

Data File : VN061793.D
Acq On : 12 Jun 2020 16:00
Operator : JC/MD
Sample : L2988-19
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RE135D3-20200609

Quant Time: Jun 24 07:45:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	273497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	459368	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	455616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	201974	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	153830	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
35) Dibromofluoromethane	7.55	113	131984	56.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.28%	
50) Toluene-d8	10.06	98	554273	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.38	95	190687	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	

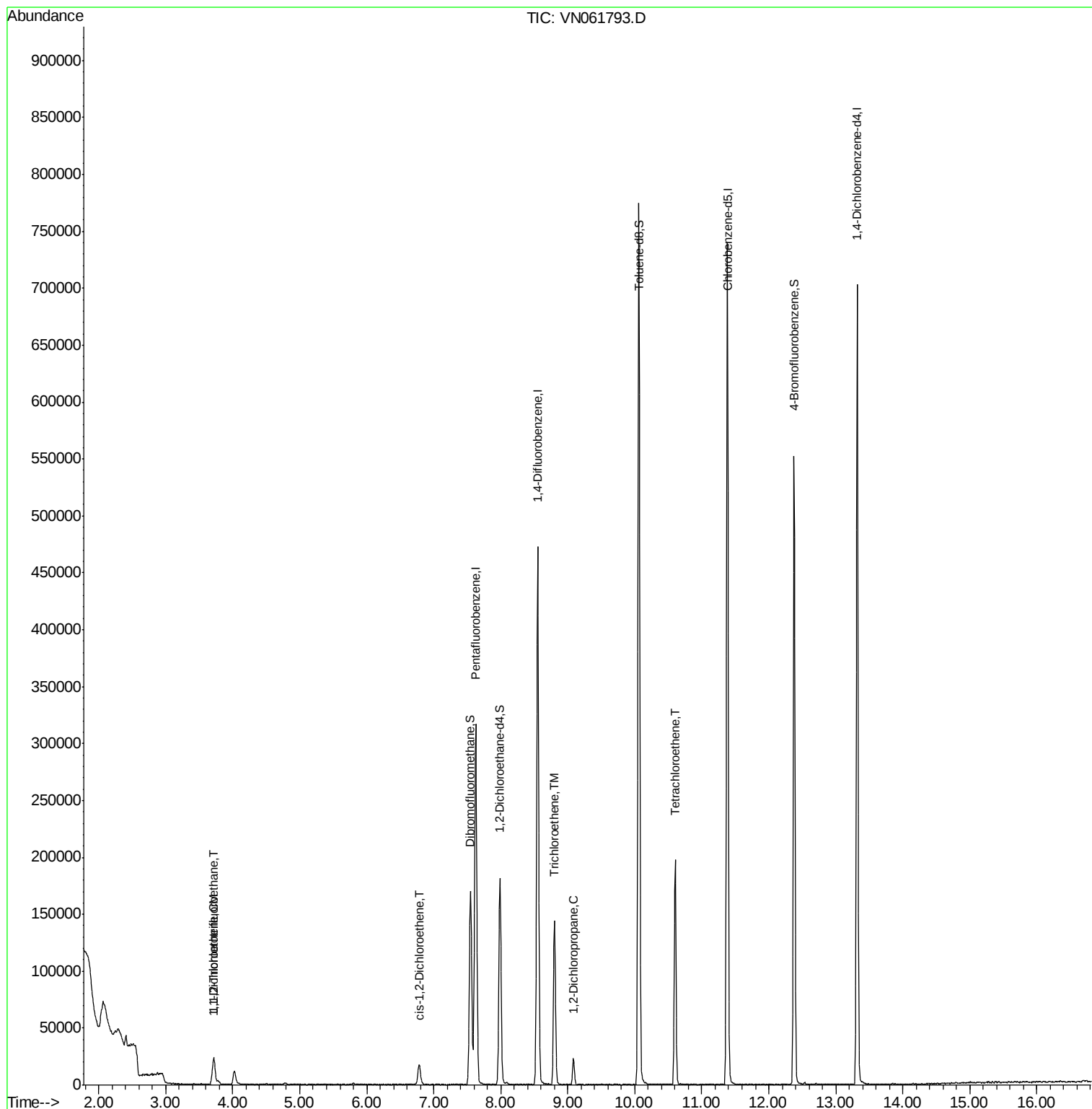
Target Compounds			Qvalue			
9) 1,1,2-Trichlorotrifluoroet	3.72	101	14097	5.389	ug/l	92
12) 1,1-Dichloroethene	3.70	96	1700	0.608	ug/l	82
27) cis-1,2-Dichloroethene	6.79	96	13362	3.744	ug/l	90
44) Trichloroethene	8.80	130	57483	14.907	ug/l	95
45) 1,2-Dichloropropane	9.08	63	9038	3.033	ug/l	94
64) Tetrachloroethene	10.60	164	49593	11.563	ug/l	98

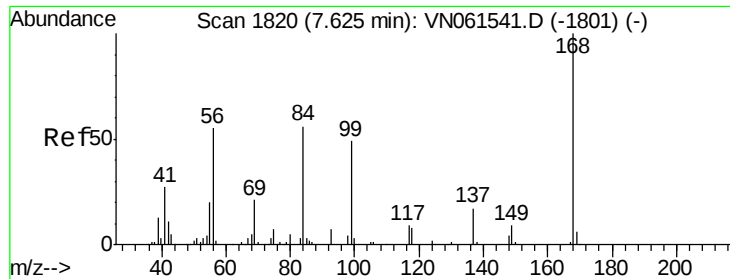
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061793.D

