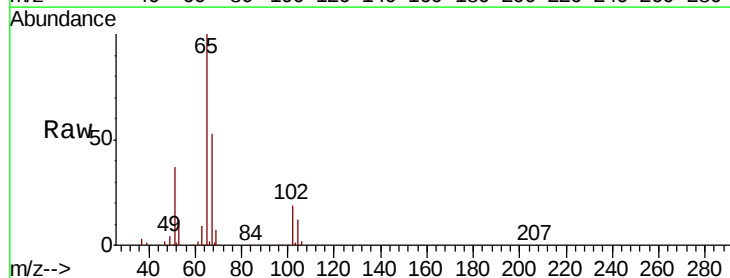
Acq: 13 Nov 2019 9:44

Tgt Ion: 65 Resp: 266461

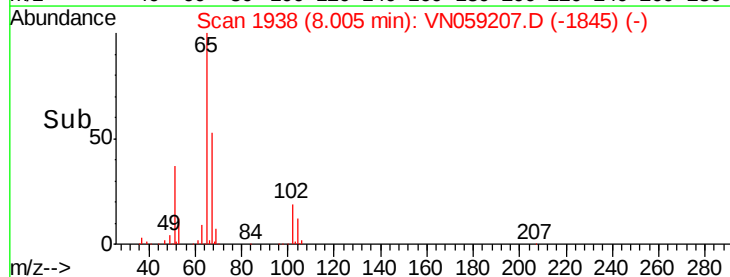
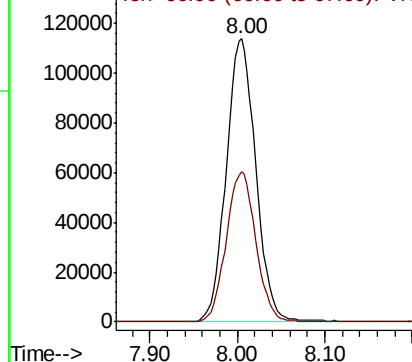
Ion Ratio Lower Upper

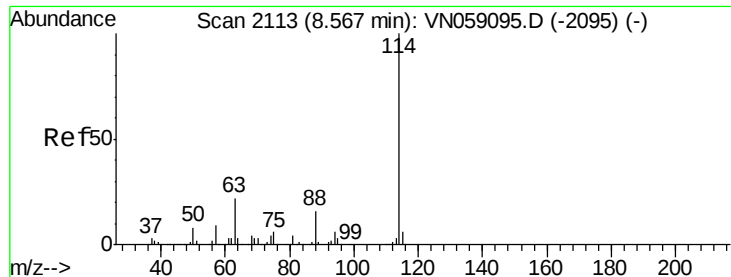
65 100

67 53.3 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN059207.D

Acq: 13 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBL01

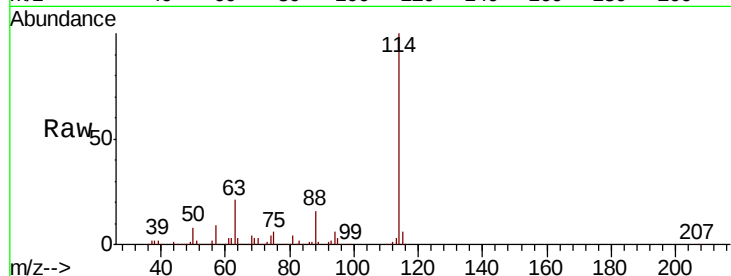
Tot Ion:114 Resp: 643402

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.4

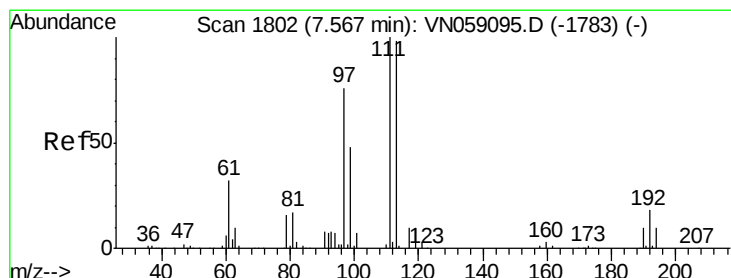
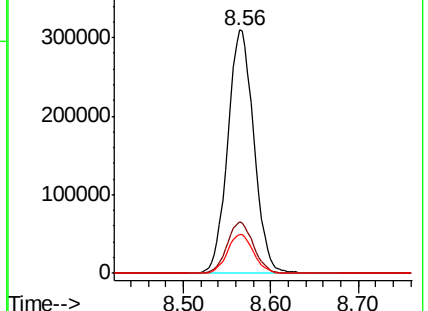
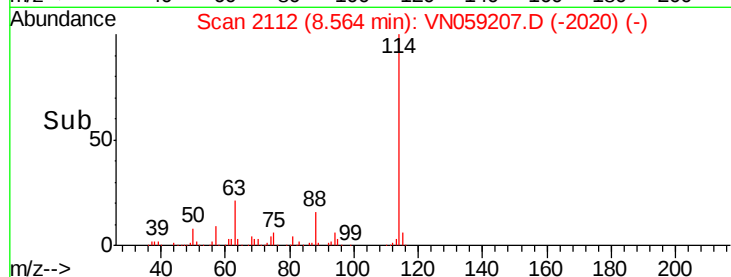
88 15.9 0.0 32.2



