

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121719\
 Data File : VN059621.D
 Acq On : 17 Dec 2019 13:38
 Operator : JC/SP
 Sample : VN1217WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBL01

Quant Time: Dec 18 05:46:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

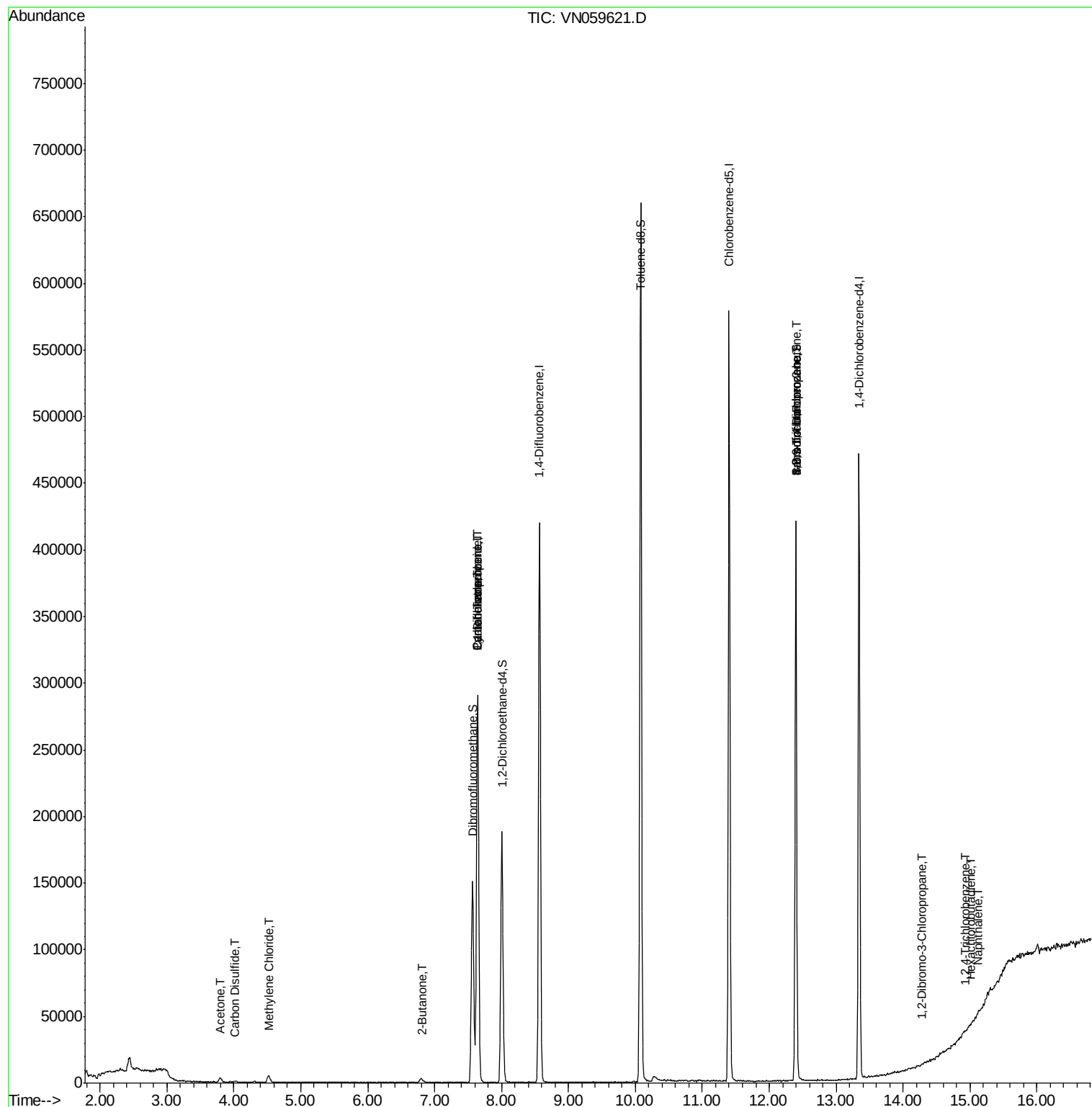
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	228714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	364856	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	321255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	123042	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	165660	49.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.56%	
35) Dibromofluoromethane	7.57	113	116680	51.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.22%	
50) Toluene-d8	10.08	98	450466	49.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.68%	
62) 4-Bromofluorobenzene	12.40	95	144173	43.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.44%	
Target Compounds						
					Qvalue	
16) Acetone	3.79	43	6075	3.074	ug/l	99
17) Carbon Disulfide	4.02	76	1648	2.068	ug/l #	75
20) Methylene Chloride	4.52	84	3844	1.347	ug/l #	83
25) 2-Butanone	6.82	43	664	0.281	ug/l #	50
31) Cyclohexane	7.64	56	5196	1.069	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	19250	5.059	ug/l #	50
38) Carbon Tetrachloride	7.64	117	22809	5.777	ug/l #	16
71) Bromoform	12.40	173	1008	0.508	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	76716	25.186	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	76716	62.207	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.28	75	134	1.776	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.91	180	574	0.206	ug/l #	78
94) Hexachlorobutadiene	15.00	225	174	1.783	ug/l #	40
95) Naphthalene	15.12	128	2747	0.331	ug/l #	93

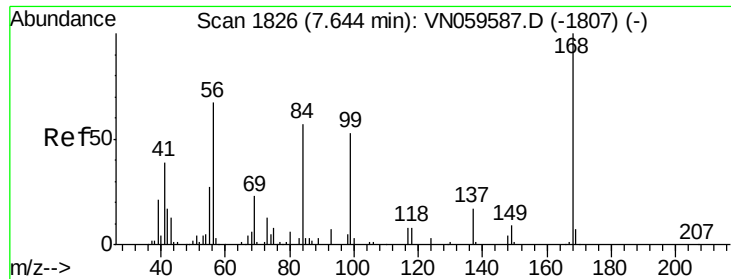
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121719\
Data File : VN059621.D
Acq On : 17 Dec 2019 13:38
Operator : JC/SP
Sample : VN1217WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBL01

Quant Time: Dec 18 05:46:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 13 23:17:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059621.D

Acq: 17 Dec 2019 13:38

Instrument :

MSVOA_N

ClientSampled :

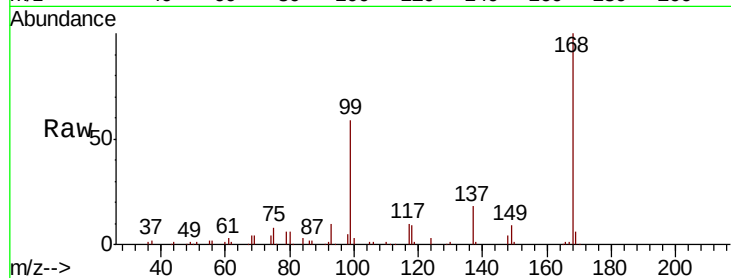
VN1217WBL01

Tot Ion:168 Resp: 228714

Ion Ratio Lower Upper

168 100

99 59.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

60000

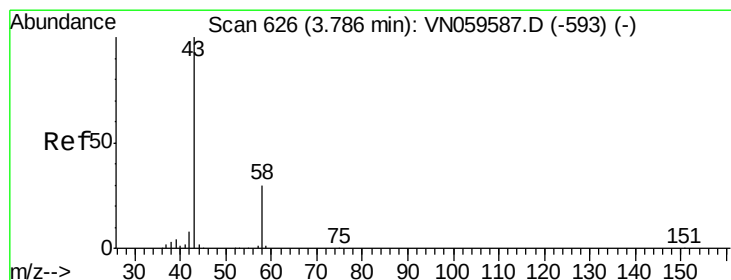
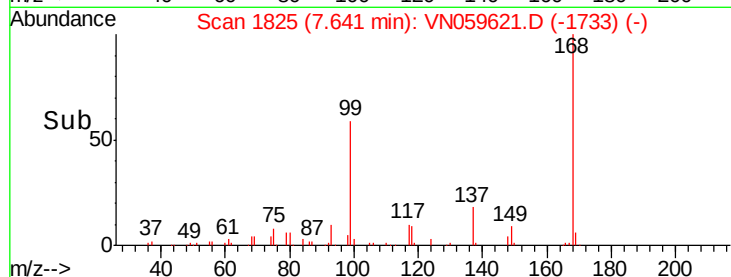
40000

