

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041420\
 Data File : VY002300.D
 Acq On : 14 Apr 2020 11:55
 Operator : SY/MD
 Sample : VY0414SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 15 05:32:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	150641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	297731	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	267209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	119443	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	83063	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
35) Dibromofluoromethane	7.74	113	88553	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
50) Toluene-d8	10.19	98	358905	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
62) 4-Bromofluorobenzene	12.49	95	118853	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	

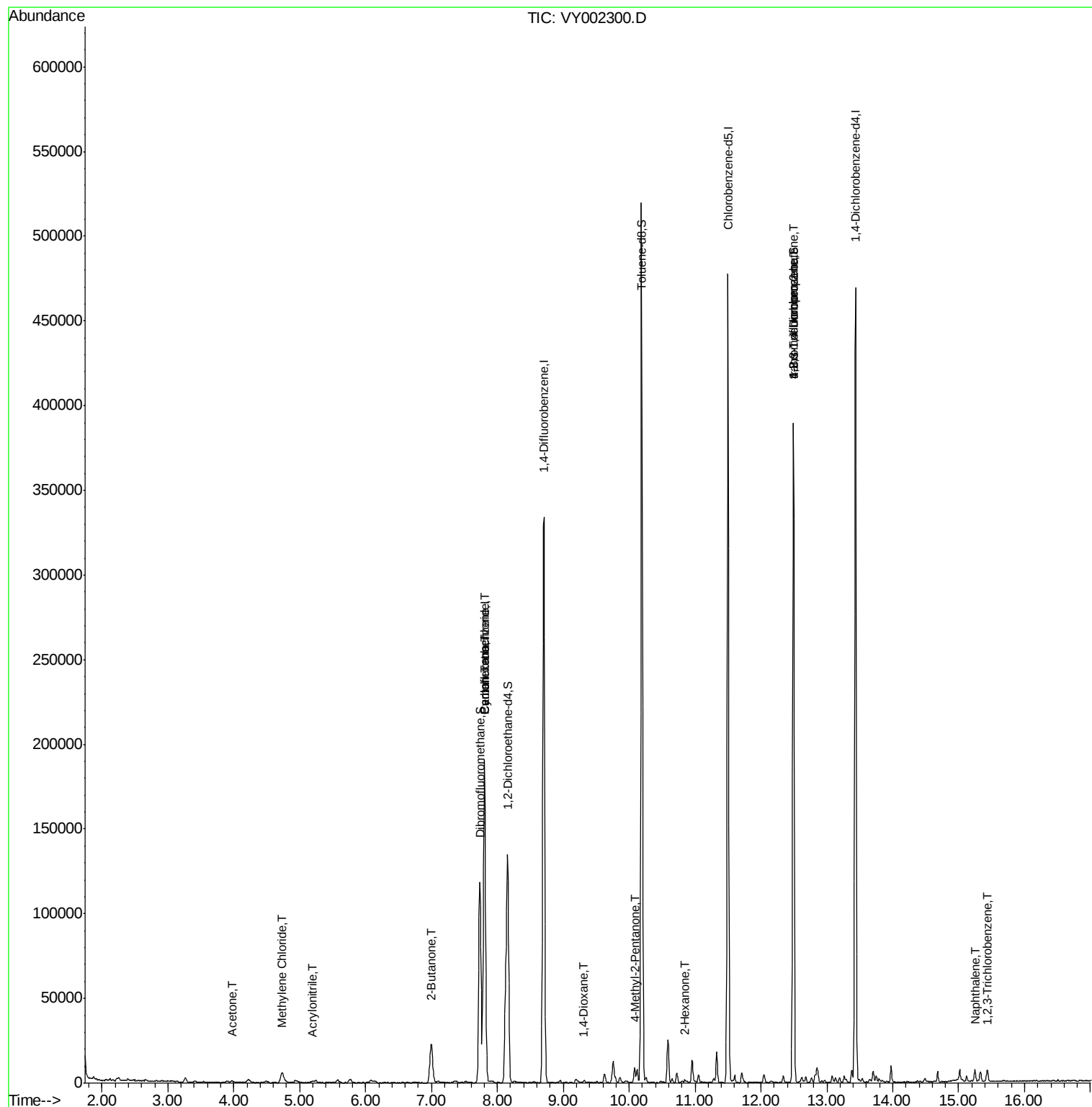
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.94	59	957	Below Cal	#	77
15) Acrylonitrile	5.19	53	1099	1.919	ug/l #	89
16) Acetone	3.97	43	1825	4.136	ug/l	95
20) Methylene Chloride	4.73	84	4594	2.118	ug/l	91
25) 2-Butanone	7.00	43	1833	2.625	ug/l	100
31) Cyclohexane	7.81	56	3676	1.042	ug/l #	1
38) Carbon Tetrachloride	7.80	117	15152	6.040	ug/l #	17
49) 1,4-Dioxane	9.30	88	24	1.470	ug/l #	23
51) 4-Methyl-2-Pentanone	10.09	43	6912	4.341	ug/l	93
59) 2-Hexanone	10.85	43	1225	1.109	ug/l	95
76) 1,2,3-Trichloropropane	12.49	75	56457	40.704	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	56457	79.170	ug/l #	19
95) Naphthalene	15.25	128	6098	1.172	ug/l	98
96) 1,2,3-Trichlorobenzene	15.43	180	2270	1.100	ug/l	97

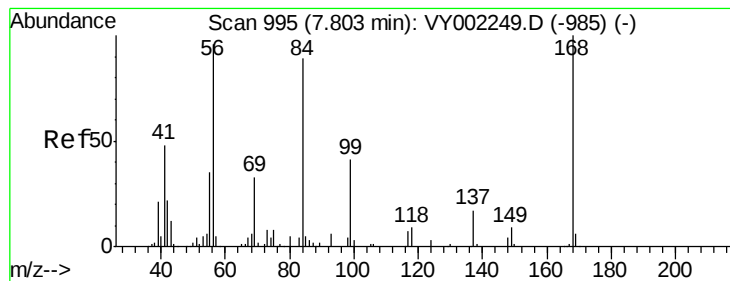
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY041420\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
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QLast Update : Wed Apr 08 15:15:02 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY002300.D

Acq: 14 Apr 2020 11:55

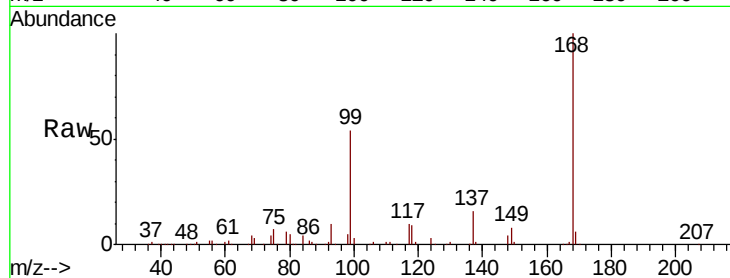
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 150641

Ion Ratio Lower Upper

168 100

99 54.3 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)

7.80

60000

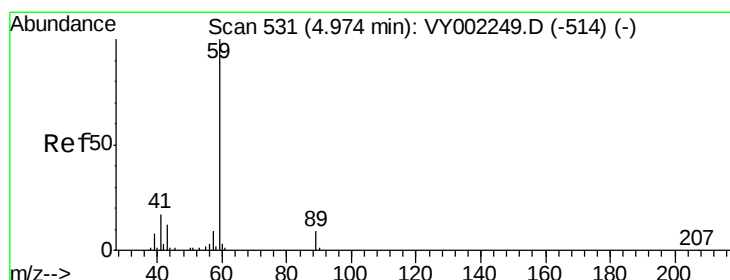
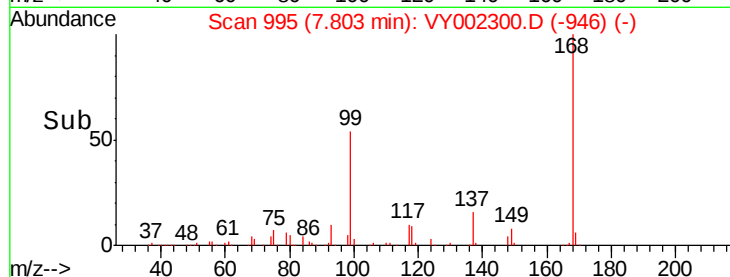
40000

