

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\
 Data File : VN058916.D
 Acq On : 23 Oct 2019 10:12
 Operator : JC/SP
 Sample : VN1024MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 24 01:09:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	330671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	521156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	459242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	167964	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	252652	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
35) Dibromofluoromethane	7.57	113	182213	53.18	ug/l	0.00
Spiked Amount			Recovery	=	106.36%	
50) Toluene-d8	10.08	98	683314	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
62) 4-Bromofluorobenzene	12.40	95	208963	42.78	ug/l	0.00
Spiked Amount			Recovery	=	85.56%	

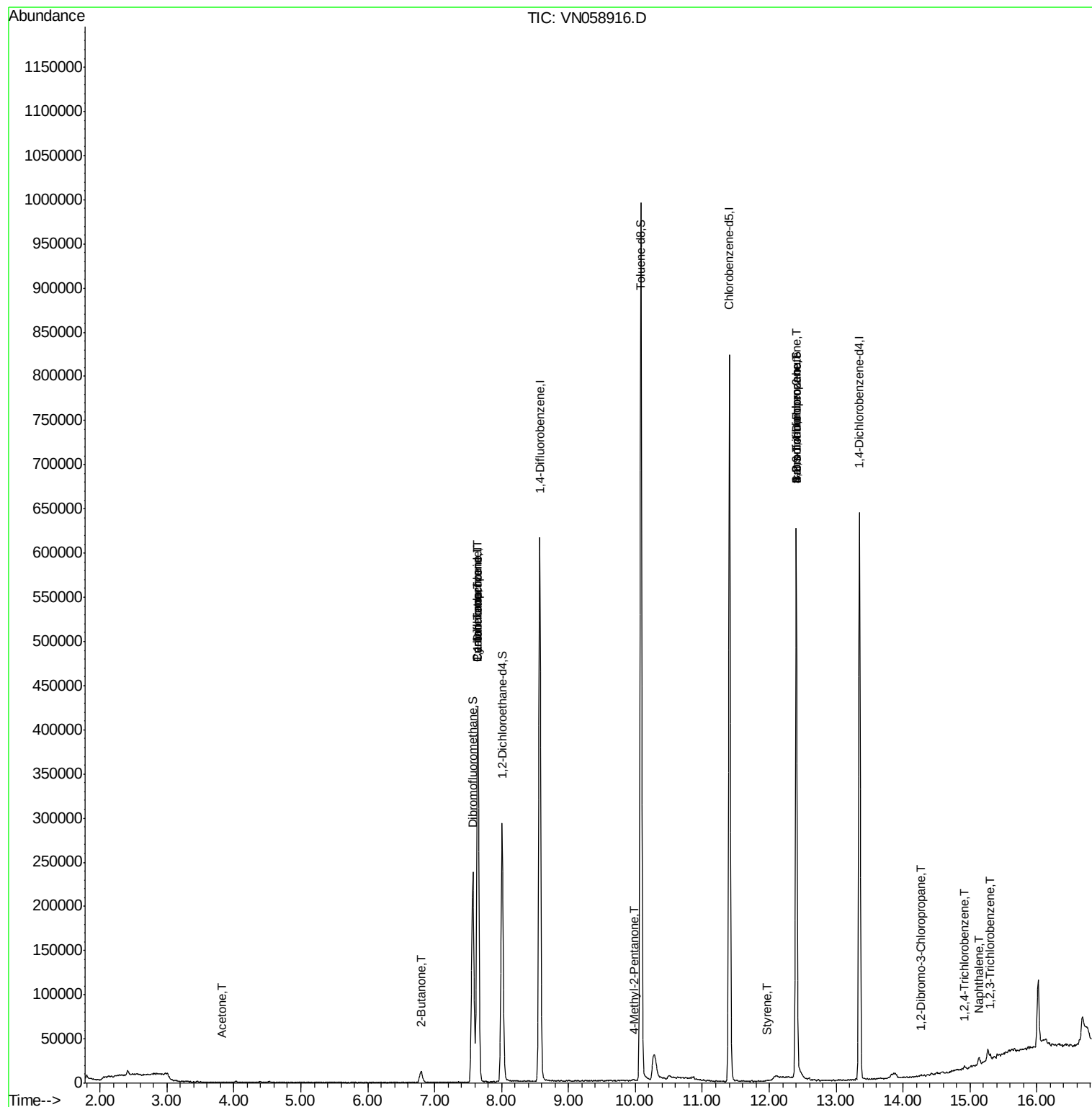
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.81	43	1143	0.477	ug/l #	46
25) 2-Butanone	6.80	43	1105	0.355	ug/l #	51
31) Cyclohexane	7.64	56	8012	1.150	ug/l #	16
36) 1,1-Dichloropropene	7.64	75	28741	5.387	ug/l #	50
38) Carbon Tetrachloride	7.64	117	32489	5.911	ug/l #	17
51) 4-Methyl-2-Pentanone	9.97	43	1131	0.208	ug/l #	73
70) Styrene	11.97	104	294	1.740	ug/l #	46
71) Bromoform	12.40	173	1102	0.403	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	113144	29.065	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	113144	75.717	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.27	75	217	0.222	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.91	180	1010	2.807	ug/l	83
95) Naphthalene	15.13	128	4126	2.635	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.30	180	1786	2.916	ug/l	89

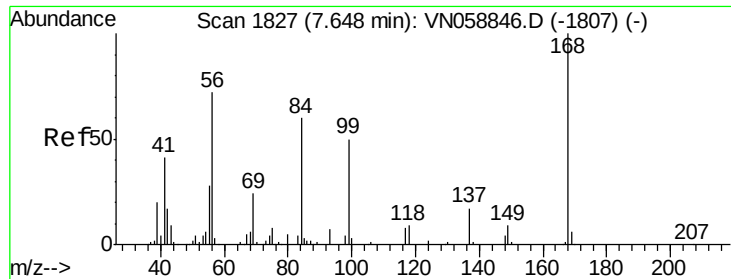
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102419\
Data File : VN058916.D
Acq On : 23 Oct 2019 10:12
Operator : JC/SP
Sample : VN1024MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 24 01:09:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 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: VN058916.D

Acq: 23 Oct 2019 10:12

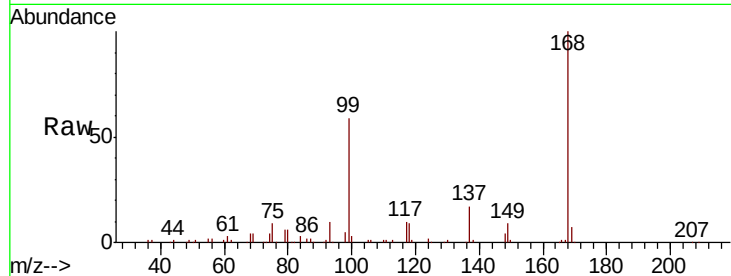
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 330671

Ion Ratio Lower Upper

168 100

99 59.4 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

150000

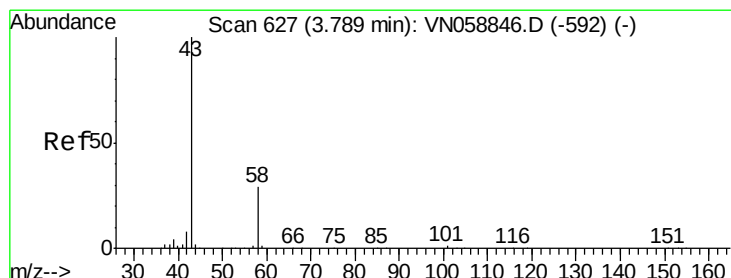
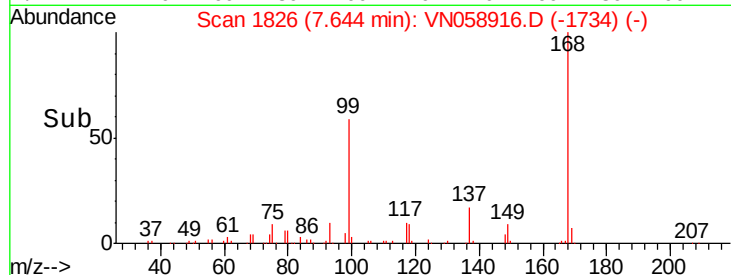
100000

