

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112619\
 Data File : VN059401.D
 Acq On : 26 Nov 2019 13:07
 Operator : JC/SP
 Sample : VN1126WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBL01

Quant Time: Nov 26 13:49:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	348565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	534695	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	455845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	168815	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	197008	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	
35) Dibromofluoromethane	7.57	113	160510	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
50) Toluene-d8	10.08	98	636015	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.40	95	202204	45.35	ug/l	0.00
Spiked Amount			Recovery	=	90.70%	

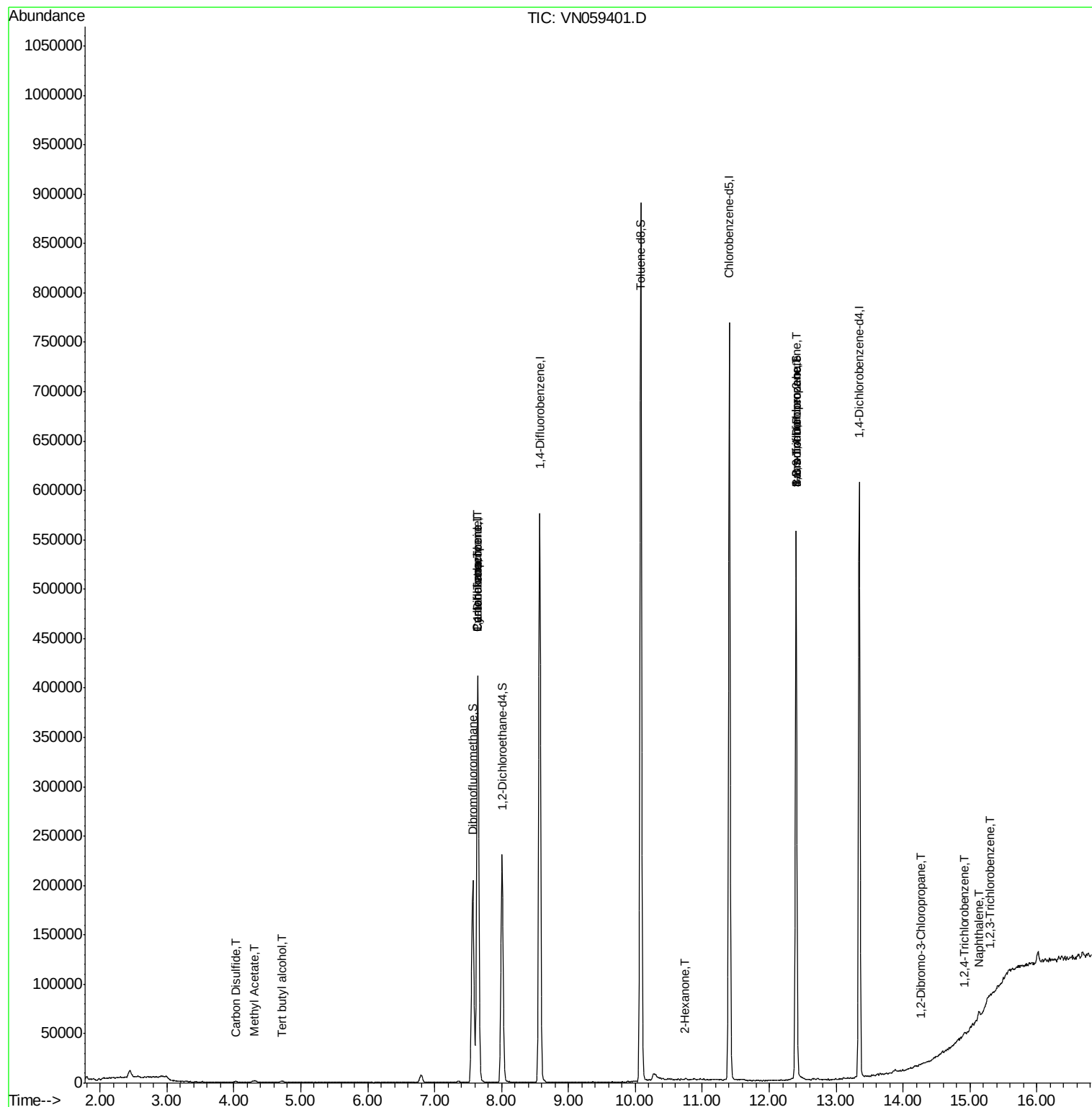
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	723	0.863	ug/l #	73
17) Carbon Disulfide	4.03	76	1794	0.292	ug/l #	75
18) Methyl Acetate	4.30	43	3208	0.515	ug/l #	67
31) Cyclohexane	7.64	56	6177	0.839	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	24983	4.526	ug/l #	50
38) Carbon Tetrachloride	7.64	117	32231	6.099	ug/l #	15
59) 2-Hexanone	10.75	43	854	0.220	ug/l	71
71) Bromoform	12.40	173	1121	0.416	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	96921	24.851	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	96921	62.157	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.26	75	380	0.391	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	455	3.058	ug/l #	14
95) Naphthalene	15.13	128	3794	3.525	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	1441	2.294	ug/l	79

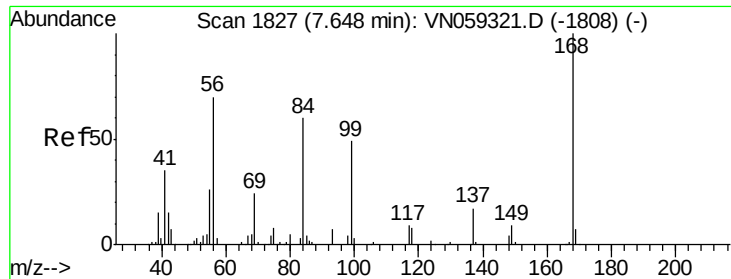
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 21 08:44:45 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059401.D

Acq: 26 Nov 2019 13:07

Instrument :

MSVOA_N

ClientSampleId :

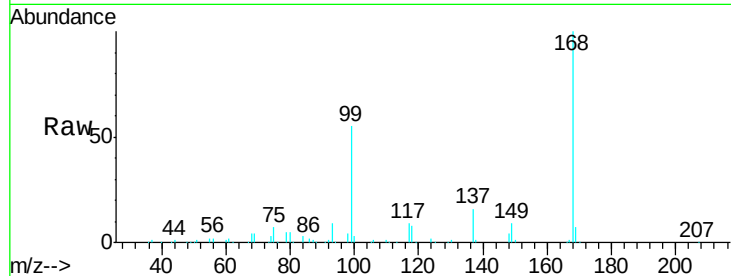
VN1126WBL01

Tgt Ion: 168 Resp: 348565

Ion Ratio Lower Upper

168 100

99 55.2 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): VN059321.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN059321.D (-1808) (-)

7.64

150000

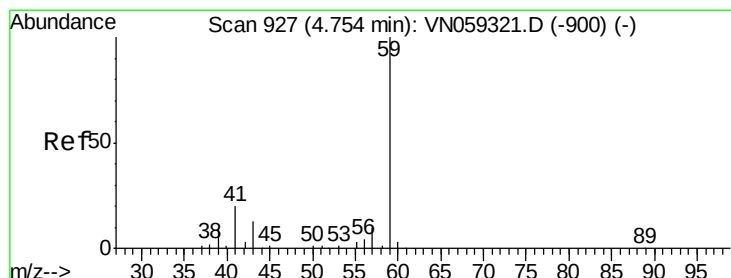
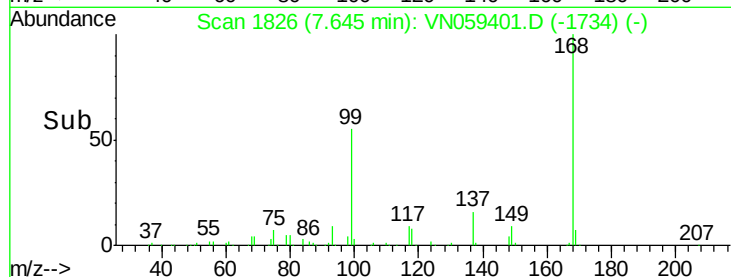
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 0.863 ug/l