20000

0

Time-->

7.60 7.70



#16

Acetone

Concen: 3.074 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059621.D

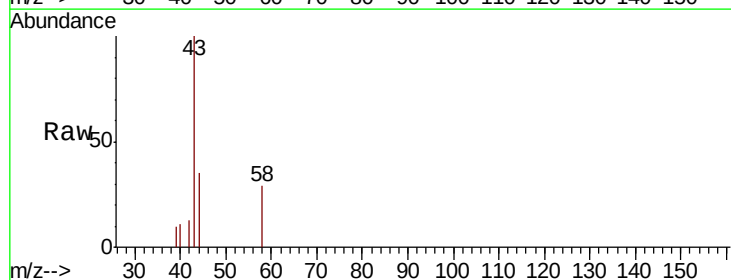
Acq: 17 Dec 2019 13:38

Tgt Ion: 43 Resp: 6075

Ion Ratio Lower Upper

43 100

58 28.7 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.79

2000

1500

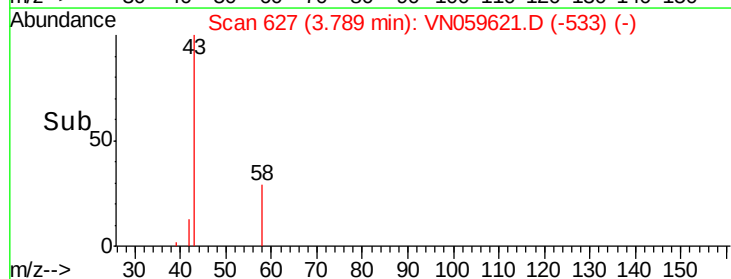
1000

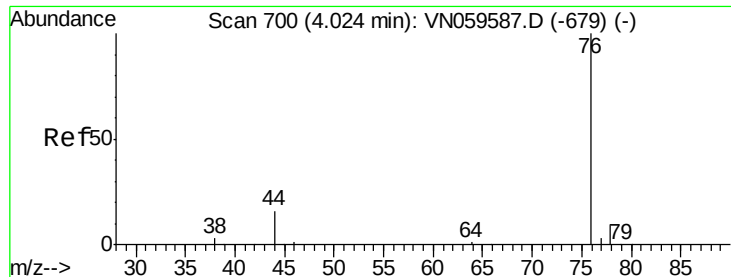
500

0

Time-->

3.70 3.75 3.80 3.85 3.90





#17

Carbon Disulfide

Concen: 2.068 ug/l

RT: 4.02 min Scan# 699

Delta R.T. -0.00 min

Lab File: VN059621.D

Acq: 17 Dec 2019 13:38

Instrument :

MSVOA_N

ClientSampleId :

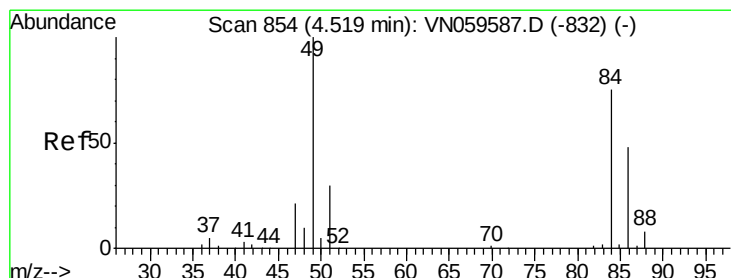
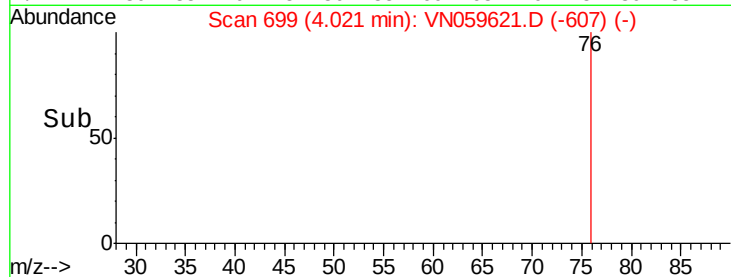
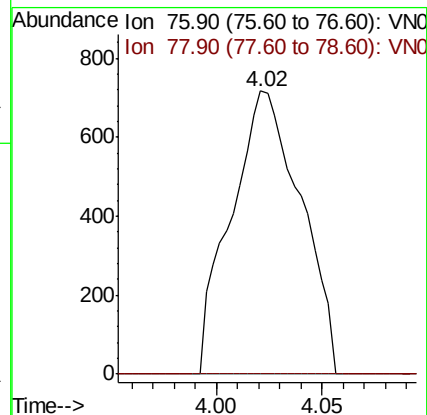
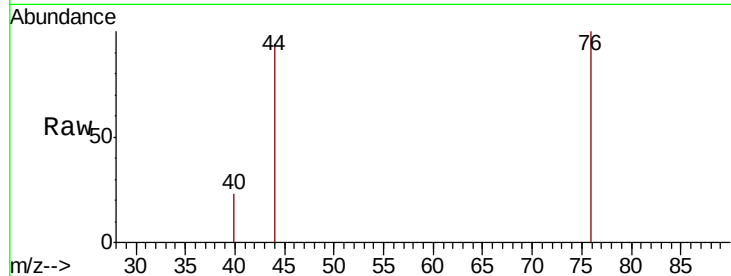
VN1217WBL01

Tot Ion: 76 Resp: 1648

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



#20

Methylene Chloride

Concen: 1.347 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: VN059621.D

Acq: 17 Dec 2019 13:38

Tgt Ion: 84 Resp: 3844

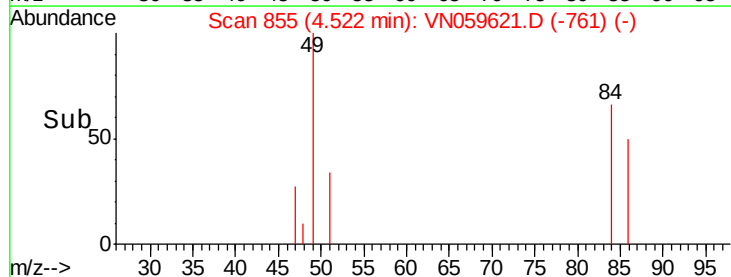
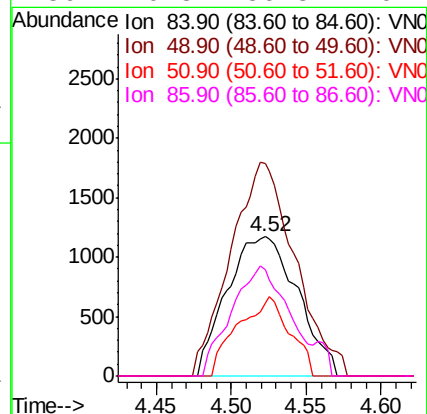
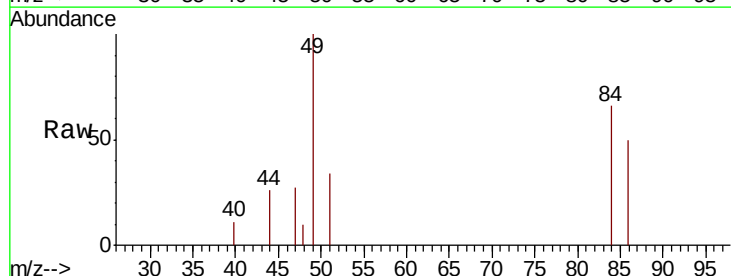
Ion Ratio Lower Upper