50000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 0.477 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.02 min

Lab File: VN058916.D

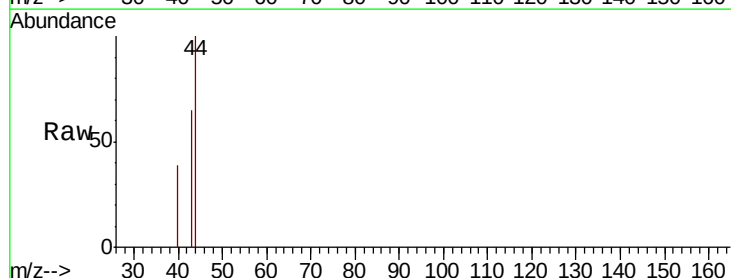
Acq: 23 Oct 2019 10:12

Tgt Ion: 43 Resp: 1143

Ion Ratio Lower Upper

43 100

58 0.0 23.1 34.7#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.81

400

300

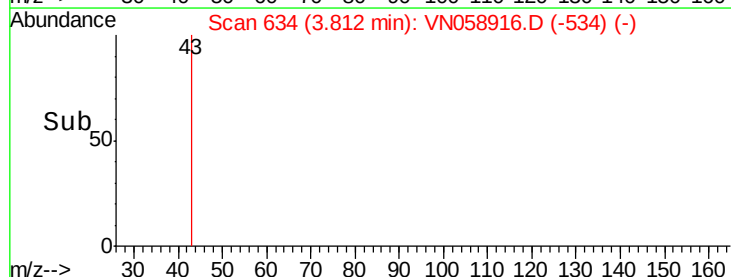
200

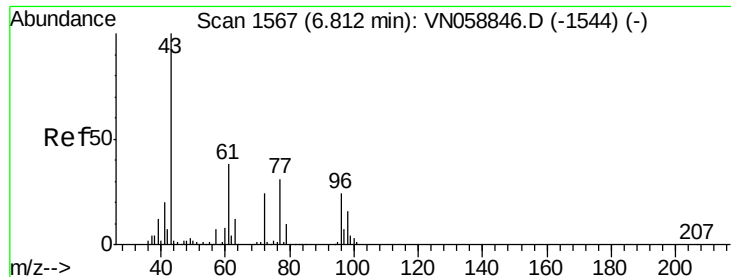
100

0

3.75 3.80 3.85

Time-->

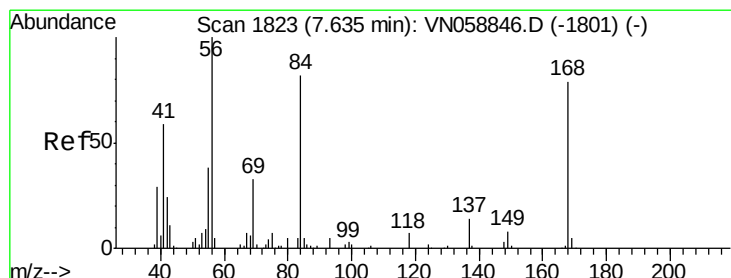
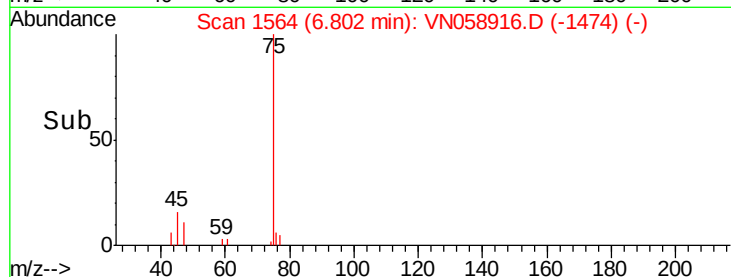
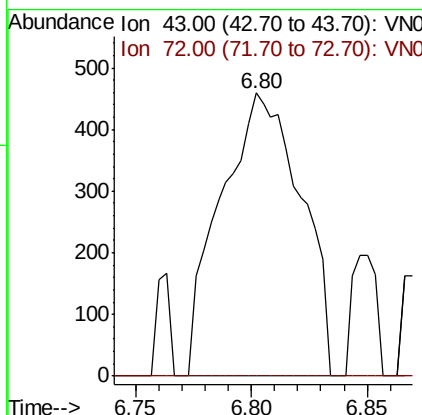
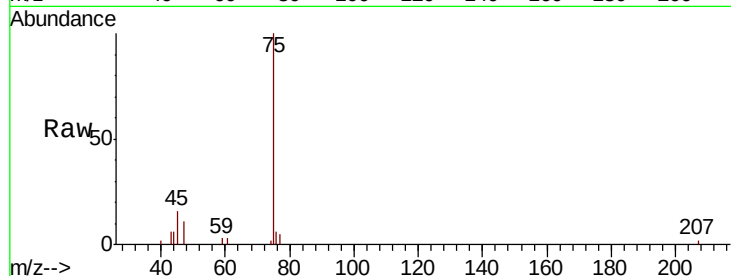




#25
2-Butanone
Concen: 0.355 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VN058916.D
Acq: 23 Oct 2019 10:12

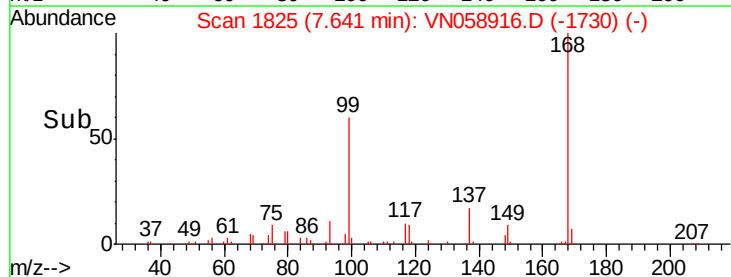
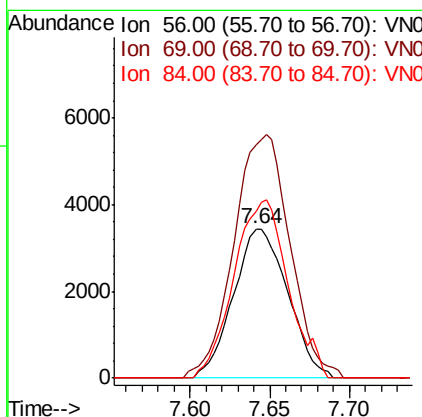
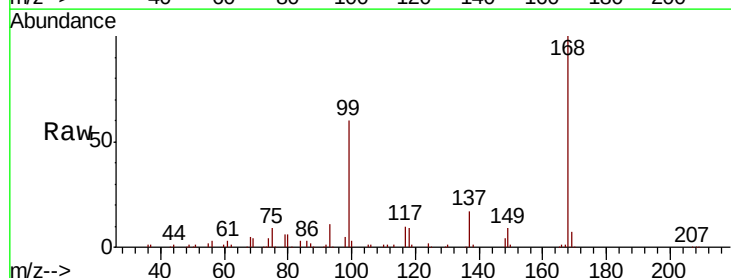
Instrument :
MSVOA_N
ClientSampled :

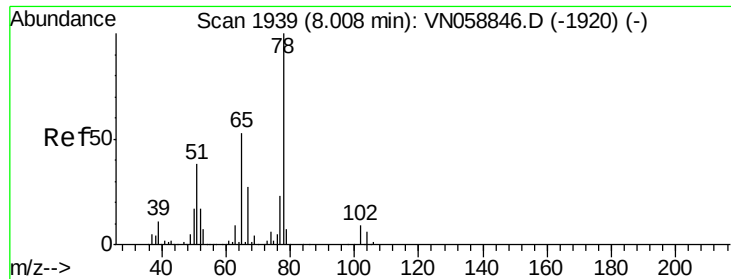
Tot Ion: 43 Resp: 1105
Ion Ratio Lower Upper
43 100
72 0.0 19.1 28.7#



#31
Cyclohexane
Concen: 1.150 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN058916.D
Acq: 23 Oct 2019 10:12

