

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057809.D
 Acq On : 9 Sep 2019 18:45
 Operator : JC/SP
 Sample : K4781-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 10 07:09:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

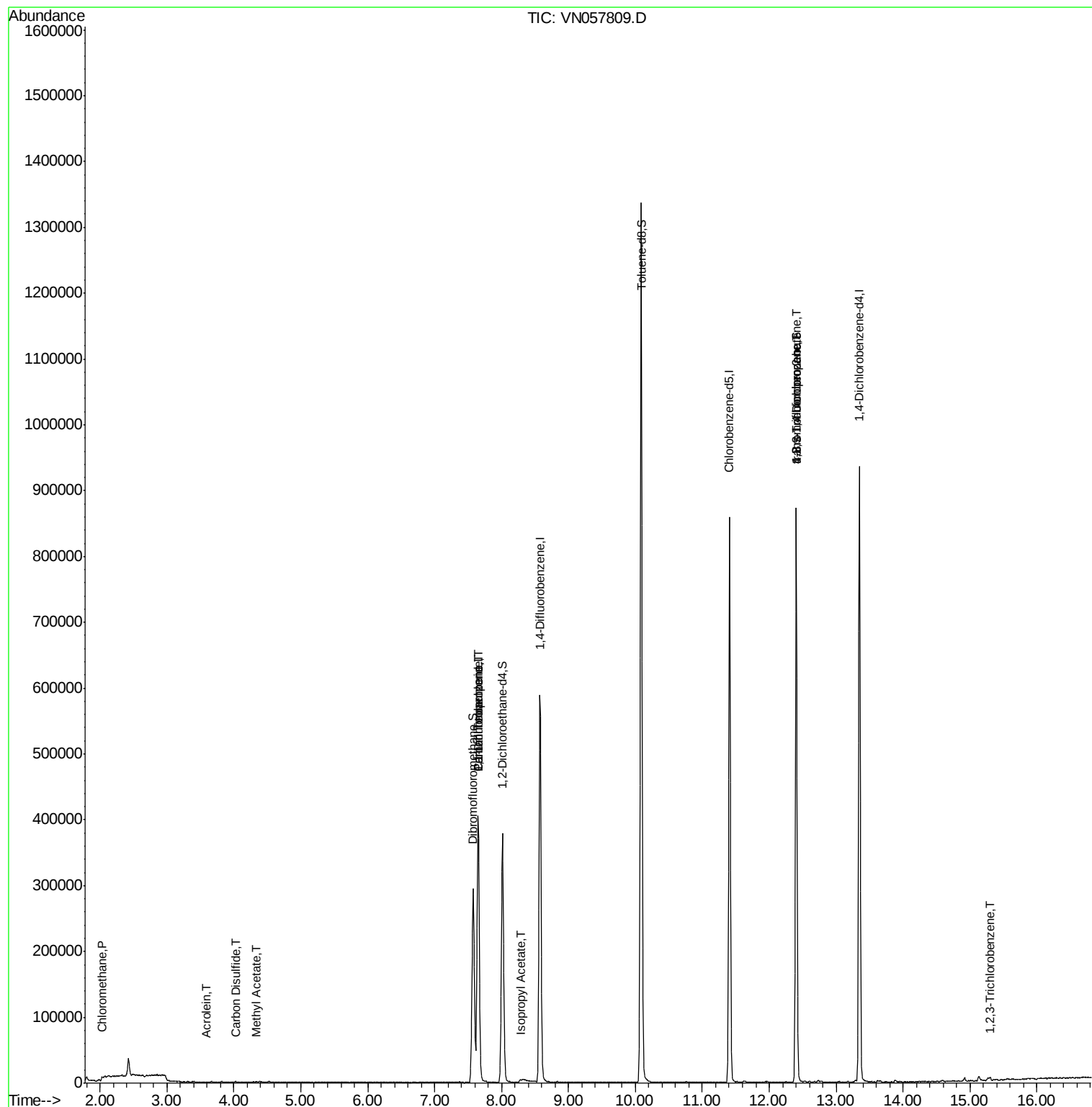
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	313451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	517525	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	462281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	236758	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	323971	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
35) Dibromofluoromethane	7.58	113	221499	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	
50) Toluene-d8	10.08	98	916633	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.40	95	292628	41.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.82%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.03	50	887	0.201	ug/l	91
5) Bromomethane	2.55	94	384	Below Cal	#	37
13) Acrolein	3.59	56	305	0.468	ug/l #	14
17) Carbon Disulfide	4.02	76	1048	0.360	ug/l #	75
18) Methyl Acetate	4.32	43	1981	0.357	ug/l #	66
20) Methylene Chloride	4.52	84	492	Below Cal	#	41
31) Cyclohexane	7.65	56	8592	Below Cal	#	31
36) 1,1-Dichloropropene	7.64	75	26959	4.492	ug/l #	51
38) Carbon Tetrachloride	7.65	117	32622	5.953	ug/l #	17
43) Isopropyl Acetate	8.28	43	2477	0.238	ug/l #	56
76) 1,2,3-Trichloropropane	12.40	75	159748	29.827	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	159748	104.961	ug/l #	6
95) Naphthalene	15.14	128	5360	Below Cal		98
96) 1,2,3-Trichlorobenzene	15.30	180	1310	1.266	ug/l #	80

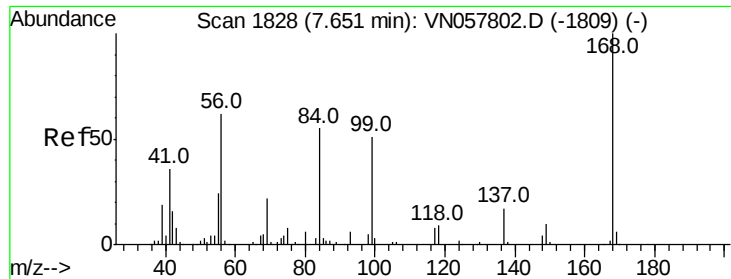
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057809.D

Acq: 9 Sep 2019 18:45

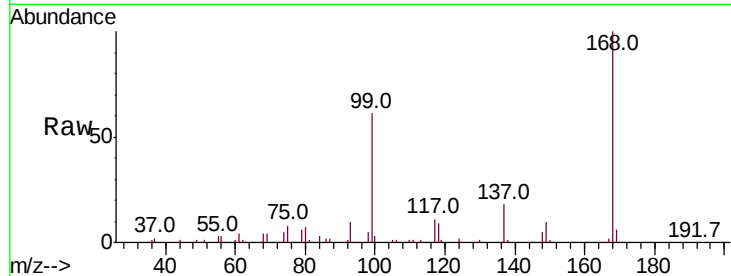
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 313451

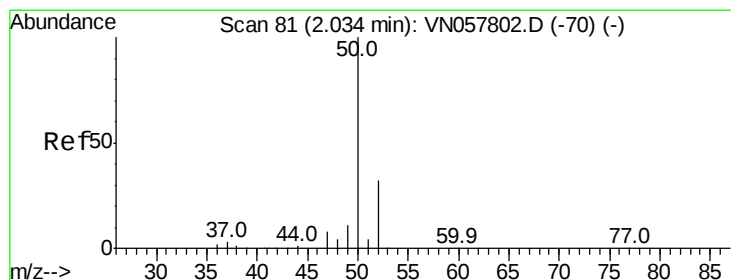
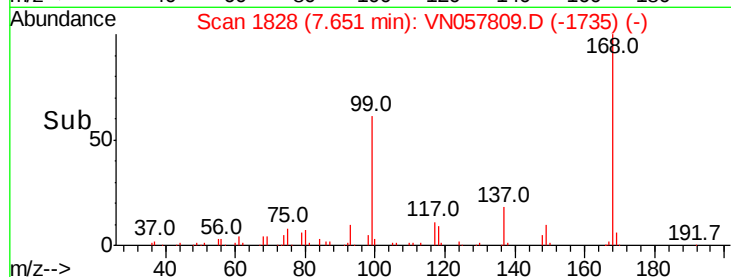
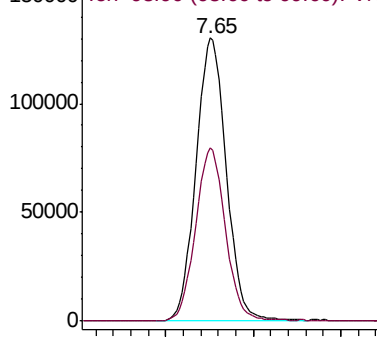
Ion Ratio Lower Upper

