

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063911.D
 Acq On : 6 Oct 2020 23:29
 Operator : JC/MD
 Sample : VN1006WBL03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBL03

Quant Time: Oct 07 05:00:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	246501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	443795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	454932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	187027	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	210901	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
35) Dibromofluoromethane	7.55	113	153829	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
50) Toluene-d8	10.06	98	566868	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
62) 4-Bromofluorobenzene	12.38	95	219631	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	

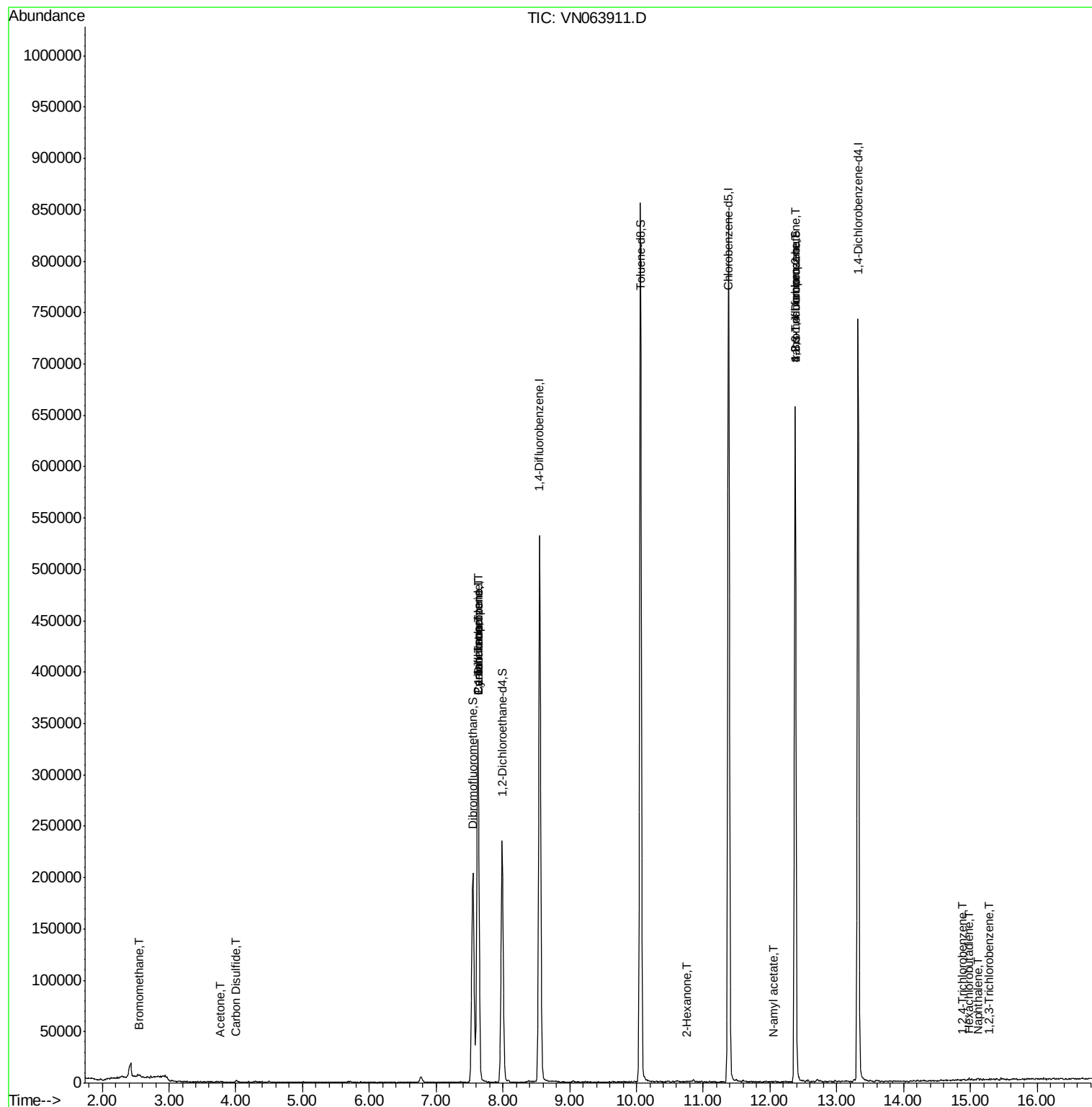
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	553	0.287	ug/l	86
16) Acetone	3.77	43	293	0.234	ug/l #	47
17) Carbon Disulfide	4.02	76	2129	1.013	ug/l #	68
31) Cyclohexane	7.63	56	7280	1.540	ug/l #	27
36) 1,1-Dichloropropene	7.63	75	21954	4.883	ug/l #	48
38) Carbon Tetrachloride	7.63	117	26520	5.260	ug/l #	14
59) 2-Hexanone	10.75	43	673	0.210	ug/l #	28
74) N-amyl acetate	12.05	43	62	2.225	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	122117	29.620	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	122117	85.310	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.89	180	307	1.827	ug/l #	62
94) Hexachlorobutadiene	14.98	225	292	0.246	ug/l	71
95) Naphthalene	15.11	128	547	1.977	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.30	180	342	1.673	ug/l #	71

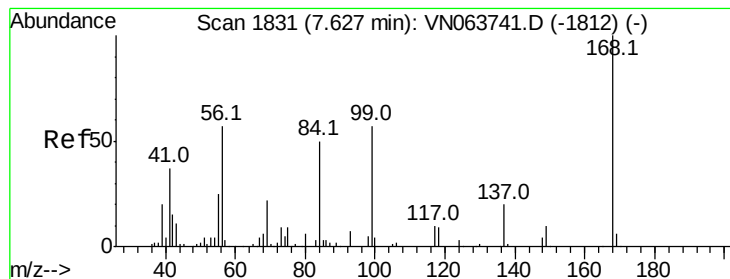
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063911.D

Acq: 6 Oct 2020 23:29

Instrument :

MSVOA_N

ClientSampleId :

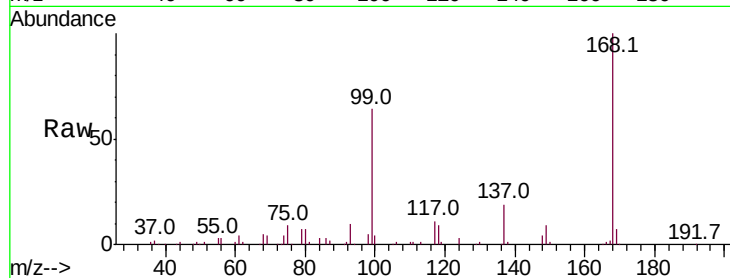
VN1006WBL03

Tot Ion:168 Resp: 246501

Ion Ratio Lower Upper

168 100

99 63.6 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): VN063911.D (-1738) (-)

Ion 98.90 (98.60 to 99.60): VN063911.D (-1738) (-)

7.63

120000

100000

80000

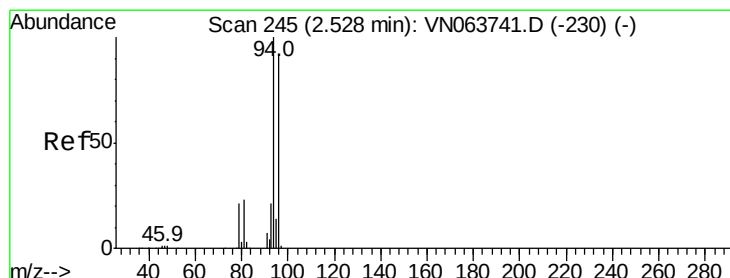
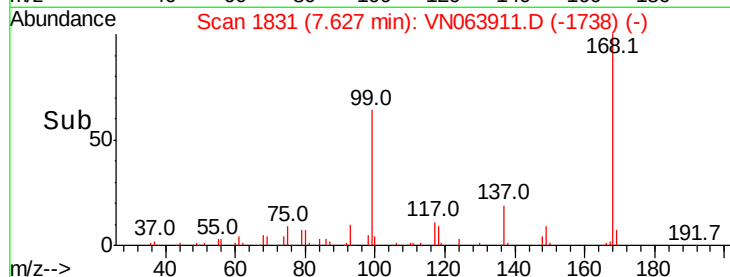
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#5