Tgt Ion: 56 Resp: 8012
Ion Ratio Lower Upper
56 100
69 150.9 26.2 39.4#
84 111.7 65.6 98.4#

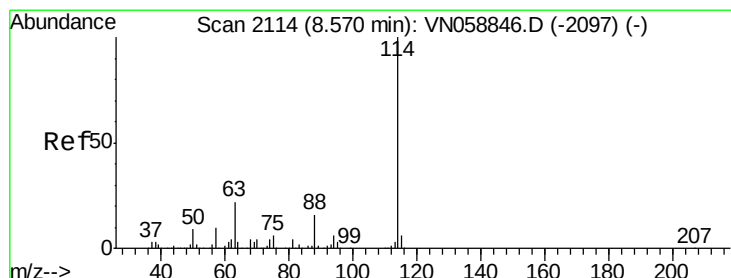
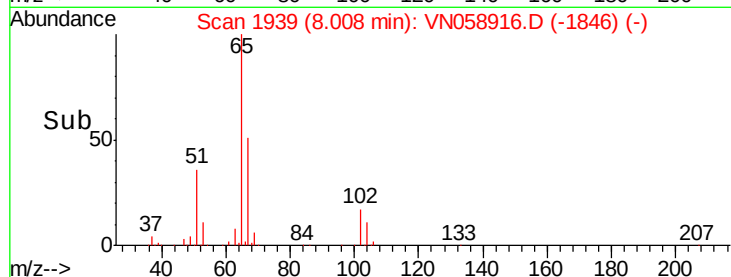
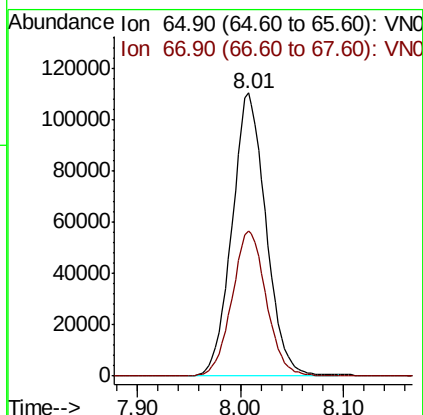
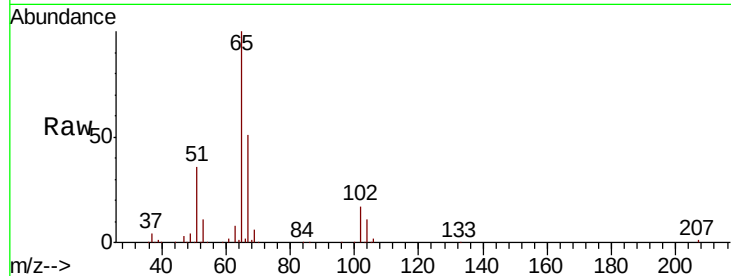




#33
 1,2-Dichloroethane-d4
 Concen: 52.095 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN058916.D
 Acq: 23 Oct 2019 10:12

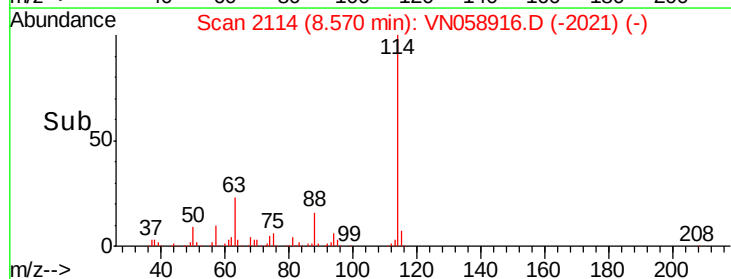
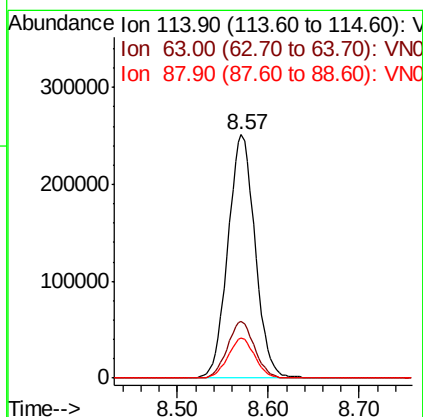
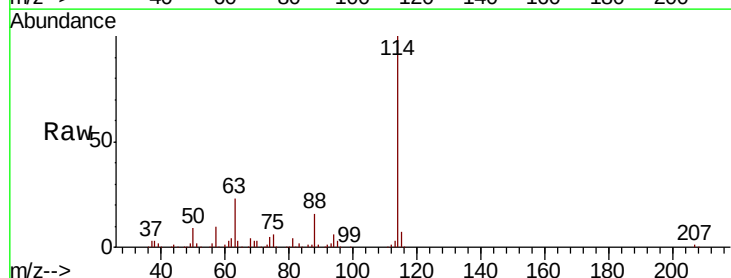
Instrument :
 MSVOA_N
 ClientSampleId :

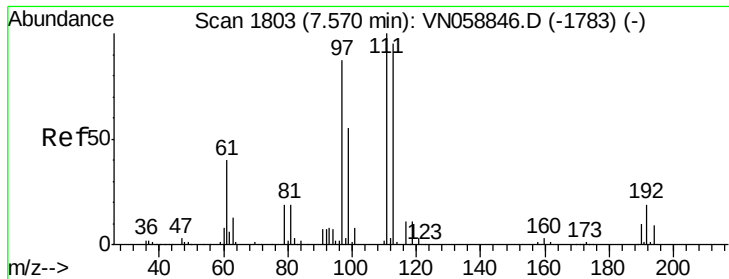
Tot Ion: 65 Resp: 252652
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058916.D
 Acq: 23 Oct 2019 10:12

Tgt Ion: 114 Resp: 521156
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 44.4
 88 16.4 0.0 31.4

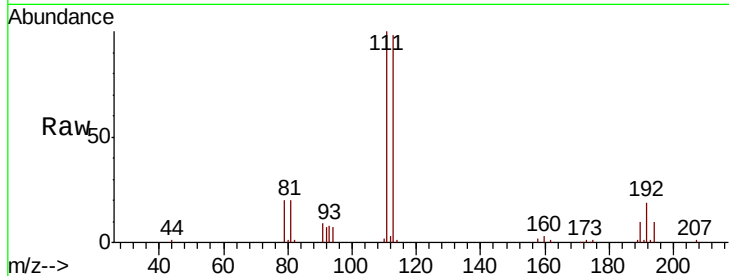




#35
 Dibromofluoromethane
 Concen: 53.178 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058916.D
 Acq: 23 Oct 2019 10:12

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.0	123.0
192	19.1	15.0	22.6

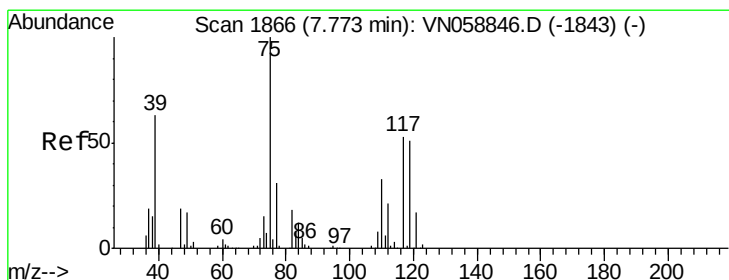
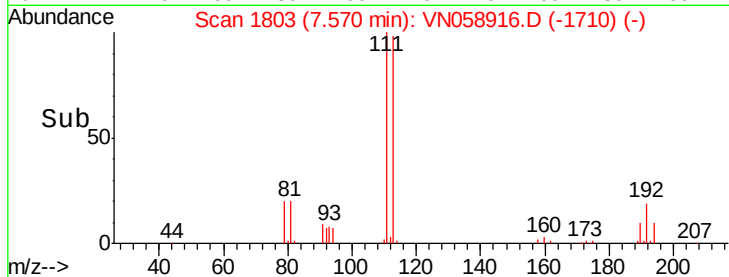
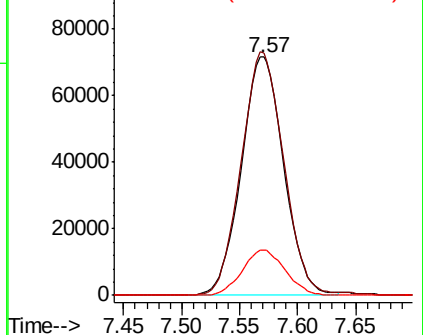