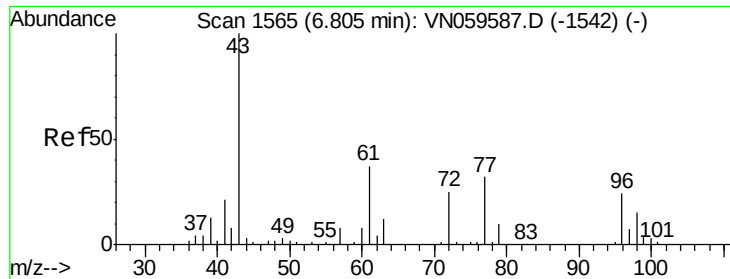
84 100

49 152.6 106.6 160.0

51 52.4 31.9 47.9#

86 76.8 50.8 76.2#

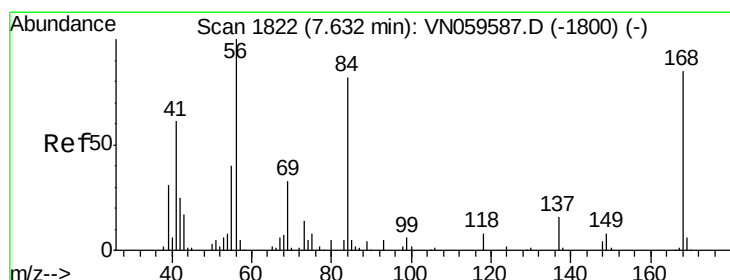
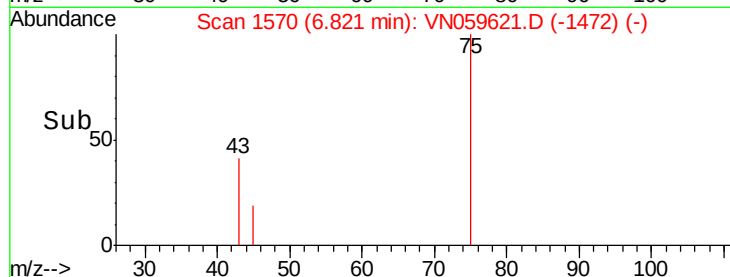
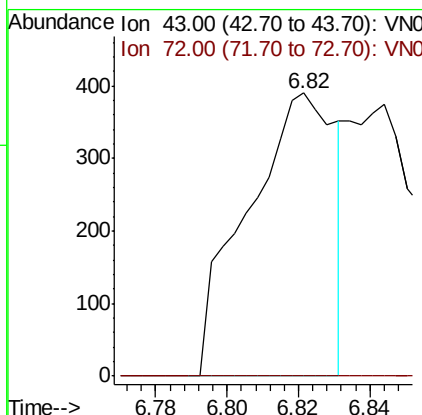
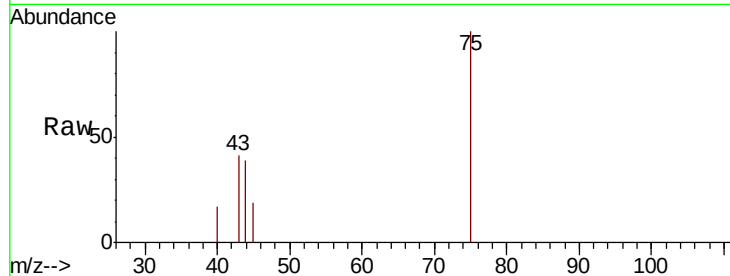




#25
2-Butanone
Concen: 0.281 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.02 min
Lab File: VN059621.D
Acq: 17 Dec 2019 13:38

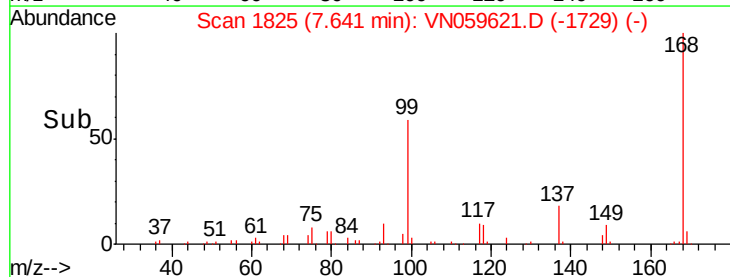
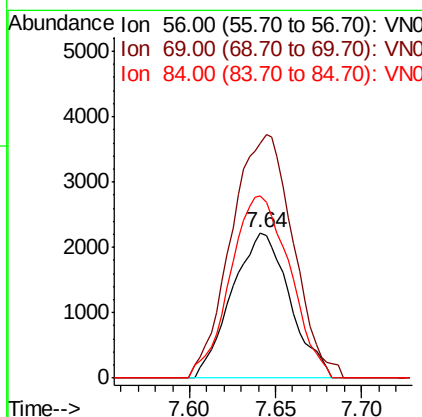
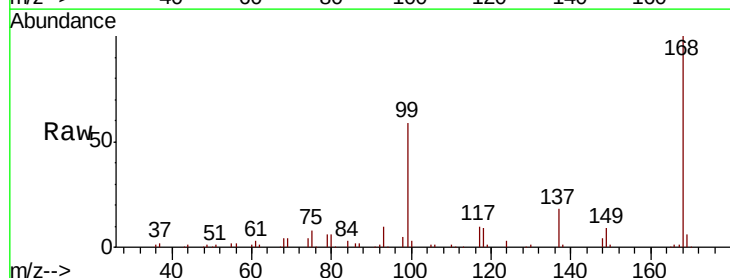
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBL01

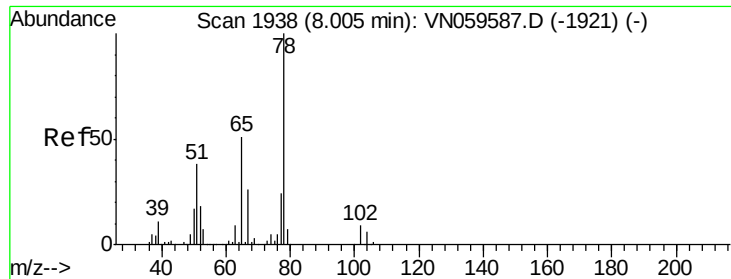
Tot Ion: 43 Resp: 664
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#31
Cyclohexane
Concen: 1.069 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059621.D
Acq: 17 Dec 2019 13:38

Tgt Ion: 56 Resp: 5196
Ion Ratio Lower Upper
56 100
69 161.9 26.5 39.7#
84 125.4 65.3 97.9#

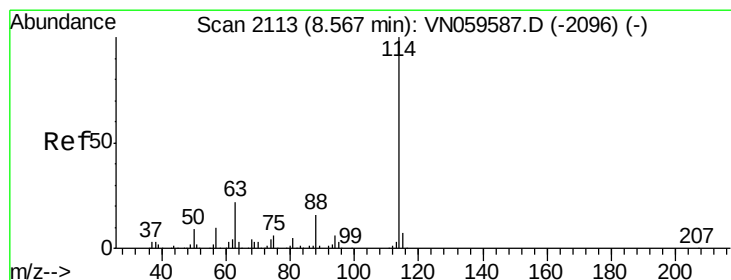
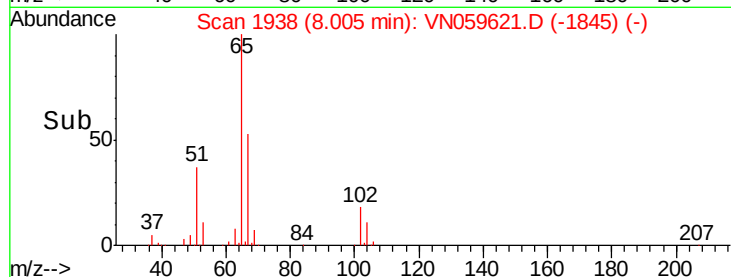
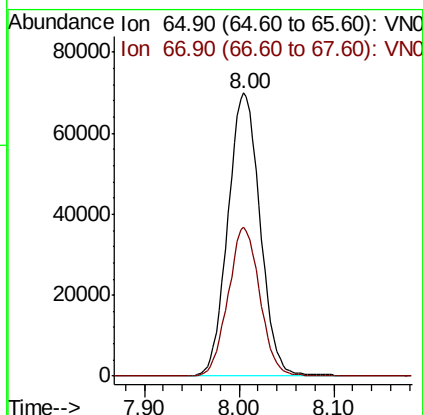
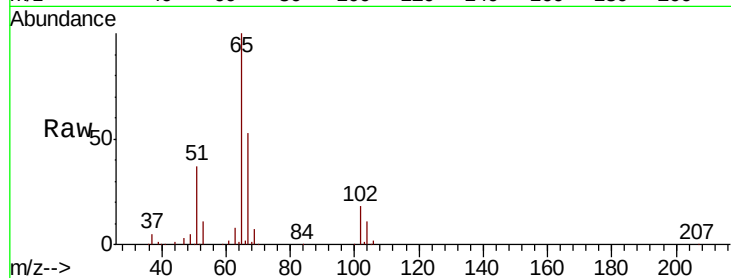