168 100

99 61.2 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.201 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057809.D

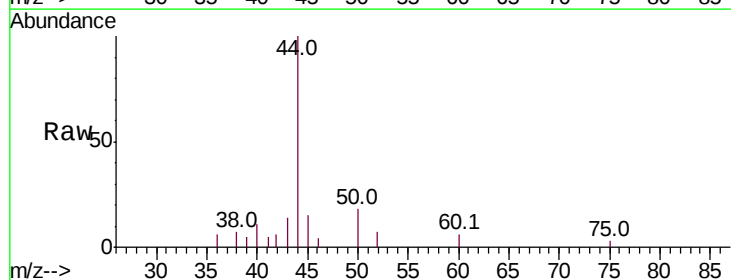
Acq: 9 Sep 2019 18:45

Tgt Ion: 50 Resp: 887

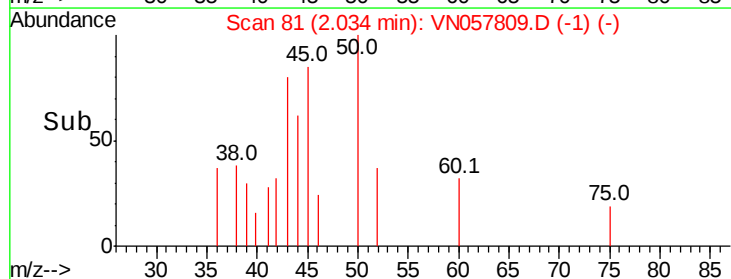
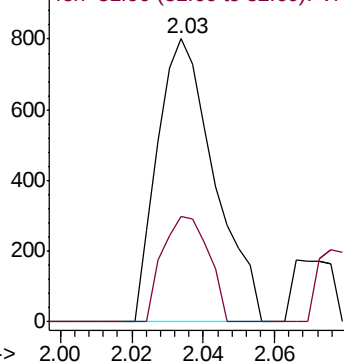
Ion Ratio Lower Upper

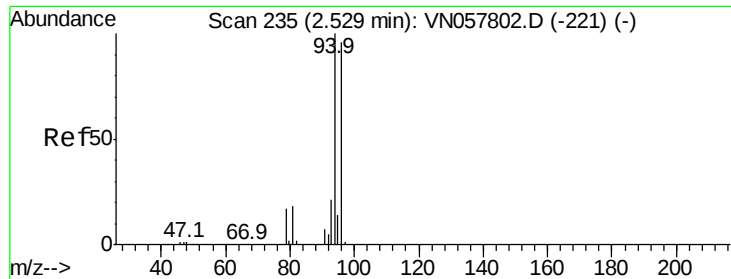
50 100

52 37.1 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): V
Ion 51.90 (51.60 to 52.60): VN





#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN057809.D

Acq: 9 Sep 2019 18:45

Instrument :

MSVOA_N

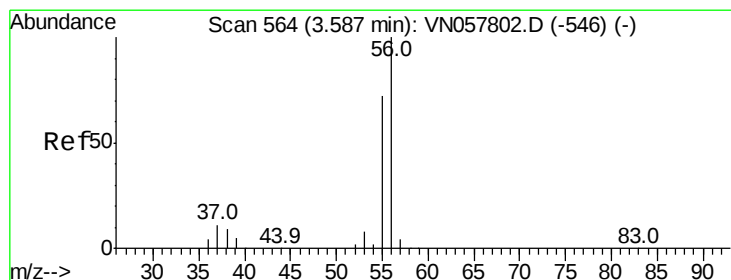
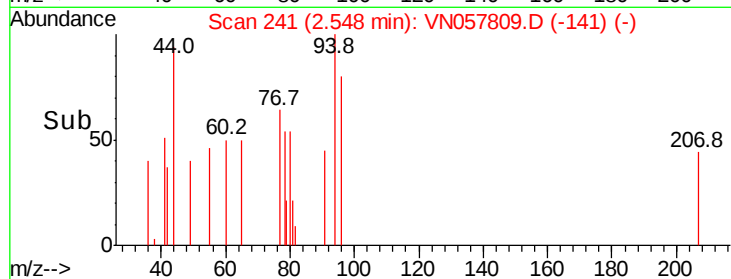
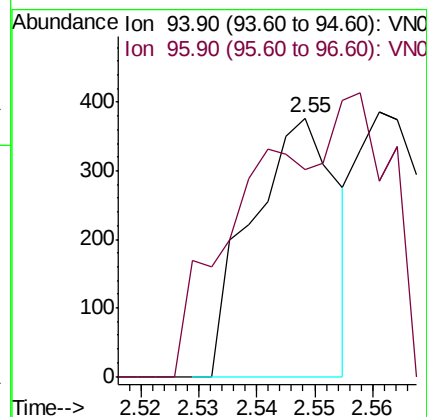
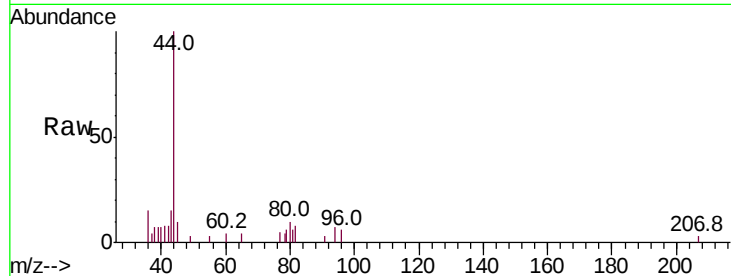
ClientSampled :

Tot Ion: 94 Resp: 384

Ion Ratio Lower Upper

94 100

96 35.0 77.0 115.4#



#13

Acrolein

Concen: 0.468 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN057809.D

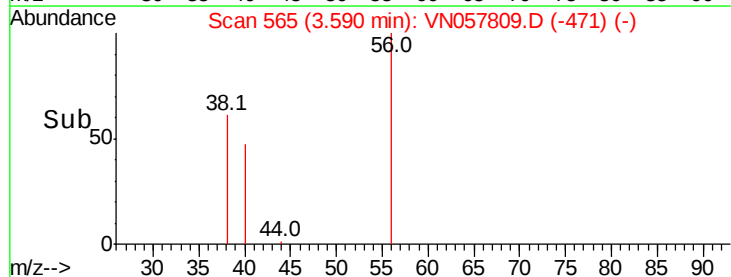
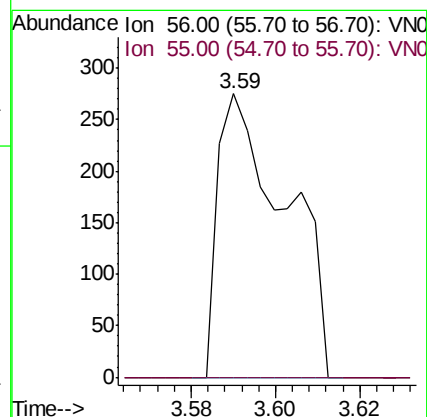
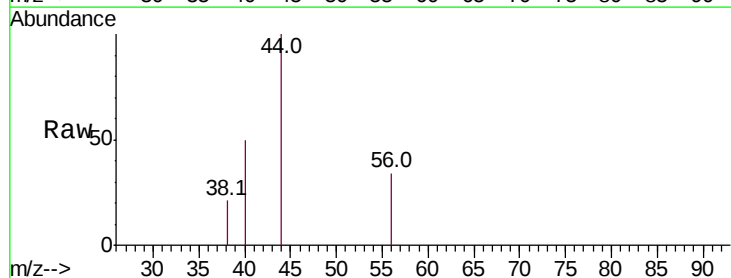
Acq: 9 Sep 2019 18:45

