

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091219\
 Data File : VN057934.D
 Acq On : 11 Sep 2019 19:26
 Operator : JC/SP
 Sample : K4818-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-091019-01

Quant Time: Sep 12 02:31:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

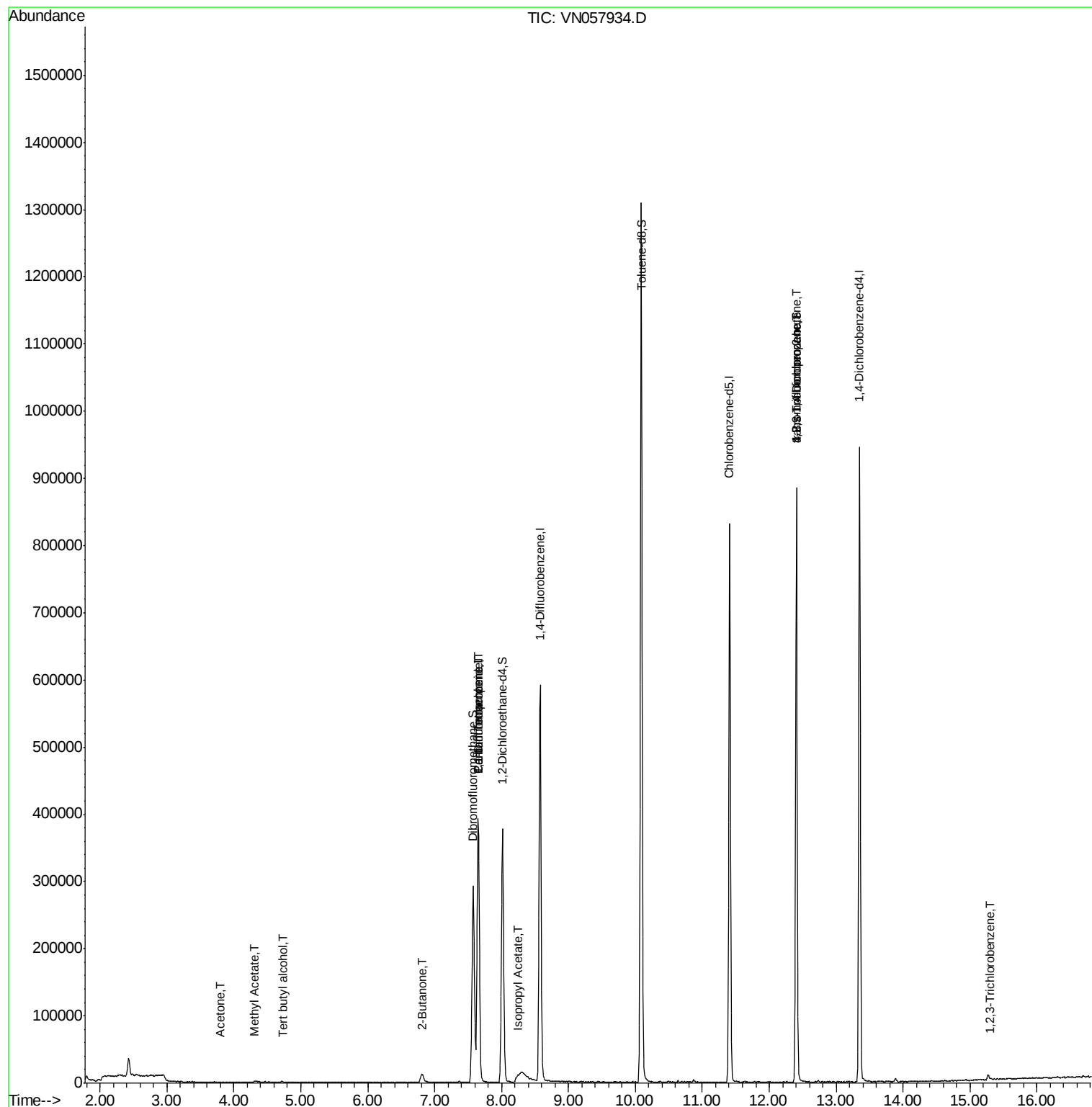
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	304434	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	501261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	454924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	237733	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	320563	51.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.98%	
35) Dibromofluoromethane	7.58	113	220560	47.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.34%	
50) Toluene-d8	10.09	98	891266	49.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	12.41	95	290576	42.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.90%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.54	94	243	Below Cal	#	27
11) Tert butyl alcohol	4.72	59	974	1.305	ug/l #	72
16) Acetone	3.80	43	555	0.275	ug/l #	47
18) Methyl Acetate	4.31	43	1905	0.353	ug/l #	77
20) Methylene Chloride	4.53	84	320	Below Cal	#	48
25) 2-Butanone	6.81	43	999	0.341	ug/l #	49
31) Cyclohexane	7.65	56	8067	Below Cal	#	1
36) 1,1-Dichloropropene	7.65	75	27086	4.659	ug/l #	50
38) Carbon Tetrachloride	7.65	117	31119	5.863	ug/l #	16
43) Isopropyl Acetate	8.25	43	9213	0.912	ug/l #	56
76) 1,2,3-Trichloropropane	12.41	75	161871	30.099	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	161871	105.919	ug/l #	6
95) Naphthalene	15.14	128	1604	Below Cal	#	72
96) 1,2,3-Trichlorobenzene	15.30	180	462	1.092	ug/l #	48

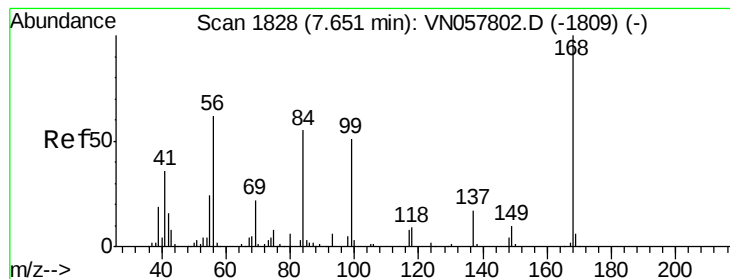
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN091219\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057934.D

Acq: 11 Sep 2019 19:26

Instrument :

MSVOA_N

ClientSampled :

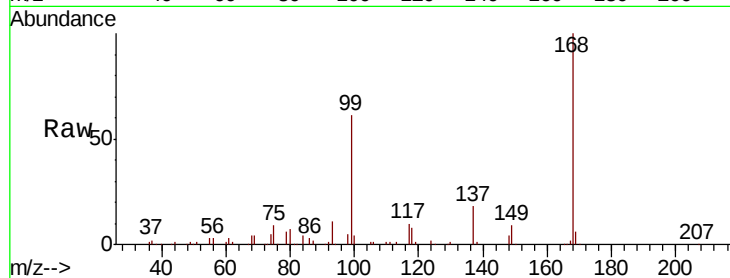
TB-091019-01

Tgt Ion:168 Resp: 304434

Ion Ratio Lower Upper

168 100

99 60.7 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

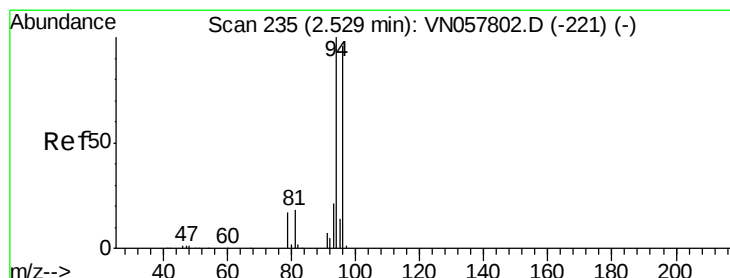
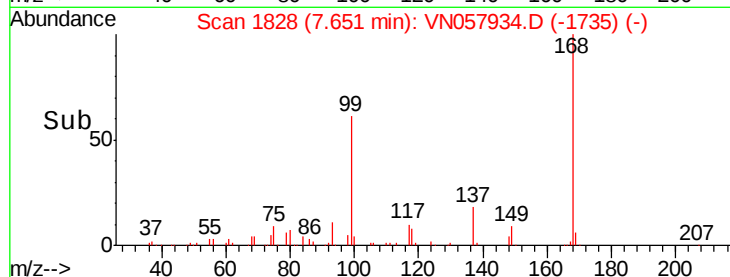
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN057934.D

