

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070120\
 Data File : VY003057.D
 Acq On : 01 Jul 2020 14:34
 Operator : SY/MD
 Sample : L2814-14
 Misc : 7.26G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-02-063020

Quant Time: Jul 02 03:10:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

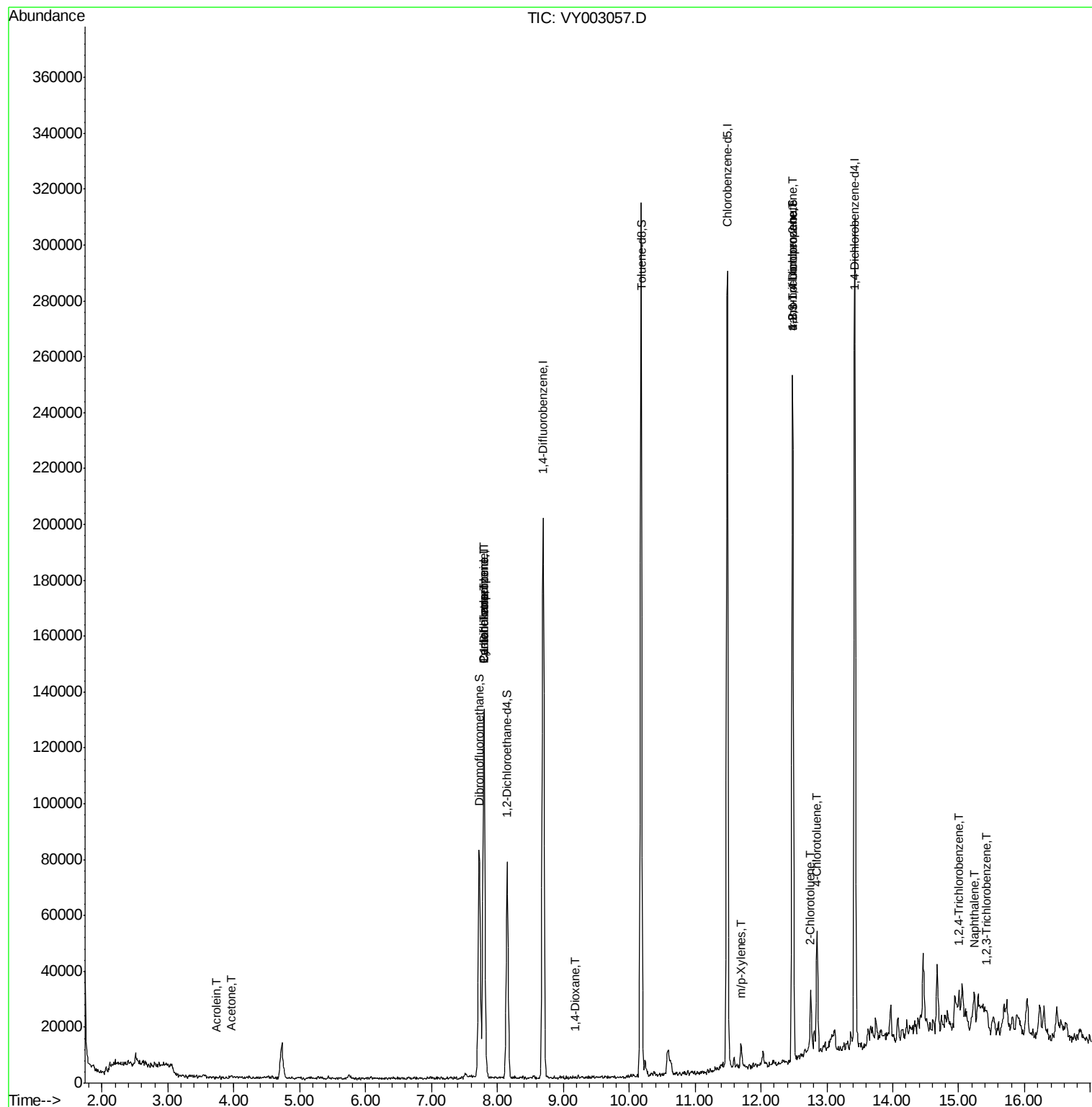
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	108643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	173748	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	161552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	76620	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	59046	54.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.44%	
35) Dibromofluoromethane	7.72	113	57931	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
50) Toluene-d8	10.18	98	205875	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.48	95	69552	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
Target Compounds						
					Qvalue	
13) Acrolein	3.75	56	146	1.478	ug/l	83
16) Acetone	3.95	43	1584	6.224	ug/l #	85
31) Cyclohexane	7.79	56	2083	1.098	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	7829	4.678	ug/l #	53
38) Carbon Tetrachloride	7.80	117	9677	5.557	ug/l #	16
49) 1,4-Dioxane	9.18	88	19	2.261	ug/l #	1
68) m/p-Xylenes	11.70	106	3094	1.427	ug/l	88
76) 1,2,3-Trichloropropane	12.48	75	36107	47.615	ug/l #	100
79) 2-Chlorotoluene	12.75	91	12142	3.607	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.48	75	36107	92.640	ug/l #	13
82) 4-Chlorotoluene	12.85	91	22197	6.334	ug/l	96
93) 1,2,4-Trichlorobenzene	15.00	180	2134	1.334	ug/l #	60
95) Naphthalene	15.23	128	7983	2.731	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.43	180	1940	1.396	ug/l #	83

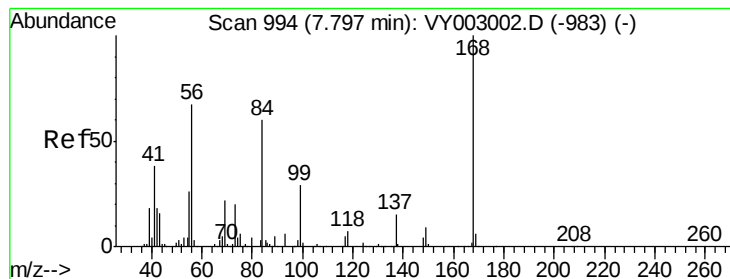
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003057.D

Acq: 01 Jul 2020 14:34

Instrument :

MSVOA_Y

ClientSampled :

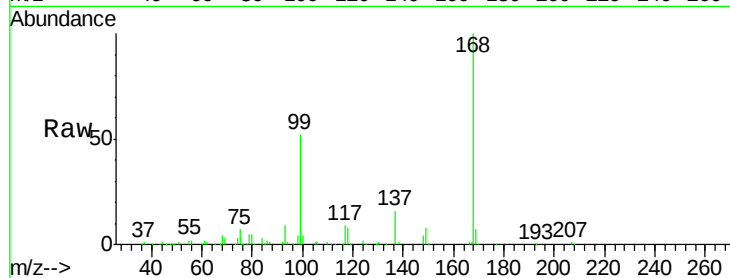
PL-02-063020

Tot Ion:168 Resp: 108643

Ion Ratio Lower Upper

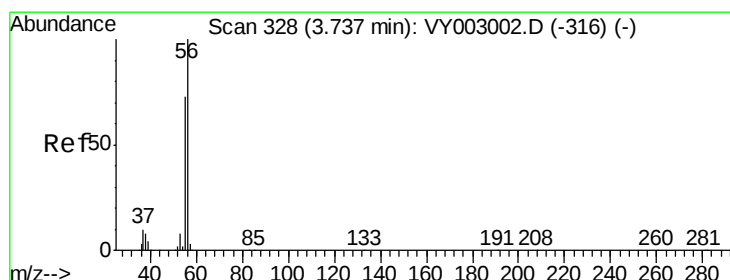
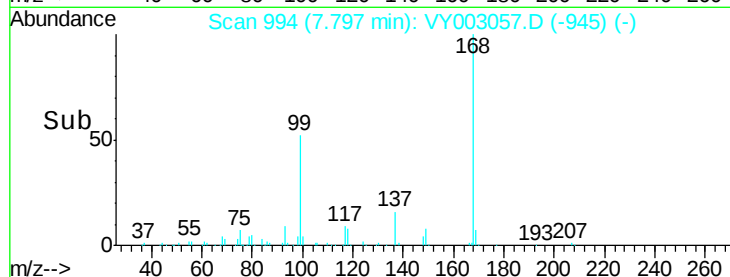
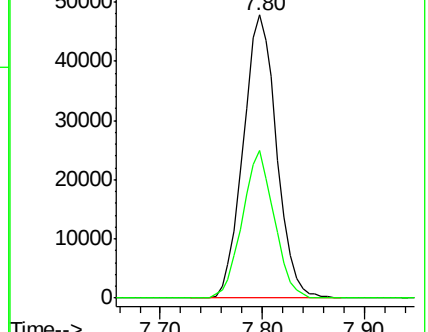
168 100