Bromomethane

Concen: 0.287 ug/l

RT: 2.55 min Scan# 251

Delta R.T. 0.02 min

Lab File: VN063911.D

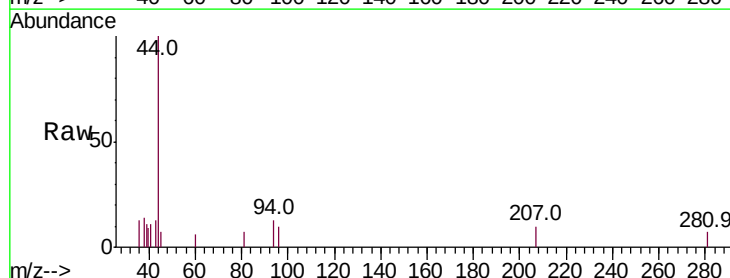
Acq: 6 Oct 2020 23:29

Tgt Ion: 94 Resp: 553

Ion Ratio Lower Upper

94 100

96 78.7 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VN063911.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VN063911.D (-152) (-)

2.55

400

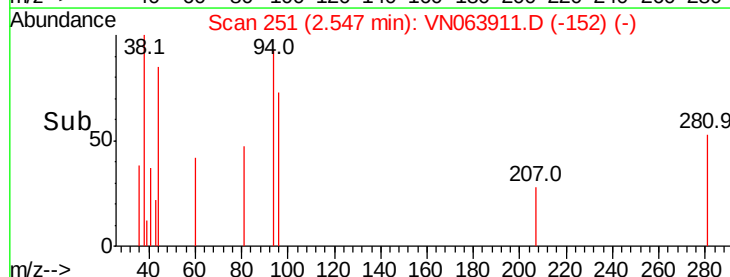
300

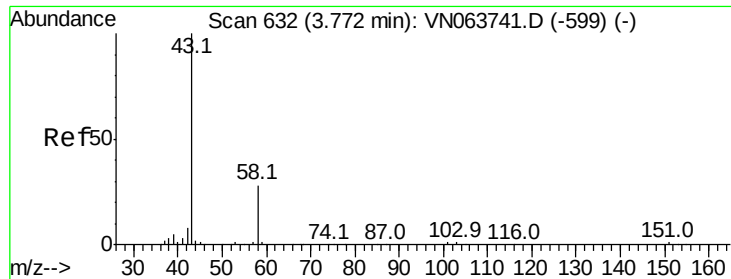
200

100

0

Time--> 2.50 2.52 2.54 2.56





#16

Acetone

Concen: 0.234 ug/l

RT: 3.77 min Scan# 630

Delta R.T. -0.01 min

Lab File: VN063911.D

Acq: 6 Oct 2020 23:29

Instrument :

MSVOA_N

ClientSampleId :

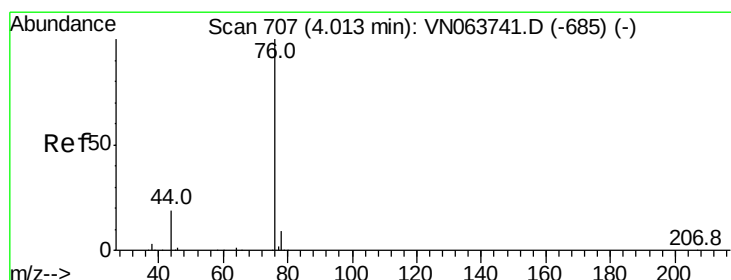
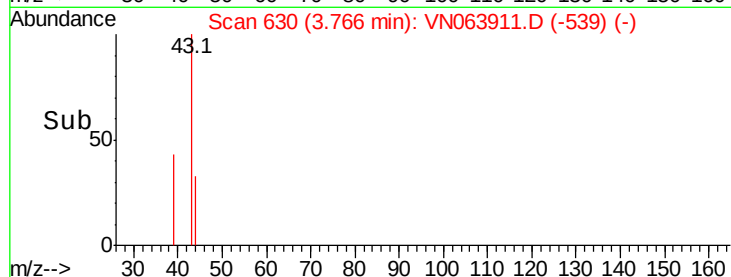
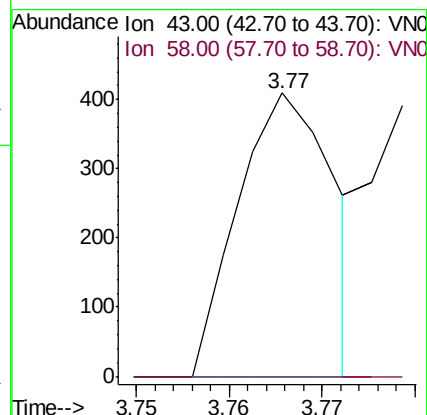
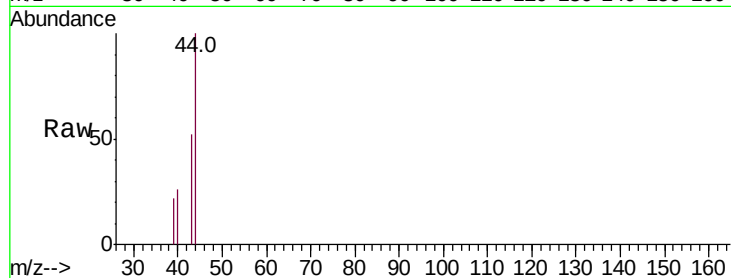
VN1006WBL03

Tot Ion: 43 Resp: 293

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#



#17

Carbon Disulfide

Concen: 1.013 ug/l

RT: 4.02 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN063911.D

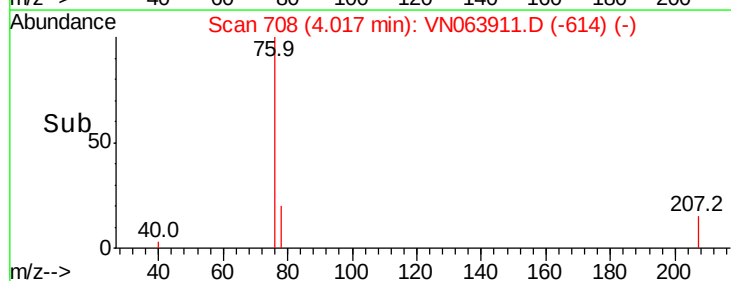
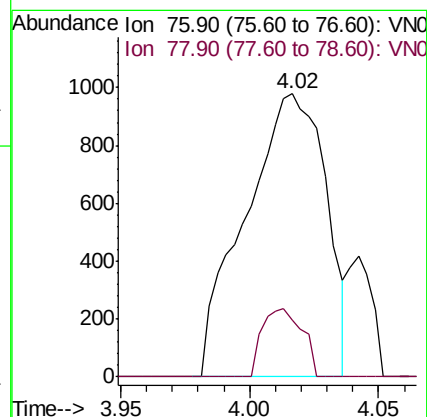
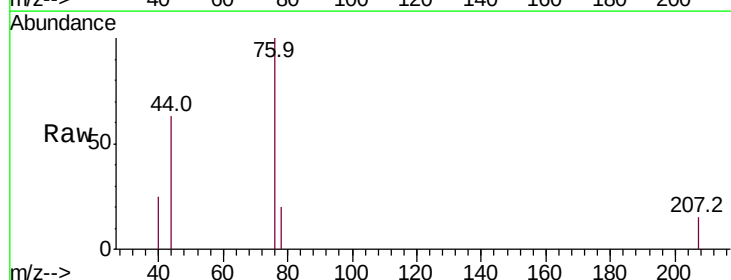
Acq: 6 Oct 2020 23:29