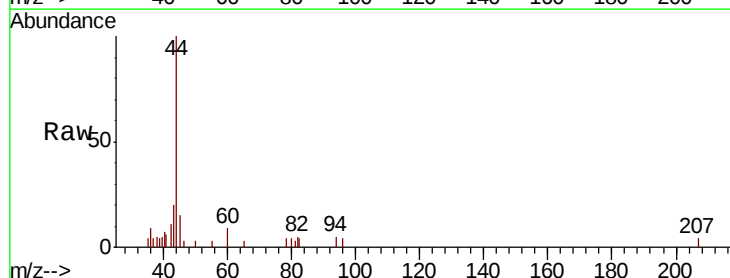
Acq: 11 Sep 2019 19:26

Tgt Ion: 94 Resp: 243

Ion Ratio Lower Upper

94 100

96 24.7 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.54

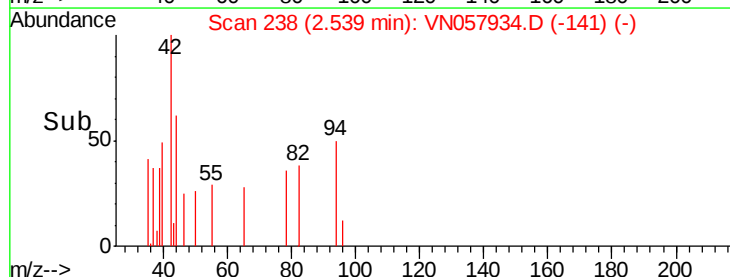
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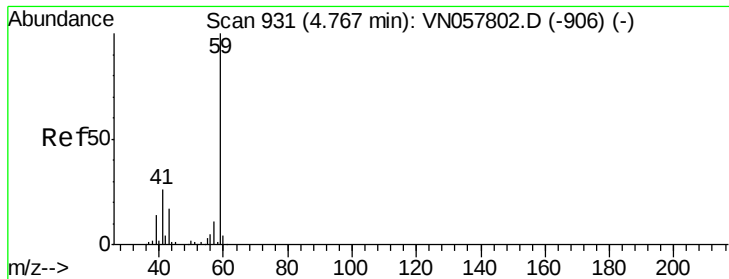
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100

0

Time-->

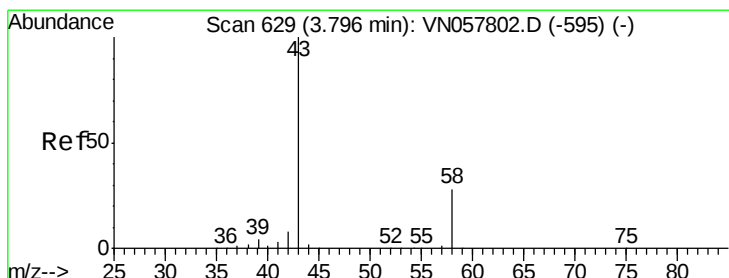
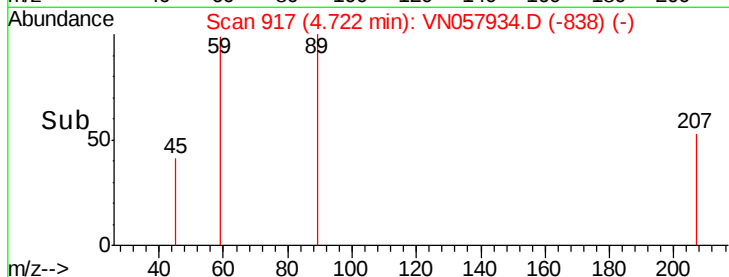
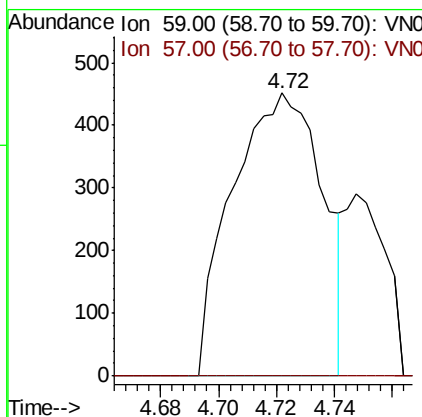
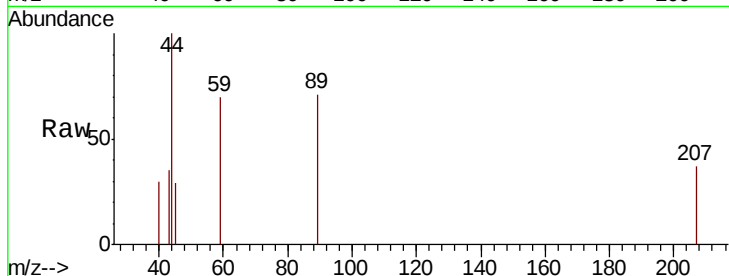




#11
Tert butyl alcohol
Concen: 1.305 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.04 min
Lab File: VN057934.D
Acq: 11 Sep 2019 19:26

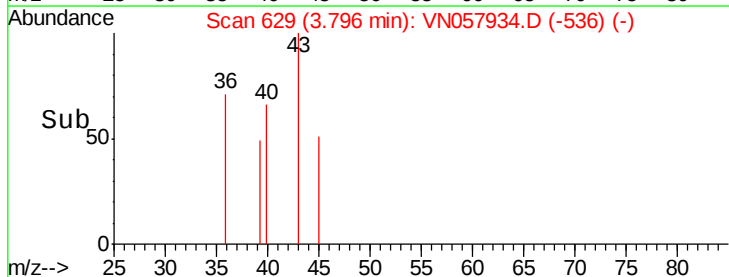
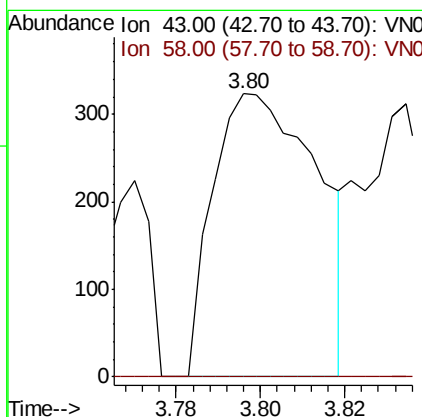
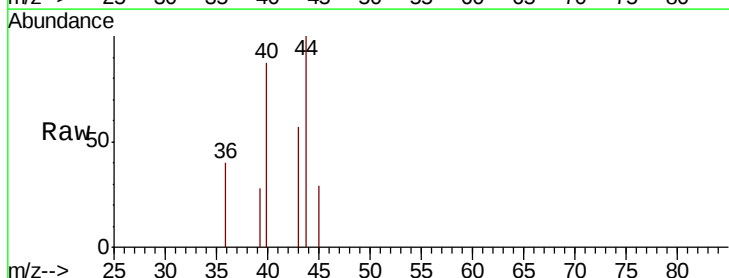
Instrument :
MSVOA_N
ClientSampleId :
TB-091019-01

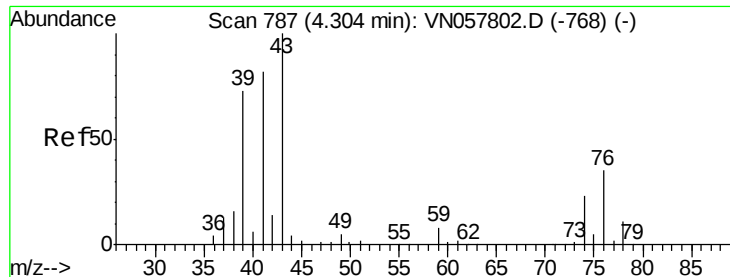
Tgt Ion: 59 Resp: 974
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#16
Acetone
Concen: 0.275 ug/l
RT: 3.80 min Scan# 629
Delta R.T. 0.00 min
Lab File: VN057934.D
Acq: 11 Sep 2019 19:26