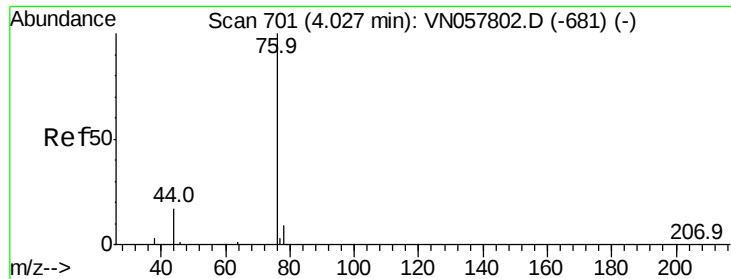
Tgt Ion: 56 Resp: 305

Ion Ratio Lower Upper

56 100

55 0.0 57.3 85.9#

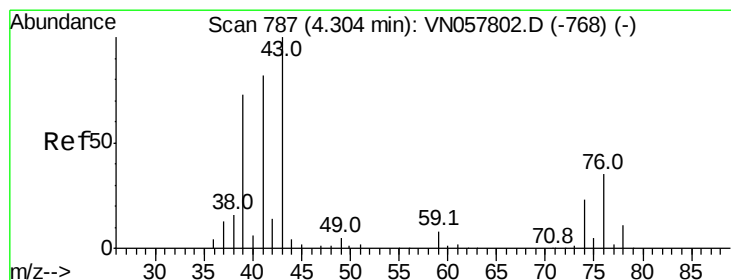
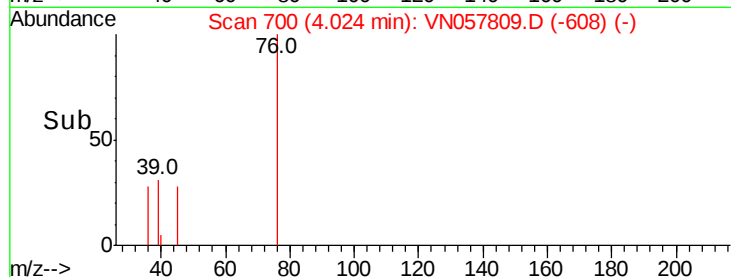
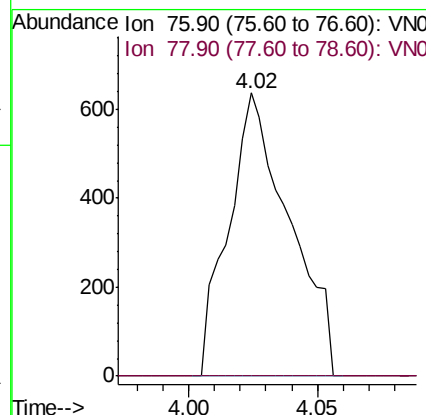
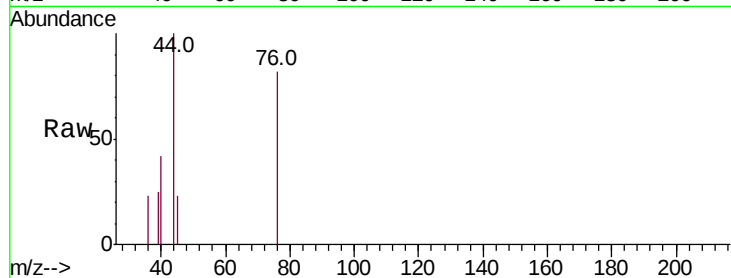




#17
Carbon Disulfide
Concen: 0.360 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN057809.D
Acq: 9 Sep 2019 18:45

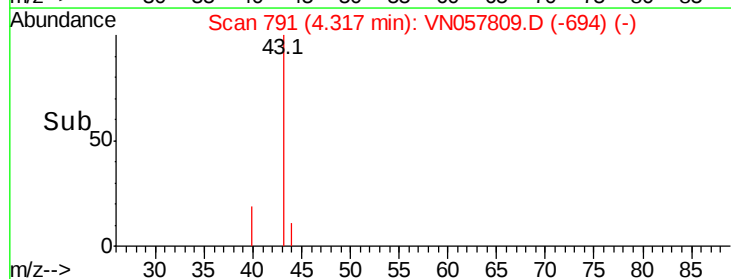
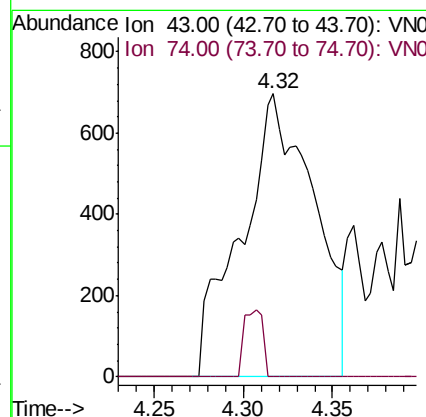
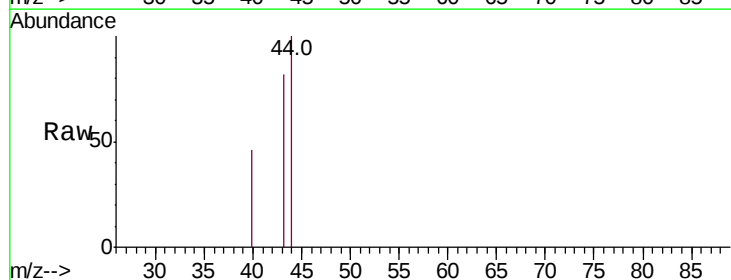
Instrument :
MSVOA_N
ClientSampled :

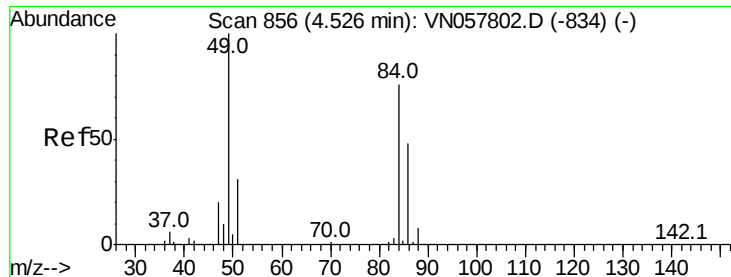
Tot Ion: 76 Resp: 1048
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#18
Methyl Acetate
Concen: 0.357 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN057809.D
Acq: 9 Sep 2019 18:45

Tgt Ion: 43 Resp: 1981
Ion Ratio Lower Upper
43 100
74 6.1 17.9 26.9#

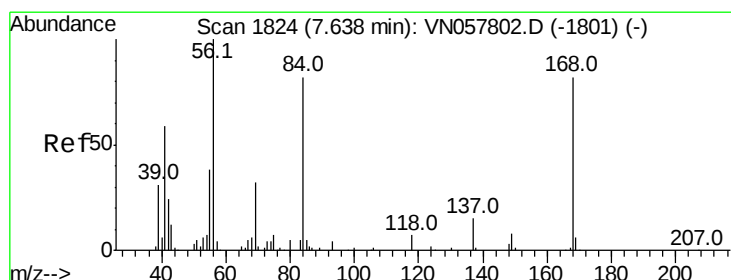
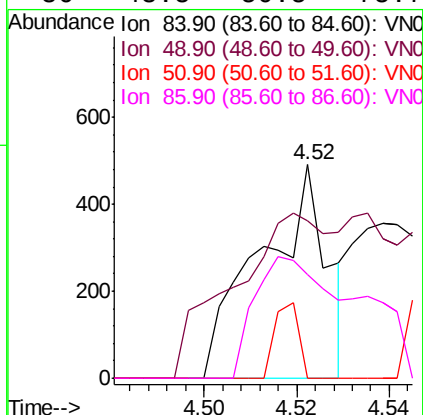
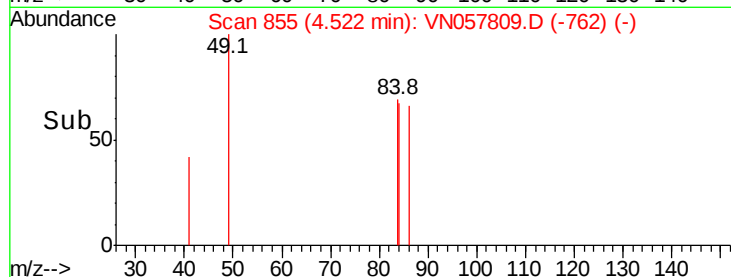
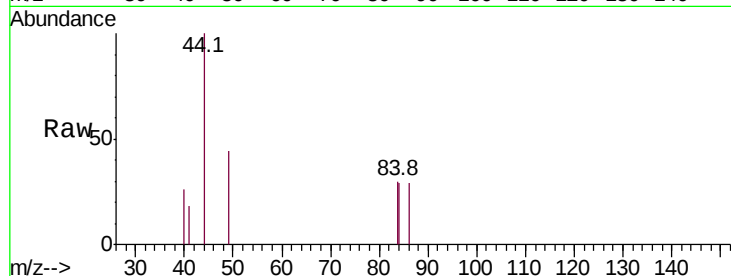