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: 53.118 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059207.D

Acq: 13 Nov 2019 9:44

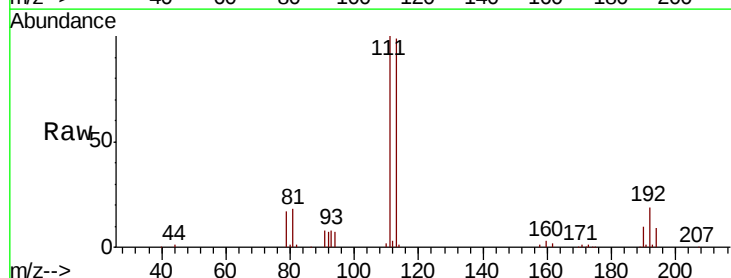
Tgt Ion:113 Resp: 204067

Ion Ratio Lower Upper

113 100

111 103.2 82.8 124.2

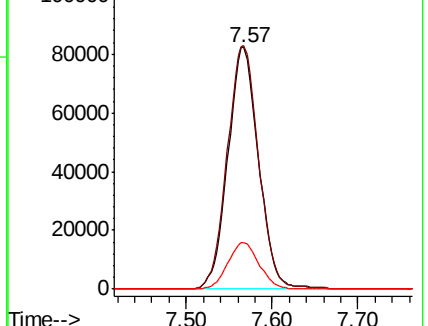
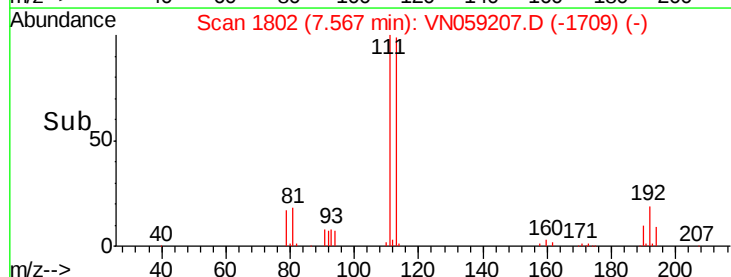
192 19.7 16.1 24.1

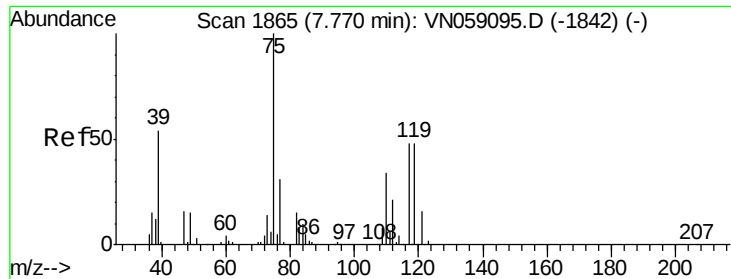


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.316 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.13 min

Lab File: VN059207.D

Acq: 13 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampled :

VN1113WBL01

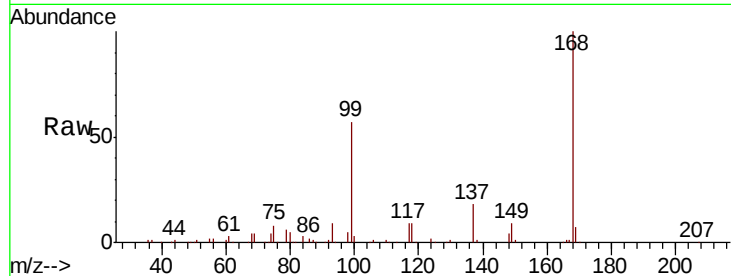
Tot Ion: 75 Resp: 31972

Ion Ratio Lower Upper

75 100

110 8.6 17.1 51.2#

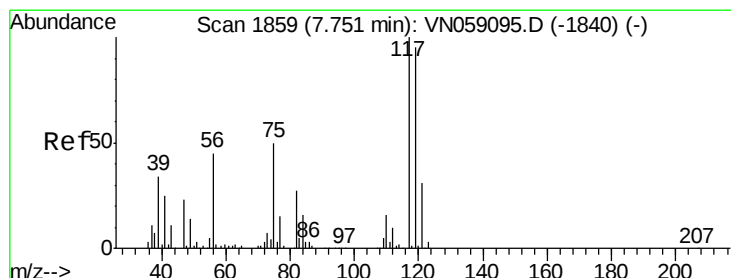
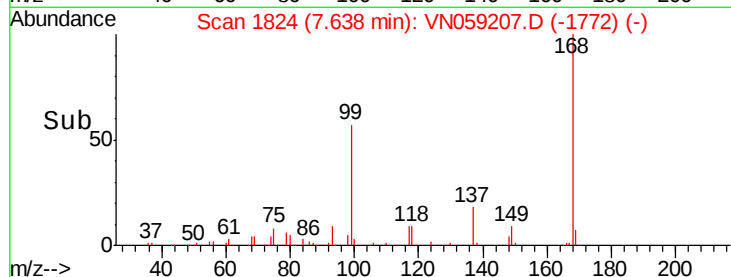
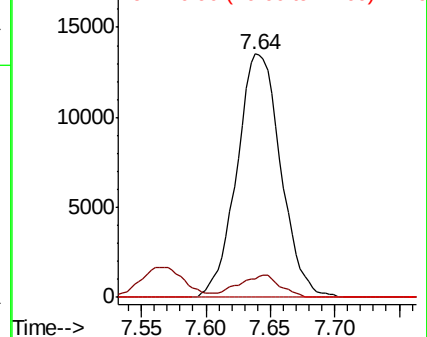
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VN059207.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN059207.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN059207.D (-1772) (-)



