

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110519\
 Data File : VN059084.D
 Acq On : 5 Nov 2019 10:49
 Operator : JC/SP
 Sample : VN1105MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105MBL01

Quant Time: Nov 06 00:38:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	476949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	740733	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	636556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	224619	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	303241	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
35) Dibromofluoromethane	7.57	113	234933	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
50) Toluene-d8	10.08	98	908165	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
62) 4-Bromofluorobenzene	12.40	95	280547	41.95	ug/l	0.00
Spiked Amount			Recovery	=	83.90%	

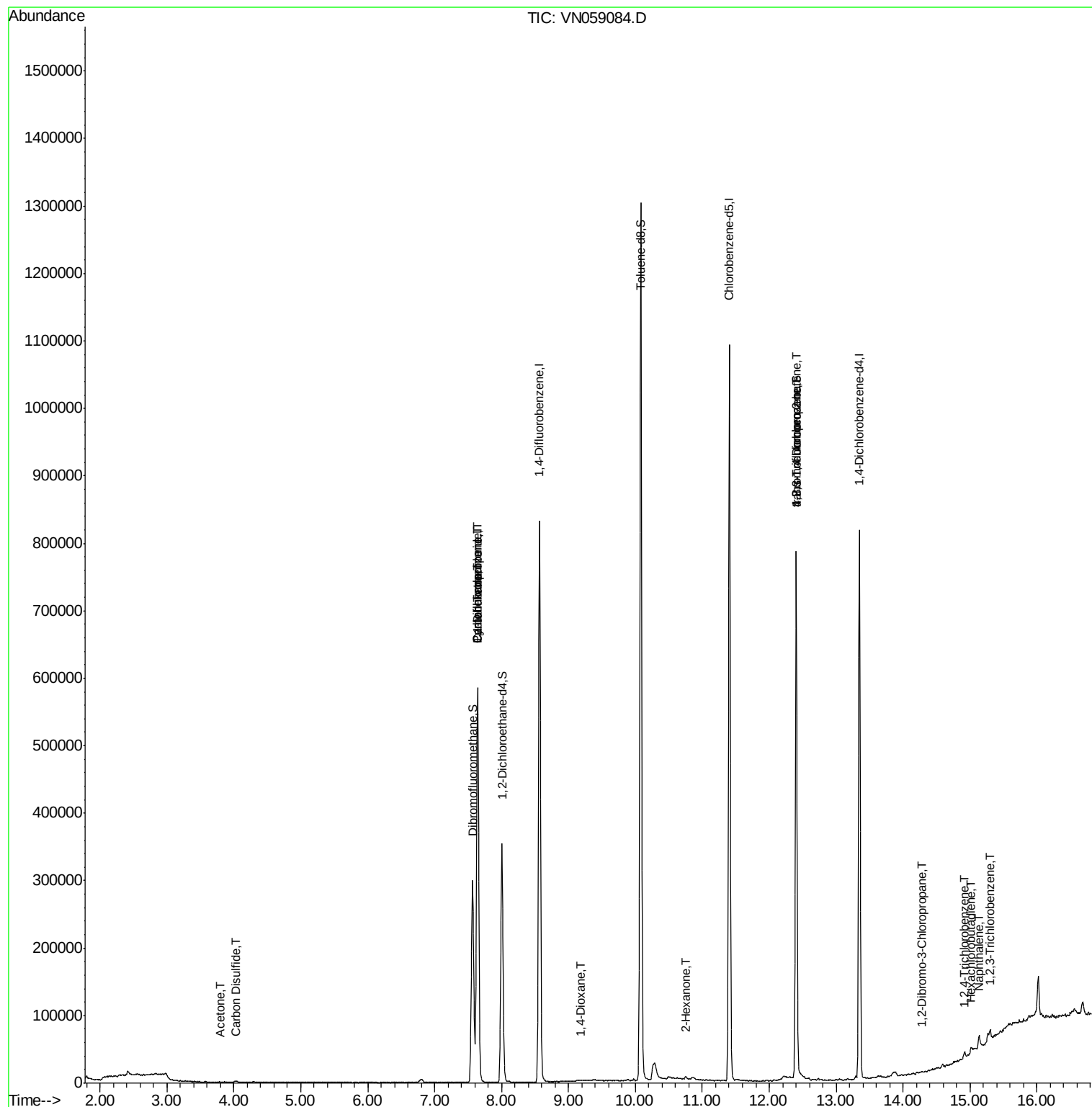
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	867	0.271	ug/l #	85
17) Carbon Disulfide	4.03	76	4181	0.278	ug/l #	76
31) Cyclohexane	7.64	56	9765	1.004	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	38024	5.165	ug/l #	50
38) Carbon Tetrachloride	7.64	117	45324	6.317	ug/l #	16
49) 1,4-Dioxane	9.19	88	30	0.315	ug/l #	22
59) 2-Hexanone	10.75	43	2505	0.444	ug/l	94
76) 1,2,3-Trichloropropane	12.40	75	138146	25.990	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	138146	66.625	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.27	75	464	0.365	ug/l #	16
93) 1,2,4-Trichlorobenzene	14.92	180	3240	0.822	ug/l	95
94) Hexachlorobutadiene	15.02	225	720	0.304	ug/l	84
95) Naphthalene	15.14	128	12343	3.931	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	5502	1.372	ug/l	97

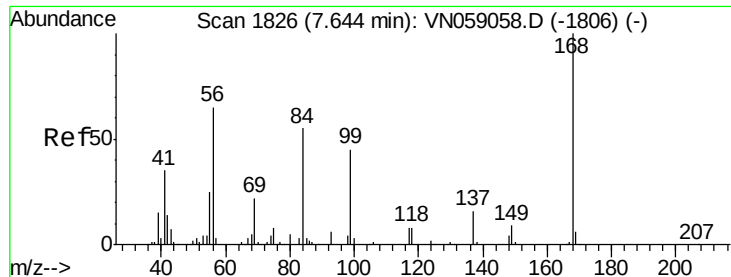
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Nov 02 05:43:23 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: VN059084.D

Acq: 5 Nov 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

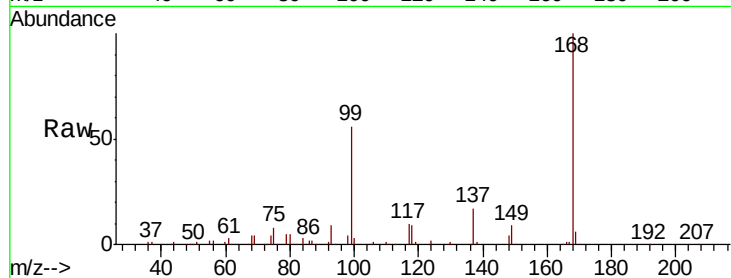
VN1105MBL01

Tot Ion:168 Resp: 476949

Ion Ratio Lower Upper

168 100

99 56.4 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): VN059058.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN059058.D (-1806) (-)

7.64

200000

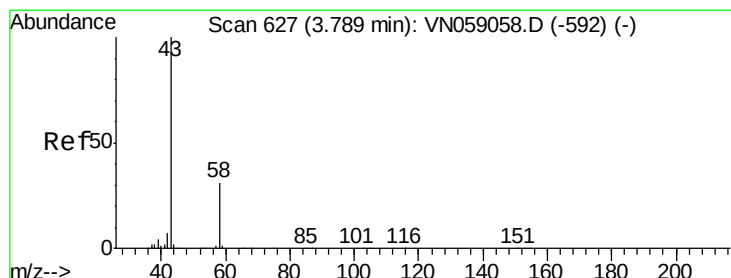
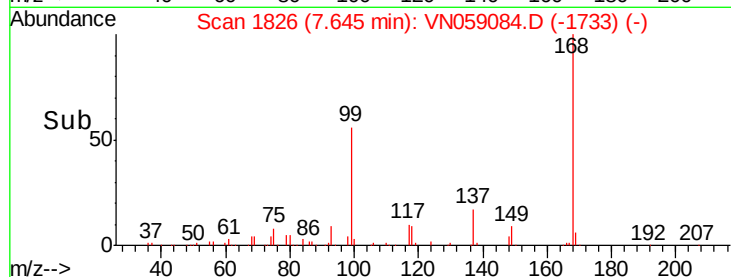
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 0.271 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN059084.D

