

Data File : VN059538.D
Acq On : 10 Dec 2019 11:40
Operator : JC/SP
Sample : VN1210MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1210MBL01

Quant Time: Dec 11 06:13:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 10 01:09:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	305290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	488961	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	336311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	128224	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	165945	38.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.78%	
35) Dibromofluoromethane	7.57	113	139884	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
50) Toluene-d8	10.08	98	472467	39.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.32%	
62) 4-Bromofluorobenzene	12.40	95	150790	34.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.40%	

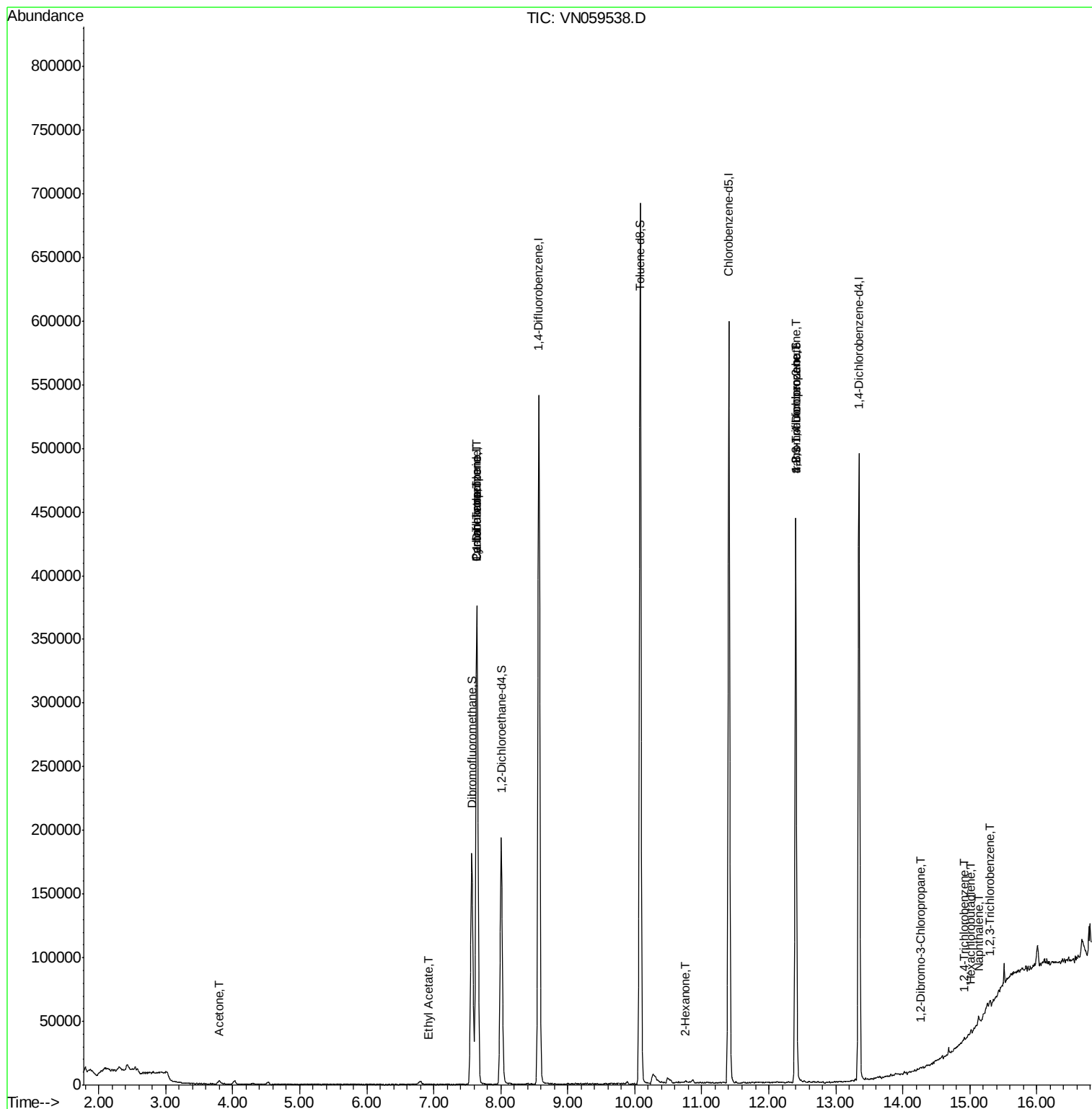
Target Compounds			Qvalue			
16) Acetone	3.80	43	4329	2.172 ug/l		93
20) Methylene Chloride	4.52	84	726	Below Cal	#	69
31) Cyclohexane	7.64	56	5828	0.906 ug/l	#	1
36) 1,1-Dichloropropene	7.64	75	23709	4.726 ug/l	#	51
37) Ethyl Acetate	6.92	43	59	1.547 ug/l	#	69
38) Carbon Tetrachloride	7.64	117	29258	5.917 ug/l	#	17
51) 4-Methyl-2-Pentanone	9.99	43	640	Below Cal	#	37
59) 2-Hexanone	10.75	43	1317	2.525 ug/l	#	54
76) 1,2,3-Trichloropropane	12.40	75	80983	24.697 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	80983	66.448 ug/l	#	16
92) 1,2-Dibromo-3-Chloropropan	14.25	75	164	2.291 ug/l	#	3
93) 1,2,4-Trichlorobenzene	14.91	180	997	0.348 ug/l	#	82
94) Hexachlorobutadiene	15.01	225	420	0.287 ug/l	#	75
95) Naphthalene	15.13	128	4110	0.491 ug/l	#	91
96) 1,2,3-Trichlorobenzene	15.30	180	1395	2.886 ug/l	#	89

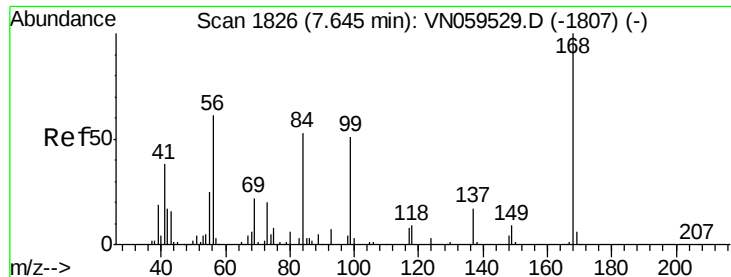
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN059538.D

Acq: 10 Dec 2019 11:40

Instrument :

MSVOA_N

ClientSampleId :

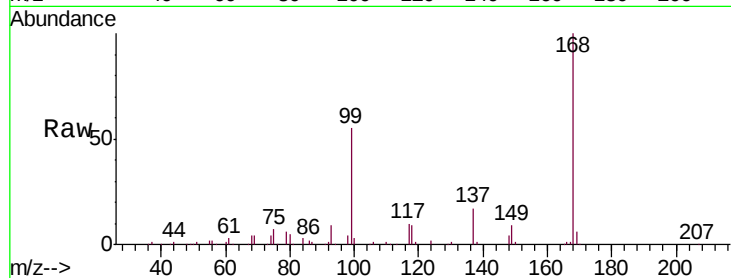
VN1210MBL01

Tgt Ion:168 Resp: 305290

Ion Ratio Lower Upper

168 100

99 55.4 46.6 70.0



Abundance Ion 167.90 (167.60 to 168.60): VN059529.D

Ion 98.90 (98.60 to 99.60): VN059529.D

7.64

150000

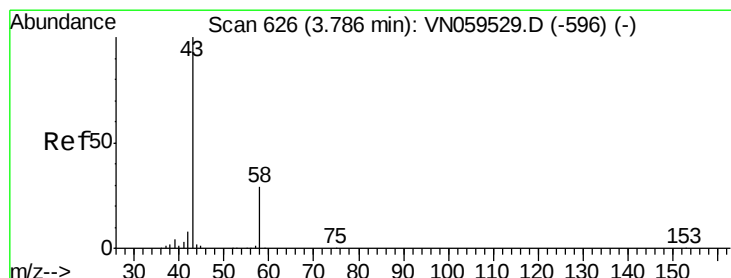
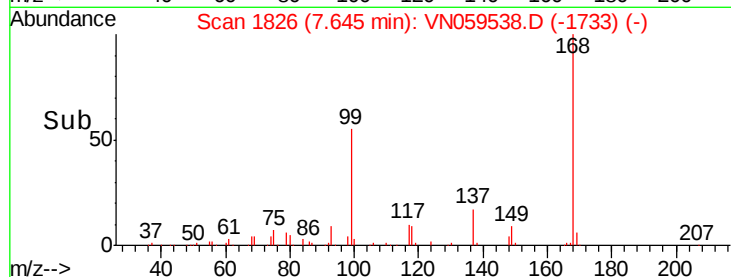
100000