20000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.94 min Scan# 525

Delta R.T. -0.04 min

Lab File: VY002300.D

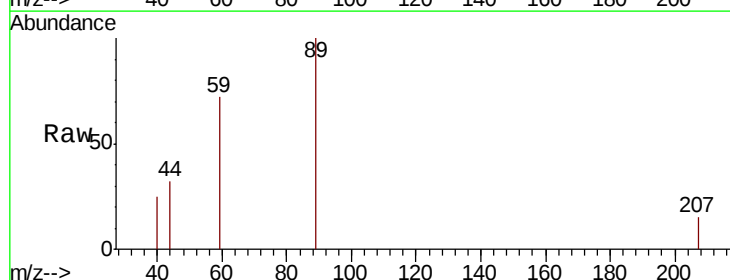
Acq: 14 Apr 2020 11:55

Tgt Ion: 59 Resp: 957

Ion Ratio Lower Upper

59 100

57 0.0 6.6 9.8#



Abundance Ion 59.00 (58.70 to 59.70): VY002249.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY002249.D (-514) (-)

4.94

500

400

300

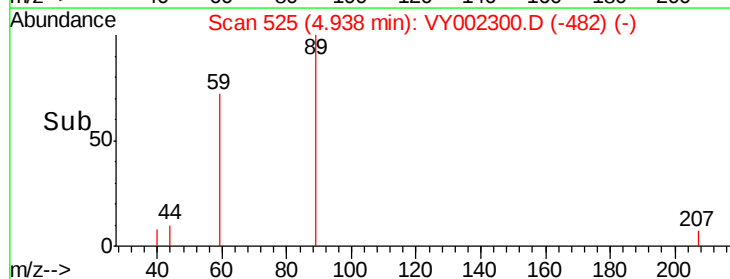
200

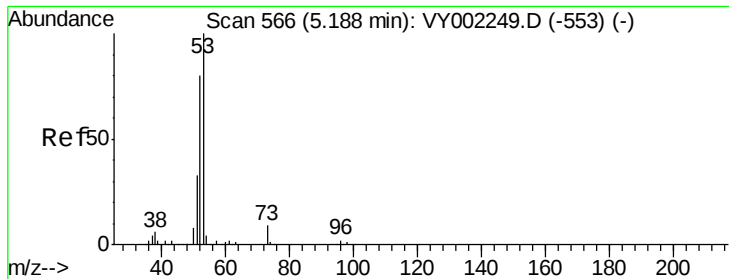
100

0

4.85 4.90 4.95

Time-->





#15

Acrylonitrile

Concen: 1.919 ug/l

RT: 5.19 min Scan# 566

Delta R.T. 0.00 min

Lab File: VY002300.D

Acq: 14 Apr 2020 11:55

Instrument :

MSVOA_Y

ClientSampled :

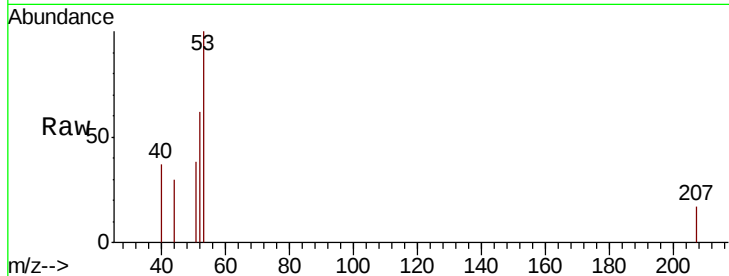
Tot Ion: 53 Resp: 1099

Ion Ratio Lower Upper

53 100

52 74.3 65.1 97.7

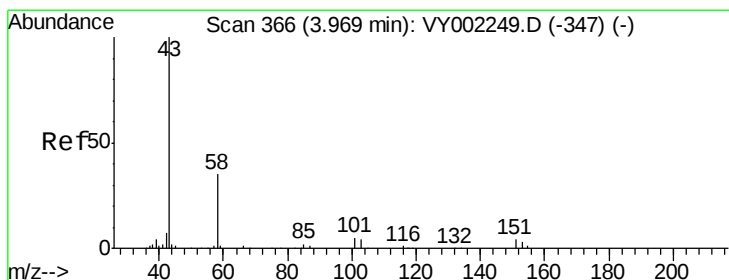
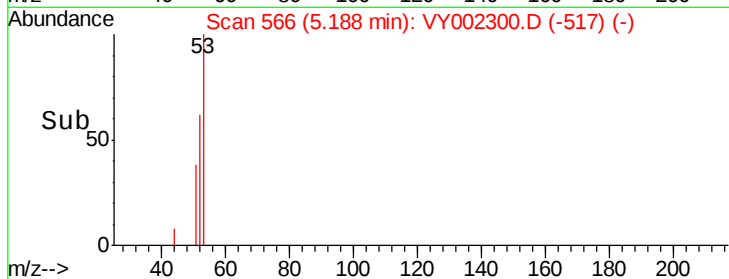
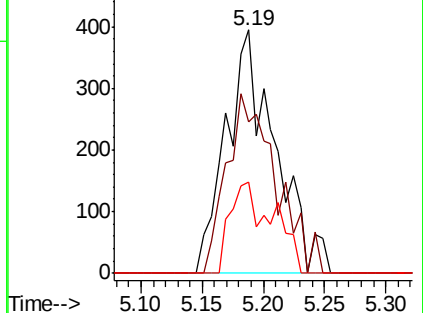
51 24.3 27.1 40.7#



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 4.136 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.00 min

Lab File: VY002300.D

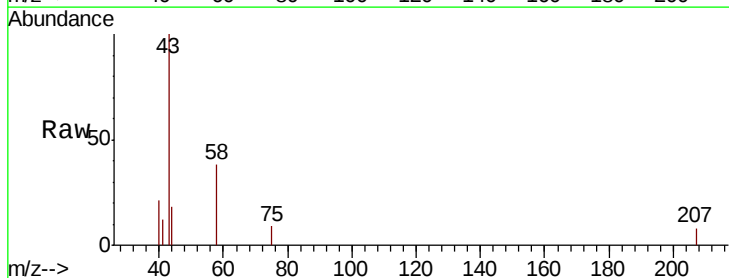
Acq: 14 Apr 2020 11:55

Tgt Ion: 43 Resp: 1825

Ion Ratio Lower Upper

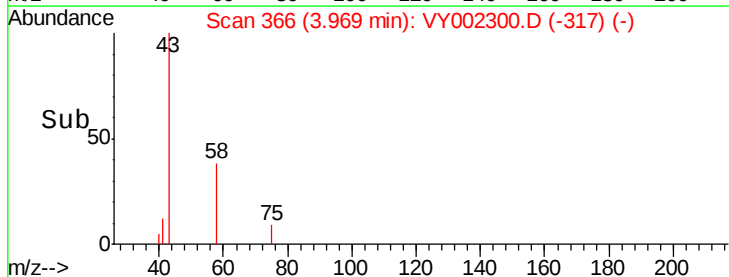
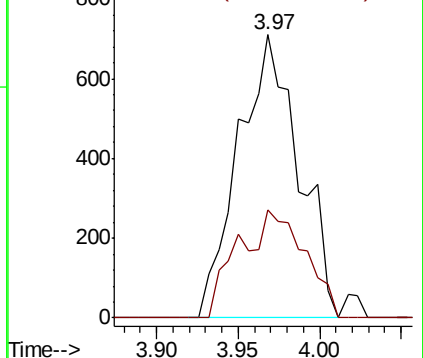
43 100

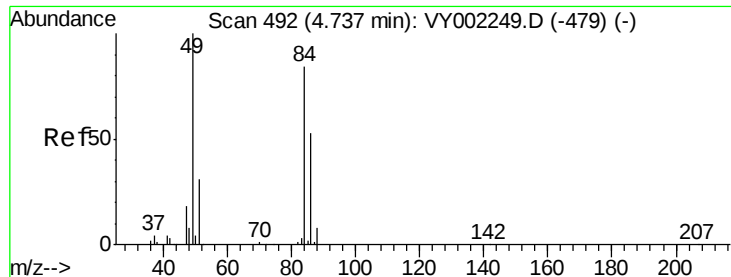
58 38.3 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