Abundance

Ion 112.80 (112.50 to 113.50): V

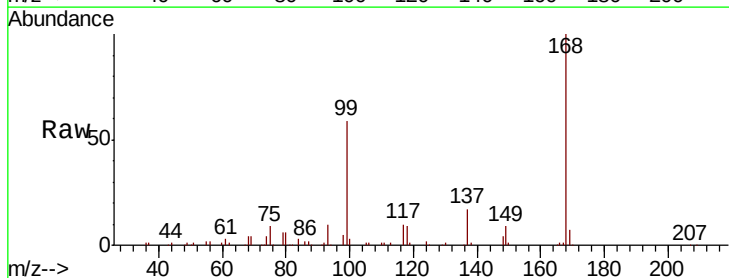
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 5.387 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN058916.D
 Acq: 23 Oct 2019 10:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.3	16.3	48.9#
77	0.0	24.6	36.8#

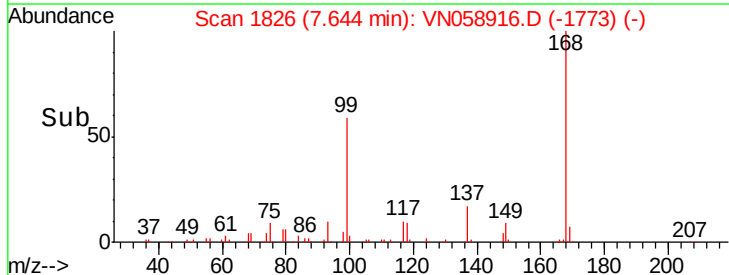
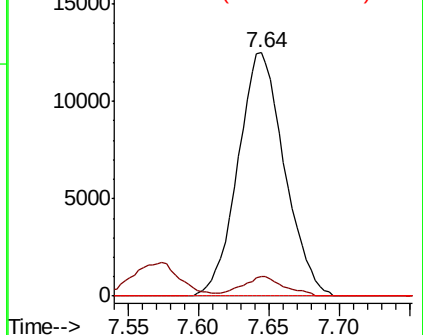


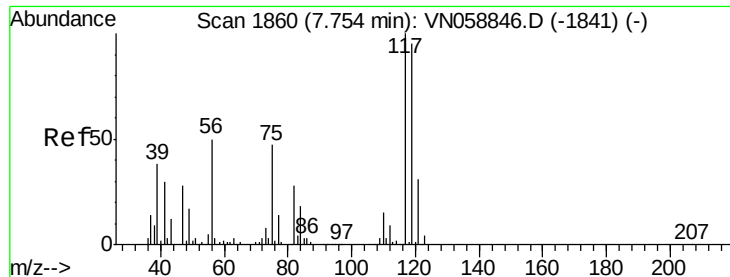
Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#38

Carbon Tetrachloride

Concen: 5.911 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN058916.D

Acq: 23 Oct 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :

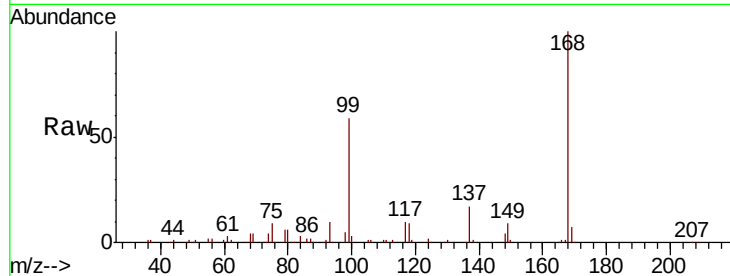
Tot Ion:117 Resp: 32489

Ion Ratio Lower Upper

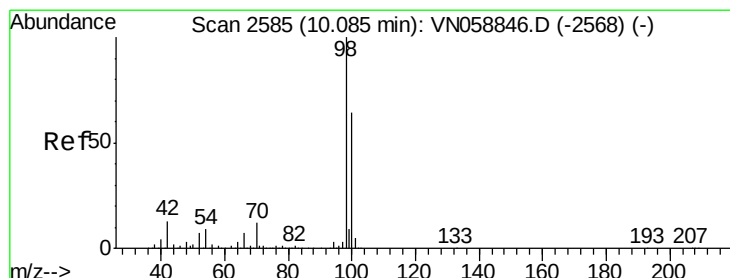
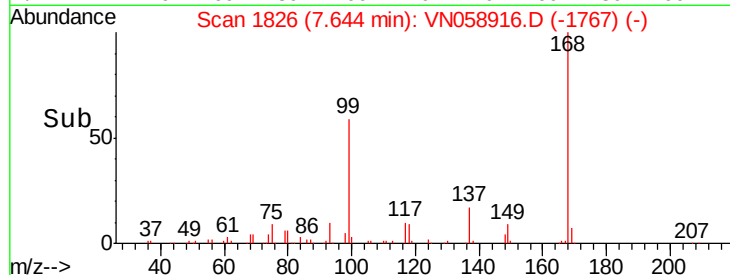
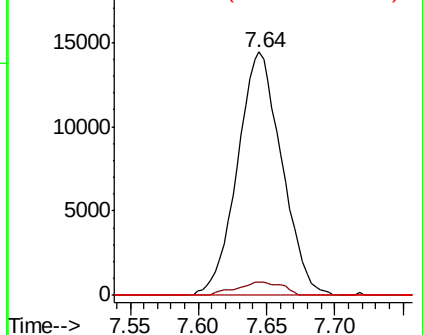
117 100

119 5.7 75.7 113.5#

121 0.0 25.0 37.6#



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: 51.373 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058916.D

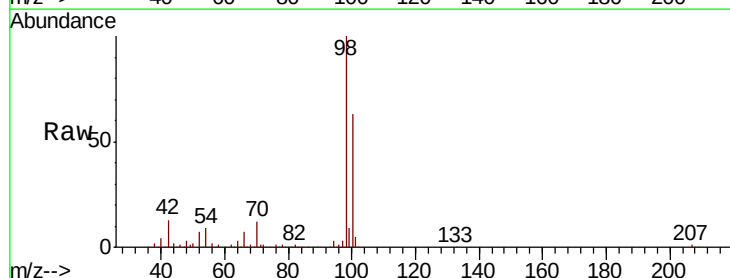
Acq: 23 Oct 2019 10:12

Tgt Ion: 98 Resp: 683314

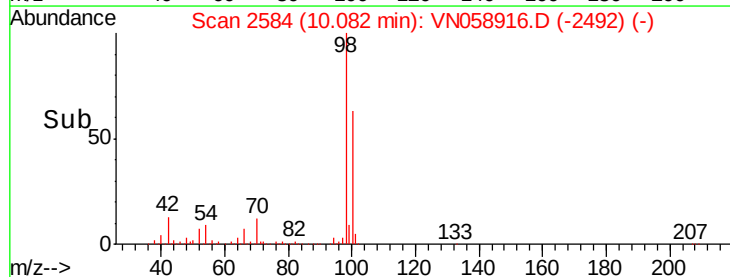
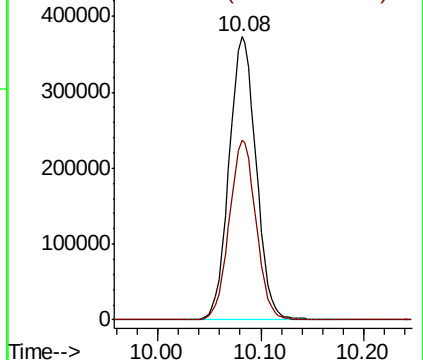
Ion Ratio Lower Upper