50000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 2.172 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN059538.D

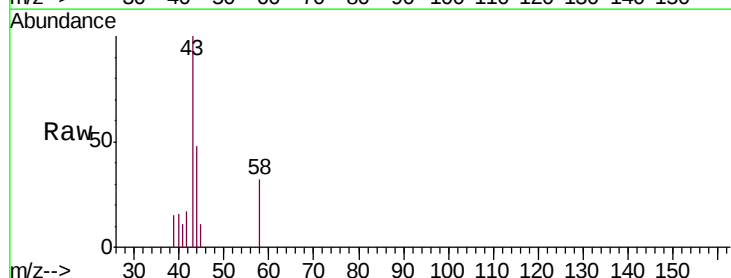
Acq: 10 Dec 2019 11:40

Tgt Ion: 43 Resp: 4329

Ion Ratio Lower Upper

43 100

58 32.5 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN059529.D

Ion 58.00 (57.70 to 58.70): VN059529.D

3.80

1500

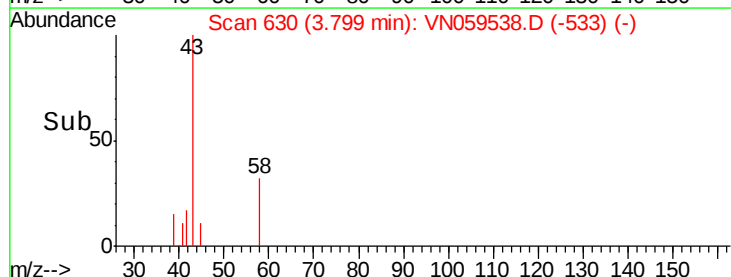
1000

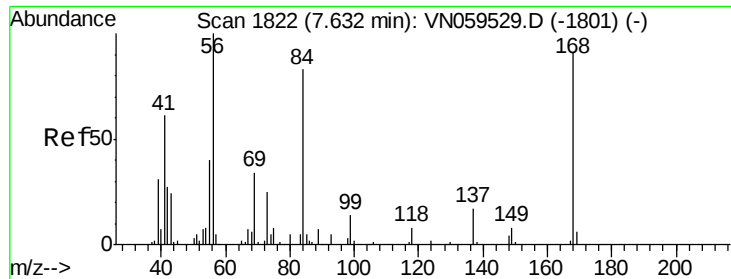
500

0

3.70 3.75 3.80 3.85 3.90

Time-->





#31

Cyclohexane

Concen: 0.906 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059538.D

Acq: 10 Dec 2019 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN1210MBL01

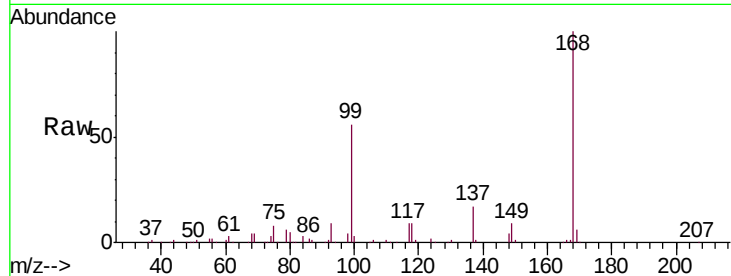
Tgt Ion: 56 Resp: 5828

Ion Ratio Lower Upper

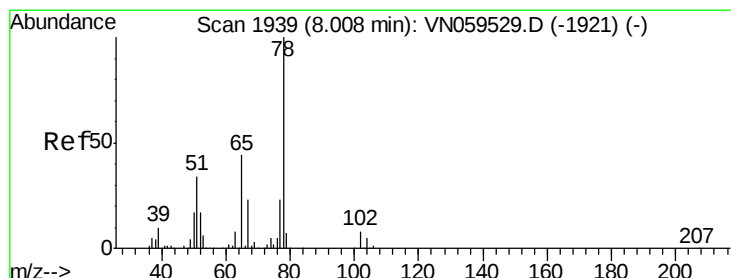
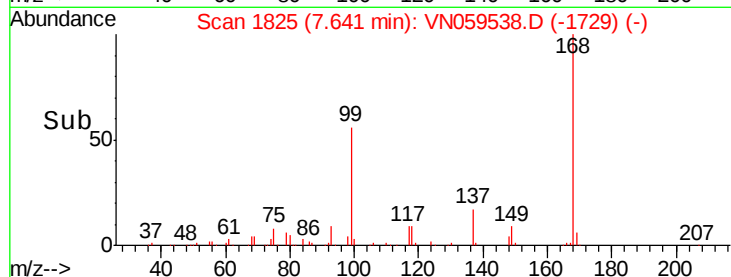
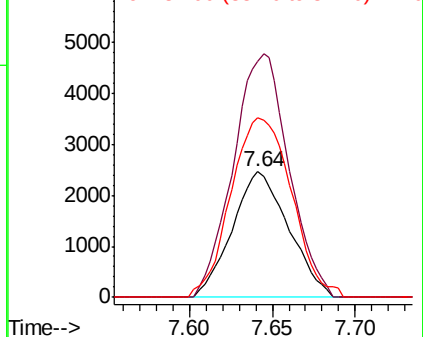
56 100

69 188.0 26.9 40.3#

84 143.4 66.5 99.7#



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



#33

1,2-Dichloroethane-d4

Concen: 38.892 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN059538.D

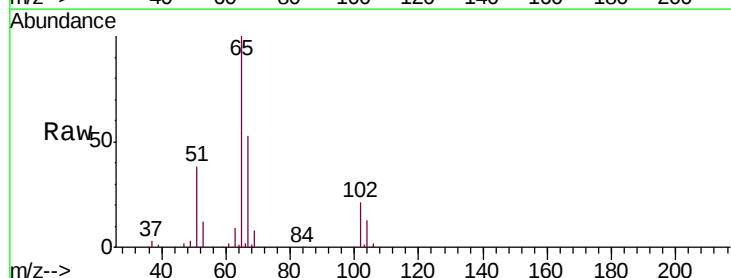
Acq: 10 Dec 2019 11:40

Tgt Ion: 65 Resp: 165945

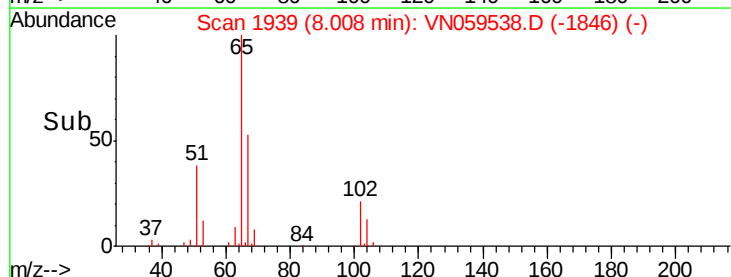
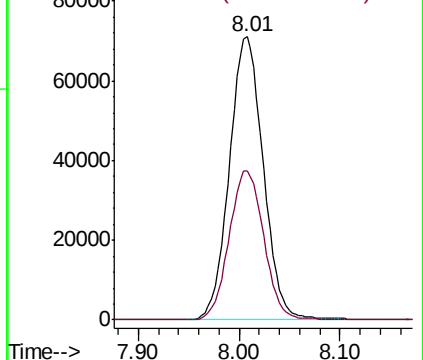
Ion Ratio Lower Upper