99 52.1 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003002.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003057.D (-945) (-)



#13

Acrolein

Concen: 1.478 ug/l

RT: 3.75 min Scan# 330

Delta R.T. 0.01 min

Lab File: VY003057.D

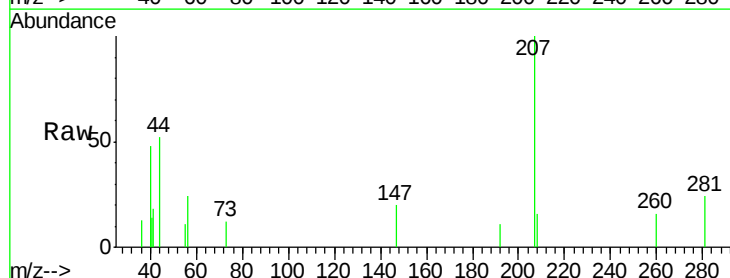
Acq: 01 Jul 2020 14:34

Tgt Ion: 56 Resp: 146

Ion Ratio Lower Upper

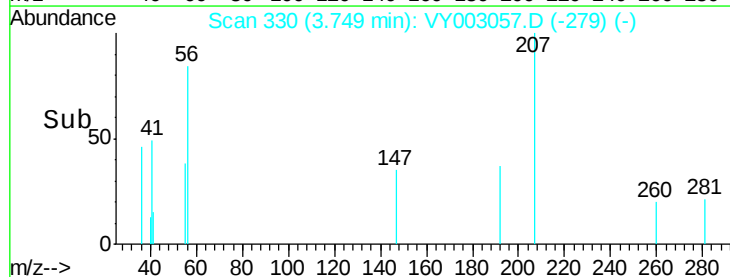
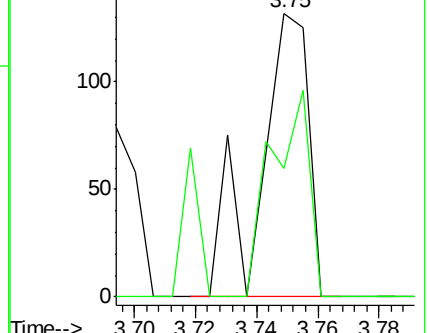
56 100

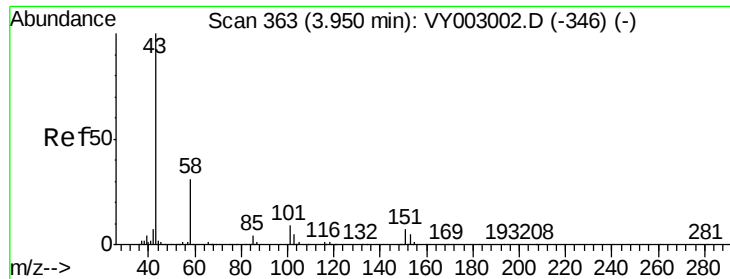
55 56.8 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VY003002.D (-316) (-)

Ion 55.00 (54.70 to 55.70): VY003057.D (-279) (-)





#16

Acetone

Concen: 6.224 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VY003057.D

Acq: 01 Jul 2020 14:34

Instrument :

MSVOA_Y

ClientSampleId :

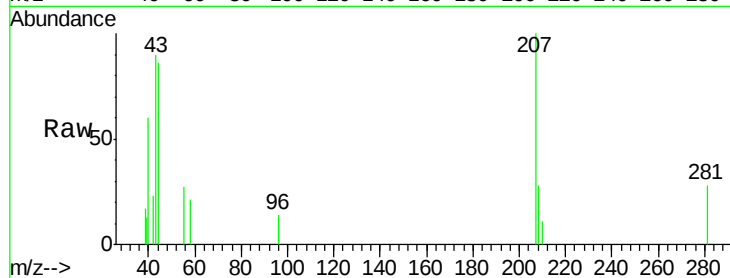
PL-02-063020

Tot Ion: 43 Resp: 1584

Ion Ratio Lower Upper

43 100

58 22.8 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.95

400

300

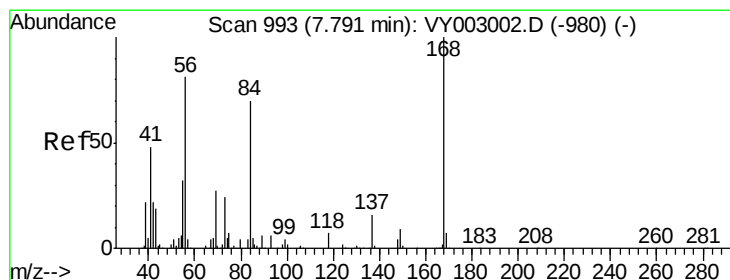
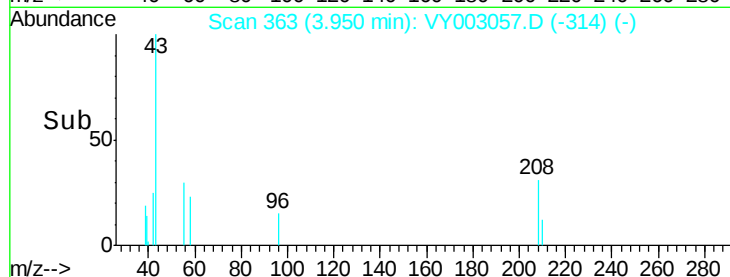
200