#38

Carbon Tetrachloride

Concen: 6.502 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059207.D

Acq: 13 Nov 2019 9:44

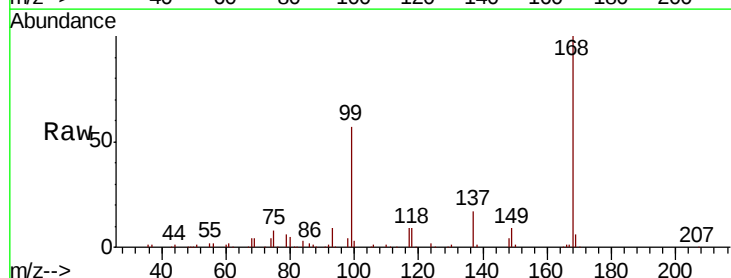
Tgt Ion: 117 Resp: 38918

Ion Ratio Lower Upper

117 100

119 5.2 75.6 113.4#

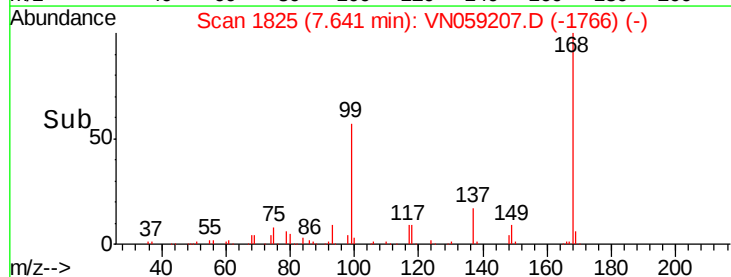
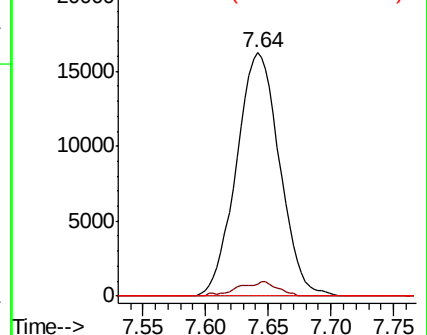
121 0.0 24.6 36.8#

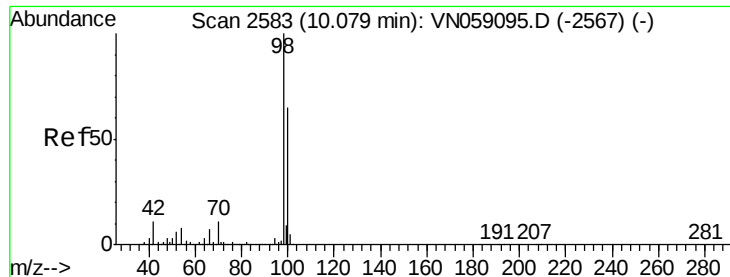


Abundance Ion 116.80 (116.50 to 117.50): VN059207.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN059207.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN059207.D (-1766) (-)