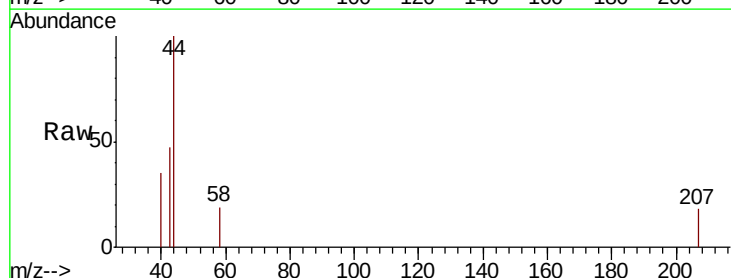
Acq: 5 Nov 2019 10:49

Tgt Ion: 43 Resp: 867

Ion Ratio Lower Upper

43 100

58 39.9 25.0 37.6#



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN059058.D (-592) (-)

3.80

500

400

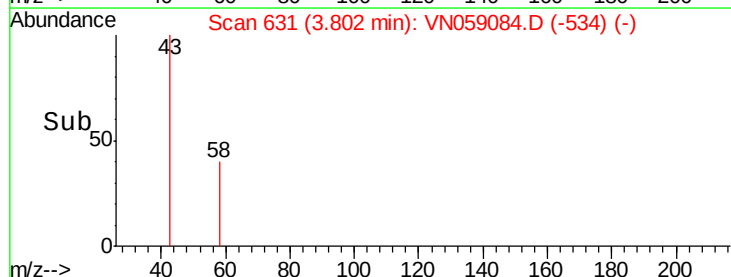
300

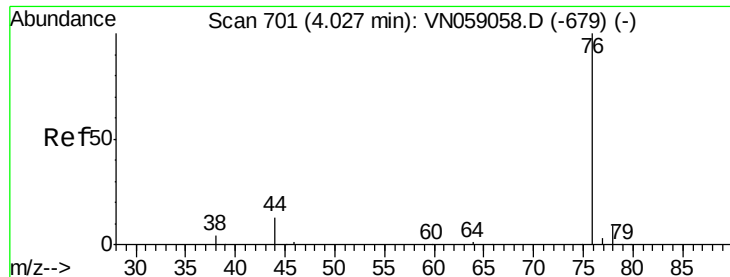
200

100

0

Time--> 3.76 3.78 3.80 3.82





#17

Carbon Disulfide

Concen: 0.278 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059084.D

Acq: 5 Nov 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

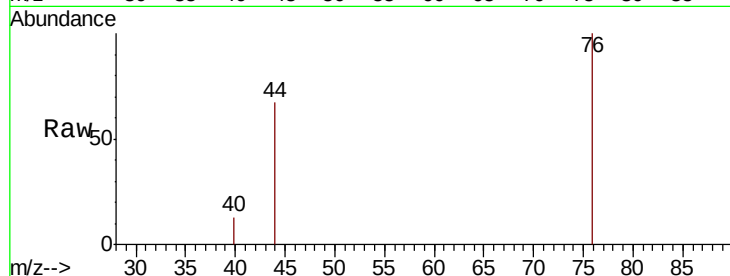
VN1105MBL01

Tot Ion: 76 Resp: 4181

Ion Ratio Lower Upper

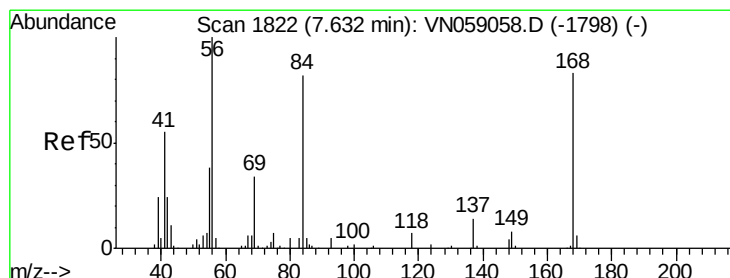
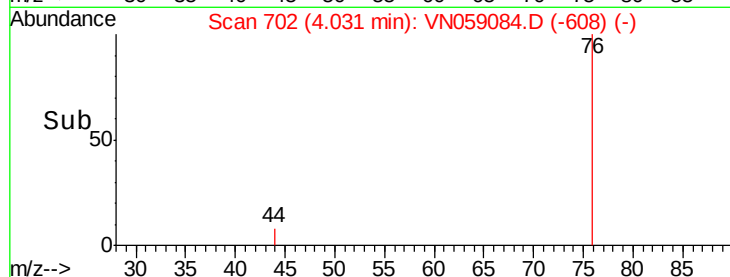
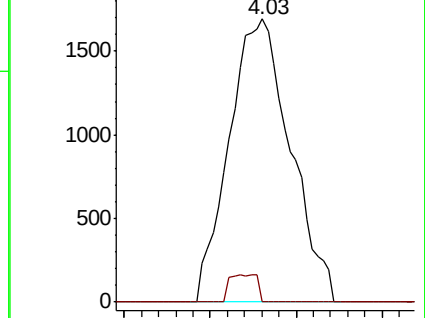
76 100

78 0.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#31

Cyclohexane

Concen: 1.004 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059084.D

Acq: 5 Nov 2019 10:49

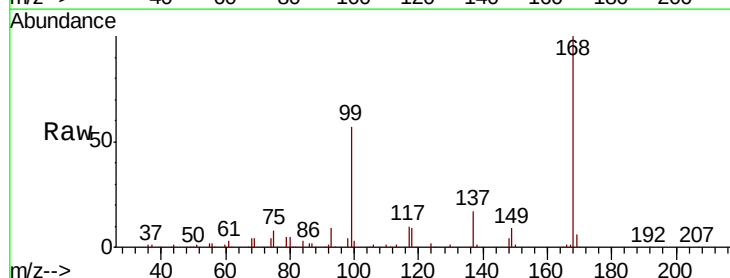
Tgt Ion: 56 Resp: 9765

Ion Ratio Lower Upper

56 100

69 197.4 27.2 40.8#

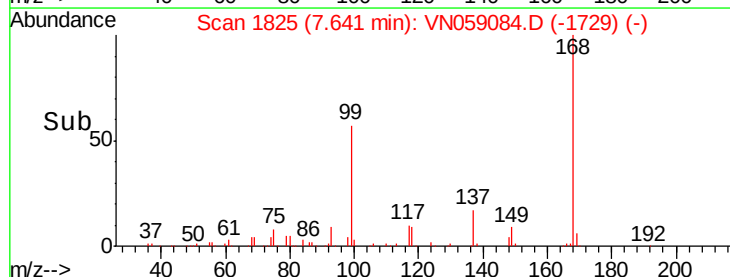
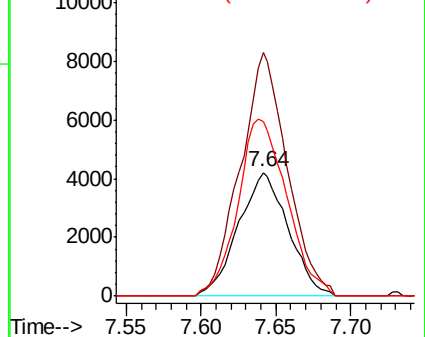
84 141.4 65.2 97.8#