100

0

Time-->

3.85 3.90 3.95 4.00 4.05



#31

Cyclohexane

Concen: 1.098 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003057.D

Acq: 01 Jul 2020 14:34

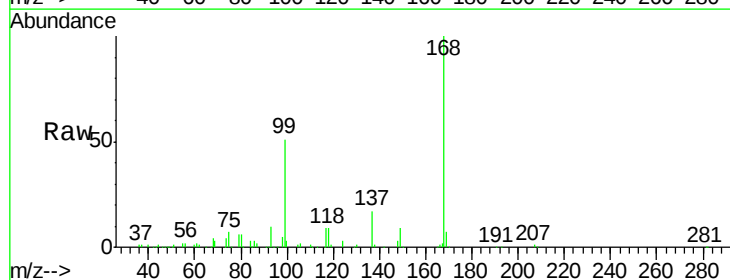
Tgt Ion: 56 Resp: 2083

Ion Ratio Lower Upper

56 100

69 150.4 27.0 40.4#

84 164.5 68.1 102.1#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

2000

1500

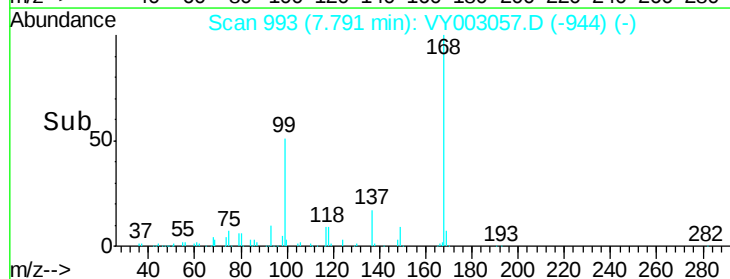
1000

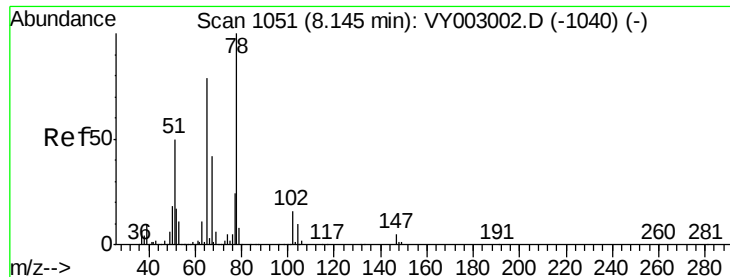
500

0

Time-->

7.70 7.75 7.80 7.85

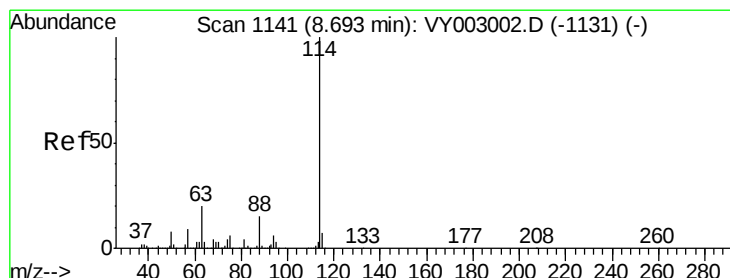
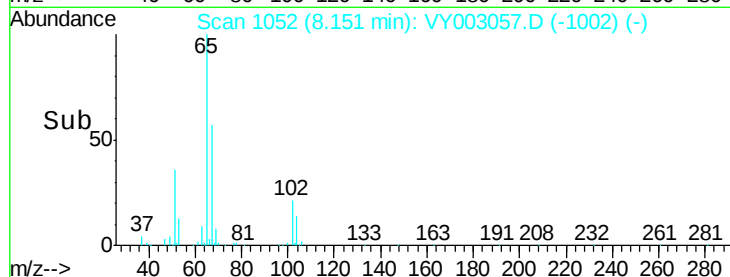
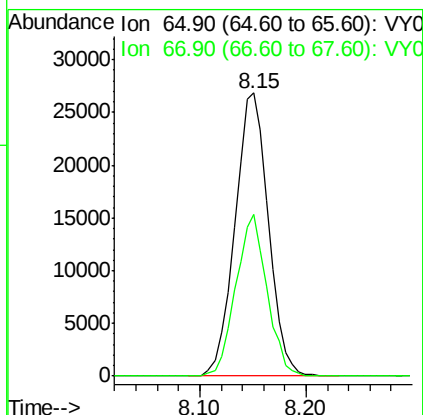
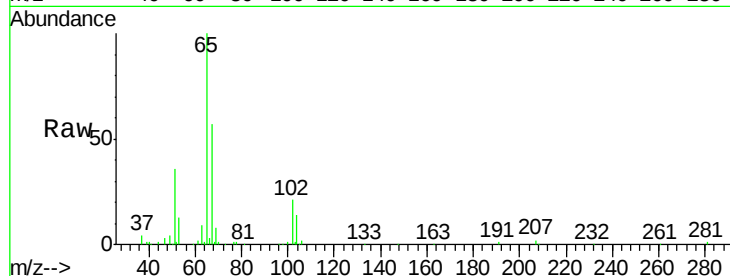




#33
 1,2-Dichloroethane-d4
 Concen: 54.721 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003057.D
 Acq: 01 Jul 2020 14:34

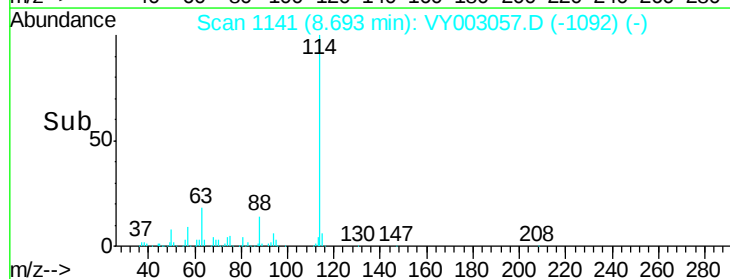
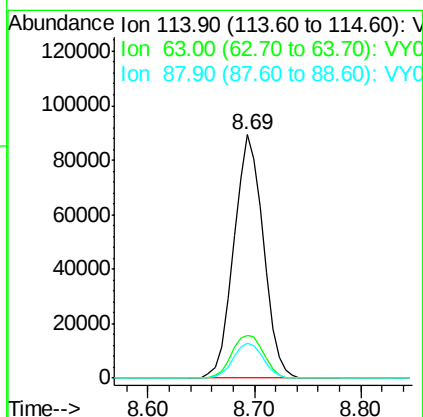
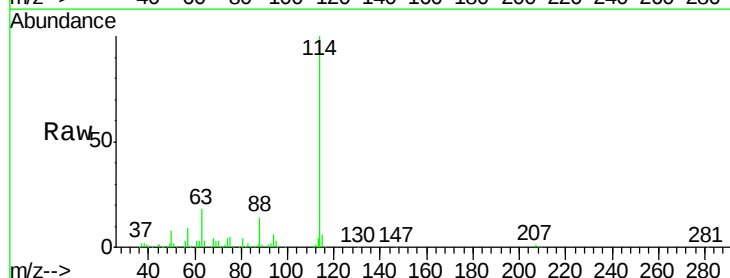
Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-02-063020

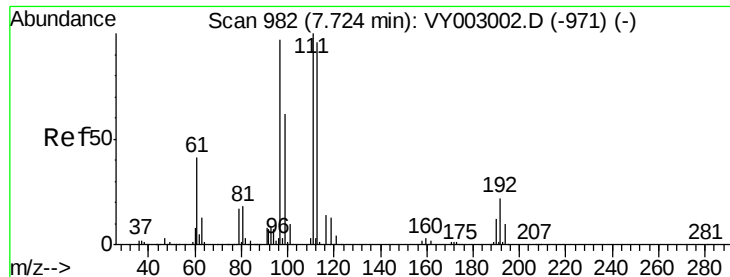
Tot Ion: 65 Resp: 59046
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003057.D
 Acq: 01 Jul 2020 14:34

Tgt Ion: 114 Resp: 173748
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 40.6
 88 14.3 0.0 30.0

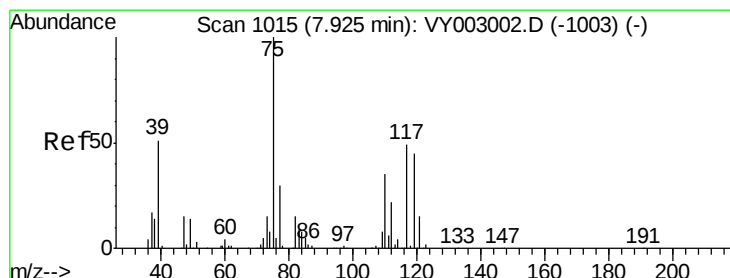
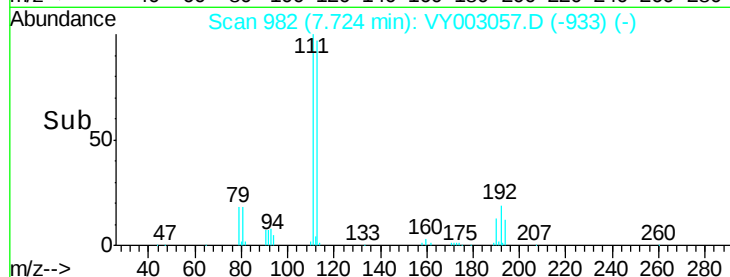
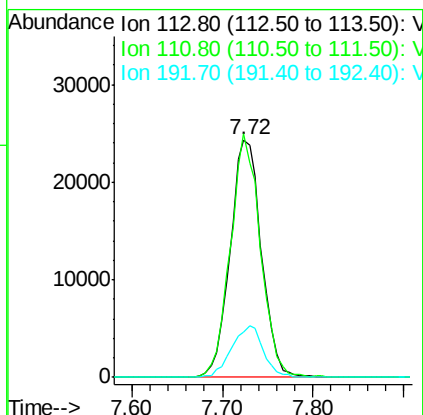
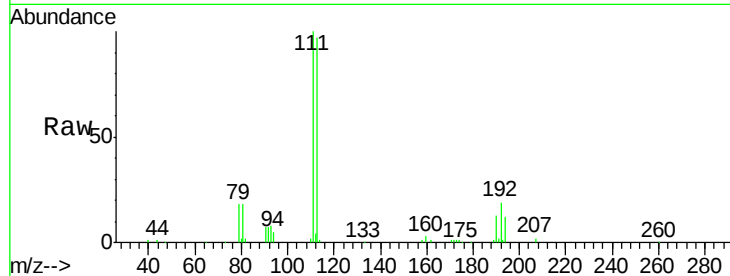




