

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112119\
 Data File : VN059347.D
 Acq On : 21 Nov 2019 19:30
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 22 06:07:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	369032	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	571255	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	478252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	177913	50.00	ug/l	0.00

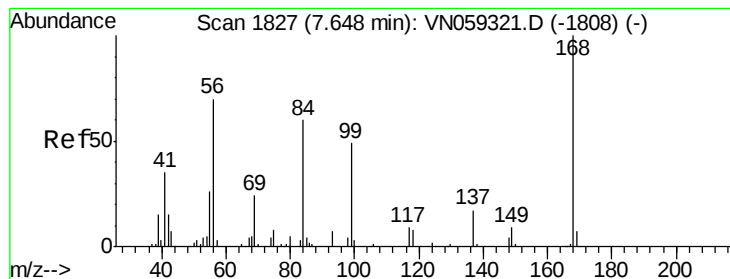
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	212514	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
35) Dibromofluoromethane	7.57	113	167937	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
50) Toluene-d8	10.08	98	682033	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.40	95	218096	45.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.56%	

Target Compounds

					Qvalue	
5) Bromomethane	2.55	94	737	0.223	ug/l	88
17) Carbon Disulfide	4.02	76	2741	0.359	ug/l #	75
31) Cyclohexane	7.65	56	6896	0.884	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	27008	4.580	ug/l #	50
38) Carbon Tetrachloride	7.64	117	34365	6.087	ug/l #	16
74) N-amyl acetate	12.05	43	9962	1.701	ug/l #	64
76) 1,2,3-Trichloropropane	12.40	75	105590	25.690	ug/l #	100
78) n-propylbenzene	12.59	91	3327	0.202	ug/l	89
80) 1,3,5-Trimethylbenzene	12.73	105	2749	0.224	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	105590	64.254	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.04	105	10636	0.886	ug/l	96
89) n-Butylbenzene	13.62	91	2849	0.262	ug/l #	75
90) Hexachloroethane	13.89	117	549	0.234	ug/l #	9
93) 1,2,4-Trichlorobenzene	14.92	180	1043	3.198	ug/l #	19
95) Naphthalene	15.13	128	6188	3.721	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	1627	2.322	ug/l #	72

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059347.D

Acq: 21 Nov 2019 19:30

Instrument :

MSVOA_N

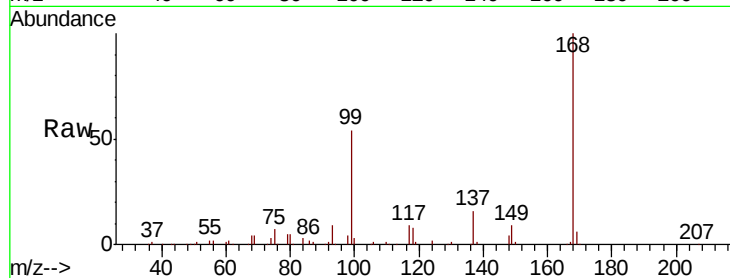
ClientSampleId :

Tot Ion:168 Resp: 369032

Ion Ratio Lower Upper

168 100

99 53.9 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

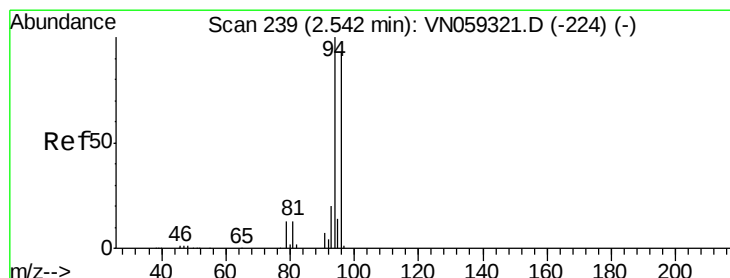
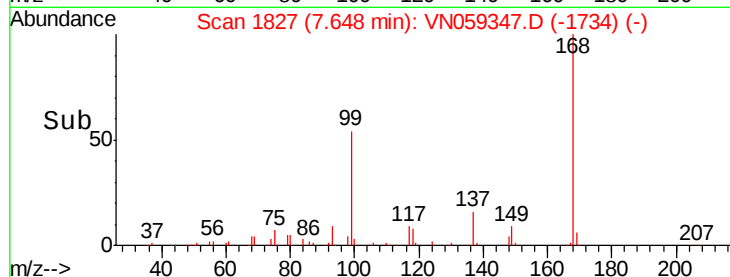
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.223 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN059347.D

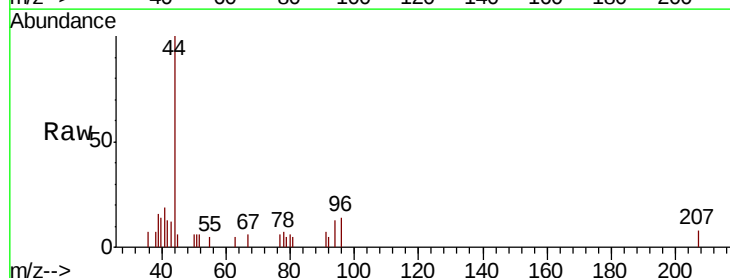
Acq: 21 Nov 2019 19:30

Tgt Ion: 94 Resp: 737

Ion Ratio Lower Upper

94 100

96 104.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

500

400

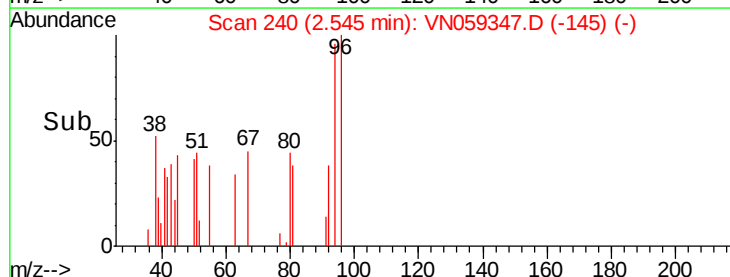
300

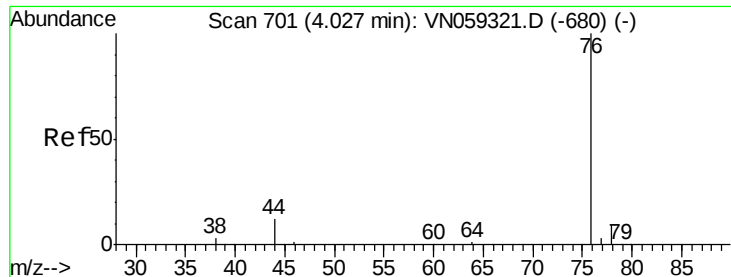
200

100

0

Time-->





#17

Carbon Disulfide

Concen: 0.359 ug/l

RT: 4.02 min Scan# 699

Delta R.T. -0.01 min

Lab File: VN059347.D

Acq: 21 Nov 2019 19:30

Instrument :

MSVOA_N

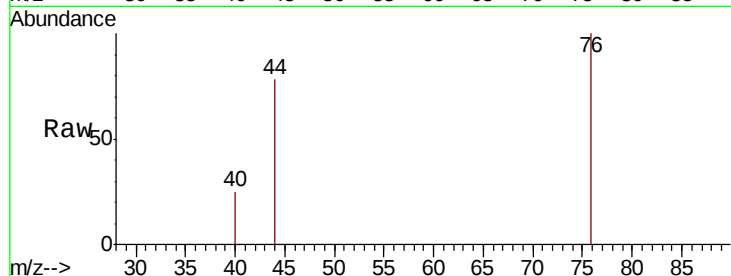
ClientSampleId :