#33
 1,2-Dichloroethane-d4
 Concen: 49.776 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059621.D
 Acq: 17 Dec 2019 13:38

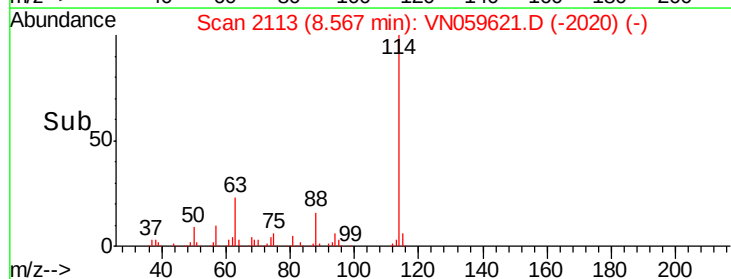
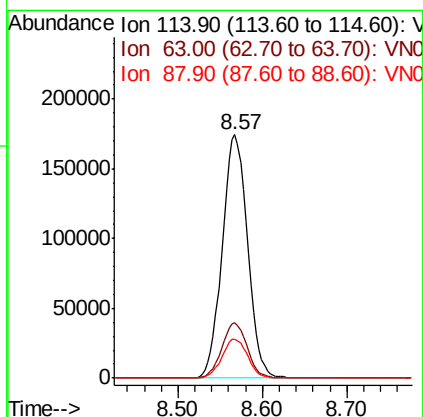
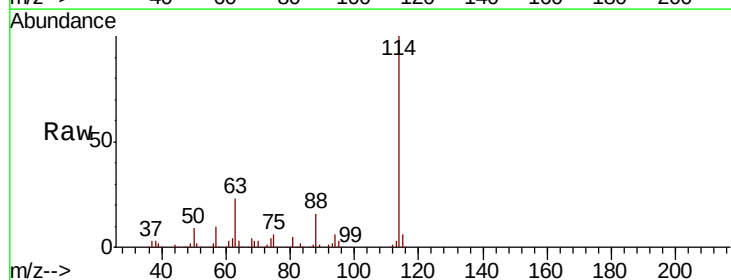
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBL01

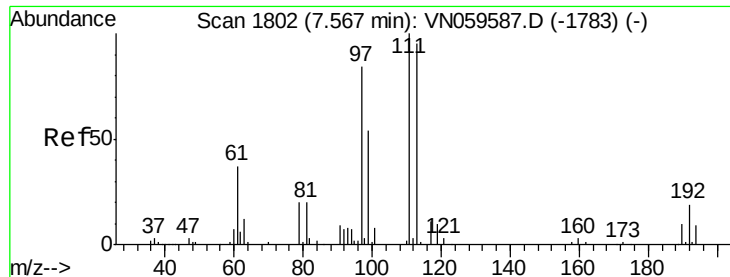
Tot Ion: 65 Resp: 165660
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059621.D
 Acq: 17 Dec 2019 13:38

Tgt Ion: 114 Resp: 364856
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 43.6
 88 16.0 0.0 31.4

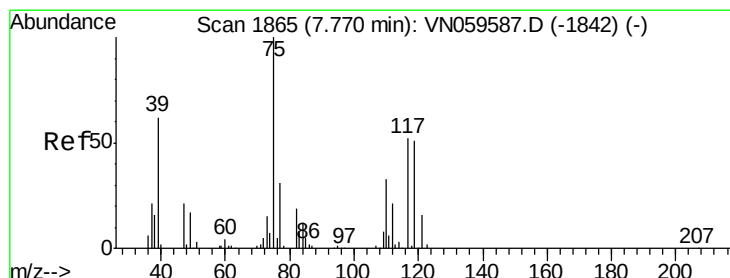
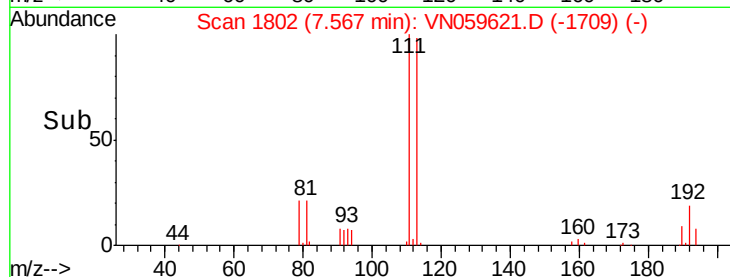
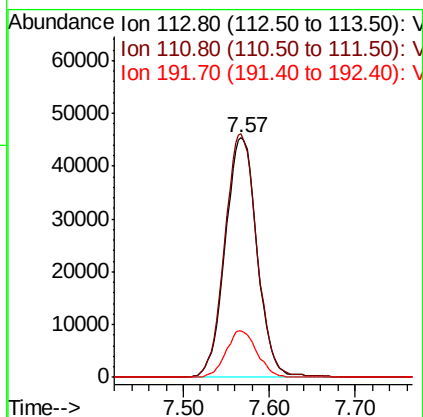
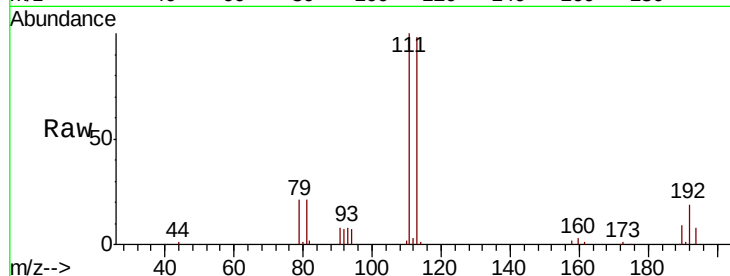




#35
 Dibromofluoromethane
 Concen: 51.111 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059621.D
 Acq: 17 Dec 2019 13:38

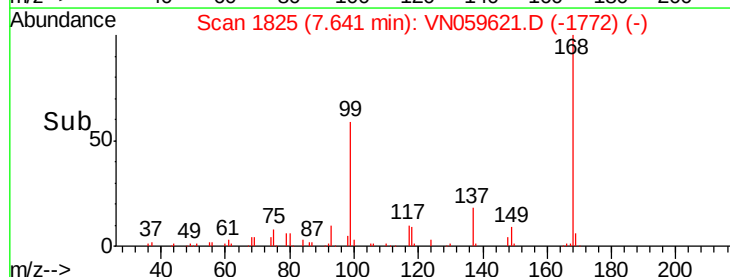
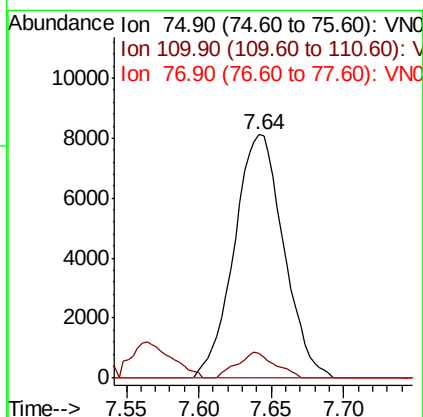
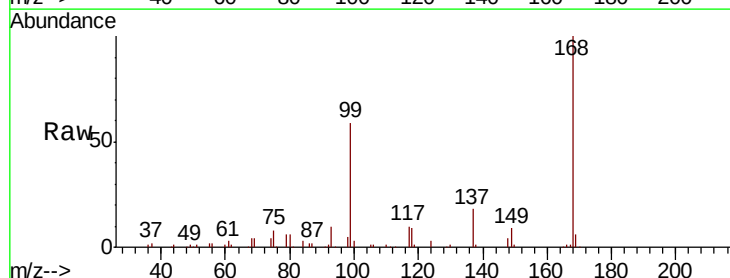
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBL01