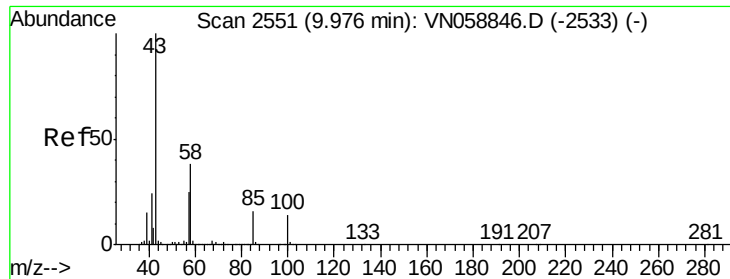
98 100

100 62.8 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.208 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.01 min

Lab File: VN058916.D

Acq: 23 Oct 2019 10:12

Instrument :

MSVOA_N

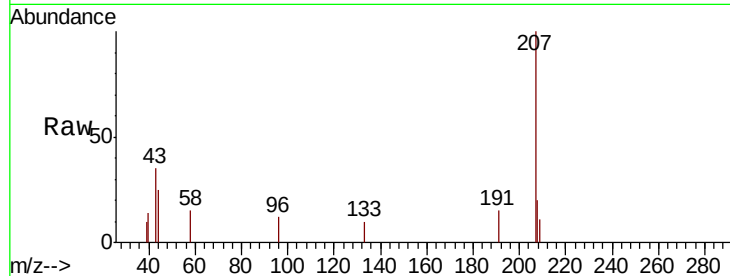
ClientSampled :

Tot Ion: 43 Resp: 1131

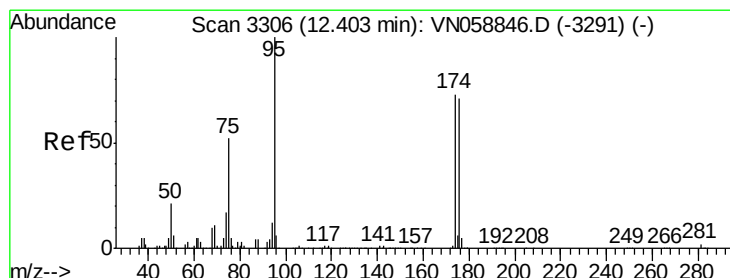
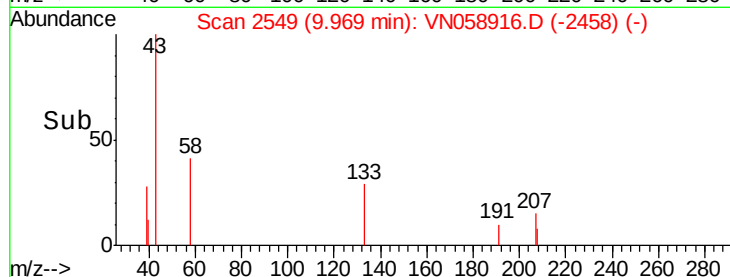
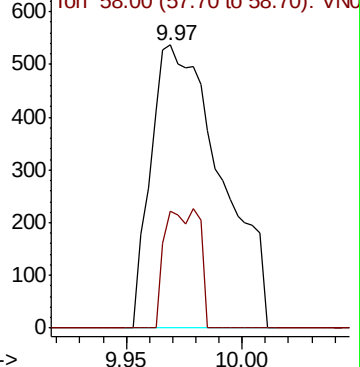
Ion Ratio Lower Upper

43 100

58 21.0 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)



#62

4-Bromofluorobenzene

Concen: 42.781 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058916.D

Acq: 23 Oct 2019 10:12

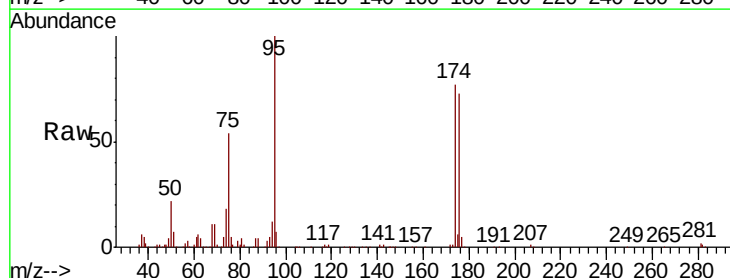
Tgt Ion: 95 Resp: 208963

Ion Ratio Lower Upper

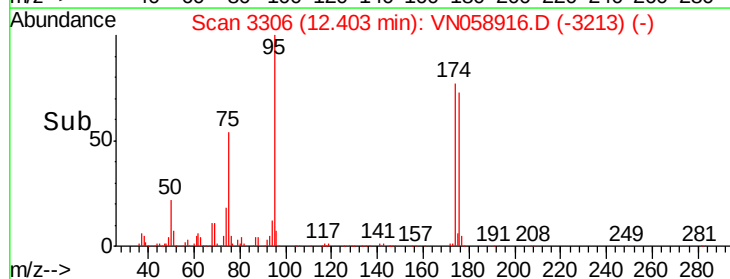
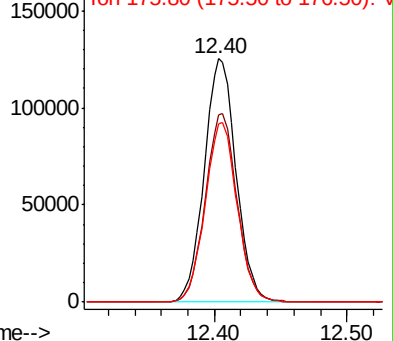
95 100

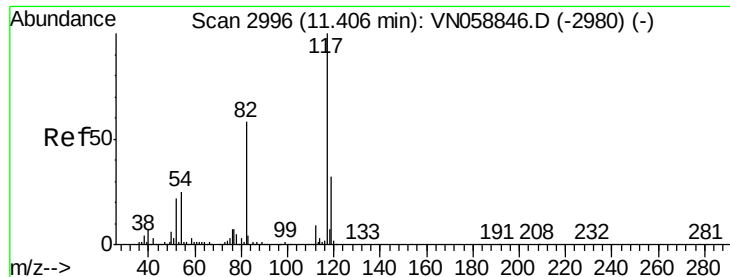
174 77.5 0.0 147.6

176 74.3 0.0 143.2



Abundance Ion 94.90 (94.60 to 95.60): VN058846.D (-3291) (-)

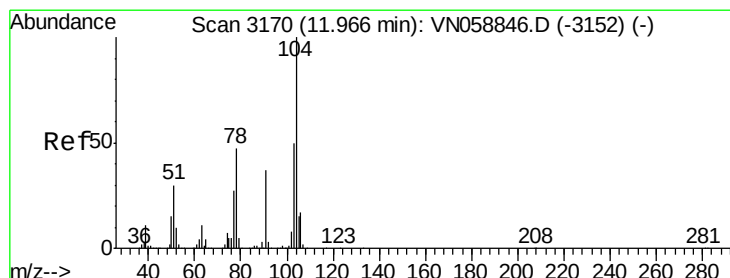
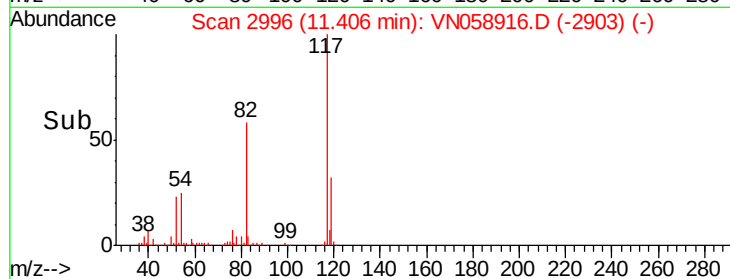
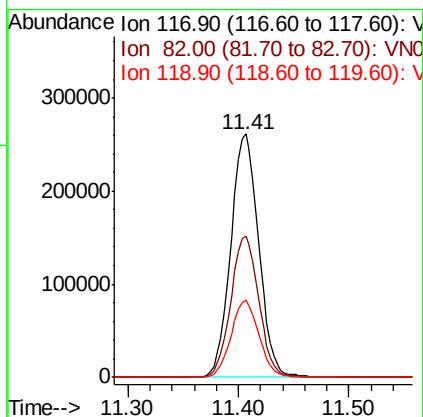
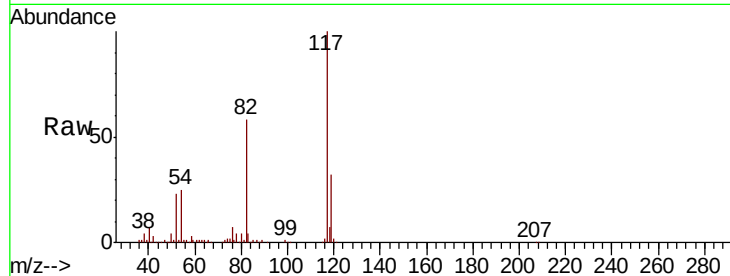




