

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110619\
 Data File : VN059100.D
 Acq On : 6 Nov 2019 12:29
 Operator : JC/SP
 Sample : VN1106WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBL01

Quant Time: Nov 07 04:04:23 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	463590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	723498	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	627504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	225638	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	288930	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
35) Dibromofluoromethane	7.57	113	225447	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
50) Toluene-d8	10.08	98	874356	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
62) 4-Bromofluorobenzene	12.40	95	279443	45.55	ug/l	0.00
Spiked Amount			Recovery	=	91.10%	

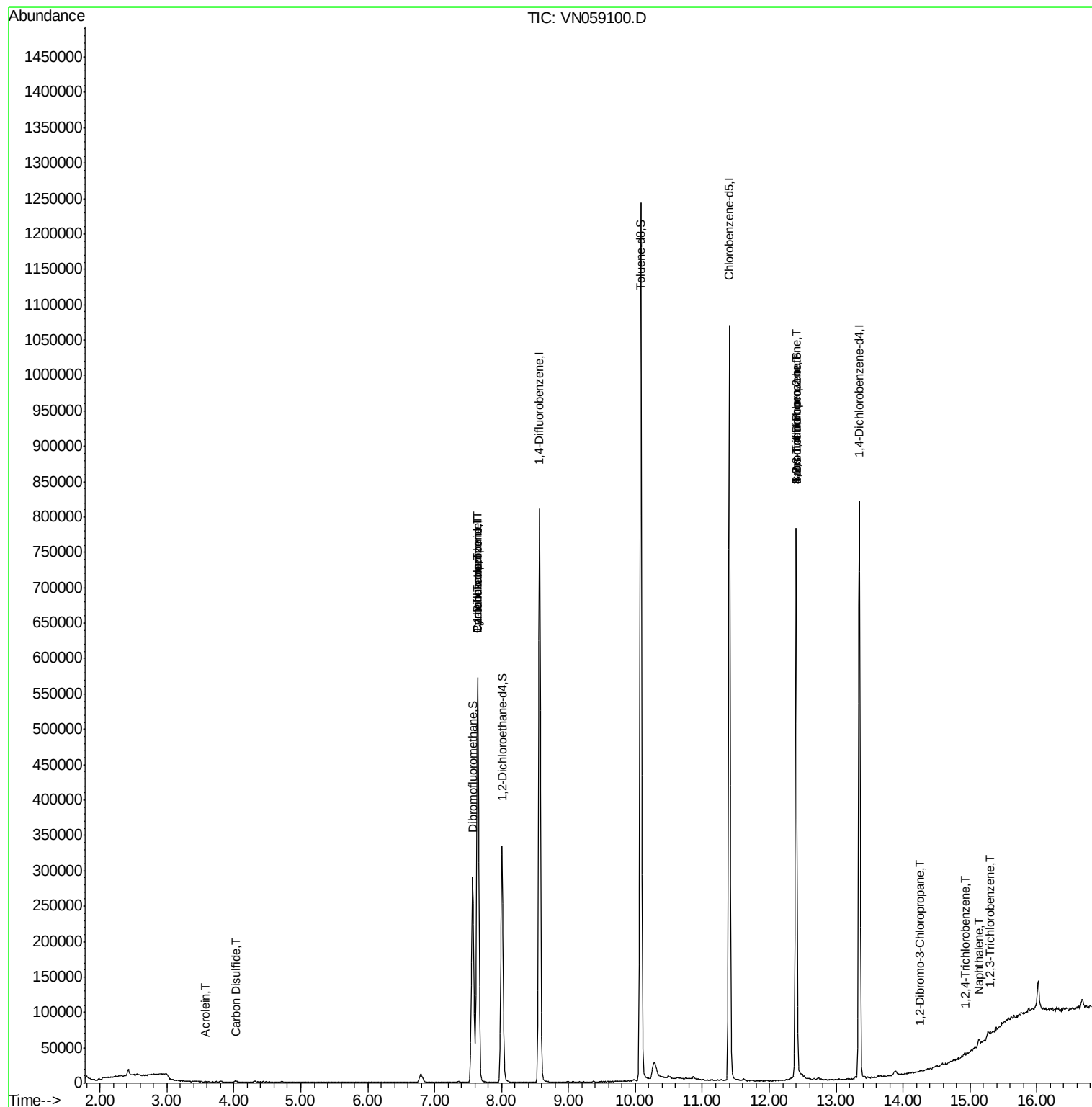
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.58	56	241	0.430	ug/l #	66
17) Carbon Disulfide	4.03	76	3664	0.273	ug/l #	87
31) Cyclohexane	7.64	56	9018	1.016	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	35785	5.292	ug/l #	50
38) Carbon Tetrachloride	7.64	117	45671	6.785	ug/l #	17
71) Bromoform	12.40	173	1636	0.458	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	137275	26.723	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	137275	70.582	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.25	75	289	0.285	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	1254	3.326	ug/l	93
95) Naphthalene	15.13	128	4537	3.409	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.30	180	1541	0.396	ug/l	76

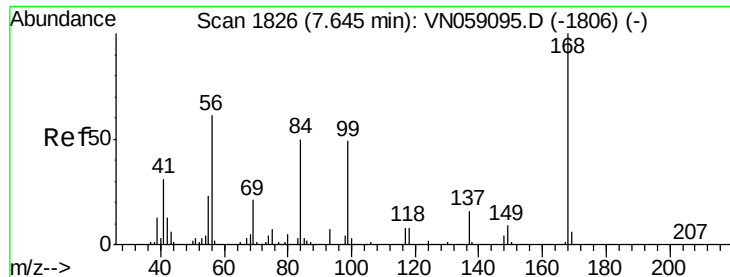
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 07 04:04:23 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# 1826

Delta R.T. -0.00 min

Lab File: VN059100.D

Acq: 6 Nov 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

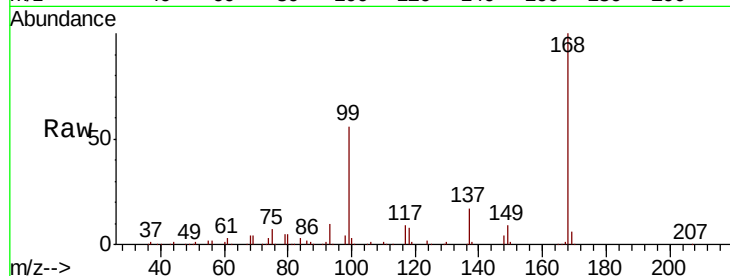
VN1106WBL01

Tot Ion:168 Resp: 463590

Ion Ratio Lower Upper

168 100

99 56.2 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059100.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN059100.D (-1733) (-)

7.64

200000

150000

100000

50000

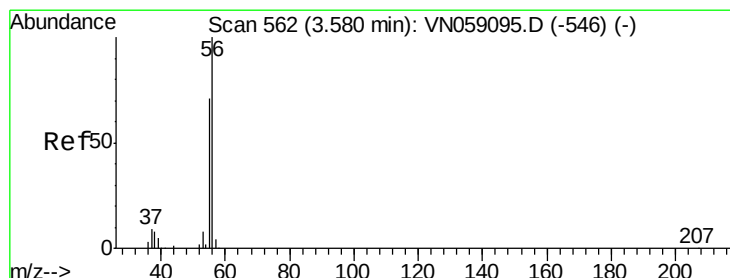
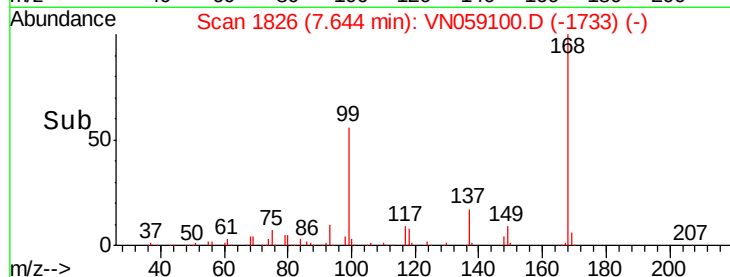
0