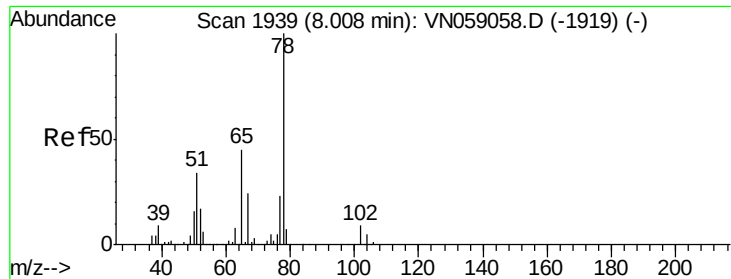


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

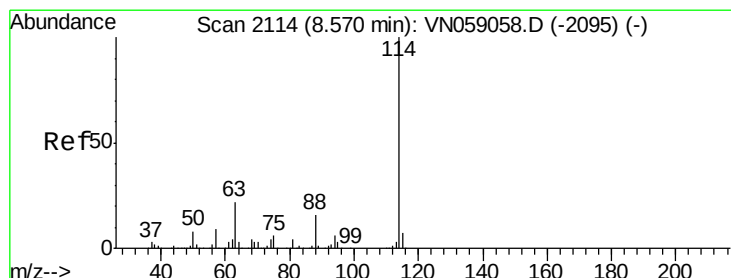
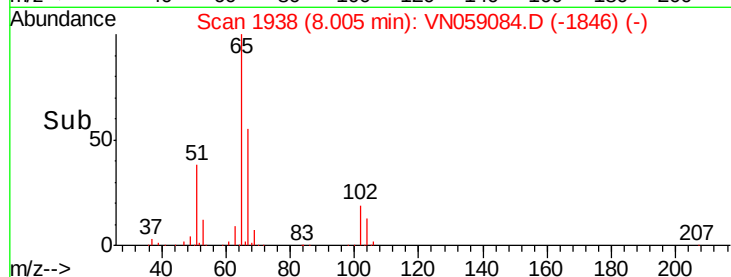
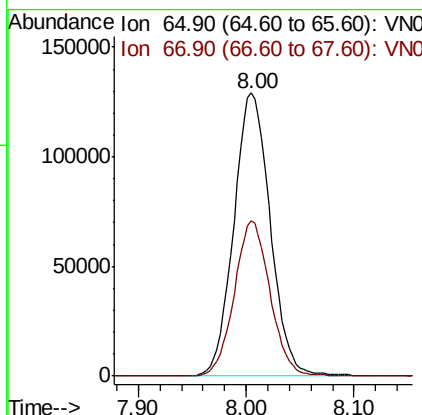
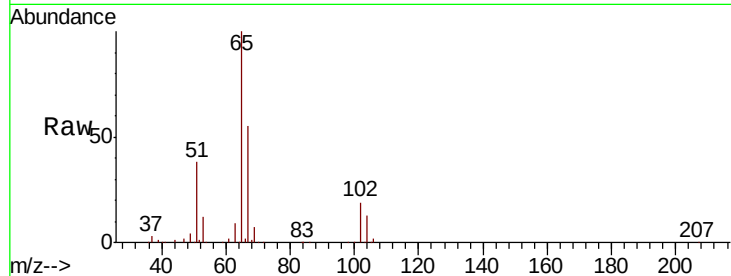




#33
 1,2-Dichloroethane-d4
 Concen: 48.007 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059084.D
 Acq: 5 Nov 2019 10:49

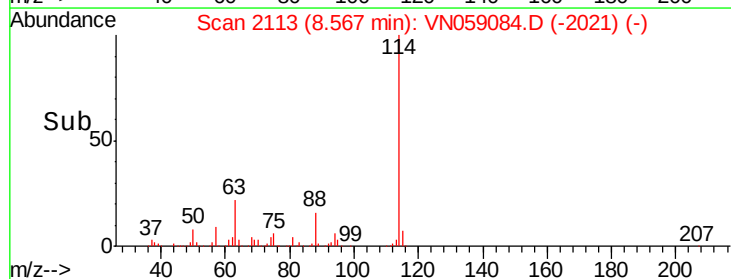
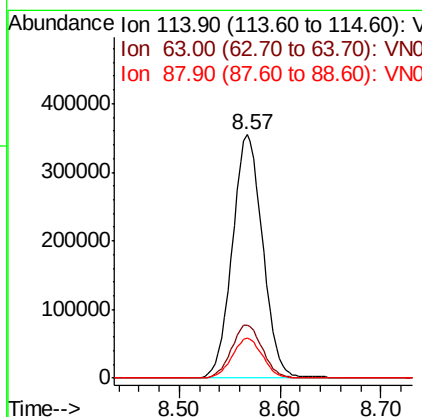
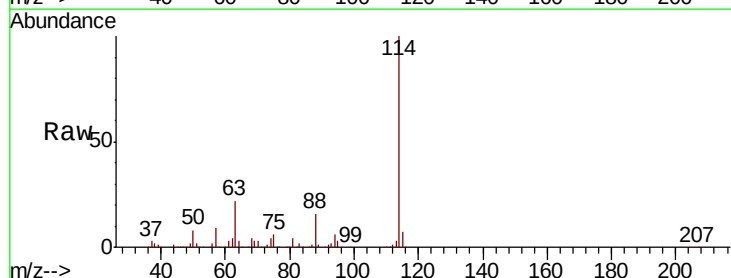
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105MBL01

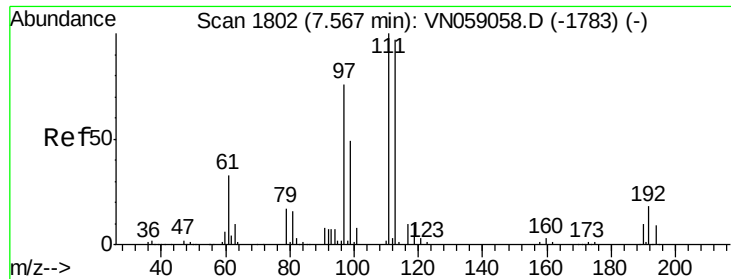
Tot Ion: 65 Resp: 303241
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059084.D
 Acq: 5 Nov 2019 10:49

Tgt Ion: 114 Resp: 740733
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.2
 88 16.4 0.0 33.0

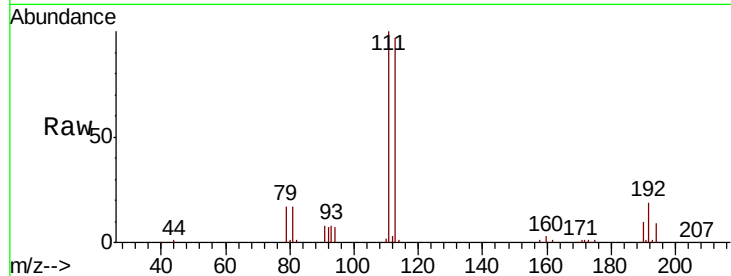




#35
 Dibromofluoromethane
 Concen: 49.163 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059084.D
 Acq: 5 Nov 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105MBL01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.9	124.3
192	19.5	15.9	23.9

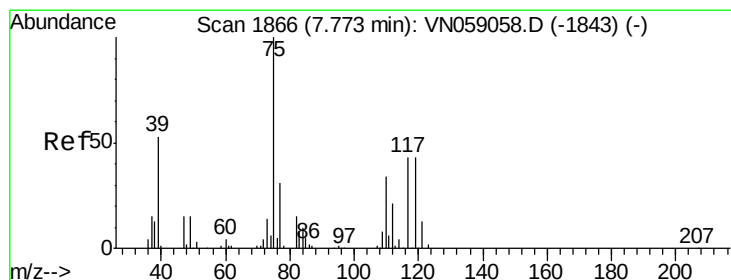
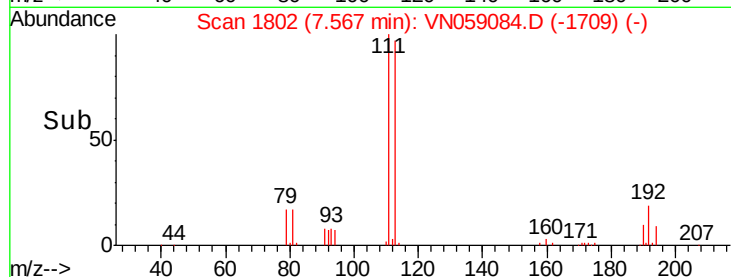
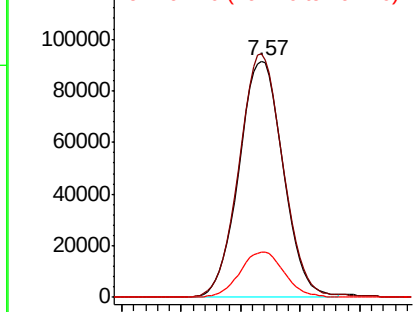