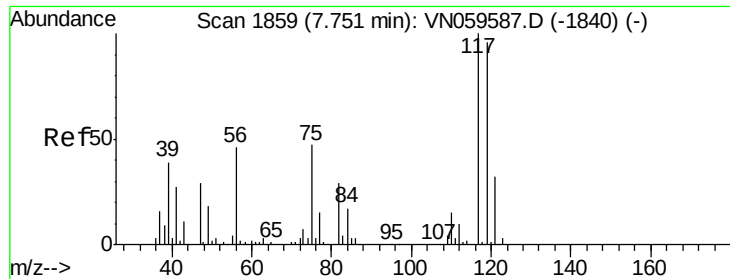
Tot Ion:113 Resp: 116680
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.5 125.3
 192 18.8 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.059 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059621.D
 Acq: 17 Dec 2019 13:38

Tgt Ion: 75 Resp: 19250
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.6 49.7#
 77 0.0 25.1 37.7#

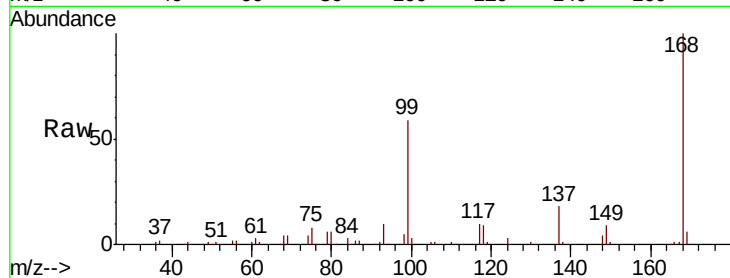




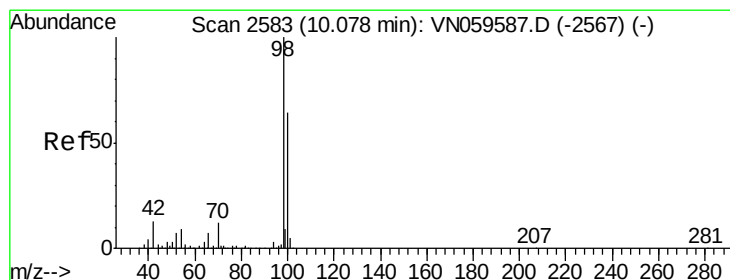
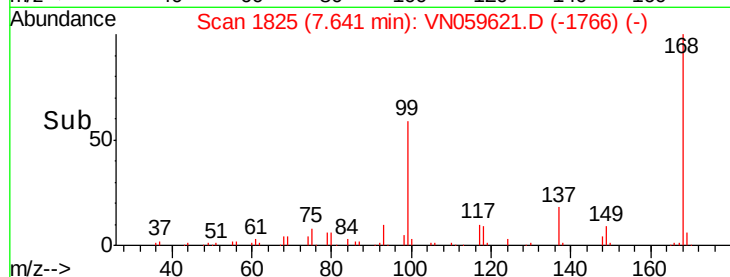
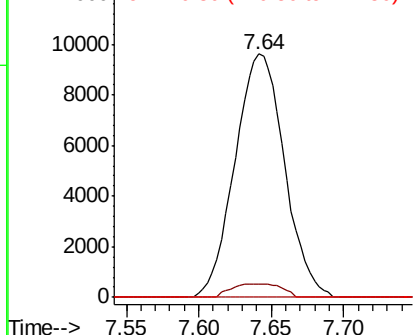
#38
Carbon Tetrachloride
Concen: 5.777 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN059621.D
Acq: 17 Dec 2019 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBL01

Tot Ion:117 Resp: 22809
Ion Ratio Lower Upper
117 100
119 5.3 76.5 114.7#
121 0.0 25.1 37.7#

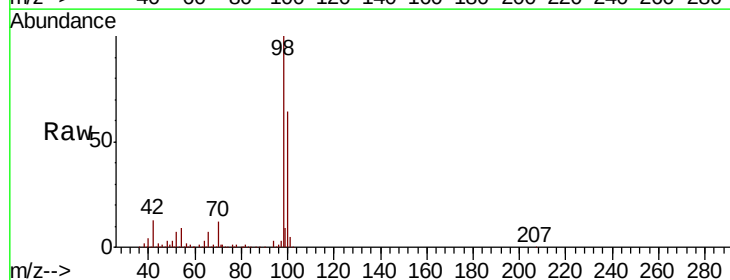


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

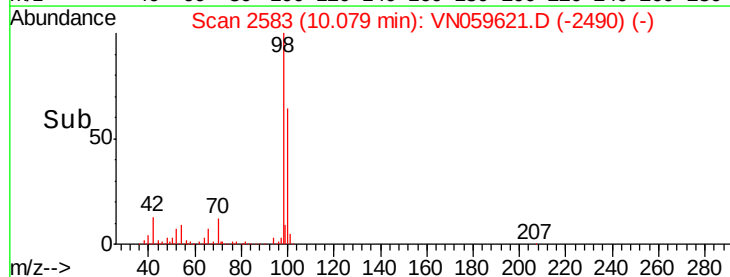
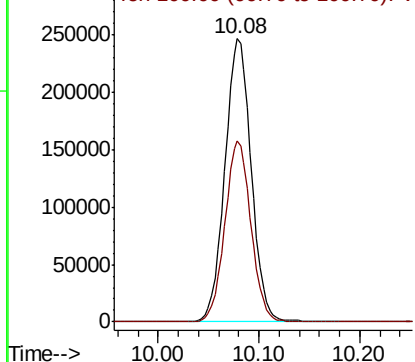


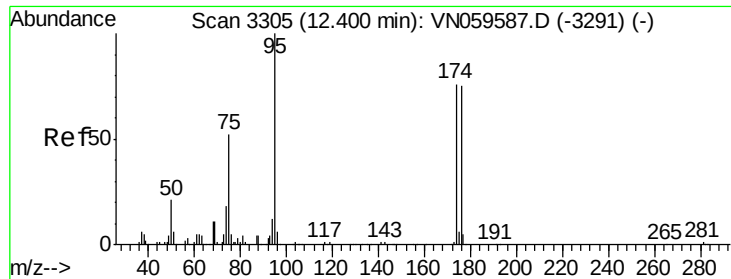
#50
Toluene-d8
Concen: 49.840 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059621.D
Acq: 17 Dec 2019 13:38

Tgt Ion: 98 Resp: 450466
Ion Ratio Lower Upper
98 100
100 63.1 51.2 76.8



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

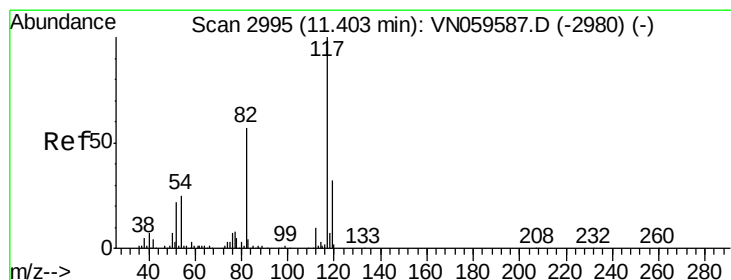
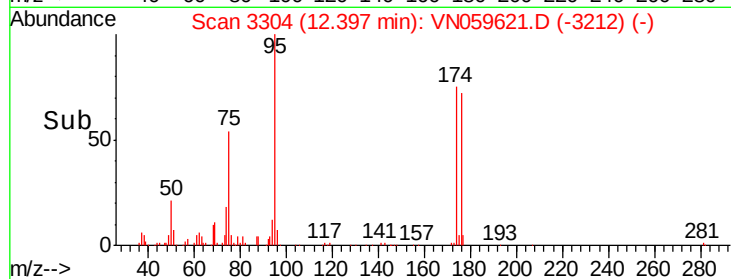
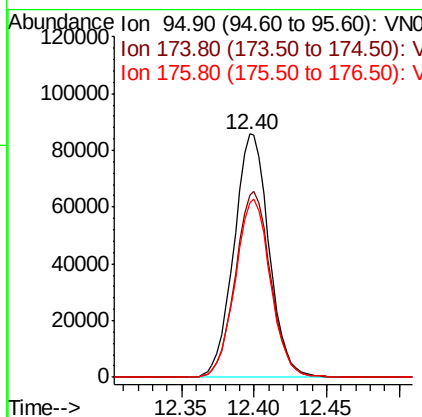
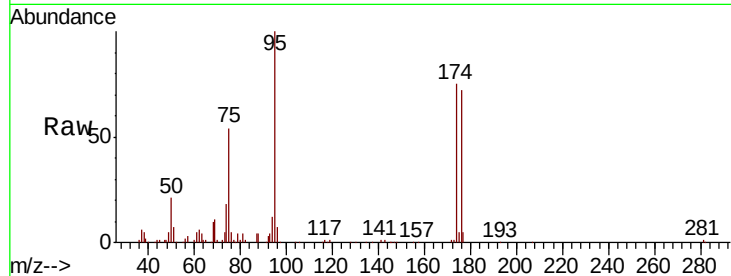