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058916.D
Acq: 23 Oct 2019 10:12

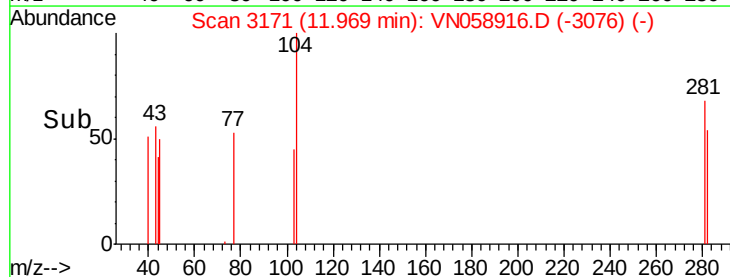
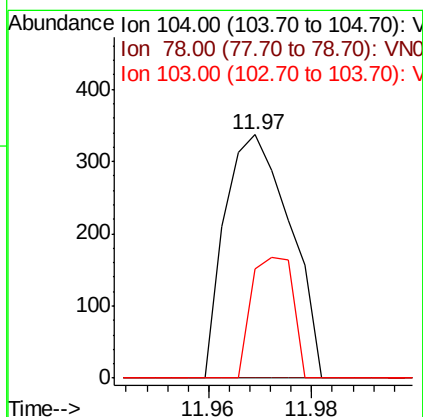
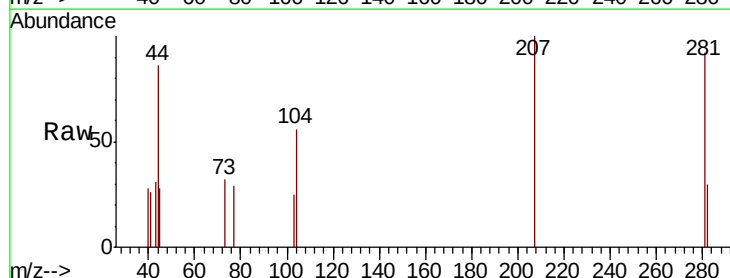
Instrument :
MSVOA_N
ClientSampleId :

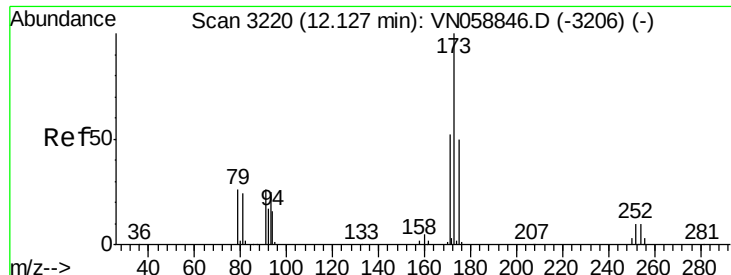
Tot Ion:117 Resp: 459242
Ion Ratio Lower Upper
117 100
82 58.0 46.6 69.8
119 31.6 25.6 38.4



#70
Styrene
Concen: 1.740 ug/l
RT: 11.97 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN058916.D
Acq: 23 Oct 2019 10:12

Tgt Ion:104 Resp: 294
Ion Ratio Lower Upper
104 100
78 0.0 42.8 64.2#
103 31.6 44.3 66.5#





#71

Bromoform

Concen: 0.403 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN058916.D

Acq: 23 Oct 2019 10:12

Instrument :

MSVOA_N

ClientSampled :

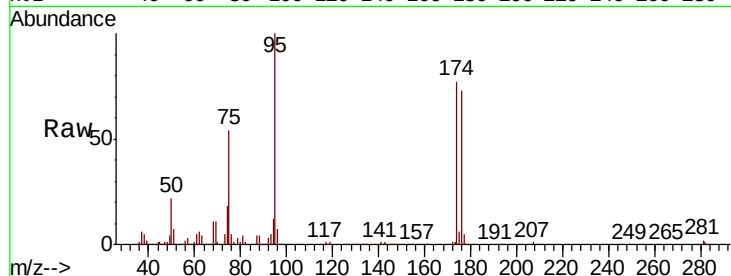
Tot Ion:173 Resp: 1102

Ion Ratio Lower Upper

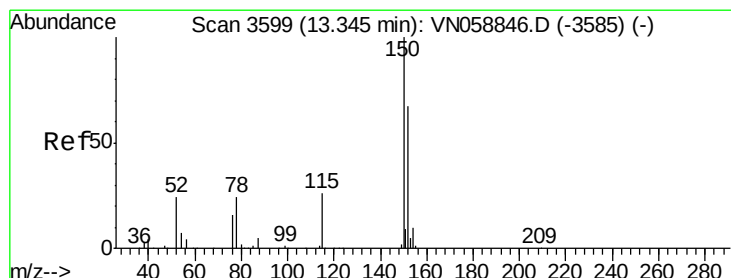
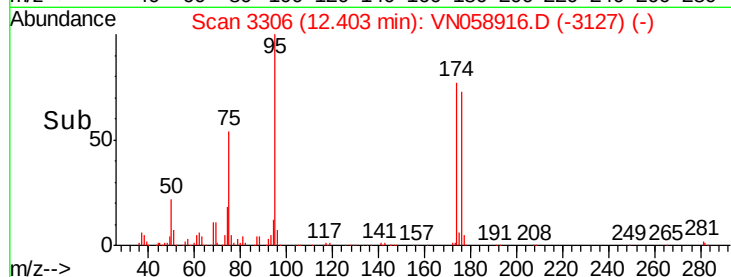
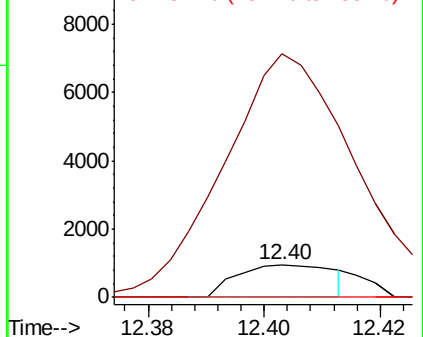
173 100

175 833.1 24.7 74.1#

254 0.0 0.0 0.0



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# 3600

Delta R.T. 0.00 min

Lab File: VN058916.D

Acq: 23 Oct 2019 10:12

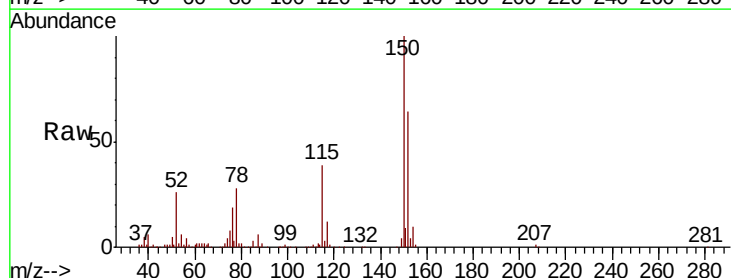
Tgt Ion:152 Resp: 167964

Ion Ratio Lower Upper

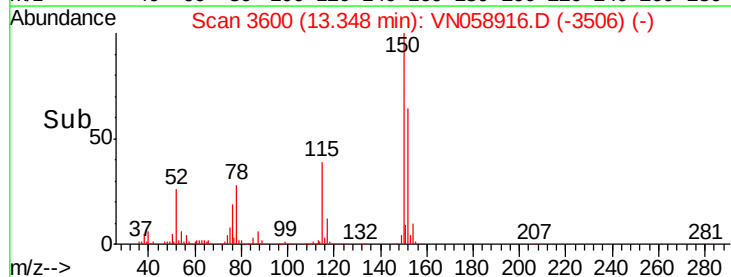
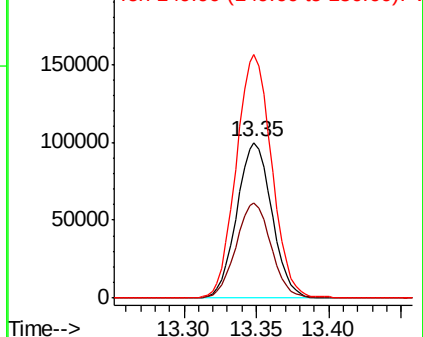
152 100