Abundance

Ion 112.80 (112.50 to 113.50): V

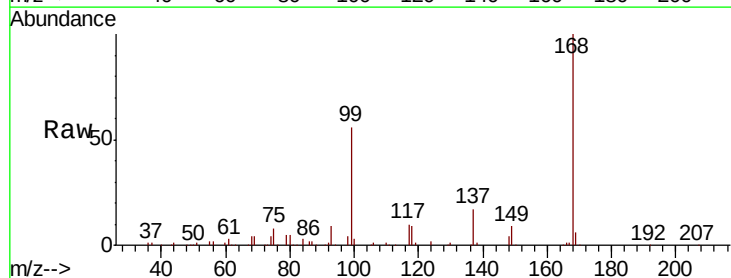
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 5.165 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059084.D
 Acq: 5 Nov 2019 10:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	16.9	50.6#
77	0.0	25.0	37.4#

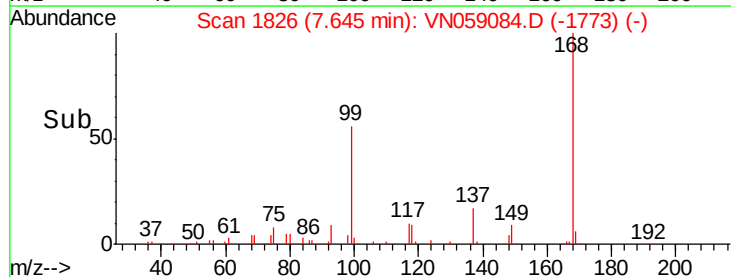
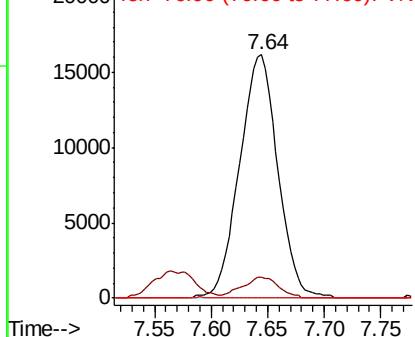


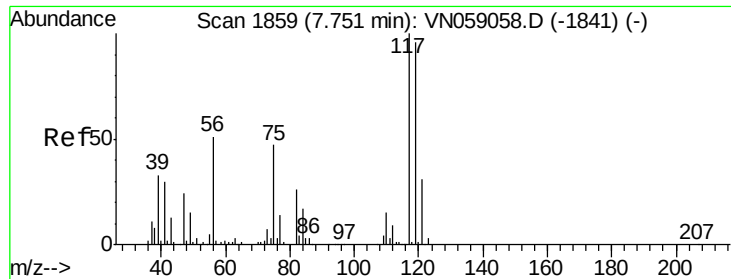
Abundance

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: 6.317 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059084.D

Acq: 5 Nov 2019 10:49

Instrument :

MSVOA_N

ClientSampled :

VN1105MBL01

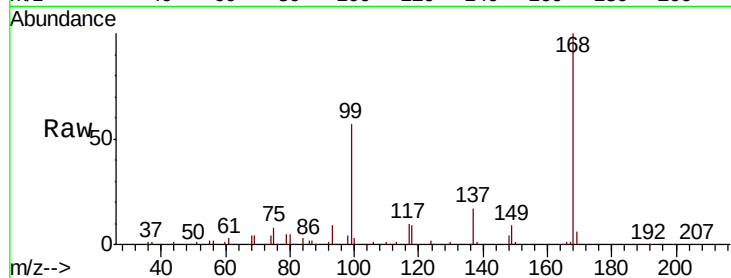
Tot Ion:117 Resp: 45324

Ion Ratio Lower Upper

117 100

119 5.1 76.6 114.8#

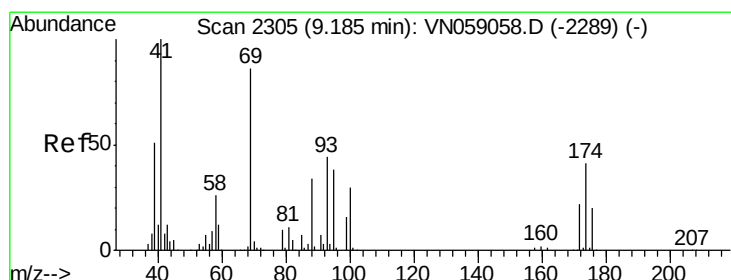
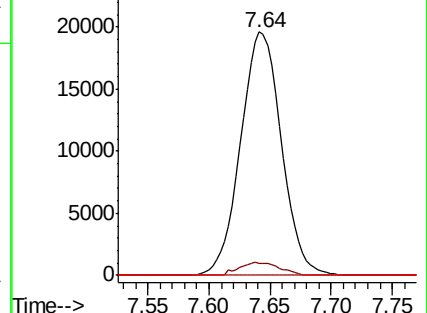
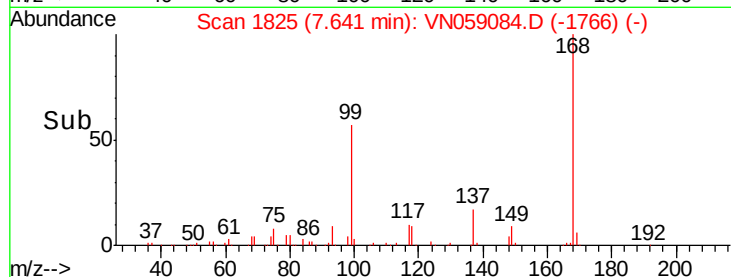
121 0.0 24.6 37.0#



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



#49

1,4-Dioxane

Concen: 0.315 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.01 min

Lab File: VN059084.D

Acq: 5 Nov 2019 10:49

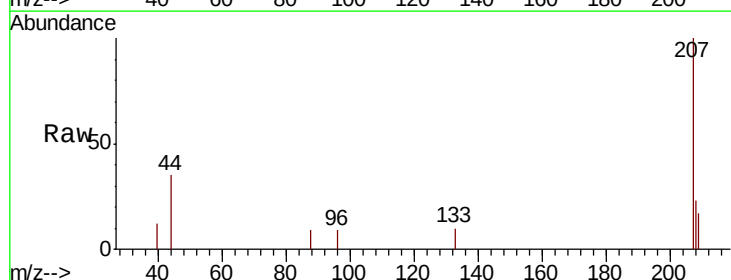
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 0.0 26.2 39.2#

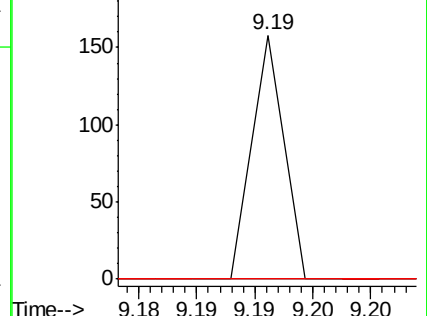
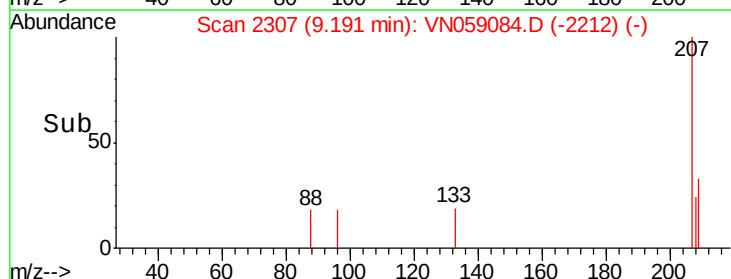
58 0.0 59.1 88.7#