7.50

7.60

7.70

Time-->



#13

Acrolein

Concen: 0.430 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059100.D

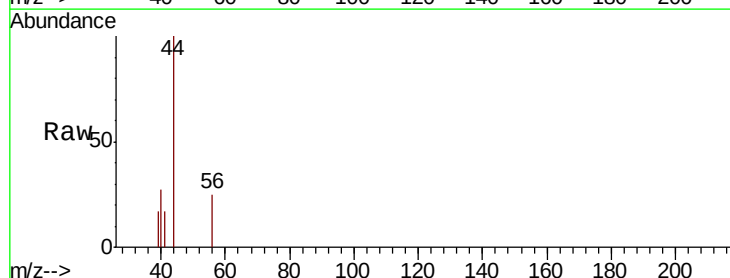
Acq: 6 Nov 2019 12:29

Tgt Ion: 56 Resp: 241

Ion Ratio Lower Upper

56 100

55 42.7 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VN059100.D (-469) (-)

Ion 55.00 (54.70 to 55.70): VN059100.D (-469) (-)

3.58

300

250

200

150

100

50

0

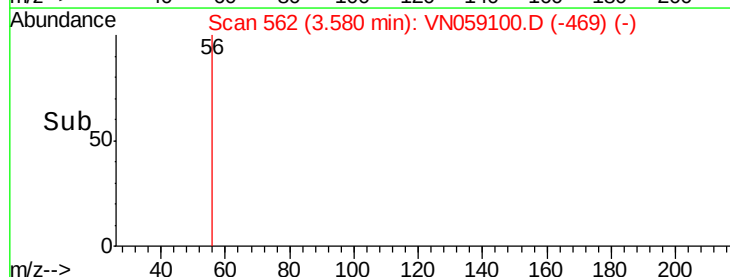
3.56

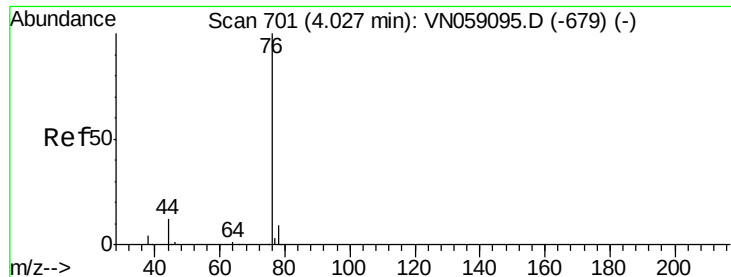
3.57

3.58

3.59

Time-->





#17

Carbon Disulfide

Concen: 0.273 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059100.D

Acq: 6 Nov 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

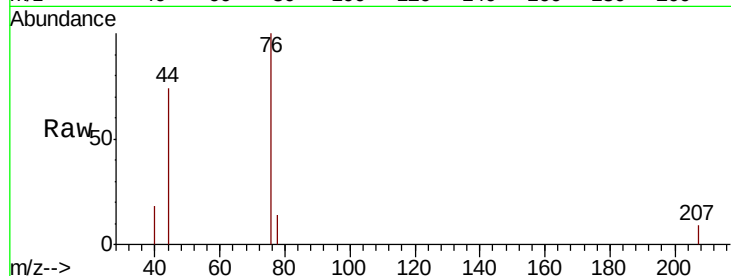
VN1106WBL01

Tot Ion: 76 Resp: 3664

Ion Ratio Lower Upper

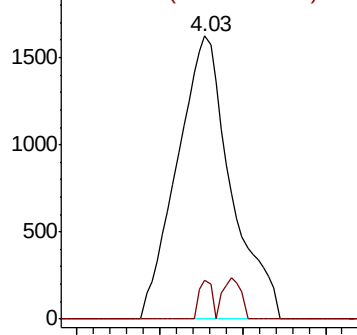
76 100

78 13.8 7.4 11.0#

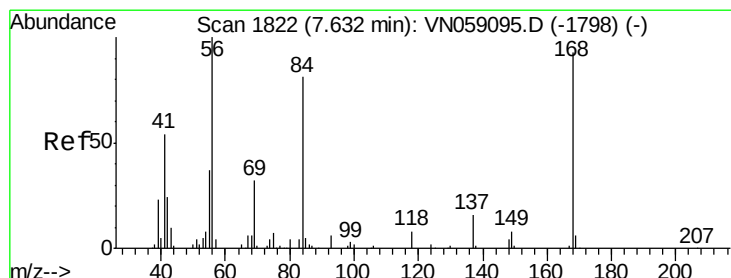
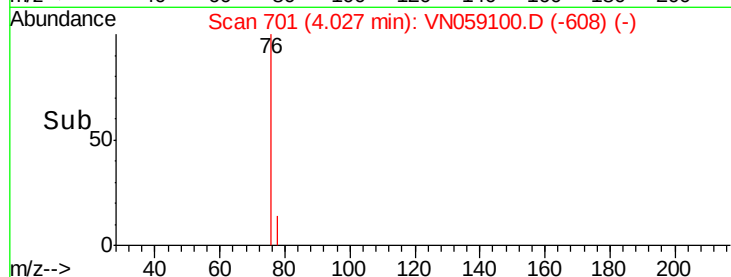


Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



Time--> 3.95 4.00 4.05 4.10



#31

Cyclohexane

Concen: 1.016 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN059100.D

Acq: 6 Nov 2019 12:29

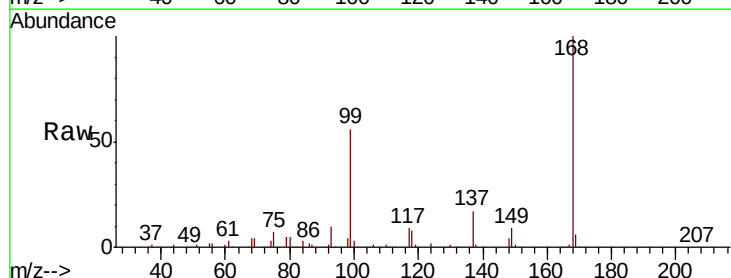
Tgt Ion: 56 Resp: 9018

Ion Ratio Lower Upper

56 100

69 193.7 25.8 38.8#

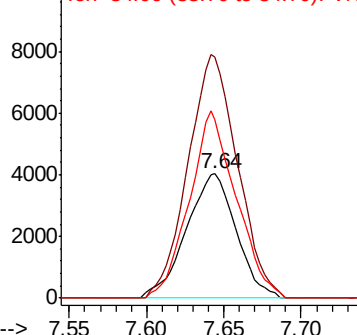
84 143.1 65.0 97.4#



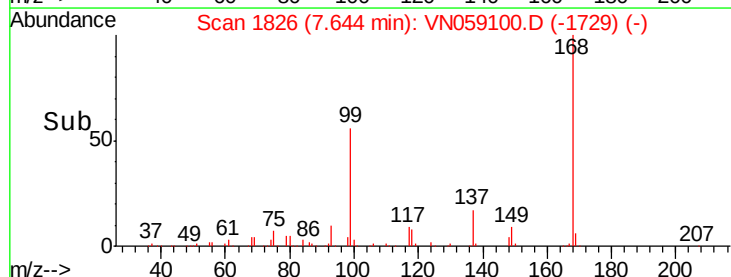
Abundance Ion 56.00 (55.70 to 56.70): VNC