#50

Toluene-d8

Concen: 51.745 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059207.D

Acq: 13 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

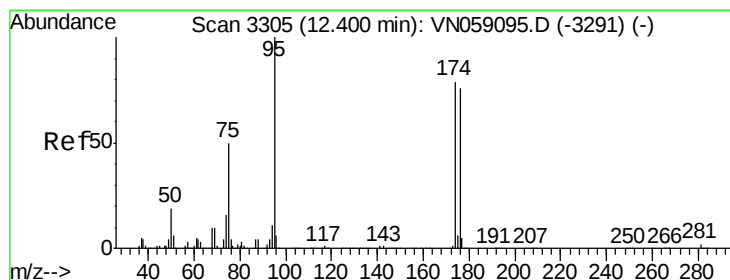
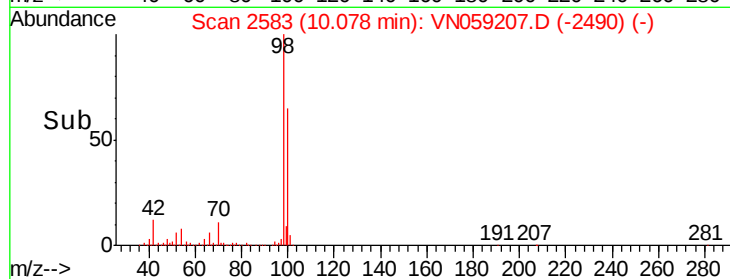
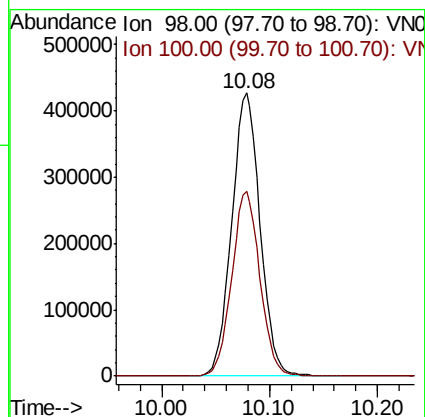
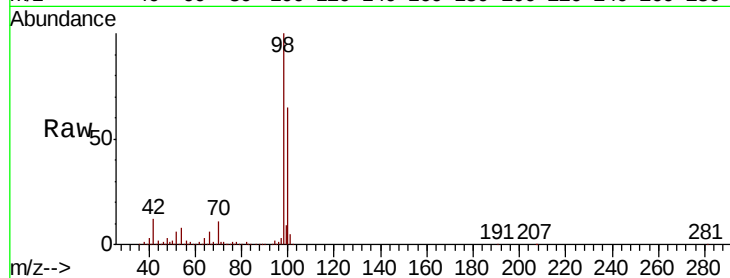
VN1113WBL01

Tot Ion: 98 Resp: 783019

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 44.746 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059207.D

Acq: 13 Nov 2019 9:44

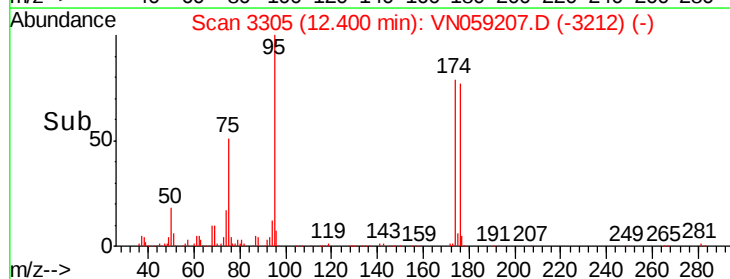
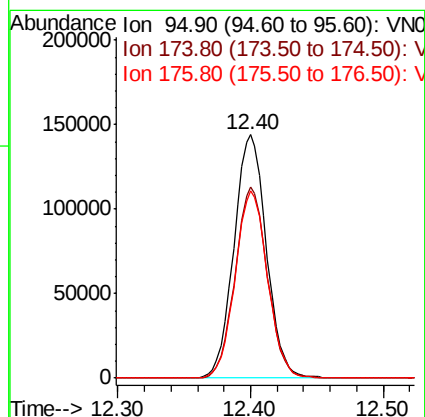
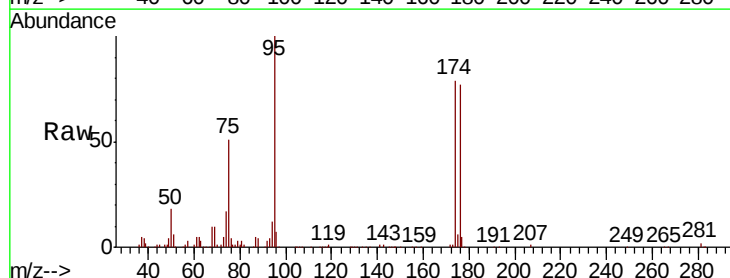
Tgt Ion: 95 Resp: 244137