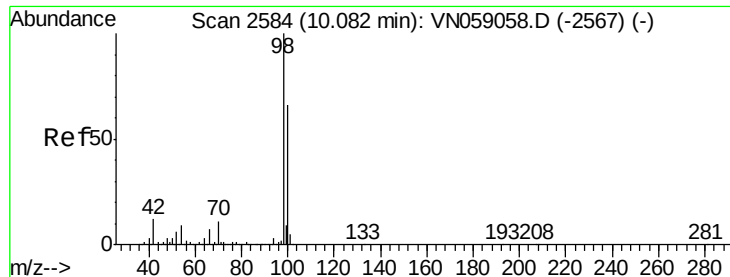


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

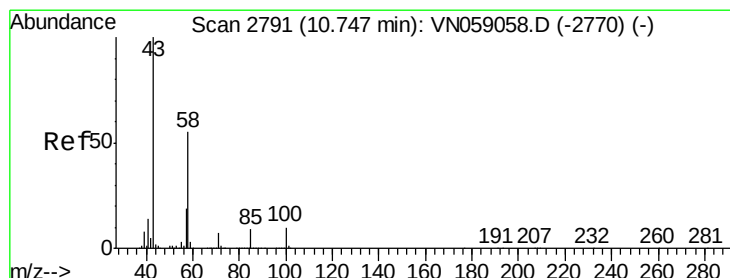
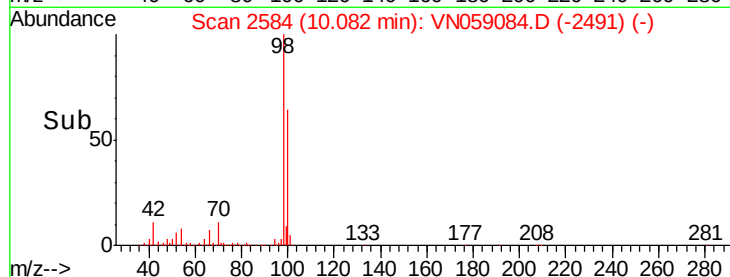
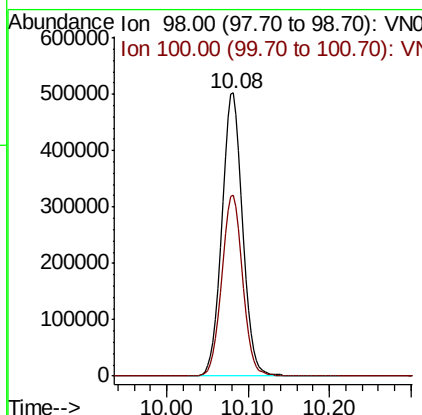
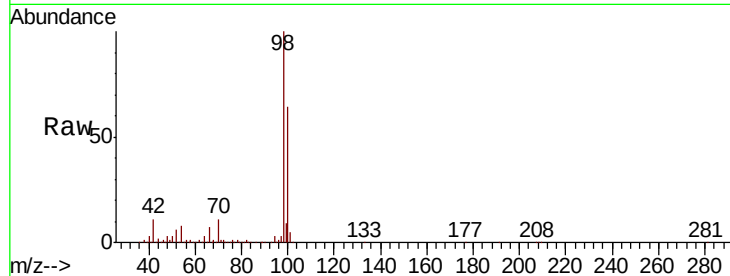




#50
Toluene-d8
Concen: 48.814 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059084.D
Acq: 5 Nov 2019 10:49

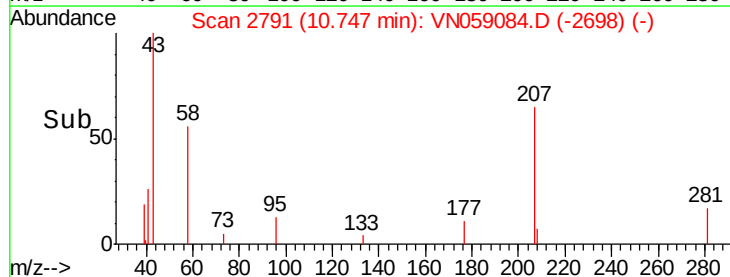
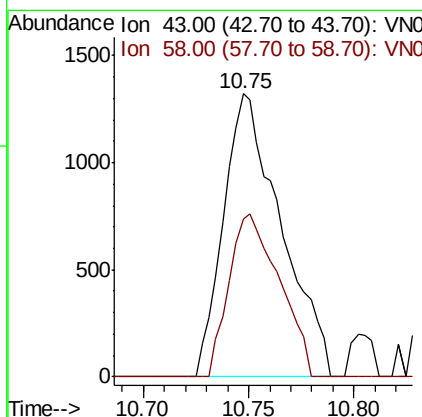
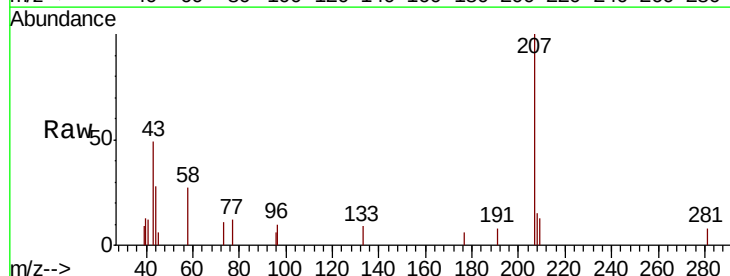
Instrument :
MSVOA_N
ClientSampled :
VN1105MBL01

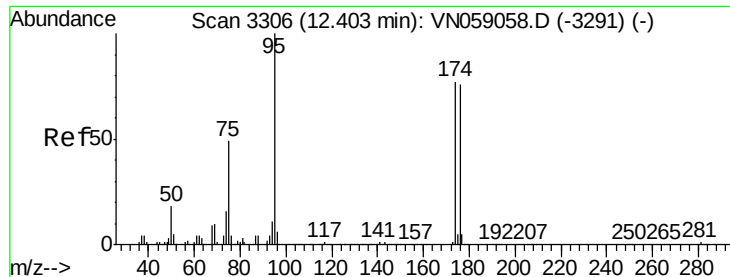
Tot Ion: 98 Resp: 908165
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5



#59
2-Hexanone
Concen: 0.444 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059084.D
Acq: 5 Nov 2019 10:49

Tgt Ion: 43 Resp: 2505
Ion Ratio Lower Upper
43 100
58 50.2 27.4 82.2





#62

4-Bromofluorobenzene

Concen: 41.949 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059084.D

Acq: 5 Nov 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VN1105MBL01

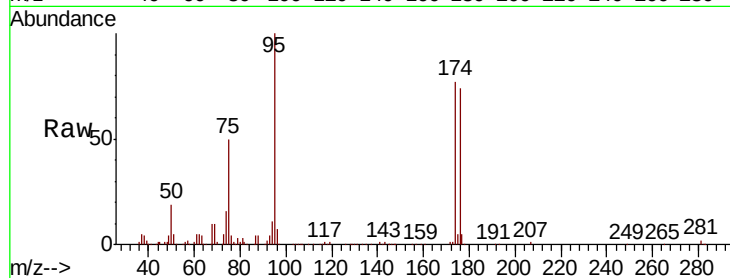
Tot Ion: 95 Resp: 280547

Ion Ratio Lower Upper

95 100

174 77.2 0.0 155.8

176 74.9 0.0 151.6



Abundance Ion 94.90 (94.60 to 95.60): VN059084.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059084.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059084.D (-3291) (-)