Acq: 12 Jun 2020 16:00

Instrument :

MSVOA_N

ClientSampleId :

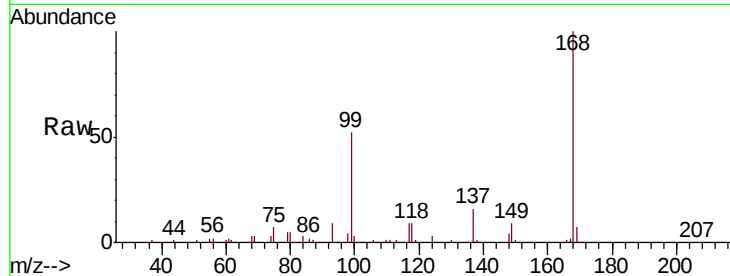
RE135D3-20200609

Tgt Ion:168 Resp: 273497

Ion Ratio Lower Upper

168 100

99 52.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

120000

100000

80000

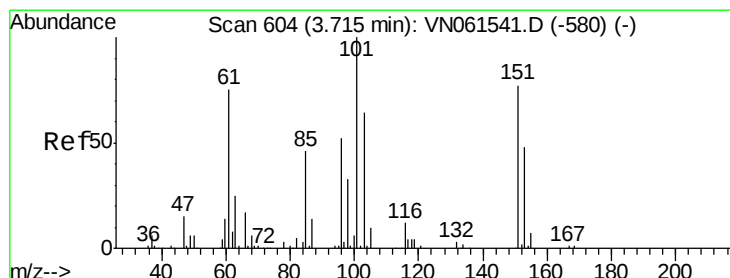
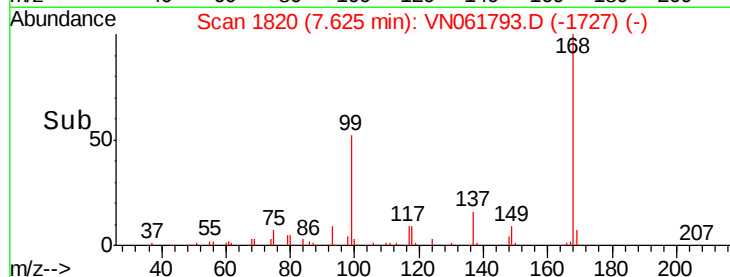
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.389 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061793.D