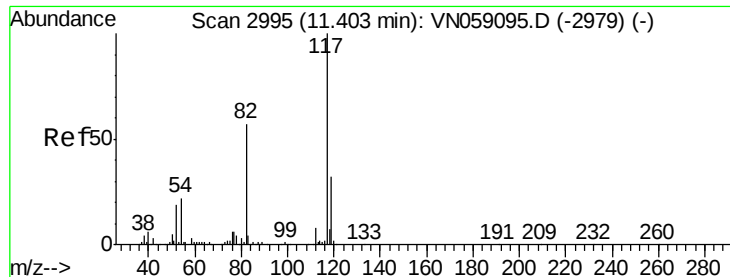
Ion Ratio Lower Upper

95 100

174 78.3 0.0 158.2

176 76.8 0.0 151.8

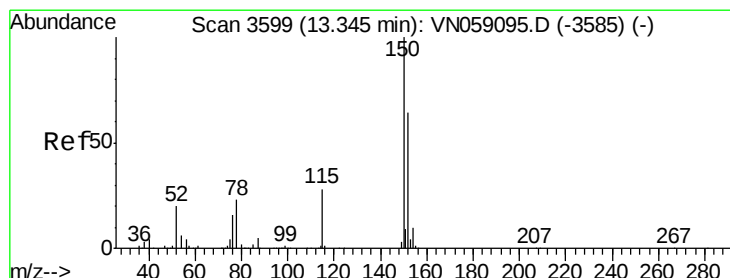
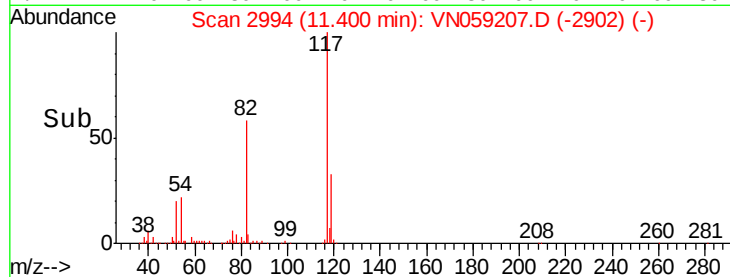
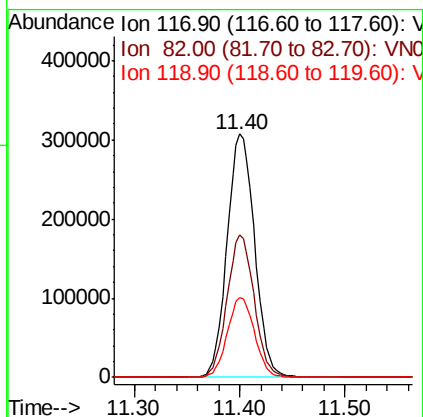
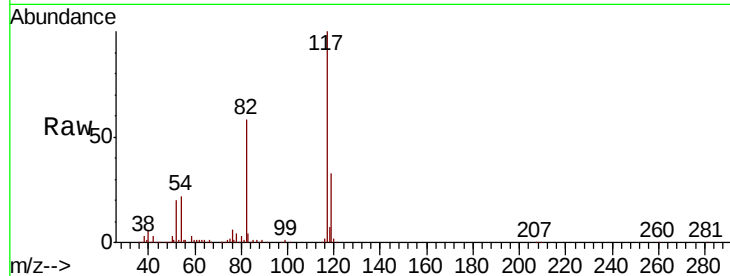




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059207.D
Acq: 13 Nov 2019 9:44

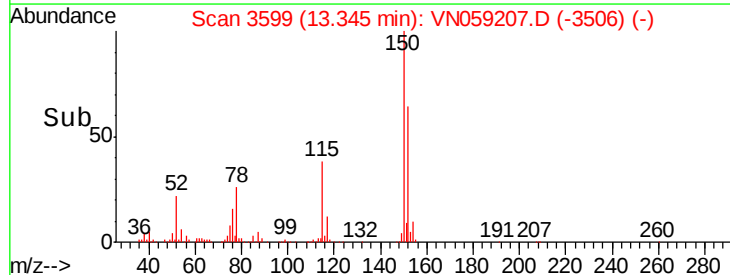
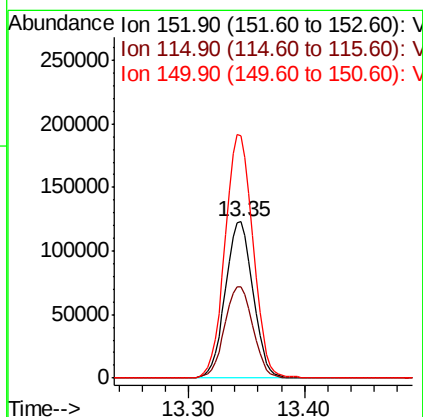
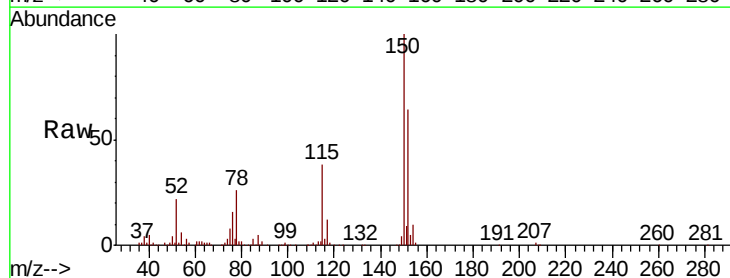
Instrument :
MSVOA_N
ClientSampleId :
VN1113WBL01

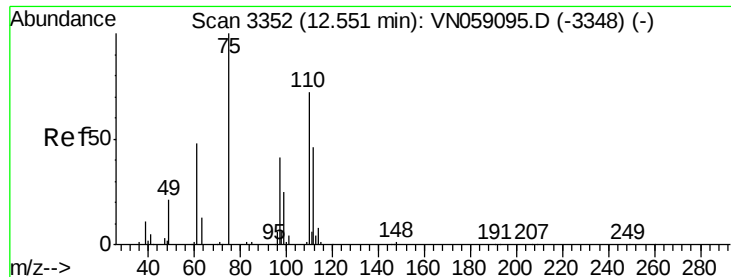
Tot Ion:117 Resp: 554565
Ion Ratio Lower Upper
117 100
82 58.3 45.8 68.8
119 32.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059207.D
Acq: 13 Nov 2019 9:44

Tgt Ion:152 Resp: 203260
Ion Ratio Lower Upper
152 100
115 59.9 29.4 88.2
150 156.9 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 26.798 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059207.D