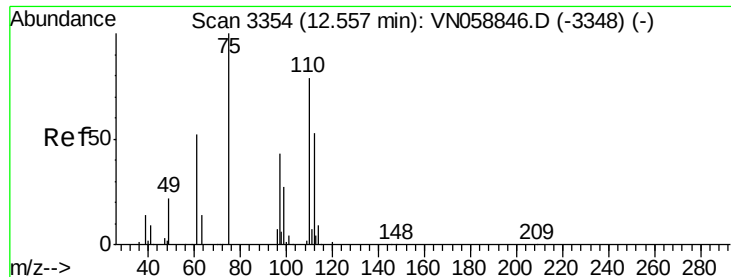
115 61.3 30.5 91.5

150 158.6 0.0 344.4



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: 29.065 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058916.D

Acq: 23 Oct 2019 10:12

Instrument :

MSVOA_N

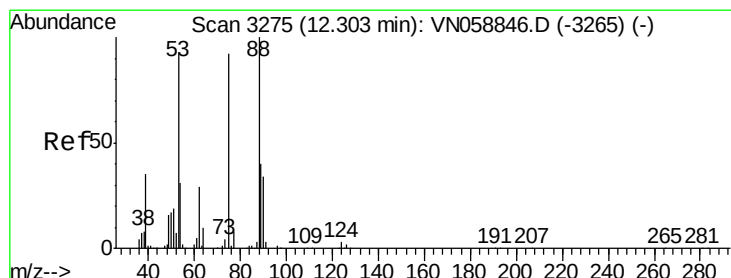
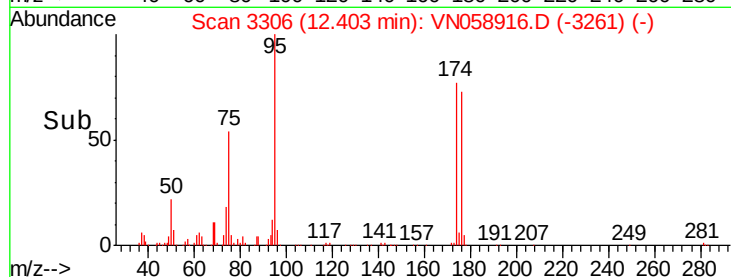
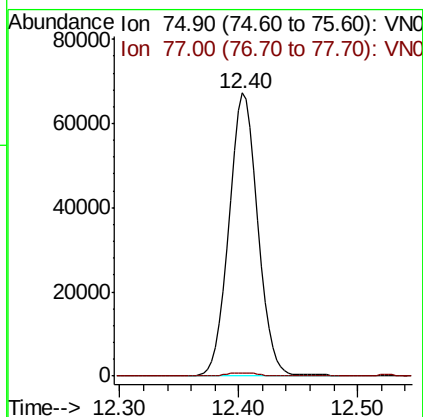
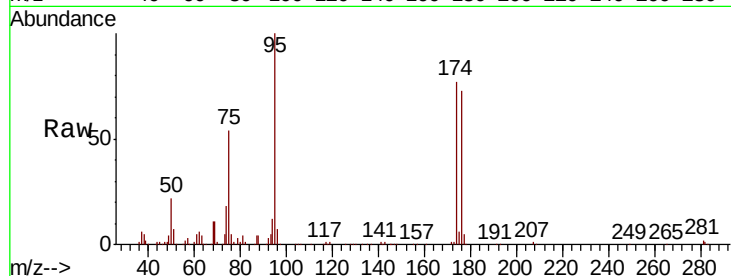
ClientSampleId :

Tot Ion: 75 Resp: 113144

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.717 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058916.D

Acq: 23 Oct 2019 10:12

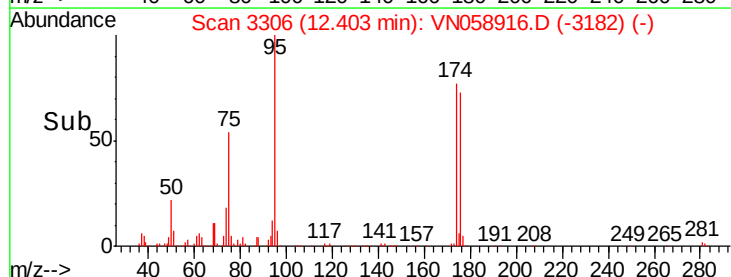
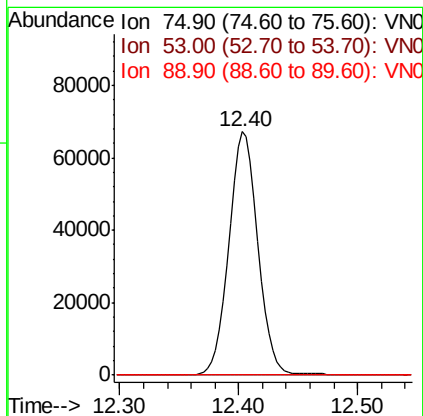
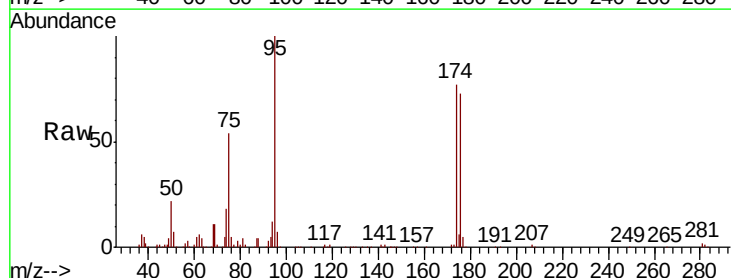
Tgt Ion: 75 Resp: 113144

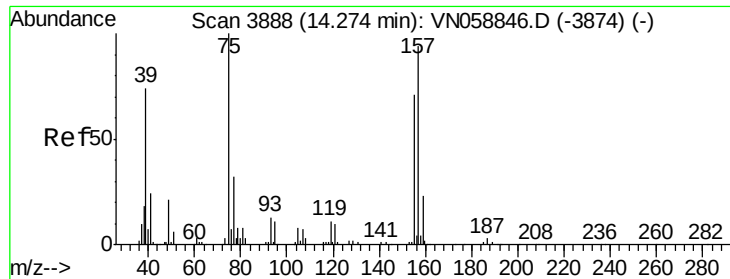
Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

89 0.0 35.4 53.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.222 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.01 min

Lab File: VN058916.D

Acq: 23 Oct 2019 10:12

Instrument :

MSVOA_N

ClientSampled :

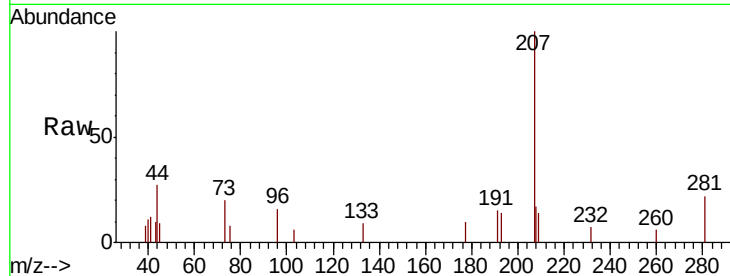
Tot Ion: 75 Resp: 217

Ion Ratio Lower Upper

75 100

155 0.0 35.6 106.8#

157 0.0 47.4 142.2#

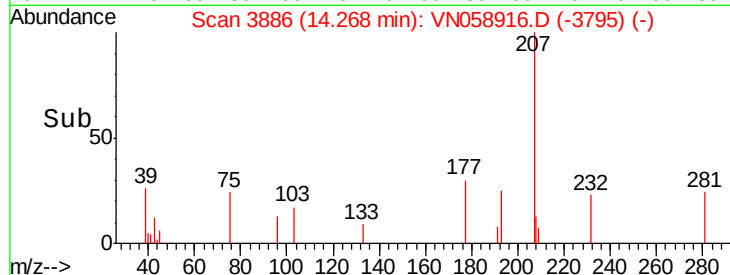


Abundance Ion 74.90 (74.60 to 75.60): VN058846.D (-3874) (-)