12.40

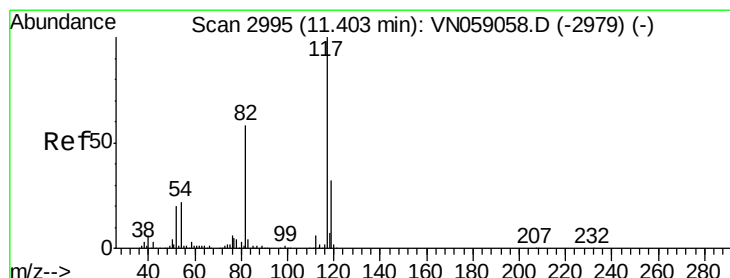
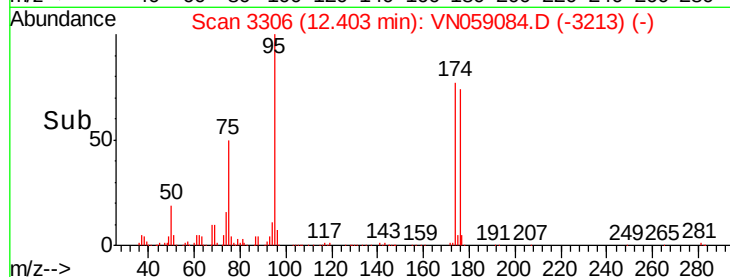
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059084.D

Acq: 5 Nov 2019 10:49

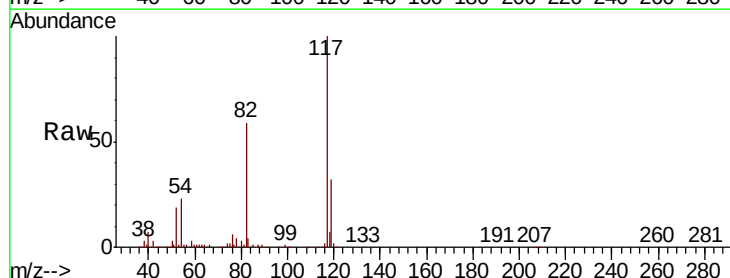
Tgt Ion: 117 Resp: 636556

Ion Ratio Lower Upper

117 100

82 59.1 46.0 69.0

119 32.4 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): VN059084.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN059084.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN059084.D (-2979) (-)

11.40

500000

400000

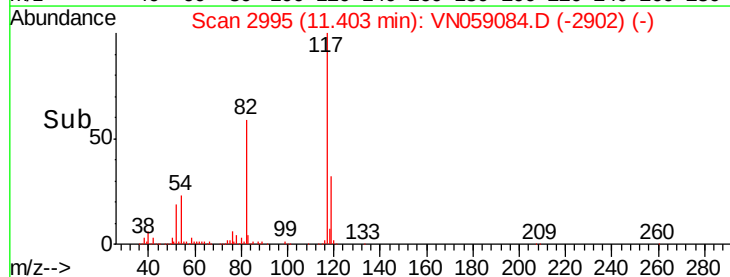
300000

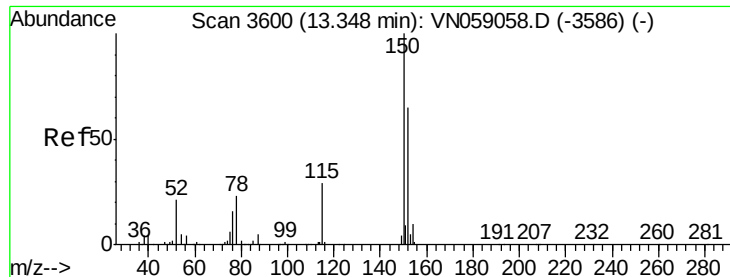
200000

100000

0

Time--> 11.30 11.40 11.50





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN059084.D

Acq: 5 Nov 2019 10:49

Instrument :

MSVOA_N

ClientSampled :

VN1105MBL01

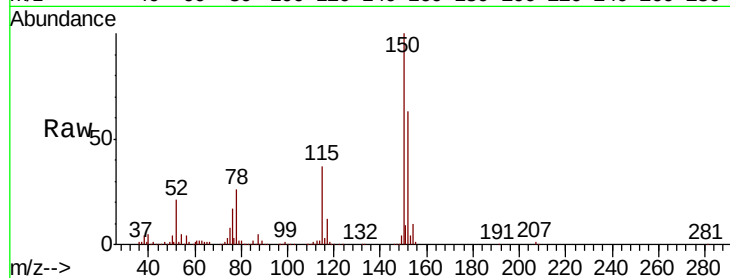
Tot Ion:152 Resp: 224619

Ion Ratio Lower Upper

152 100

115 59.7 29.6 88.9

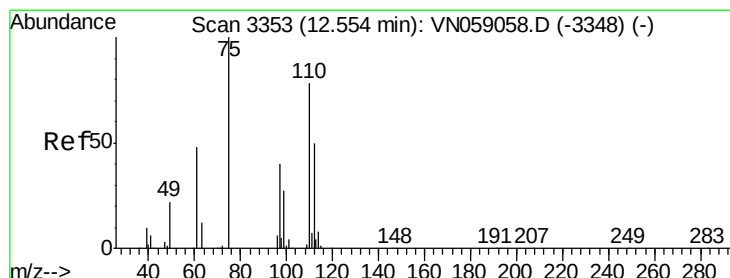
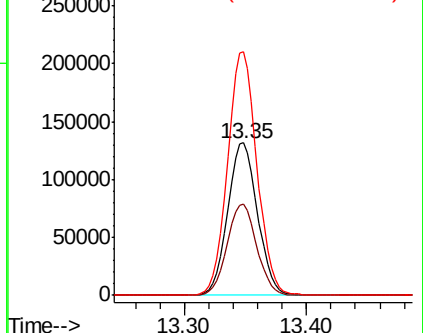
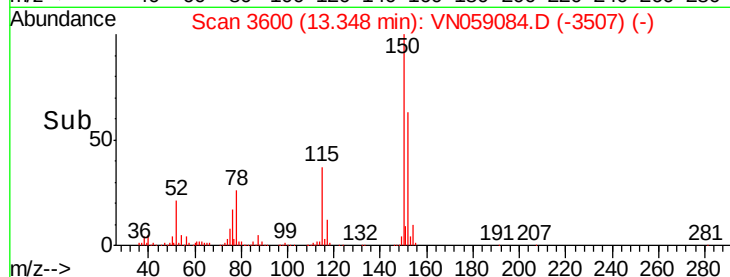
150 157.9 0.0 345.8



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: 25.990 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059084.D

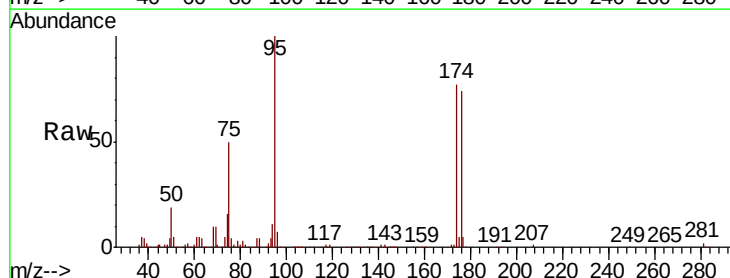
Acq: 5 Nov 2019 10:49

Tgt Ion: 75 Resp: 138146

Ion Ratio Lower Upper

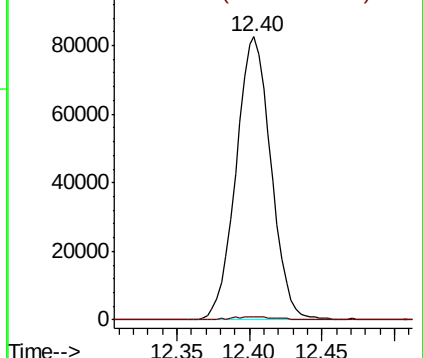
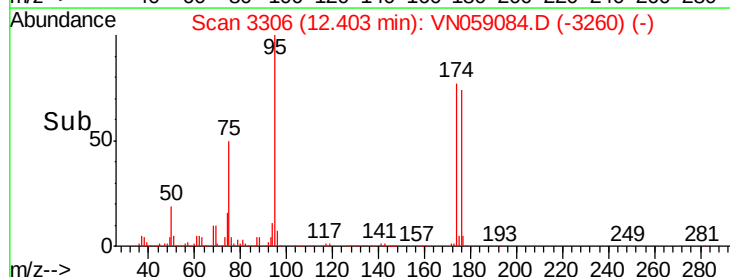
75 100