RT: 4.73 min Scan# 918

Delta R.T. -0.03 min

Lab File: VN059401.D

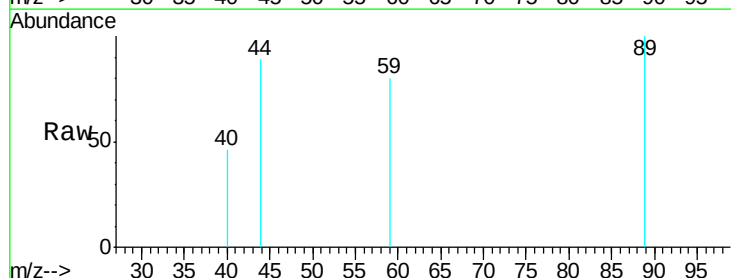
Acq: 26 Nov 2019 13:07

Tgt Ion: 59 Resp: 723

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN059321.D (-900) (-)

Ion 57.00 (56.70 to 57.70): VN059321.D (-900) (-)

4.73

500

400

300

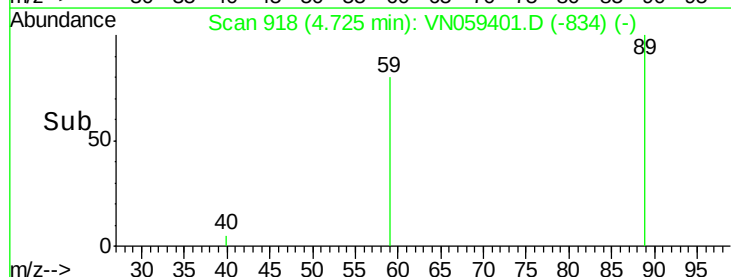
200

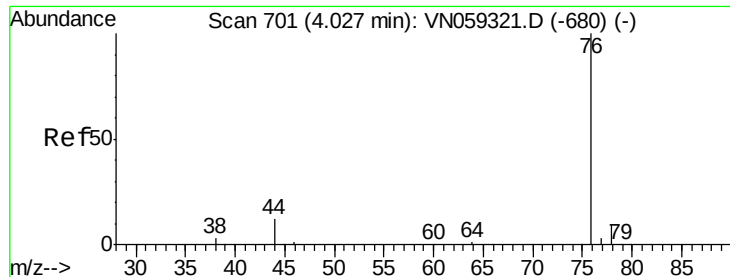
100

0

4.70 4.72 4.74 4.76

Time-->





#17

Carbon Disulfide

Concen: 0.292 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN059401.D

Acq: 26 Nov 2019 13:07

Instrument :

MSVOA_N

ClientSampleId :

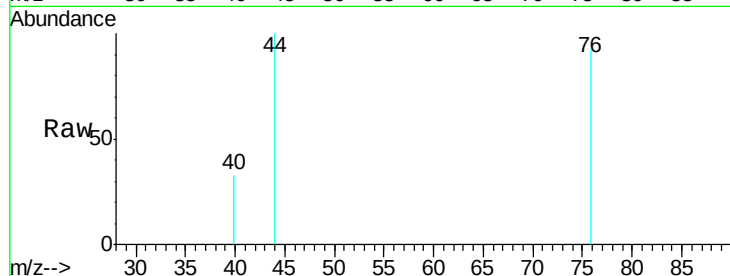
VN1126WBL01

Tgt Ion: 76 Resp: 1794

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

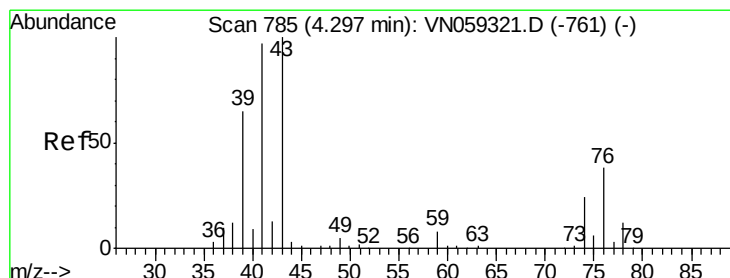
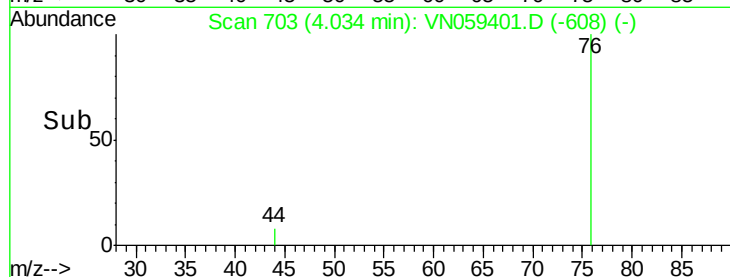
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 0.515 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.01 min

