

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082120\
 Data File : VW016287.D
 Acq On : 21 Aug 2020 02:52
 Operator : SY/VA
 Sample : L3502-11
 Misc : 8.15G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-02-081920

Quant Time: Aug 21 04:37:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081420S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 08:01:41 2020
 Response via : Initial Calibration

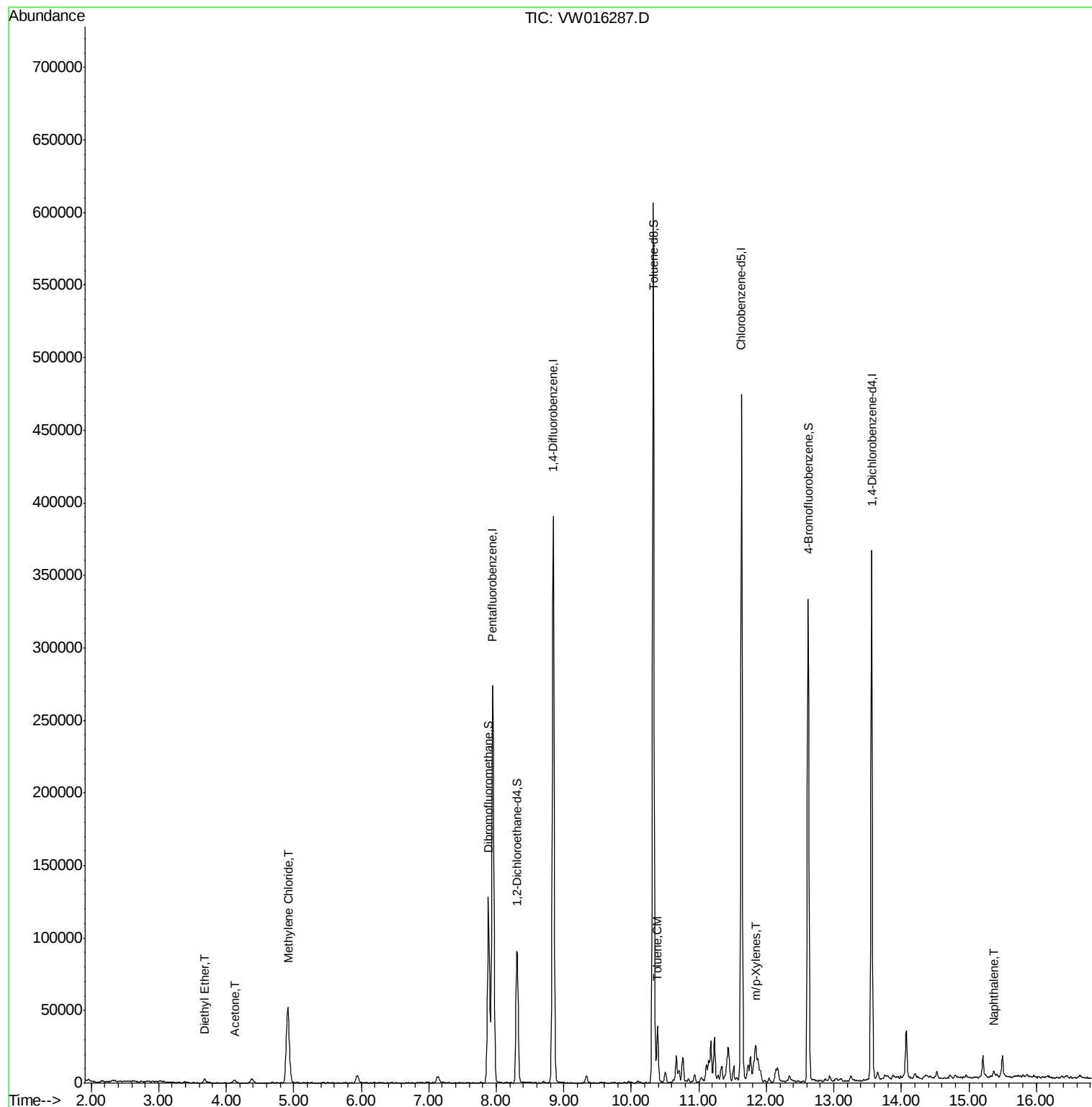
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	212387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	350726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	278249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	97730	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	72792	35.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.28%	
35) Dibromofluoromethane	7.88	113	92609	42.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.60%	
50) Toluene-d8	10.32	98	406629	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	12.62	95	113884	38.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.06%	
Target Compounds						
8) Diethyl Ether	3.68	74	1634	1.494	ug/l	96
16) Acetone	4.12	43	3680	9.275	ug/l #	78
20) Methylene Chloride	4.92	84	43844	14.256	ug/l	96
52) Toluene	10.39	92	17735	2.849	ug/l	98
68) m/p-Xylenes	11.83	106	5224	1.326	ug/l	99
95) Naphthalene	15.37	128	4737	4.800	ug/l #	94

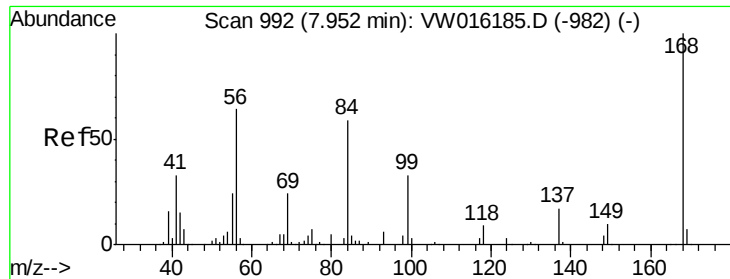
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW016287.D