Tgt Ion: 43 Resp: 555
Ion Ratio Lower Upper
43 100
58 0.0 22.2 33.2#

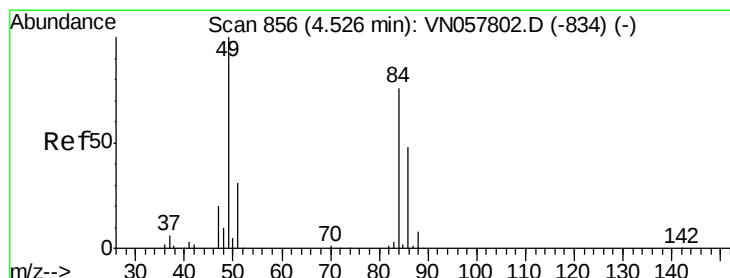
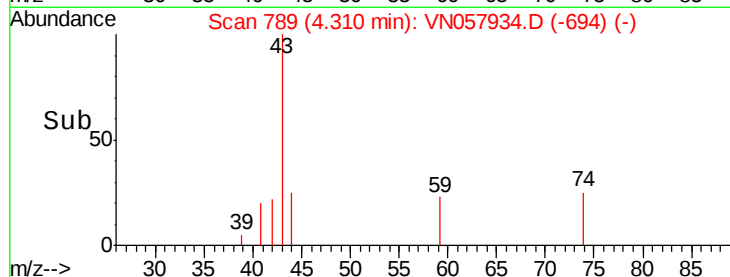
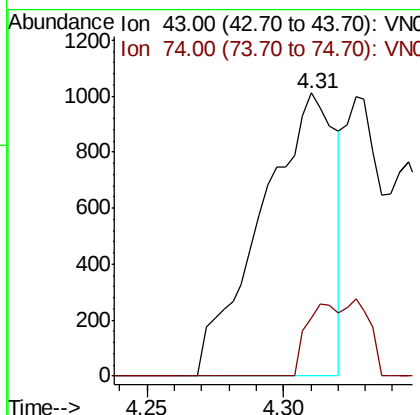
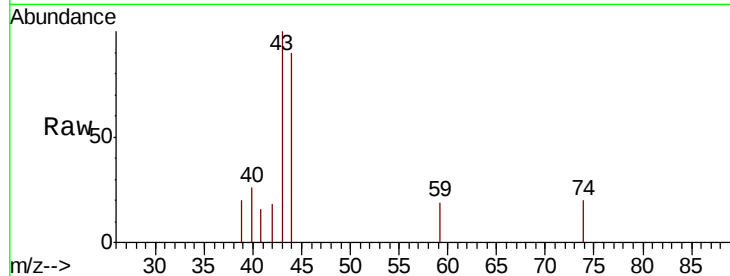




#18
Methyl Acetate
Concen: 0.353 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN057934.D
Acq: 11 Sep 2019 19:26

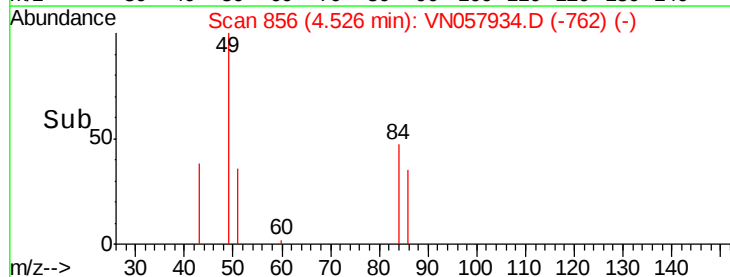
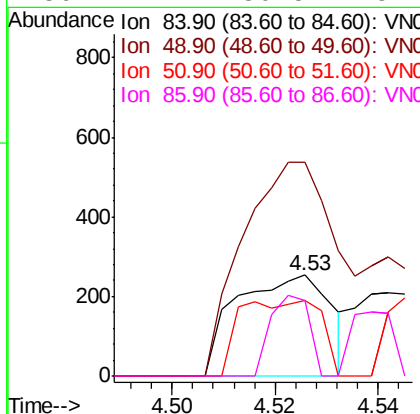
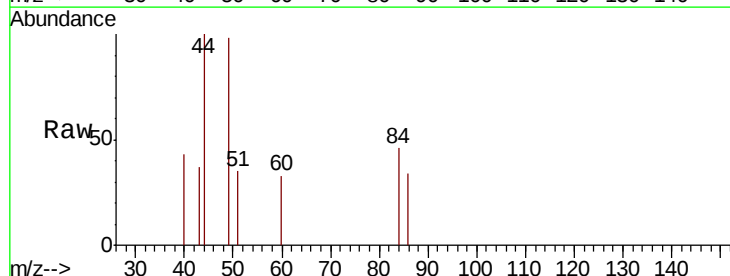
Instrument :
MSVOA_N
ClientSampleId :
TB-091019-01

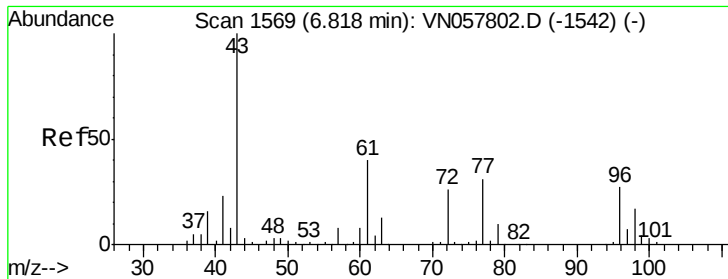
Tgt Ion: 43 Resp: 1905
Ion Ratio Lower Upper
43 100
74 11.2 17.9 26.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057934.D
Acq: 11 Sep 2019 19:26

Tgt Ion: 84 Resp: 320
Ion Ratio Lower Upper
84 100
49 211.4 104.8 157.2#
51 75.2 33.0 49.4#
86 74.4 50.5 75.7

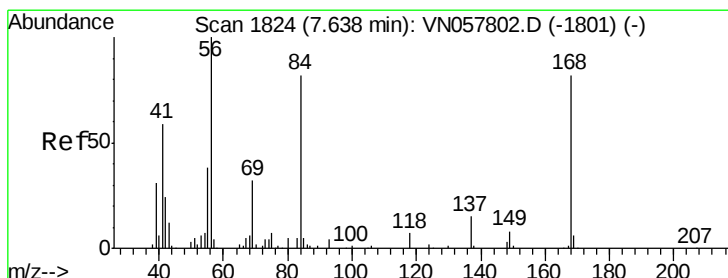
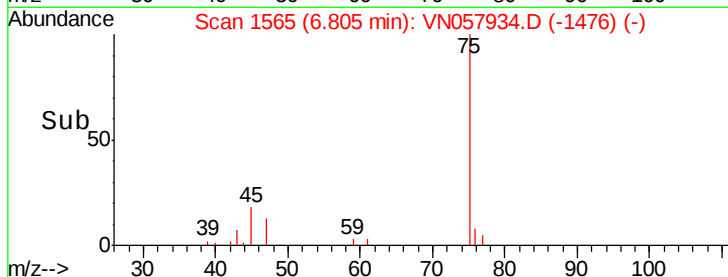
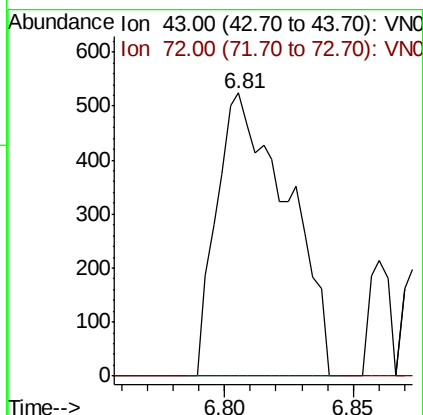
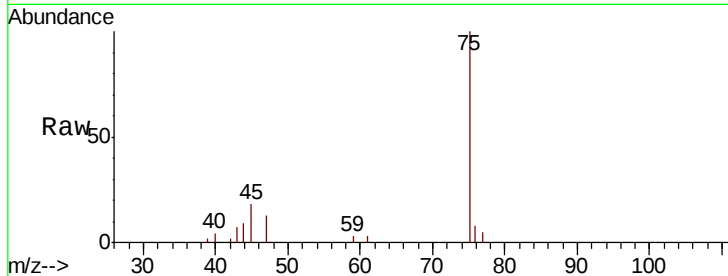