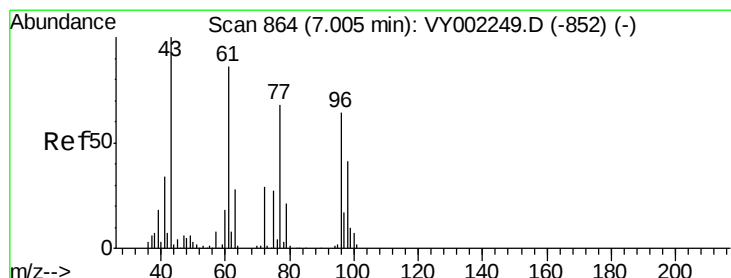
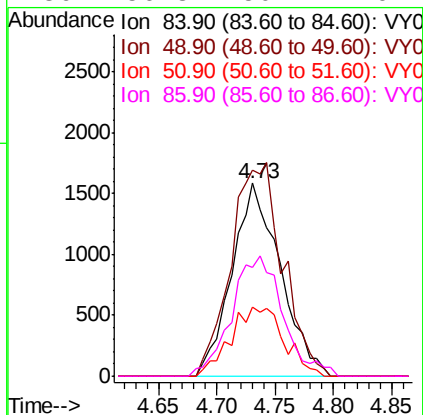
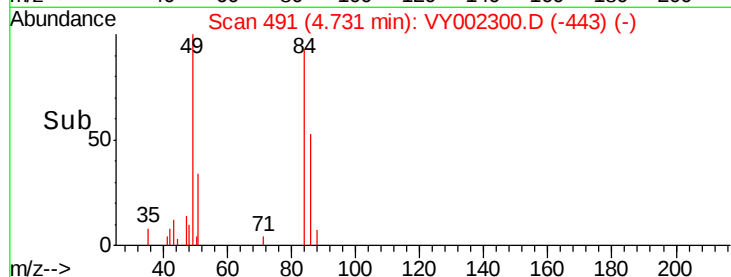
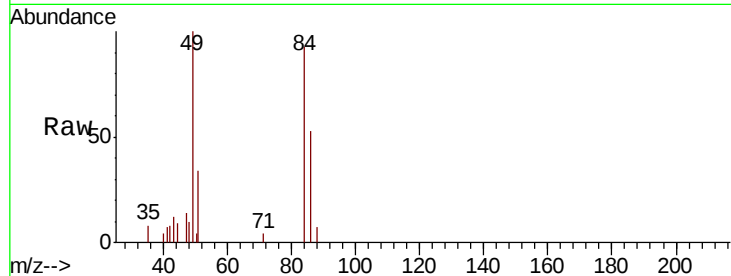




#20
Methvlene Chloride
Concen: 2.118 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY002300.D
Acq: 14 Apr 2020 11:55

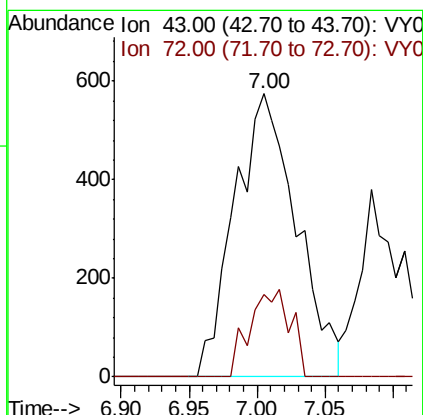
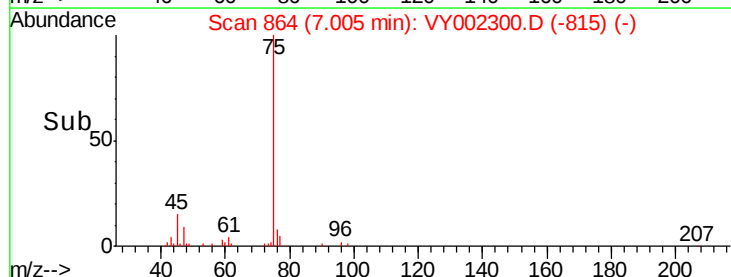
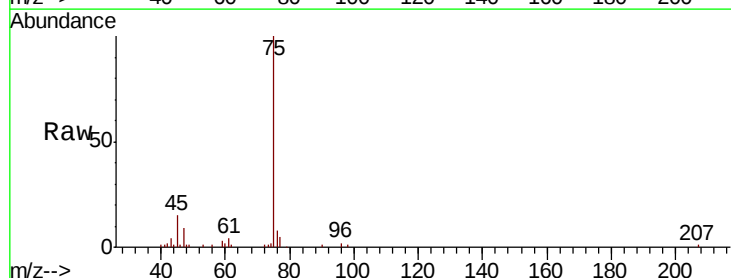
Instrument :
MSVOA_Y
ClientSampled :

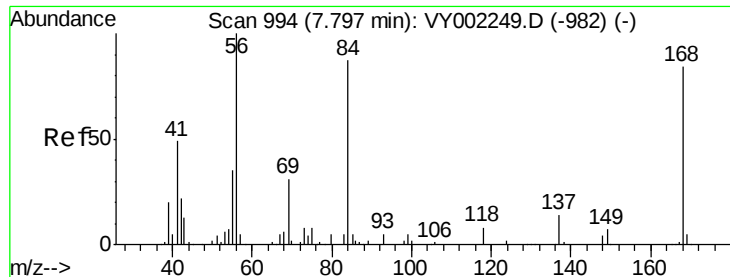
Tot Ion: 84 Resp: 4594
Ion Ratio Lower Upper
84 100
49 107.0 95.5 143.3
51 35.9 29.5 44.3
86 56.3 50.7 76.1



#25
2-Butanone
Concen: 2.625 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.00 min
Lab File: VY002300.D
Acq: 14 Apr 2020 11:55

Tgt Ion: 43 Resp: 1833
Ion Ratio Lower Upper
43 100
72 29.1 23.2 34.8

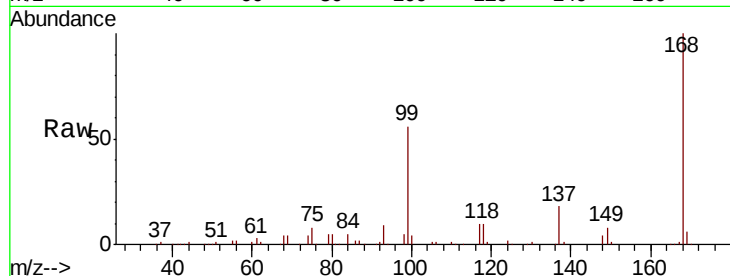




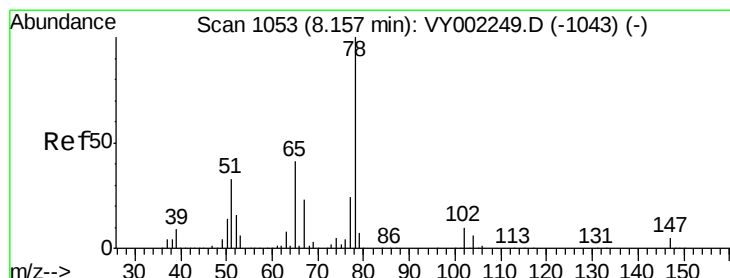
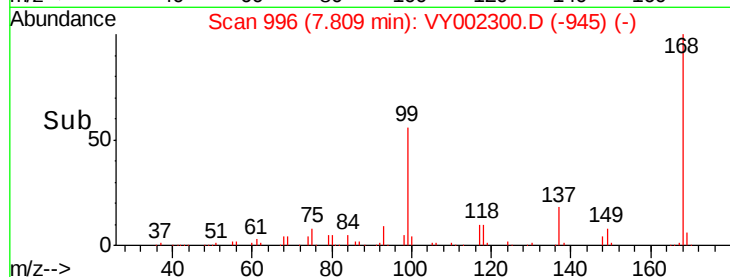
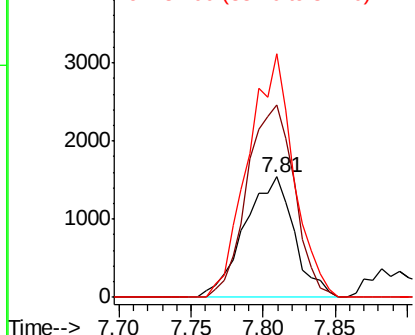
#31
Cyclohexane
Concen: 1.042 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.01 min
Lab File: VY002300.D
Acq: 14 Apr 2020 11:55