Acq: 21 Aug 2020 02:52

Instrument :

MSVOA_W

ClientSampleId :

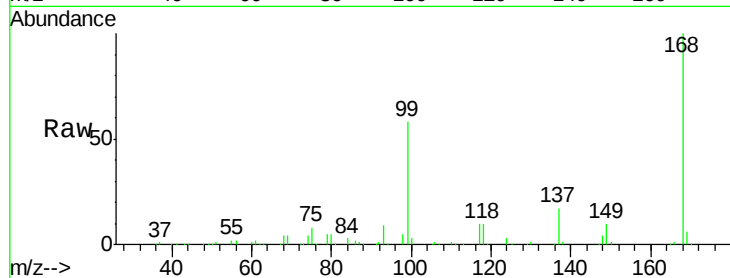
OK-02-081920

Tot Ion:168 Resp: 212387

Ion Ratio Lower Upper

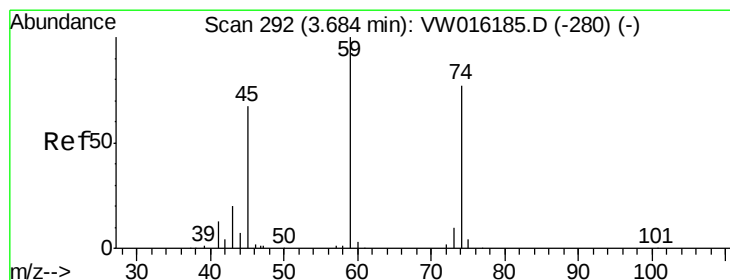
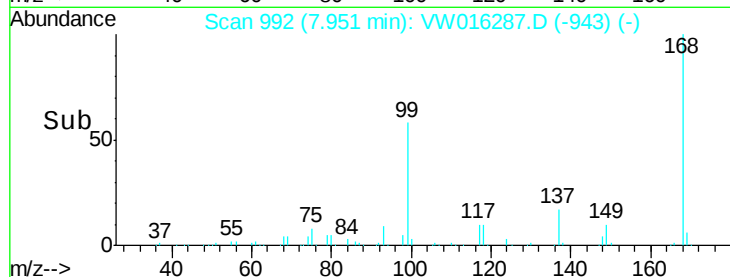
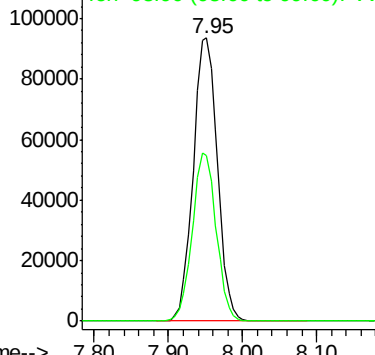
168 100

99 58.5 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.494 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.00 min

Lab File: VW016287.D

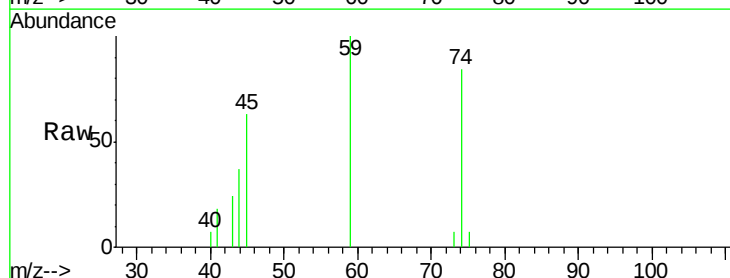
Acq: 21 Aug 2020 02:52

Tgt Ion: 74 Resp: 1634

Ion Ratio Lower Upper

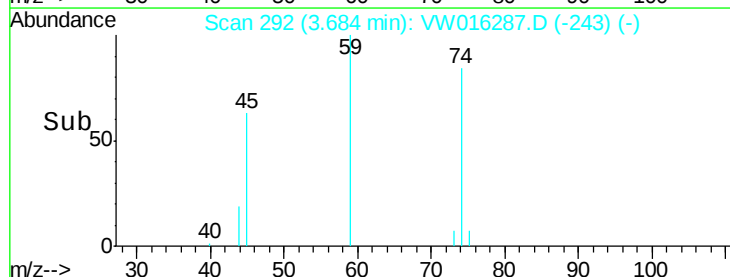
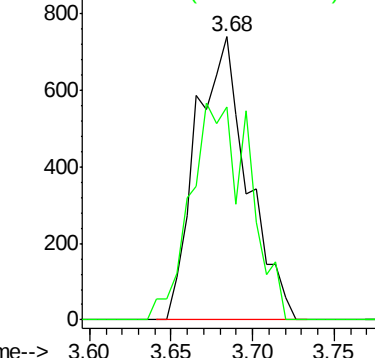
74 100