#62
4-Bromofluorobenzene
Concen: 43.716 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN059621.D
Acq: 17 Dec 2019 13:38

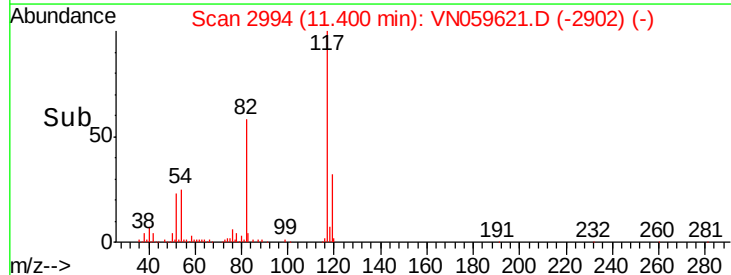
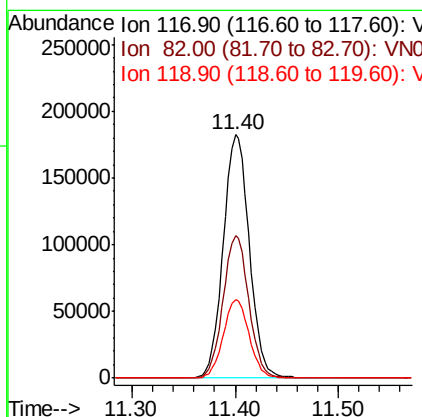
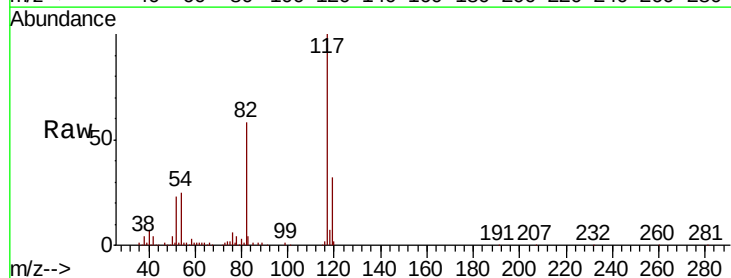
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBL01

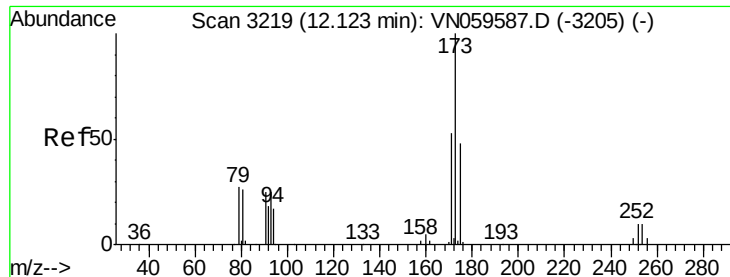
Tot Ion: 95 Resp: 144173
Ion Ratio Lower Upper
95 100
174 76.7 0.0 151.4
176 73.6 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059621.D
Acq: 17 Dec 2019 13:38

Tgt Ion: 117 Resp: 321255
Ion Ratio Lower Upper
117 100
82 58.4 45.9 68.9
119 32.1 25.5 38.3





#71

Bromoform

Concen: 0.508 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN059621.D

Acq: 17 Dec 2019 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBL01

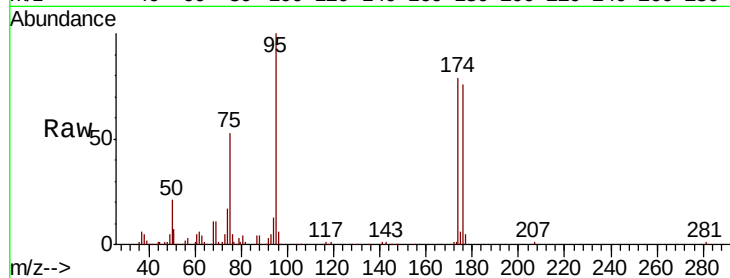
Tot Ion:173 Resp: 1008

Ion Ratio Lower Upper

173 100

175 673.1 23.8 71.4#

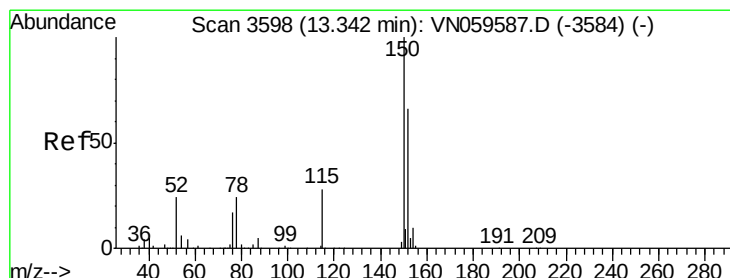
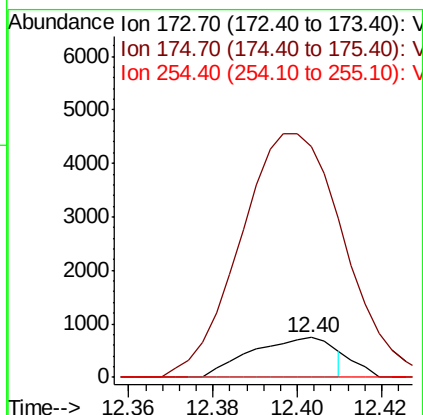
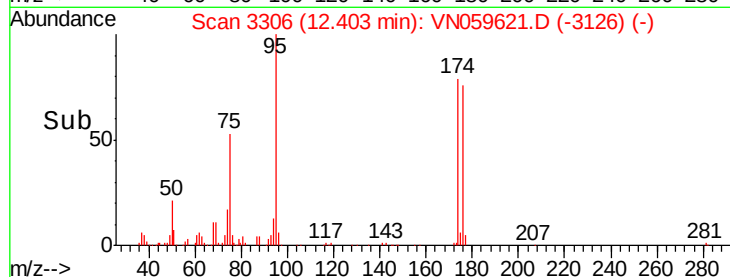
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN059621.D

Acq: 17 Dec 2019 13:38

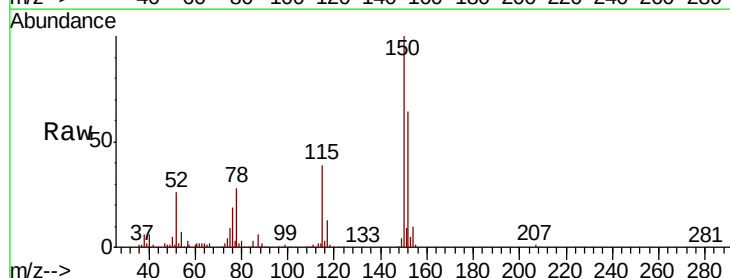
Tgt Ion:152 Resp: 123042

Ion Ratio Lower Upper

152 100

115 60.6 30.3 90.9

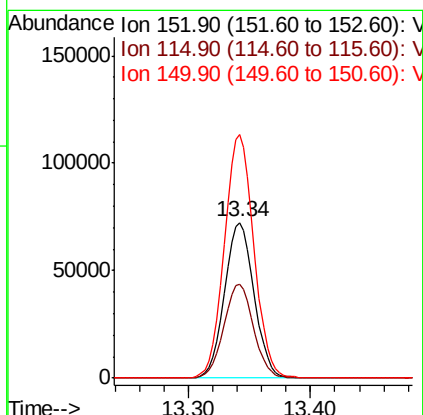
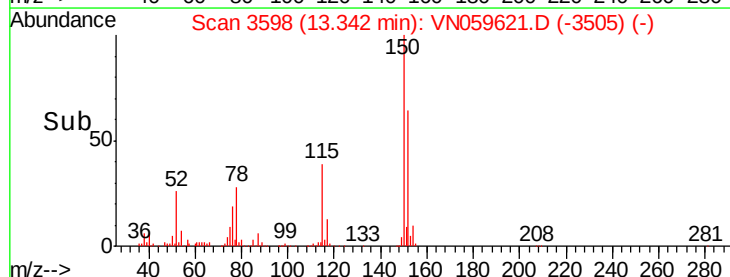
150 156.5 0.0 345.2