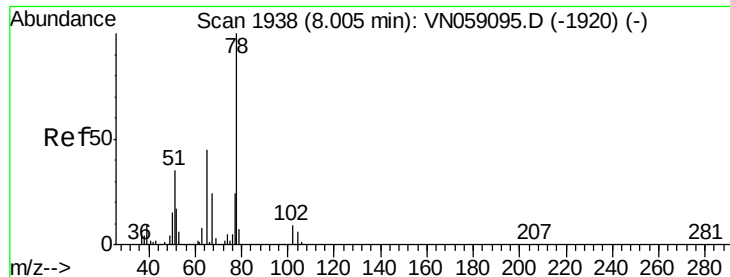
Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



Time--> 7.55 7.60 7.65 7.70

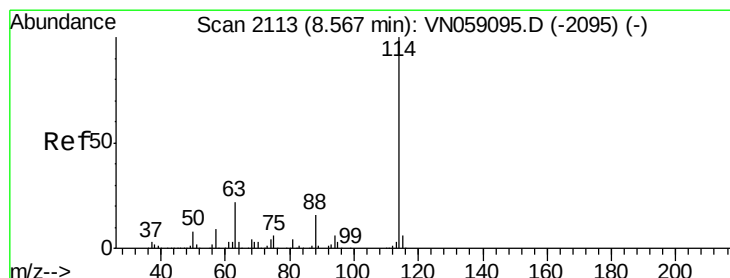
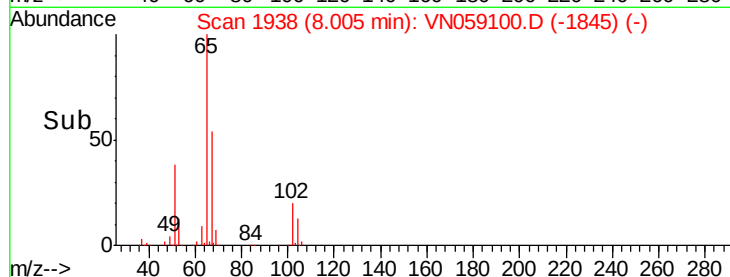
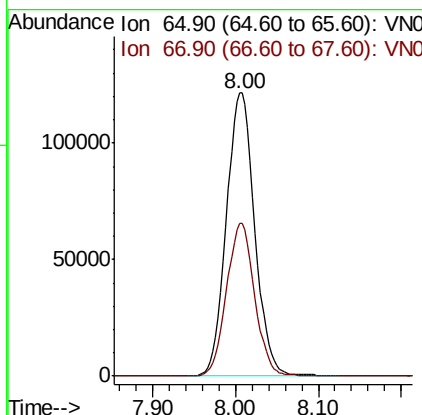
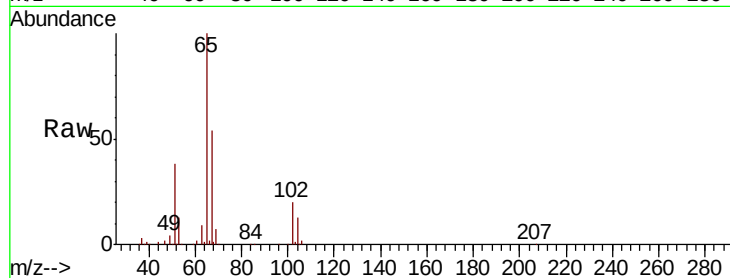




#33
 1,2-Dichloroethane-d4
 Concen: 50.701 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059100.D
 Acq: 6 Nov 2019 12:29

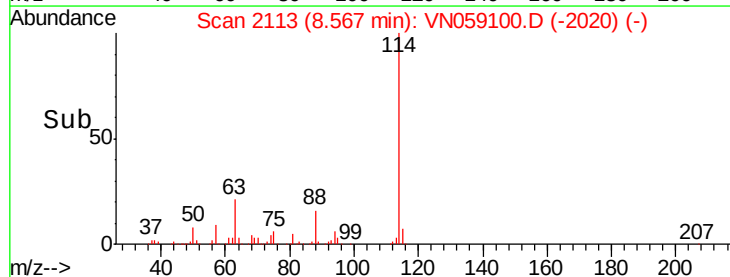
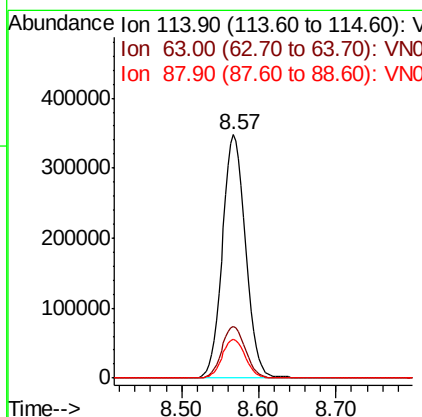
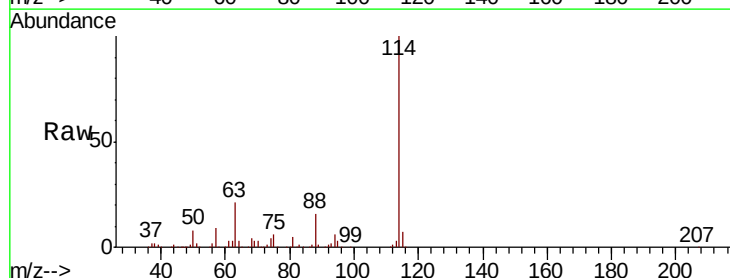
Instrument :
 MSVOA_N
 ClientSampled :
 VN1106WBL01

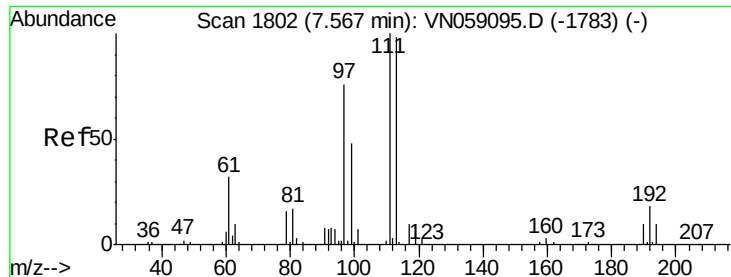
Tot Ion: 65 Resp: 288930
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059100.D
 Acq: 6 Nov 2019 12:29

Tgt Ion: 114 Resp: 723498
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.4
 88 16.0 0.0 32.2