Lab File: VN059401.D

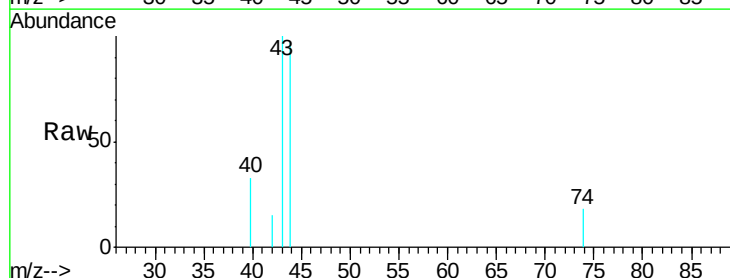
Acq: 26 Nov 2019 13:07

Tgt Ion: 43 Resp: 3208

Ion Ratio Lower Upper

43 100

74 6.5 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

1200

1000

800

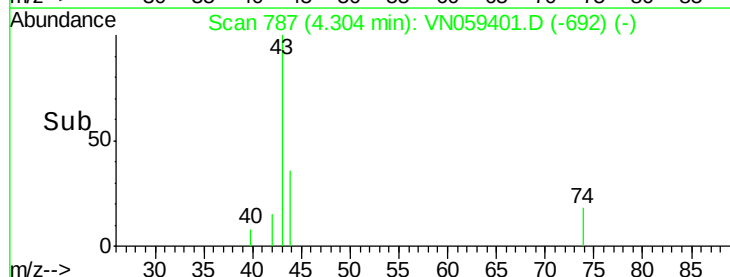
600

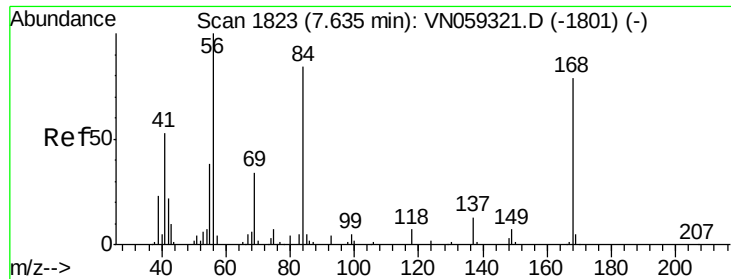
400

200

0

Time-->

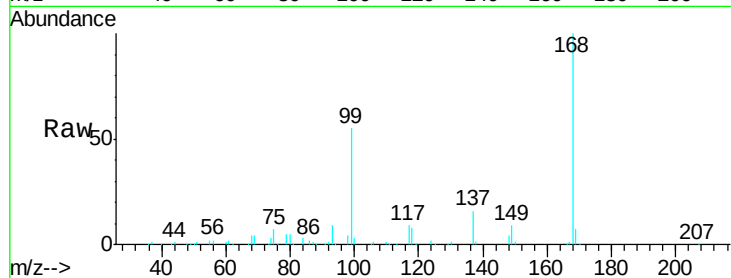




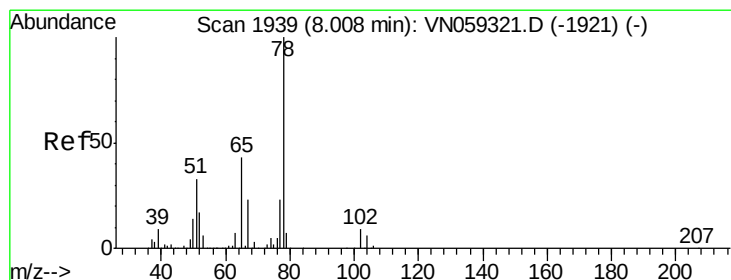
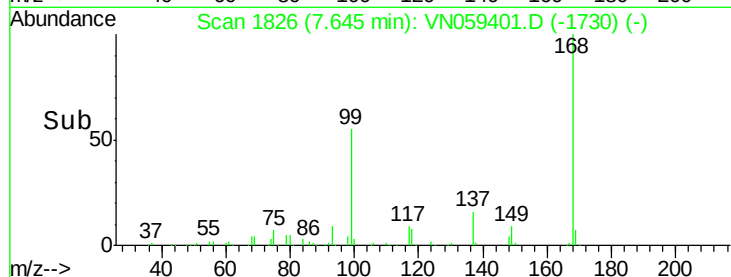
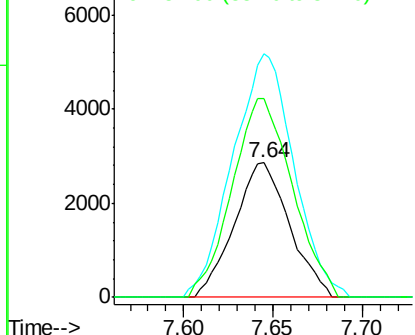
#31
Cyclohexane
Concen: 0.839 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059401.D
Acq: 26 Nov 2019 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBL01

Tgt Ion: 56 Resp: 6177
Ion Ratio Lower Upper
56 100
69 175.5 26.6 40.0#
84 147.8 67.0 100.4#

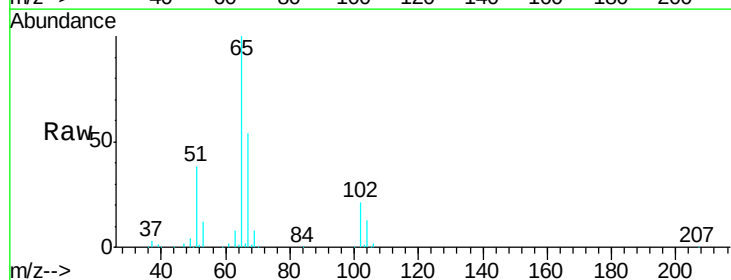


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

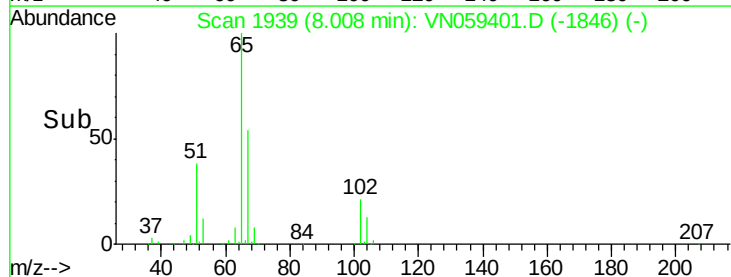
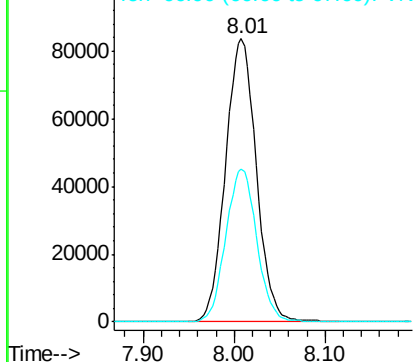


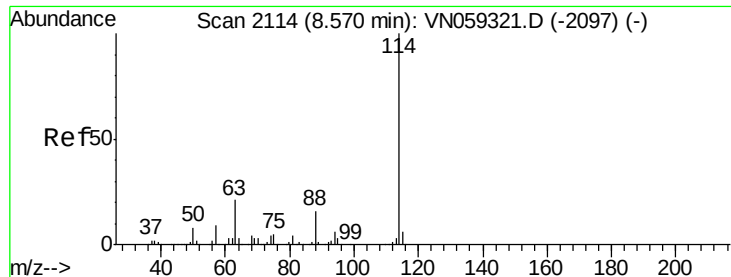
#33
1,2-Dichloroethane-d4
Concen: 47.106 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. 0.00 min
Lab File: VN059401.D
Acq: 26 Nov 2019 13:07

Tgt Ion: 65 Resp: 197008
Ion Ratio Lower Upper
65 100
67 54.1 0.0 109.4



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: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059401.D

Acq: 26 Nov 2019 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBL01

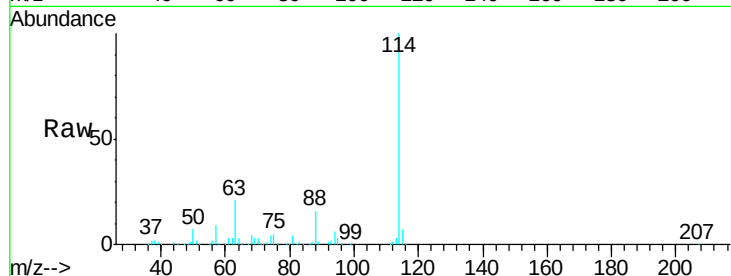
Tgt Ion:114 Resp: 534695

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.2

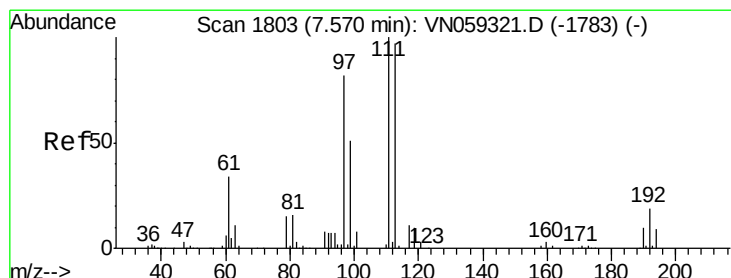
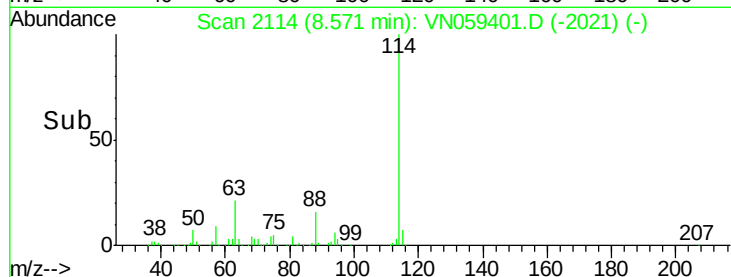
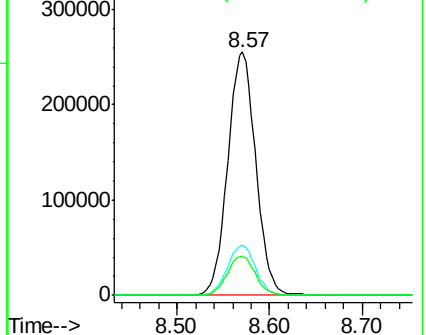
88 16.0 0.0 32.2



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: 50.036 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059401.D