#25
2-Butanone
Concen: 0.341 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VN057934.D
Acq: 11 Sep 2019 19:26

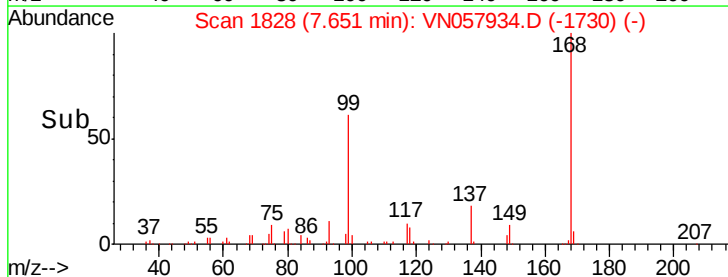
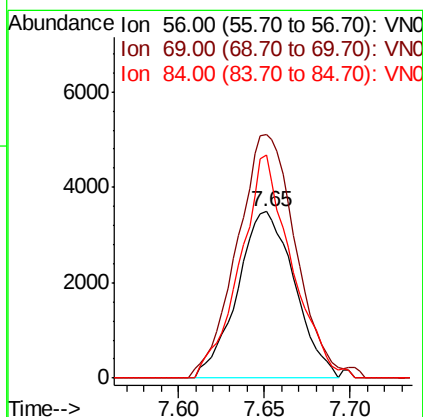
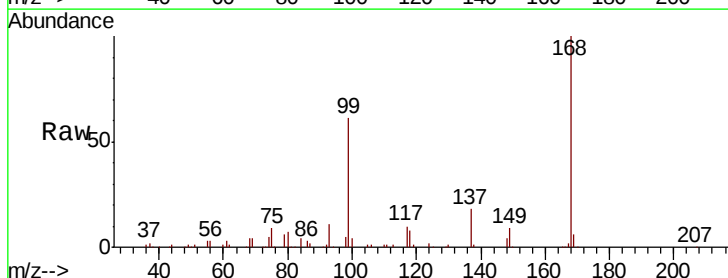
Instrument :
MSVOA_N
ClientSampled :
TB-091019-01

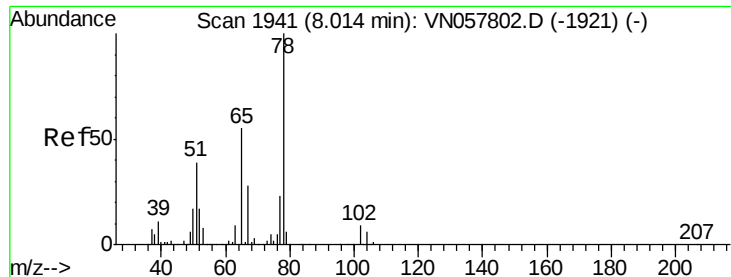
Tgt Ion: 43 Resp: 999
Ion Ratio Lower Upper
43 100
72 0.0 20.6 30.8#



#31
Cyclohexane
Concen: Below Cal
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN057934.D
Acq: 11 Sep 2019 19:26

Tgt Ion: 56 Resp: 8067
Ion Ratio Lower Upper
56 100
69 146.4 25.9 38.9#
84 134.3 65.6 98.4#

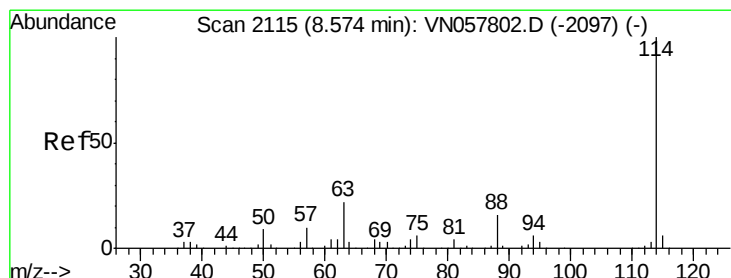
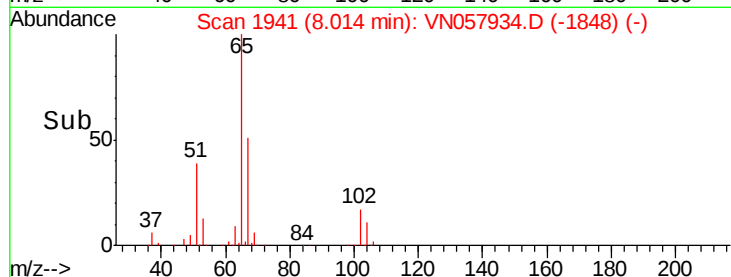
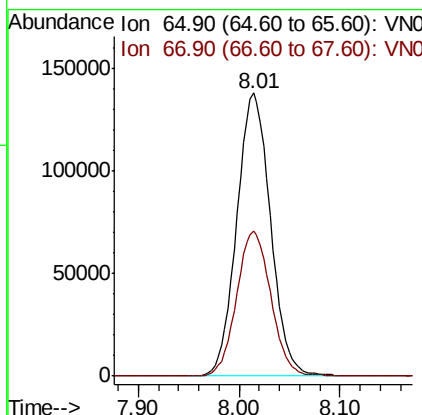
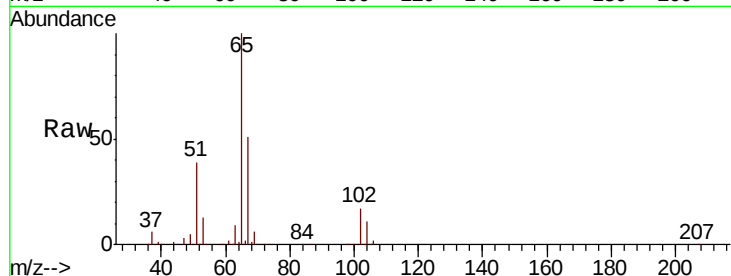




#33
 1,2-Dichloroethane-d4
 Concen: 51.988 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057934.D
 Acq: 11 Sep 2019 19:26

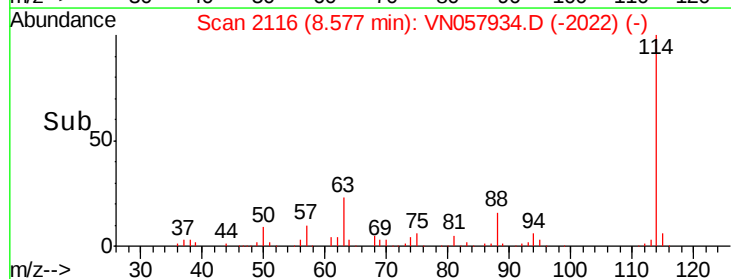
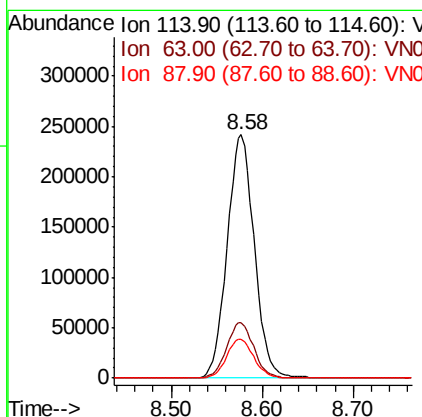
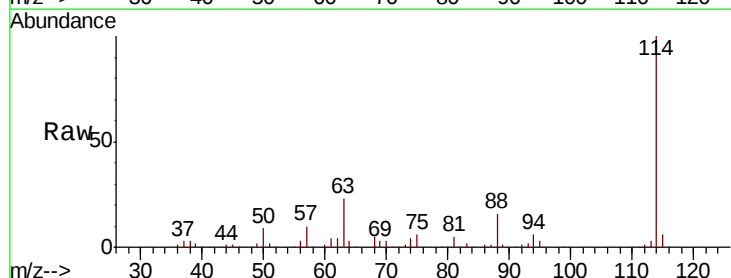
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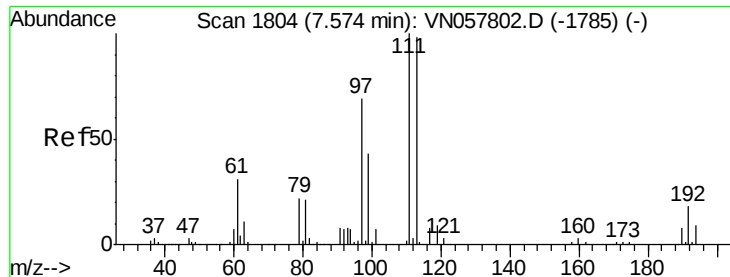
Tgt Ion: 65 Resp: 320563
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057934.D
 Acq: 11 Sep 2019 19:26