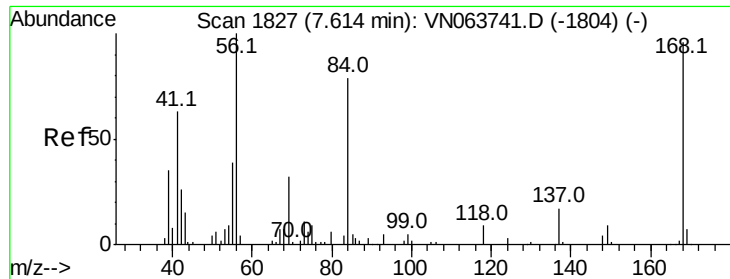
Tgt Ion: 76 Resp: 2129

Ion Ratio Lower Upper

76 100

78 20.0 7.0 10.4#

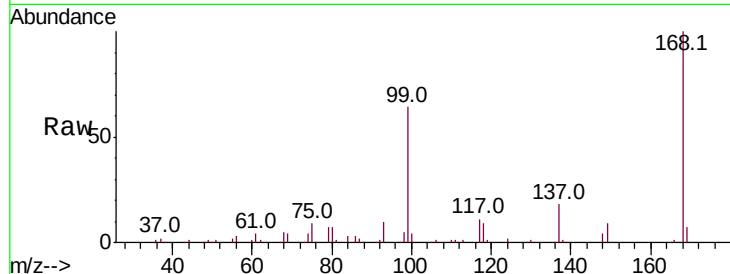




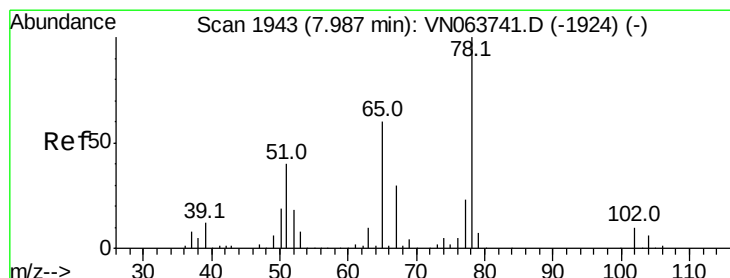
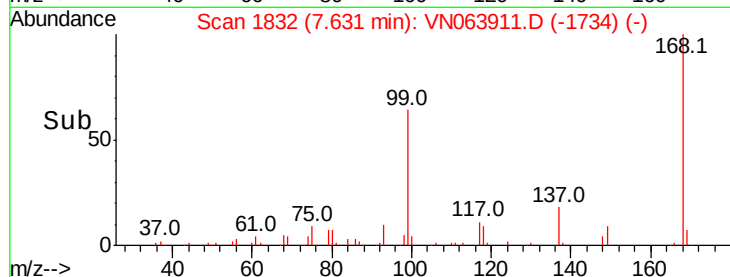
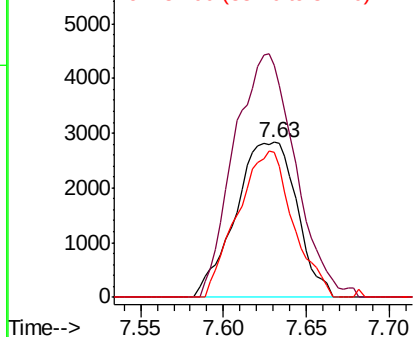
#31
Cyclohexane
Concen: 1.540 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN063911.D
Acq: 6 Oct 2020 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBL03

Tot Ion: 56 Resp: 7280
Ion Ratio Lower Upper
56 100
69 150.0 25.4 38.2#
84 93.3 63.3 94.9

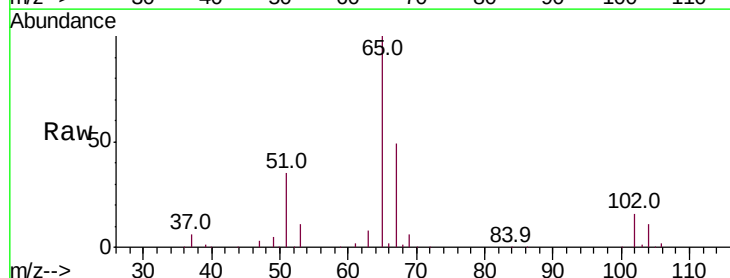


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

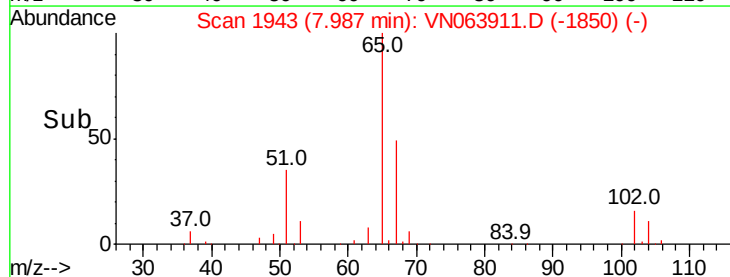
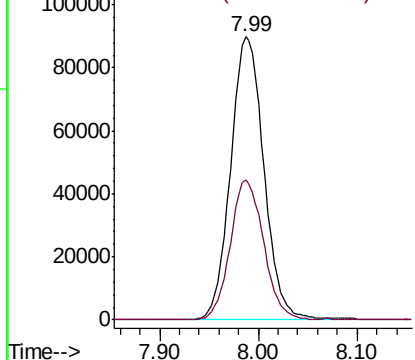


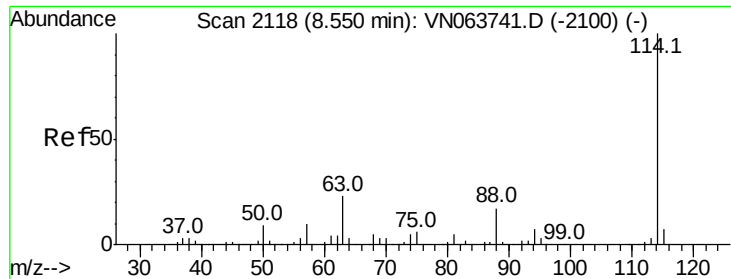
#33
1,2-Dichloroethane-d4
Concen: 51.788 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN063911.D
Acq: 6 Oct 2020 23:29

Tgt Ion: 65 Resp: 210901
Ion Ratio Lower Upper
65 100
67 49.6 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

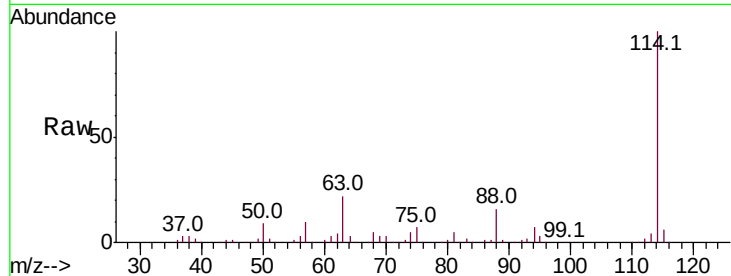




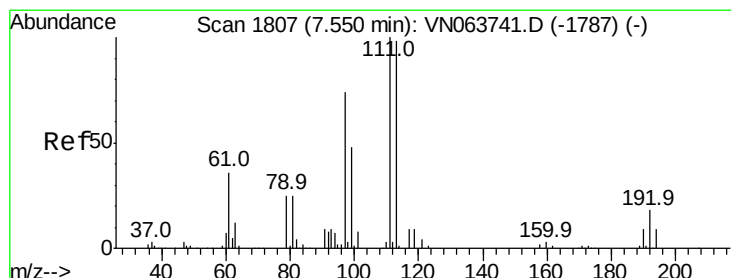
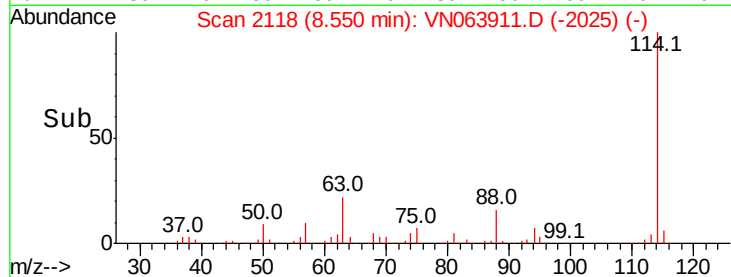
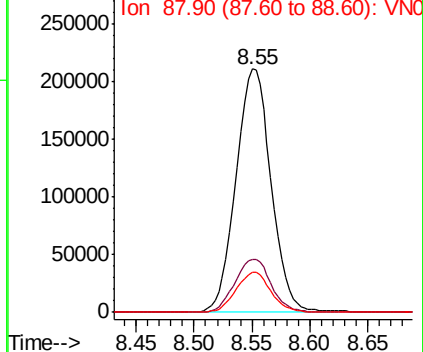
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063911.D
 Acq: 6 Oct 2020 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBL03