Acq: 26 Nov 2019 13:07

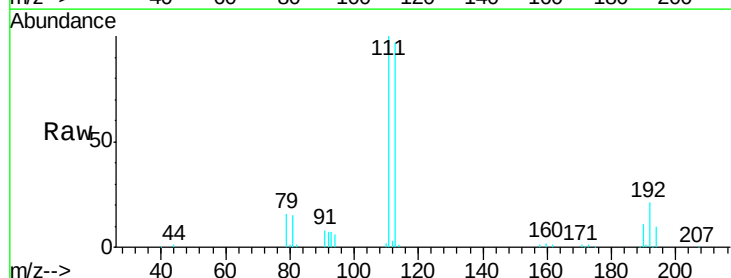
Tgt Ion:113 Resp: 160510

Ion Ratio Lower Upper

113 100

111 103.5 82.7 124.1

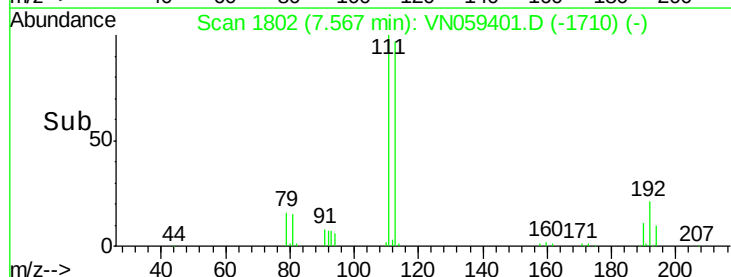
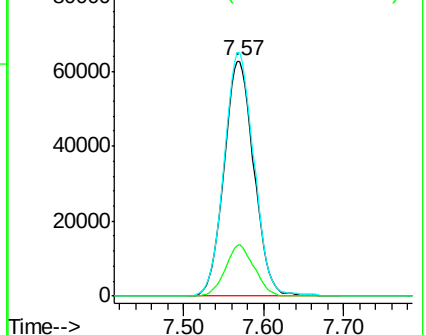
192 20.8 16.3 24.5

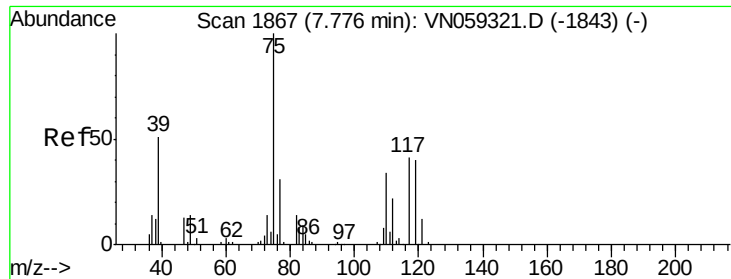


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

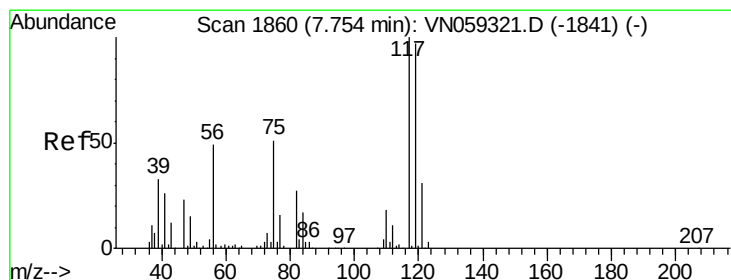
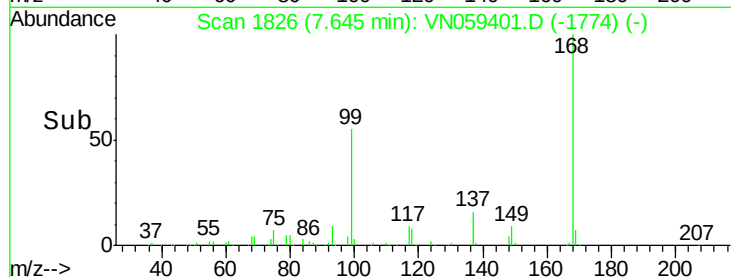
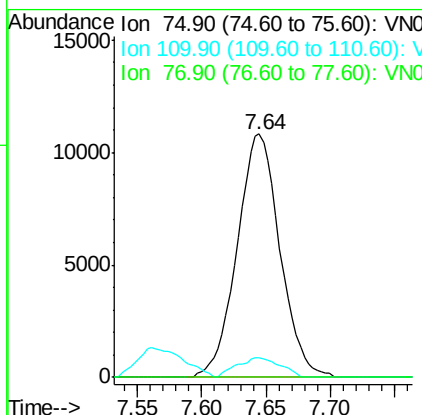
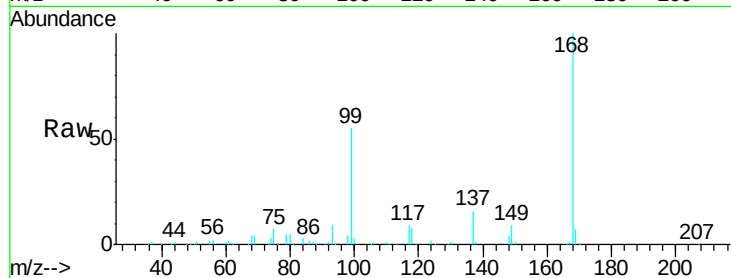




#36
 1,1-Dichloropropene
 Concen: 4.526 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059401.D
 Acq: 26 Nov 2019 13:07

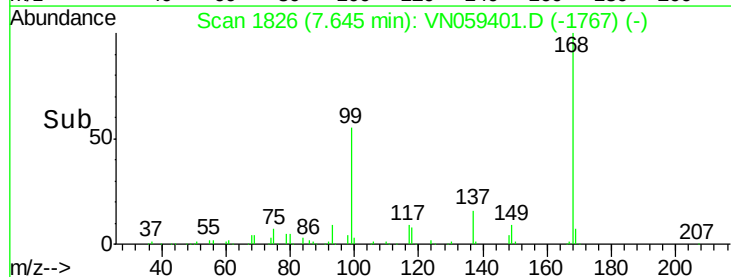
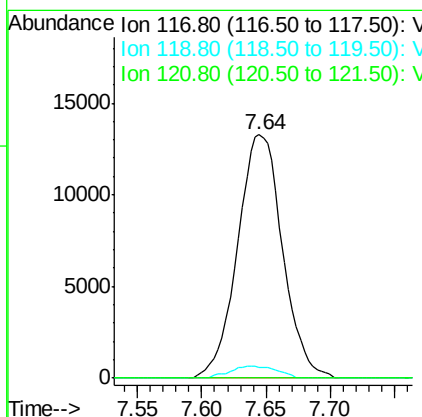
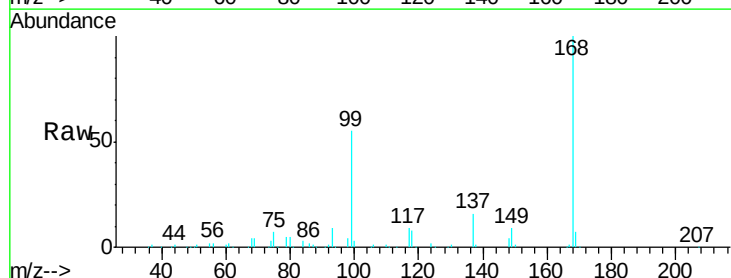
Instrument :
 MSVOA_N
 ClientSampled :
 VN1126WBL01

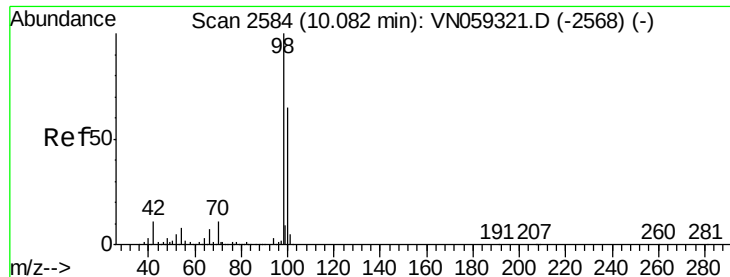
Tgt Ion: 75 Resp: 24983
 Ion Ratio Lower Upper
 75 100
 110 8.2 17.0 51.0#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.099 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059401.D
 Acq: 26 Nov 2019 13:07

Tgt Ion: 117 Resp: 32231
 Ion Ratio Lower Upper
 117 100
 119 4.3 77.0 115.4#
 121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 49.873 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059401.D

Acq: 26 Nov 2019 13:07

Instrument :

MSVOA_N

ClientSampled :