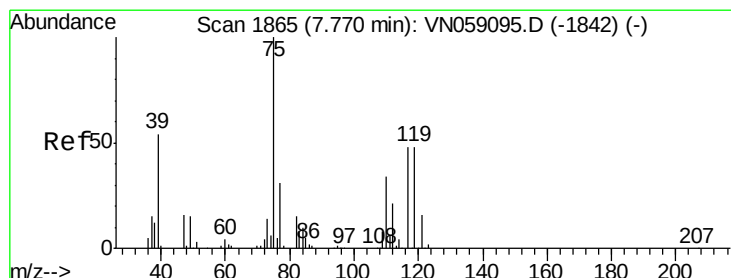
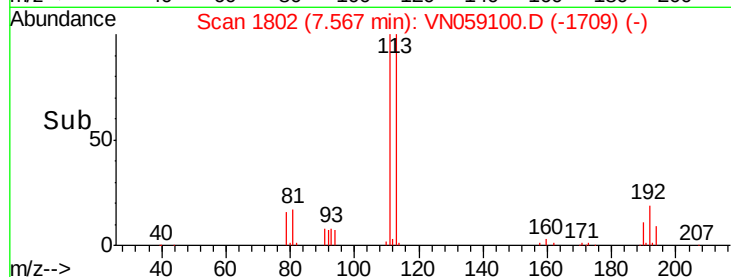
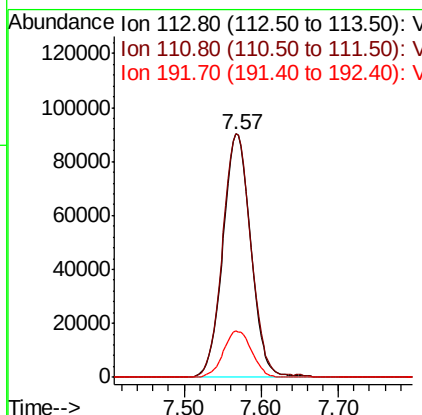
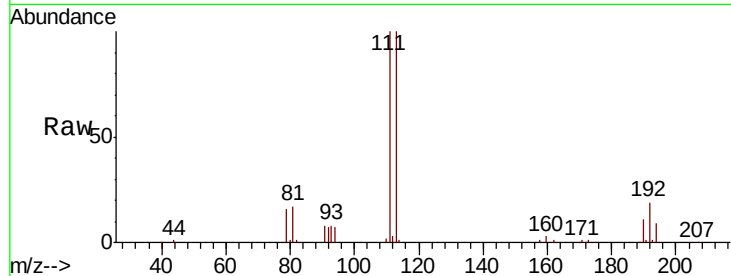




#35
 Dibromofluoromethane
 Concen: 52.187 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059100.D
 Acq: 6 Nov 2019 12:29

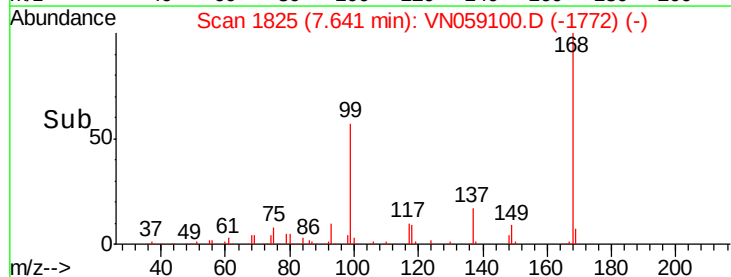
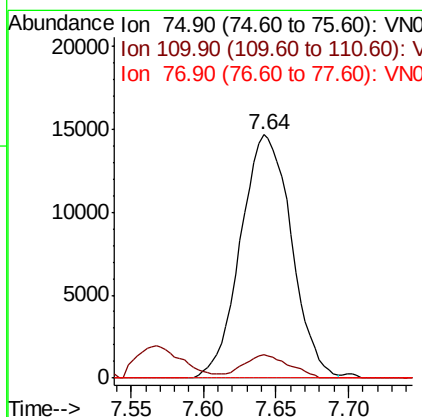
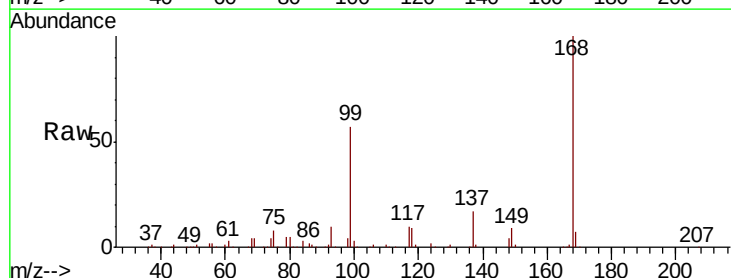
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBL01

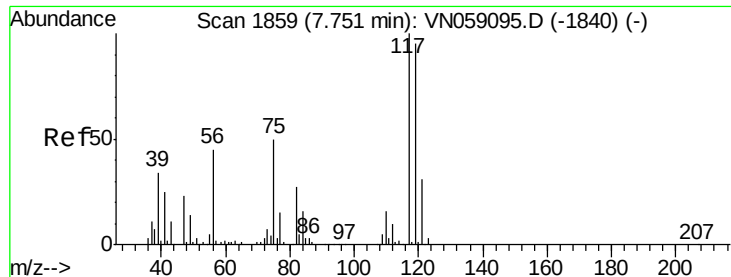
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.8	124.2
192	19.4	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 5.292 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059100.D
 Acq: 6 Nov 2019 12:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.1	51.2#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.785 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059100.D

Acq: 6 Nov 2019 12:29

Instrument :

MSVOA_N

ClientSampled :

VN1106WBL01

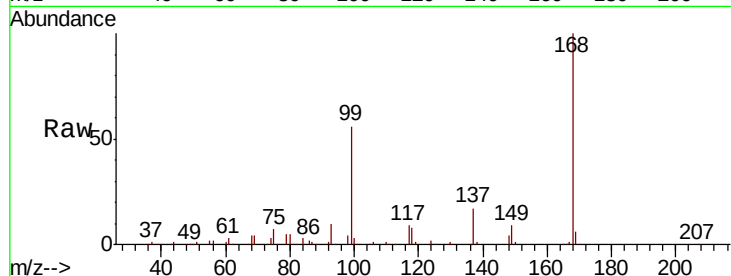
Tot Ion:117 Resp: 45671

Ion Ratio Lower Upper

117 100

119 5.4 75.6 113.4#

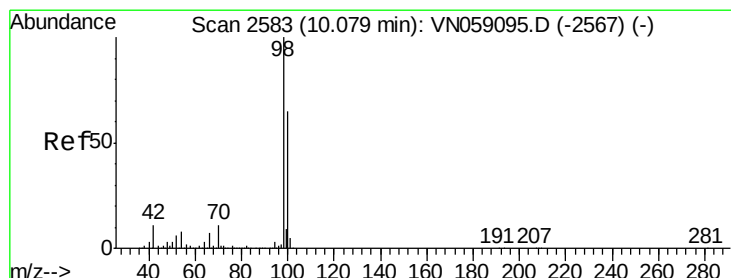
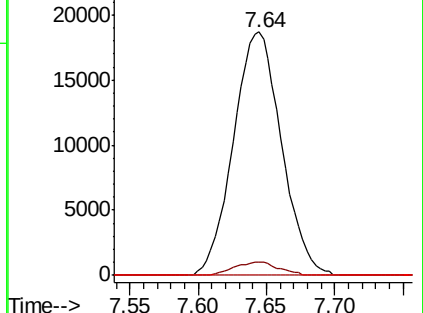
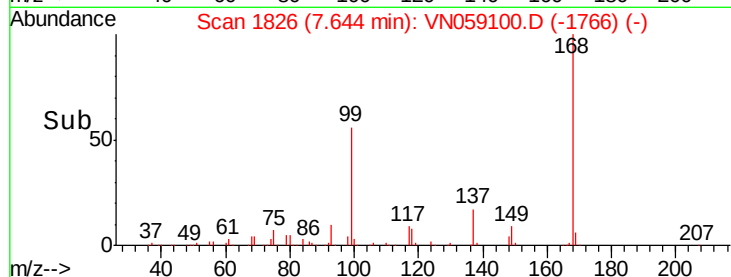
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 51.384 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059100.D