Acq: 13 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

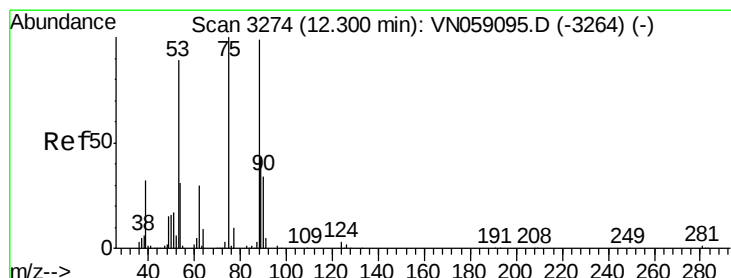
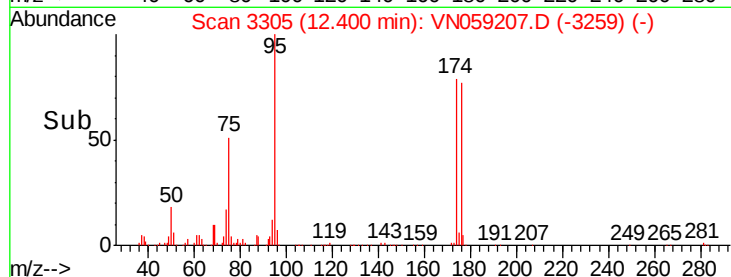
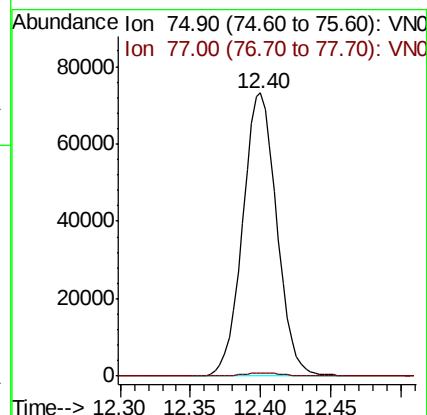
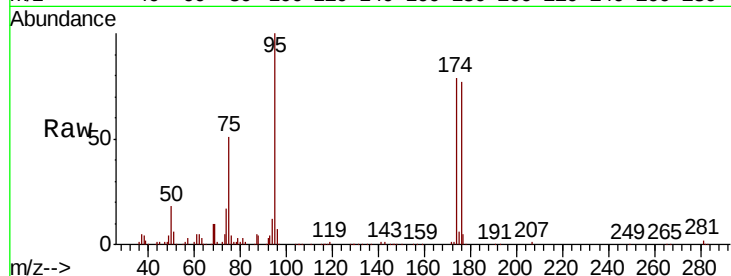
VN1113WBL01

Tot Ion: 75 Resp: 124009

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.781 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059207.D

Acq: 13 Nov 2019 9:44

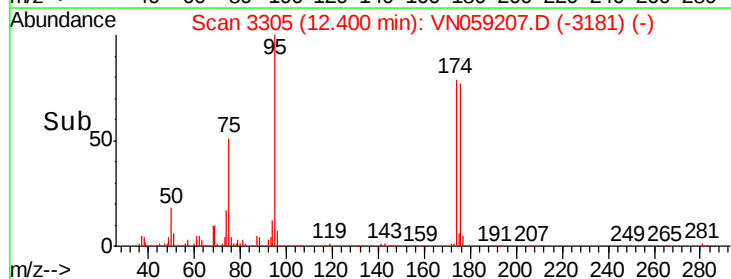
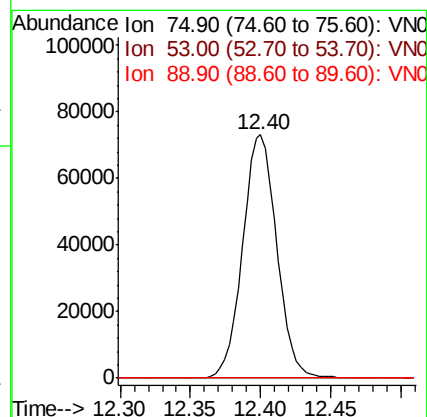
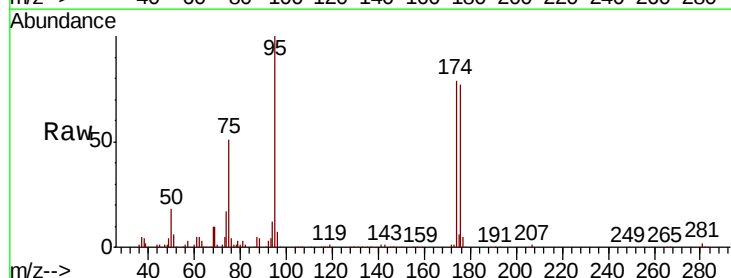
Tgt Ion: 75 Resp: 124009