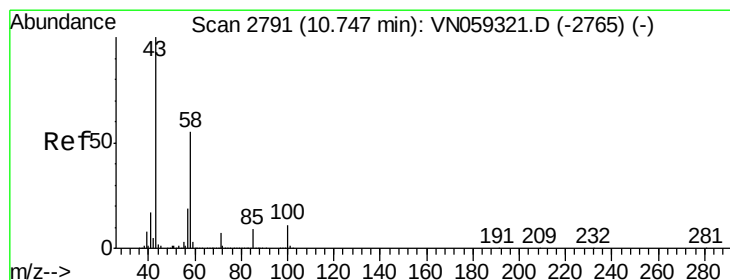
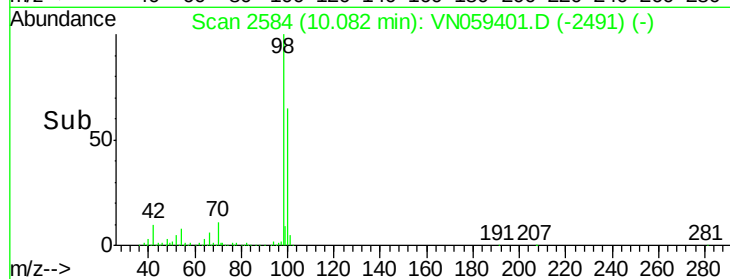
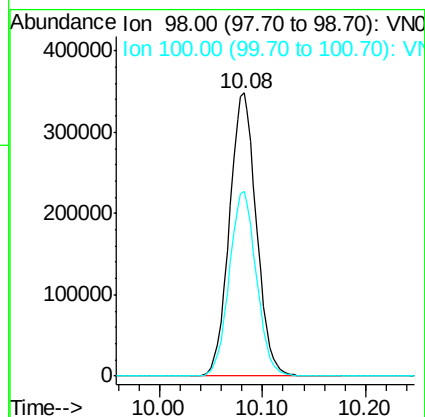
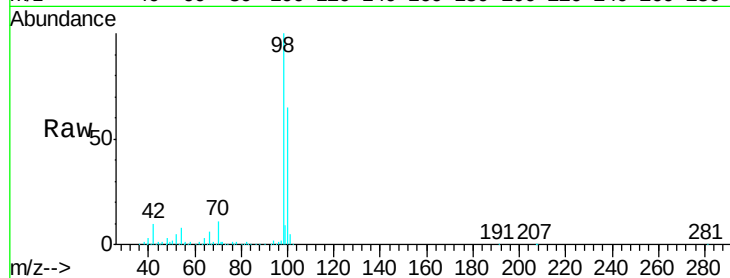
VN1126WBL01

Tgt Ion: 98 Resp: 636015

Ion Ratio Lower Upper

98 100

100 65.3 51.7 77.5



#59

2-Hexanone

Concen: 0.220 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN059401.D

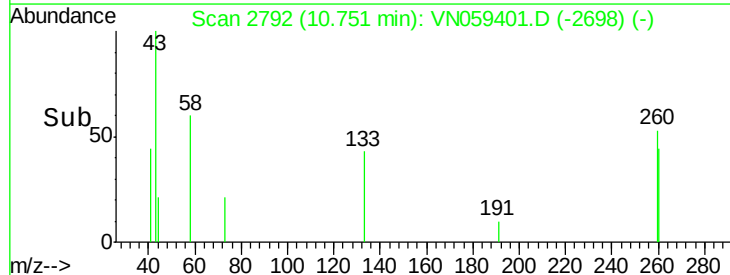
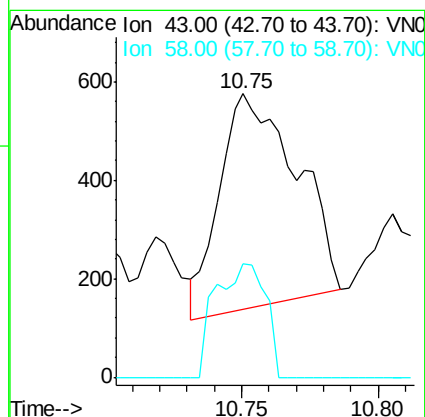
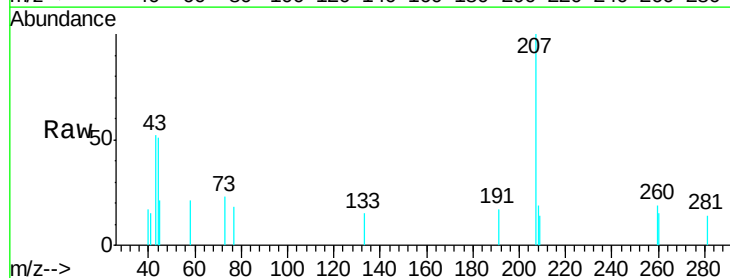
Acq: 26 Nov 2019 13:07

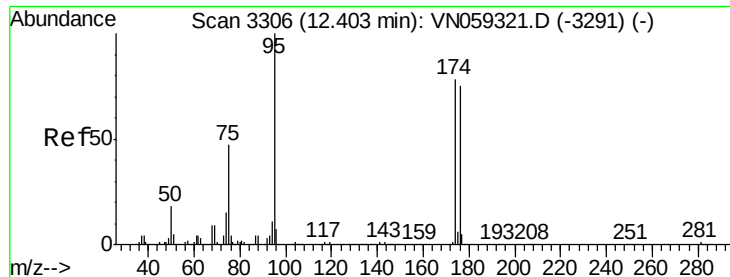
Tgt Ion: 43 Resp: 854

Ion Ratio Lower Upper

43 100

58 34.3 27.7 83.0





#62

4-Bromofluorobenzene

Concen: 45.347 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059401.D

Acq: 26 Nov 2019 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBL01

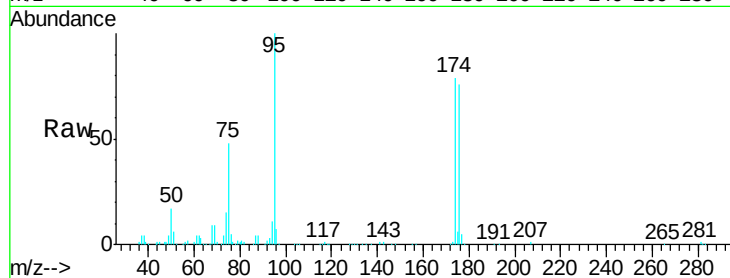
Tgt Ion: 95 Resp: 202204

Ion Ratio Lower Upper

95 100

174 79.6 0.0 157.4

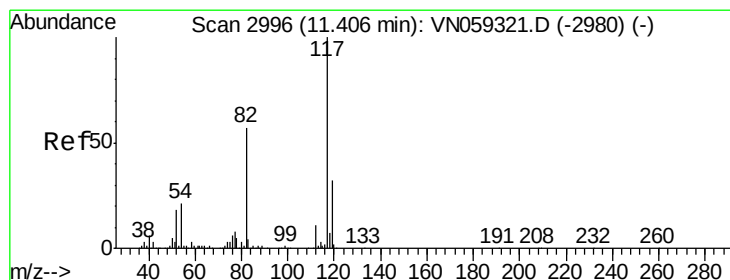
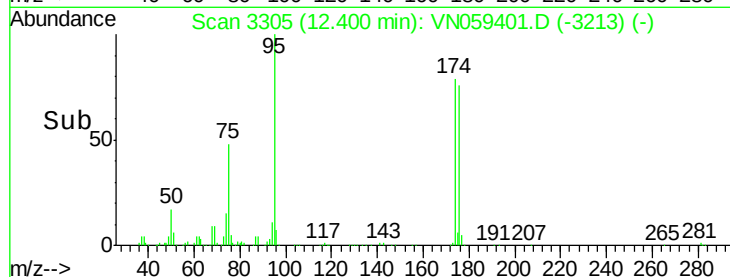
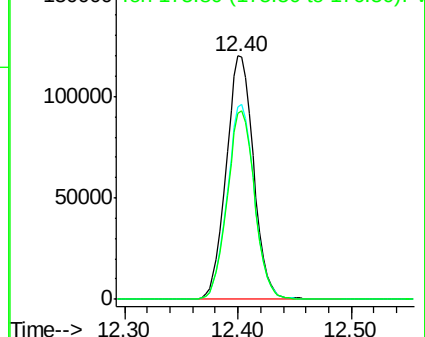
176 77.7 0.0 151.2



