

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY100919\
 Data File : VY000237.D
 Acq On : 09 Oct 2019 12:21
 Operator : SY/MD
 Sample : VY1009WBL01
 Misc : 5.0ml/MSVOA_Y/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1009WBL01

Quant Time: Oct 10 01:43:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 09:24:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	310646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	514947	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	449670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	203793	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	182593	45.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.40%	
35) Dibromofluoromethane	7.73	113	147828	46.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.14%	
50) Toluene-d8	10.19	98	567925	45.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.12%	
62) 4-Bromofluorobenzene	12.48	95	194049	43.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.24%	

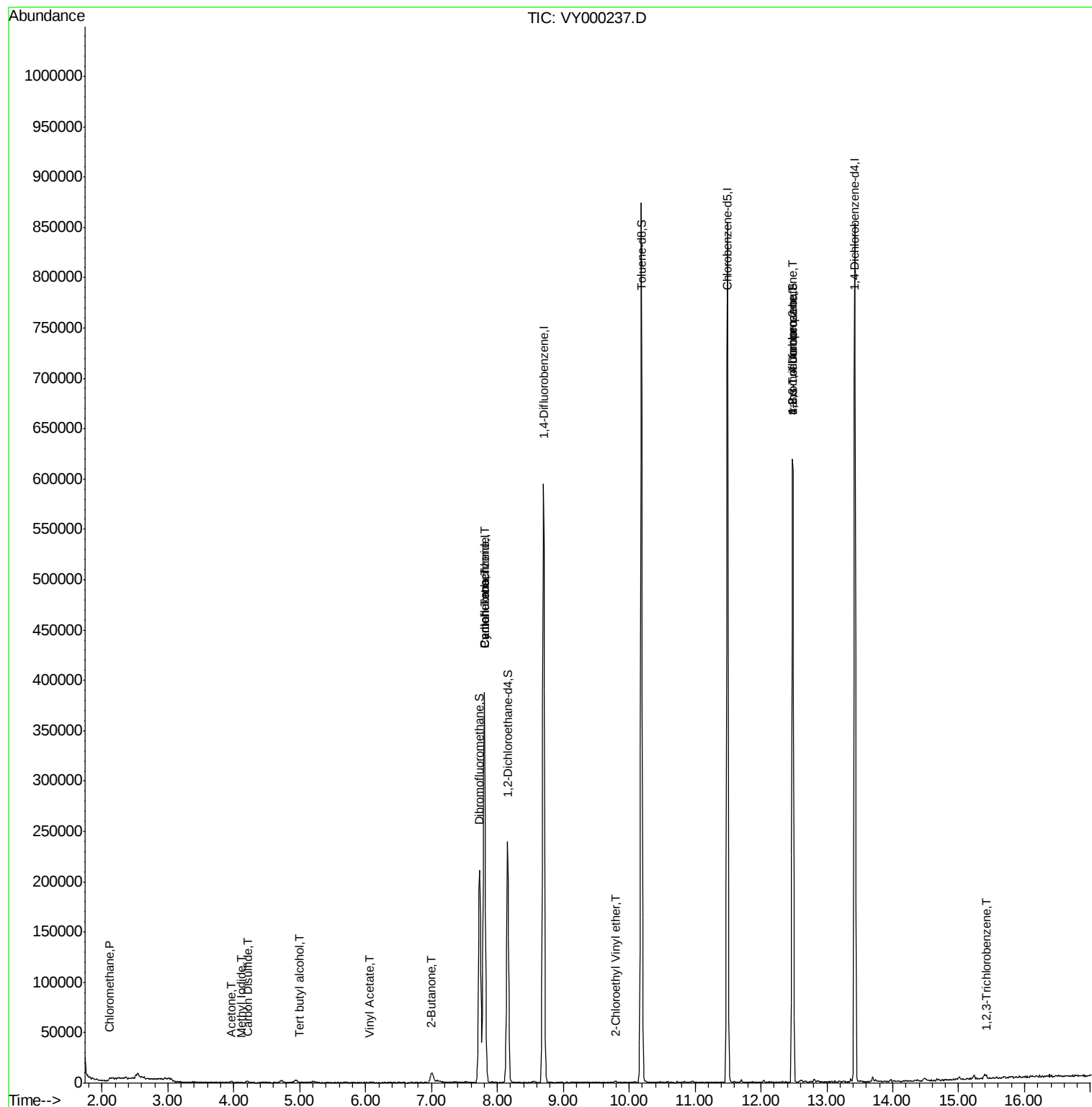
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	989	0.234	ug/l #	52
10) Methyl Iodide	4.12	142	169	0.605	ug/l #	42
11) Tert butyl alcohol	4.99	59	561	0.258	ug/l #	93
16) Acetone	3.96	43	1201	0.380	ug/l #	78
17) Carbon Disulfide	4.21	76	2563	0.255	ug/l #	79
23) Vinyl Acetate	6.07	43	882	2.373	ug/l #	72
25) 2-Butanone	7.00	43	1428	0.244	ug/l #	89
31) Cyclohexane	7.80	56	6552	0.954	ug/l #	31
38) Carbon Tetrachloride	7.80	117	29645	5.805	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.78	63	661	0.210	ug/l	98
59) 2-Hexanone	10.84	43	969	Below Cal		96
76) 1,2,3-Trichloropropane	12.48	75	100887	18.750	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	100887	36.615	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.34	75	58	Below Cal	#	1
96) 1,2,3-Trichlorobenzene	15.42	180	1007	0.208	ug/l	67