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	45.0
88	16.3	0.0	34.0

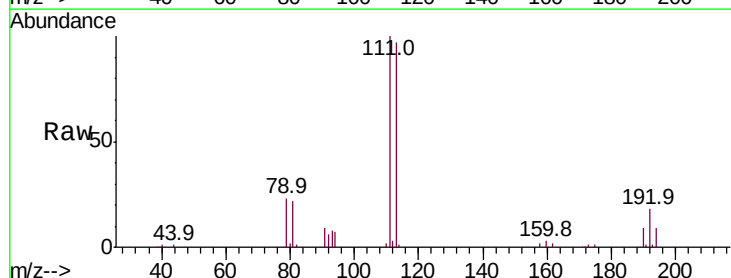


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

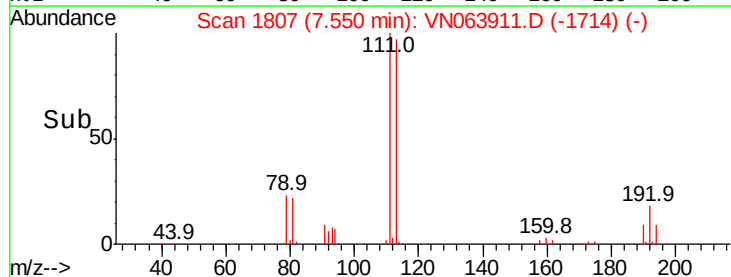
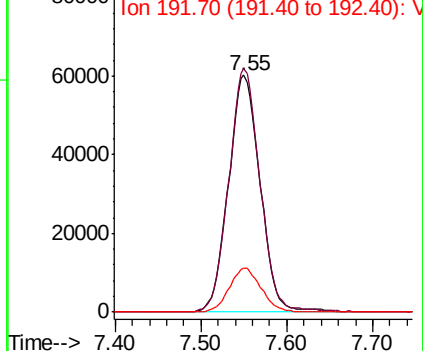


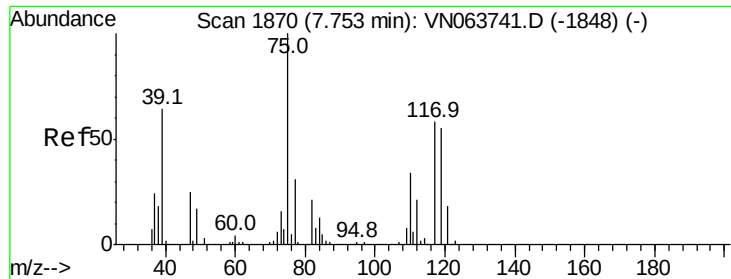
#35
 Dibromofluoromethane
 Concen: 49.954 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063911.D
 Acq: 6 Oct 2020 23:29

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.8	122.8
192	18.5	14.2	21.2



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

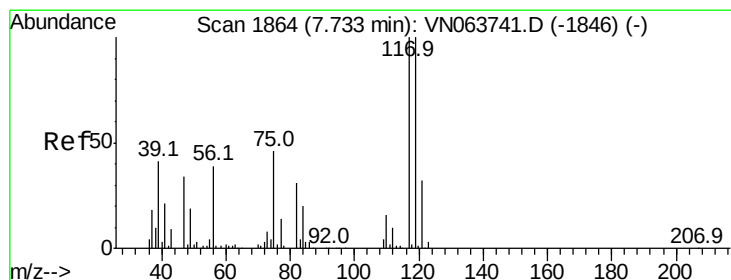
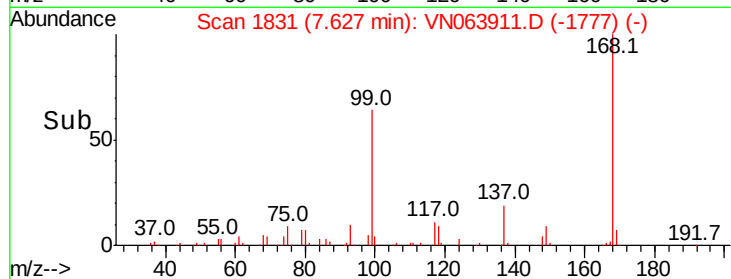
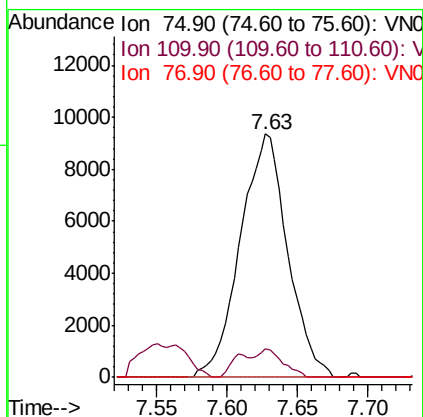
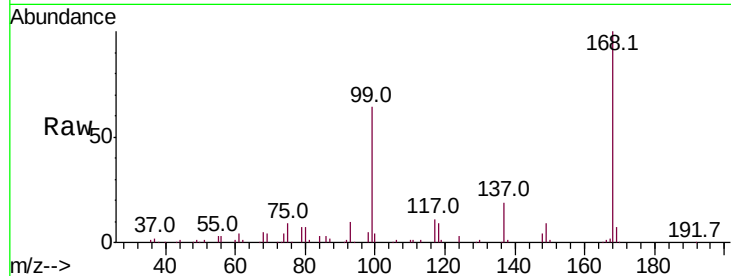




#36
 1,1-Dichloropropene
 Concen: 4.883 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063911.D
 Acq: 6 Oct 2020 23:29

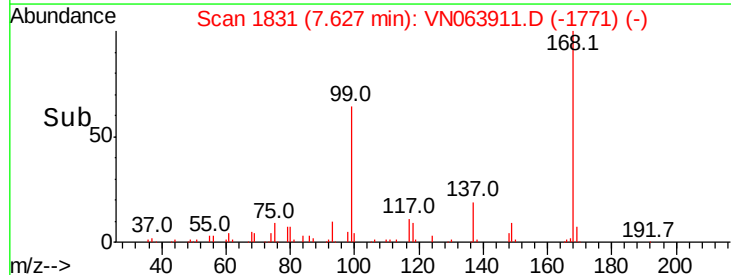
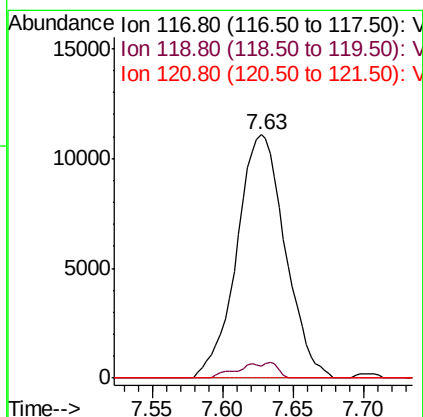
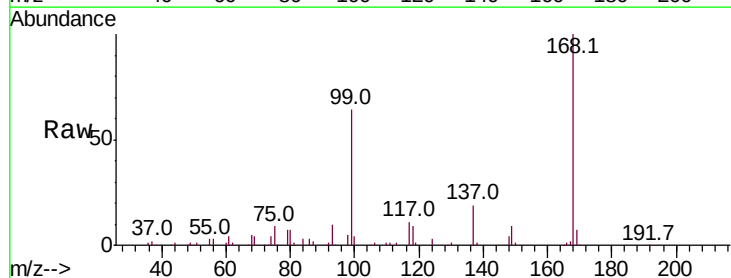
Instrument :
 MSVOA_N
 ClientSampleId :
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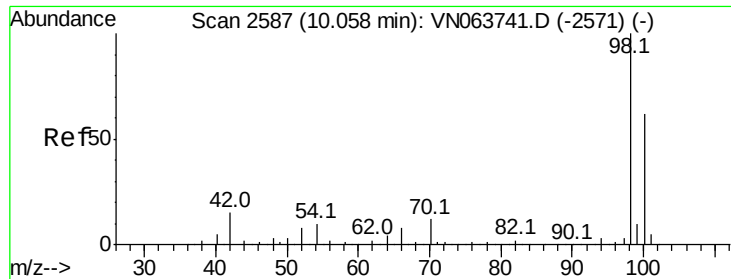
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.3	16.9	50.6#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 5.260 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN063911.D
 Acq: 6 Oct 2020 23:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	80.1	120.1#
121	0.0	25.7	38.5#