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN057809.D
Acq: 9 Sep 2019 18:45

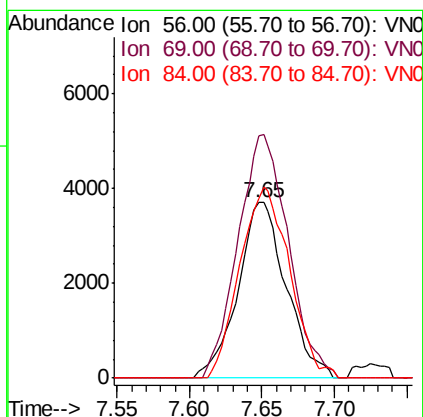
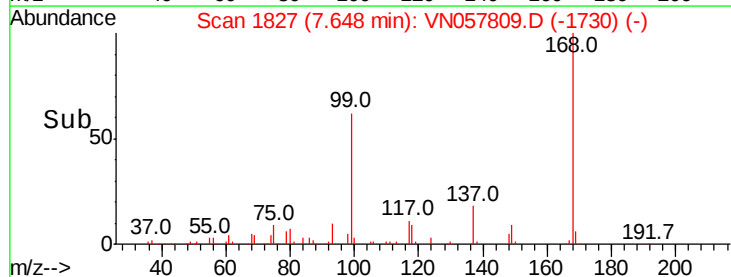
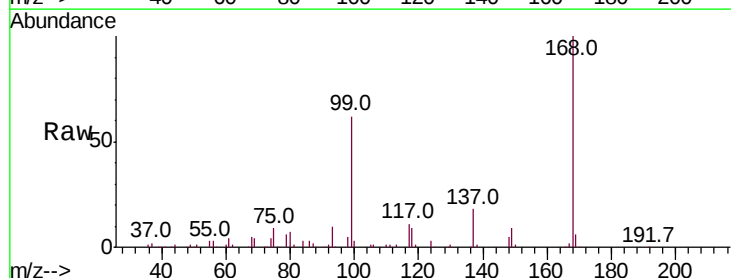
Instrument :
MSVOA_N
ClientSampled :

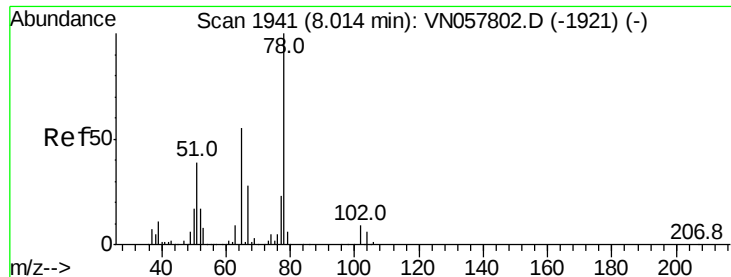
Tot Ion: 84 Resp: 492
Ion Ratio Lower Upper
84 100
49 41.8 104.8 157.2#
51 0.0 33.0 49.4#
86 48.5 50.5 75.7#



#31
Cyclohexane
Concen: Below Cal
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN057809.D
Acq: 9 Sep 2019 18:45

Tgt Ion: 56 Resp: 8592
Ion Ratio Lower Upper
56 100
69 137.9 25.9 38.9#
84 102.2 65.6 98.4#





#33

1,2-Dichloroethane-d4

Concen: 51.029 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

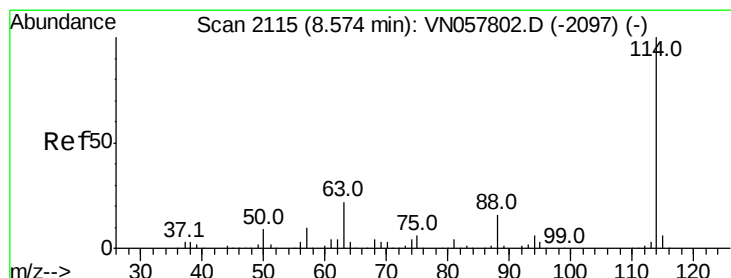
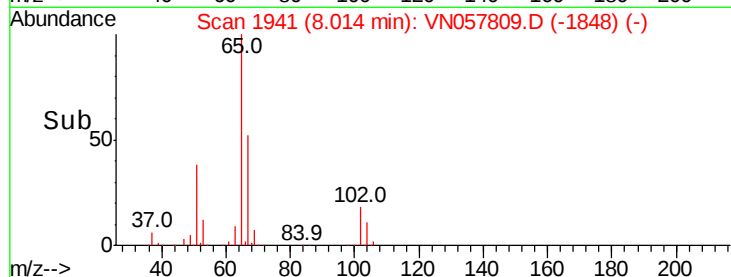
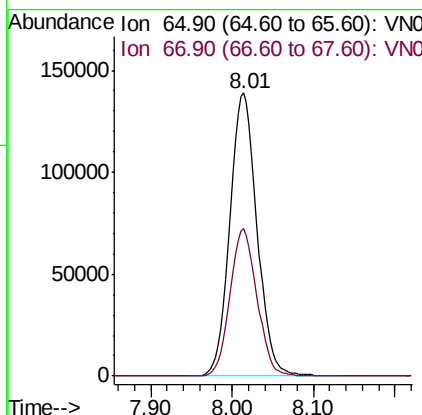
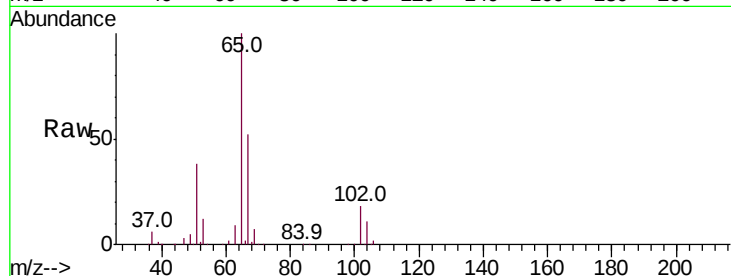
Lab File: VN057809.D

Acq: 9 Sep 2019 18:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 323971

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

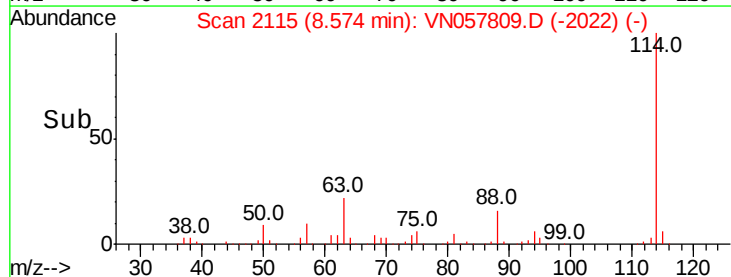
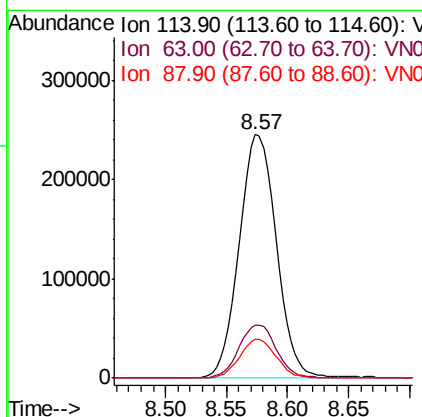
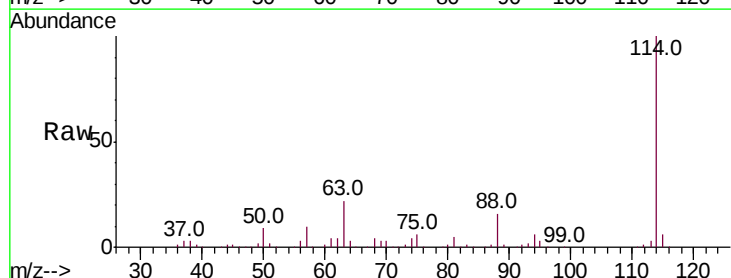
Delta R.T. 0.00 min