Tgt Ion: 114 Resp: 501261
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 44.0
 88 16.1 0.0 31.4

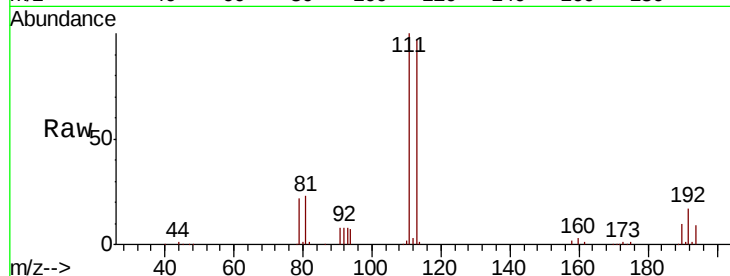




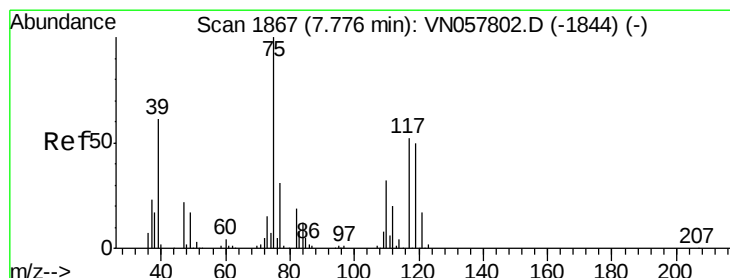
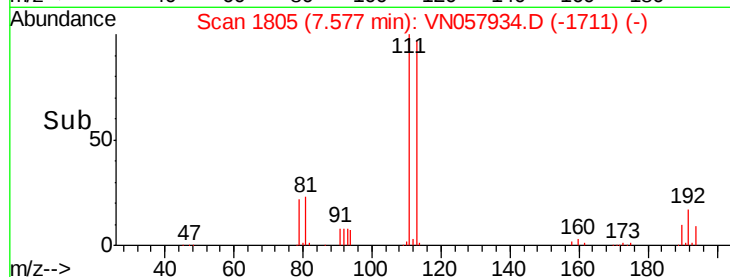
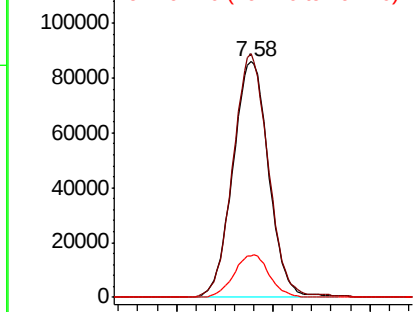
#35
 Dibromofluoromethane
 Concen: 47.674 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057934.D
 Acq: 11 Sep 2019 19:26

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-091019-01

Tgt Ion: 113 Resp: 220560
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.3 121.9
 192 17.9 14.6 22.0

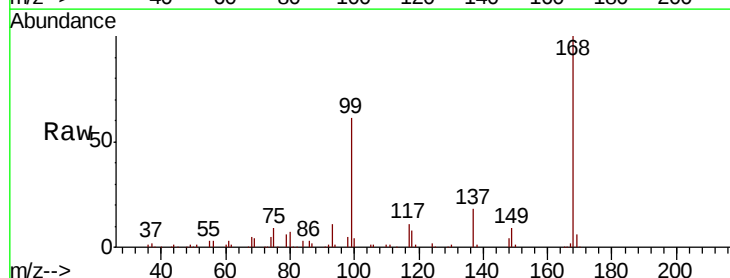


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

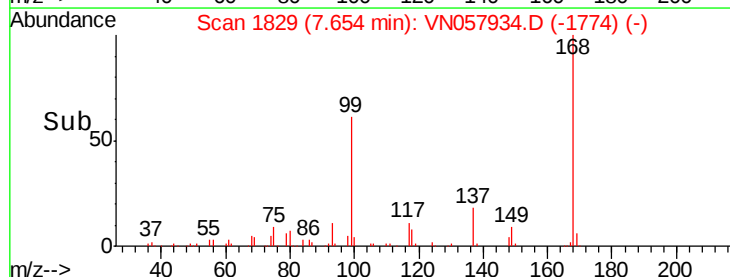
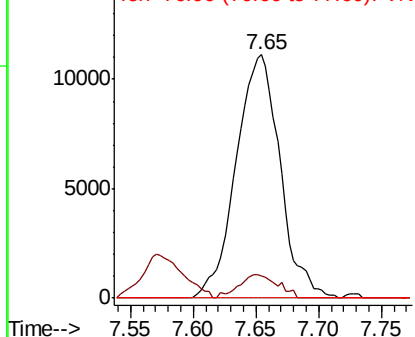


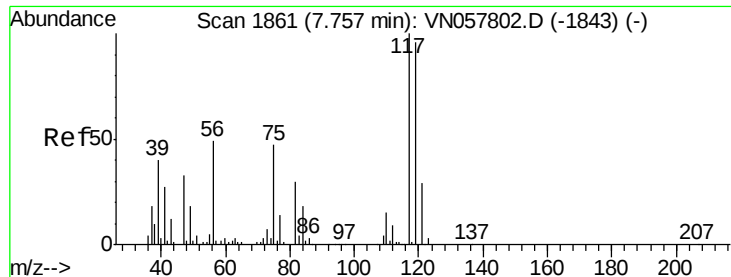
#36
 1,1-Dichloropropene
 Concen: 4.659 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN057934.D
 Acq: 11 Sep 2019 19:26

Tgt Ion: 75 Resp: 27086
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.3 48.9#
 77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.863 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.10 min

Lab File: VN057934.D

Acq: 11 Sep 2019 19:26

Instrument :

MSVOA_N

ClientSampled :

TB-091019-01

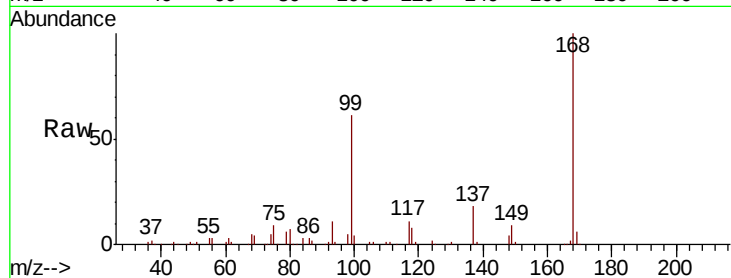
Tgt Ion:117 Resp: 31119

Ion Ratio Lower Upper

117 100

119 5.3 76.9 115.3#

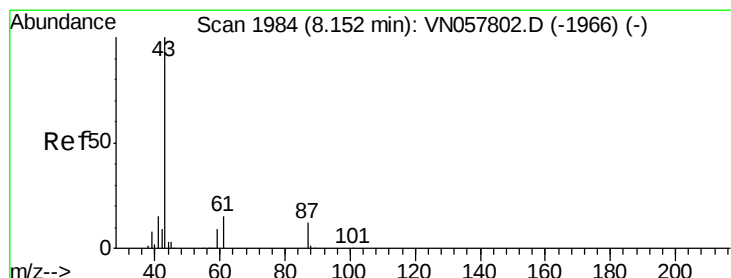
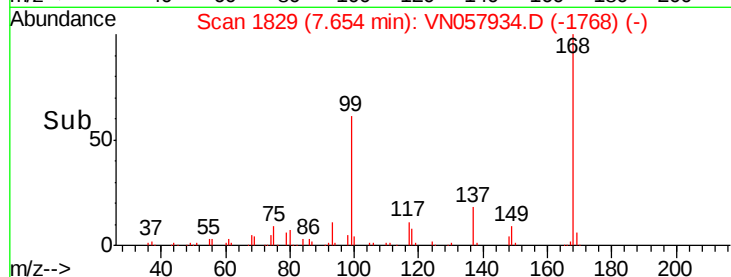
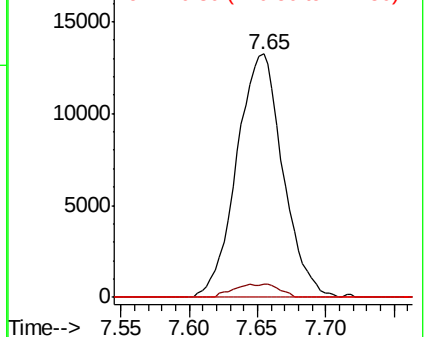
121 0.0 23.4 35.2#