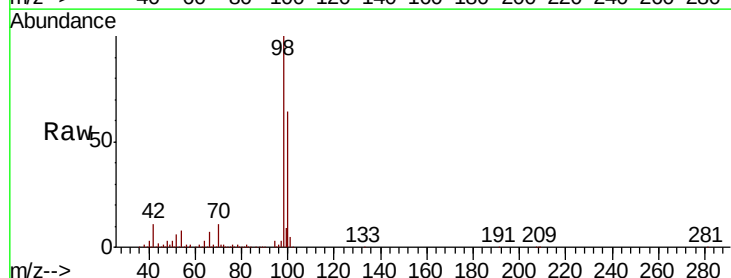
Acq: 6 Nov 2019 12:29

Tgt Ion: 98 Resp: 874356

Ion Ratio Lower Upper

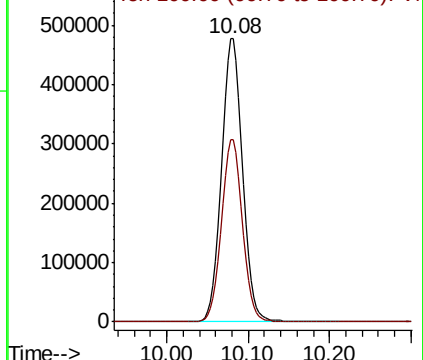
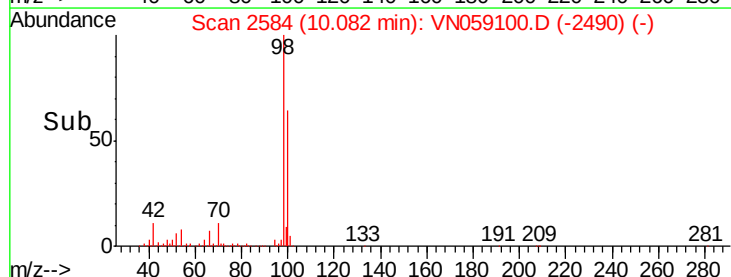
98 100

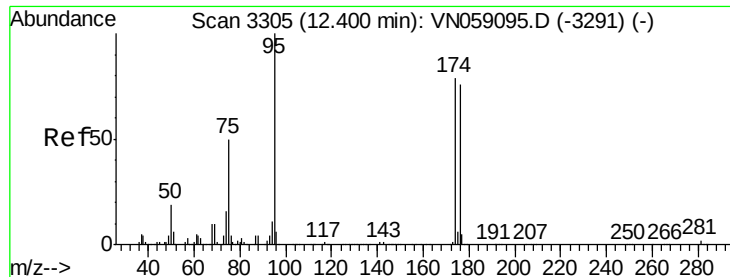
100 64.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

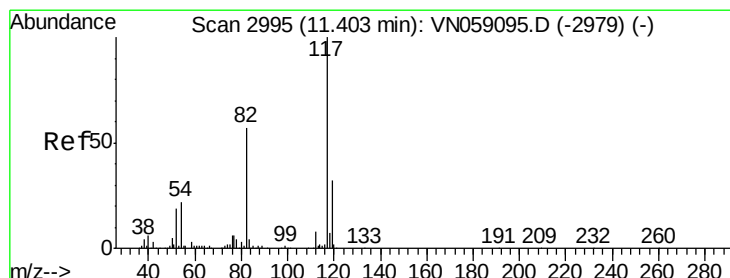
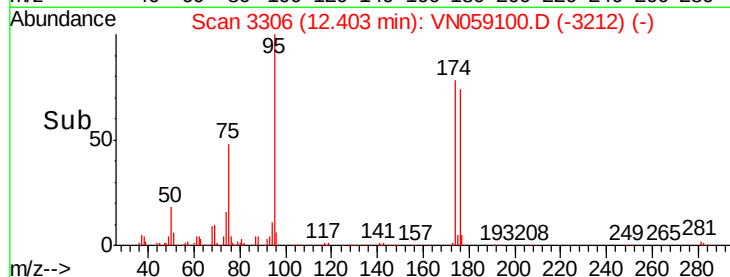
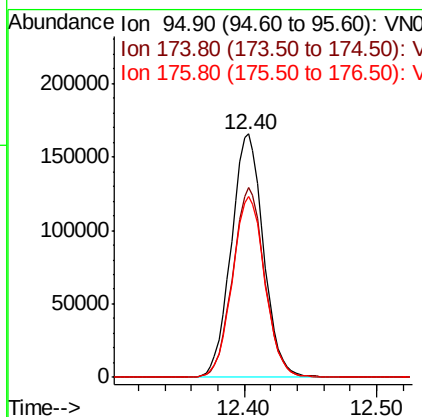
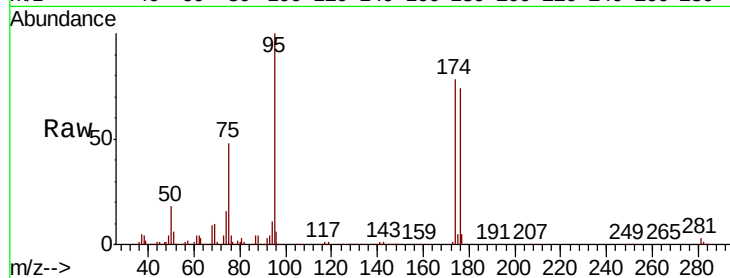




#62
4-Bromofluorobenzene
Concen: 45.546 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN059100.D
Acq: 6 Nov 2019 12:29

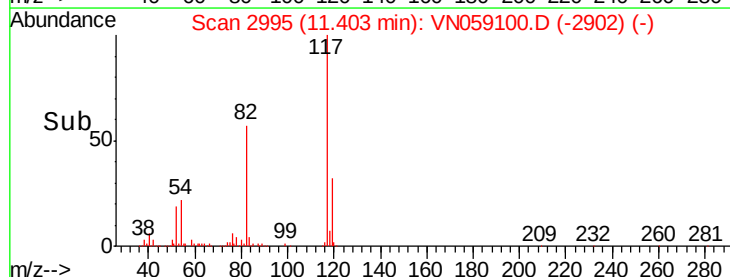
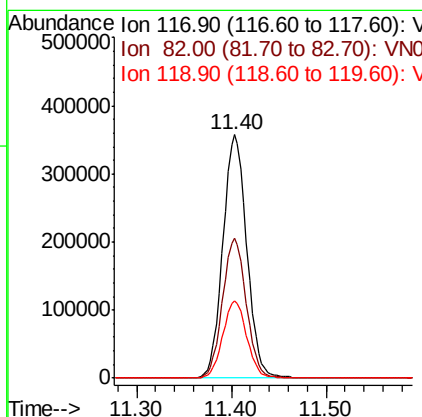
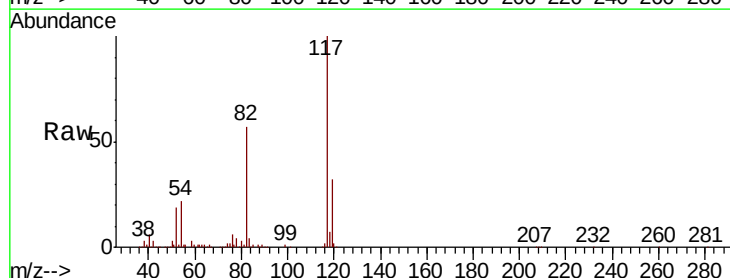
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBL01