Tot Ion: 76 Resp: 2741

Ion Ratio Lower Upper

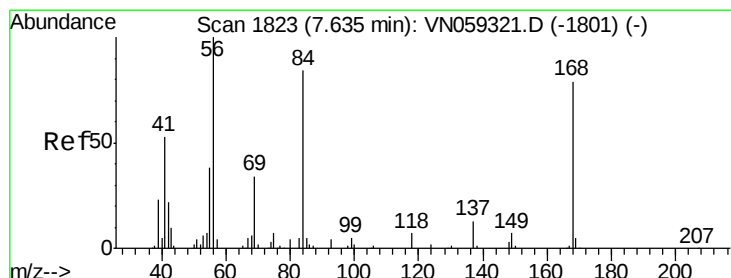
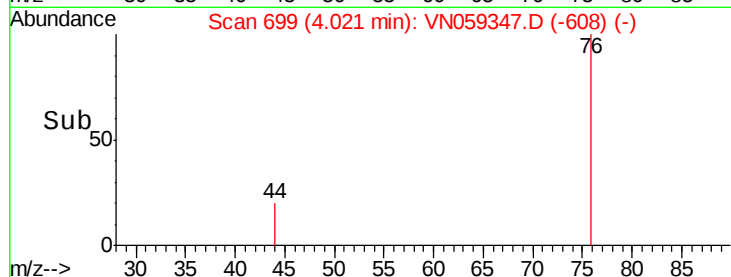
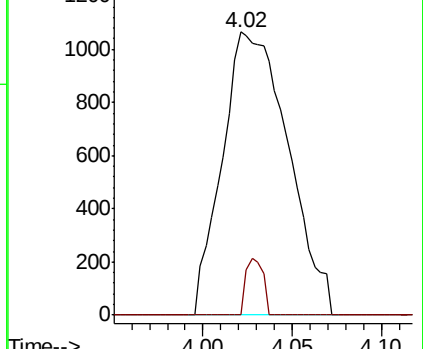
76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#31

Cyclohexane

Concen: 0.884 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.02 min

Lab File: VN059347.D

Acq: 21 Nov 2019 19:30

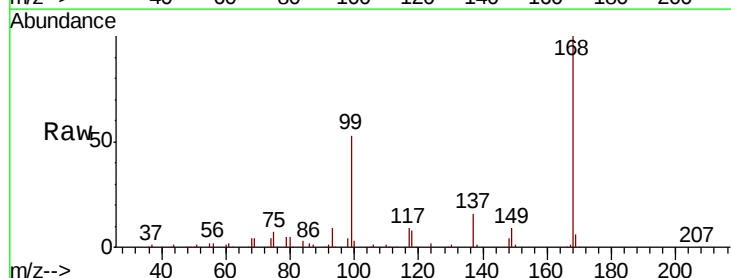
Tgt Ion: 56 Resp: 6896

Ion Ratio Lower Upper

56 100

69 188.4 26.6 40.0#

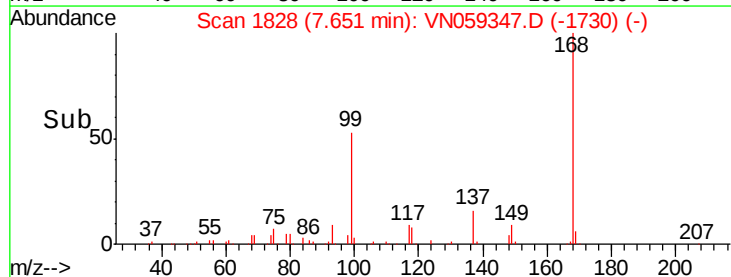
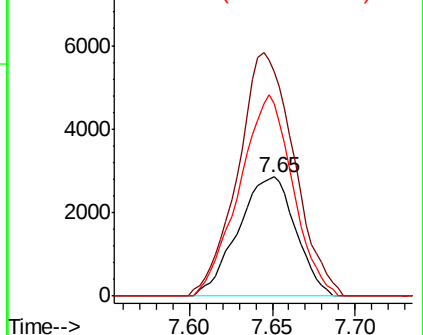
84 161.5 67.0 100.4#

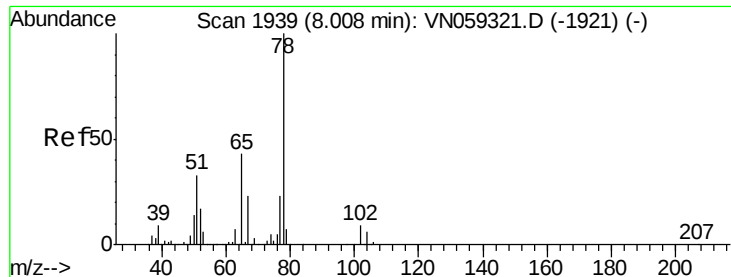


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

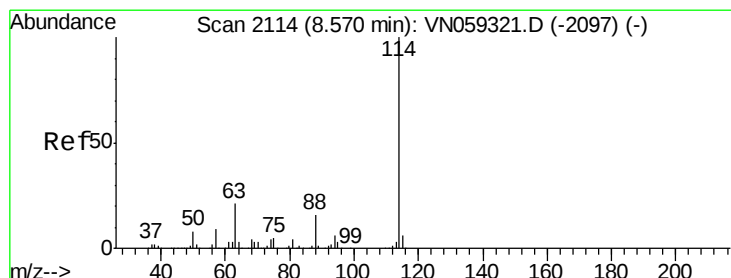
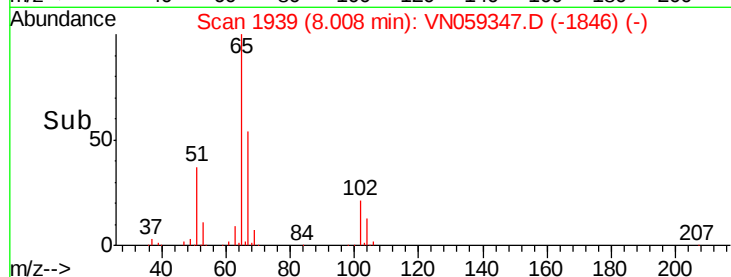
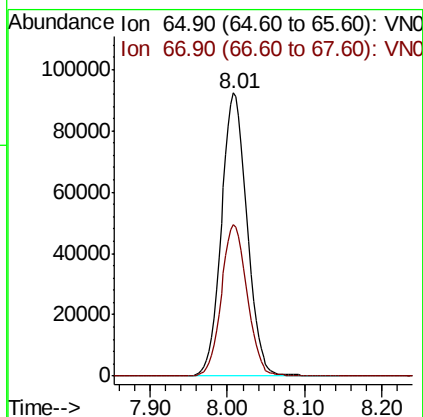
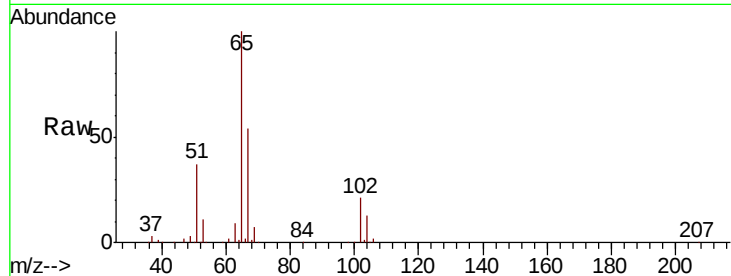




#33
 1,2-Dichloroethane-d4
 Concen: 47.996 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059347.D
 Acq: 21 Nov 2019 19:30

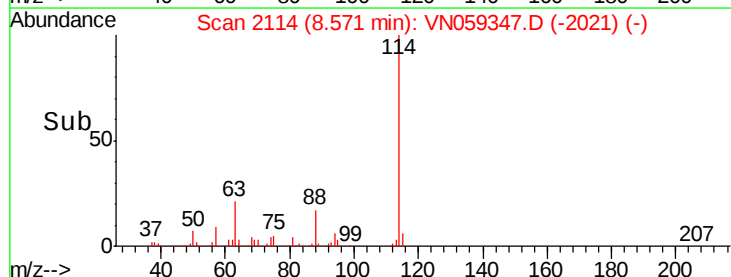
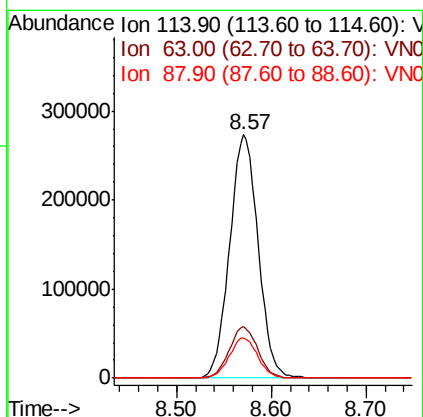
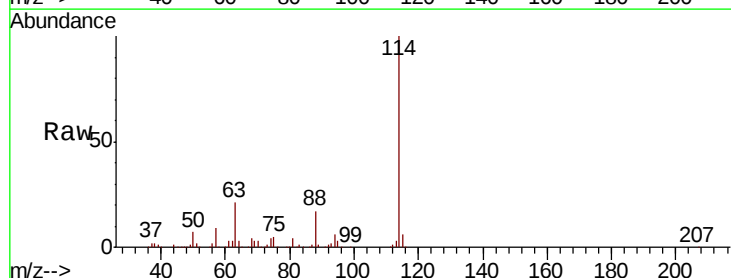
Instrument :
 MSVOA_N
 ClientSampled :