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



#43

Isopropyl Acetate

Concen: 0.912 ug/l

RT: 8.25 min Scan# 2013

Delta R.T. 0.09 min

Lab File: VN057934.D

Acq: 11 Sep 2019 19:26

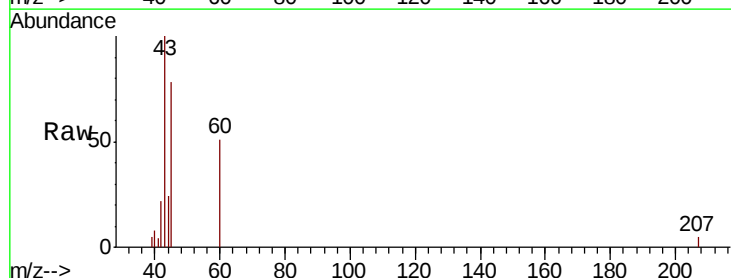
Tgt Ion: 43 Resp: 9213

Ion Ratio Lower Upper

43 100

61 0.0 20.1 30.1#

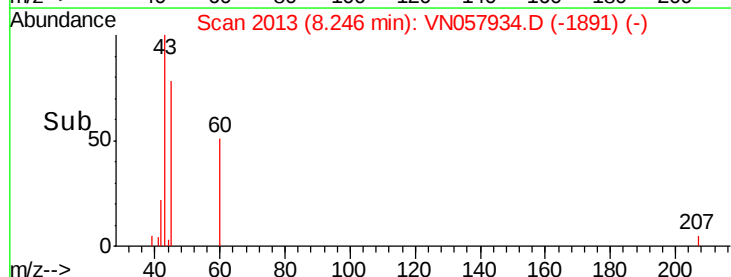
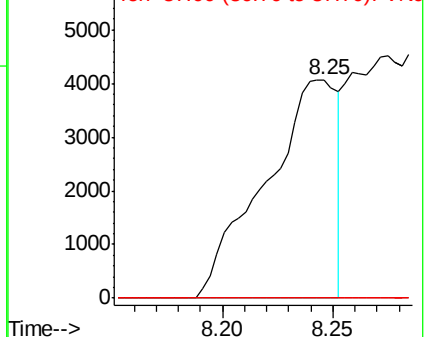
87 0.0 9.5 14.3#

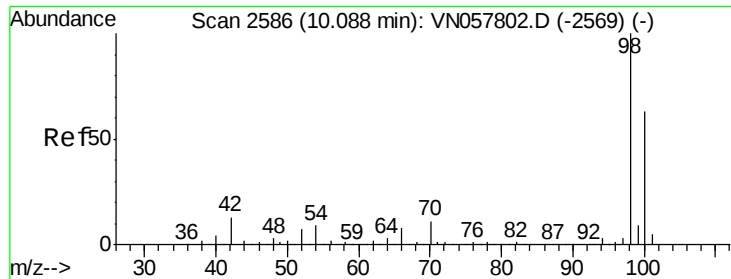


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 49.619 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057934.D

Acq: 11 Sep 2019 19:26

Instrument :

MSVOA_N

ClientSampleId :

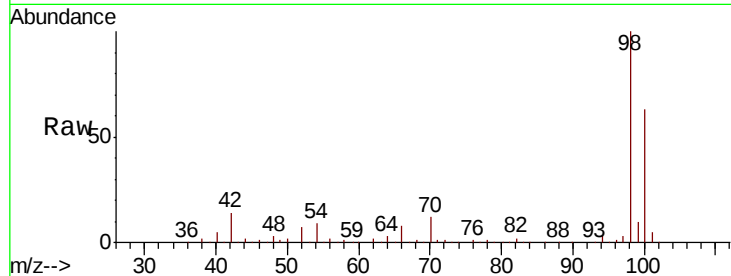
TB-091019-01

Tgt Ion: 98 Resp: 891266

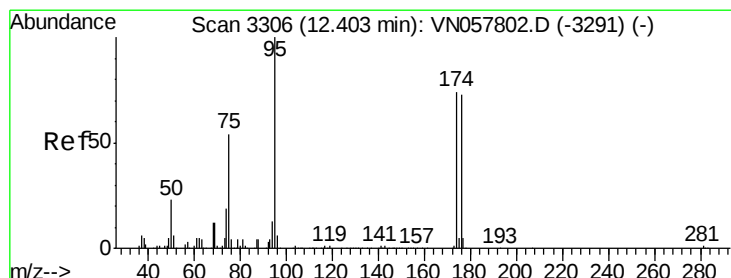
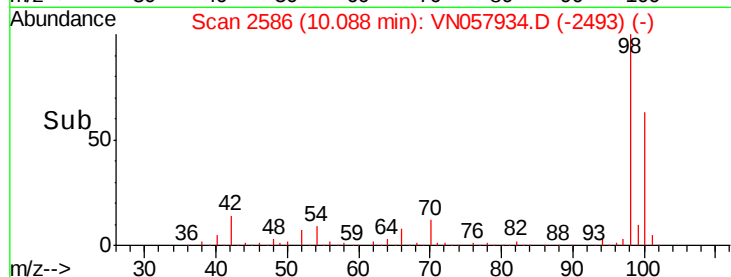
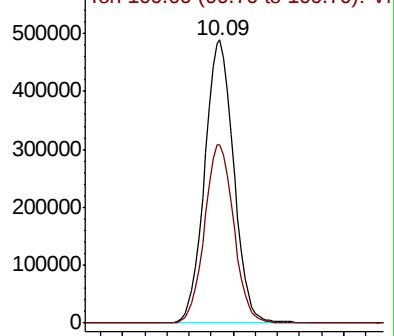
Ion Ratio Lower Upper

98 100

100 63.7 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN057802.D (-2569) (-)



#62

4-Bromofluorobenzene

Concen: 42.449 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN057934.D

Acq: 11 Sep 2019 19:26

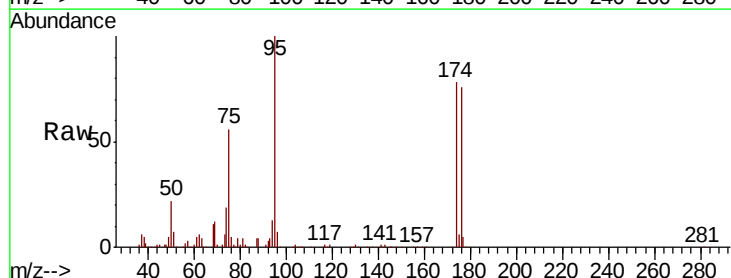
Tgt Ion: 95 Resp: 290576

Ion Ratio Lower Upper

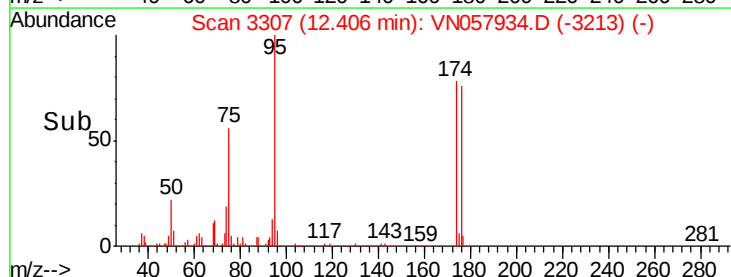
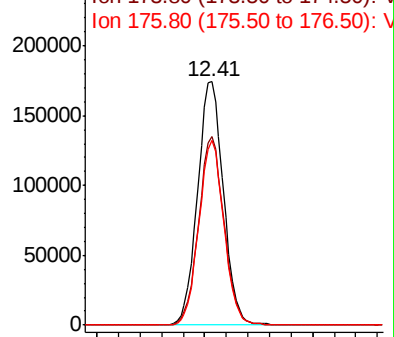
95 100