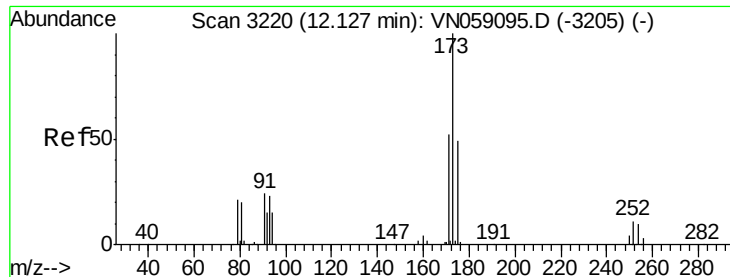
Tot Ion: 95 Resp: 279443
Ion Ratio Lower Upper
95 100
174 77.5 0.0 158.2
176 75.3 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059100.D
Acq: 6 Nov 2019 12:29

Tgt Ion: 117 Resp: 627504
Ion Ratio Lower Upper
117 100
82 57.4 45.8 68.8
119 31.7 25.8 38.6





#71

Bromoform

Concen: 0.458 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN059100.D

Acq: 6 Nov 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBL01

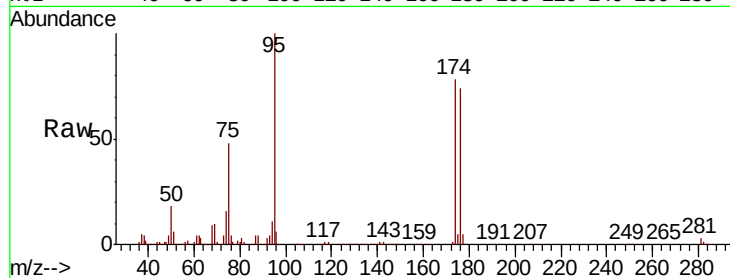
Tot Ion:173 Resp: 1636

Ion Ratio Lower Upper

173 100

175 792.2 24.2 72.6#

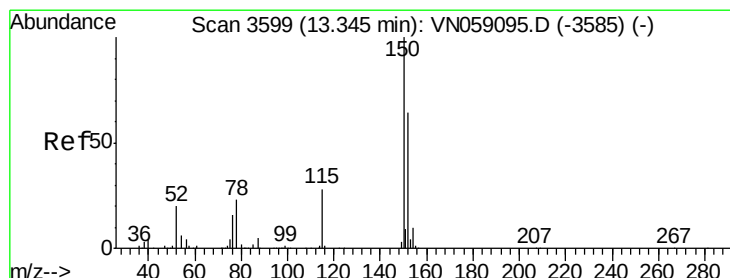
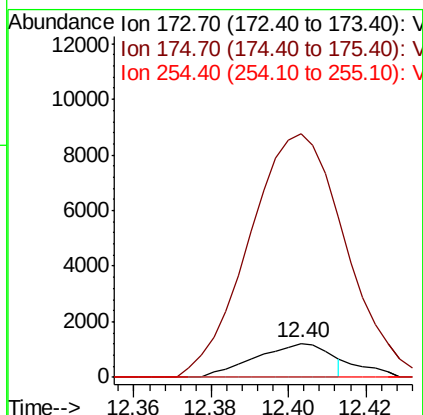
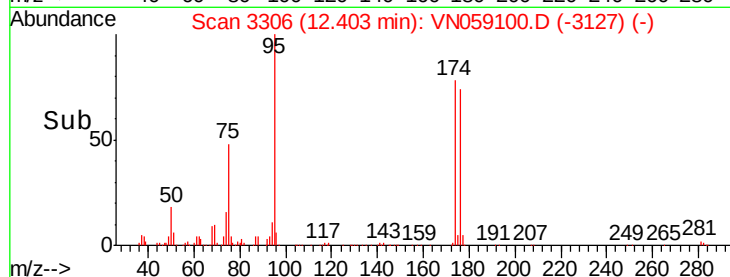
254 0.0 0.1 0.1#



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: VN059100.D

Acq: 6 Nov 2019 12:29

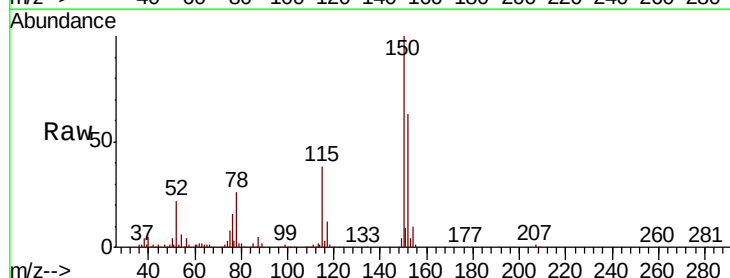
Tgt Ion:152 Resp: 225638

Ion Ratio Lower Upper

152 100

115 58.9 29.4 88.2

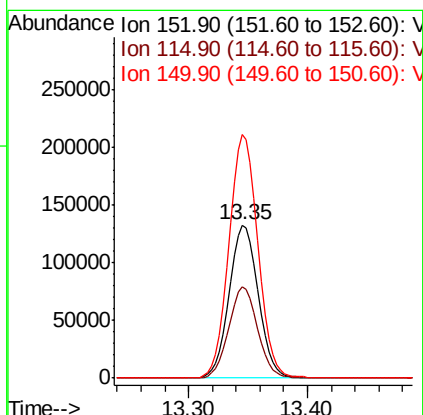
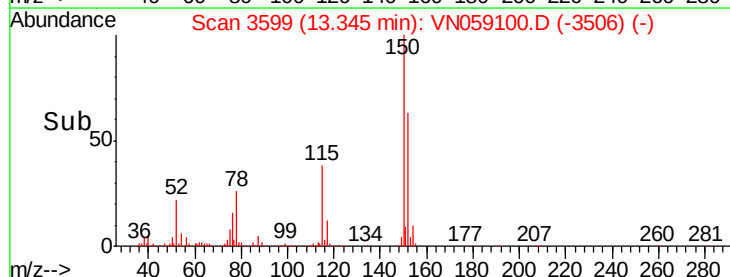
150 157.8 0.0 345.8

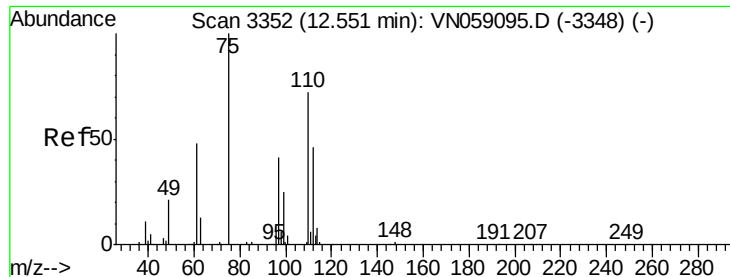


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.723 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059100.D