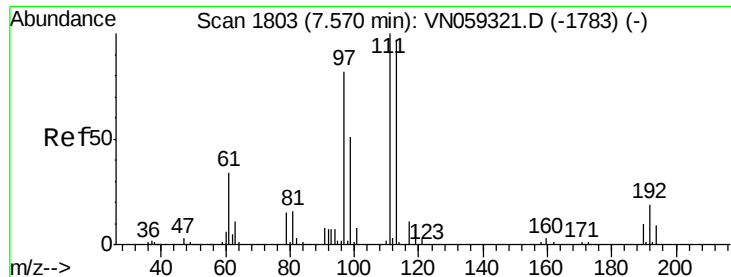
Tot Ion: 65 Resp: 212514
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059347.D
 Acq: 21 Nov 2019 19:30

Tgt Ion: 114 Resp: 571255
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.2
 88 16.5 0.0 32.2

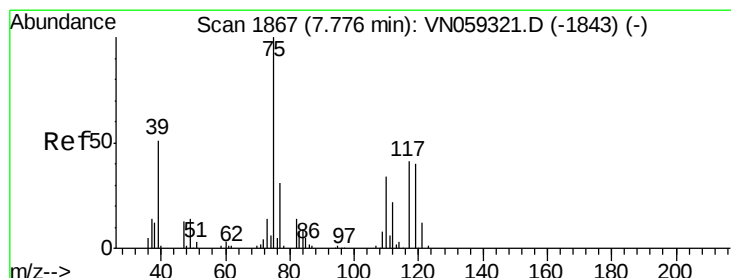
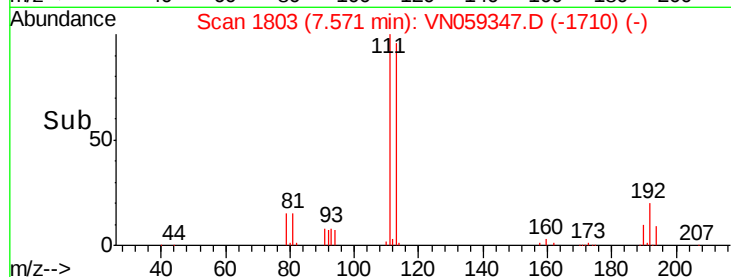
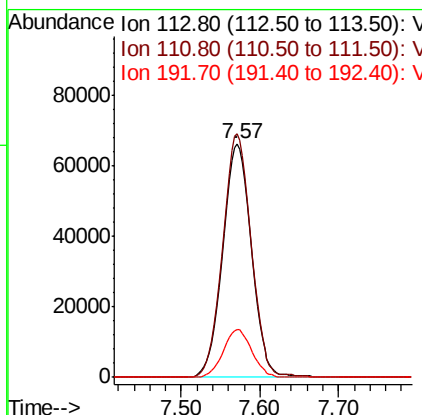
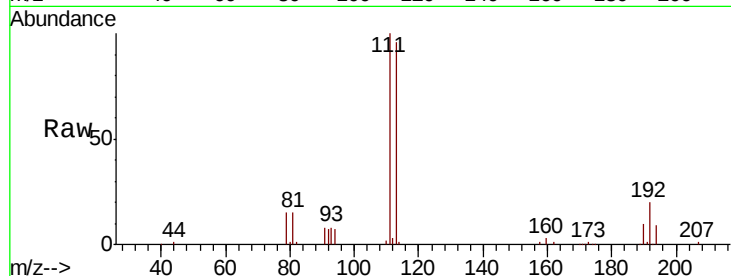




#35
 Dibromofluoromethane
 Concen: 49.001 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059347.D
 Acq: 21 Nov 2019 19:30

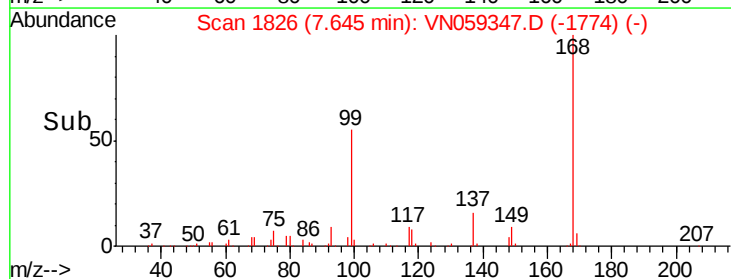
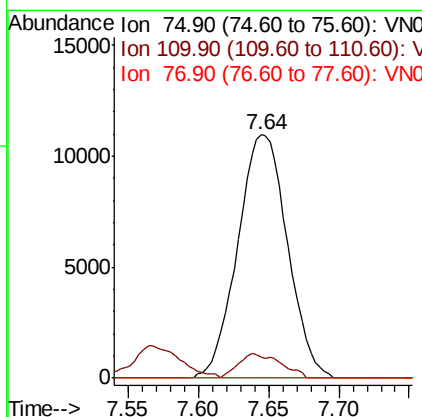
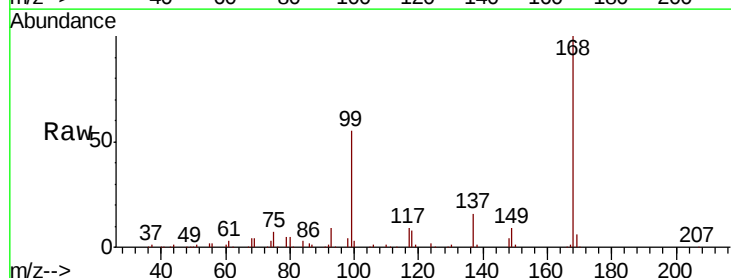
Instrument :
 MSVOA_N
 ClientSampleId :

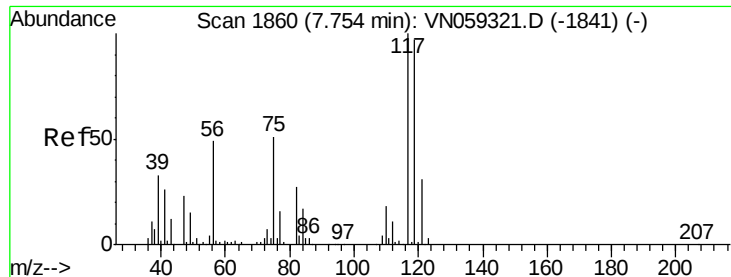
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.7	124.1
192	20.3	16.3	24.5



#36
 1,1-Dichloropropene
 Concen: 4.580 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059347.D
 Acq: 21 Nov 2019 19:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.0	51.0#
77	0.0	24.8	37.2#