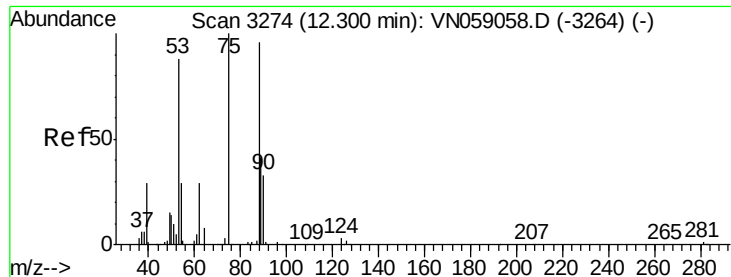
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 66.625 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059084.D

Acq: 5 Nov 2019 10:49

Instrument :

MSVOA_N

ClientSampled :

VN1105MBL01

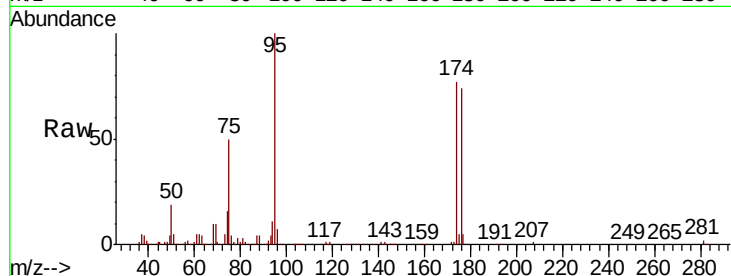
Tot Ion: 75 Resp: 138146

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

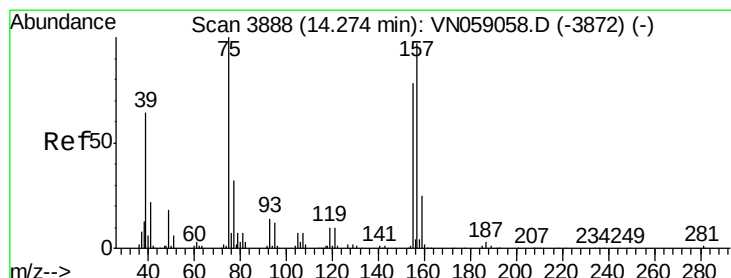
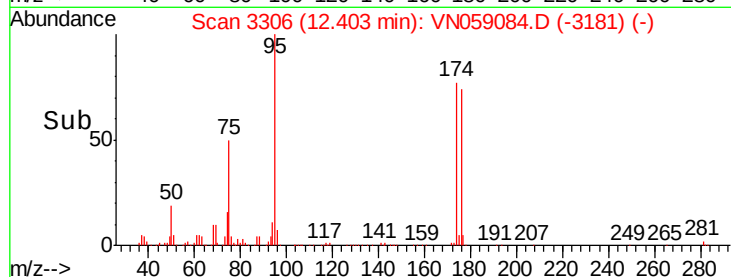
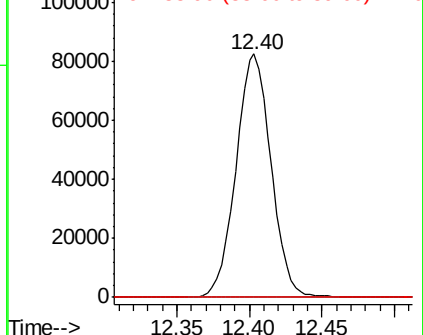
89 0.0 34.2 51.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.365 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059084.D

Acq: 5 Nov 2019 10:49

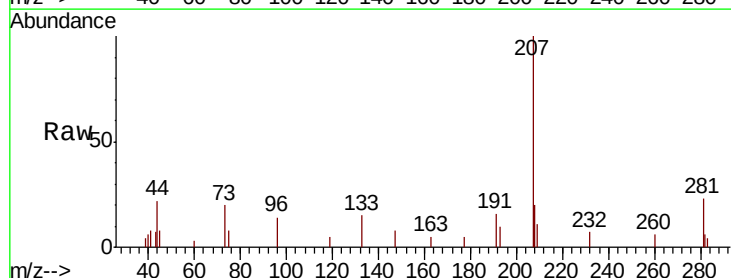
Tgt Ion: 75 Resp: 464

Ion Ratio Lower Upper

75 100

155 0.0 39.7 119.1#

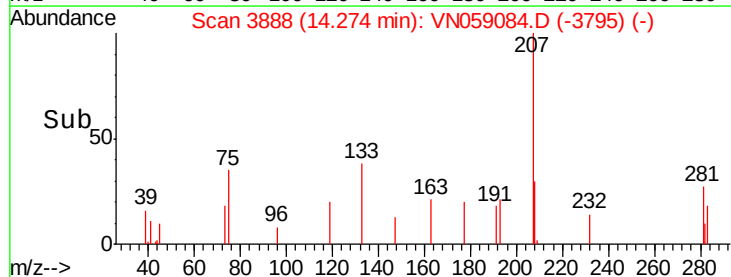
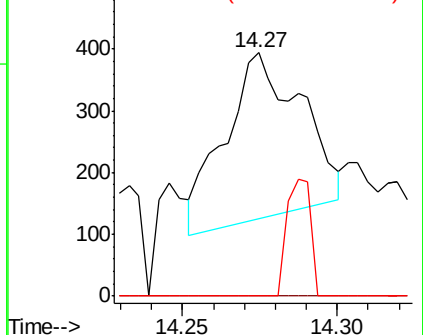
157 22.0 51.0 153.0#

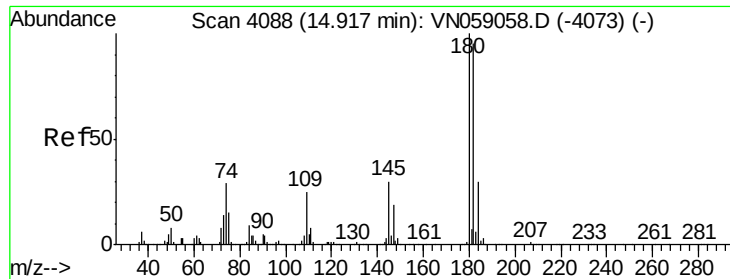


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

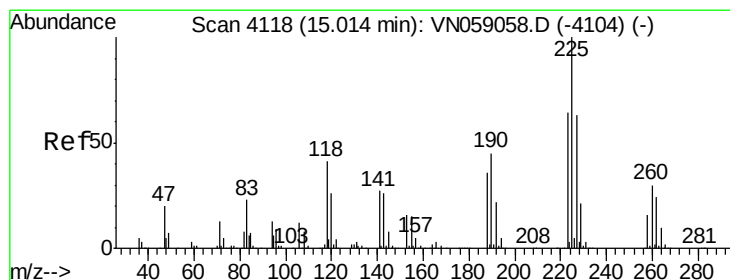
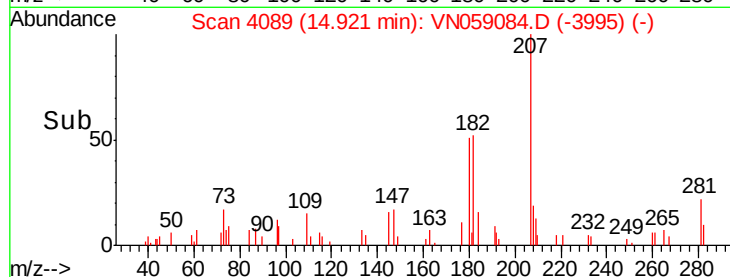
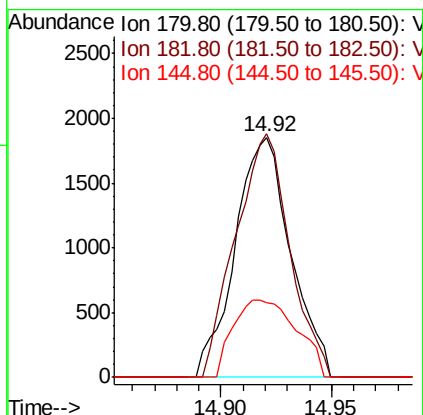
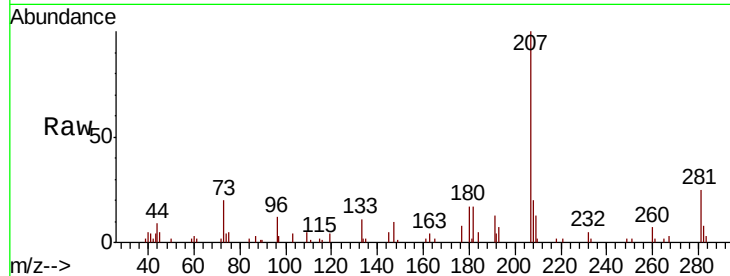