Acq: 12 Jun 2020 16:00

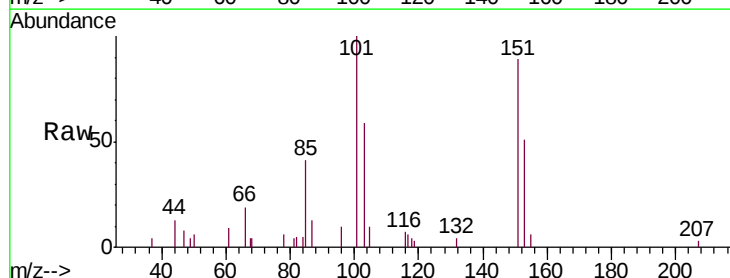
Tgt Ion:101 Resp: 14097

Ion Ratio Lower Upper

101 100

85 43.2 35.2 52.8

151 86.4 61.0 91.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V

3.72

6000

5000

4000

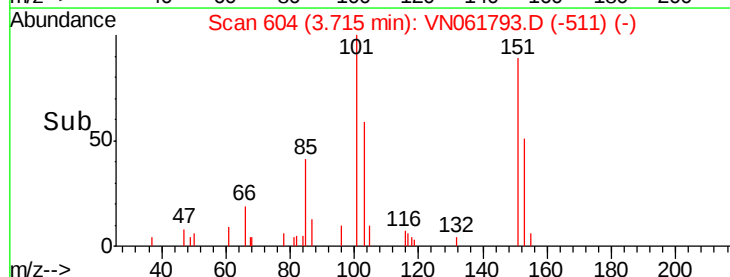
3000

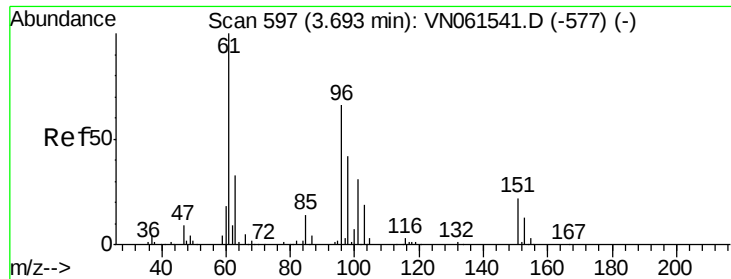
2000

1000

0

Time--> 3.65 3.70 3.75 3.80

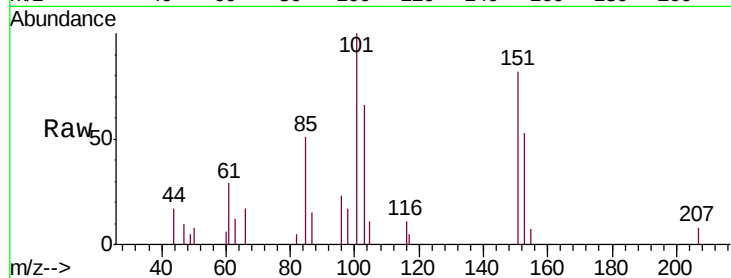




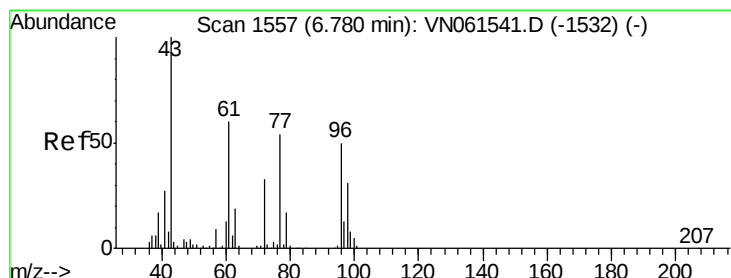
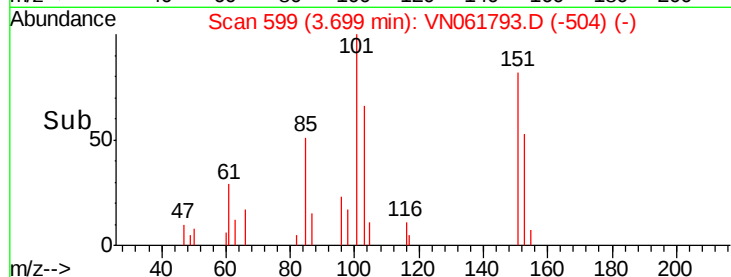
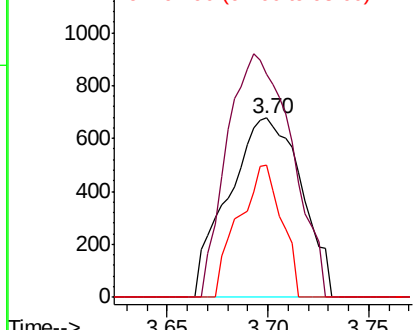
#12
 1,1-Dichloroethene
 Concen: 0.608 ug/l
 RT: 3.70 min Scan# 599
 Delta R.T. 0.01 min
 Lab File: VN061793.D
 Acq: 12 Jun 2020 16:00

Instrument :
 MSVOA_N
 ClientSampleId :
 RE135D3-20200609

Tgt Ion: 96 Resp: 1700
 Ion Ratio Lower Upper
 96 100
 61 124.6 120.5 180.7
 98 73.9 50.8 76.2

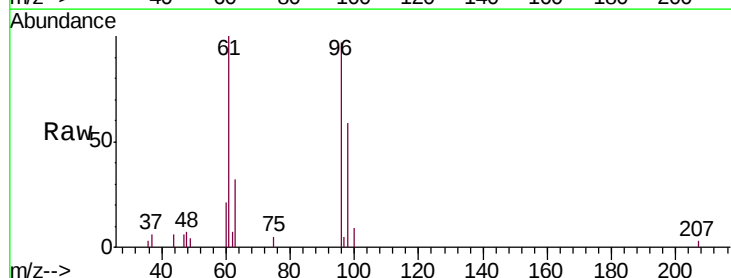


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

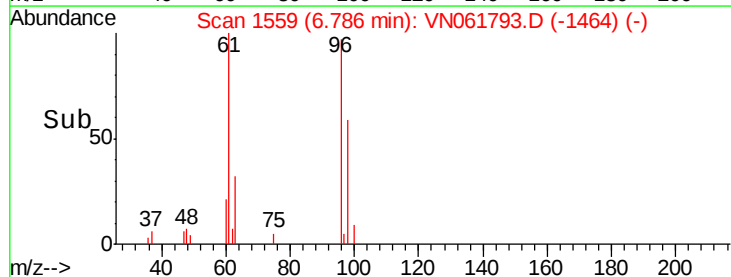
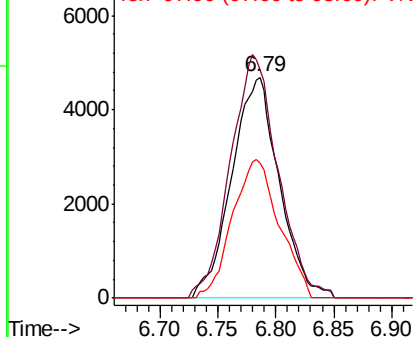


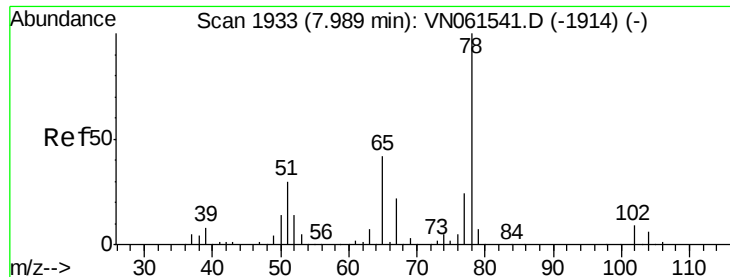
#27
 cis-1,2-Dichloroethene
 Concen: 3.744 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. 0.01 min
 Lab File: VN061793.D
 Acq: 12 Jun 2020 16:00

Tgt Ion: 96 Resp: 13362
 Ion Ratio Lower Upper
 96 100
 61 110.3 0.0 252.2
 98 61.8 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