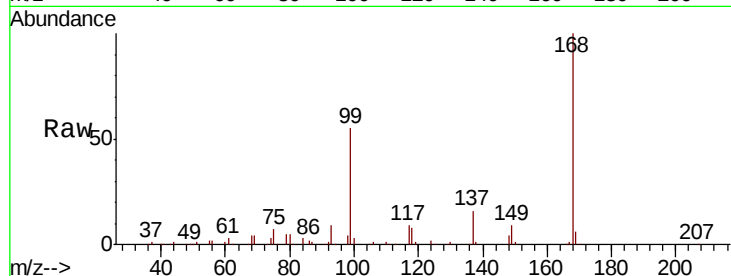




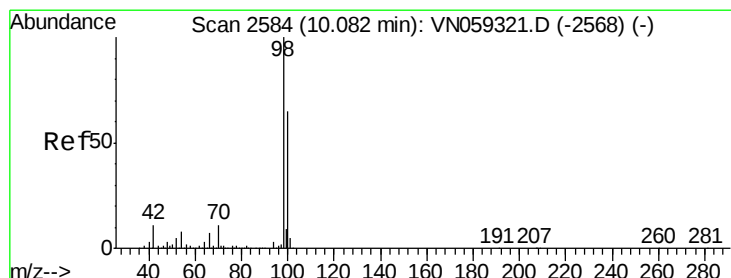
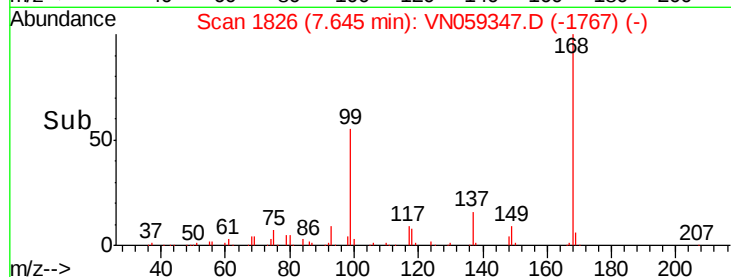
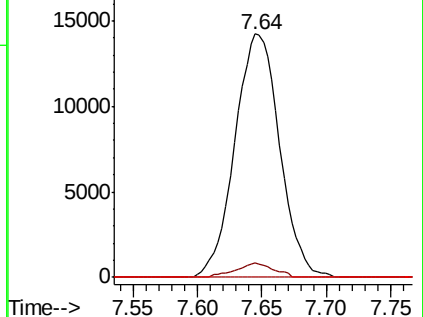
#38
Carbon Tetrachloride
Concen: 6.087 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN059347.D
Acq: 21 Nov 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 34365
Ion Ratio Lower Upper
117 100
119 5.9 77.0 115.4#
121 0.0 24.4 36.6#

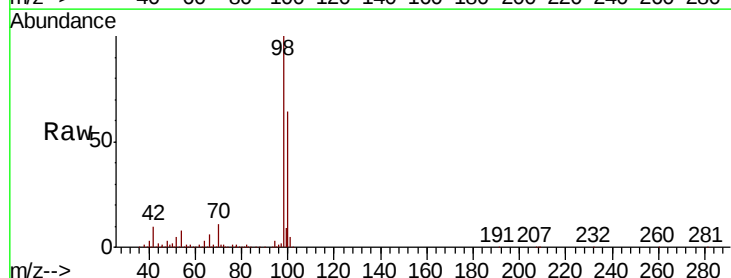


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

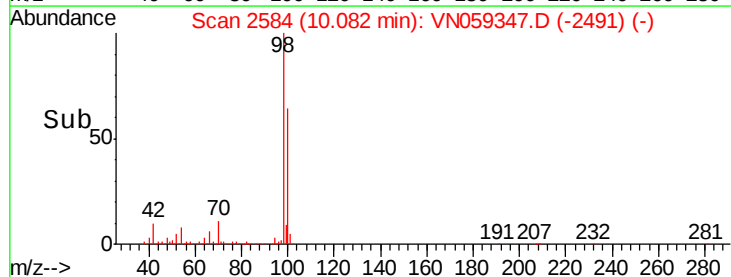
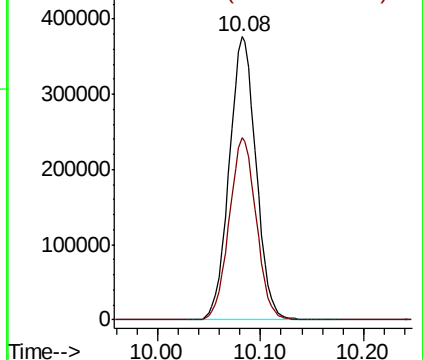


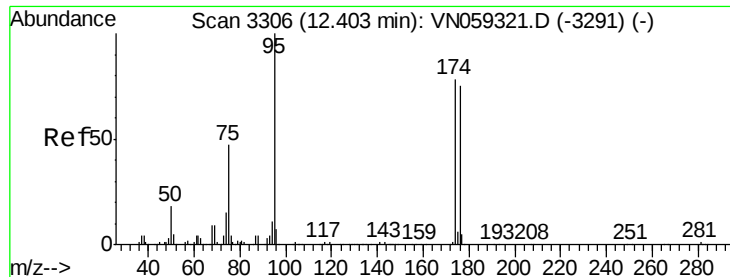
#50
Toluene-d8
Concen: 50.059 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059347.D
Acq: 21 Nov 2019 19:30

Tgt Ion: 98 Resp: 682033
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5



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





#62

4-Bromofluorobenzene

Concen: 45.781 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059347.D

Acq: 21 Nov 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

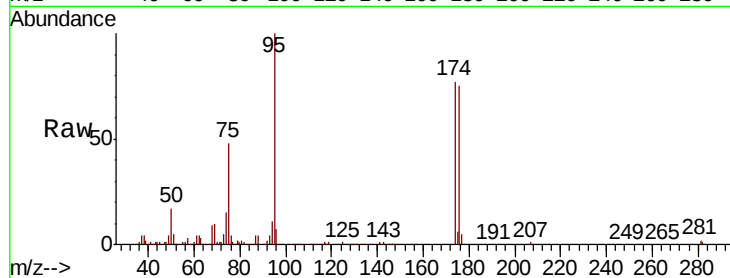
Tot Ion: 95 Resp: 218096

Ion Ratio Lower Upper

95 100

174 77.5 0.0 157.4

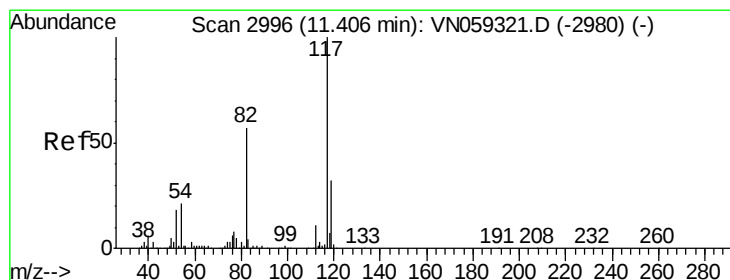
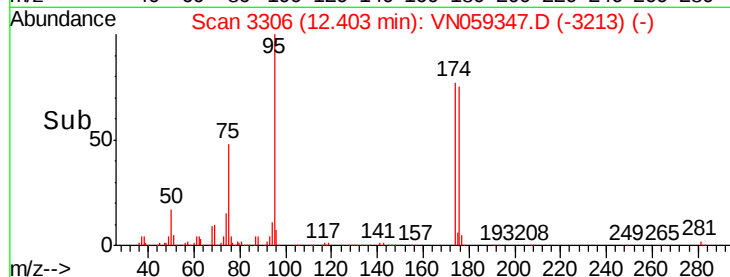
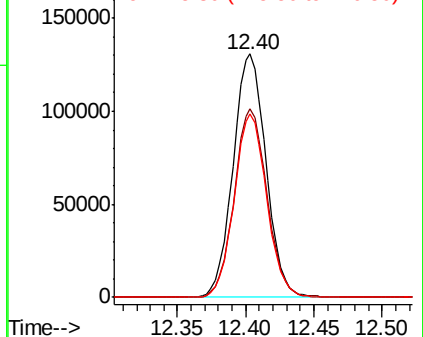
176 74.7 0.0 151.2



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

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

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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN059347.D

Acq: 21 Nov 2019 19:30

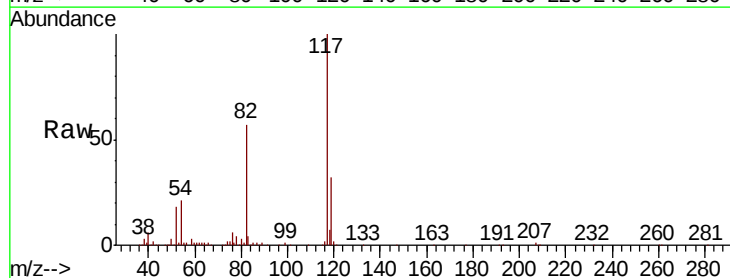
Tgt Ion: 117 Resp: 478252

Ion Ratio Lower Upper

117 100

82 56.7 45.7 68.5

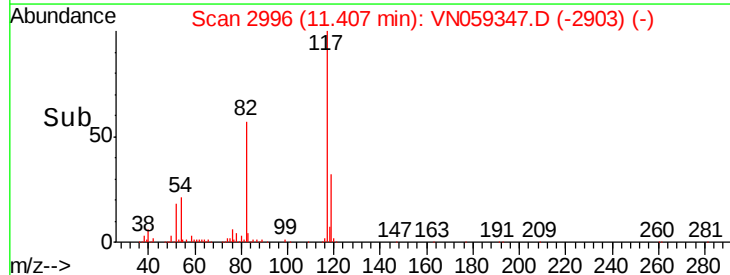
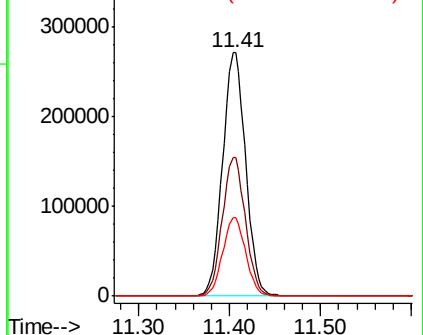
119 32.2 25.8 38.6