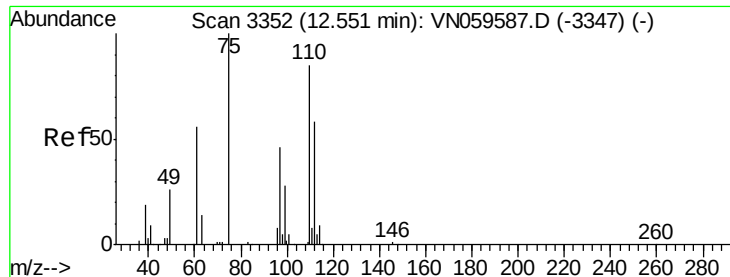


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.186 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059621.D

Acq: 17 Dec 2019 13:38

Instrument :

MSVOA_N

ClientSampled :

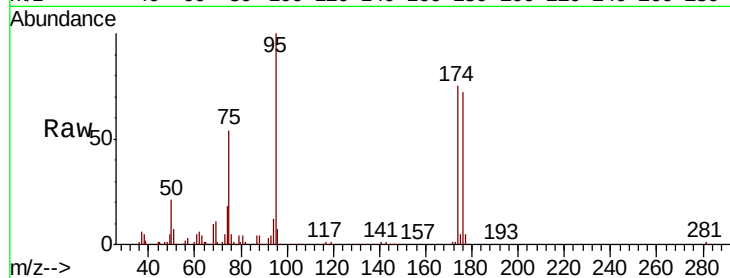
VN1217WBL01

Tot Ion: 75 Resp: 76716

Ion Ratio Lower Upper

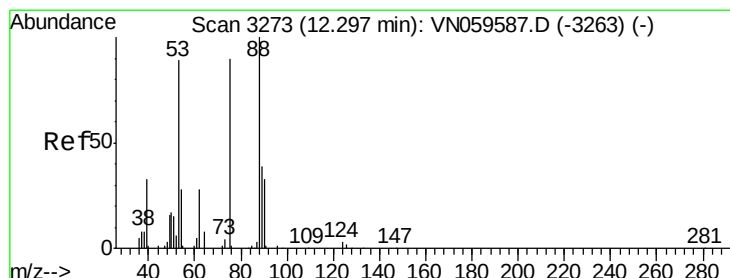
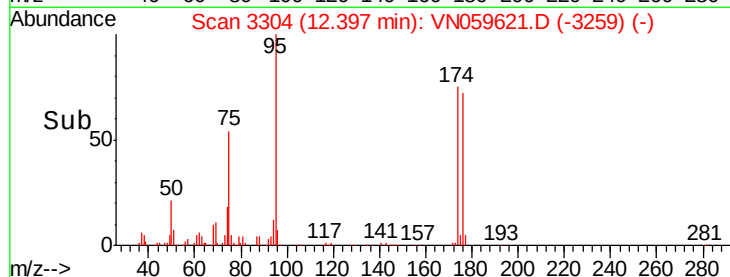
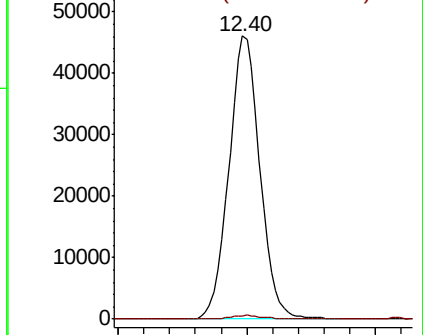
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 62.207 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059621.D

Acq: 17 Dec 2019 13:38

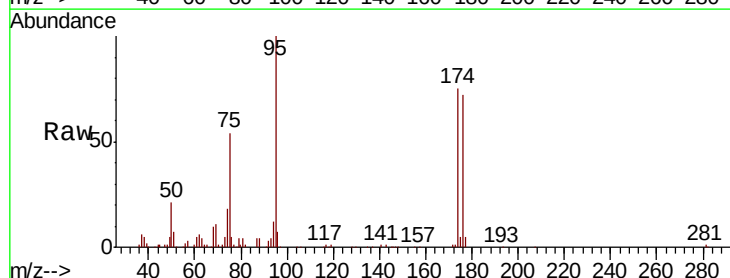
Tgt Ion: 75 Resp: 76716

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

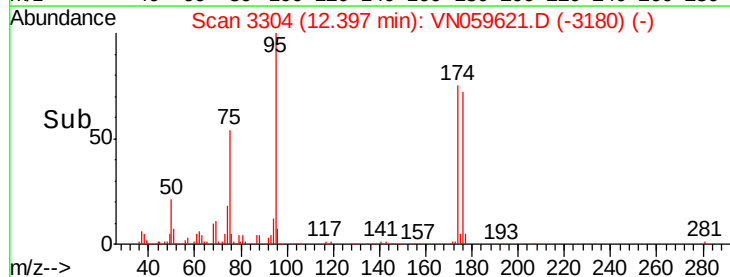
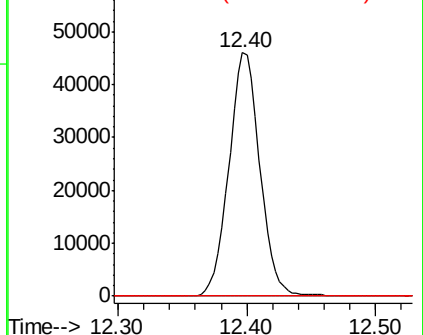
89 0.0 35.4 53.2#

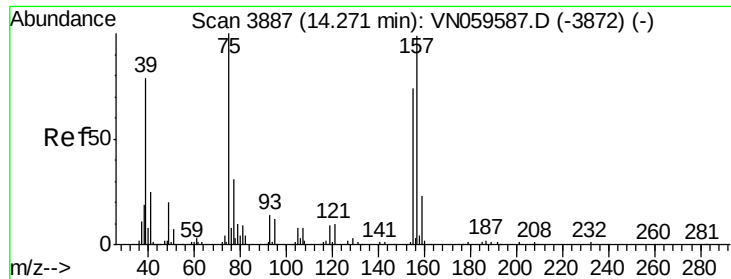


Abundance Ion 74.90 (74.60 to 75.60): VN0

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: 1.776 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.01 min