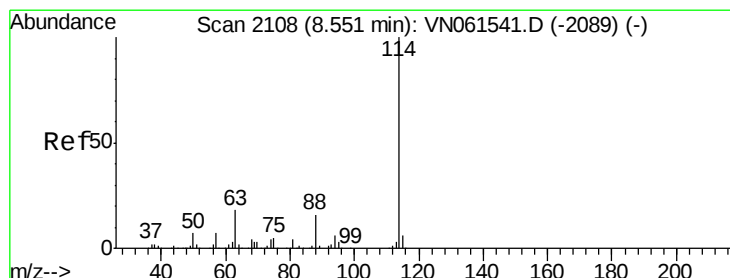
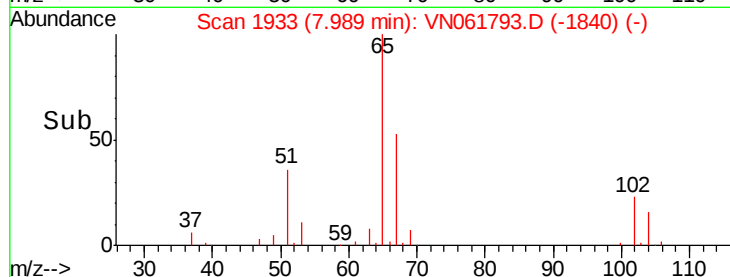
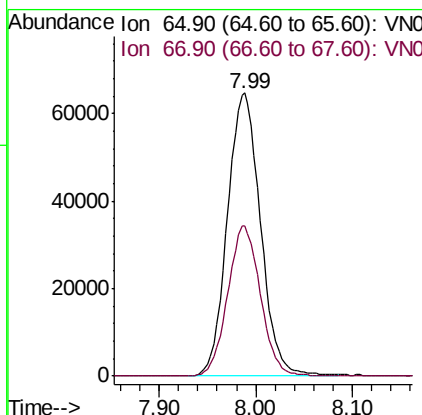
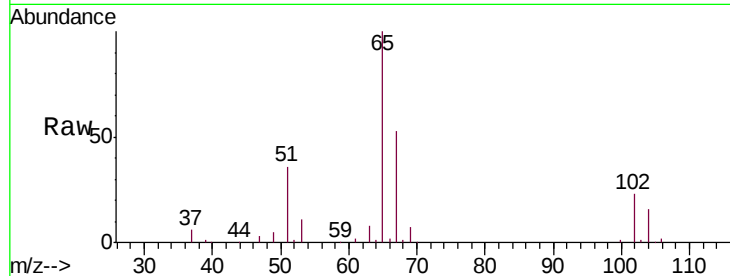




#33
 1,2-Dichloroethane-d4
 Concen: 47.208 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061793.D
 Acq: 12 Jun 2020 16:00

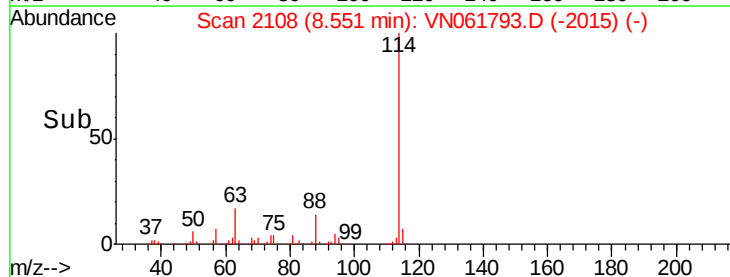
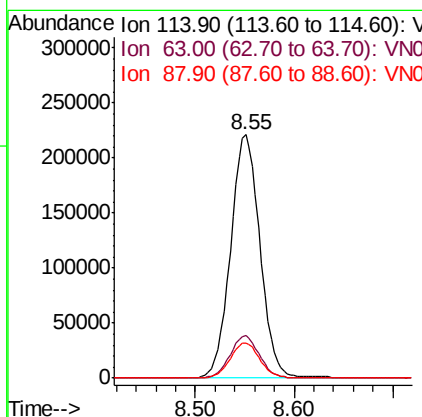
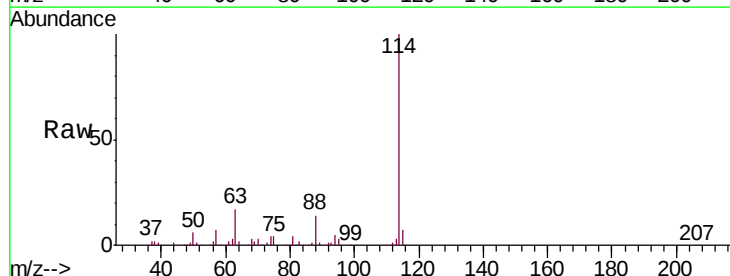
Instrument :
 MSVOA_N
 ClientSampleId :
 RE135D3-20200609

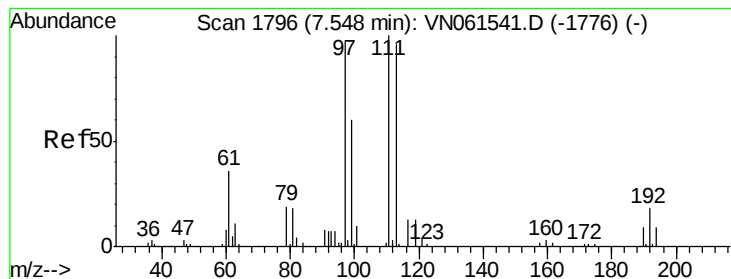
Tgt Ion: 65 Resp: 153830
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061793.D
 Acq: 12 Jun 2020 16:00