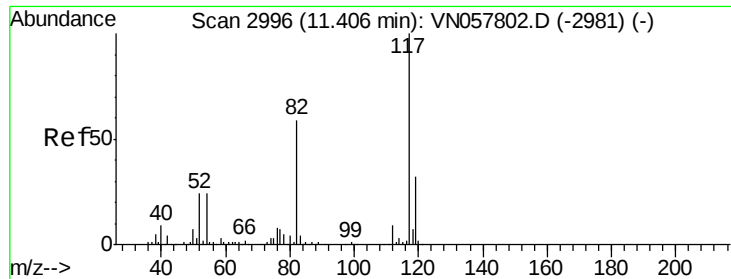
174 75.9 0.0 150.2

176 73.4 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN057802.D (-3291) (-)

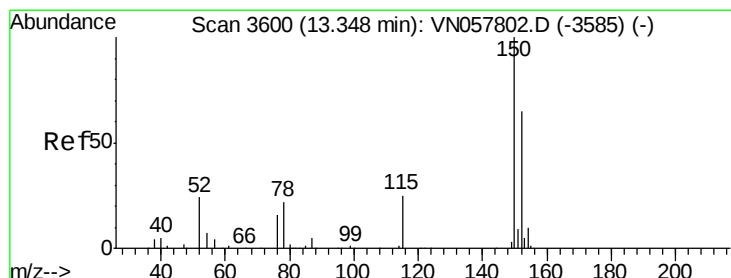
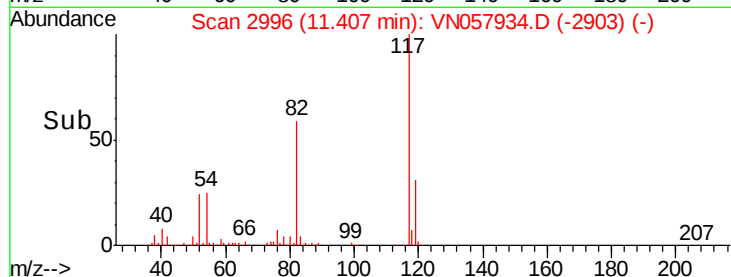
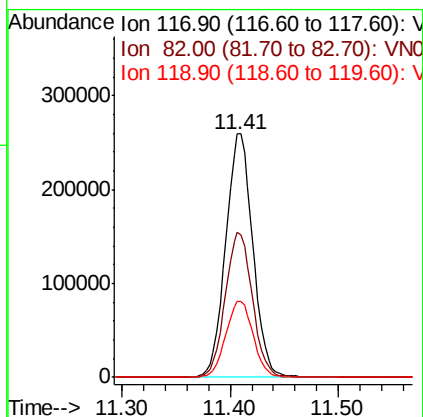
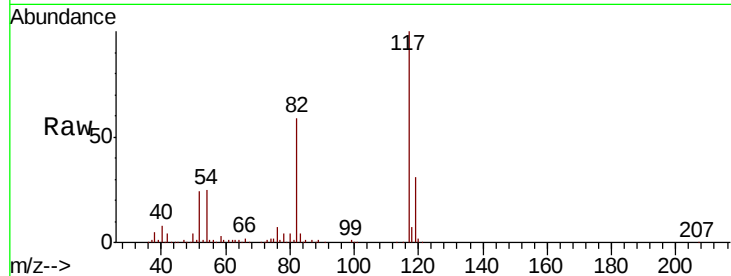




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057934.D
Acq: 11 Sep 2019 19:26

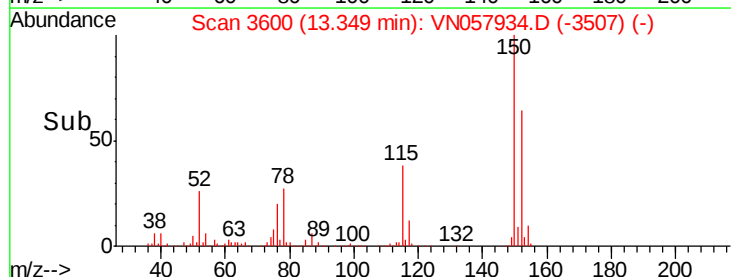
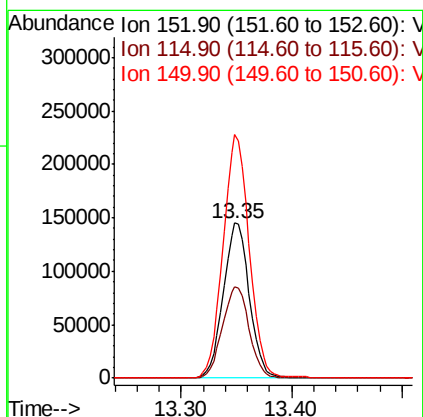
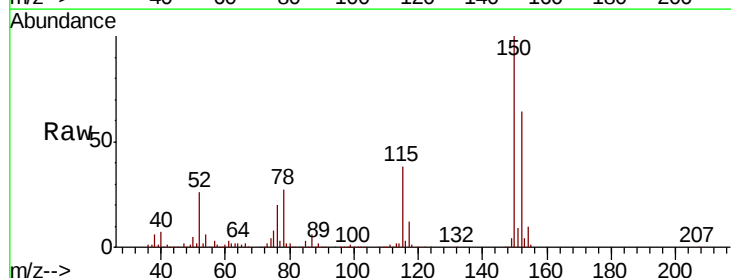
Instrument :
MSVOA_N
ClientSampleId :
TB-091019-01

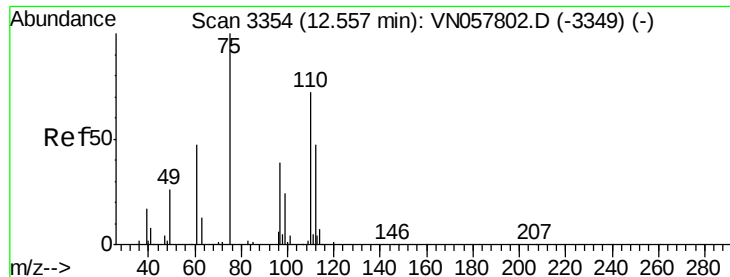
Tgt Ion:117 Resp: 454924
Ion Ratio Lower Upper
117 100
82 59.3 47.2 70.8
119 31.3 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057934.D
Acq: 11 Sep 2019 19:26

Tgt Ion:152 Resp: 237733
Ion Ratio Lower Upper
152 100
115 60.5 30.3 91.0
150 158.1 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 30.099 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN057934.D

Acq: 11 Sep 2019 19:26

Instrument :

MSVOA_N

ClientSampled :