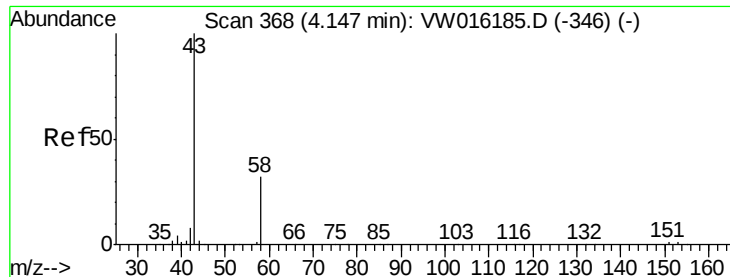
45 87.7 45.9 137.7



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 9.275 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW016287.D

Acq: 21 Aug 2020 02:52

Instrument :

MSVOA_W

ClientSampleId :

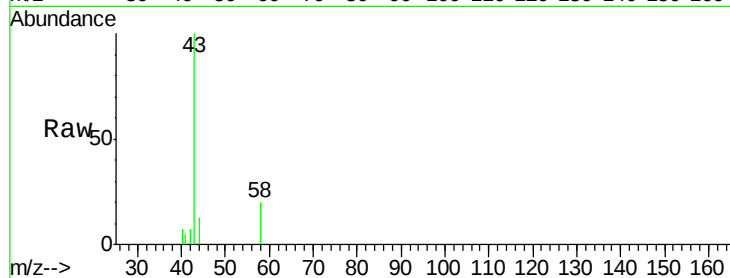
OK-02-081920

Tot Ion: 43 Resp: 3680

Ion Ratio Lower Upper

43 100

58 19.6 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

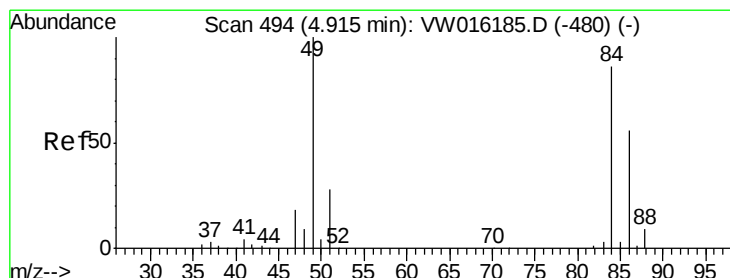
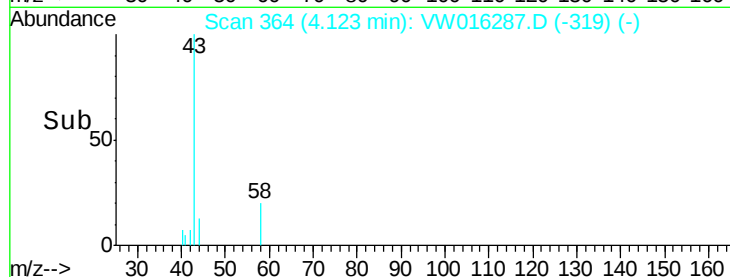
1500