Tgt Ion: 114 Resp: 459368
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 35.8
 88 14.3 0.0 31.0





#35

Dibromofluoromethane

Concen: 56.638 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN061793.D

Acq: 12 Jun 2020 16:00

Instrument :

MSVOA_N

ClientSampleId :

RE135D3-20200609

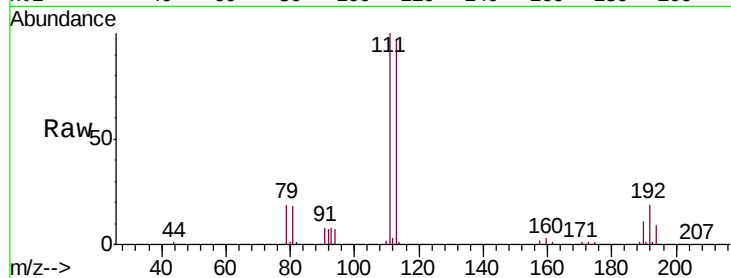
Tgt Ion:113 Resp: 131984

Ion Ratio Lower Upper

113 100

111 100.8 83.4 125.0

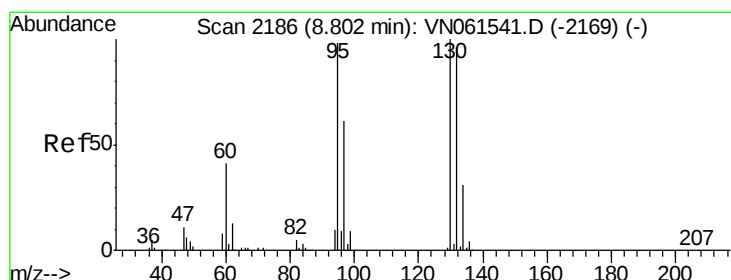
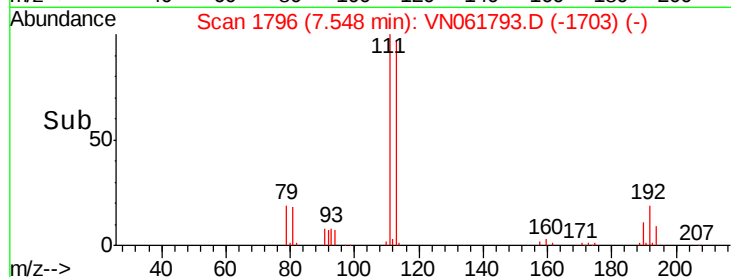
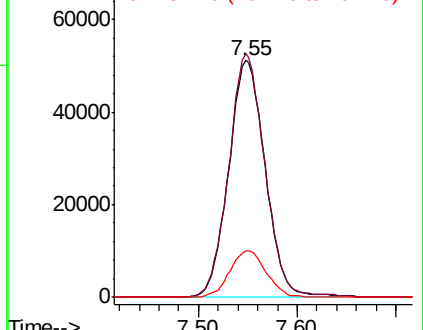
192 19.6 15.4 23.2



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



#44

Trichloroethene

Concen: 14.907 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN061793.D

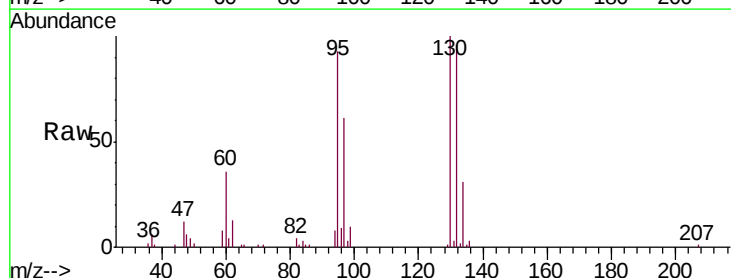
Acq: 12 Jun 2020 16:00

Tgt Ion:130 Resp: 57483

Ion Ratio Lower Upper

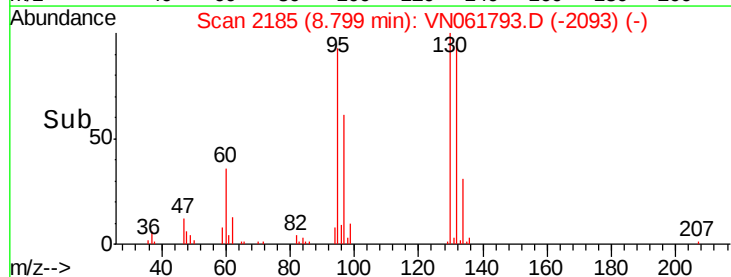
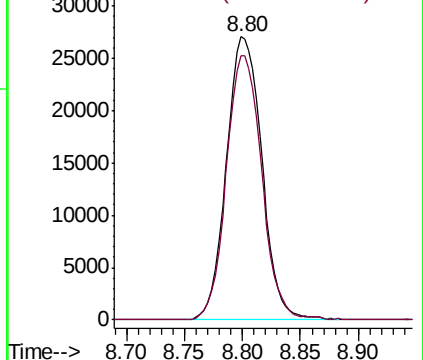
130 100