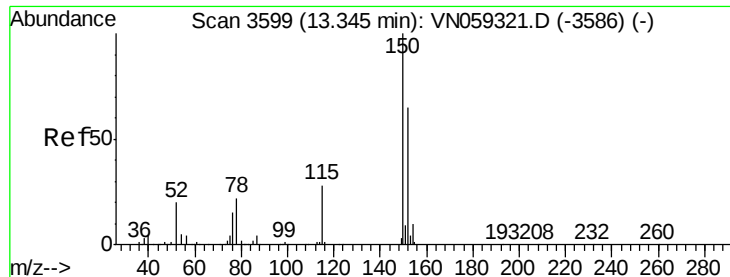


Abundance Ion 116.90 (116.60 to 117.60): VN059321.D (-2980) (-)

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

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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059347.D

Acq: 21 Nov 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

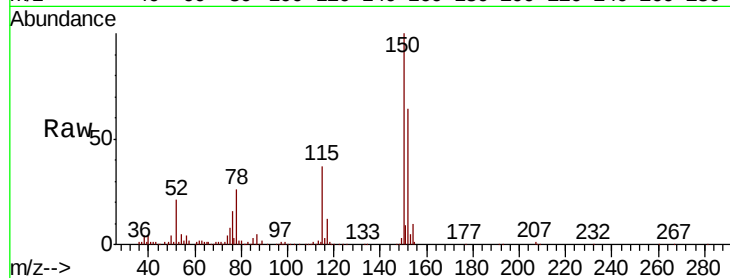
Tot Ion:152 Resp: 177913

Ion Ratio Lower Upper

152 100

115 58.7 29.3 88.0

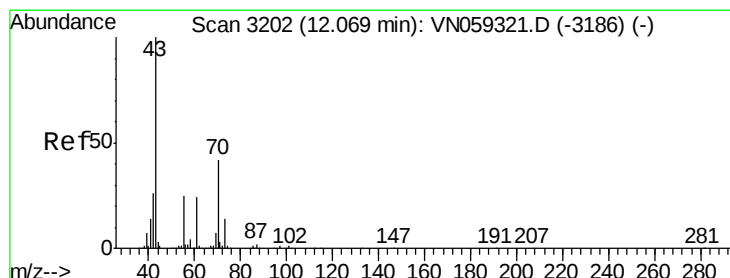
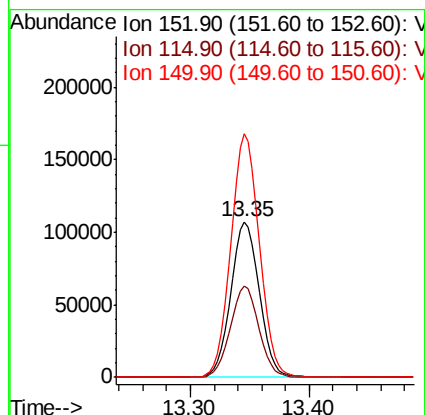
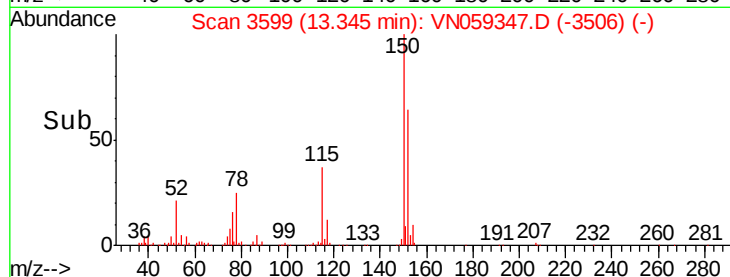
150 157.2 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 1.701 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN059347.D

Acq: 21 Nov 2019 19:30

Tgt Ion: 43 Resp: 9962

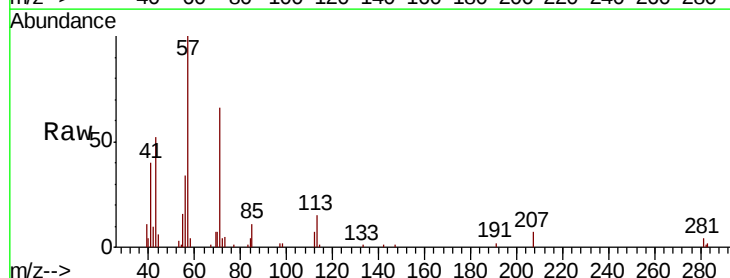
Ion Ratio Lower Upper

43 100

70 17.3 33.8 50.6#

55 16.9 20.3 30.5#

61 0.0 19.9 29.9#

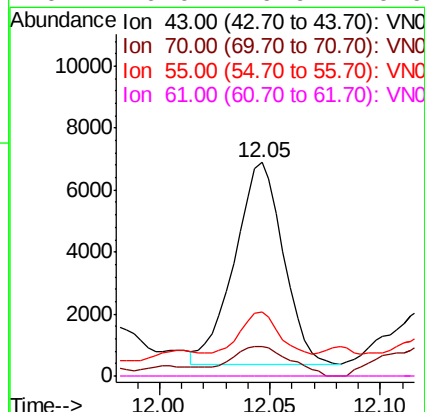
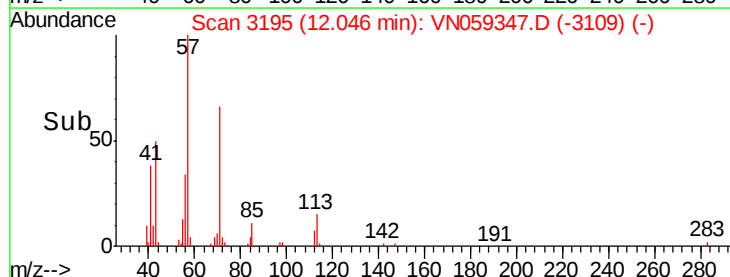


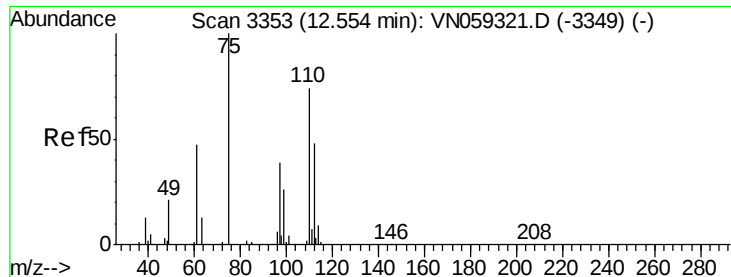
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 25.690 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059347.D

Acq: 21 Nov 2019 19:30

Instrument :

MSVOA_N

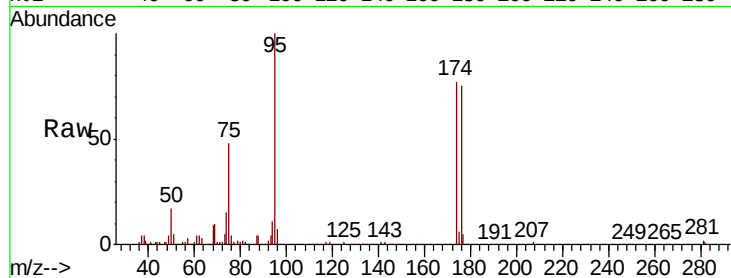
ClientSampled :