1000

500

0

Time-->



#20

Methylene Chloride

Concen: 14.256 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW016287.D

Acq: 21 Aug 2020 02:52

Tgt Ion: 84 Resp: 43844

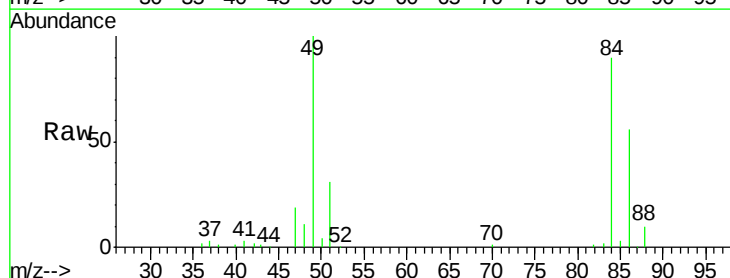
Ion Ratio Lower Upper

84 100

49 111.7 93.4 140.2

51 34.6 26.6 40.0

86 62.8 52.2 78.2



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

20000

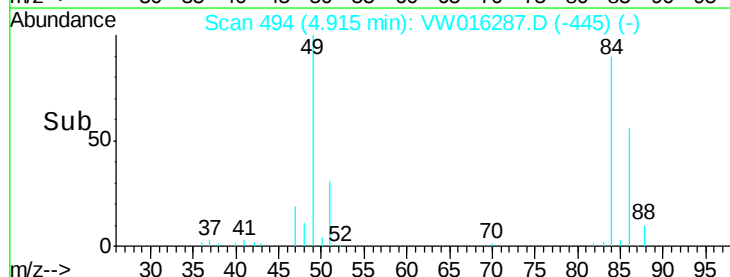
15000

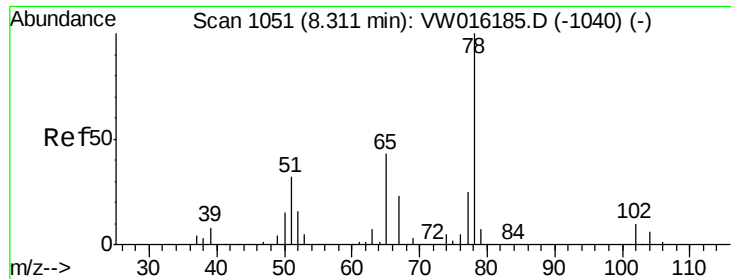
10000

5000

0

Time-->

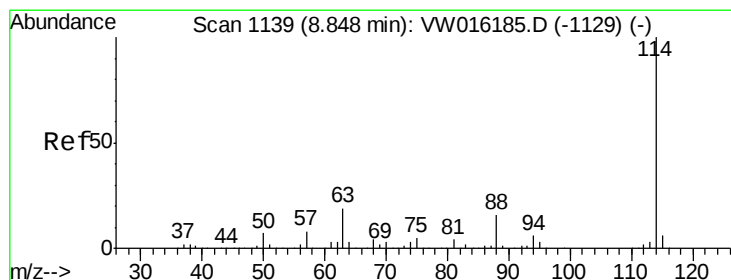
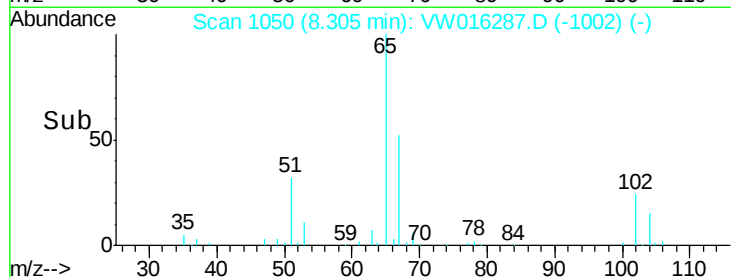
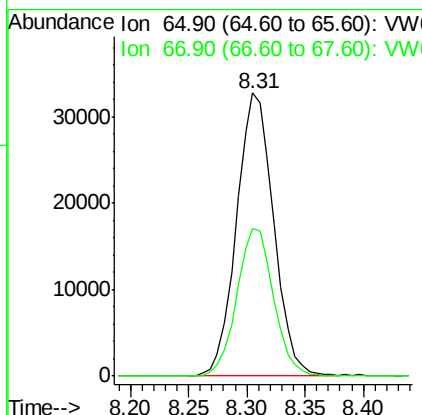
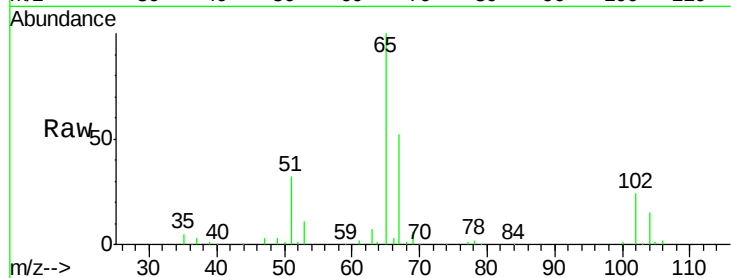




#33
 1,2-Dichloroethane-d4
 Concen: 35.145 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW016287.D
 Acq: 21 Aug 2020 02:52

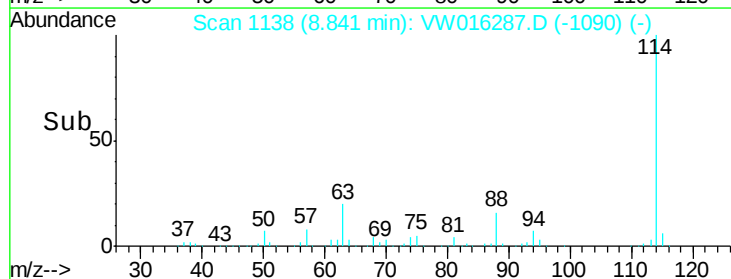
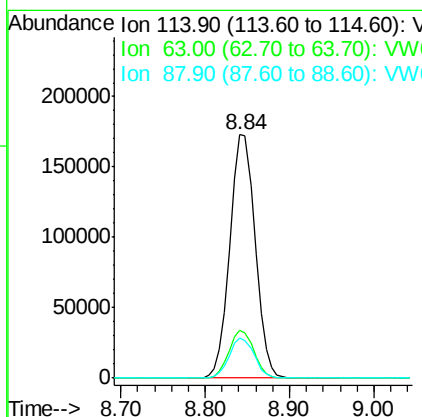
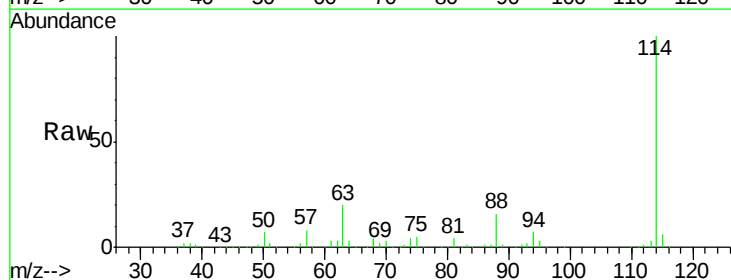
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-02-081920

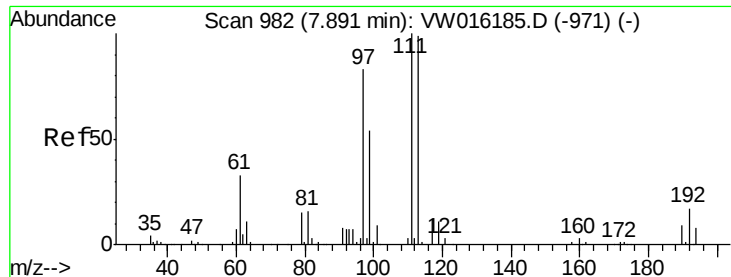
Tot Ion: 65 Resp: 72792
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW016287.D
 Acq: 21 Aug 2020 02:52