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 3676
Ion Ratio Lower Upper
56 100
69 159.9 25.0 37.6#
84 201.9 69.7 104.5#

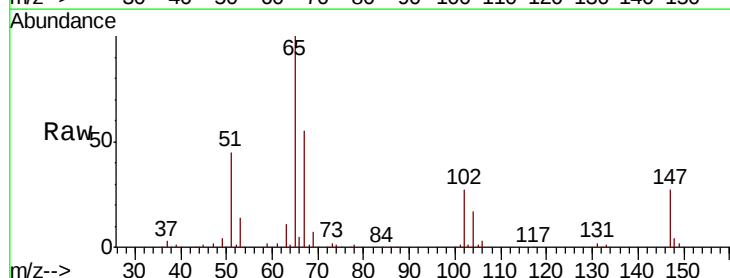


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

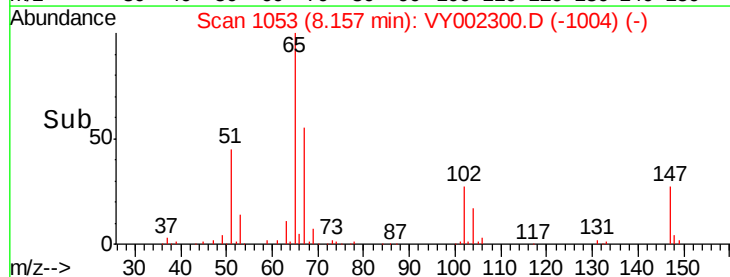
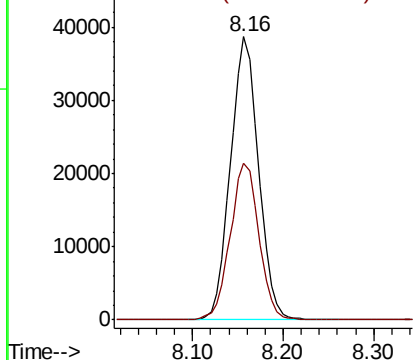


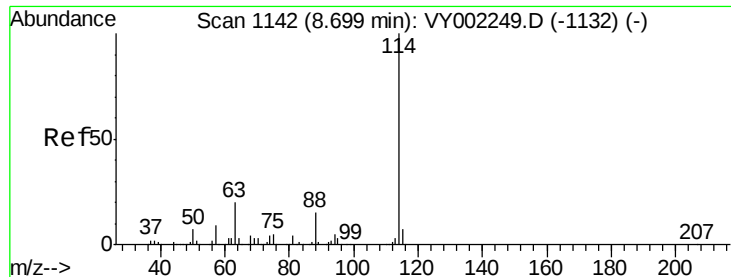
#33
1,2-Dichloroethane-d4
Concen: 49.583 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VY002300.D
Acq: 14 Apr 2020 11:55

Tgt Ion: 65 Resp: 83063
Ion Ratio Lower Upper
65 100
67 56.7 0.0 114.0



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

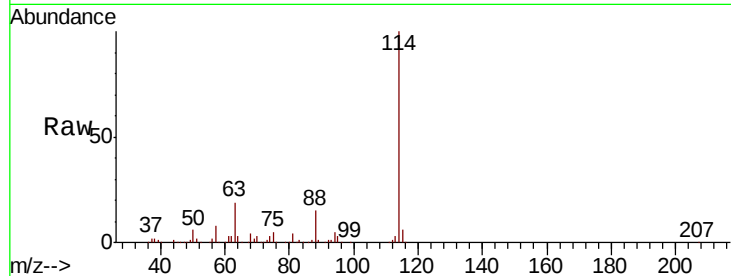




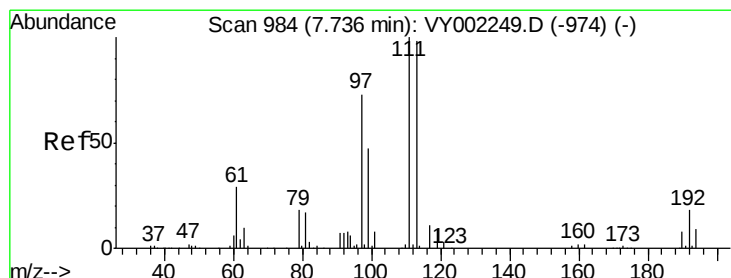
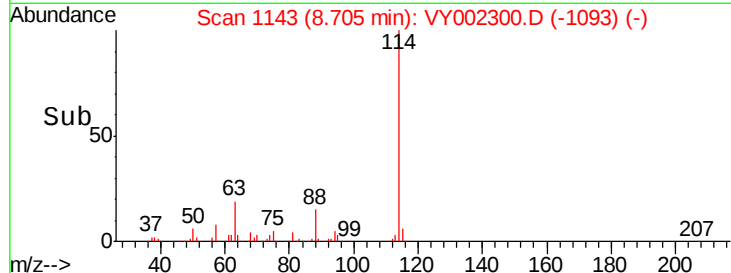
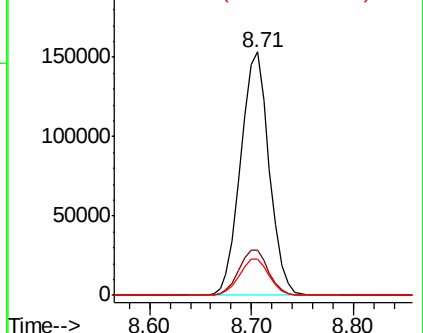
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VY002300.D
 Acq: 14 Apr 2020 11:55

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 297731
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 39.0
 88 15.0 0.0 31.0

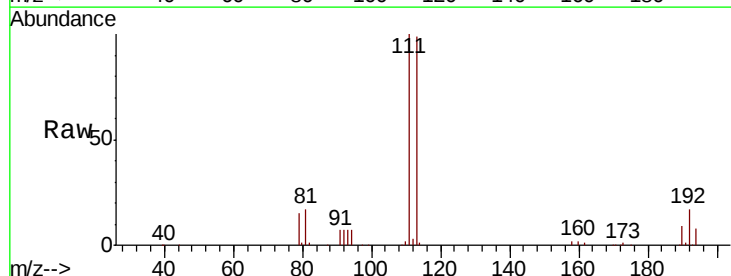


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

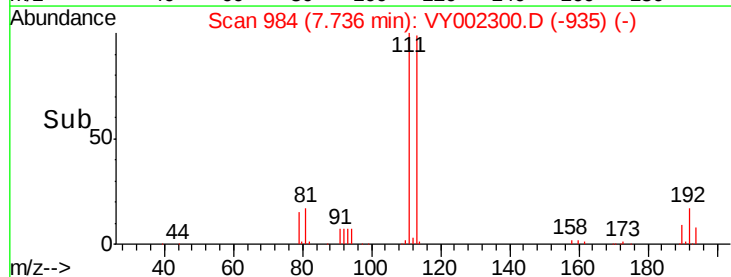
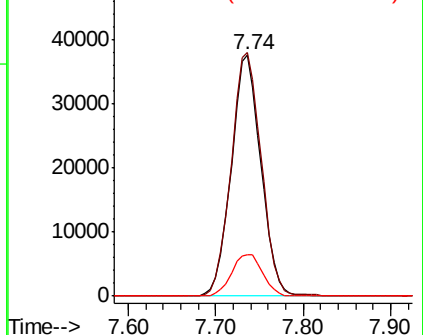