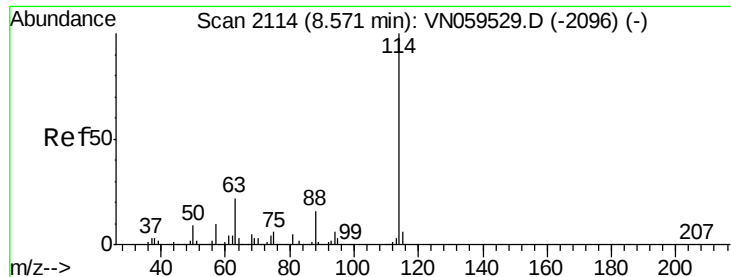
65 100

67 53.9 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VNO
Ion 66.90 (66.60 to 67.60): VNO

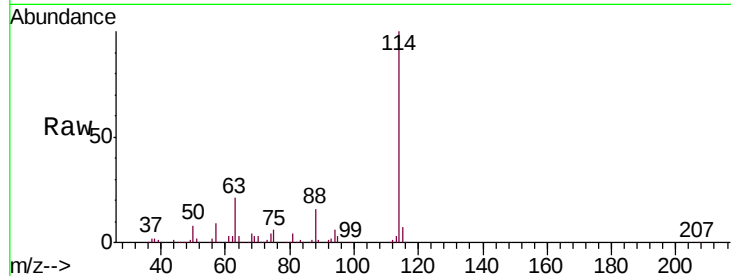




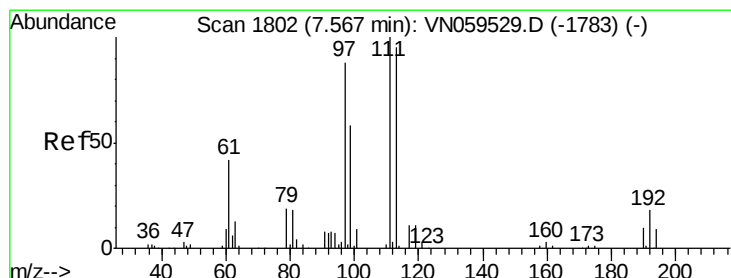
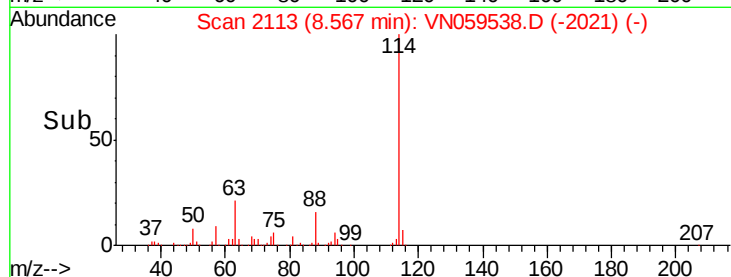
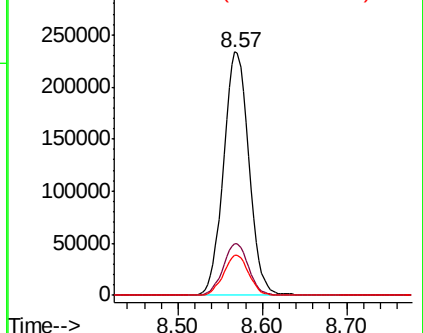
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059538.D
 Acq: 10 Dec 2019 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210MBL01

Tgt Ion:114 Resp: 488961
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 45.0
 88 16.4 0.0 32.2

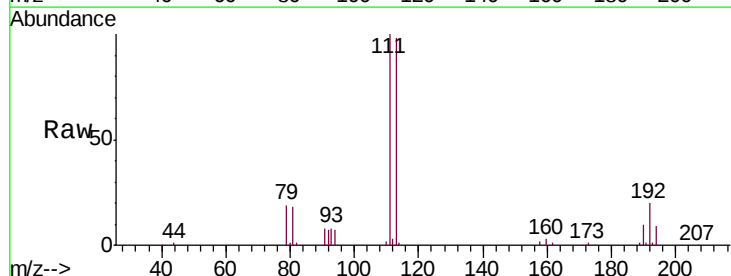


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

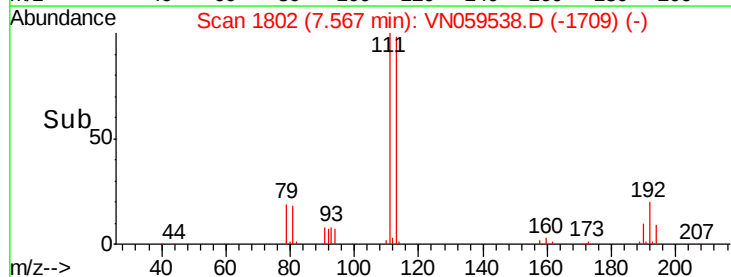
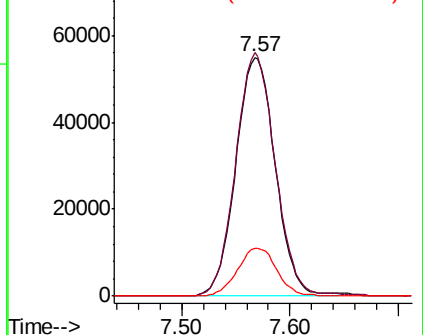


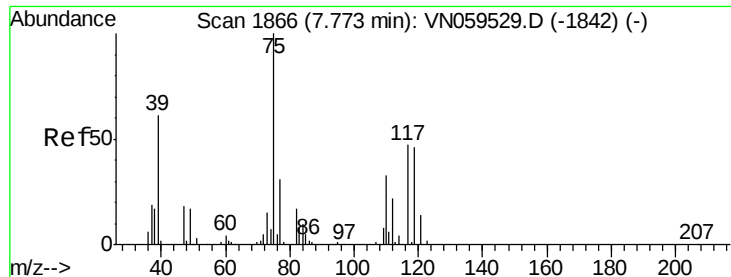
#35
 Dibromofluoromethane
 Concen: 47.941 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059538.D
 Acq: 10 Dec 2019 11:40

Tgt Ion:113 Resp: 139884
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.2 123.4
 192 20.0 14.8 22.2



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

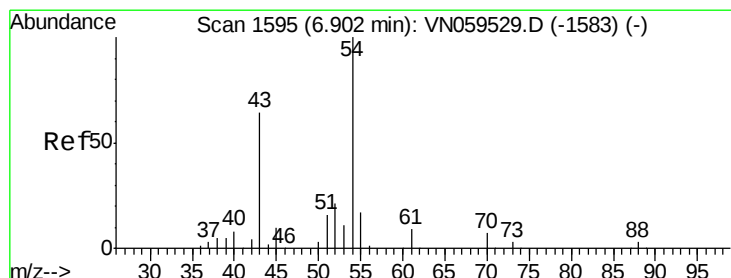
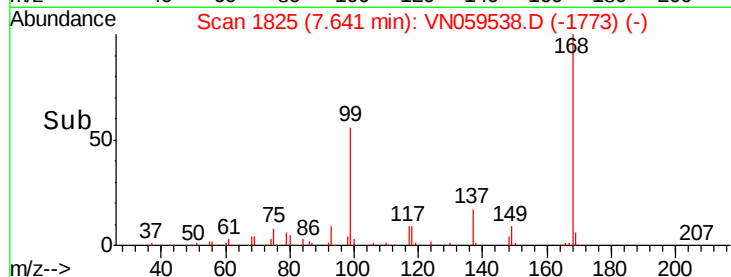
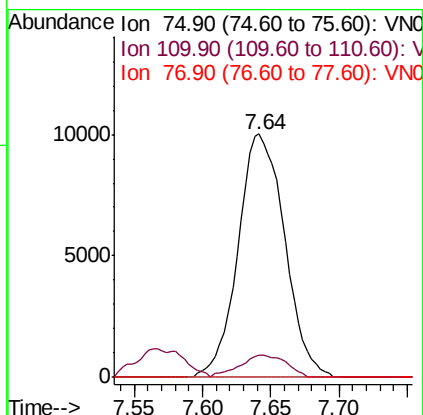
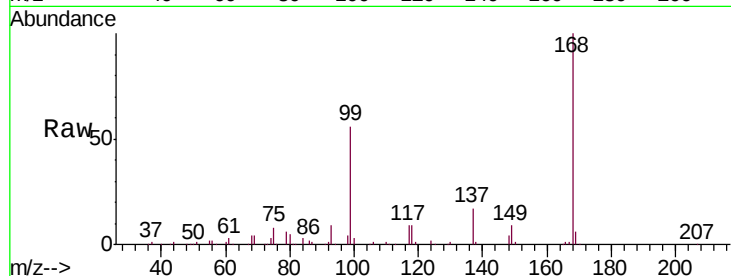