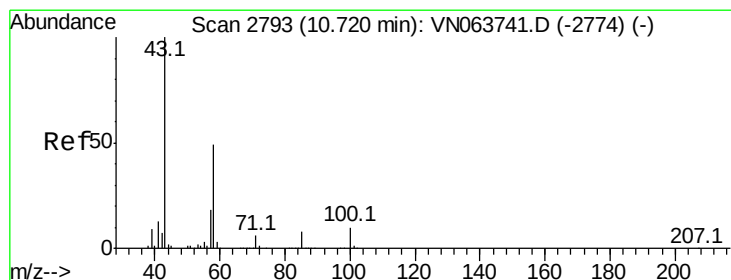
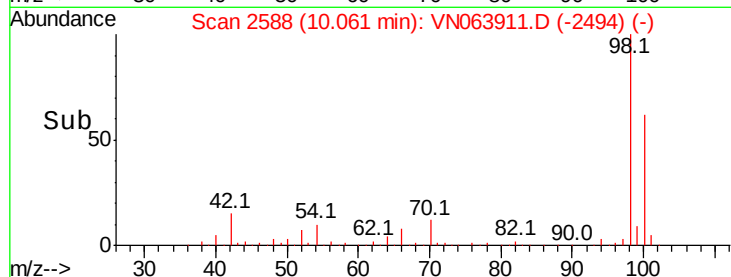
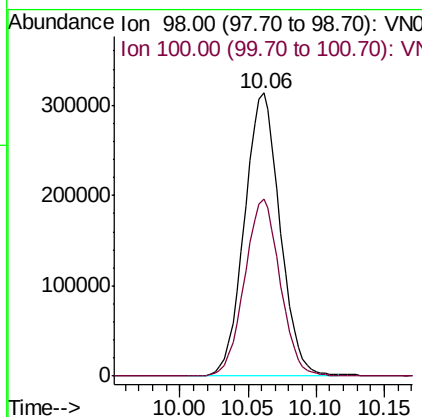
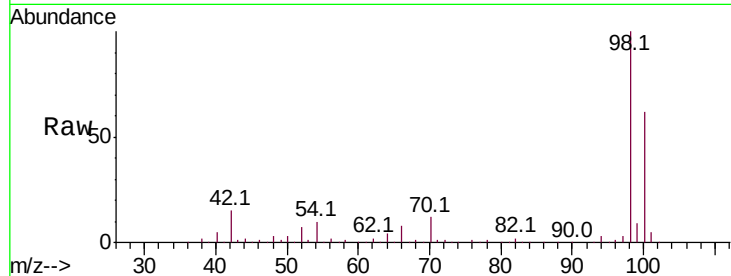




#50
Toluene-d8
Concen: 48.560 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063911.D
Acq: 6 Oct 2020 23:29

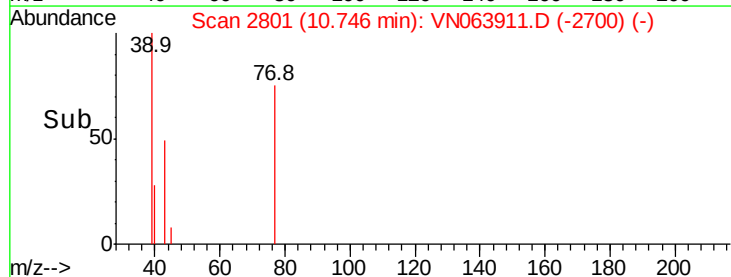
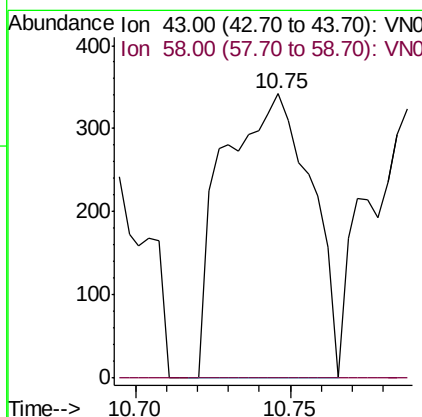
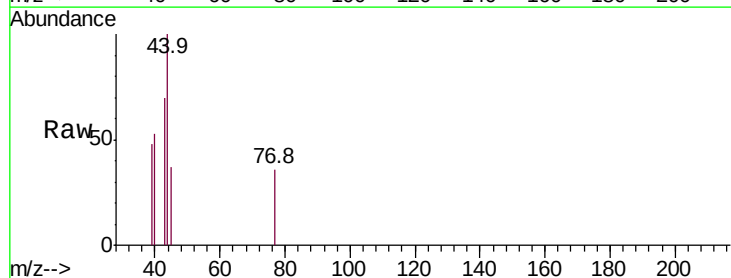
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MSVOA_N
ClientSampled :
VN1006WBL03

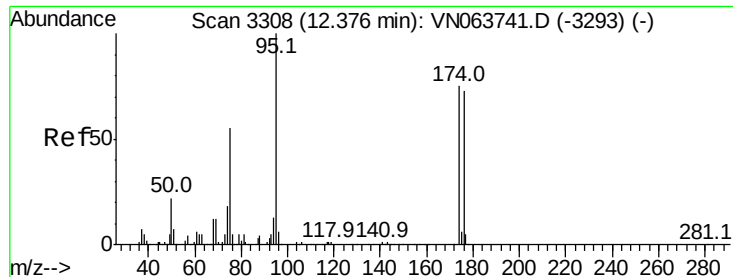
Tot Ion: 98 Resp: 566868
Ion Ratio Lower Upper
98 100
100 62.7 49.8 74.6



#59
2-Hexanone
Concen: 0.210 ug/l
RT: 10.75 min Scan# 2801
Delta R.T. 0.03 min
Lab File: VN063911.D
Acq: 6 Oct 2020 23:29

Tgt Ion: 43 Resp: 673
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#

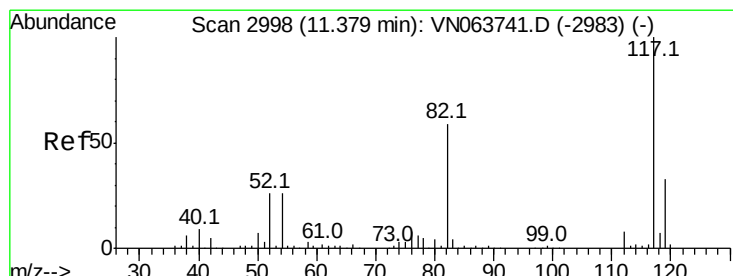
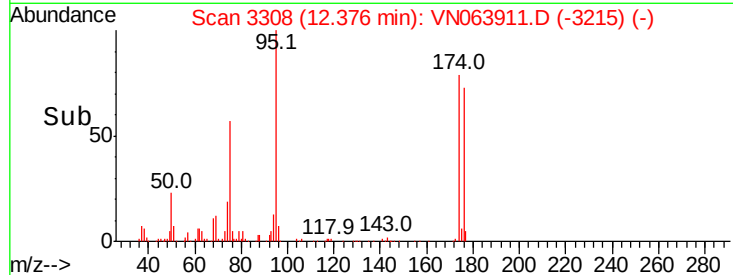
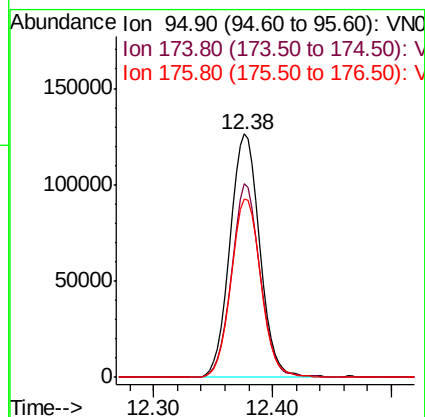
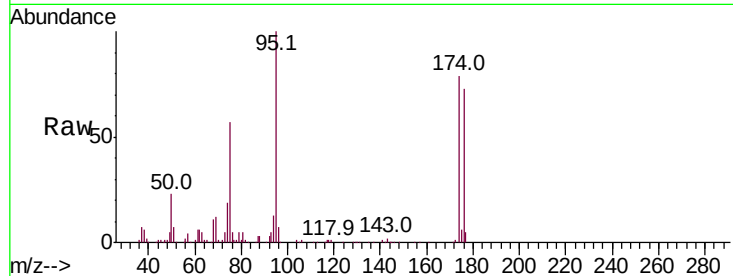