Acq: 6 Nov 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

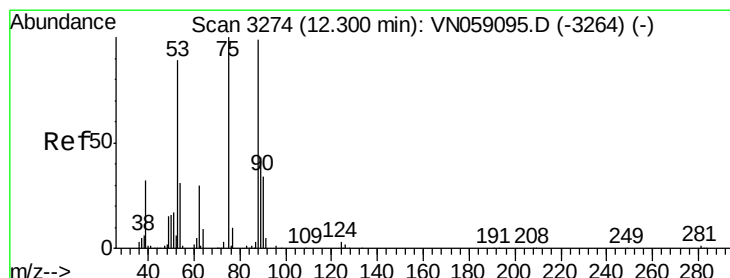
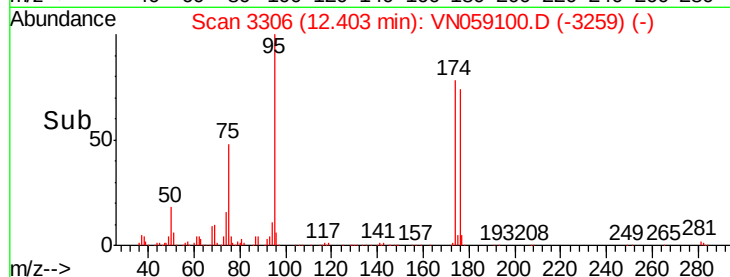
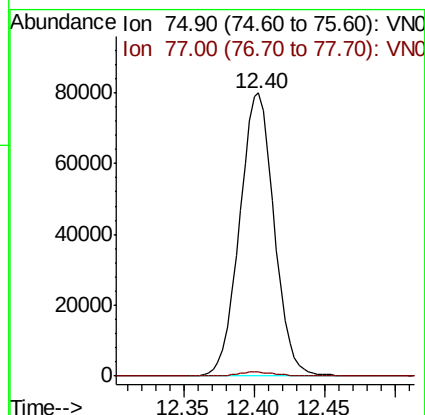
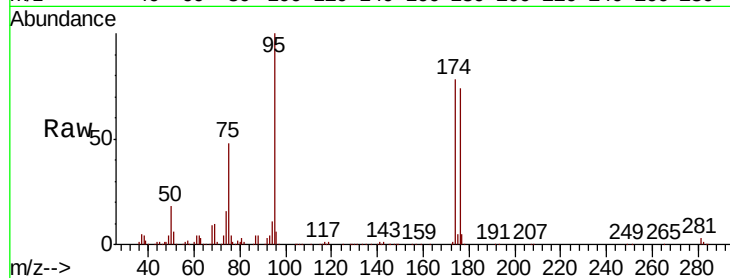
VN1106WBL01

Tot Ion: 75 Resp: 137275

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.582 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059100.D

Acq: 6 Nov 2019 12:29

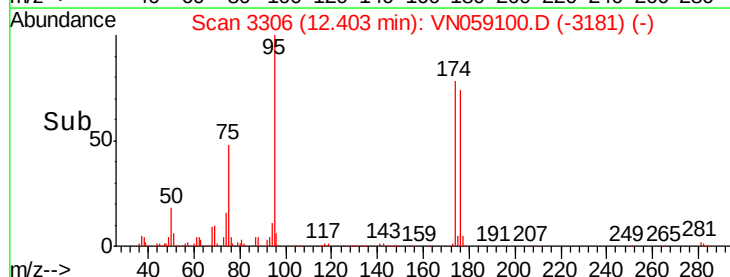
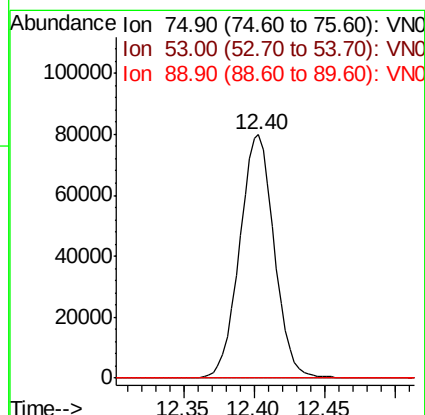
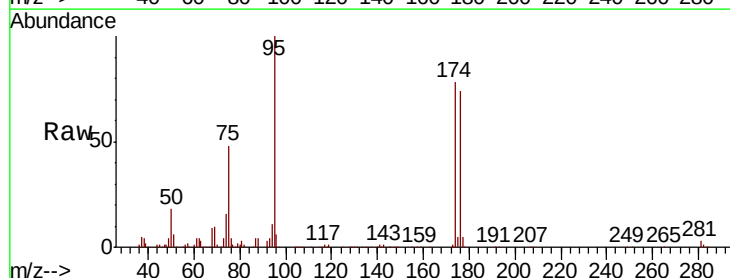
Tgt Ion: 75 Resp: 137275

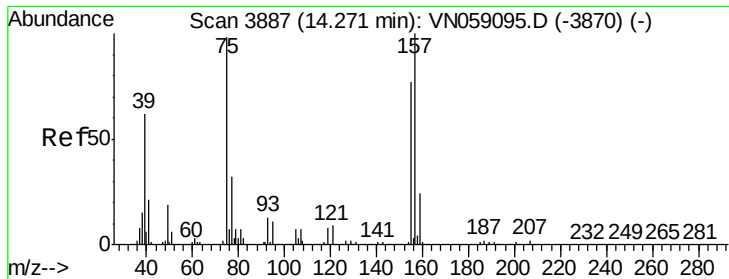
Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

89 0.0 35.8 53.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.285 ug/l

RT: 14.25 min Scan# 3881

Delta R.T. -0.02 min

Lab File: VN059100.D

Acq: 6 Nov 2019 12:29

Instrument :

MSVOA_N

ClientSampled :

VN1106WBL01

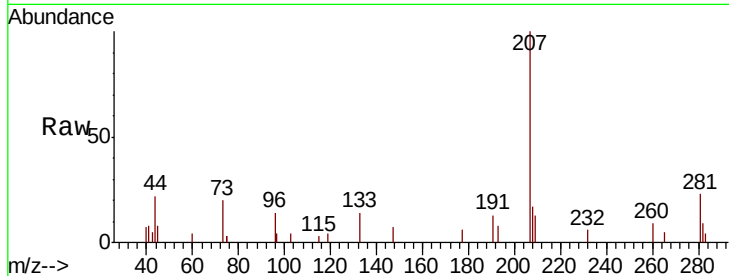
Tot Ion: 75 Resp: 289

Ion Ratio Lower Upper

75 100

155 0.0 40.2 120.6#

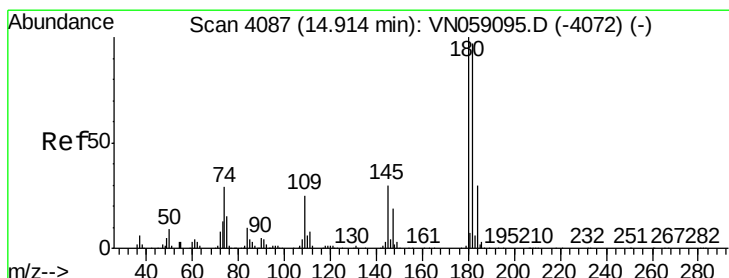
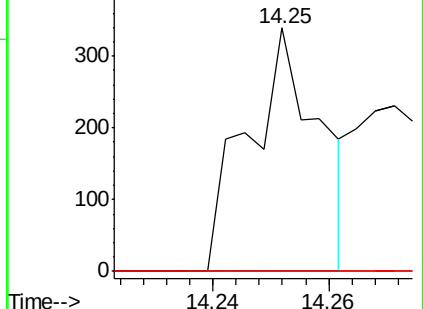
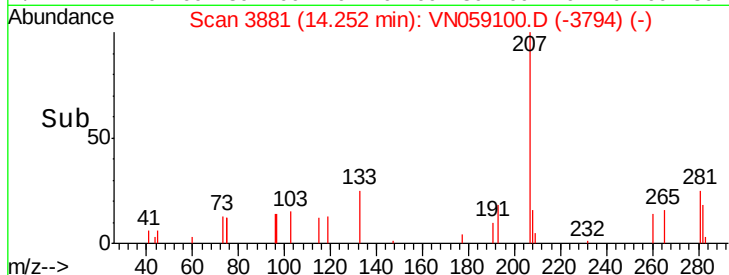
157 0.0 51.8 155.5#