Tot Ion: 75 Resp: 105590

Ion Ratio Lower Upper

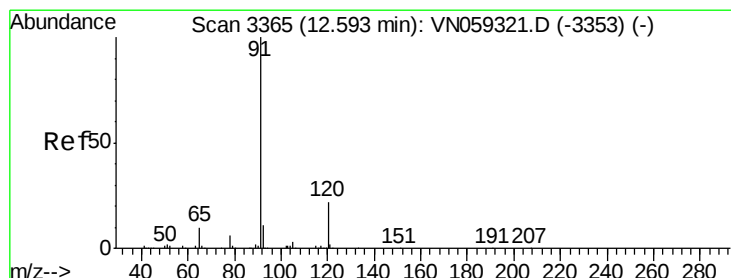
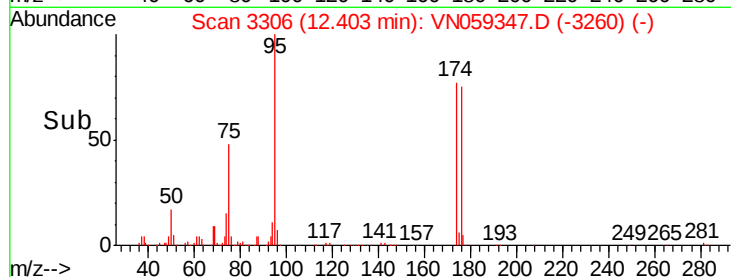
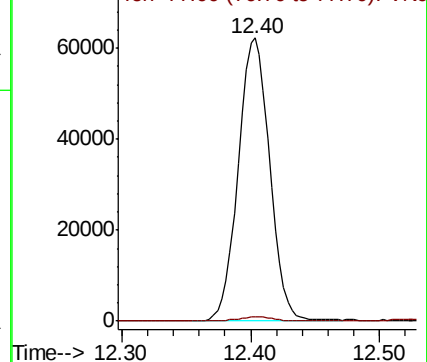
75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 0.202 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059347.D

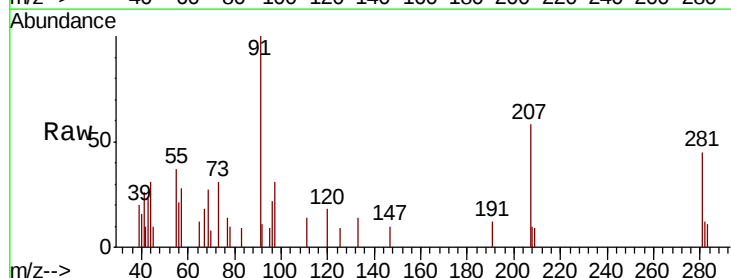
Acq: 21 Nov 2019 19:30

Tgt Ion: 91 Resp: 3327

Ion Ratio Lower Upper

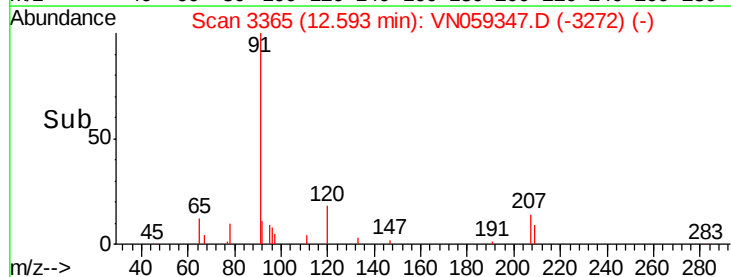
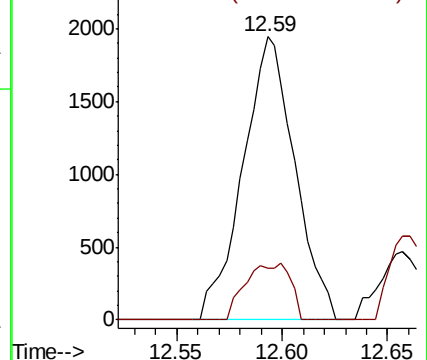
91 100

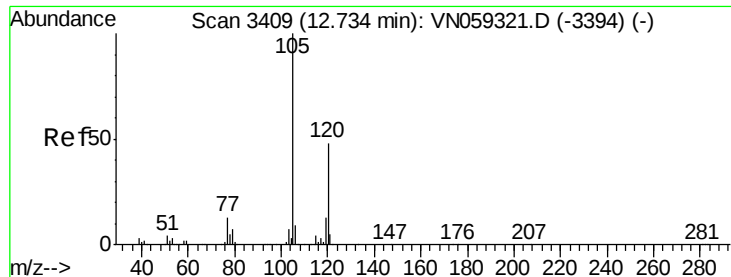
120 17.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.224 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059347.D

Acq: 21 Nov 2019 19:30

Instrument :

MSVOA_N

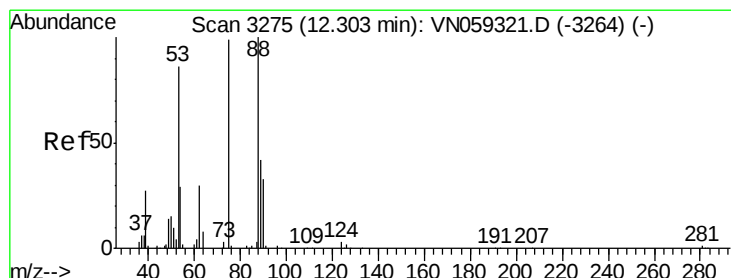
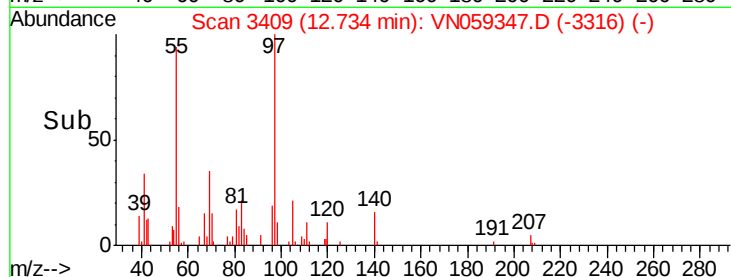
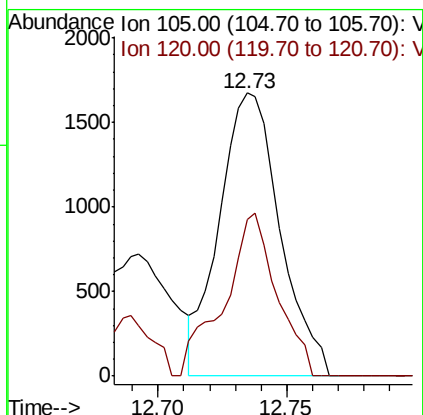
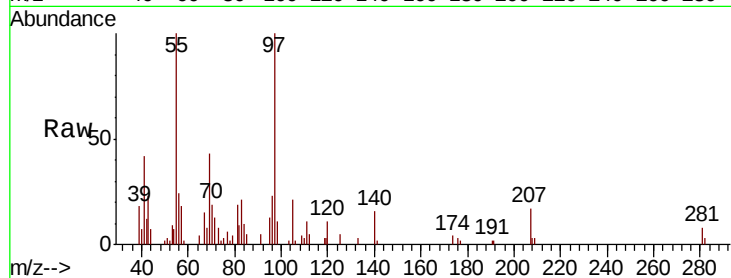
ClientSampleId :

Tot Ion:105 Resp: 2749

Ion Ratio Lower Upper

105 100

120 50.1 24.1 72.4



#81

trans-1,4-Dichloro-2-butene

Concen: 64.254 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059347.D

Acq: 21 Nov 2019 19:30

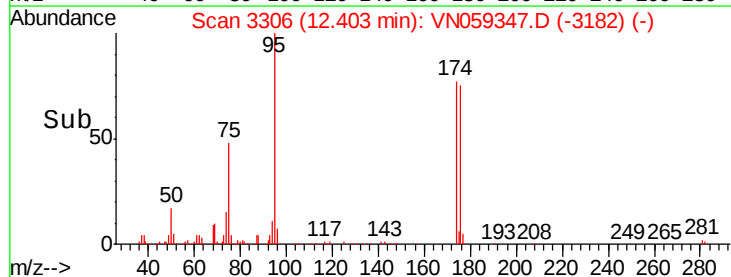
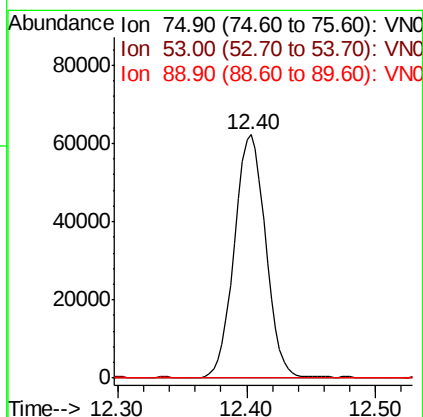
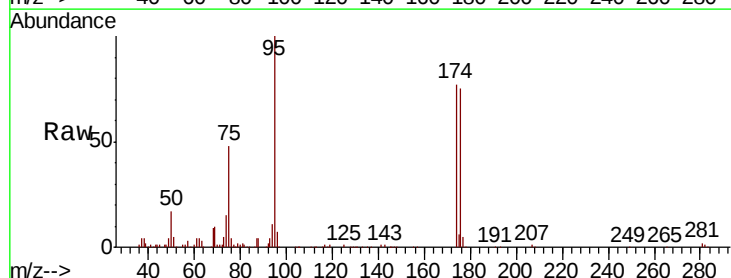
Tgt Ion: 75 Resp: 105590