#62
4-Bromofluorobenzene
Concen: 50.050 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063911.D
Acq: 6 Oct 2020 23:29

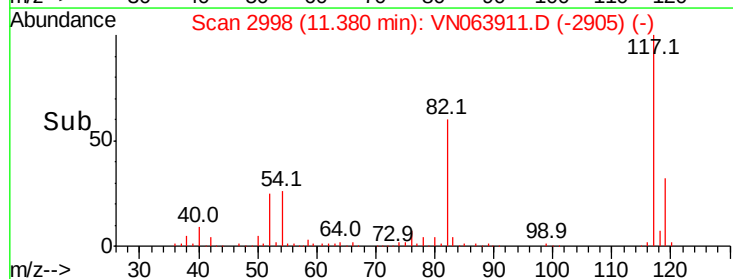
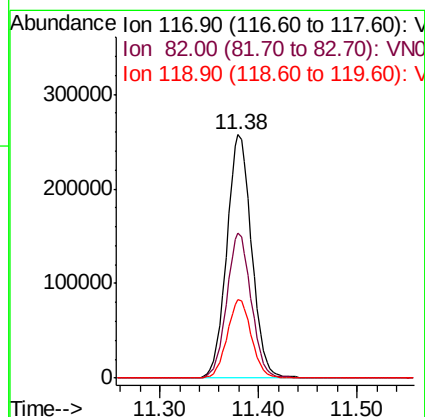
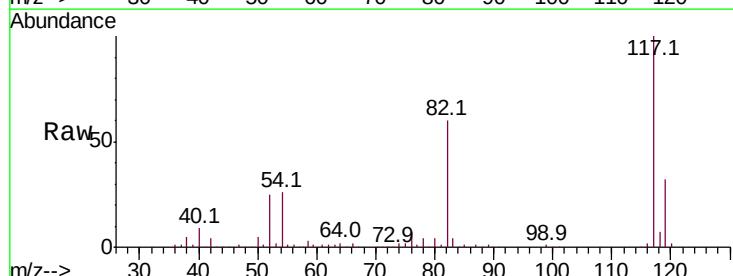
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MSVOA_N
ClientSampleId :
VN1006WBL03

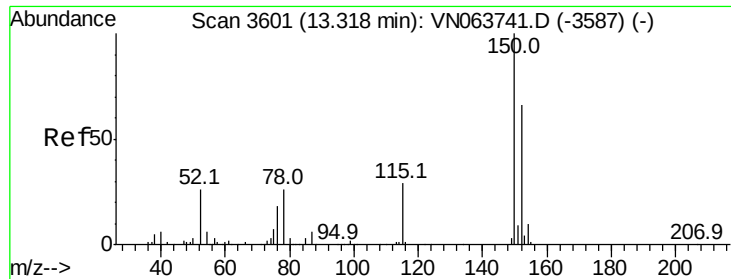
Tot Ion: 95 Resp: 219631
Ion Ratio Lower Upper
95 100
174 76.3 0.0 150.6
176 73.1 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063911.D
Acq: 6 Oct 2020 23:29

Tgt Ion: 117 Resp: 454932
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.2
119 32.3 26.4 39.6

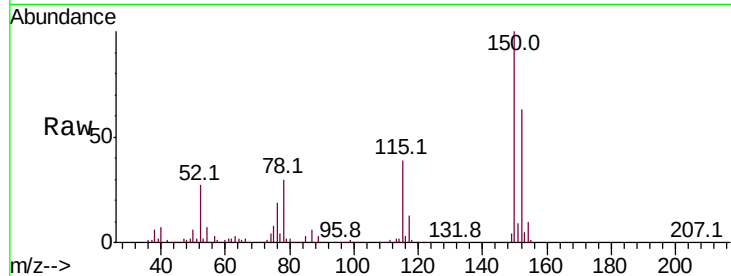




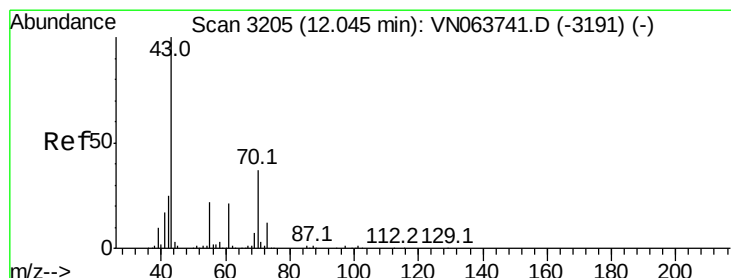
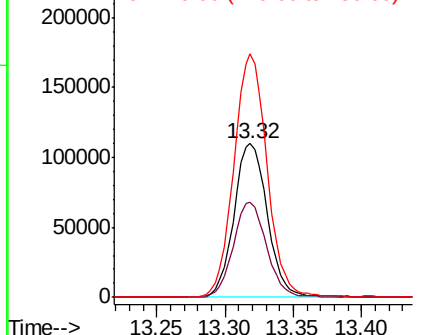
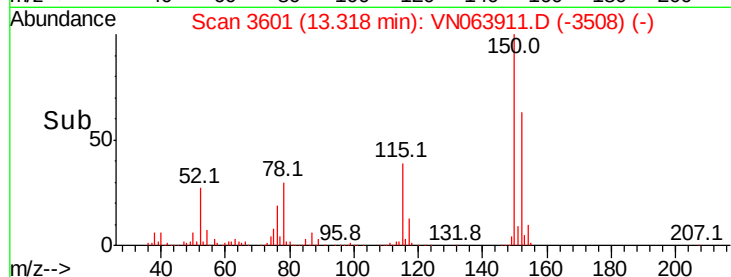
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VN063911.D
 Acq: 6 Oct 2020 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBL03

Tot Ion:152 Resp: 187027
 Ion Ratio Lower Upper
 152 100
 115 61.6 31.3 93.8
 150 157.5 0.0 341.8

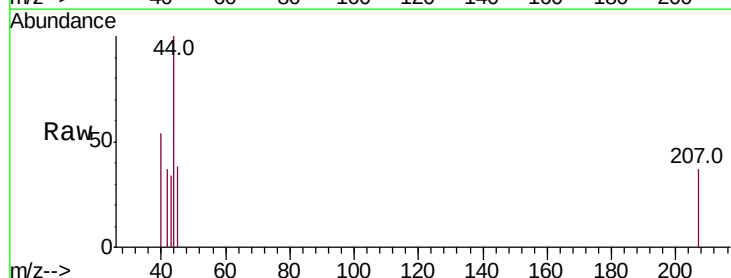


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

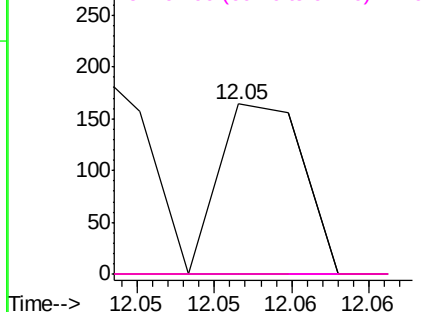
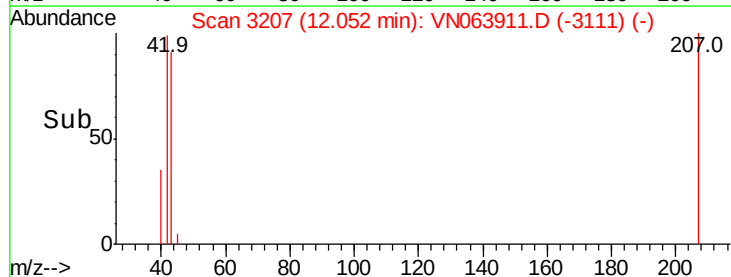