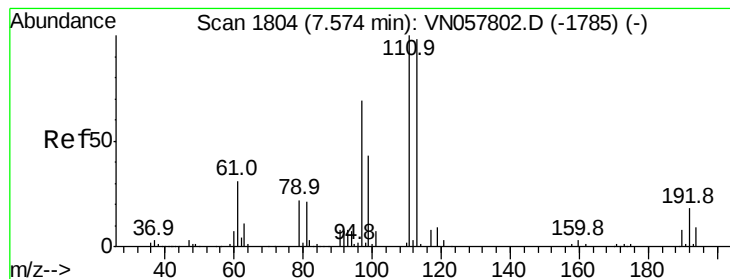
Lab File: VN057809.D

Acq: 9 Sep 2019 18:45

Tgt Ion: 114 Resp: 517525

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	44.0
88	16.1	0.0	31.4





#35

Dibromofluoromethane

Concen: 46.372 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057809.D

Acq: 9 Sep 2019 18:45

Instrument :
MSVOA_N
ClientSampled :

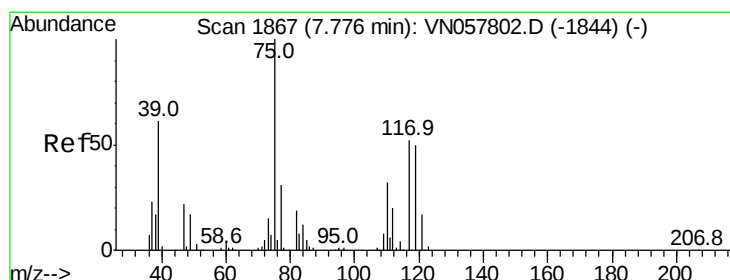
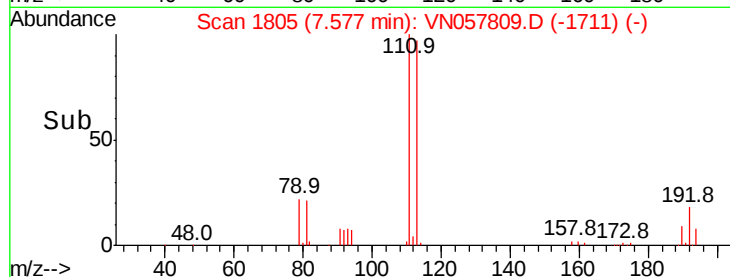
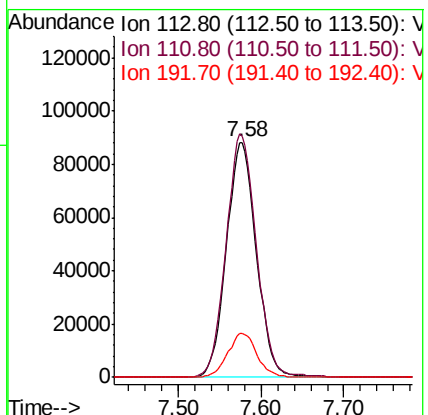
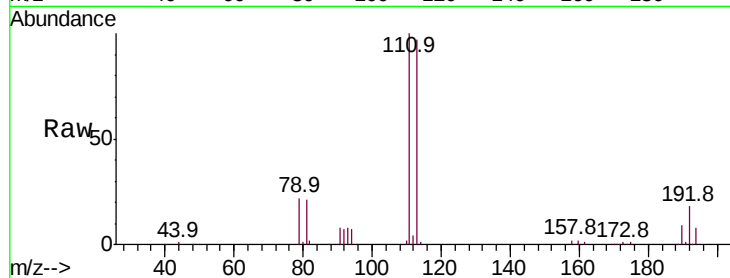
Tot Ion:113 Resp: 221499

Ion Ratio Lower Upper

113 100

111 104.5 81.3 121.9

192 18.4 14.6 22.0



#36

1,1-Dichloropropene

Concen: 4.492 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN057809.D

Acq: 9 Sep 2019 18:45

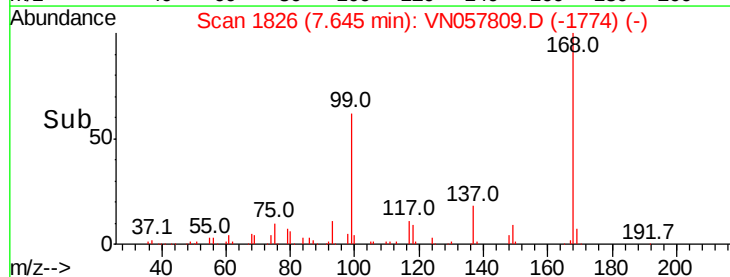
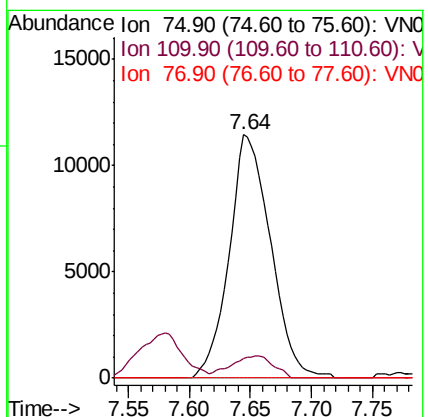
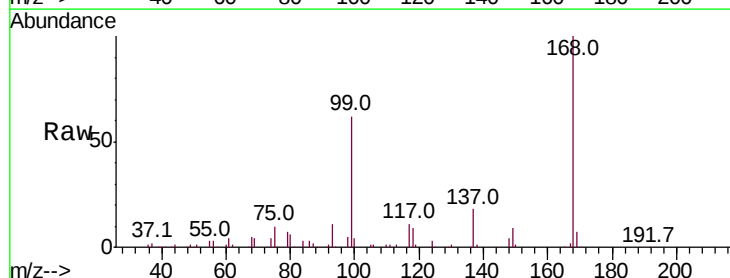
Tgt Ion: 75 Resp: 26959

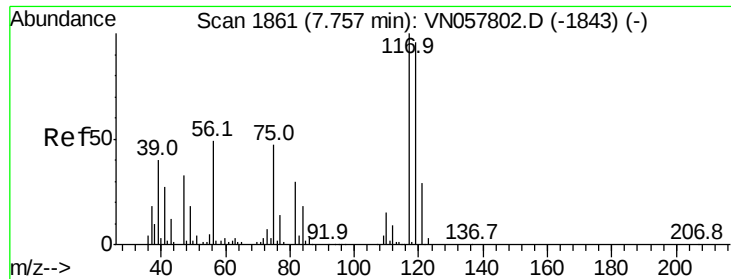
Ion Ratio Lower Upper

75 100

110 9.4 16.3 48.9#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.953 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN057809.D

Acq: 9 Sep 2019 18:45

Instrument :
MSVOA_N
ClientSampled :