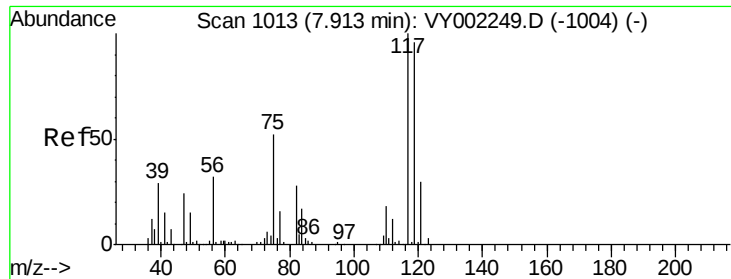
#35
 Dibromofluoromethane
 Concen: 49.985 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. 0.00 min
 Lab File: VY002300.D
 Acq: 14 Apr 2020 11:55

Tgt Ion:113 Resp: 88553
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.5 125.3
 192 18.1 14.7 22.1



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





#38

Carbon Tetrachloride

Concen: 6.040 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY002300.D

Acq: 14 Apr 2020 11:55

Instrument :

MSVOA_Y

ClientSampleId :

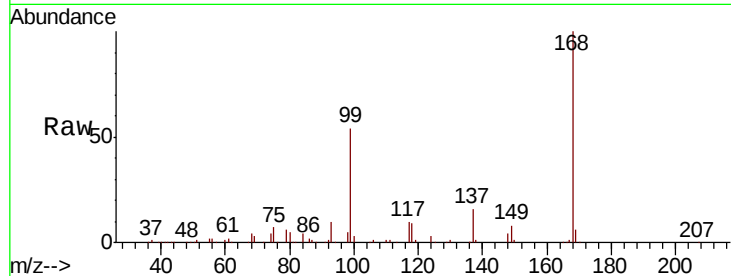
Tot Ion:117 Resp: 15152

Ion Ratio Lower Upper

117 100

119 7.1 77.1 115.7#

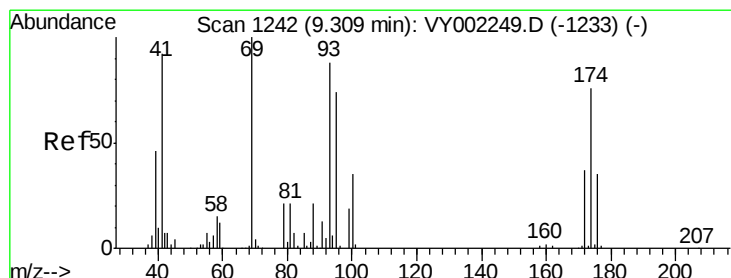
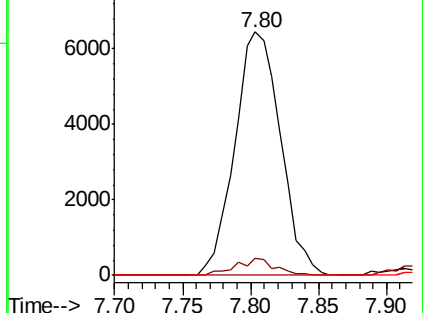
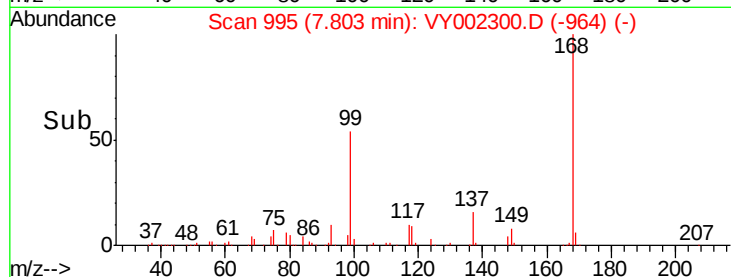
121 0.0 23.9 35.9#



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: 1.470 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.01 min

Lab File: VY002300.D

Acq: 14 Apr 2020 11:55

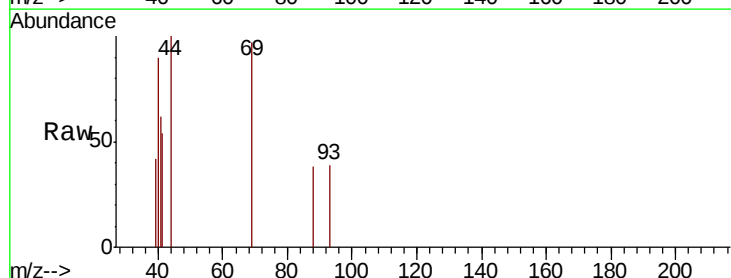
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.2#

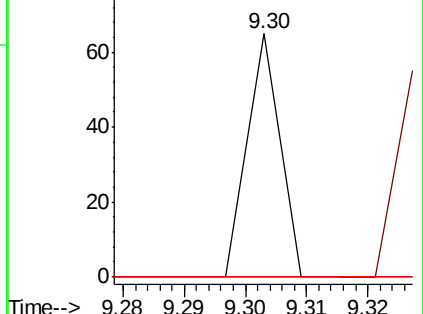
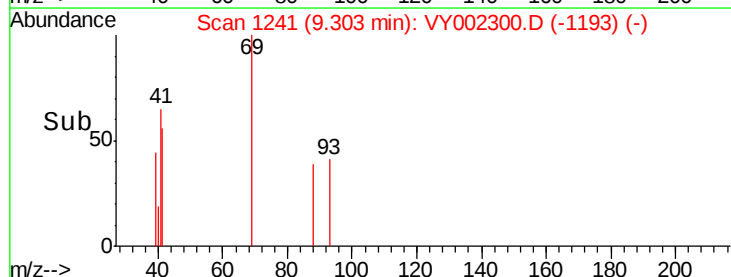
58 0.0 57.6 86.4#

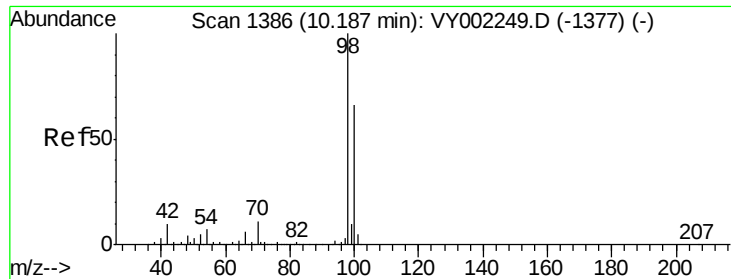


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 48.401 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002300.D

Acq: 14 Apr 2020 11:55

Instrument :

MSVOA_Y

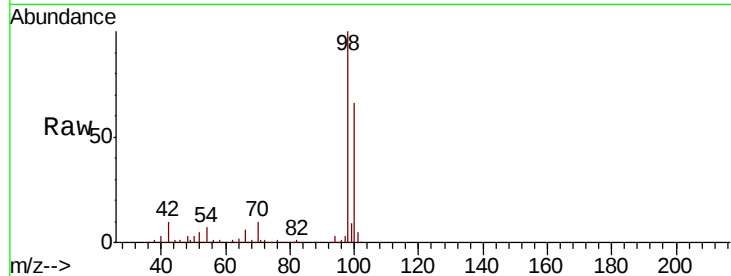
ClientSampled :

Tot Ion: 98 Resp: 358905

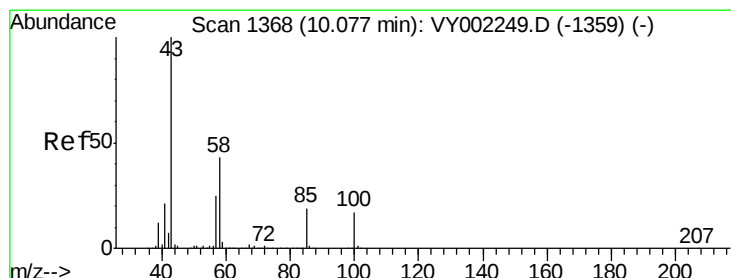
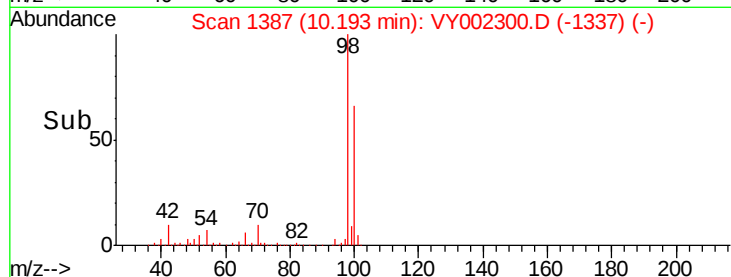
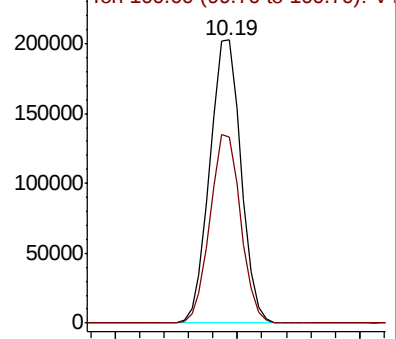
Ion Ratio Lower Upper