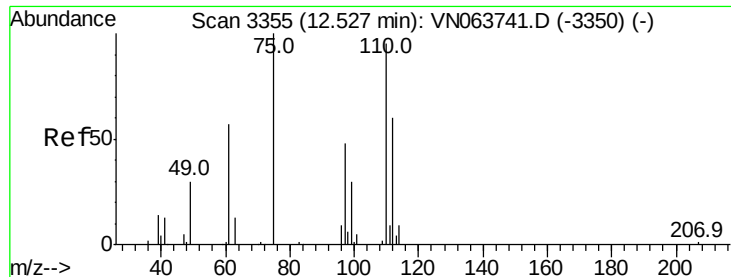
#74
 N-ethyl acetate
 Concen: 2.225 ug/l
 RT: 12.05 min Scan# 3207
 Delta R.T. 0.01 min
 Lab File: VN063911.D
 Acq: 6 Oct 2020 23:29

Tgt Ion: 43 Resp: 62
 Ion Ratio Lower Upper
 43 100
 70 0.0 29.8 44.8#
 55 0.0 17.9 26.9#
 61 0.0 17.0 25.4#



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: 29.620 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063911.D

Acq: 6 Oct 2020 23:29

Instrument :

MSVOA_N

ClientSampleId :

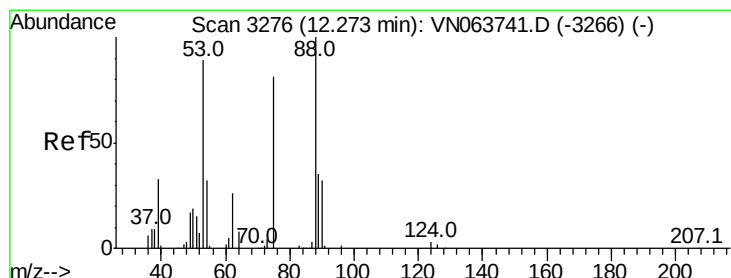
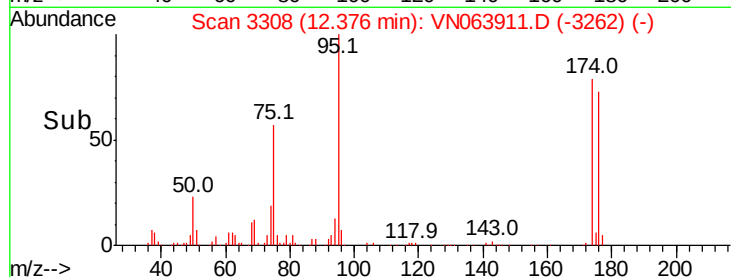
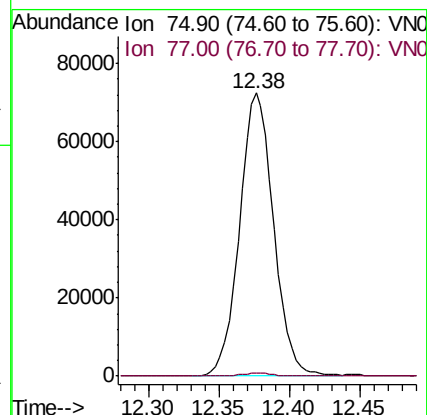
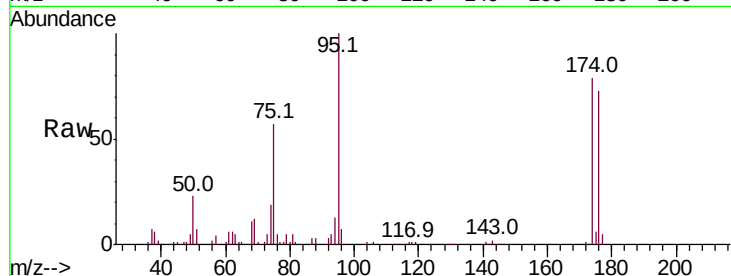
VN1006WBL03

Tot Ion: 75 Resp: 122117

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 85.310 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063911.D

Acq: 6 Oct 2020 23:29

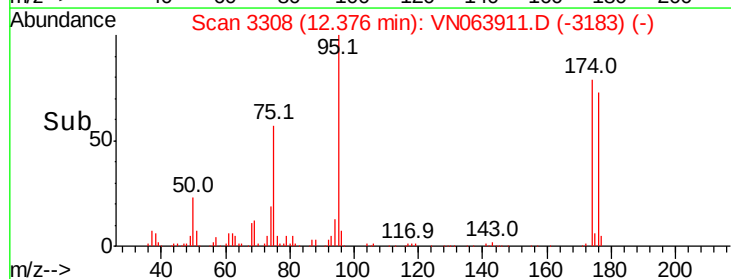
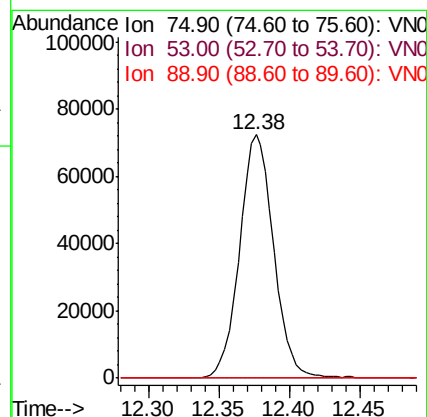
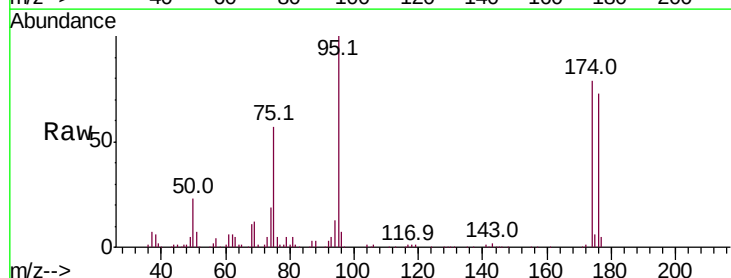
Tgt Ion: 75 Resp: 122117