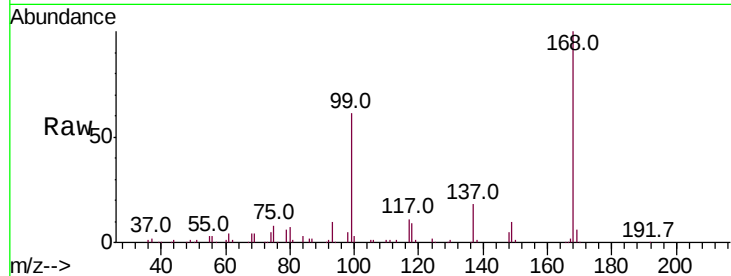
Tot Ion:117 Resp: 32622

Ion Ratio Lower Upper

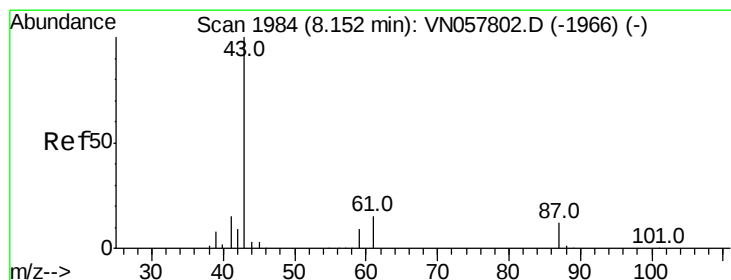
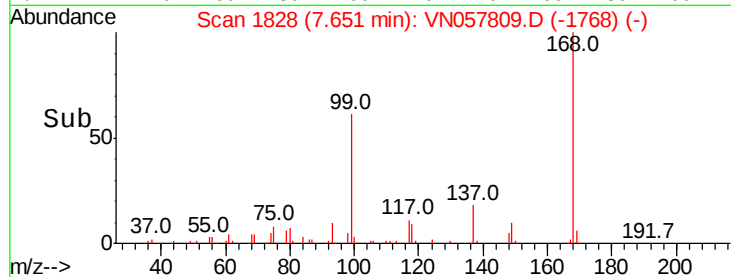
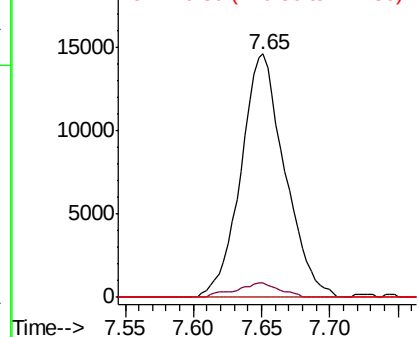
117 100

119 6.1 76.9 115.3#

121 0.0 23.4 35.2#



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



#43

Isopropyl Acetate

Concen: 0.238 ug/l

RT: 8.28 min Scan# 2025

Delta R.T. 0.13 min

Lab File: VN057809.D

Acq: 9 Sep 2019 18:45

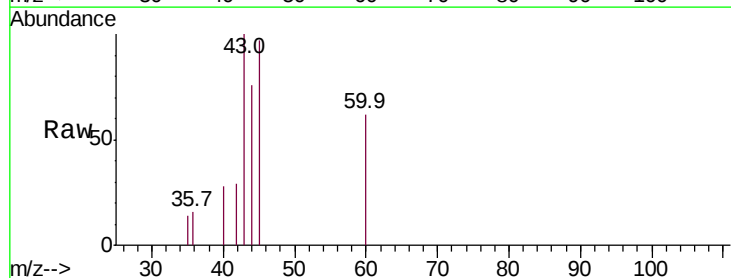
Tgt Ion: 43 Resp: 2477

Ion Ratio Lower Upper

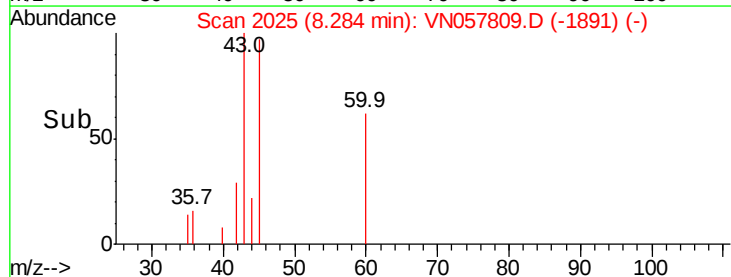
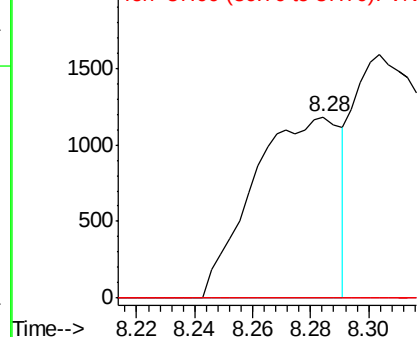
43 100

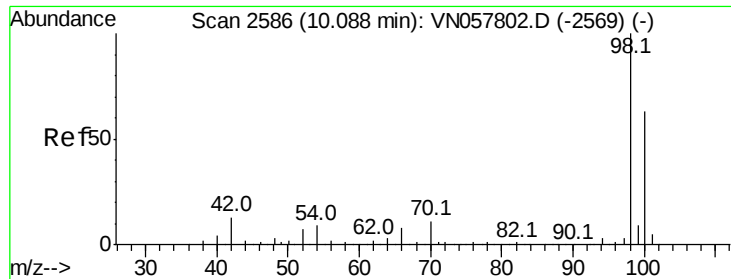
61 0.0 20.1 30.1#

87 0.0 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 49.427 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057809.D

Acq: 9 Sep 2019 18:45

Instrument :

MSVOA_N

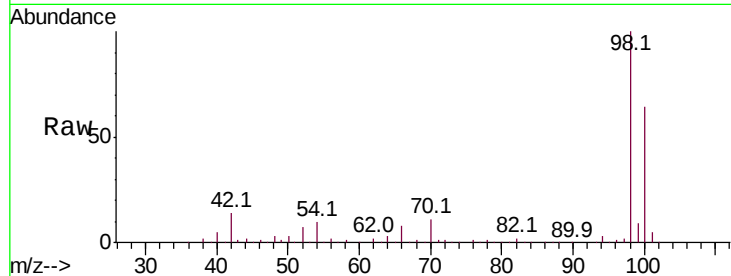
ClientSampleId :

Tot Ion: 98 Resp: 916633

Ion Ratio Lower Upper

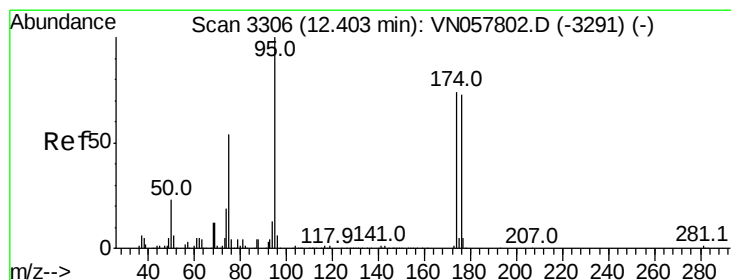
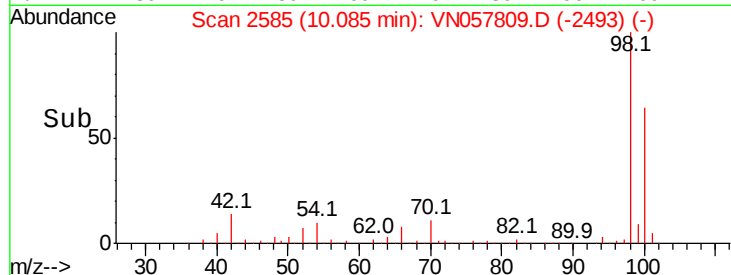
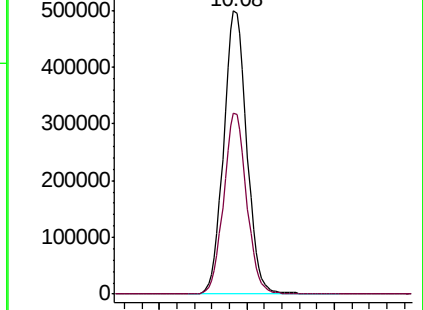
98 100

100 63.5 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 41.406 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057809.D

Acq: 9 Sep 2019 18:45

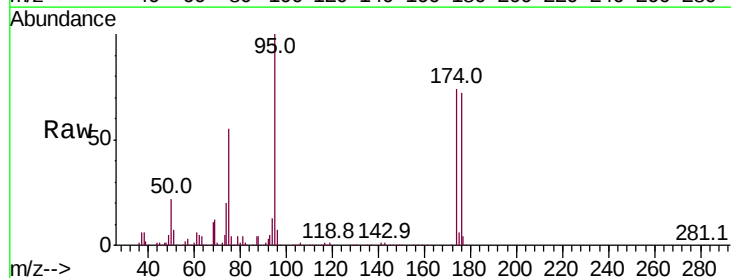
Tgt Ion: 95 Resp: 292628

Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.2

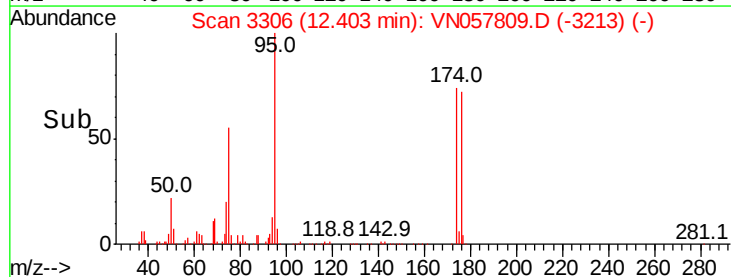
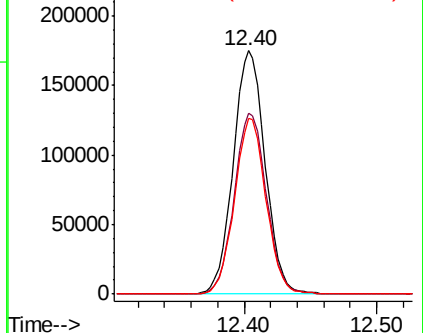
176 71.4 0.0 146.0