98 100

100 65.5 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY002249.D (-1377) (-)



#51

4-Methyl-2-Pentanone

Concen: 4.341 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY002300.D

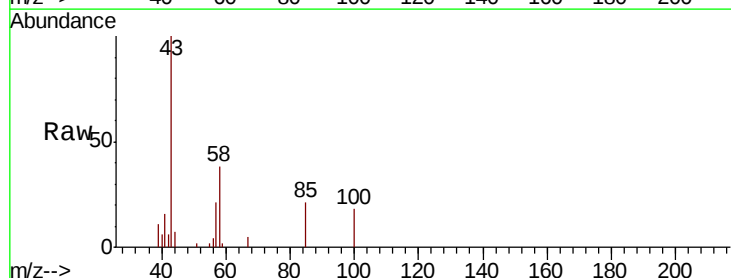
Acq: 14 Apr 2020 11:55

Tgt Ion: 43 Resp: 6912

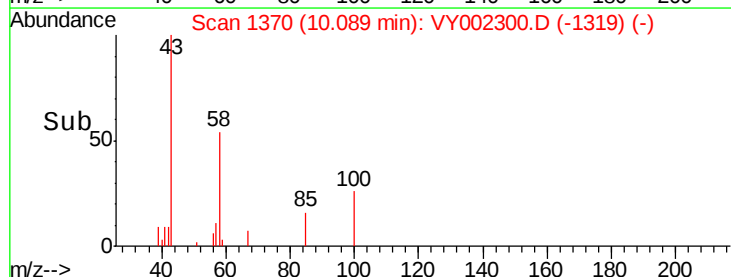
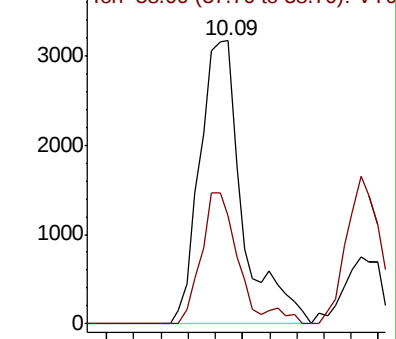
Ion Ratio Lower Upper

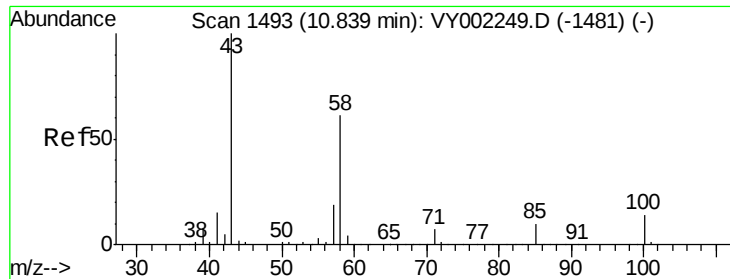
43 100

58 37.9 33.8 50.8



Abundance Ion 43.00 (42.70 to 43.70): VY002249.D (-1359) (-)





#59

2-Hexanone

Concen: 1.109 ug/l

RT: 10.85 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VY002300.D

Acq: 14 Apr 2020 11:55

Instrument :

MSVOA_Y

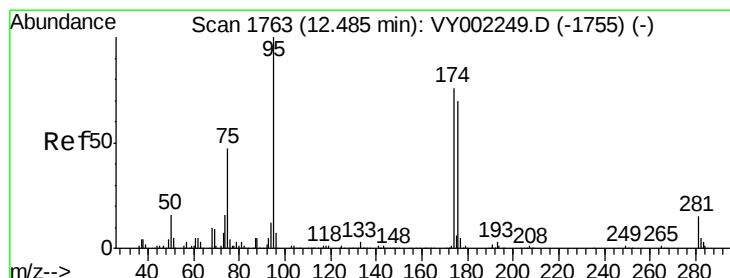
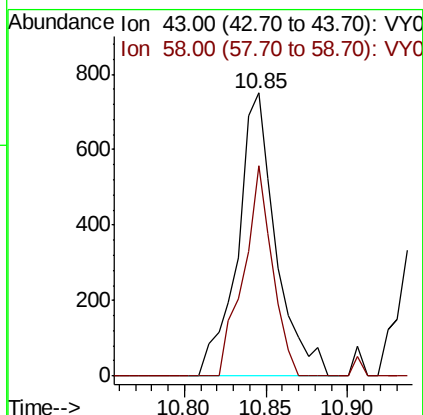
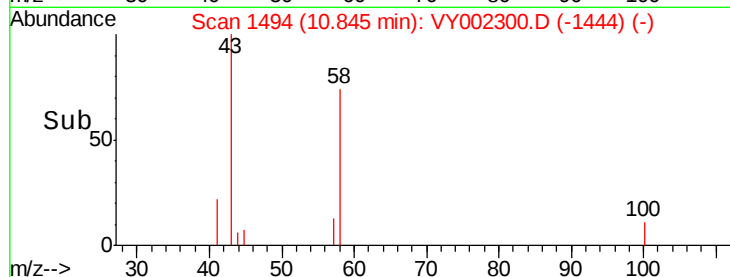
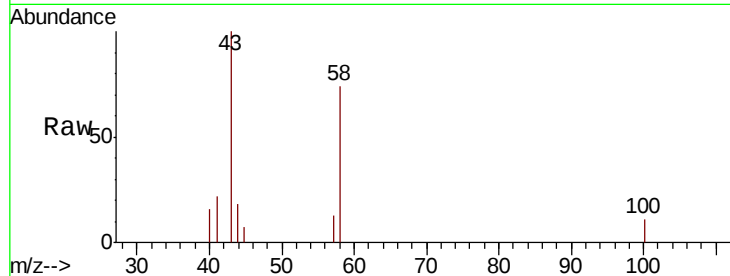
ClientSampleId :

Tot Ion: 43 Resp: 1225

Ion Ratio Lower Upper

43 100

58 56.0 29.8 89.3



#62

4-Bromofluorobenzene

Concen: 48.583 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY002300.D

Acq: 14 Apr 2020 11:55

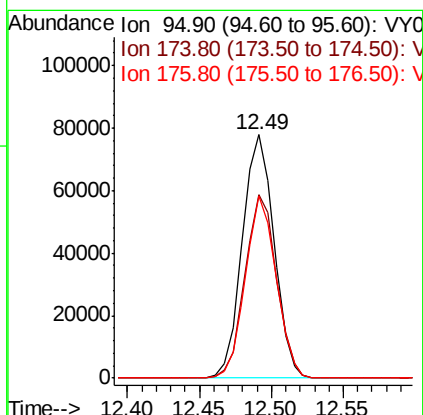
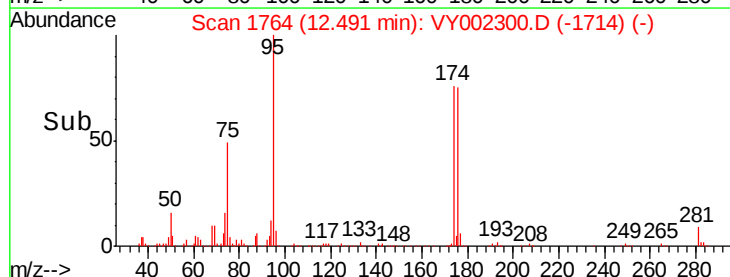
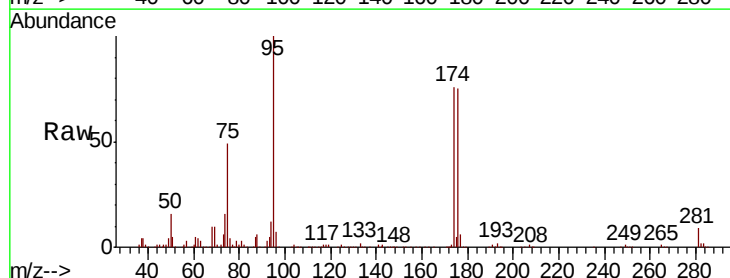
Tgt Ion: 95 Resp: 118853