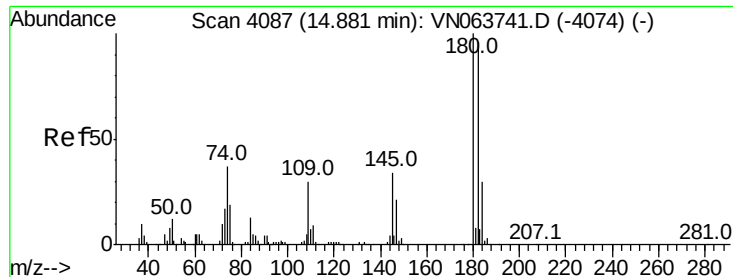
Ion Ratio Lower Upper

75 100

53 0.0 88.2 132.2#

89 0.0 36.0 54.0#





#93

1,2,4-Trichlorobenzene

Concen: 1.827 ug/l

RT: 14.89 min Scan# 4090

Delta R.T. 0.01 min

Lab File: VN063911.D

Acq: 6 Oct 2020 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBL03

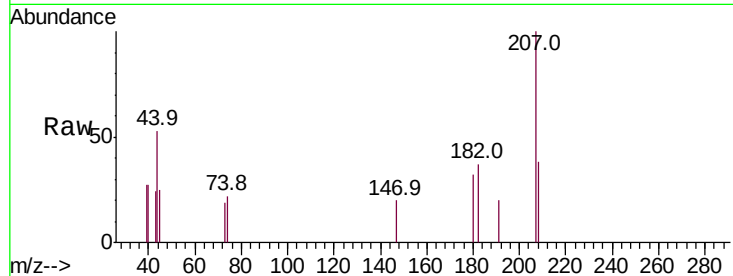
Tot Ion:180 Resp: 307

Ion Ratio Lower Upper

180 100

182 126.7 48.2 144.6

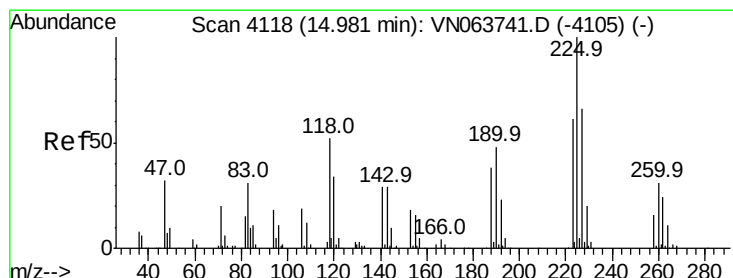
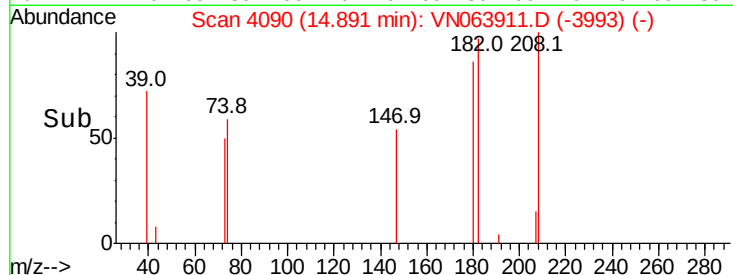
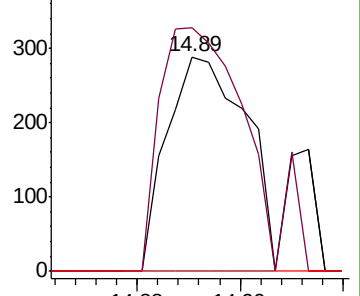
145 0.0 17.1 51.2#



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



#94

Hexachlorobutadiene

Concen: 0.246 ug/l

RT: 14.98 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN063911.D

Acq: 6 Oct 2020 23:29

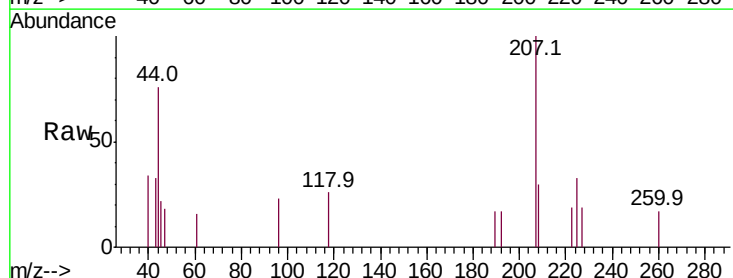
Tgt Ion:225 Resp: 292

Ion Ratio Lower Upper

225 100

223 41.4 30.3 91.0

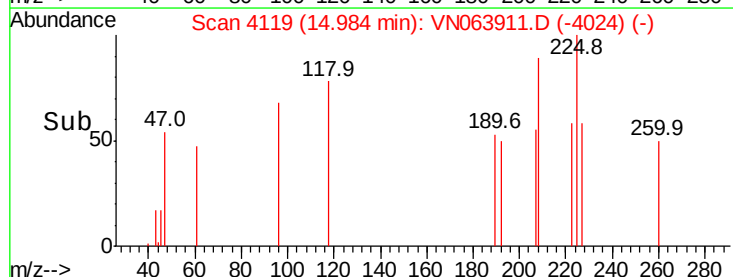
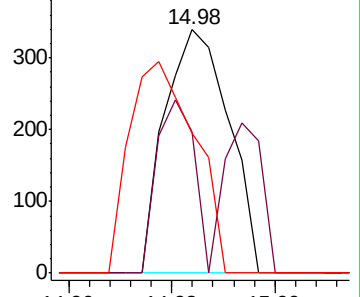
227 89.0 31.9 95.5

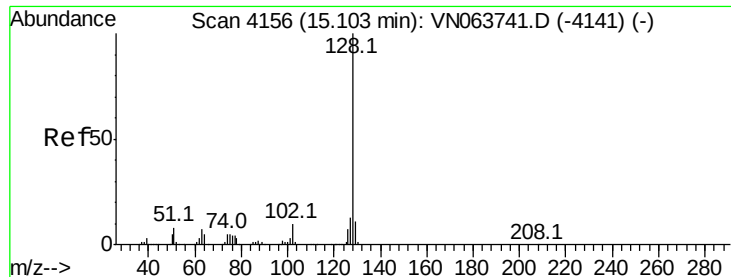


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 1.977 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063911.D

Acq: 6 Oct 2020 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBL03

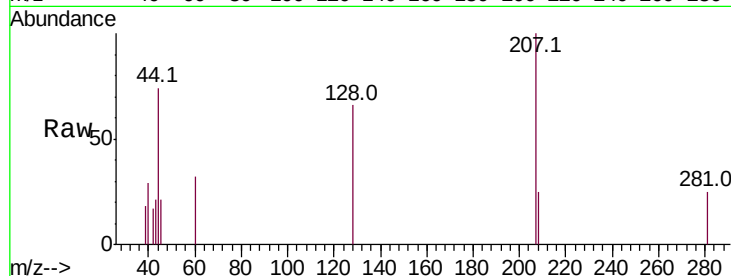
Tot Ion:128 Resp: 547

Ion Ratio Lower Upper

128 100

127 11.9 10.5 15.7

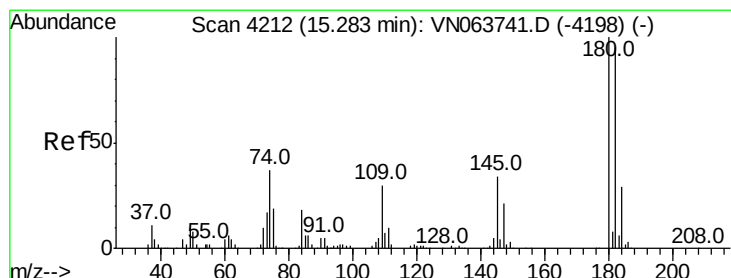
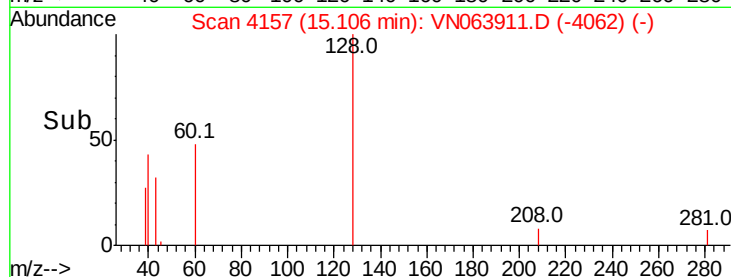
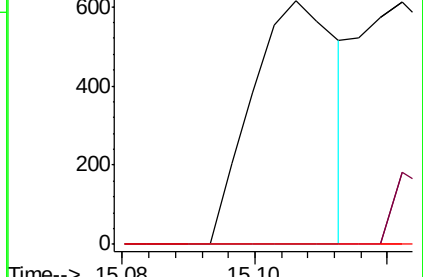
129 0.0 8.7 13.1#



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: 1.673 ug/l

RT: 15.30 min Scan# 4216

Delta R.T. 0.01 min

Lab File: VN063911.D

Acq: 6 Oct 2020 23:29

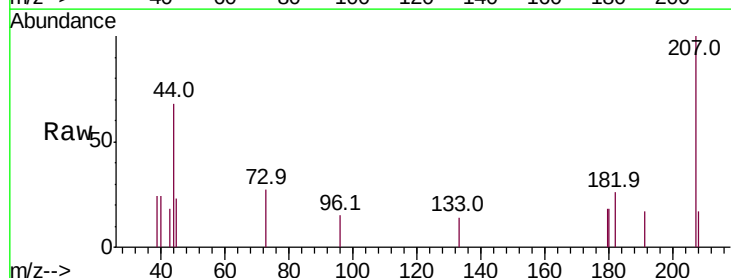
Tgt Ion:180 Resp: 342

Ion Ratio Lower Upper

180 100

182 78.4 47.9 143.6

145 0.0 17.2 51.5#



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