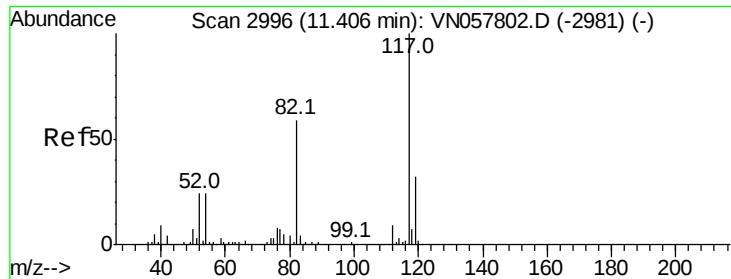


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

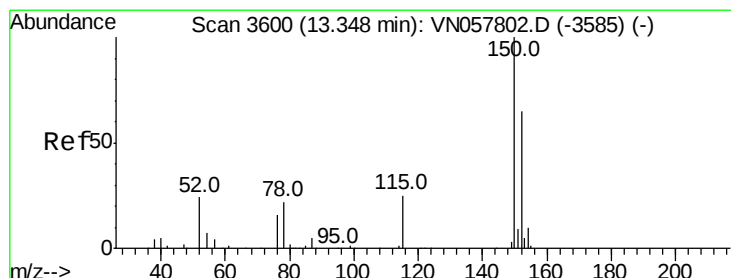
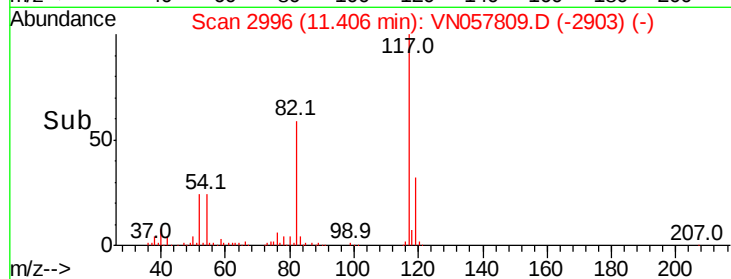
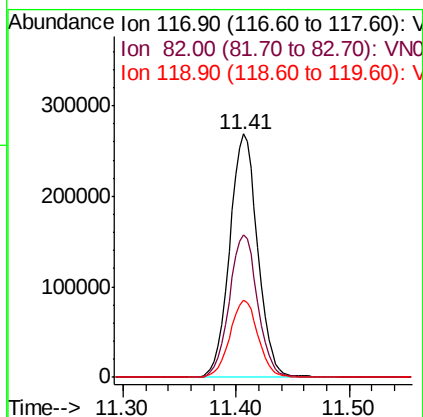
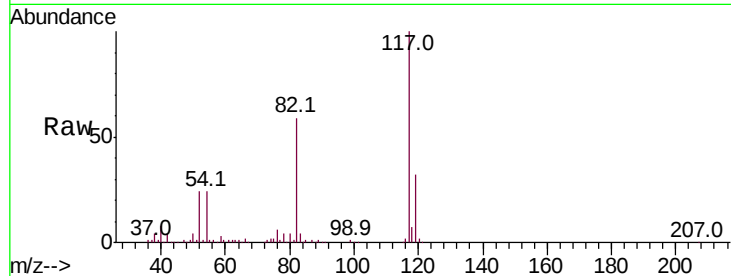




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057809.D
Acq: 9 Sep 2019 18:45

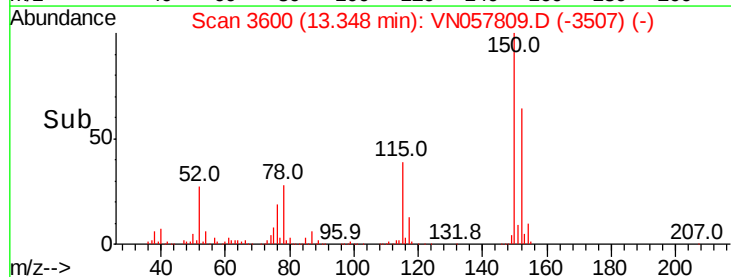
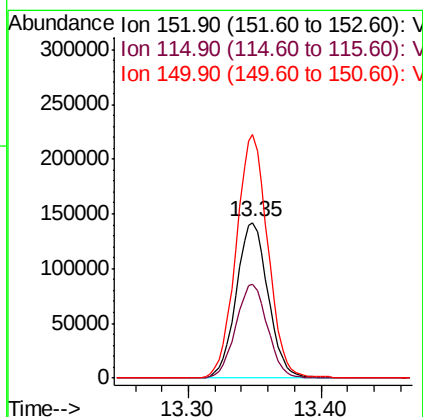
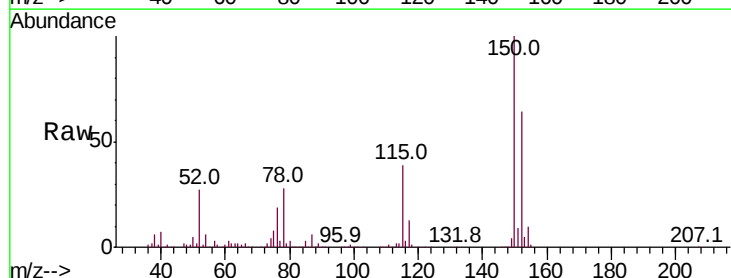
Instrument :
MSVOA_N
ClientSampleId :

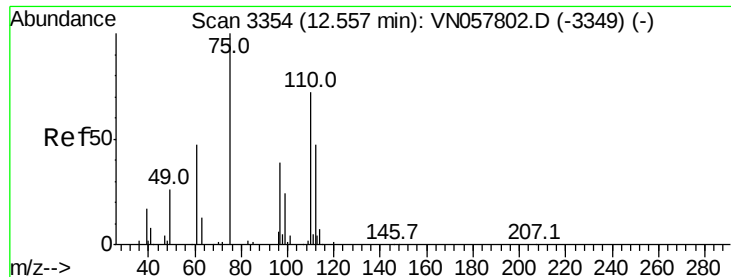
Tot Ion:117 Resp: 462281
Ion Ratio Lower Upper
117 100
82 58.6 47.2 70.8
119 31.5 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057809.D
Acq: 9 Sep 2019 18:45

Tgt Ion:152 Resp: 236758
Ion Ratio Lower Upper
152 100
115 60.3 30.3 91.0
150 156.5 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 29.827 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057809.D

Acq: 9 Sep 2019 18:45

Instrument :