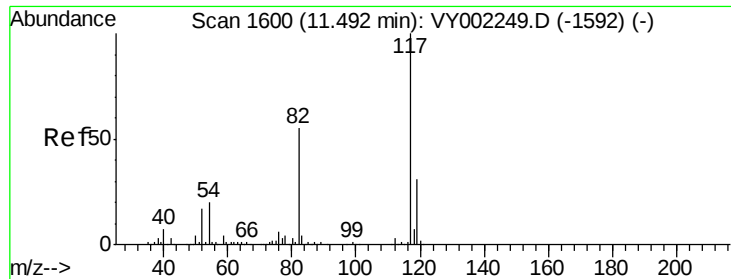
Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.6

176 72.5 0.0 141.4

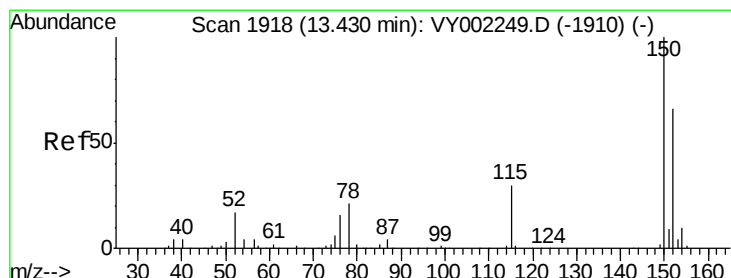
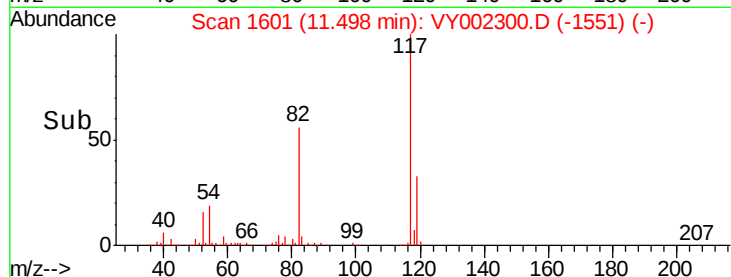
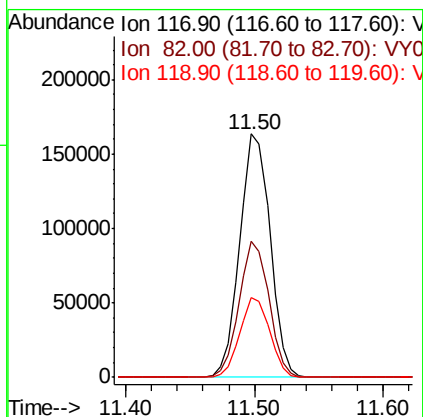
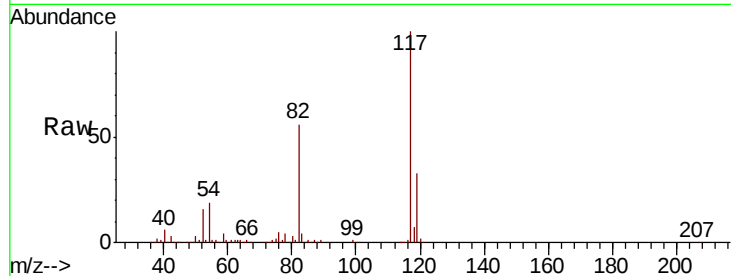




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002300.D
Acq: 14 Apr 2020 11:55

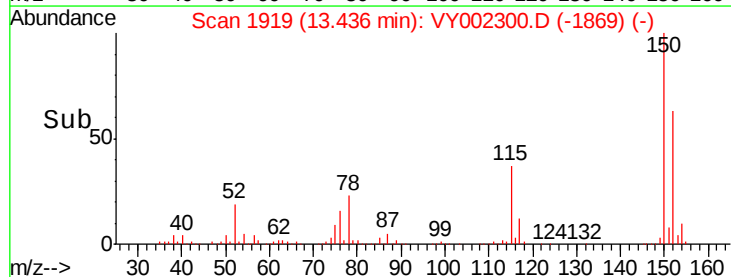
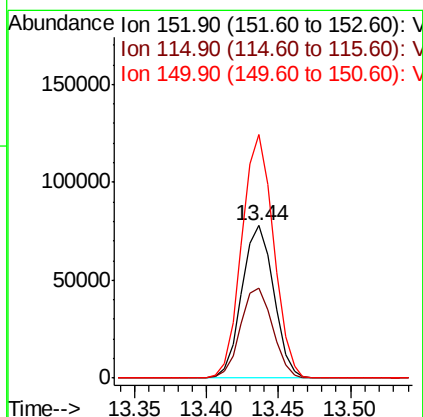
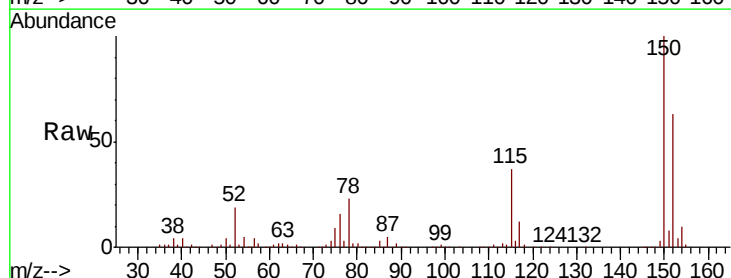
Instrument :
MSVOA_Y
ClientSampled :

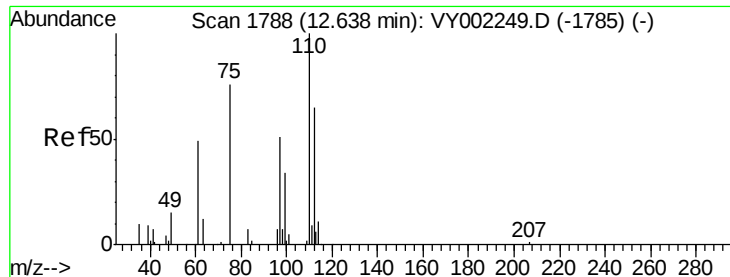
Tot Ion:117 Resp: 267209
Ion Ratio Lower Upper
117 100
82 55.8 44.2 66.4
119 32.9 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY002300.D
Acq: 14 Apr 2020 11:55

Tgt Ion:152 Resp: 119443
Ion Ratio Lower Upper
152 100
115 59.6 30.7 92.1
150 159.1 0.0 350.6





#76

1,2,3-Trichloropropane

Concen: 40.704 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002300.D

Acq: 14 Apr 2020 11:55

Instrument :

MSVOA_Y

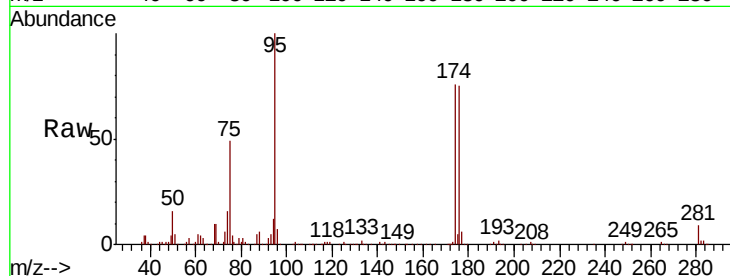
ClientSampleId :