#36
 1,1-Dichloropropene
 Concen: 4.726 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059538.D
 Acq: 10 Dec 2019 11:40

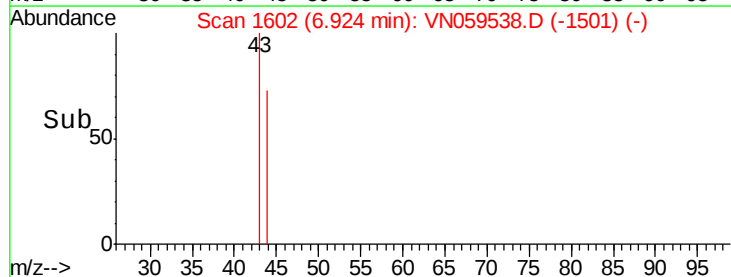
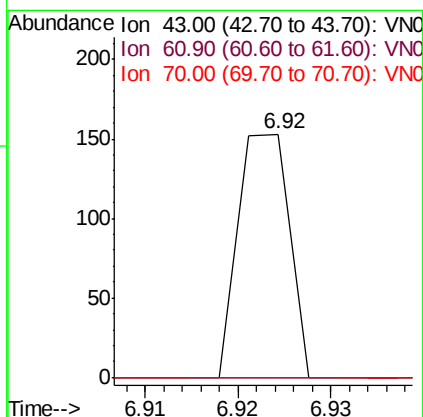
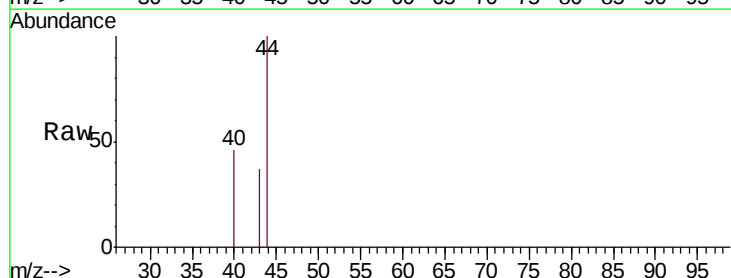
Instrument :
 MSVOA_N
 ClientSampled :
 VN1210MBL01

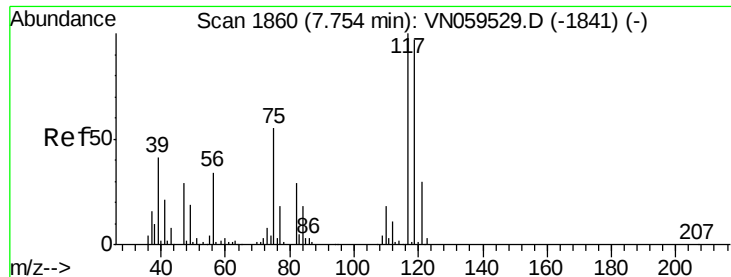
Tgt Ion: 75 Resp: 23709
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.7 50.0#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 1.547 ug/l
 RT: 6.92 min Scan# 1602
 Delta R.T. 0.02 min
 Lab File: VN059538.D
 Acq: 10 Dec 2019 11:40

Tgt Ion: 43 Resp: 59
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.0 16.6#
 70 0.0 7.7 11.5#





#38

Carbon Tetrachloride

Concen: 5.917 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059538.D

Acq: 10 Dec 2019 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN1210MBL01

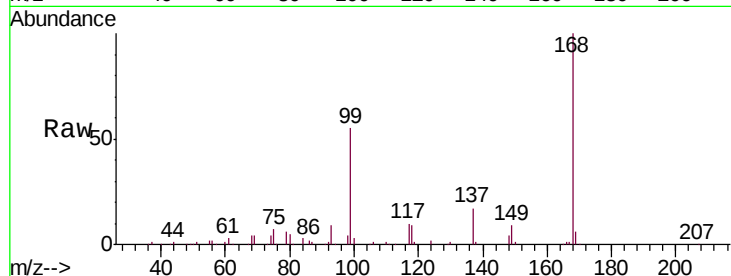
Tgt Ion:117 Resp: 29258

Ion Ratio Lower Upper

117 100

119 6.6 77.0 115.4#

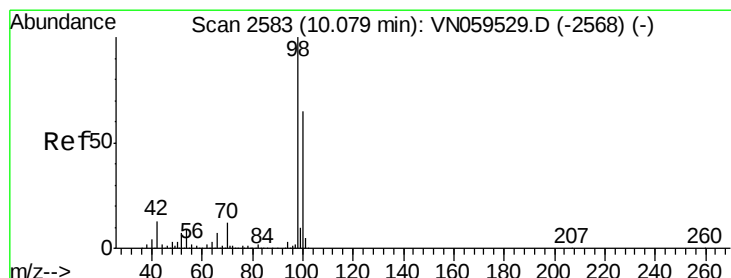
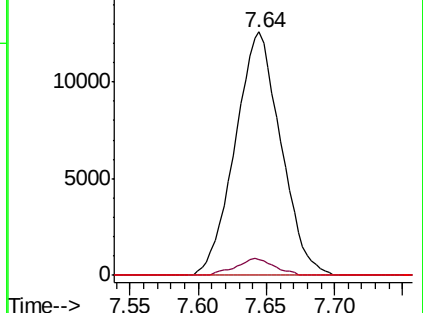
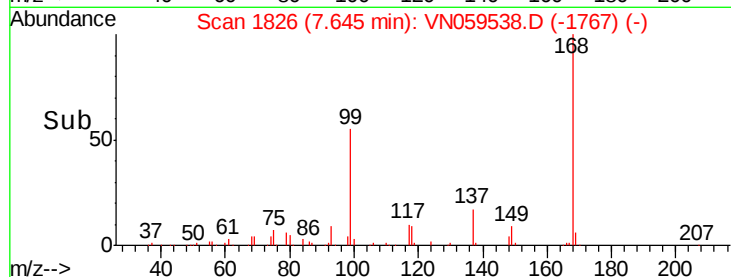
121 0.0 24.1 36.1#



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: 39.662 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059538.D

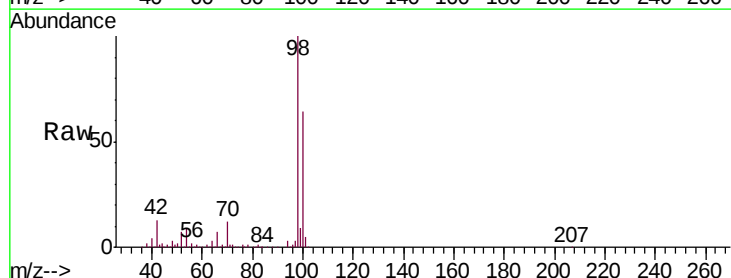
Acq: 10 Dec 2019 11:40

Tgt Ion: 98 Resp: 472467

Ion Ratio Lower Upper

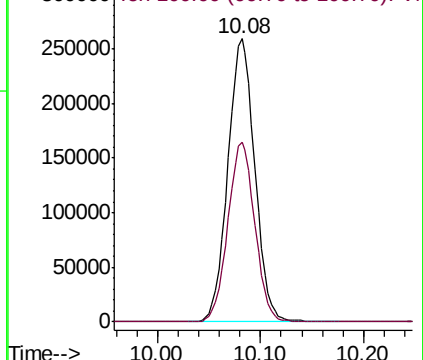
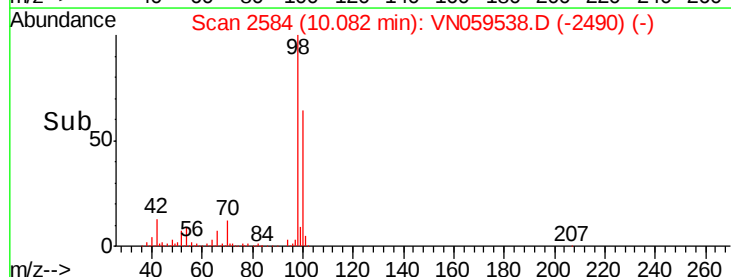
98 100