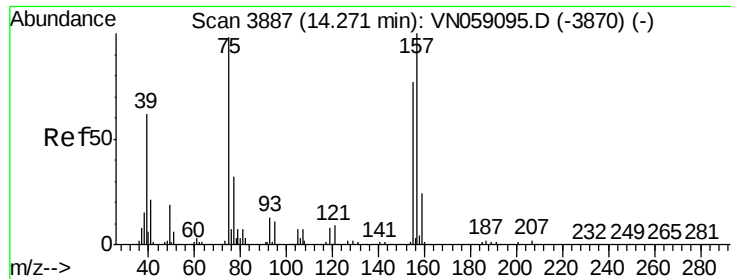
Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

89 0.0 35.8 53.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.268 ug/l

RT: 14.26 min Scan# 3883

Delta R.T. -0.01 min

Lab File: VN059207.D

Acq: 13 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBL01

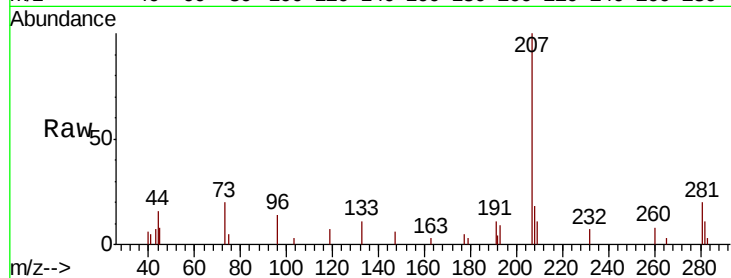
Tot Ion: 75 Resp: 243

Ion Ratio Lower Upper

75 100

155 0.0 40.2 120.6#

157 0.0 51.8 155.5#

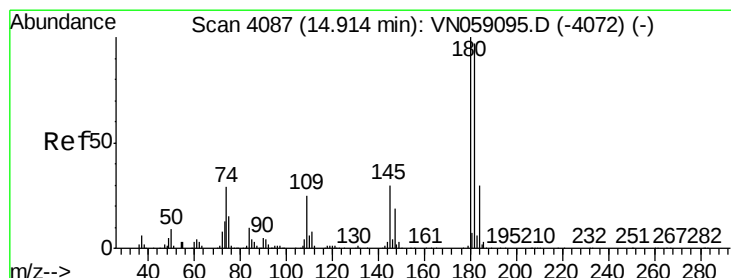
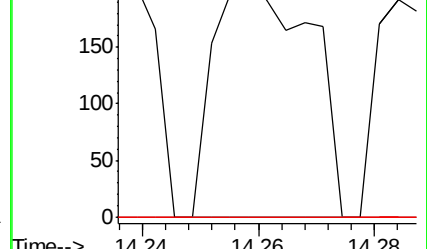
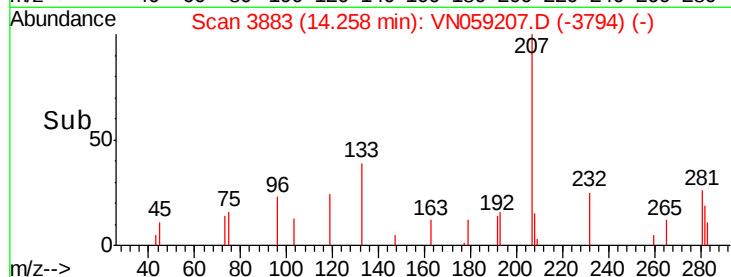


Abundance Ion 74.90 (74.60 to 75.60): VN059207.D (-3794) (-)

Ion 154.80 (154.50 to 155.50): VN059207.D (-3794) (-)

Ion 156.80 (156.50 to 157.50): VN059207.D (-3794) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.237 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN059207.D

Acq: 13 Nov 2019 9:44

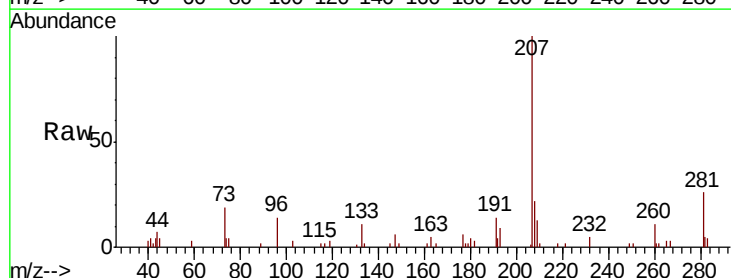
Tgt Ion: 180 Resp: 769

Ion Ratio Lower Upper

180 100

182 52.3 48.1 144.3

145 23.0 15.1 45.3

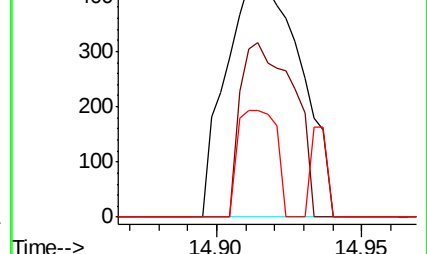
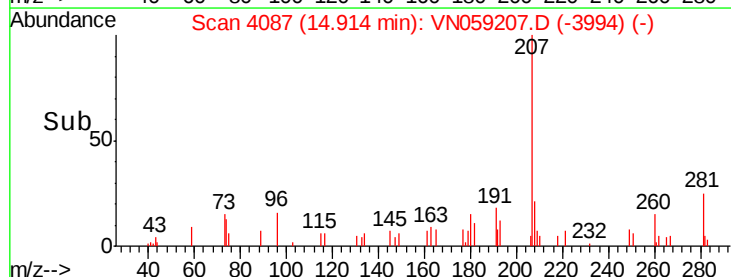