#35
 Dibromofluoromethane
 Concen: 53.448 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003057.D
 Acq: 01 Jul 2020 14:34

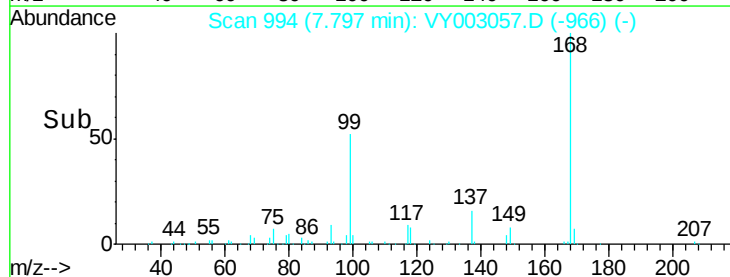
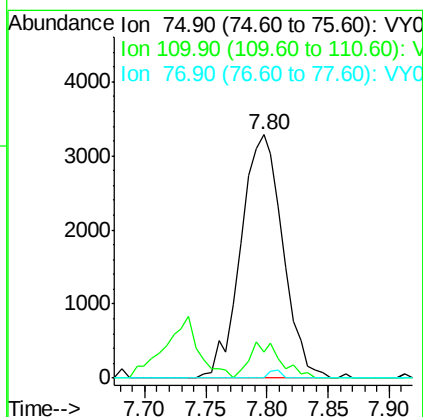
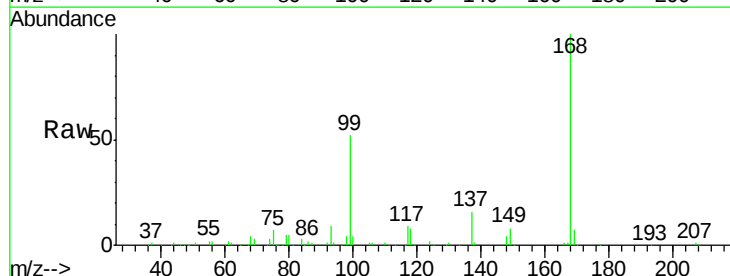
Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-02-063020

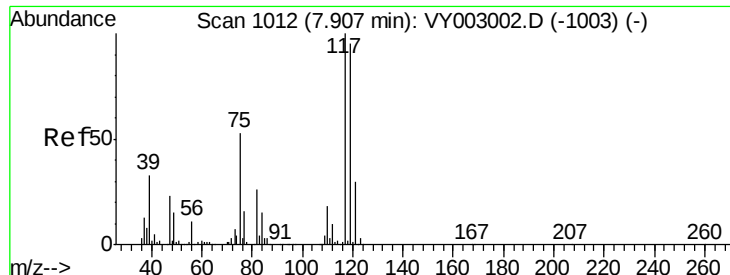
Tot Ion:113 Resp: 57931
 Ion Ratio Lower Upper
 113 100
 111 98.5 82.6 123.8
 192 22.0 18.1 27.1



#36
 1,1-Dichloropropene
 Concen: 4.678 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003057.D
 Acq: 01 Jul 2020 14:34

Tgt Ion: 75 Resp: 7829
 Ion Ratio Lower Upper
 75 100
 110 11.1 17.1 51.2#
 77 1.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.557 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003057.D

Acq: 01 Jul 2020 14:34

Instrument :

MSVOA_Y

ClientSampleId :

PL-02-063020

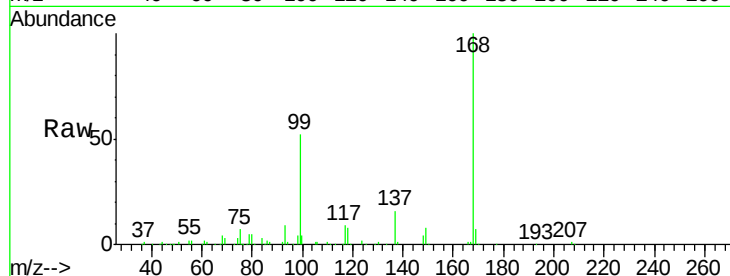
Tot Ion:117 Resp: 9677

Ion Ratio Lower Upper

117 100

119 4.4 75.7 113.5#

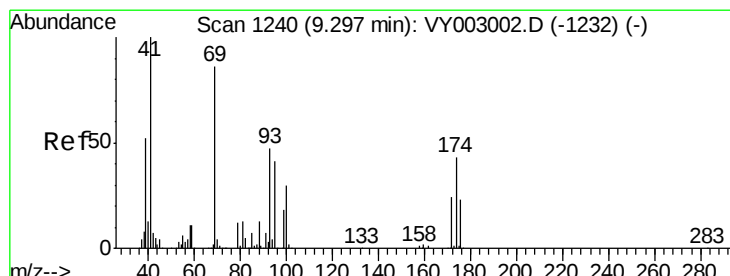
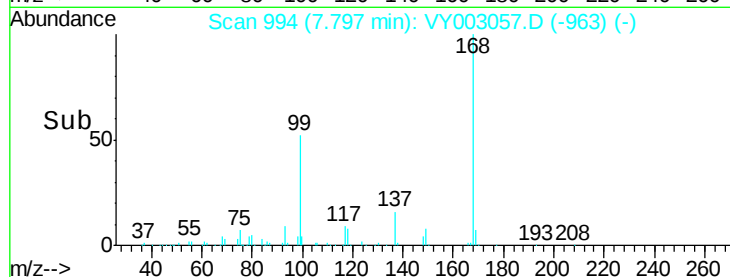
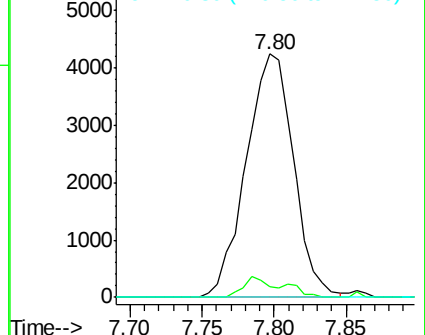
121 0.0 23.9 35.9#



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



#49

1,4-Dioxane

Concen: 2.261 ug/l

RT: 9.18 min Scan# 1221

Delta R.T. -0.12 min

Lab File: VY003057.D

Acq: 01 Jul 2020 14:34

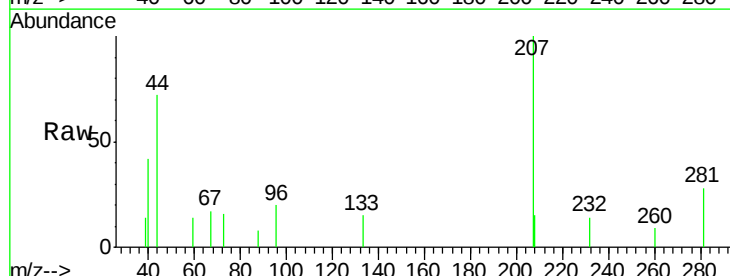
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 405.3 28.6 42.8#

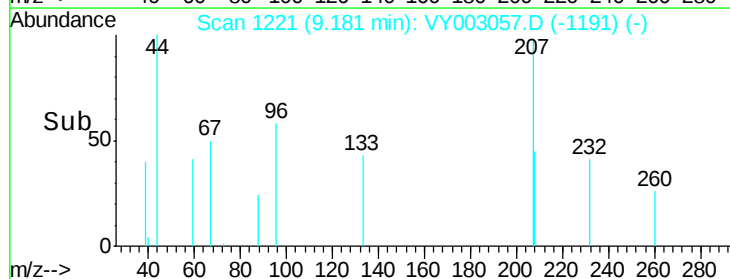
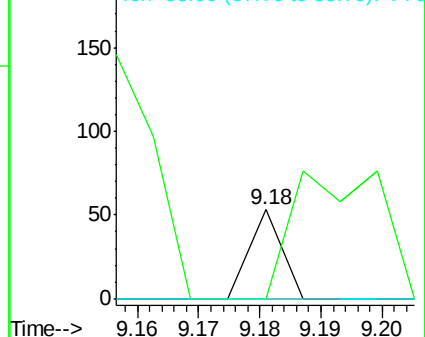
58 0.0 56.7 85.1#