Ion 154.80 (154.50 to 155.50): VN058846.D (-3874) (-)

Ion 156.80 (156.50 to 157.50): VN058846.D (-3874) (-)

Time-->

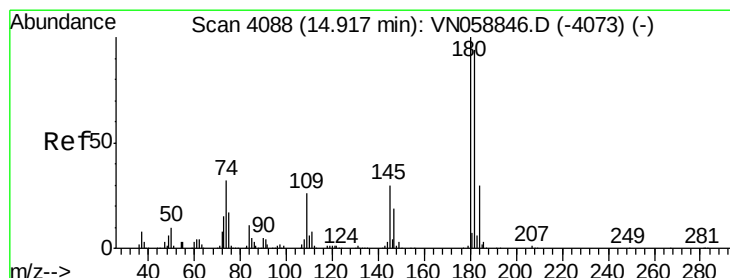


Abundance Ion 74.90 (74.60 to 75.60): VN058916.D (-3795) (-)

Ion 154.80 (154.50 to 155.50): VN058916.D (-3795) (-)

Ion 156.80 (156.50 to 157.50): VN058916.D (-3795) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 2.807 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. -0.00 min

Lab File: VN058916.D

Acq: 23 Oct 2019 10:12

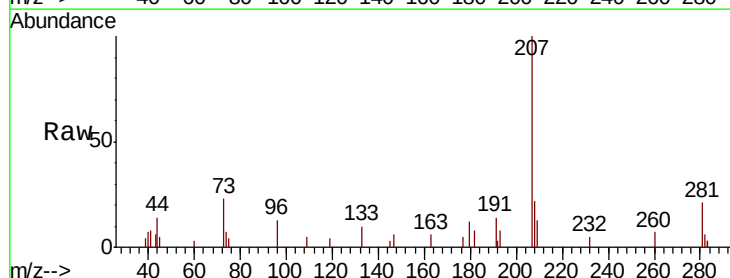
Tgt Ion: 180 Resp: 1010

Ion Ratio Lower Upper

180 100

182 81.2 47.3 142.0

145 16.3 15.3 45.8

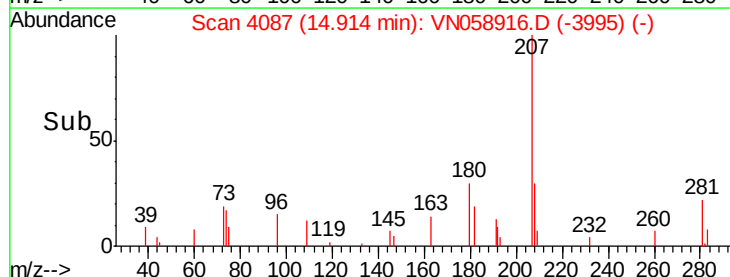


Abundance Ion 179.80 (179.50 to 180.50): VN058846.D (-4073) (-)

Ion 181.80 (181.50 to 182.50): VN058846.D (-4073) (-)

Ion 144.80 (144.50 to 145.50): VN058846.D (-4073) (-)

Time-->

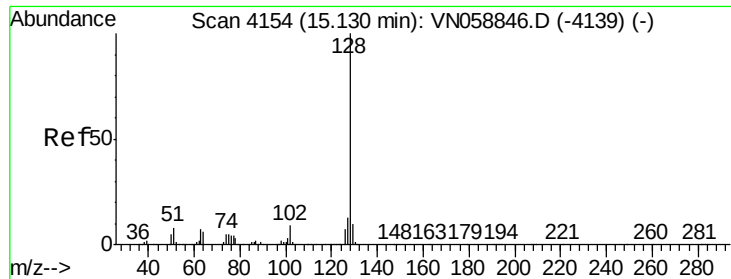


Abundance Ion 179.80 (179.50 to 180.50): VN058916.D (-3995) (-)

Ion 181.80 (181.50 to 182.50): VN058916.D (-3995) (-)

Ion 144.80 (144.50 to 145.50): VN058916.D (-3995) (-)

Time-->



#95

Naphthalene

Concen: 2.635 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058916.D

Acq: 23 Oct 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

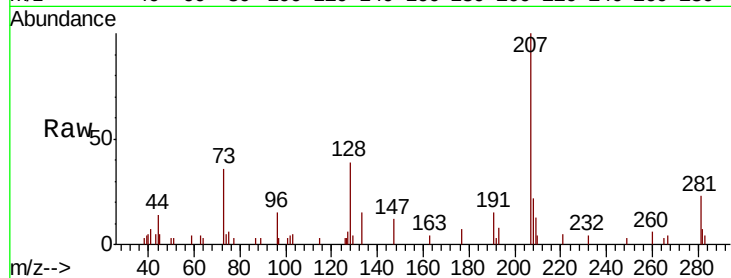
Tot Ion:128 Resp: 4126

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.2

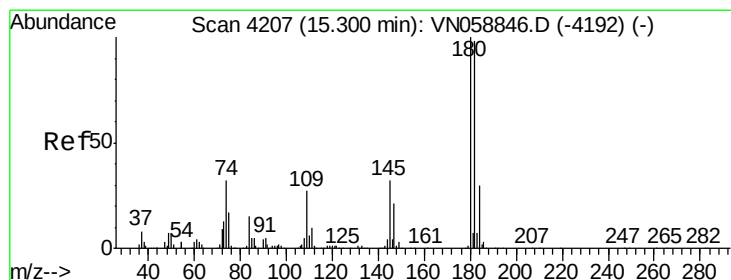
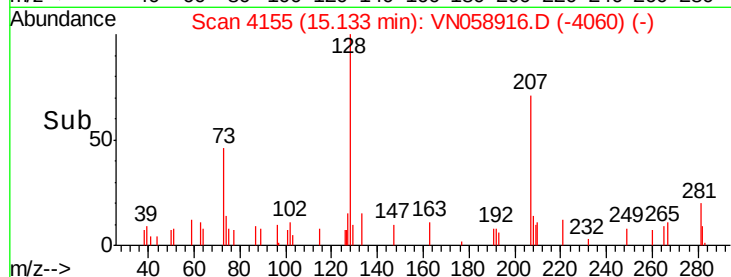
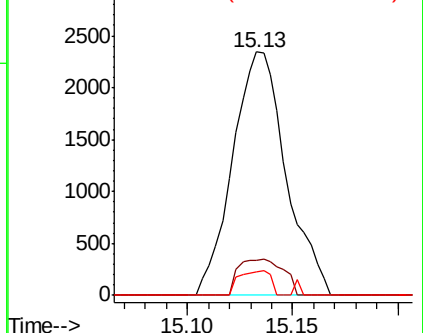
129 5.9 8.4 12.6#



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: 2.916 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058916.D

Acq: 23 Oct 2019 10:12

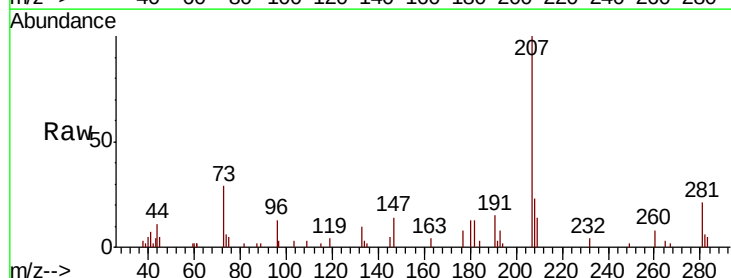
Tgt Ion:180 Resp: 1786

Ion Ratio Lower Upper

180 100

182 82.6 47.9 143.7

145 29.3 15.9 47.7



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