Tgt Ion: 114 Resp: 350726
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.4
 88 16.3 0.0 32.8

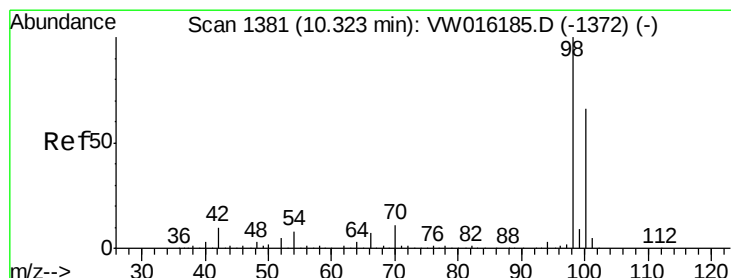
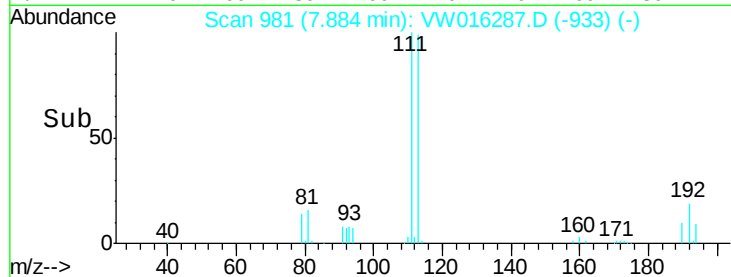
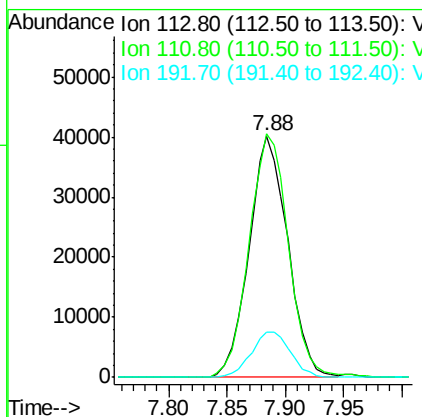
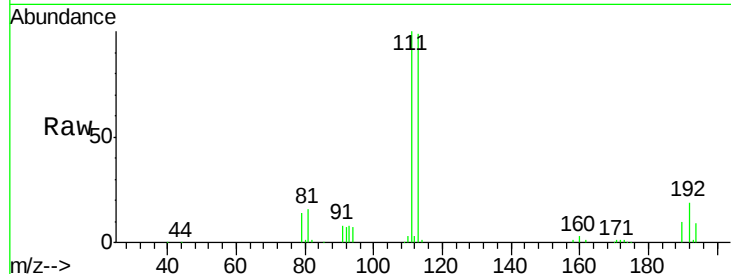




#35
 Dibromofluoromethane
 Concen: 42.795 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW016287.D
 Acq: 21 Aug 2020 02:52

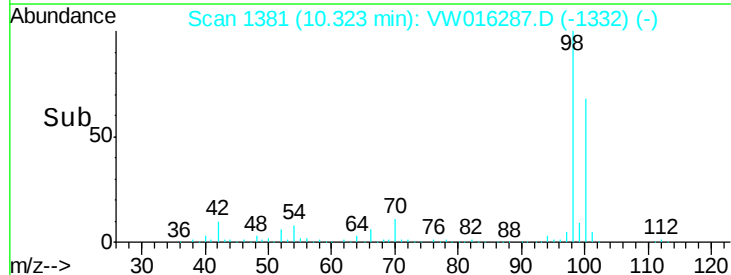
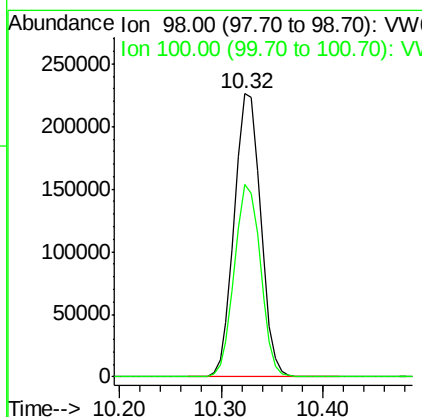
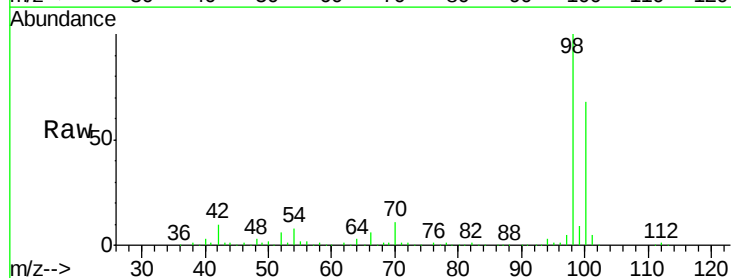
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-02-081920

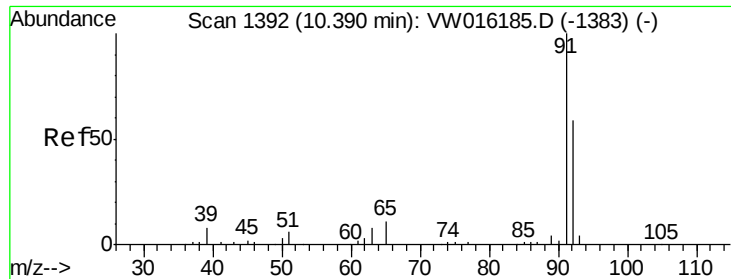
Tot Ion:113 Resp: 92609
 Ion Ratio Lower Upper
 113 100
 111 103.3 83.5 125.3
 192 19.1 14.3 21.5