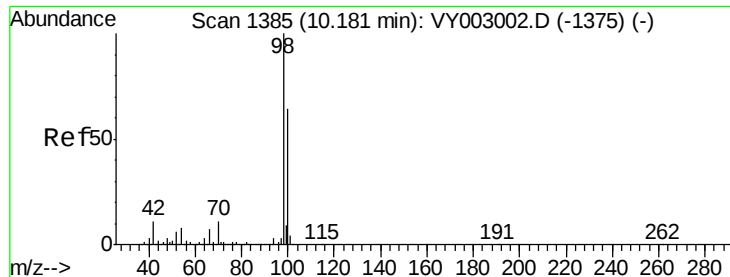


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 50.986 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003057.D

Acq: 01 Jul 2020 14:34

Instrument :

MSVOA_Y

ClientSampleId :

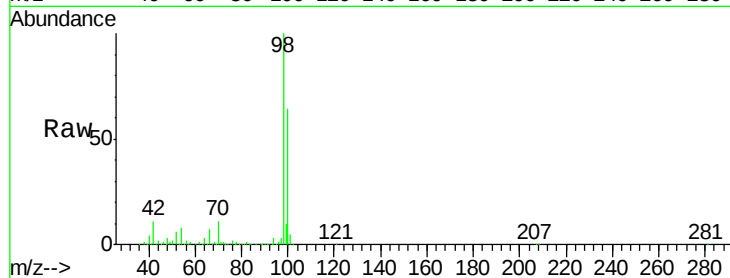
PL-02-063020

Tot Ion: 98 Resp: 205875

Ion Ratio Lower Upper

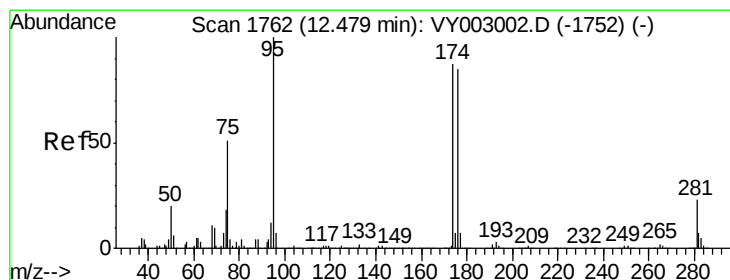
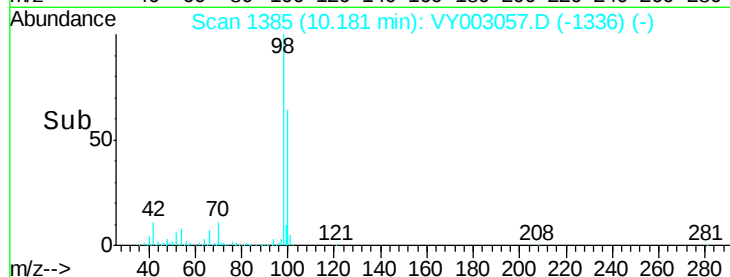
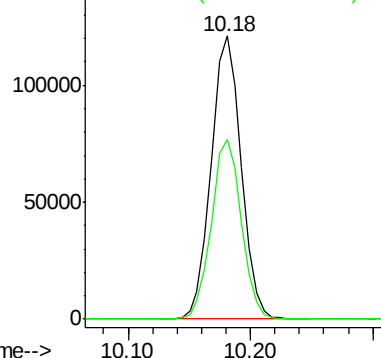
98 100

100 63.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



#62

4-Bromofluorobenzene

Concen: 48.934 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003057.D

Acq: 01 Jul 2020 14:34

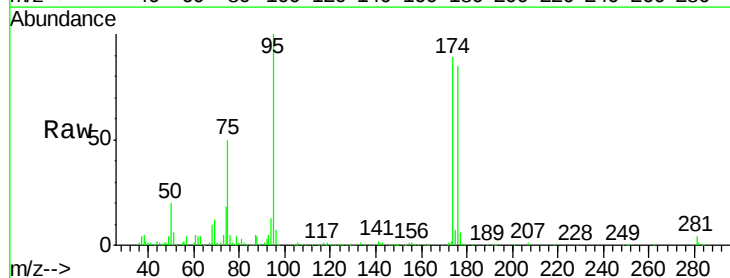
Tgt Ion: 95 Resp: 69552

Ion Ratio Lower Upper

95 100

174 92.8 0.0 184.8

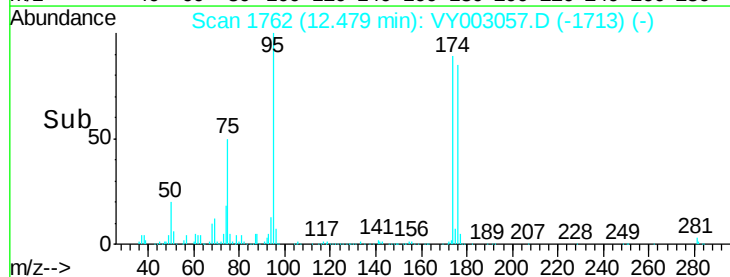
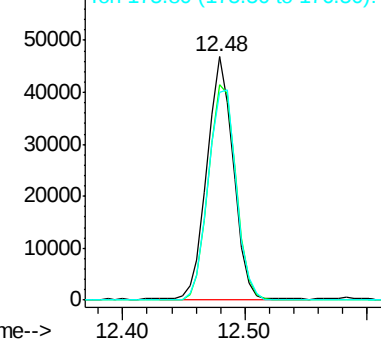
176 92.0 0.0 183.0

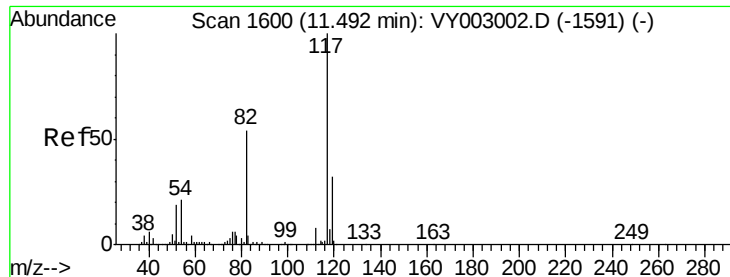


Abundance Ion 94.90 (94.60 to 95.60): VY0

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: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY003057.D

Acq: 01 Jul 2020 14:34

Instrument :

MSVOA_Y

ClientSampleId :

PL-02-063020

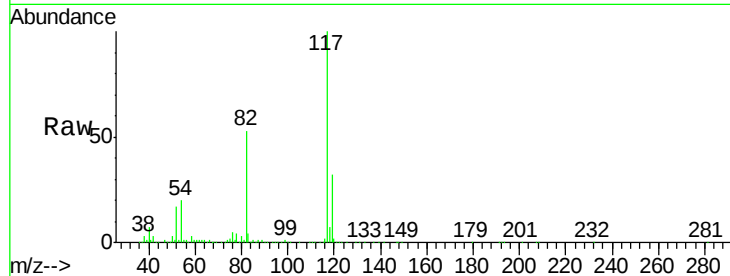
Tot Ion:117 Resp: 161552

Ion Ratio Lower Upper

117 100

82 53.2 43.0 64.6

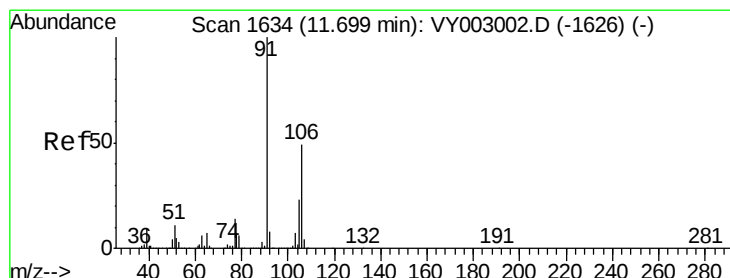
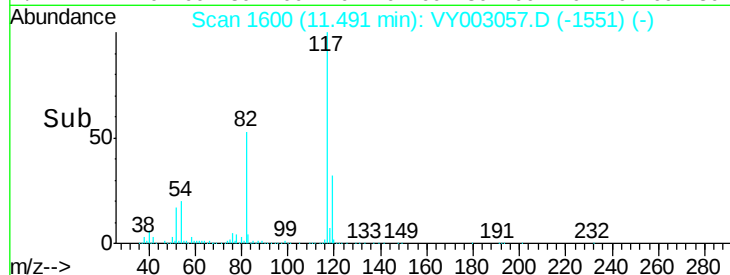
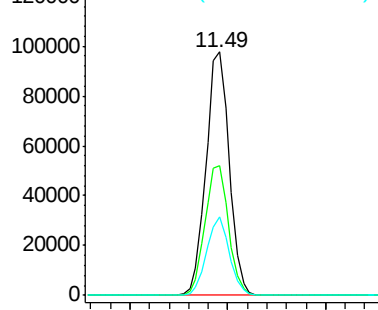
119 32.3 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#68