MSVOA_N

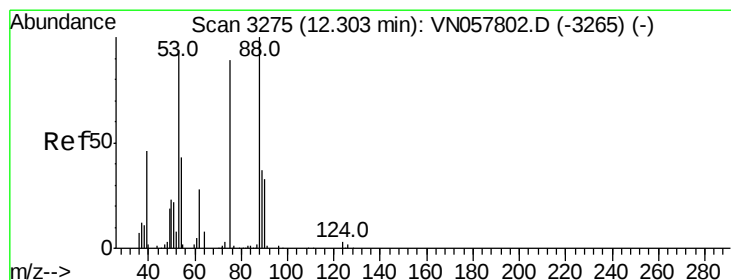
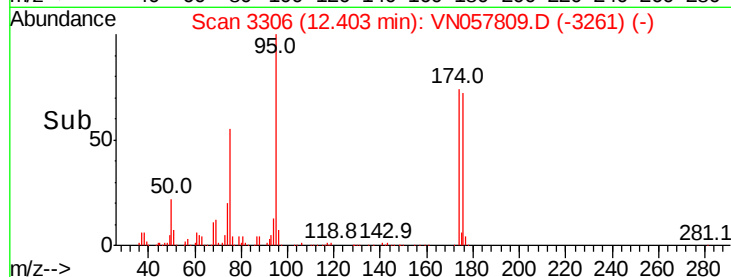
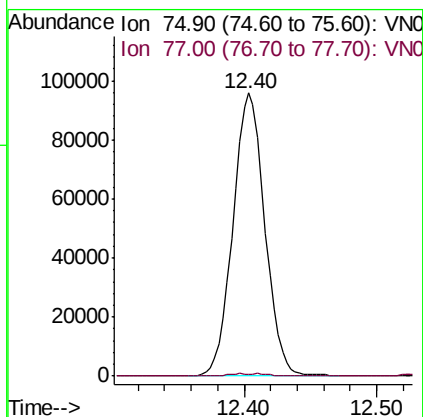
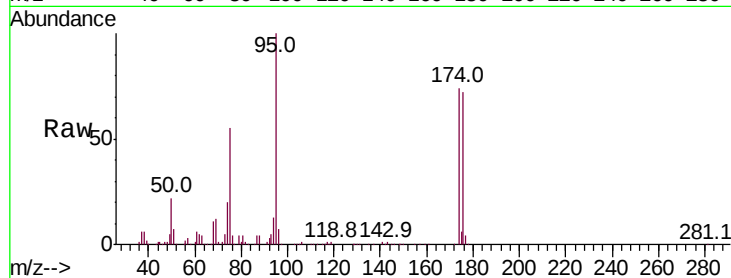
ClientSampleId :

Tot Ion: 75 Resp: 159748

Ion Ratio Lower Upper

75 100

77 0.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 104.961 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057809.D

Acq: 9 Sep 2019 18:45

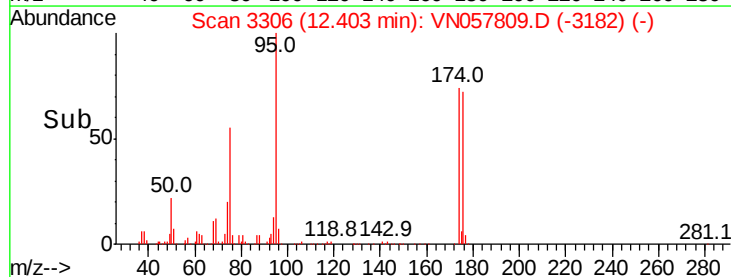
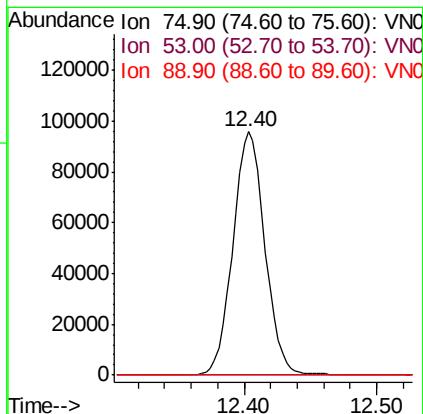
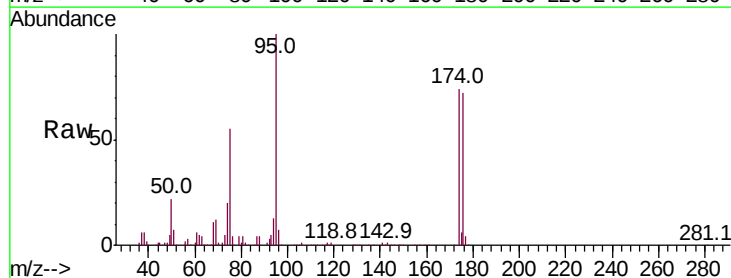
Tgt Ion: 75 Resp: 159748

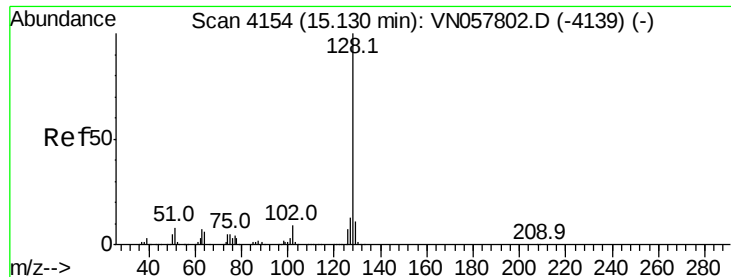
Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 35.3 52.9#





#95

Naphthalene

Concen: Below Cal

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN057809.D

Acq: 9 Sep 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

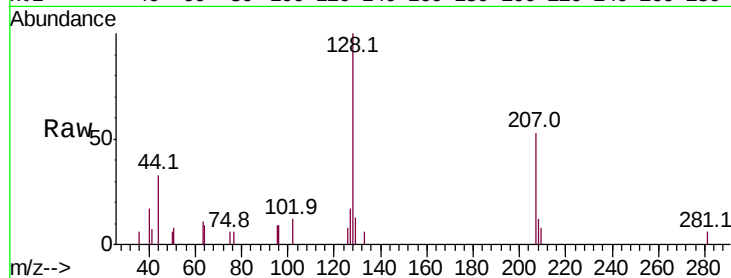
Tot Ion:128 Resp: 5360

Ion Ratio Lower Upper

128 100

127 13.7 10.3 15.5

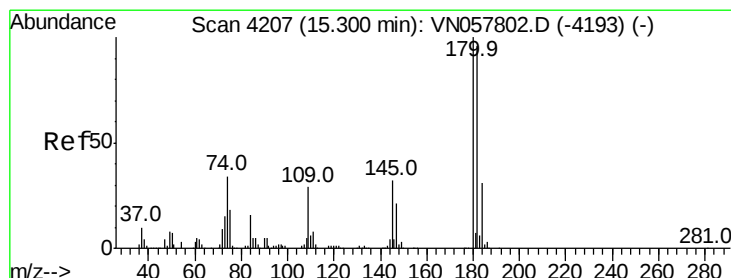
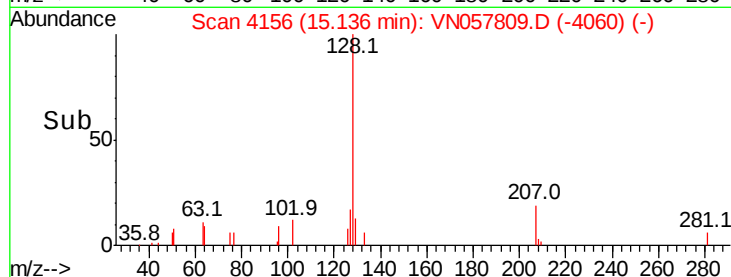
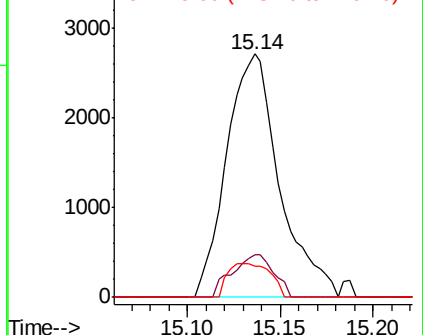
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.266 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN057809.D

Acq: 9 Sep 2019 18:45

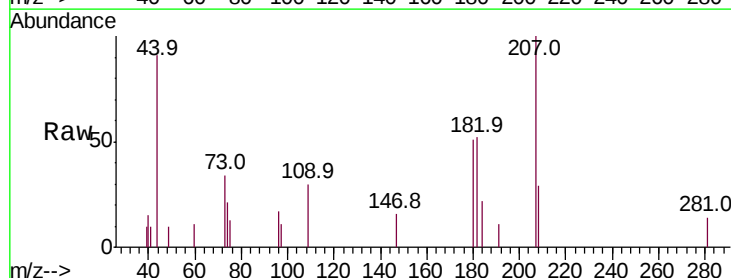
Tgt Ion:180 Resp: 1310

Ion Ratio Lower Upper

180 100

182 108.4 48.3 144.8

145 7.5 16.3 48.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