#50
 Toluene-d8
 Concen: 48.544 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW016287.D
 Acq: 21 Aug 2020 02:52

Tgt Ion: 98 Resp: 406629
 Ion Ratio Lower Upper
 98 100
 100 67.3 53.5 80.3





#52

Toluene

Concen: 2.849 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016287.D

Acq: 21 Aug 2020 02:52

Instrument :

MSVOA_W

ClientSampleId :

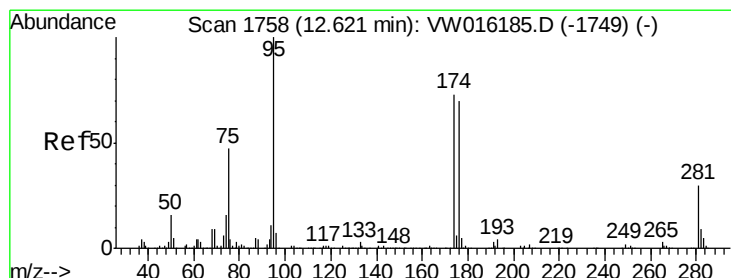
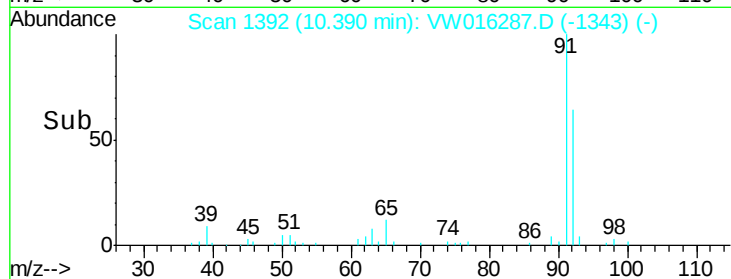
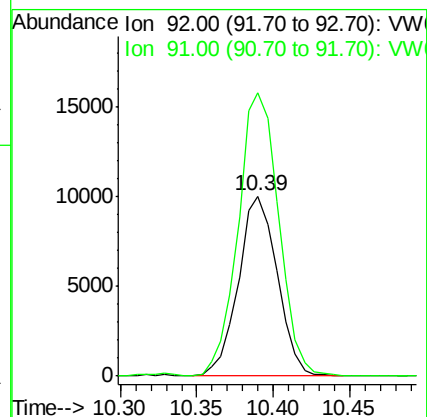
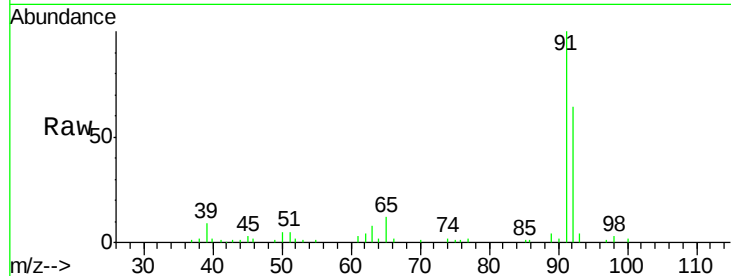
OK-02-081920

Tot Ion: 92 Resp: 17735

Ion Ratio Lower Upper

92 100

91 164.2 133.3 199.9



#62

4-Bromofluorobenzene

Concen: 38.035 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW016287.D

Acq: 21 Aug 2020 02:52

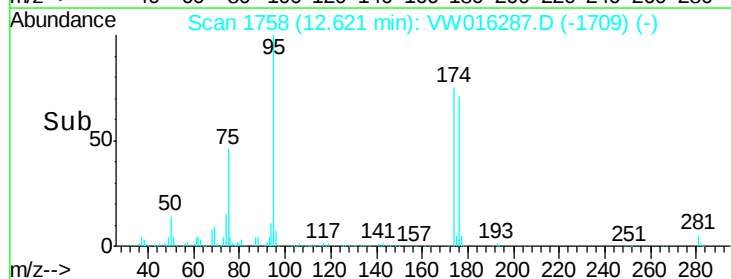
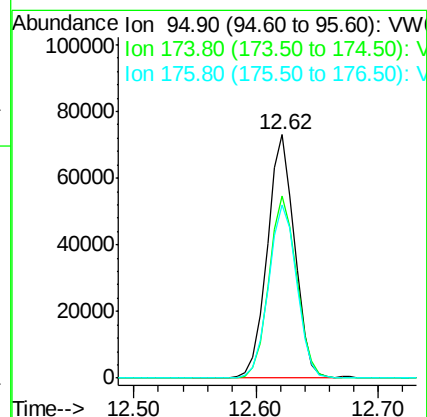
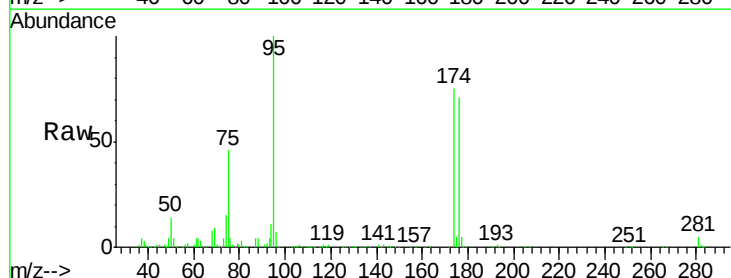
Tgt Ion: 95 Resp: 113884