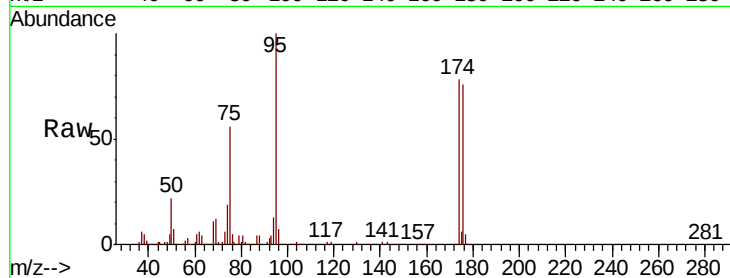
TB-091019-01

Tgt Ion: 75 Resp: 161871

Ion Ratio Lower Upper

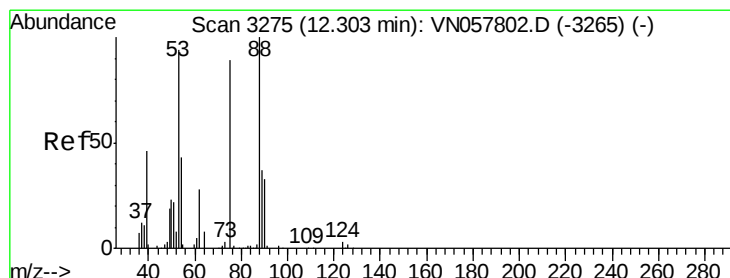
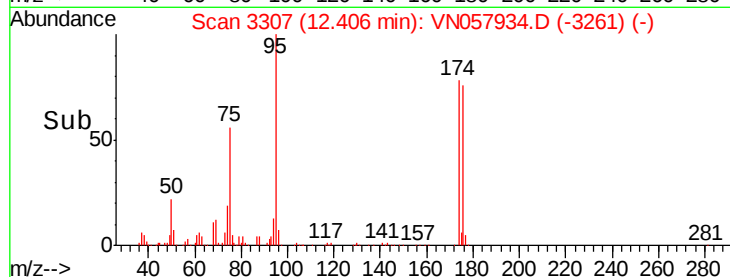
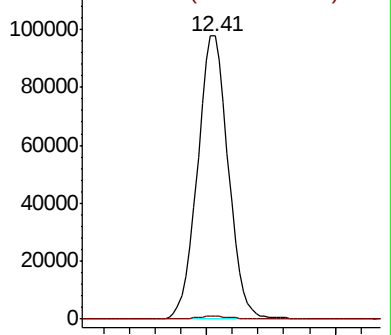
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 105.919 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN057934.D

Acq: 11 Sep 2019 19:26

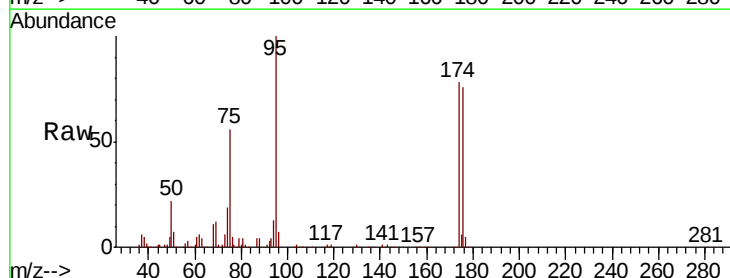
Tgt Ion: 75 Resp: 161871

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

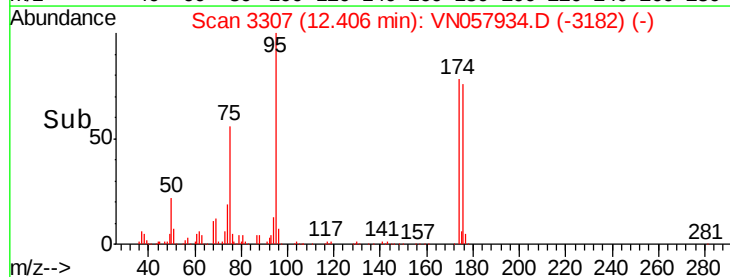
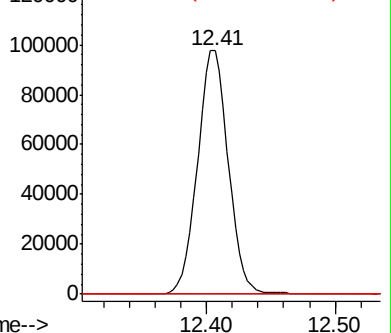
89 0.0 35.3 52.9#

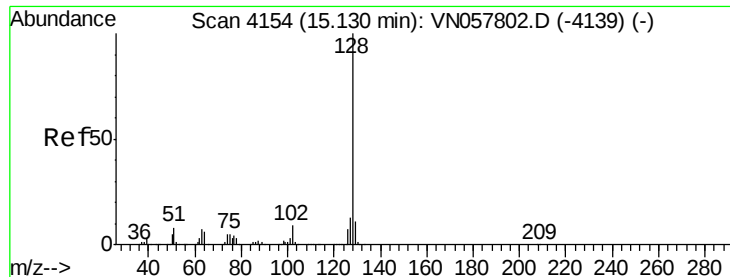


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95

Naphthalene

Concen: Below Cal

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN057934.D

Acq: 11 Sep 2019 19:26

Instrument :

MSVOA_N

ClientSampleId :

TB-091019-01

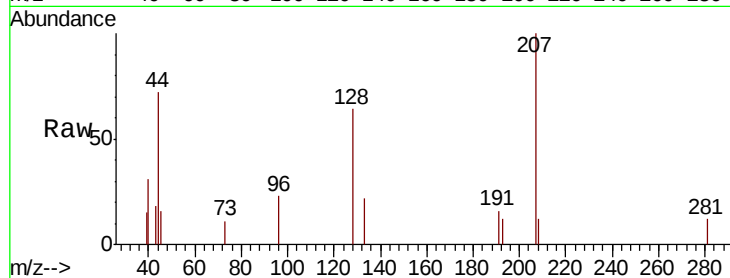
Tgt Ion:128 Resp: 1604

Ion Ratio Lower Upper

128 100

127 1.8 10.3 15.5#

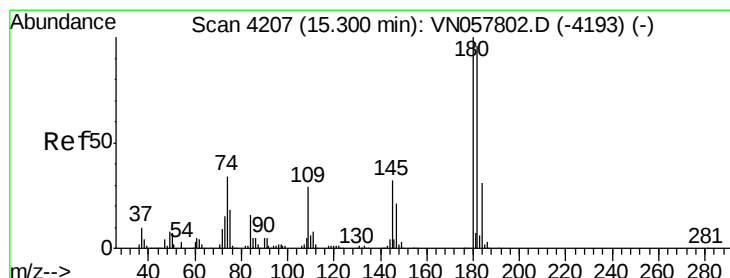
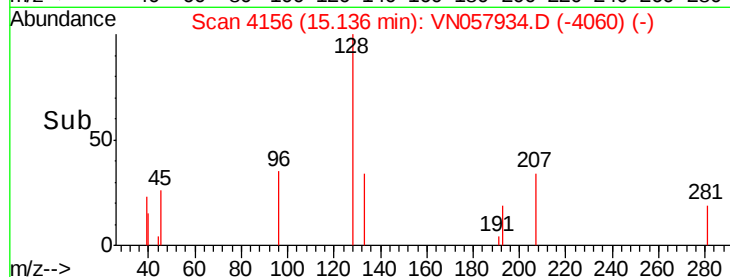
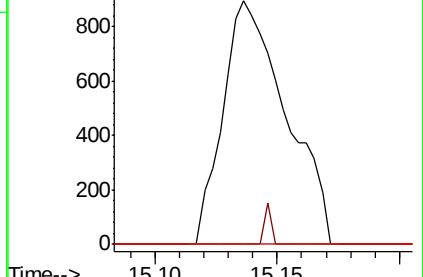
129 0.0 8.6 12.8#



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: 1.092 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN057934.D

Acq: 11 Sep 2019 19:26

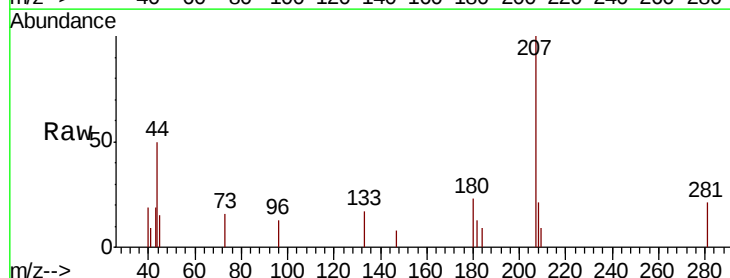
Tgt Ion:180 Resp: 462

Ion Ratio Lower Upper

180 100

182 47.4 48.3 144.8#

145 0.0 16.3 48.8#



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