#93
 1,2,4-Trichlorobenzene
 Concen: 0.822 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN059084.D
 Acq: 5 Nov 2019 10:49

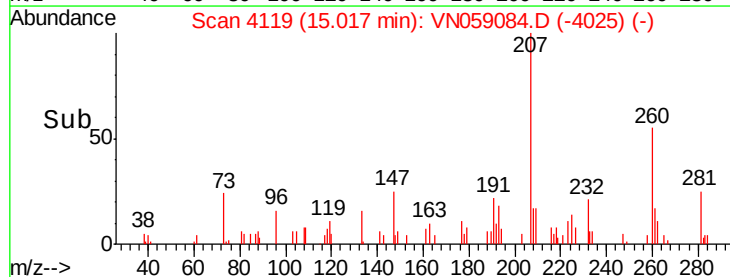
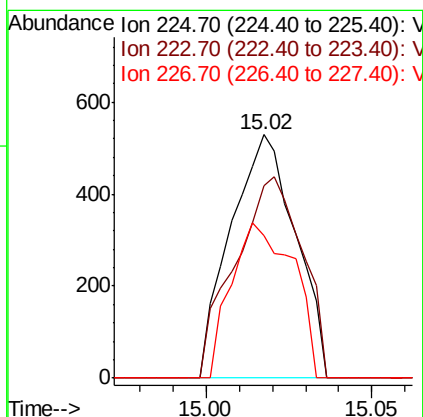
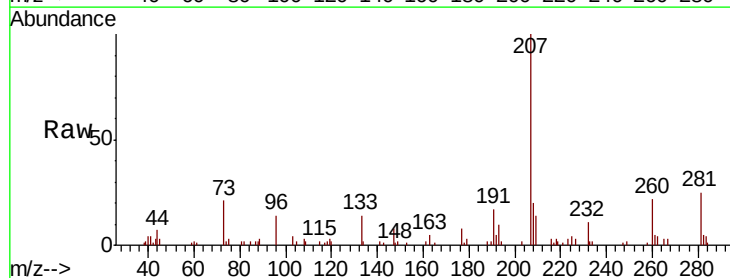
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105MBL01

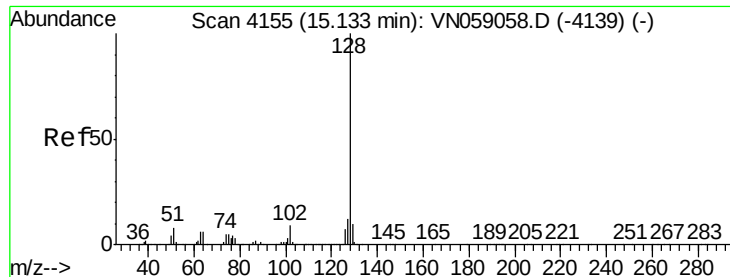
Tot Ion:180 Resp: 3240
 Ion Ratio Lower Upper
 180 100
 182 98.6 47.8 143.4
 145 36.8 15.1 45.3



#94
 Hexachlorobutadiene
 Concen: 0.304 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN059084.D
 Acq: 5 Nov 2019 10:49

Tgt Ion:225 Resp: 720
 Ion Ratio Lower Upper
 225 100
 223 85.8 31.6 95.0
 227 60.7 31.9 95.7





#95

Naphthalene

Concen: 3.931 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN059084.D

Acq: 5 Nov 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VN1105MBL01

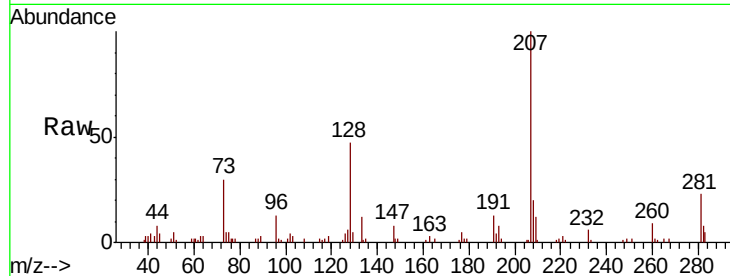
Tot Ion:128 Resp: 12343

Ion Ratio Lower Upper

128 100

127 11.7 9.9 14.9

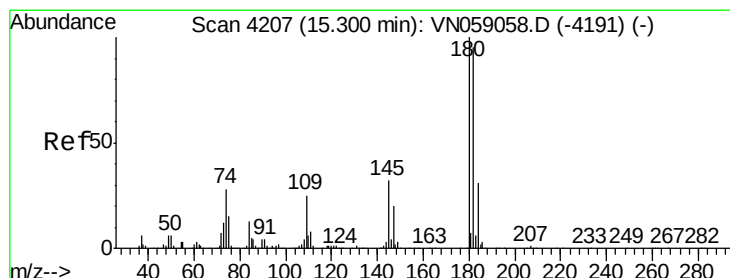
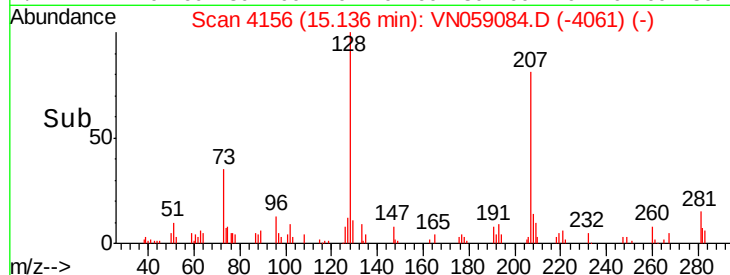
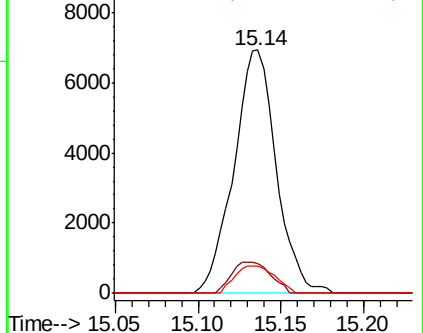
129 10.6 8.4 12.6



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: 1.372 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN059084.D

Acq: 5 Nov 2019 10:49

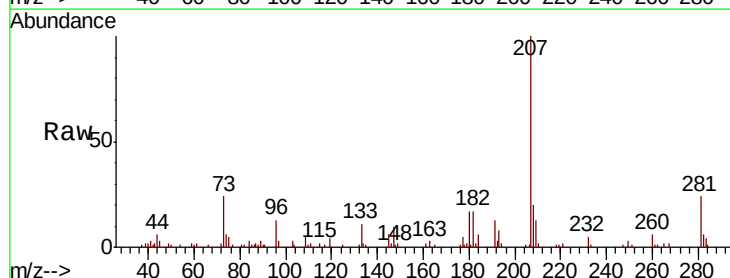
Tgt Ion:180 Resp: 5502

Ion Ratio Lower Upper

180 100

182 94.8 47.7 143.1

145 38.1 16.0 48.0



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