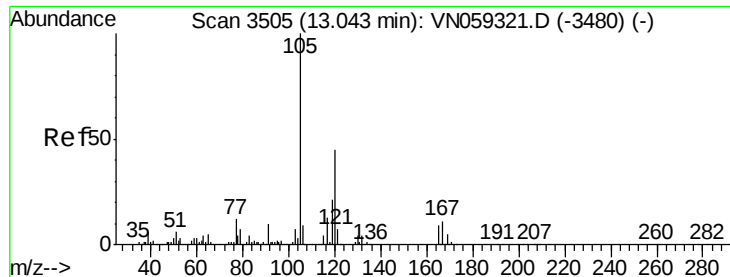
Ion Ratio Lower Upper

75 100

53 0.0 70.7 106.1#

89 0.0 35.4 53.0#





#84

1,2,4-Trimethylbenzene

Concen: 0.886 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059347.D

Acq: 21 Nov 2019 19:30

Instrument :

MSVOA_N

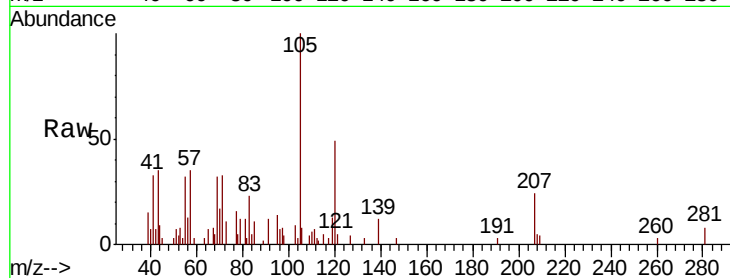
ClientSampleId :

Tot Ion:105 Resp: 10636

Ion Ratio Lower Upper

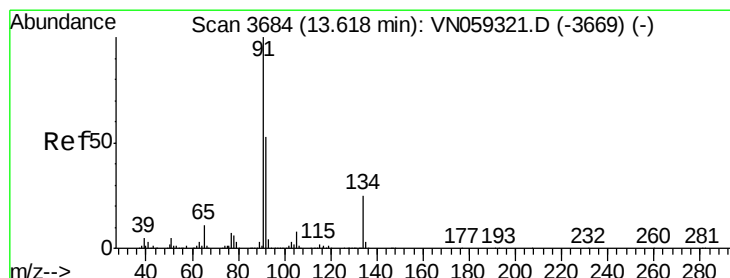
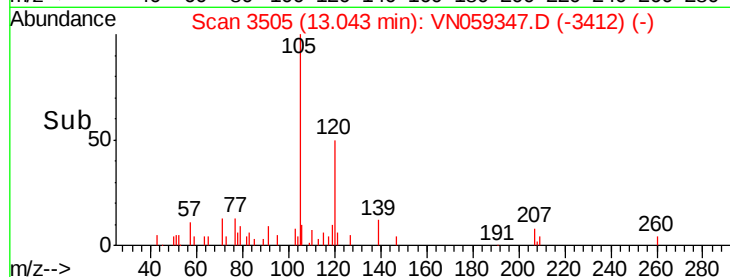
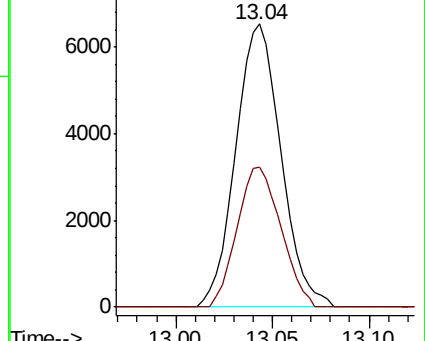
105 100

120 47.6 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#89

n-Butylbenzene

Concen: 0.262 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059347.D

Acq: 21 Nov 2019 19:30

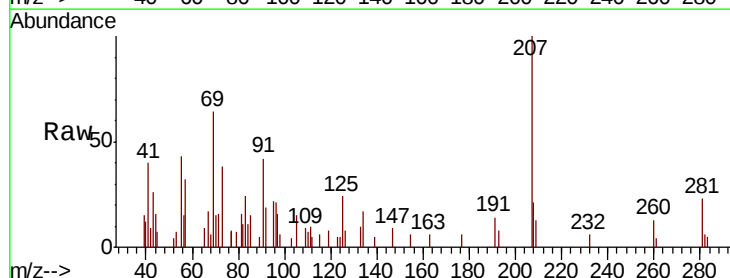
Tgt Ion: 91 Resp: 2849

Ion Ratio Lower Upper

91 100

92 43.6 26.0 78.0

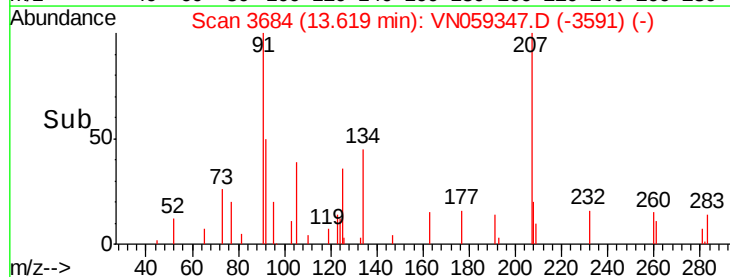
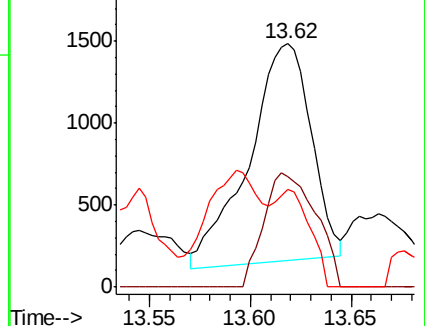
134 0.0 12.7 38.1#

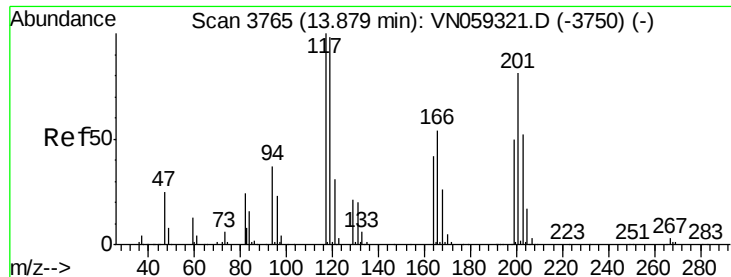


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.234 ug/l

RT: 13.89 min Scan# 3769

Delta R.T. 0.01 min

Lab File: VN059347.D

Acq: 21 Nov 2019 19:30

Instrument :

MSVOA_N

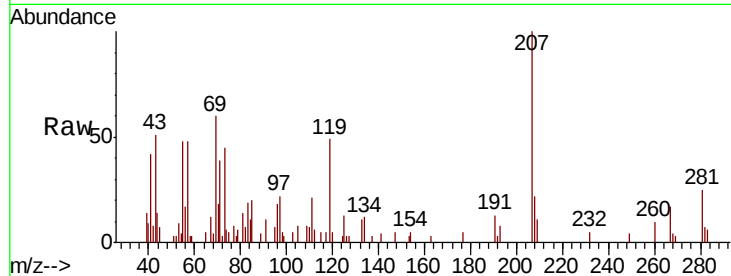
ClientSampleId :