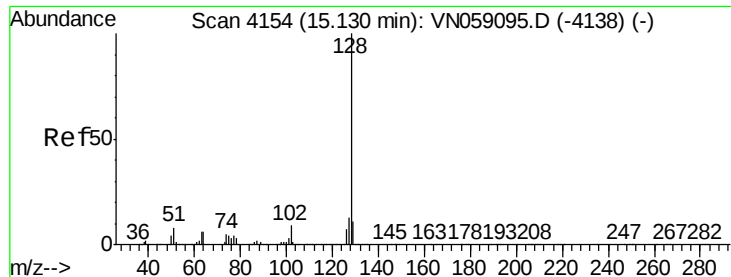
Abundance Ion 179.80 (179.50 to 180.50): VN059207.D (-3994) (-)

Ion 181.80 (181.50 to 182.50): VN059207.D (-3994) (-)

Ion 144.80 (144.50 to 145.50): VN059207.D (-3994) (-)

Time-->





#95

Naphthalene

Concen: 3.299 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059207.D

Acq: 13 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBL01

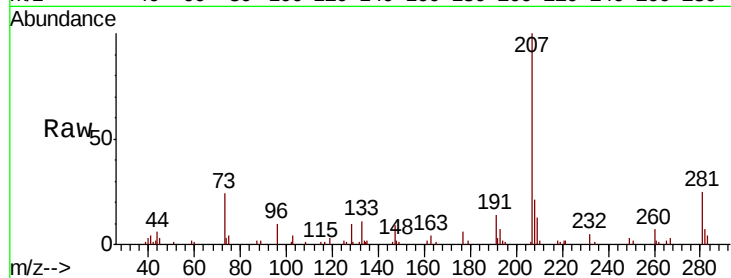
Tot Ion:128 Resp: 2850

Ion Ratio Lower Upper

128 100

127 2.1 10.2 15.2#

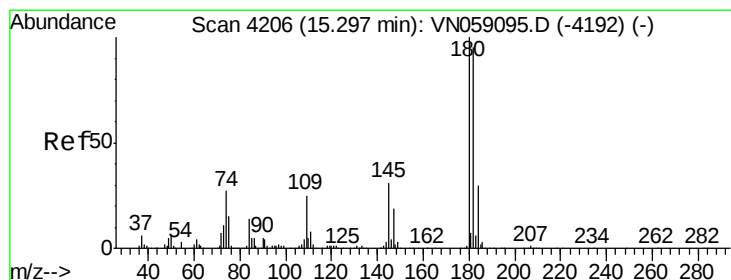
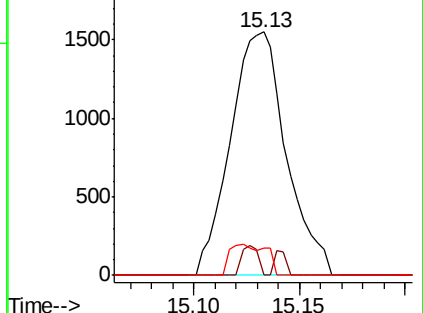
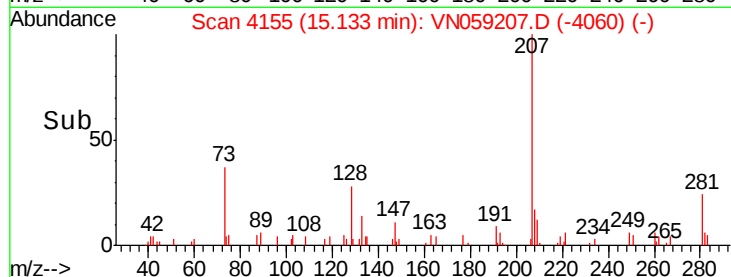
129 0.0 8.6 12.8#



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: 0.330 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059207.D

Acq: 13 Nov 2019 9:44

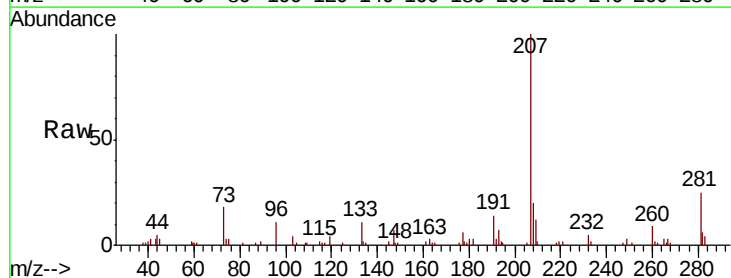
Tgt Ion:180 Resp: 1157

Ion Ratio Lower Upper

180 100

182 60.9 47.3 141.8

145 36.3 15.8 47.3



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