m/p-Xylenes

Concen: 1.427 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY003057.D

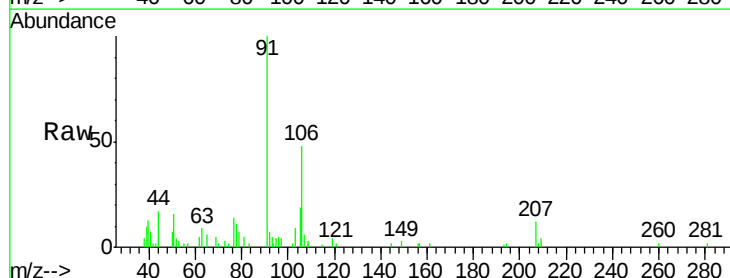
Acq: 01 Jul 2020 14:34

Tgt Ion:106 Resp: 3094

Ion Ratio Lower Upper

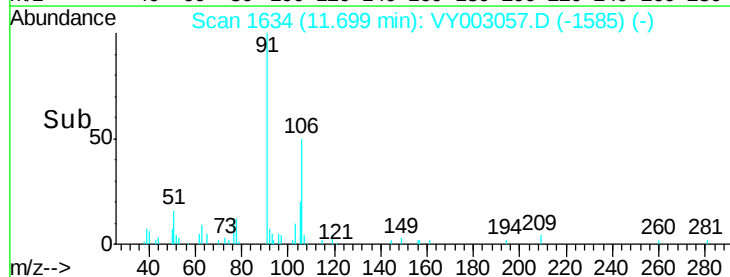
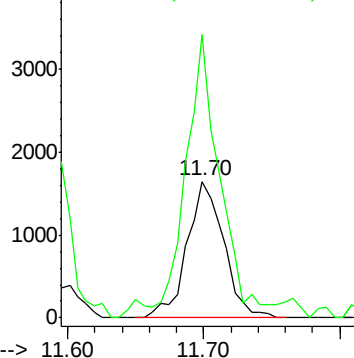
106 100

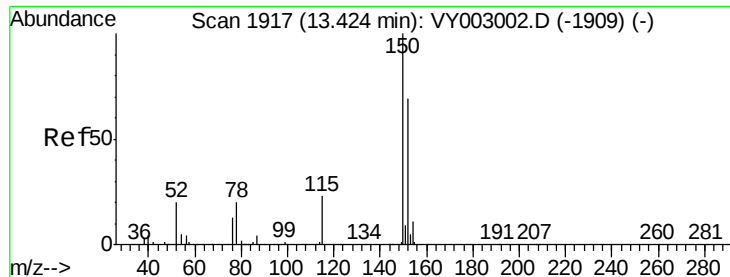
91 183.5 161.9 242.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



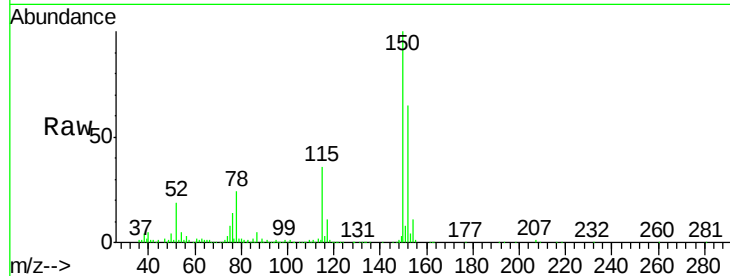


#72

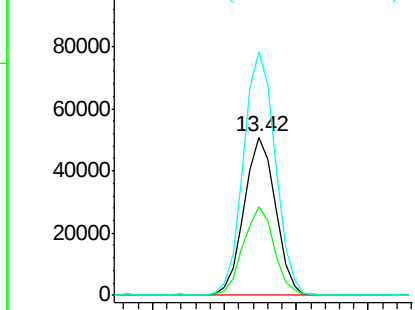
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003057.D
Acq: 01 Jul 2020 14:34

Instrument :
MSVOA_Y
ClientSampleId :
PL-02-063020

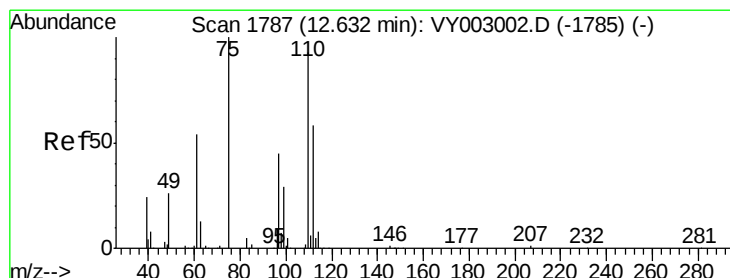
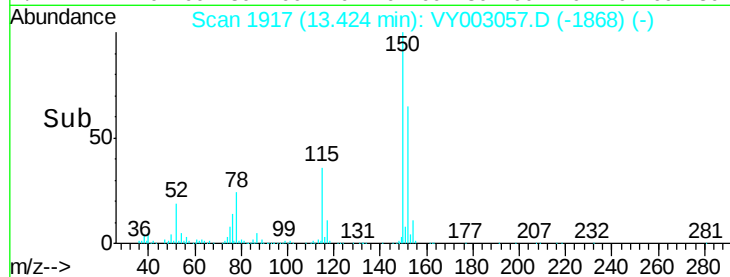
Tot Ion:152 Resp: 76620
Ion Ratio Lower Upper
152 100
115 54.9 27.3 81.9
150 156.8 0.0 343.4



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



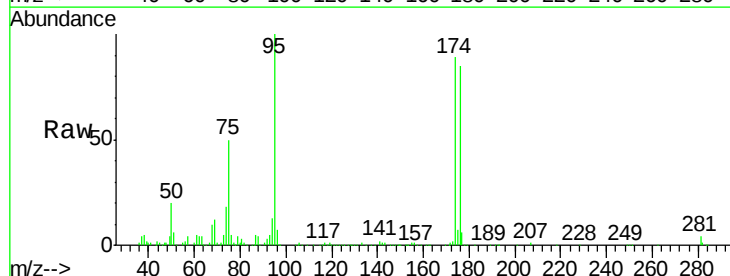
Time-->



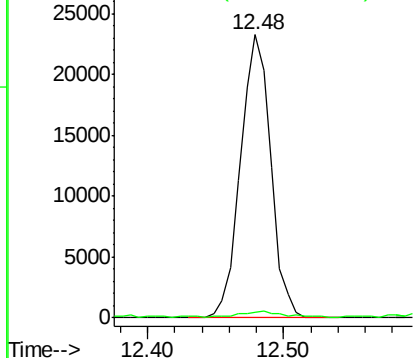
#76

1,2,3-Trichloropropane
Concen: 47.615 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003057.D
Acq: 01 Jul 2020 14:34

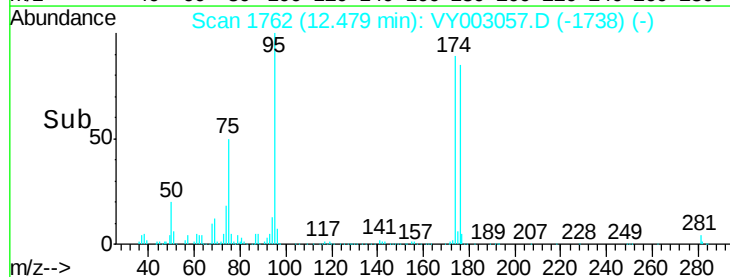
Tgt Ion: 75 Resp: 36107
Ion Ratio Lower Upper
75 100
77 2.8 0.0 0.0#