Tot Ion: 75 Resp: 56457

Ion Ratio Lower Upper

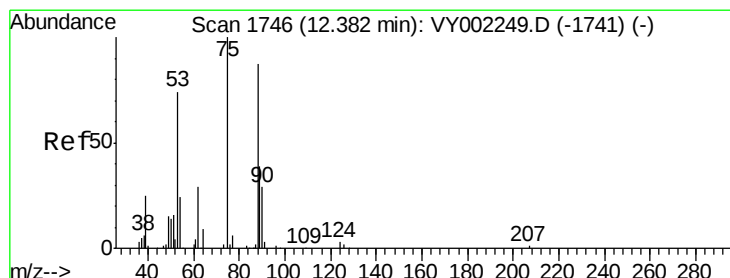
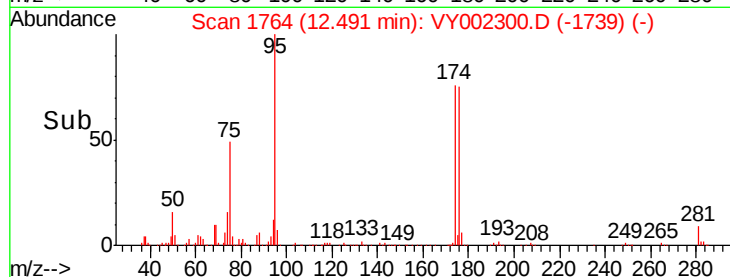
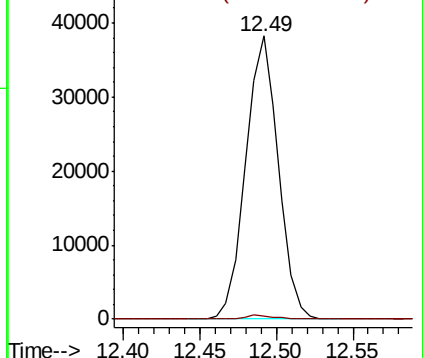
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#81

trans-1,4-Dichloro-2-butene

Concen: 79.170 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.11 min

Lab File: VY002300.D

Acq: 14 Apr 2020 11:55

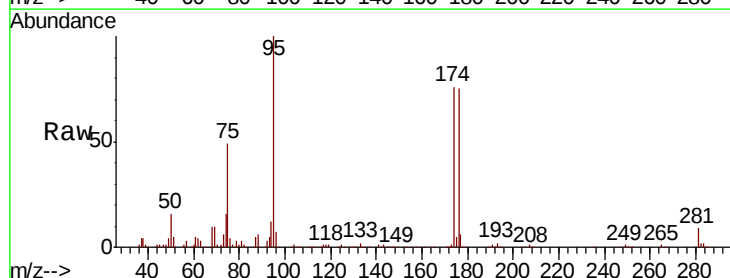
Tgt Ion: 75 Resp: 56457

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

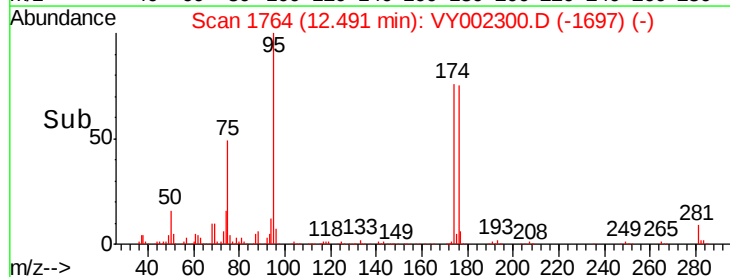
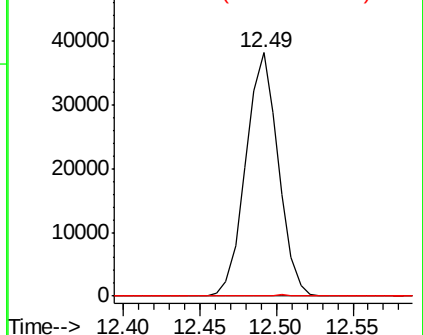
89 0.3 37.0 55.6#

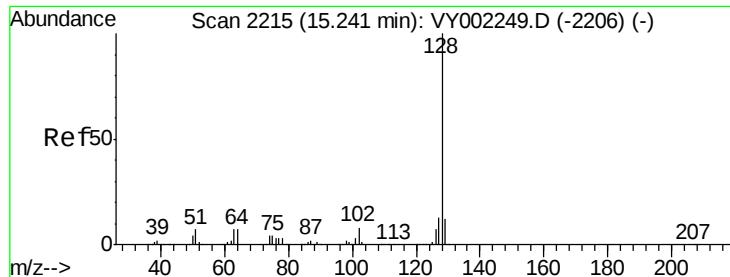


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#95

Naphthalene

Concen: 1.172 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VY002300.D

Acq: 14 Apr 2020 11:55

Instrument :

MSVOA_Y

ClientSampleId :

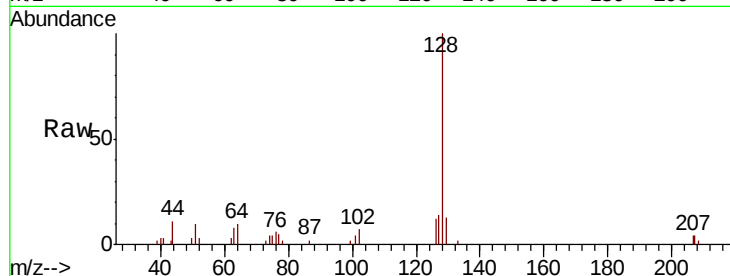
Tot Ion:128 Resp: 6098

Ion Ratio Lower Upper

128 100

127 13.9 10.1 15.1

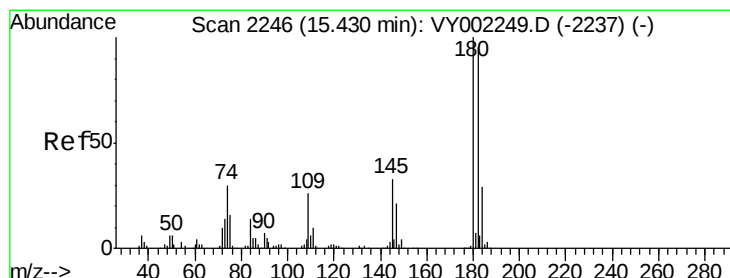
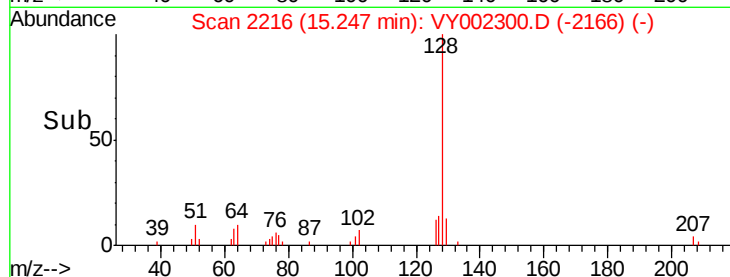
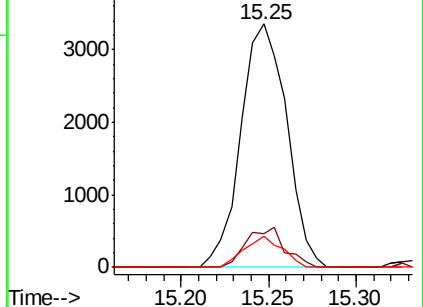
129 10.6 8.7 13.1



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: 1.100 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VY002300.D

Acq: 14 Apr 2020 11:55

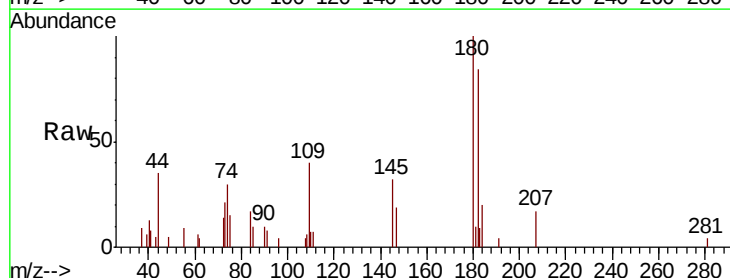
Tgt Ion:180 Resp: 2270

Ion Ratio Lower Upper

180 100

182 97.3 47.1 141.3

145 32.7 16.7 50.1



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