Abundance Ion 94.90 (94.60 to 95.60): VN059321.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059321.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059321.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059401.D

Acq: 26 Nov 2019 13:07

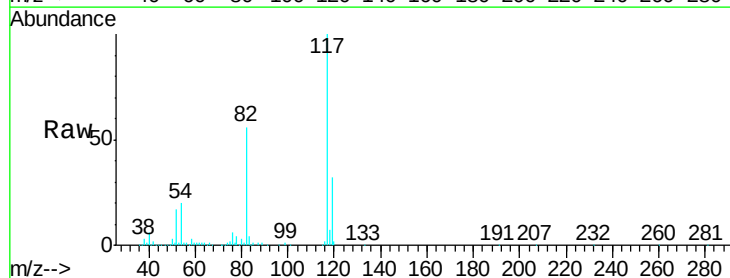
Tgt Ion: 117 Resp: 455845

Ion Ratio Lower Upper

117 100

82 55.9 45.7 68.5

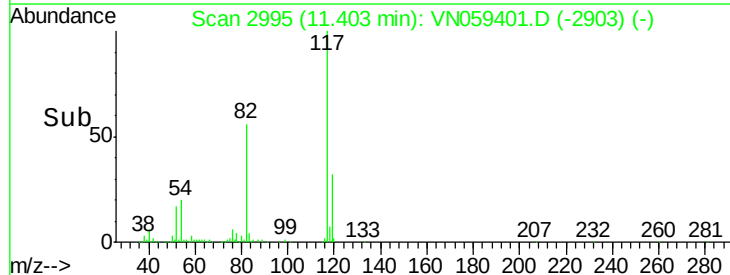
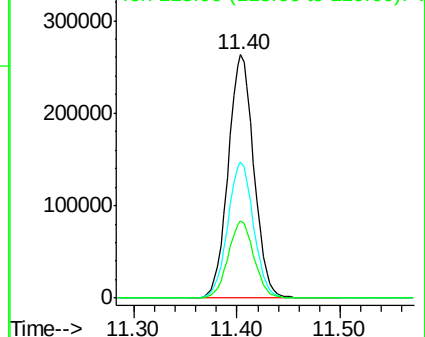
119 31.8 25.8 38.6

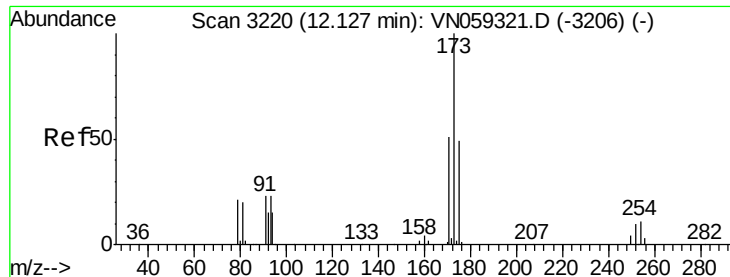


Abundance Ion 116.90 (116.60 to 117.60): VN059321.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN059321.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN059321.D (-2980) (-)





#71

Bromoform

Concen: 0.416 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN059401.D

Acq: 26 Nov 2019 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBL01

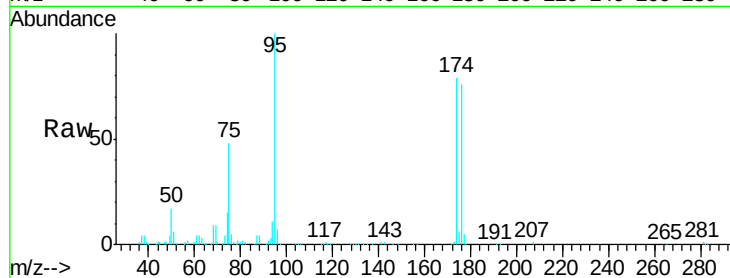
Tgt Ion:173 Resp: 1121

Ion Ratio Lower Upper

173 100

175 912.0 24.6 73.6#

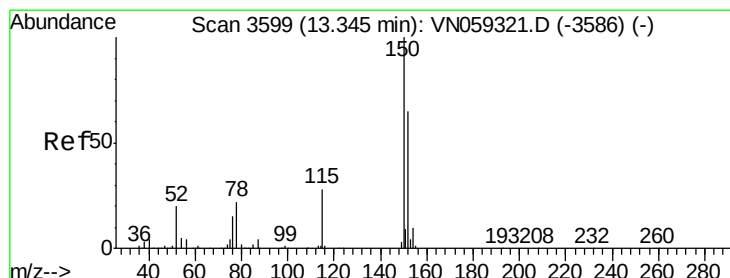
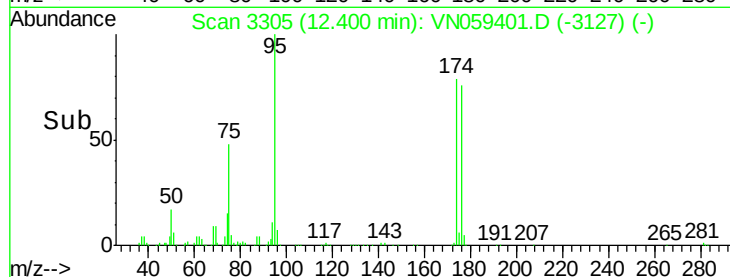
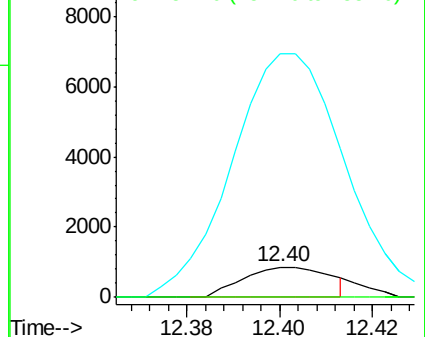
254 0.0 0.1 0.1#



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: VN059401.D

Acq: 26 Nov 2019 13:07

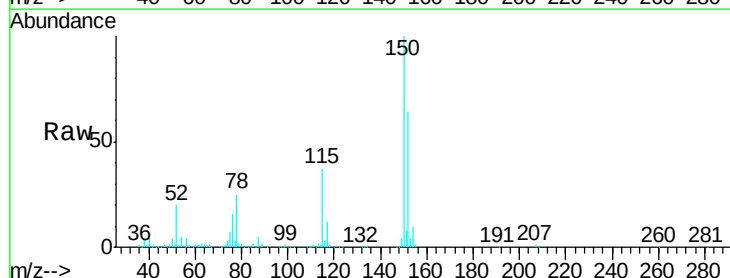
Tgt Ion:152 Resp: 168815

Ion Ratio Lower Upper

152 100

115 59.4 29.3 88.0

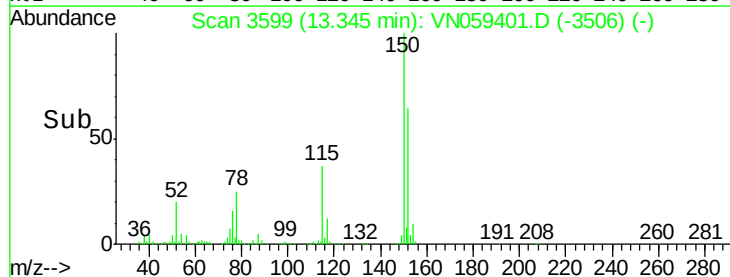
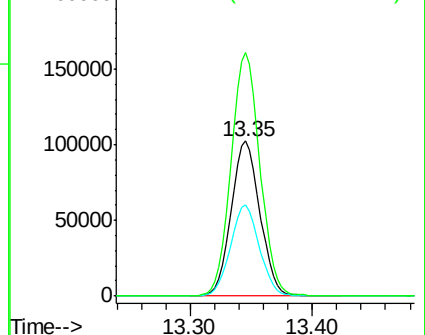
150 157.1 0.0 346.0