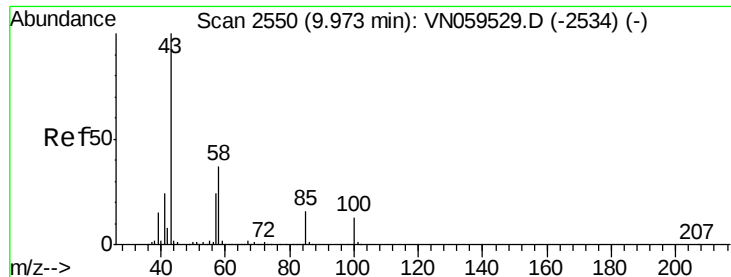
100 63.3 51.8 77.8



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: Below Cal

RT: 9.99 min Scan# 2555

Delta R.T. 0.02 min

Lab File: VN059538.D

Acq: 10 Dec 2019 11:40

Instrument :

MSVOA_N

ClientSampled :

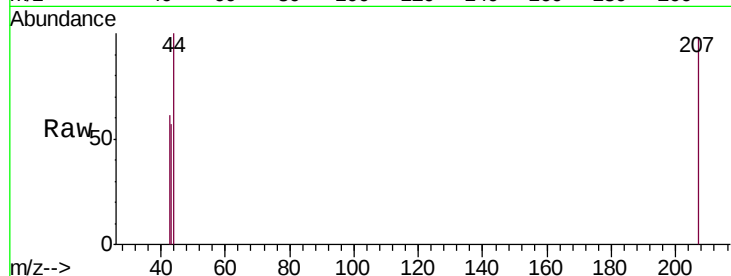
VN1210MBL01

Tgt Ion: 43 Resp: 640

Ion Ratio Lower Upper

43 100

58 0.0 30.1 45.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

500

400

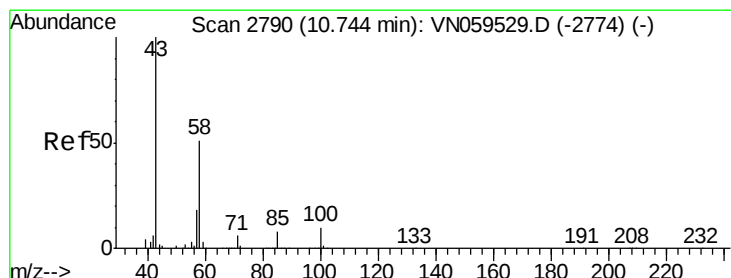
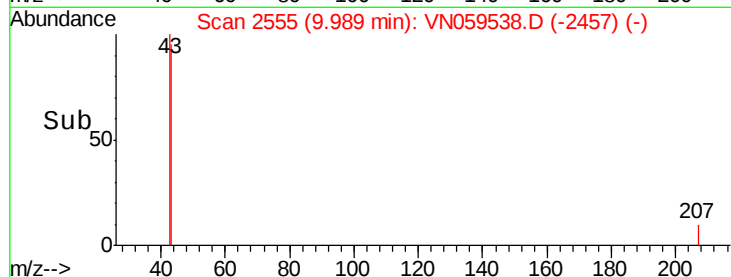
300

200

100

0

Time--> 9.94 9.96 9.98 10.00



#59

2-Hexanone

Concen: 2.525 ug/l

RT: 10.75 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN059538.D

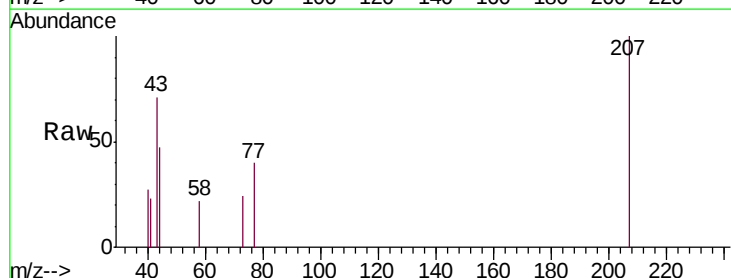
Acq: 10 Dec 2019 11:40

Tgt Ion: 43 Resp: 1317

Ion Ratio Lower Upper

43 100

58 19.2 25.9 77.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

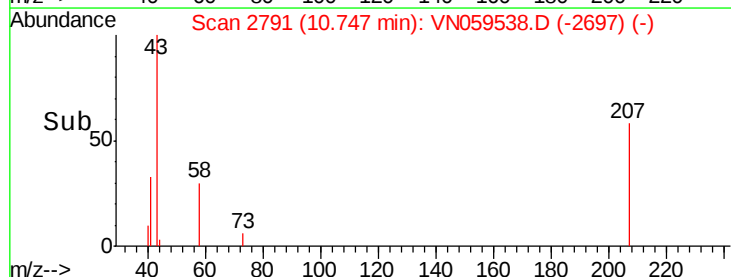
600

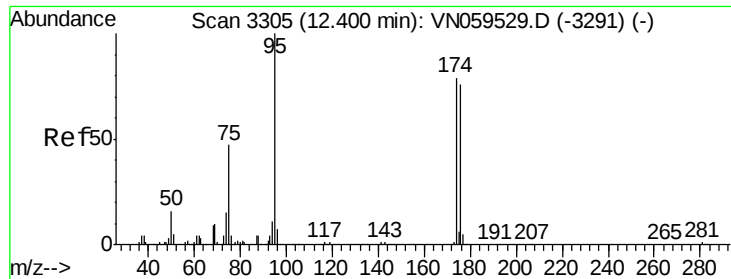
400

200

0

Time--> 10.70 10.75 10.80





#62

4-Bromofluorobenzene

Concen: 34.197 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059538.D

Acq: 10 Dec 2019 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN1210MBL01

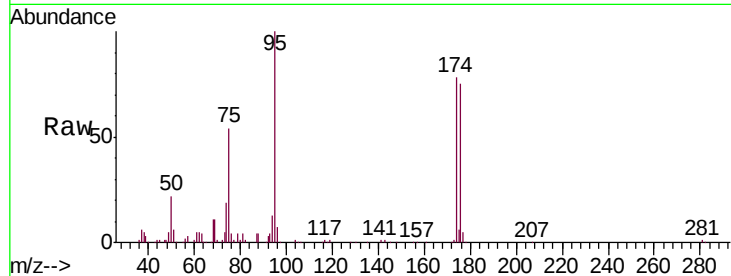
Tgt Ion: 95 Resp: 150790

Ion Ratio Lower Upper

95 100

174 76.6 0.0 158.0

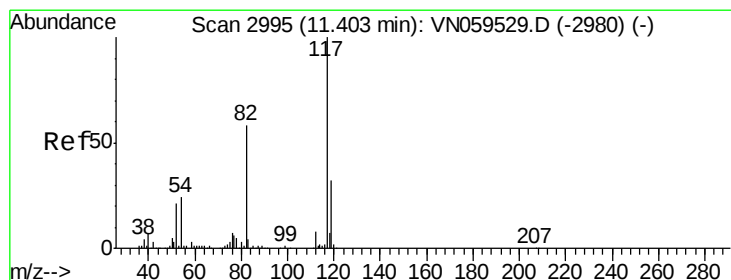
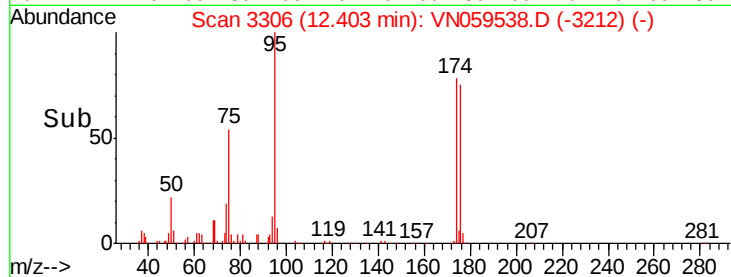
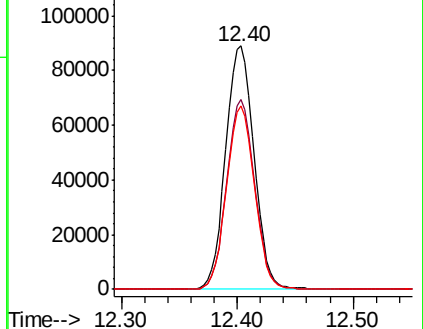
176 74.2 0.0 155.4