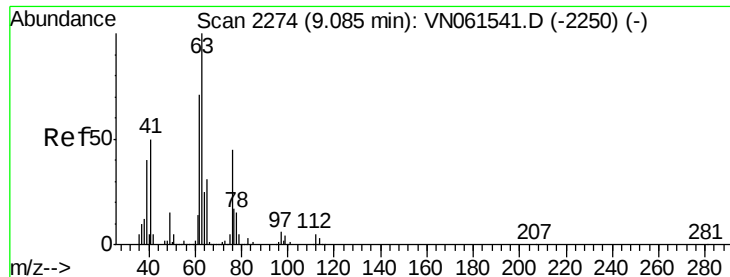
95 93.3 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#45

1,2-Dichloropropane

Concen: 3.033 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN061793.D

Acq: 12 Jun 2020 16:00

Instrument :

MSVOA_N

ClientSampleId :

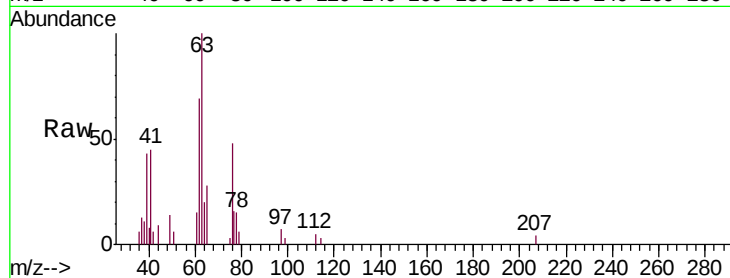
RE135D3-20200609

Tgt Ion: 63 Resp: 9038

Ion Ratio Lower Upper

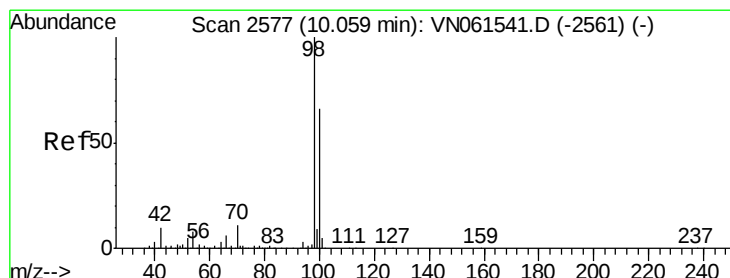
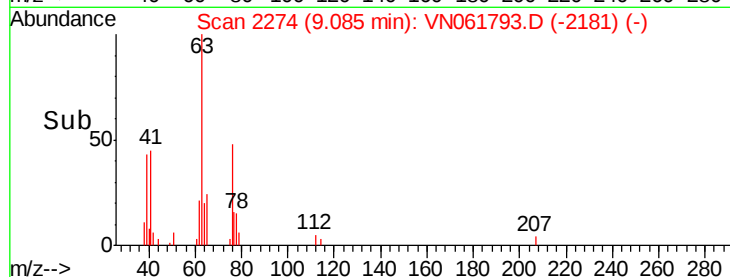
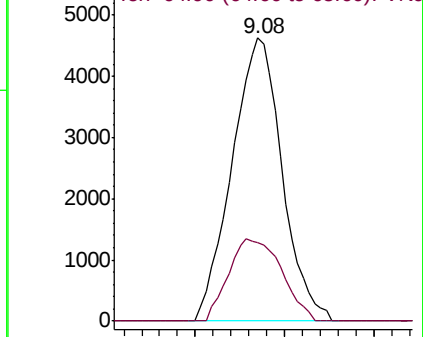
63 100

65 27.8 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN061793.D (-2181) (-)

Ion 64.90 (64.60 to 65.60): VN061793.D (-2181) (-)



#50

Toluene-d8

Concen: 51.327 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061793.D

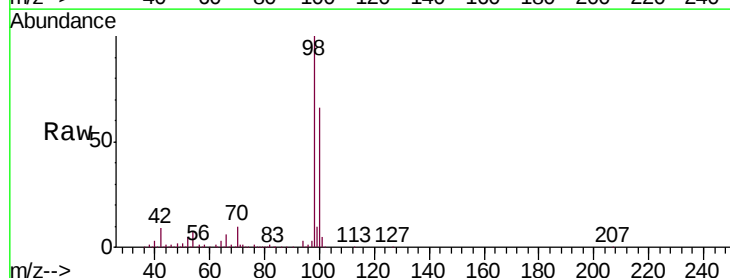
Acq: 12 Jun 2020 16:00

Tgt Ion: 98 Resp: 554273

Ion Ratio Lower Upper

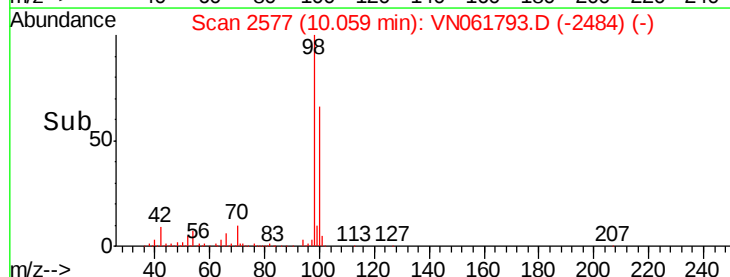
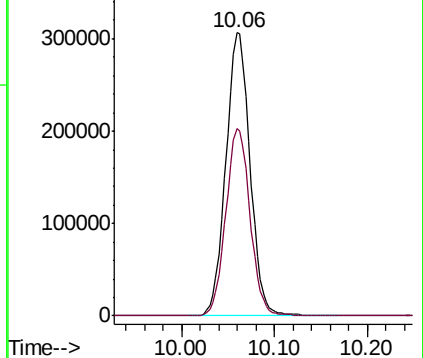
98 100