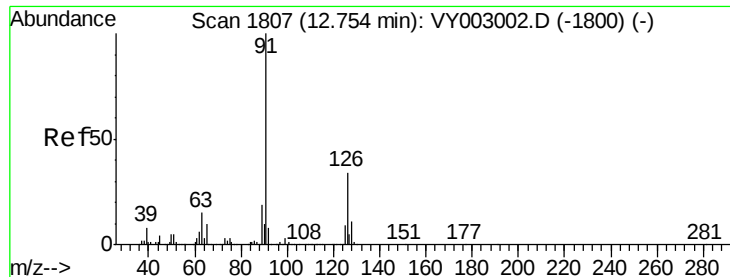


Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0



Time-->





#79

2-Chlorotoluene

Concen: 3.607 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY003057.D

Acq: 01 Jul 2020 14:34

Instrument :

MSVOA_Y

ClientSampleId :

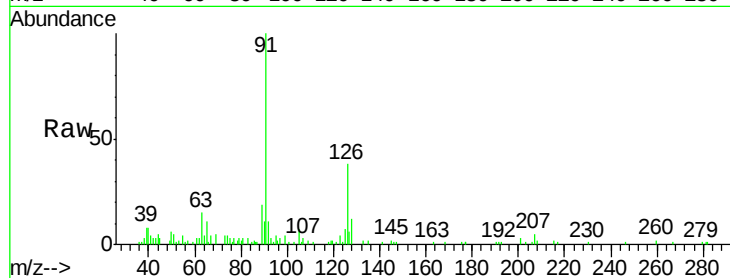
PL-02-063020

Tot Ion: 91 Resp: 12142

Ion Ratio Lower Upper

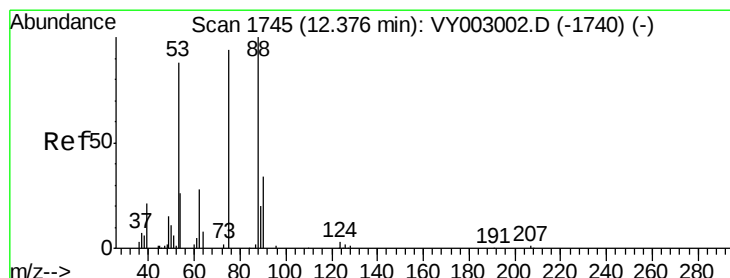
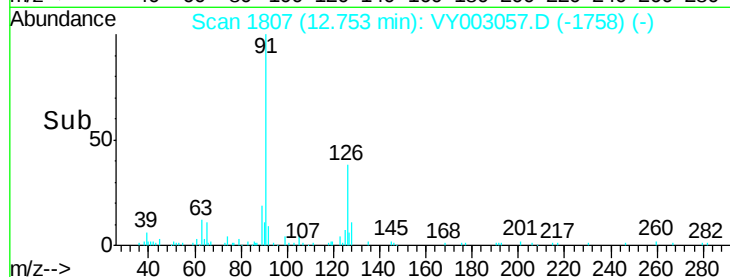
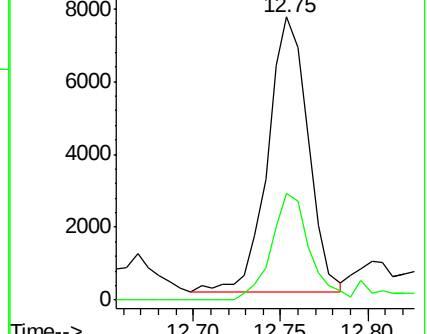
91 100

126 36.2 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): VY0



#81

trans-1,4-Dichloro-2-butene

Concen: 92.640 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003057.D

Acq: 01 Jul 2020 14:34

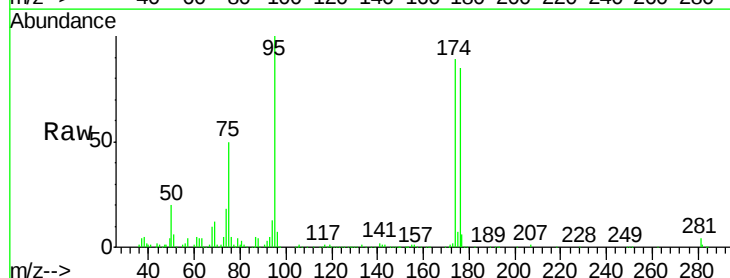
Tgt Ion: 75 Resp: 36107

Ion Ratio Lower Upper

75 100

53 0.4 73.9 110.9#

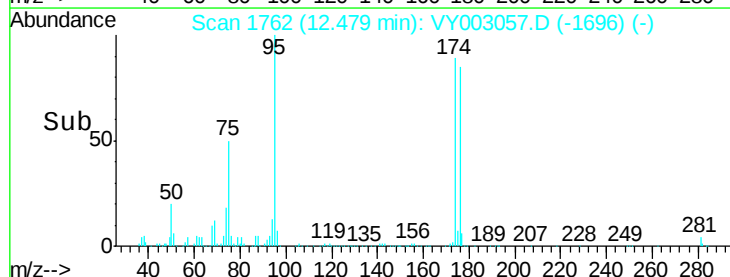
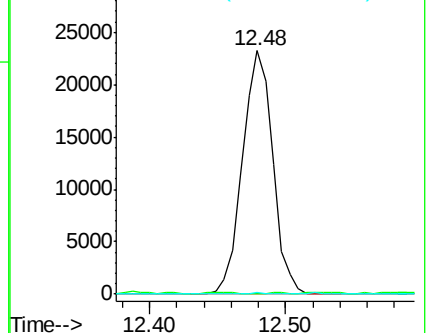
89 0.1 37.5 56.3#

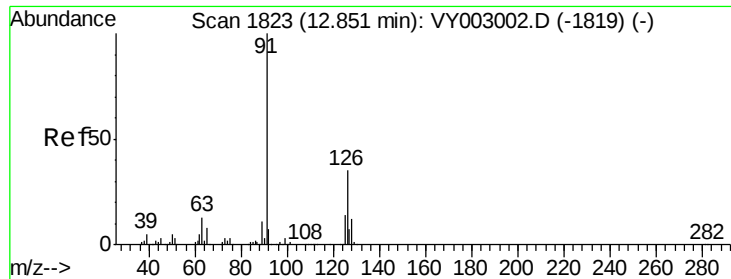


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

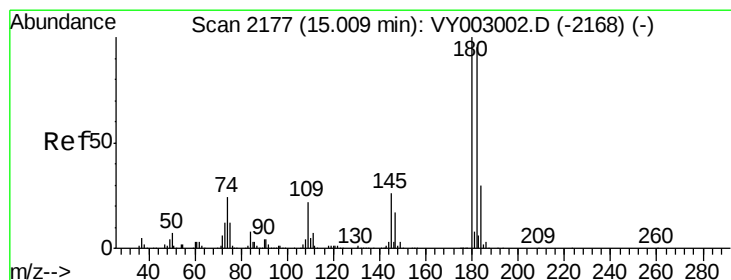
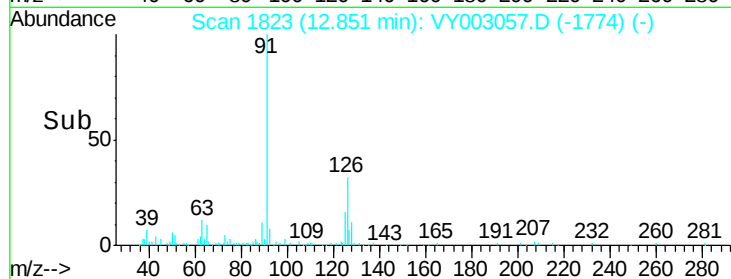
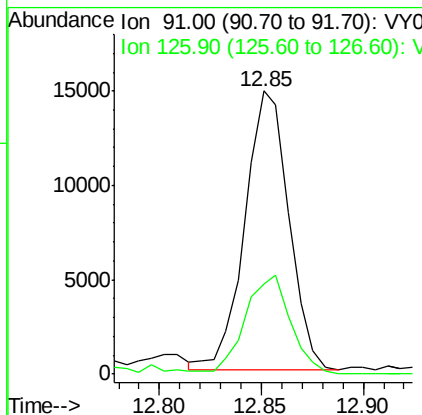
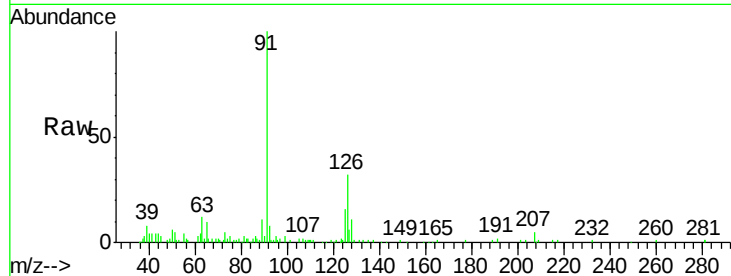