Abundance Ion 94.90 (94.60 to 95.60): VN059538.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN059538.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN059538.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059538.D

Acq: 10 Dec 2019 11:40

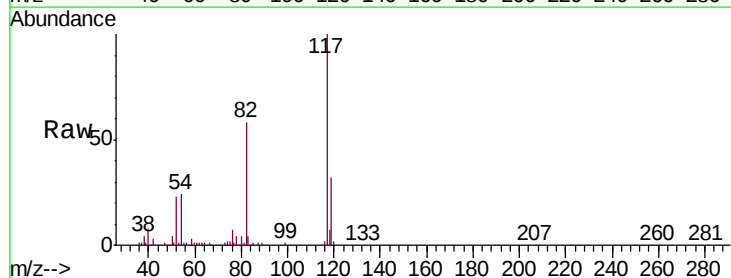
Tgt Ion: 117 Resp: 336311

Ion Ratio Lower Upper

117 100

82 58.0 46.5 69.7

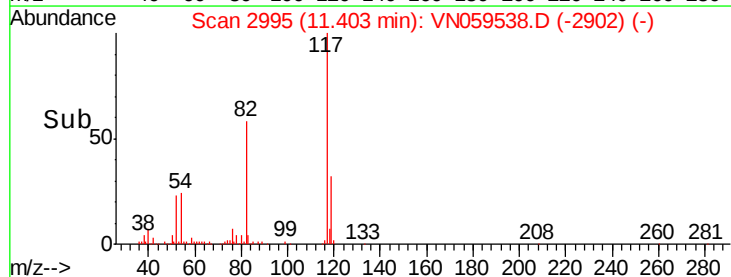
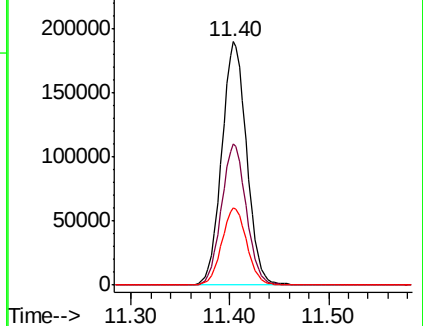
119 31.7 25.2 37.8

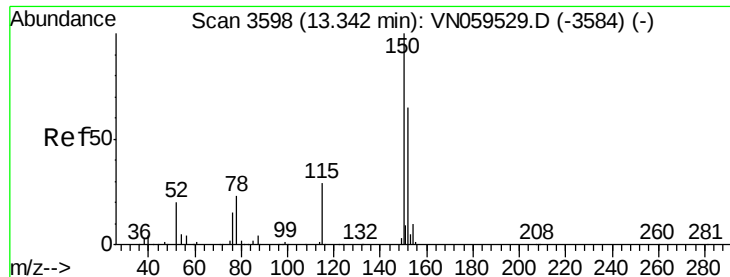


Abundance Ion 116.90 (116.60 to 117.60): VN059538.D (-2902) (-)

Ion 82.00 (81.70 to 82.70): VN059538.D (-2902) (-)

Ion 118.90 (118.60 to 119.60): VN059538.D (-2902) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059538.D

Acq: 10 Dec 2019 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN1210MBL01

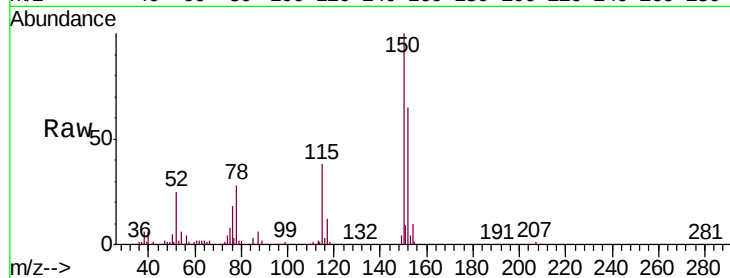
Tgt Ion:152 Resp: 128224

Ion Ratio Lower Upper

152 100

115 59.7 29.4 88.2

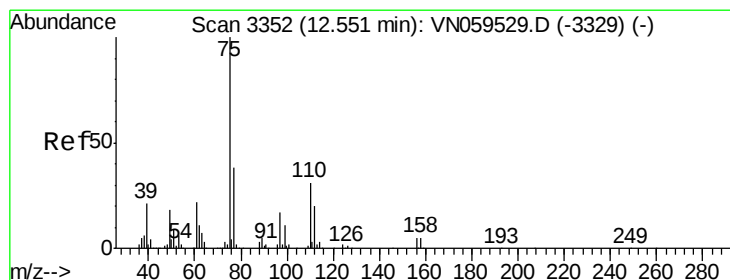
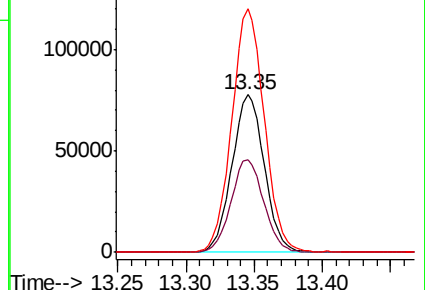
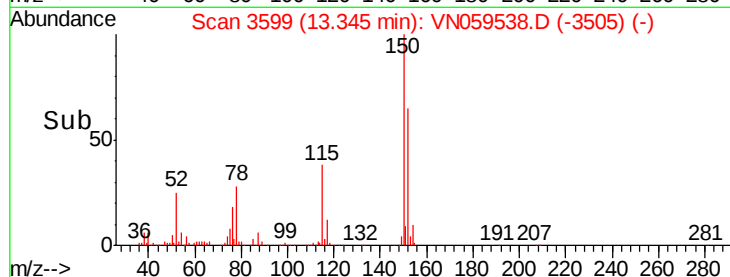
150 154.8 0.0 342.4



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: 24.697 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059538.D

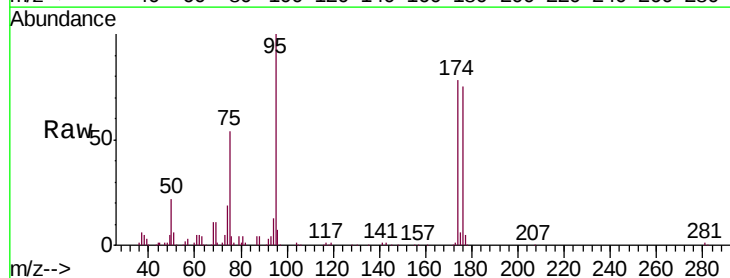
Acq: 10 Dec 2019 11:40

Tgt Ion: 75 Resp: 80983

Ion Ratio Lower Upper

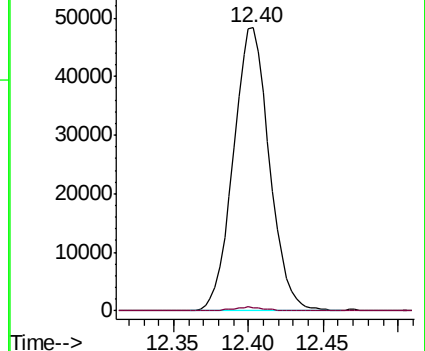
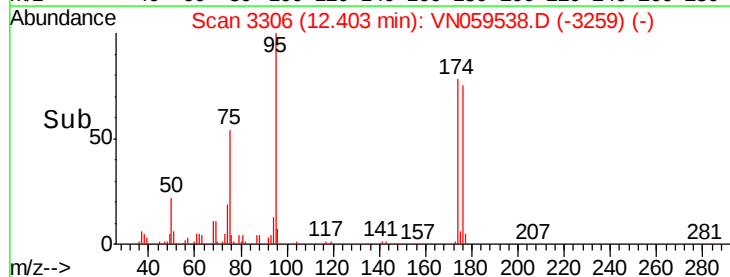
75 100