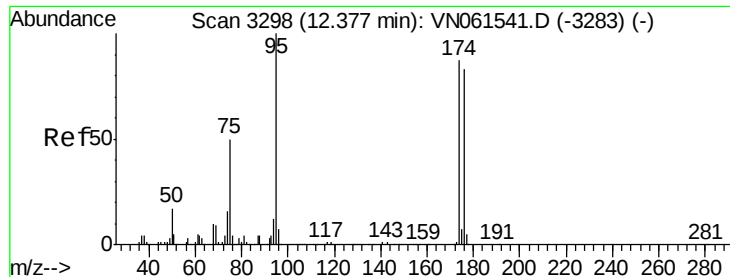
100 66.6 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN061793.D (-2484) (-)

Ion 100.00 (99.70 to 100.70): VN061793.D (-2484) (-)

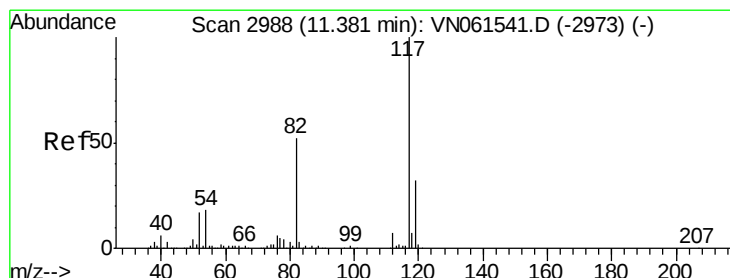
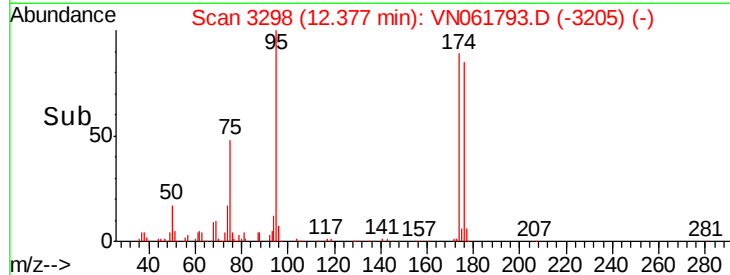
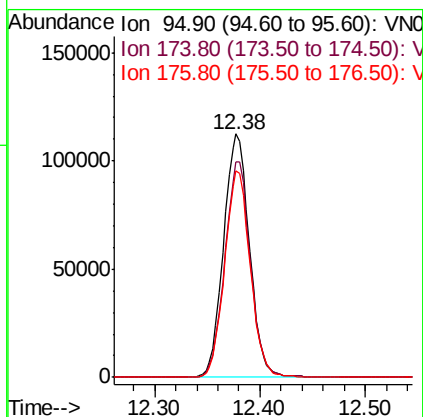
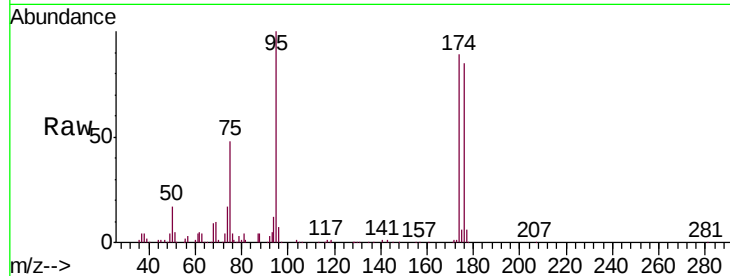




#62
4-Bromofluorobenzene
Concen: 48.400 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061793.D
Acq: 12 Jun 2020 16:00