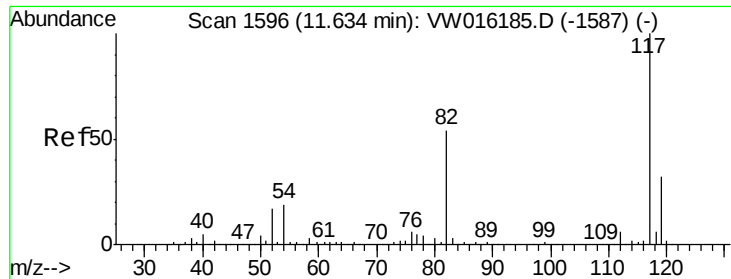
Ion Ratio Lower Upper

95 100

174 75.7 0.0 145.6

176 72.9 0.0 137.8

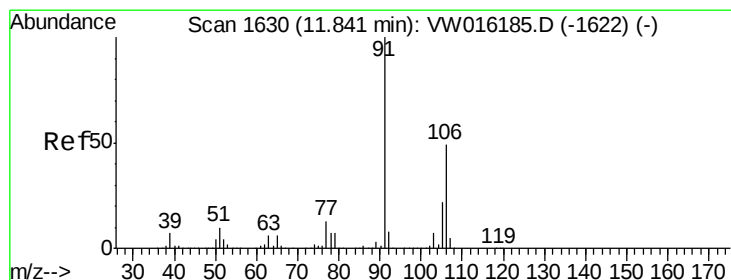
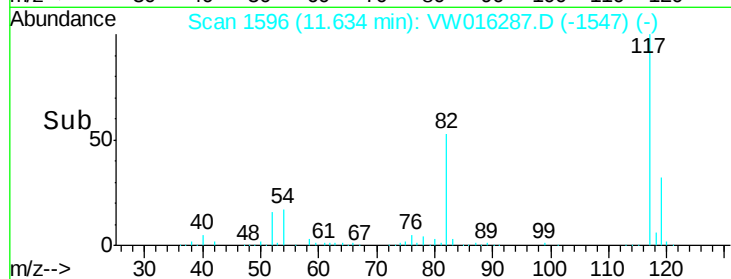
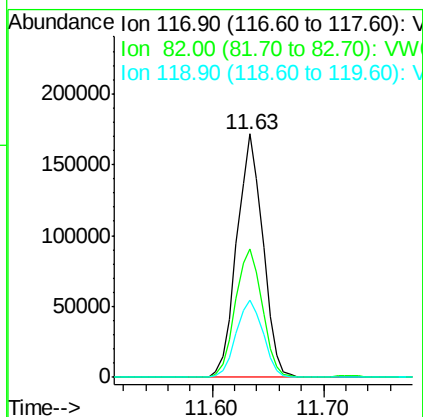
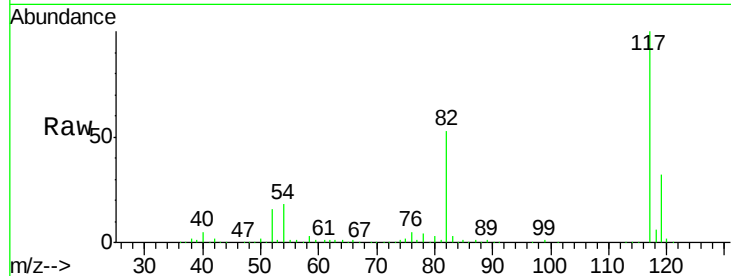




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW016287.D
Acq: 21 Aug 2020 02:52

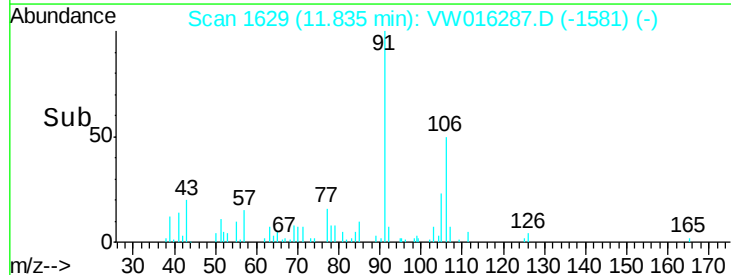
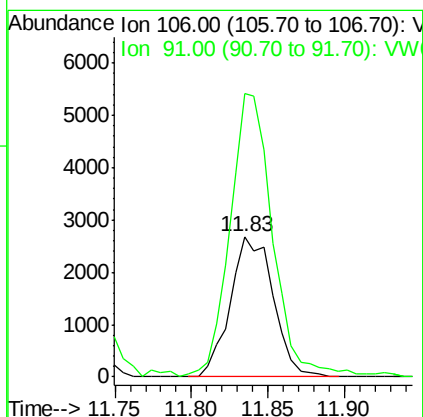
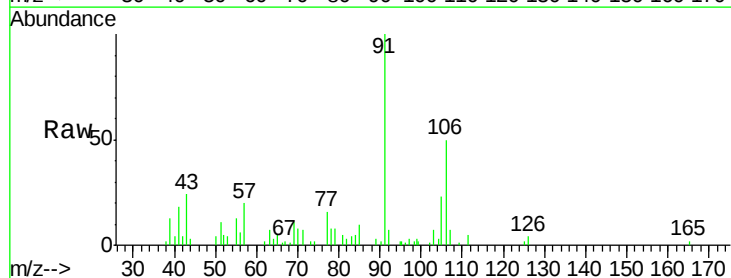
Instrument :
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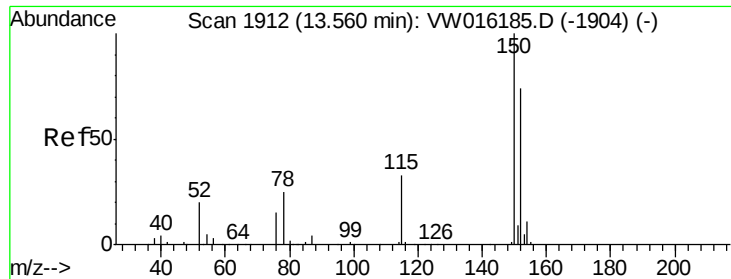
Tot Ion:117 Resp: 278249
Ion Ratio Lower Upper
117 100
82 52.7 43.6 65.4
119 31.6 25.4 38.0