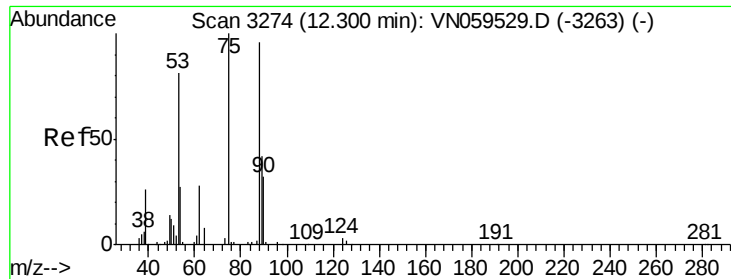
77 1.2 0.0 0.0#



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: 66.448 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059538.D

Acq: 10 Dec 2019 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN1210MBL01

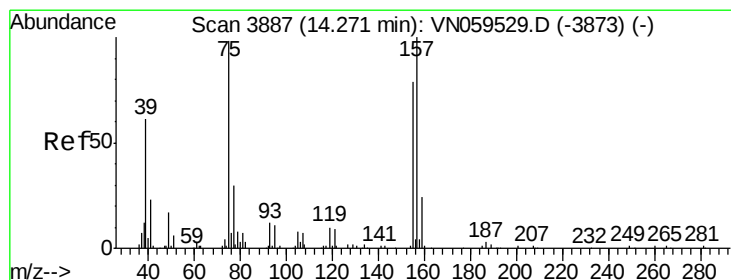
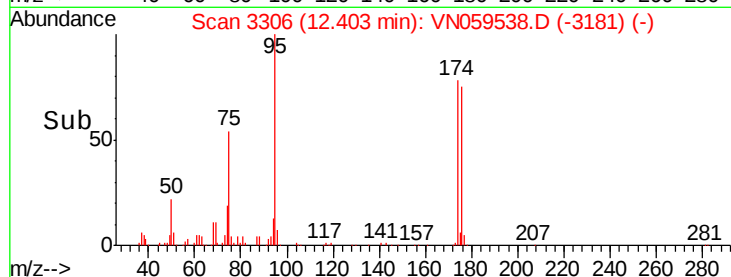
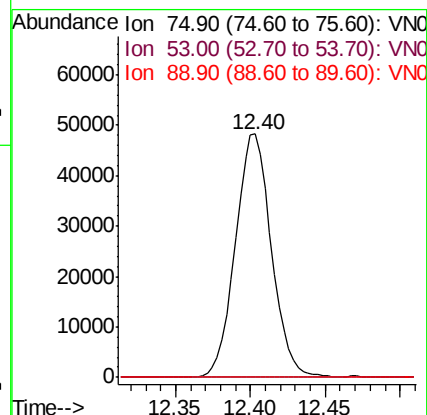
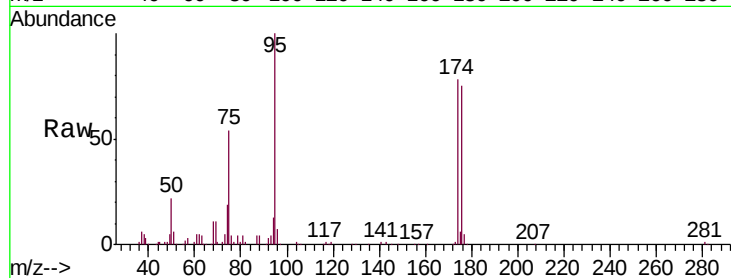
Tgt Ion: 75 Resp: 80983

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.6#

89 0.0 35.5 53.3#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.291 ug/l

RT: 14.25 min Scan# 3881

Delta R.T. -0.02 min

Lab File: VN059538.D

Acq: 10 Dec 2019 11:40

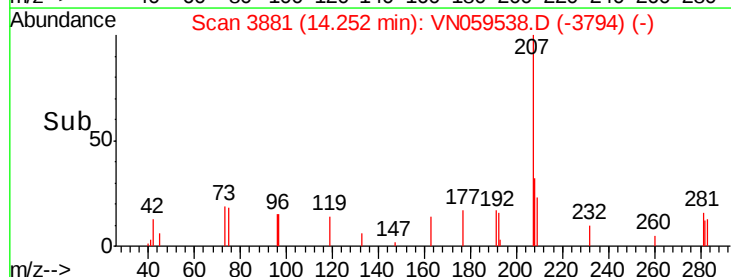
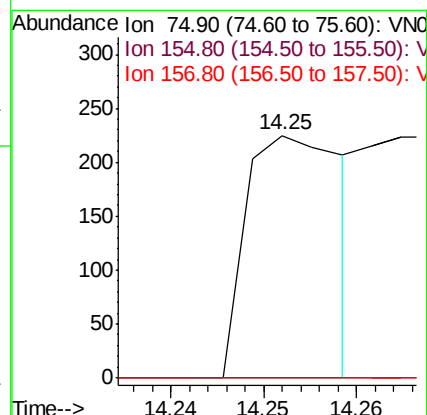
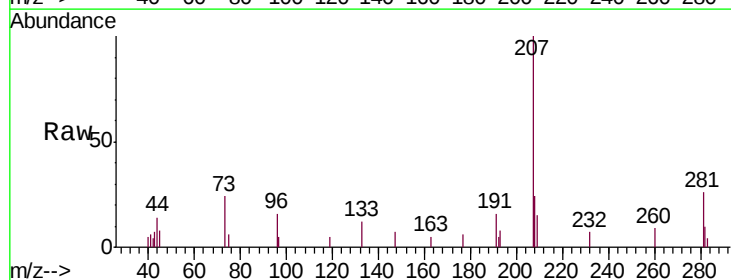
Tgt Ion: 75 Resp: 164

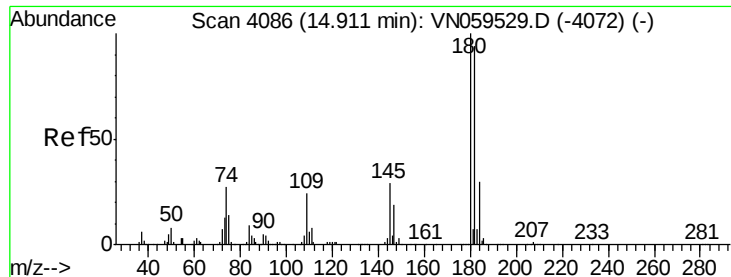
Ion Ratio Lower Upper

75 100

155 0.0 40.4 121.1#

157 0.0 51.1 153.3#

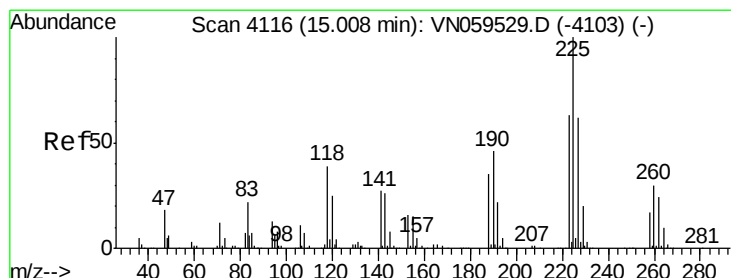
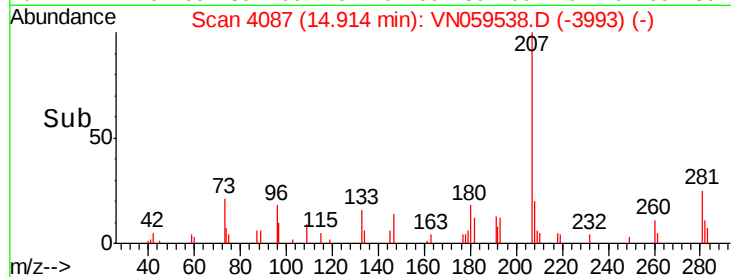
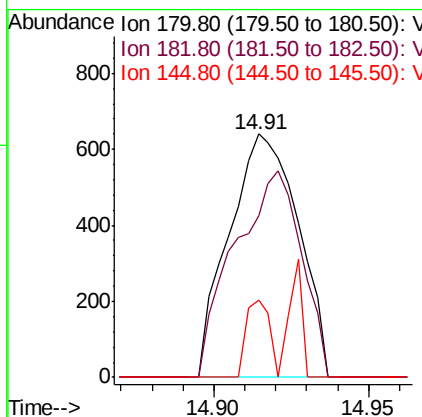
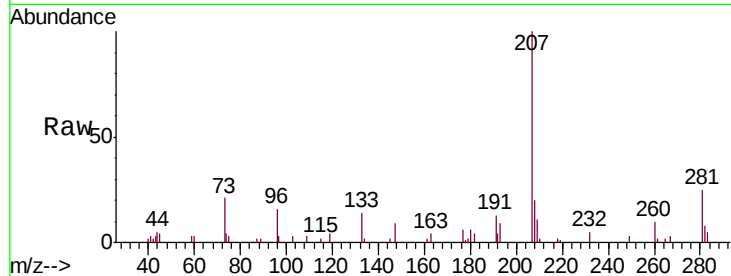