Abundance Ion 74.90 (74.60 to 75.60): VN059100.D (-3794) (-)

Ion 154.80 (154.50 to 155.50): VN059100.D (-3794) (-)

Ion 156.80 (156.50 to 157.50): VN059100.D (-3794) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.326 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN059100.D

Acq: 6 Nov 2019 12:29

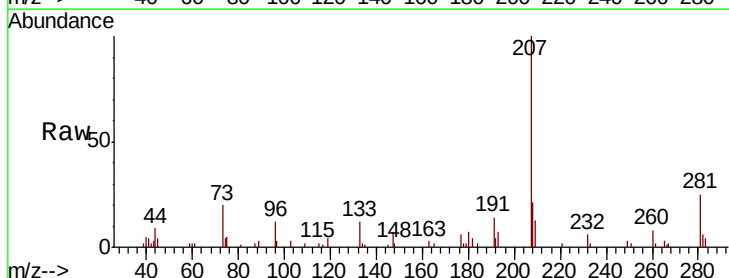
Tgt Ion: 180 Resp: 1254

Ion Ratio Lower Upper

180 100

182 88.6 48.1 144.3

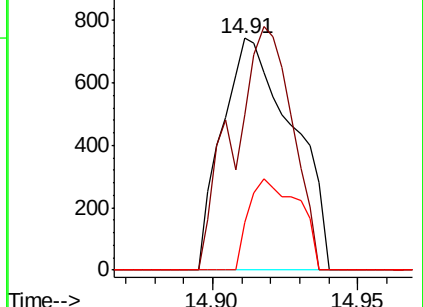
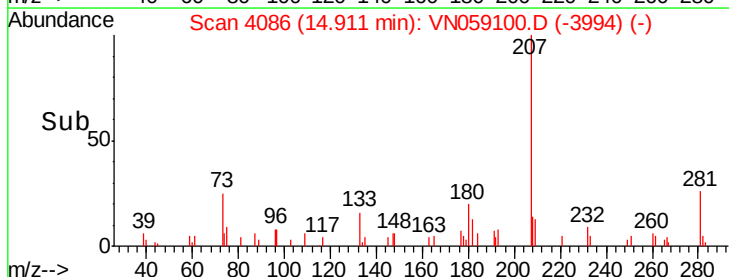
145 28.0 15.1 45.3

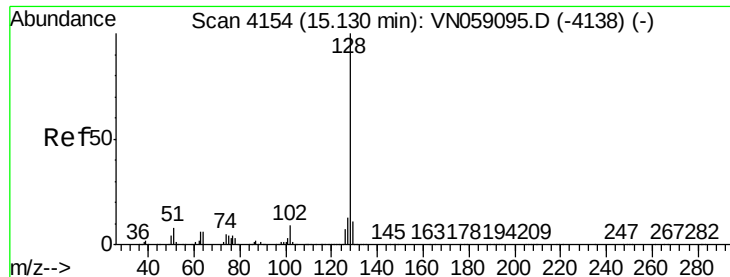


Abundance Ion 179.80 (179.50 to 180.50): VN059100.D (-3994) (-)

Ion 181.80 (181.50 to 182.50): VN059100.D (-3994) (-)

Ion 144.80 (144.50 to 145.50): VN059100.D (-3994) (-)





#95

Naphthalene

Concen: 3.409 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059100.D

Acq: 6 Nov 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBL01

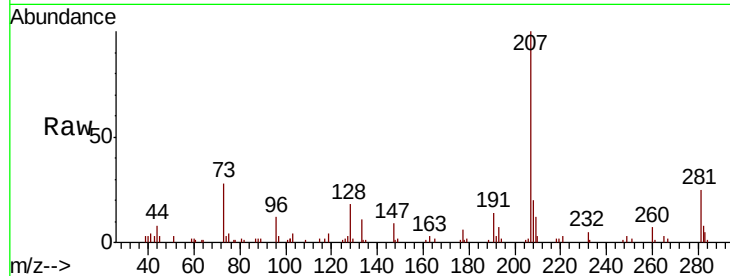
Tot Ion:128 Resp: 4537

Ion Ratio Lower Upper

128 100

127 9.7 10.2 15.2#

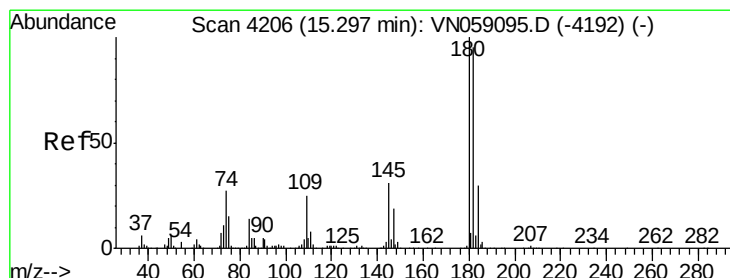
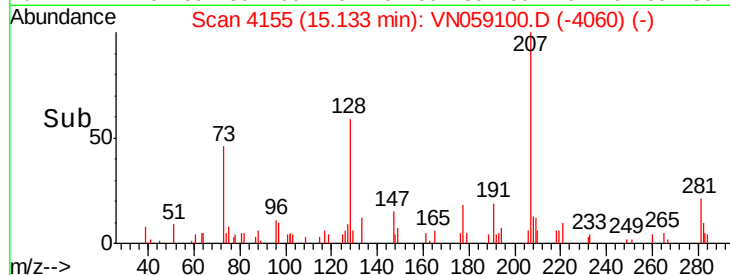
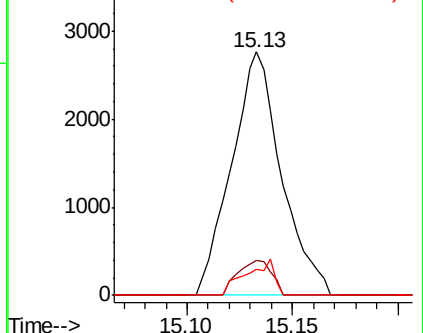
129 8.4 8.6 12.8#



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: 0.396 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059100.D

Acq: 6 Nov 2019 12:29

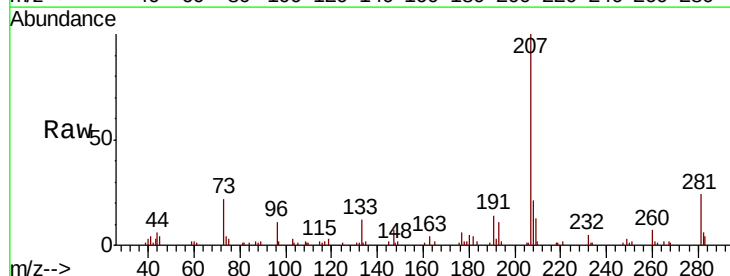
Tgt Ion:180 Resp: 1541

Ion Ratio Lower Upper

180 100

182 72.5 47.3 141.8

145 46.8 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