#68
m/p-Xylenes
Concen: 1.326 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW016287.D
Acq: 21 Aug 2020 02:52

Tgt Ion:106 Resp: 5224
Ion Ratio Lower Upper
106 100
91 200.3 161.4 242.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW016287.D

Acq: 21 Aug 2020 02:52

Instrument :

MSVOA_W

ClientSampleId :

OK-02-081920

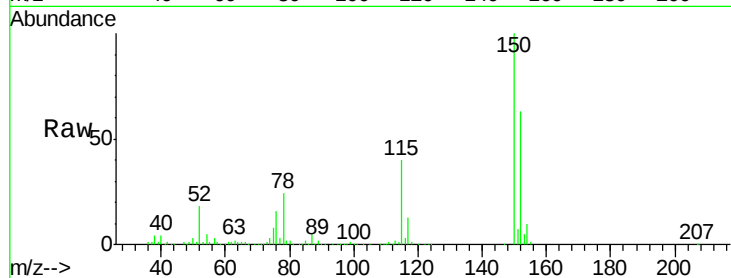
Tot Ion:152 Resp: 97730

Ion Ratio Lower Upper

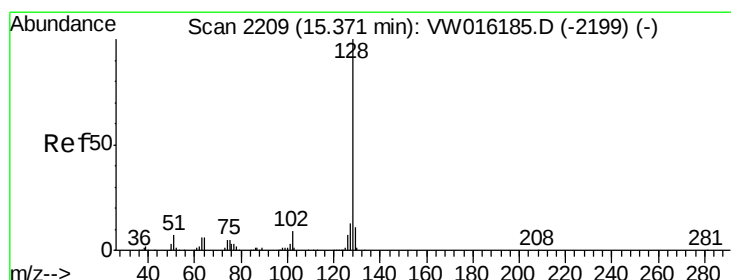
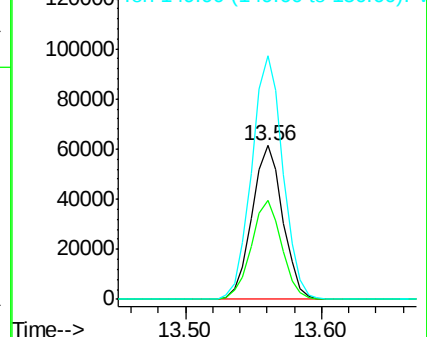
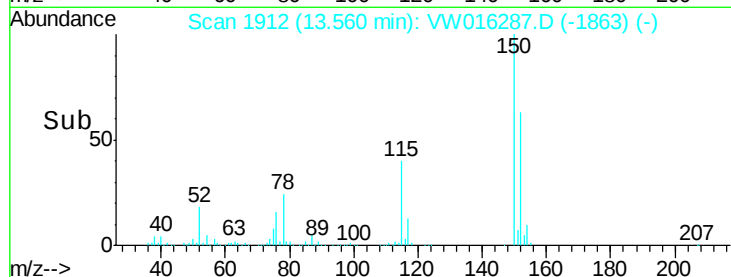
152 100

115 63.9 30.9 92.5

150 160.2 0.0 337.8



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



#95

Naphthalene

Concen: 4.800 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016287.D

Acq: 21 Aug 2020 02:52

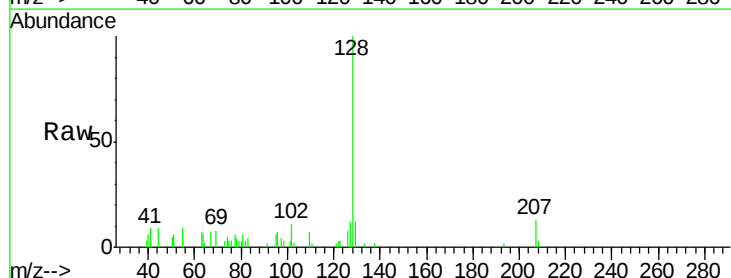
Tgt Ion:128 Resp: 4737

Ion Ratio Lower Upper

128 100

127 11.4 10.2 15.4

129 14.1 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