#93
 1,2,4-Trichlorobenzene
 Concen: 0.348 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059538.D
 Acq: 10 Dec 2019 11:40

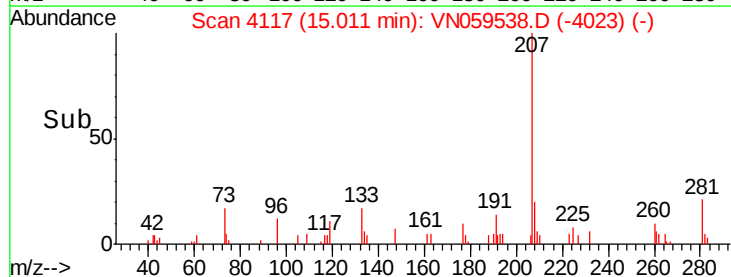
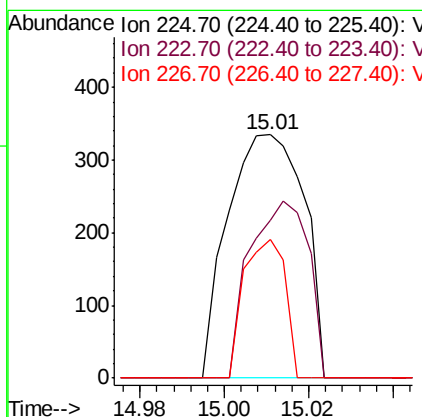
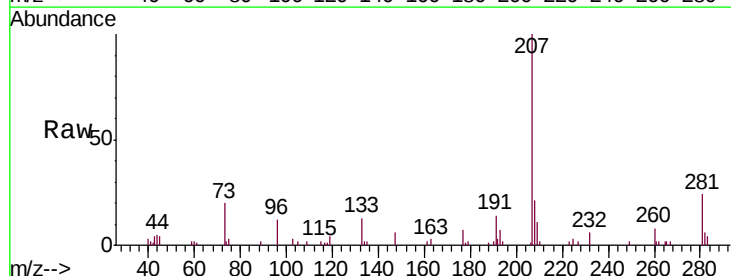
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210MBL01

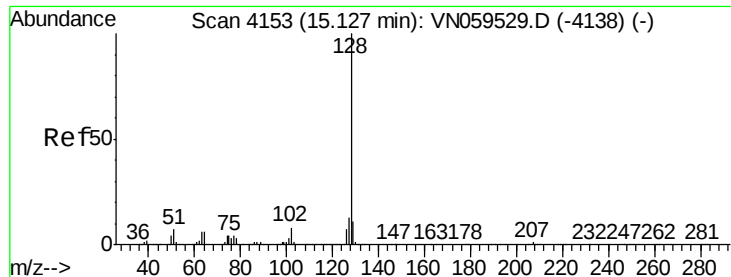
Tgt Ion:180 Resp: 997
 Ion Ratio Lower Upper
 180 100
 182 82.1 47.3 142.0
 145 10.7 14.9 44.7#



#94
 Hexachlorobutadiene
 Concen: 0.287 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059538.D
 Acq: 10 Dec 2019 11:40

Tgt Ion:225 Resp: 420
 Ion Ratio Lower Upper
 225 100
 223 55.7 31.3 93.9
 227 31.2 31.6 95.0#





#95

Naphthalene

Concen: 0.491 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059538.D

Acq: 10 Dec 2019 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN1210MBL01

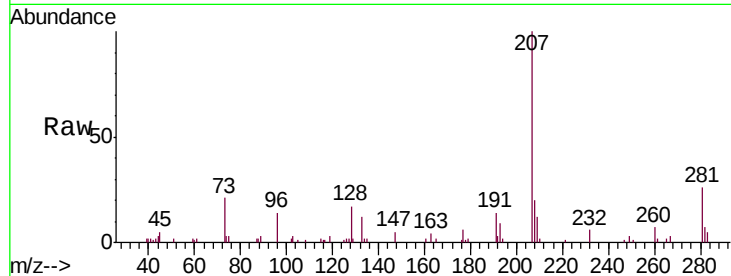
Tgt Ion:128 Resp: 4110

Ion Ratio Lower Upper

128 100

127 10.7 10.2 15.4

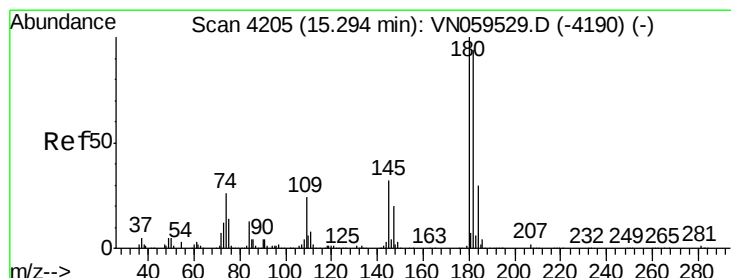
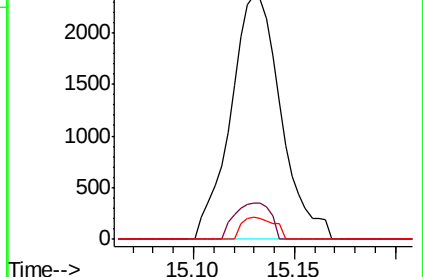
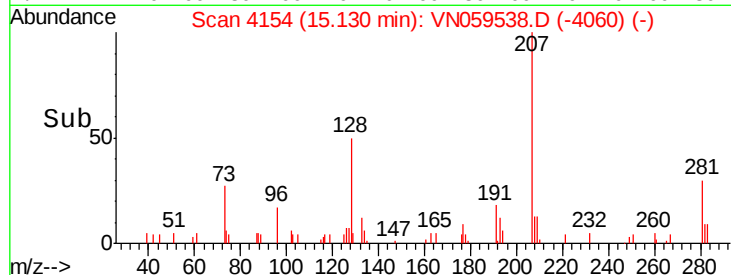
129 5.9 8.6 13.0#



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: 2.886 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059538.D

Acq: 10 Dec 2019 11:40

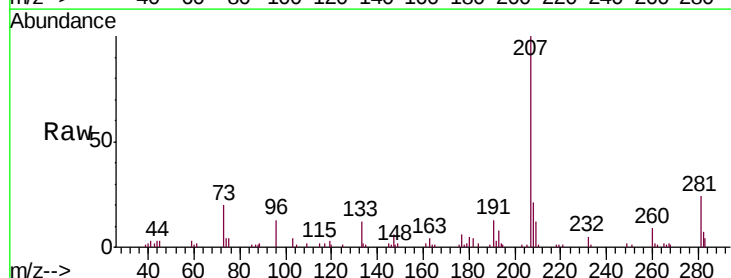
Tgt Ion:180 Resp: 1395

Ion Ratio Lower Upper

180 100

182 93.1 47.1 141.4

145 52.8 15.8 47.4#



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