#82
4-Chlorotoluene
Concen: 6.334 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VY003057.D
Acq: 01 Jul 2020 14:34

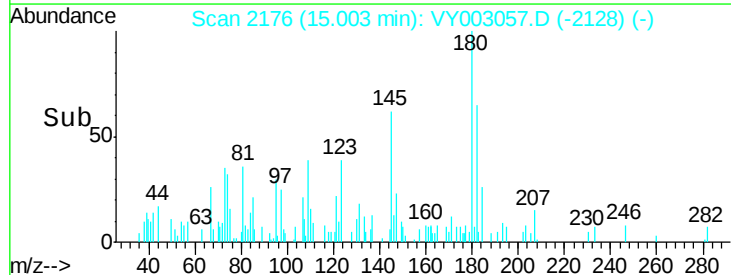
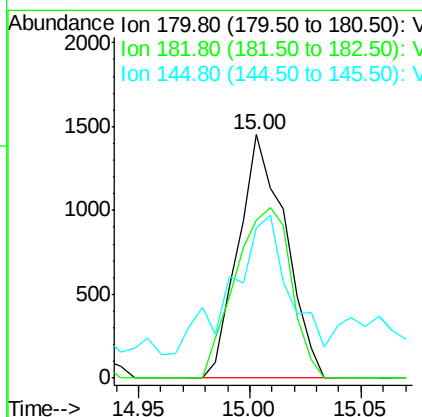
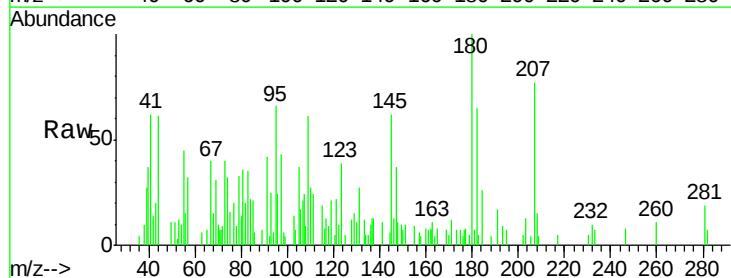
Instrument :
MSVOA_Y
ClientSampleId :
PL-02-063020

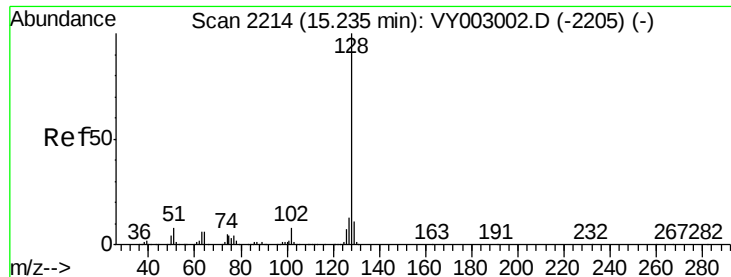
Tot Ion: 91 Resp: 22197
Ion Ratio Lower Upper
91 100
126 37.0 17.4 52.3



#93
1,2,4-Trichlorobenzene
Concen: 1.334 ug/l
RT: 15.00 min Scan# 2176
Delta R.T. -0.01 min
Lab File: VY003057.D
Acq: 01 Jul 2020 14:34

Tgt Ion: 180 Resp: 2134
Ion Ratio Lower Upper
180 100
182 83.1 48.1 144.3
145 97.6 13.9 41.6#





#95

Naphthalene

Concen: 2.731 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY003057.D

Acq: 01 Jul 2020 14:34

Instrument :

MSVOA_Y

ClientSampleId :

PL-02-063020

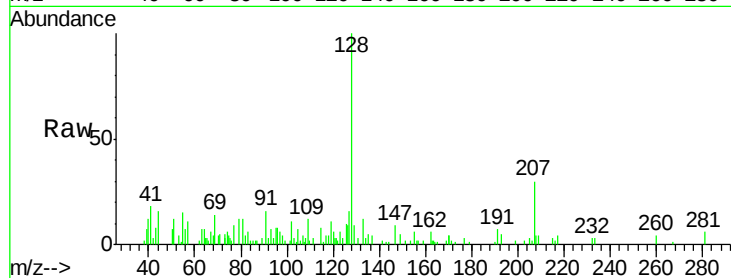
Tot Ion:128 Resp: 7983

Ion Ratio Lower Upper

128 100

127 17.1 10.8 16.2#

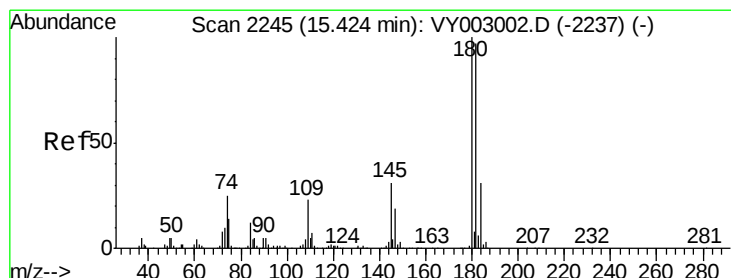
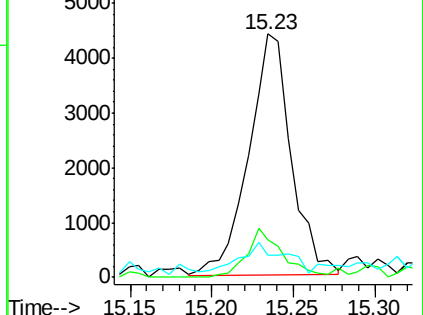
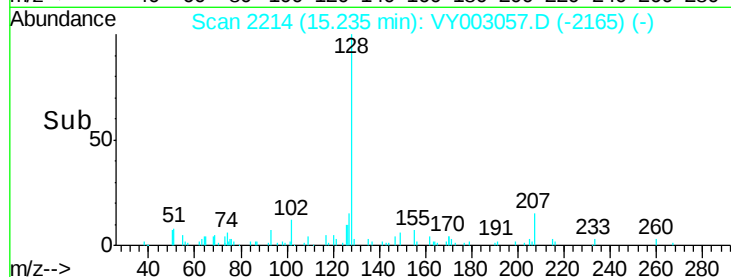
129 13.0 8.8 13.2



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: 1.396 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. 0.01 min

Lab File: VY003057.D

Acq: 01 Jul 2020 14:34

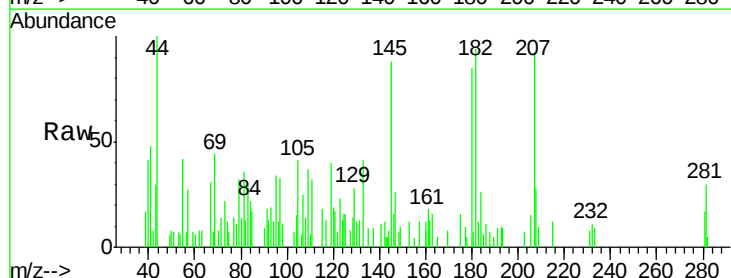
Tgt Ion:180 Resp: 1940

Ion Ratio Lower Upper

180 100

182 100.2 47.8 143.3

145 0.0 14.7 44.1#



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