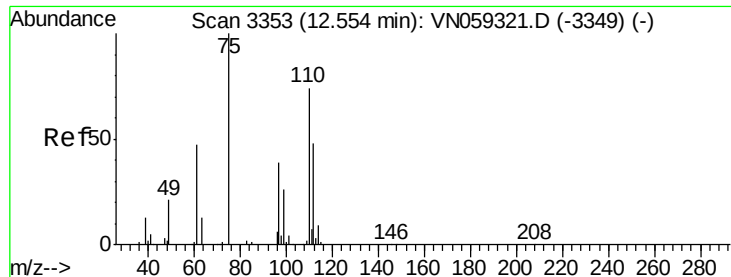


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.851 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059401.D

Acq: 26 Nov 2019 13:07

Instrument :

MSVOA_N

ClientSampleId :

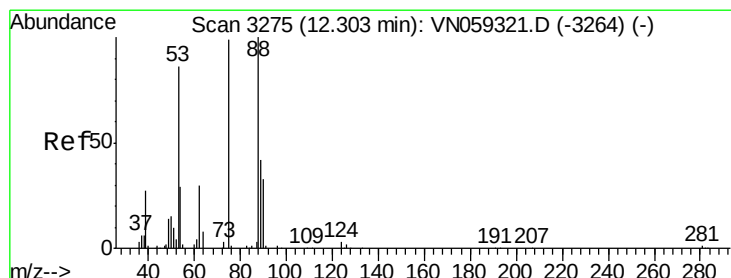
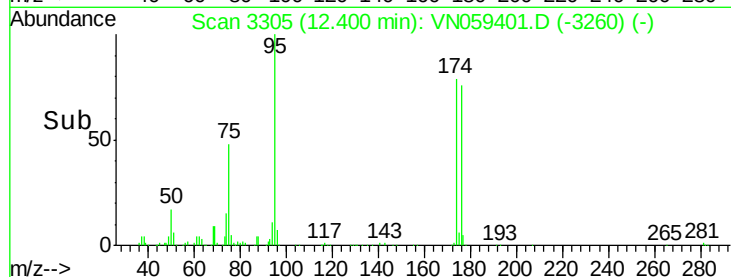
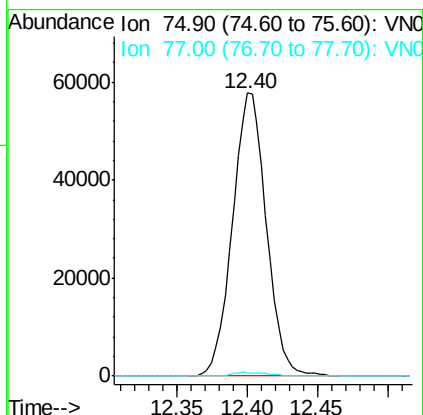
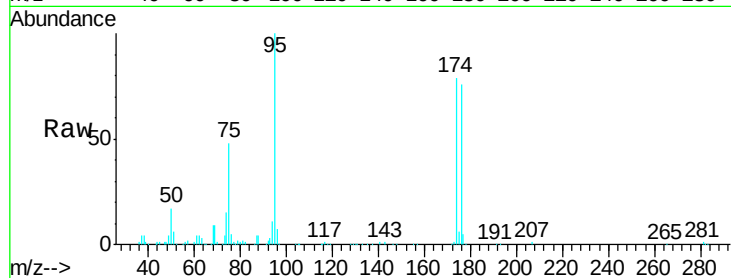
VN1126WBL01

Tgt Ion: 75 Resp: 96921

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.157 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059401.D

Acq: 26 Nov 2019 13:07

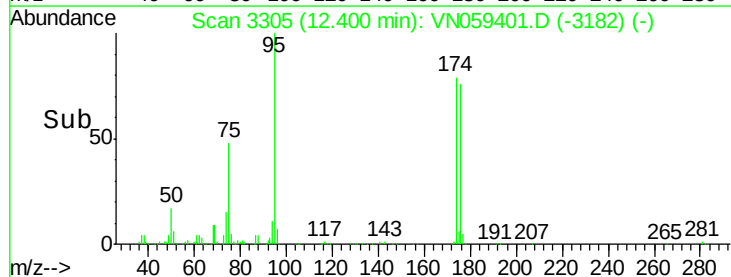
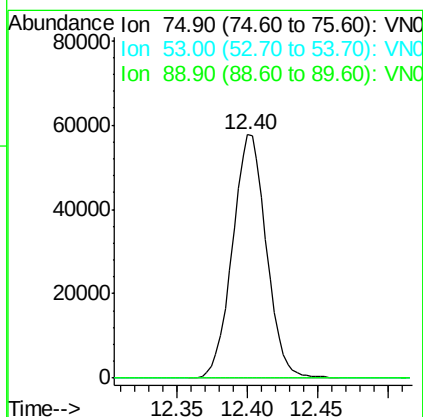
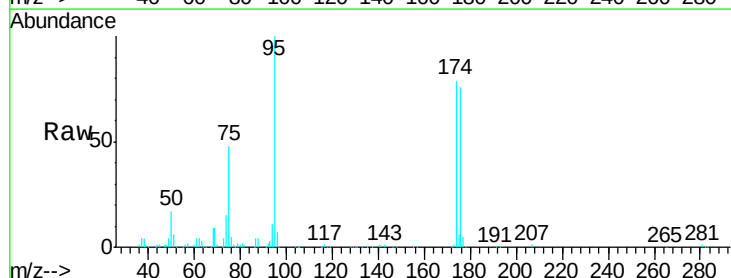
Tgt Ion: 75 Resp: 96921

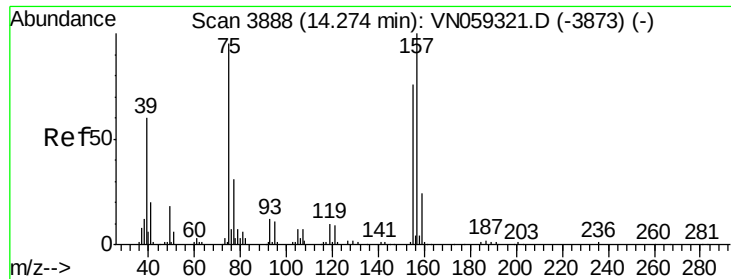
Ion Ratio Lower Upper

75 100

53 0.0 70.7 106.1#

89 0.0 35.4 53.0#

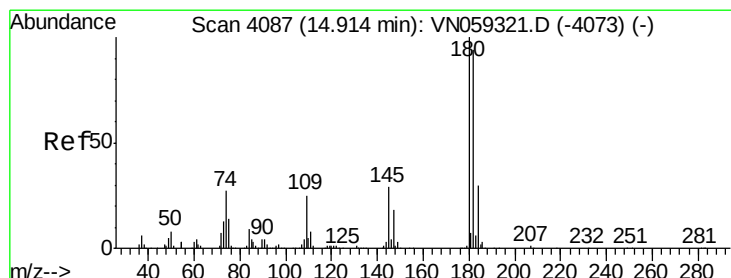
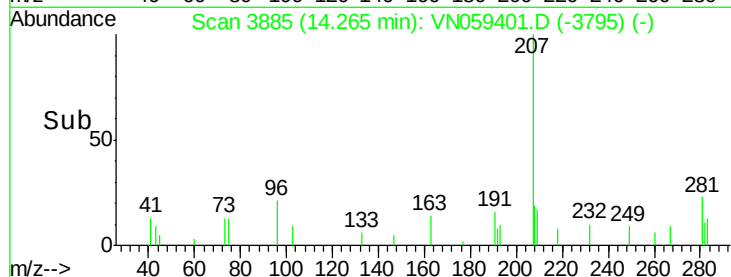
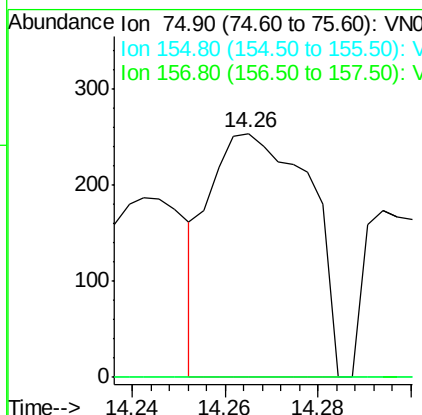
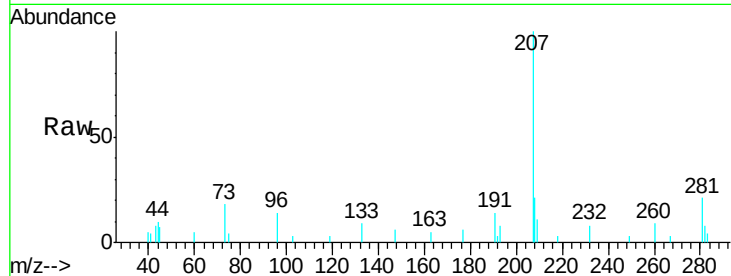