Tot Ion:117 Resp: 549

Ion Ratio Lower Upper

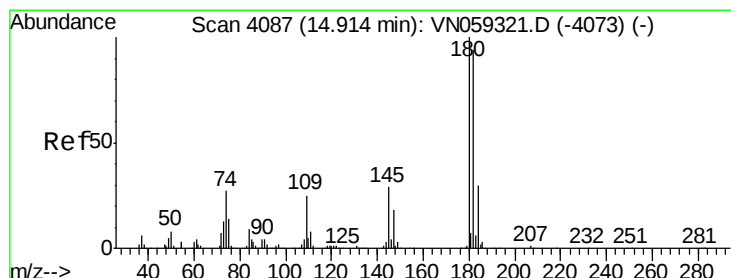
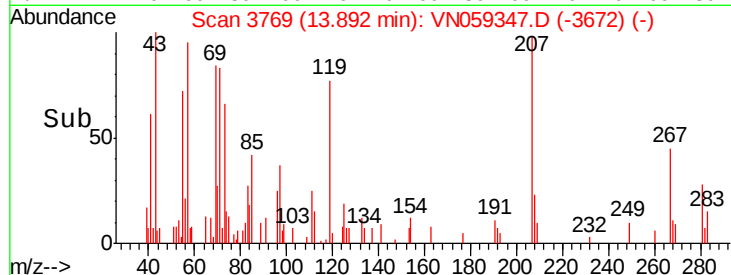
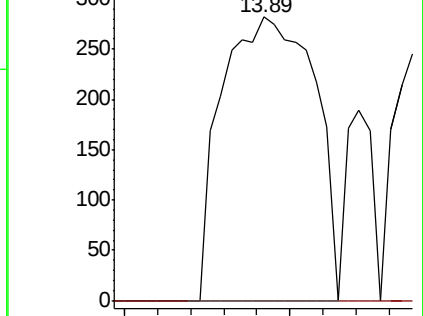
117 100

201 0.0 40.4 121.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 3.198 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.01 min

Lab File: VN059347.D

Acq: 21 Nov 2019 19:30

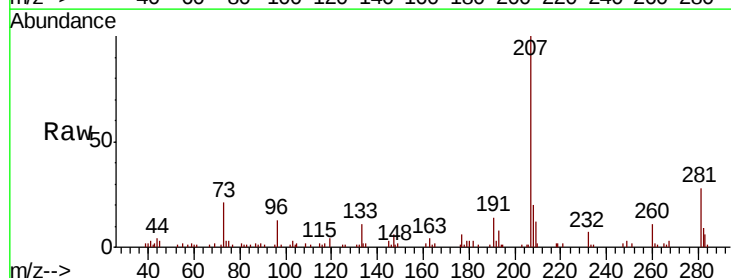
Tgt Ion:180 Resp: 1043

Ion Ratio Lower Upper

180 100

182 84.5 47.2 141.6

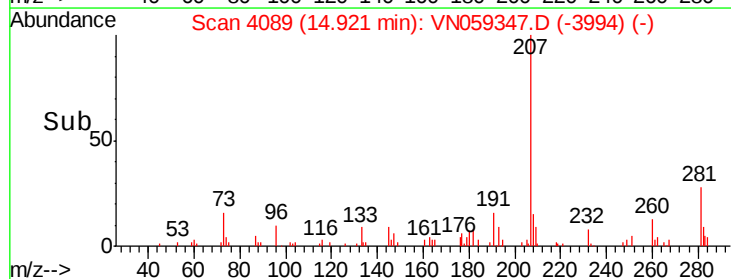
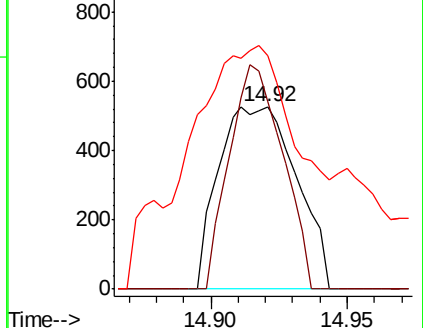
145 194.2 14.9 44.5#

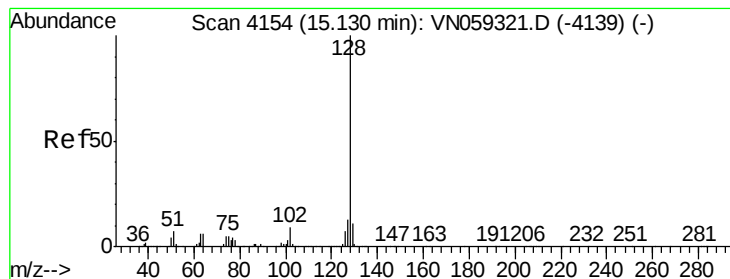


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 3.721 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059347.D

Acq: 21 Nov 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

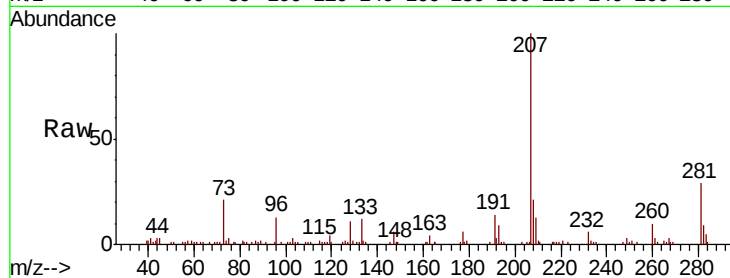
Tot Ion:128 Resp: 6188

Ion Ratio Lower Upper

128 100

127 11.9 10.2 15.2

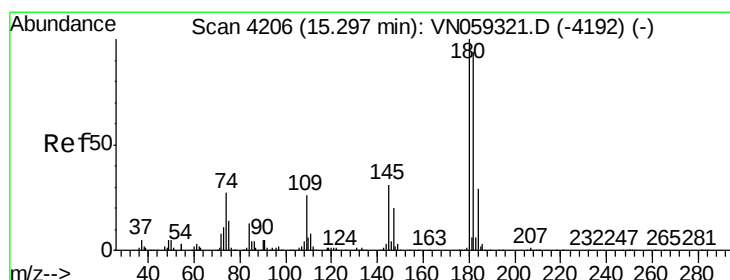
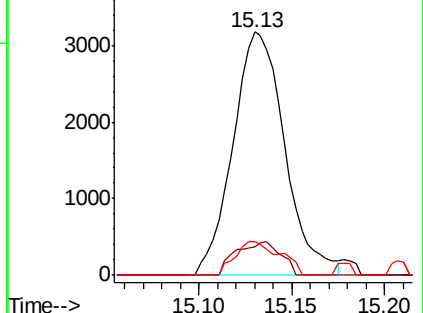
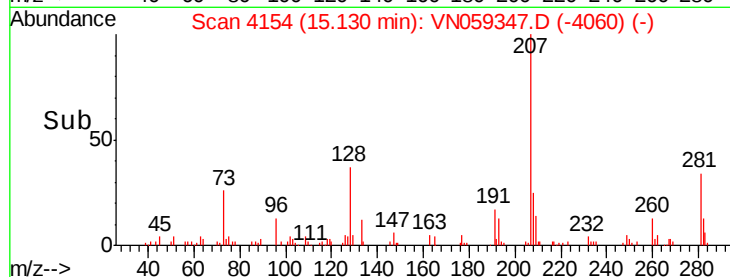
129 12.1 8.6 13.0



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: 2.322 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059347.D

Acq: 21 Nov 2019 19:30

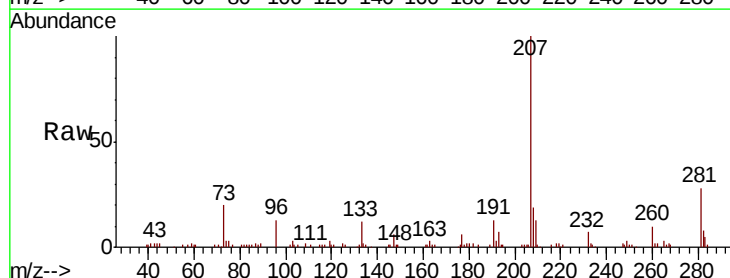
Tgt Ion:180 Resp: 1627

Ion Ratio Lower Upper

180 100

182 69.7 47.1 141.4

145 11.2 15.6 46.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