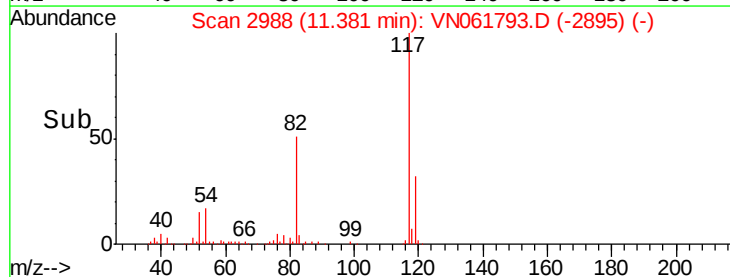
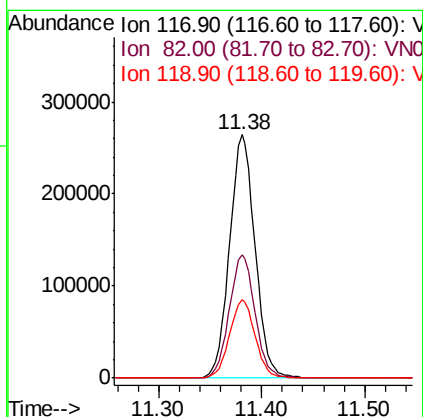
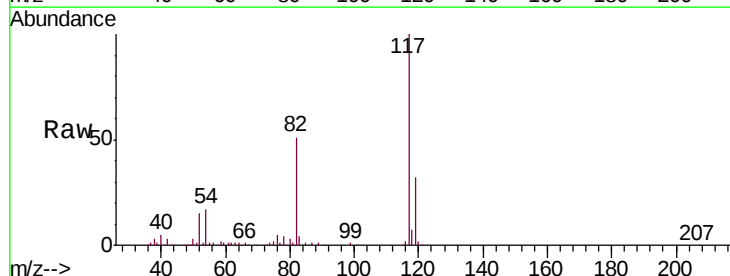
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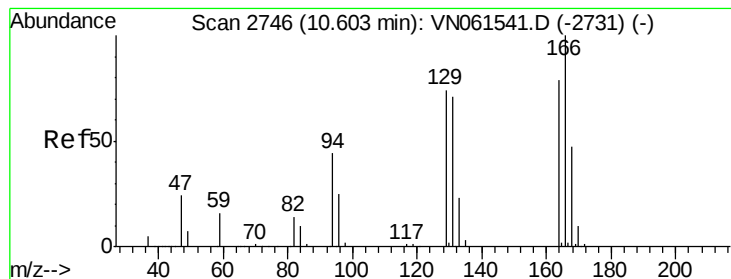
Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.4	0.0	172.8
176	83.8	0.0	164.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061793.D
Acq: 12 Jun 2020 16:00

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.7	41.5	62.3
119	32.0	25.6	38.4





#64

Tetrachloroethene

Concen: 11.563 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. 0.00 min

Lab File: VN061793.D

Acq: 12 Jun 2020 16:00

Instrument :

MSVOA_N

ClientSampleId :

RE135D3-20200609

Tgt Ion:164 Resp: 49593

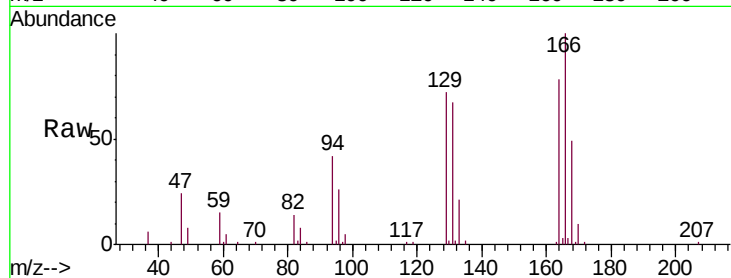
Ion Ratio Lower Upper

164 100

166 128.8 101.5 152.3

129 92.8 74.9 112.3

131 86.8 72.2 108.2

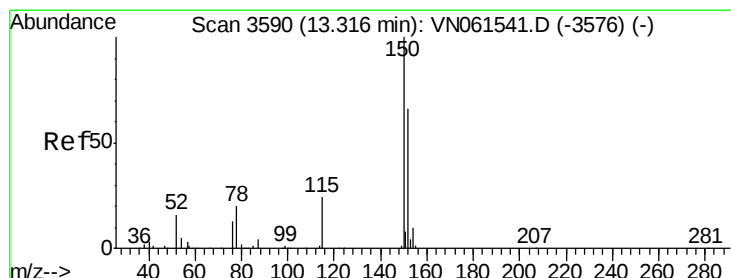
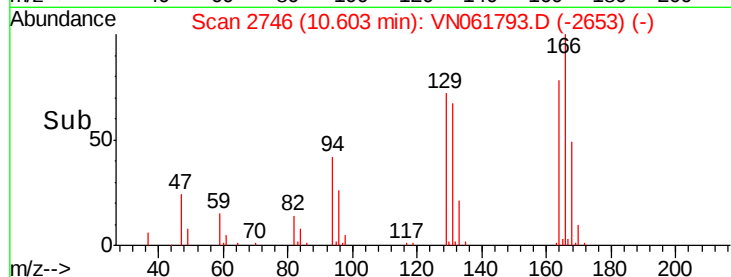
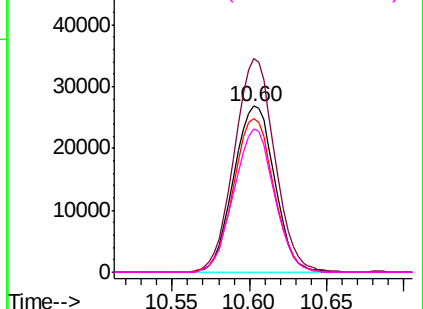


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061793.D

Acq: 12 Jun 2020 16:00

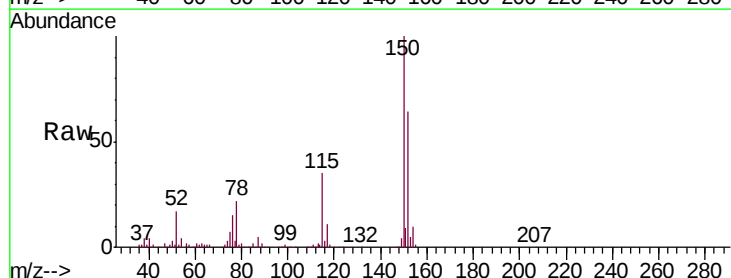
Tgt Ion:152 Resp: 201974

Ion Ratio Lower Upper

152 100

115 55.9 28.0 84.0

150 158.1 0.0 344.0



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