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.391 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.01 min
 Lab File: VN059401.D
 Acq: 26 Nov 2019 13:07

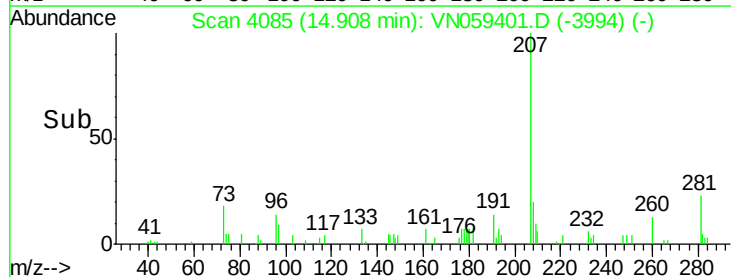
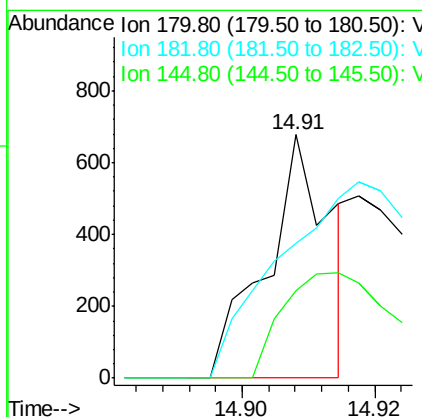
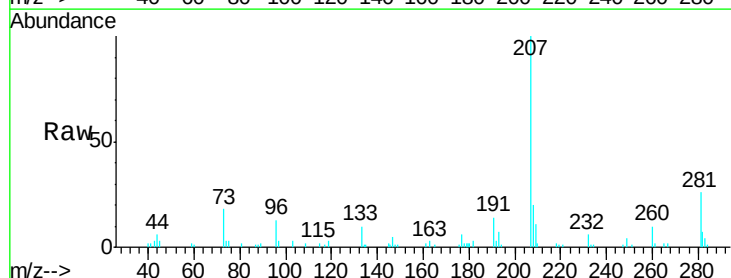
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBL01

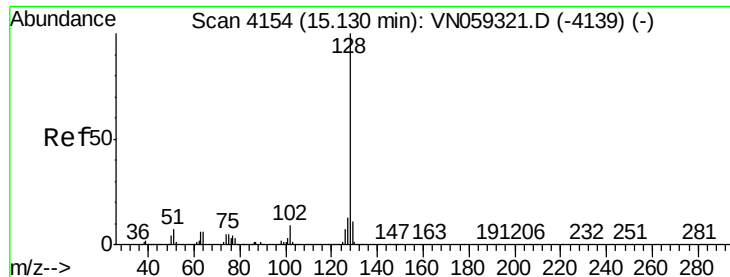
Tgt Ion: 75 Resp: 380
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.5 121.5#
 157 0.0 52.7 158.1#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.058 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.01 min
 Lab File: VN059401.D
 Acq: 26 Nov 2019 13:07

Tgt Ion: 180 Resp: 455
 Ion Ratio Lower Upper
 180 100
 182 182.2 47.2 141.6#
 145 68.4 14.9 44.5#





#95

Naphthalene

Concen: 3.525 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059401.D

Acq: 26 Nov 2019 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBL01

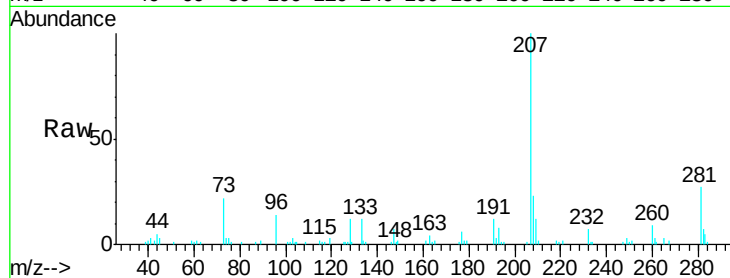
Tgt Ion:128 Resp: 3794

Ion Ratio Lower Upper

128 100

127 12.0 10.2 15.2

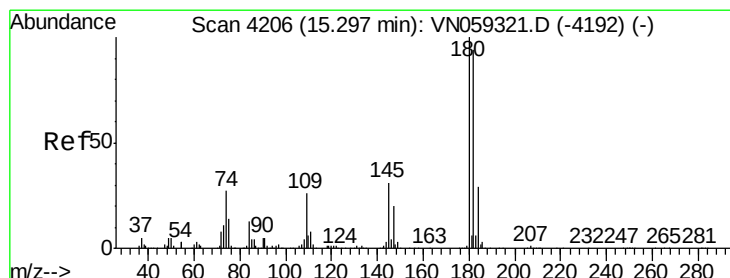
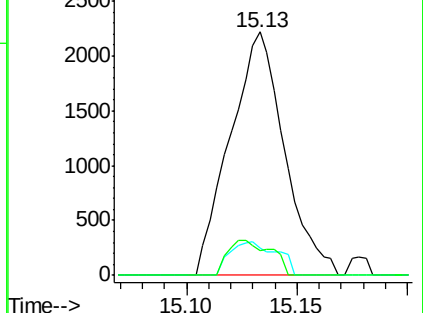
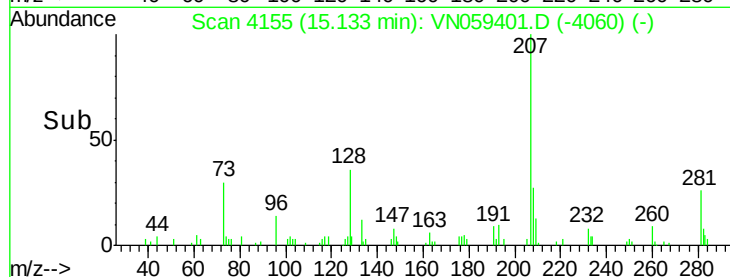
129 11.3 8.6 13.0



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: 2.294 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059401.D

Acq: 26 Nov 2019 13:07

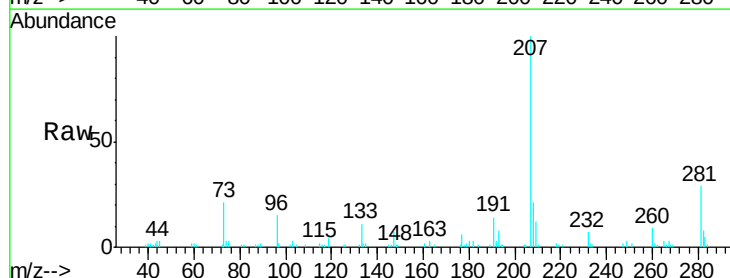
Tgt Ion:180 Resp: 1441

Ion Ratio Lower Upper

180 100

182 75.0 47.1 141.4

145 43.5 15.6 46.8



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