Lab File: VN059621.D

Acq: 17 Dec 2019 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBL01

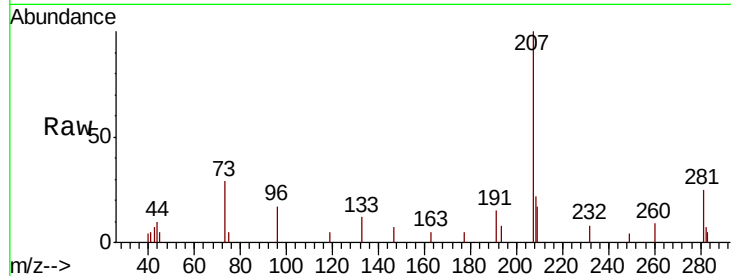
Tot Ion: 75 Resp: 134

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

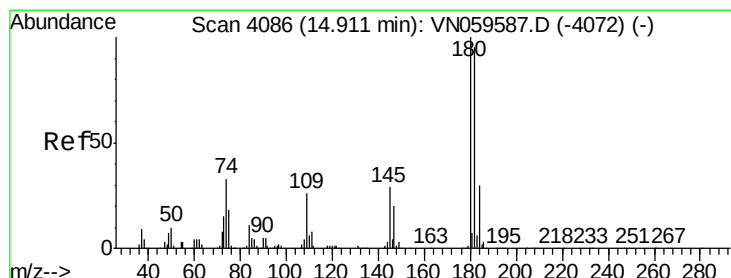
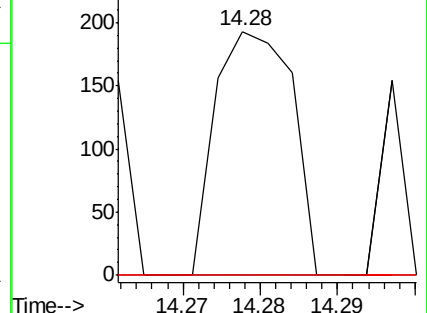
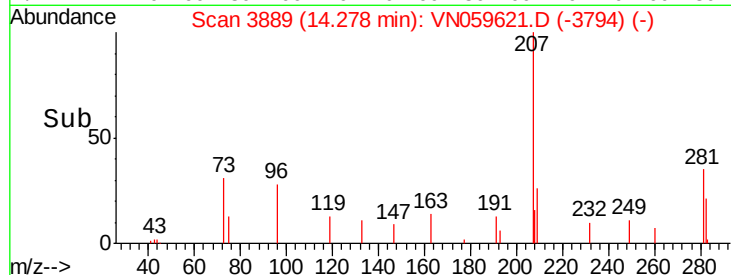
157 0.0 48.4 145.2#



Abundance Ion 74.90 (74.60 to 75.60): VN059621.D (-3889) (-)

Ion 154.80 (154.50 to 155.50): VN059621.D (-3889) (-)

Ion 156.80 (156.50 to 157.50): VN059621.D (-3889) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.206 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN059621.D

Acq: 17 Dec 2019 13:38

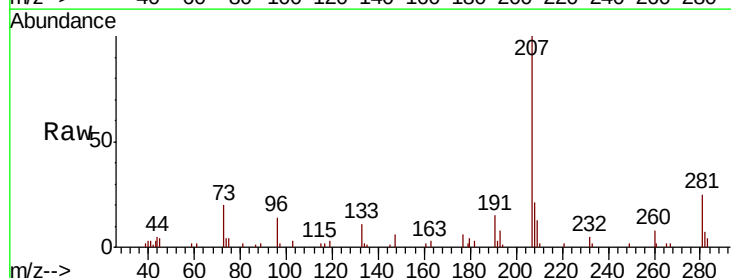
Tgt Ion: 180 Resp: 574

Ion Ratio Lower Upper

180 100

182 77.4 46.9 140.7

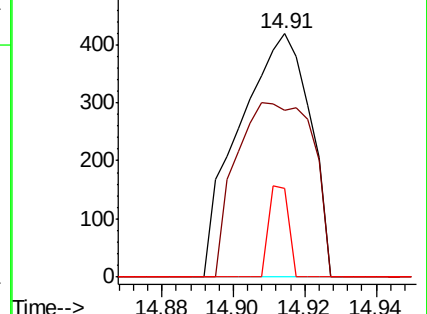
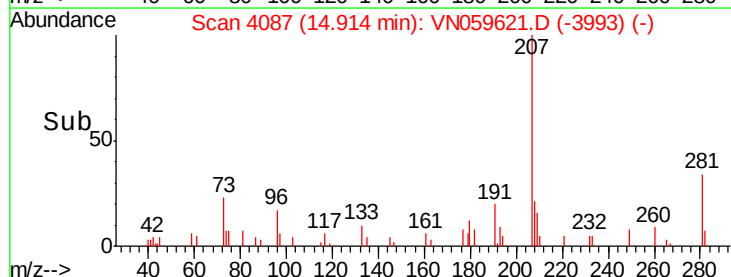
145 10.3 15.0 45.1#

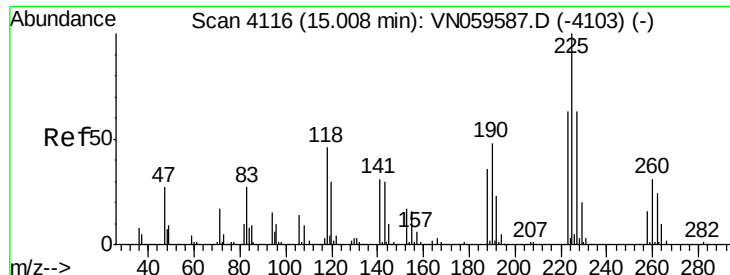


Abundance Ion 179.80 (179.50 to 180.50): VN059621.D (-4086) (-)

Ion 181.80 (181.50 to 182.50): VN059621.D (-4086) (-)

Ion 144.80 (144.50 to 145.50): VN059621.D (-4086) (-)





#94

Hexachlorobutadiene

Concen: 1.783 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN059621.D

Acq: 17 Dec 2019 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBL01

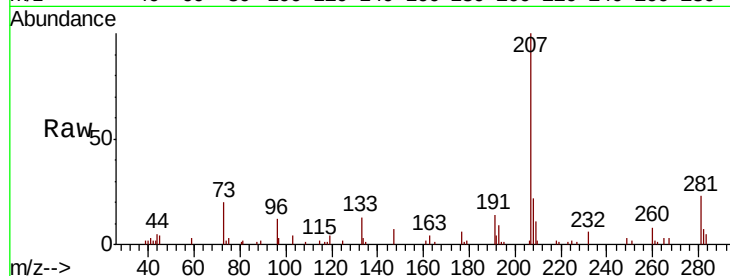
Tot Ion:225 Resp: 174

Ion Ratio Lower Upper

225 100

223 16.7 31.8 95.3#

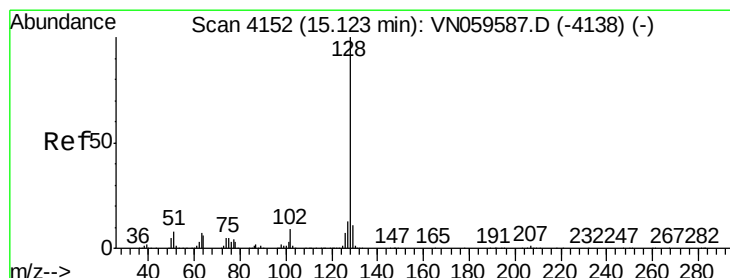
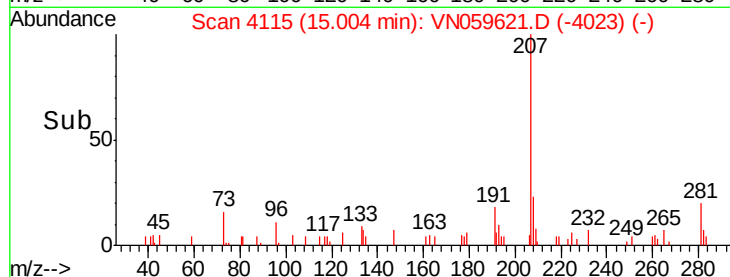
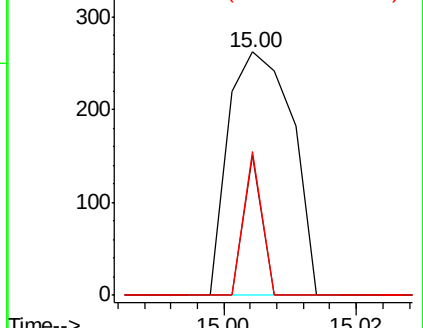
227 17.2 32.1 96.5#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.331 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN059621.D

Acq: 17 Dec 2019 13:38

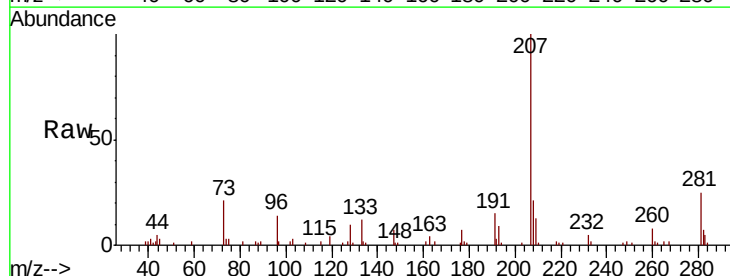
Tgt Ion:128 Resp: 2747

Ion Ratio Lower Upper

128 100

127 9.7 10.4 15.6#

129 8.3 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