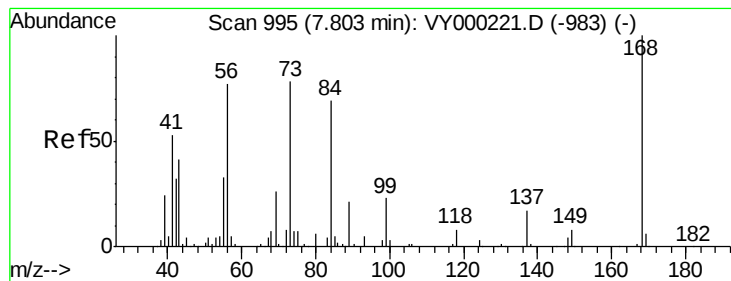
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 09 09:24:50 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000237.D

Acq: 09 Oct 2019 12:21

Instrument :

MSVOA_Y

ClientSampleId :

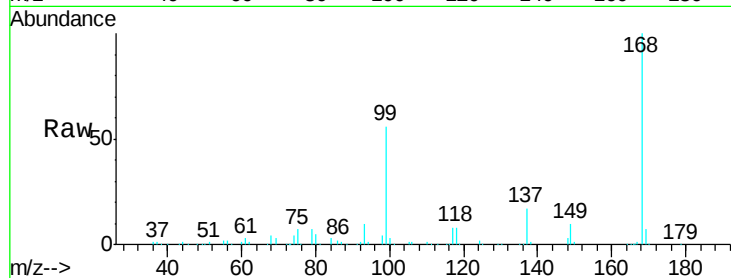
VY1009WBL01

Tgt Ion:168 Resp: 310646

Ion Ratio Lower Upper

168 100

99 56.1 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000221.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY000221.D (-983) (-)

7.80

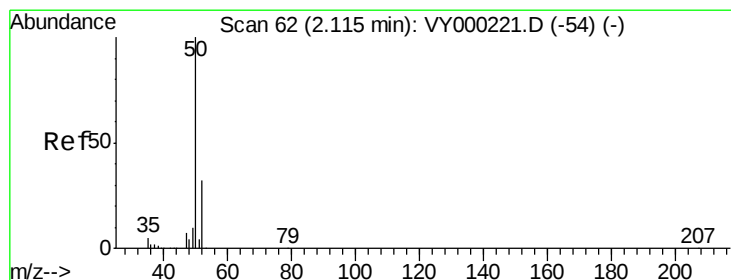
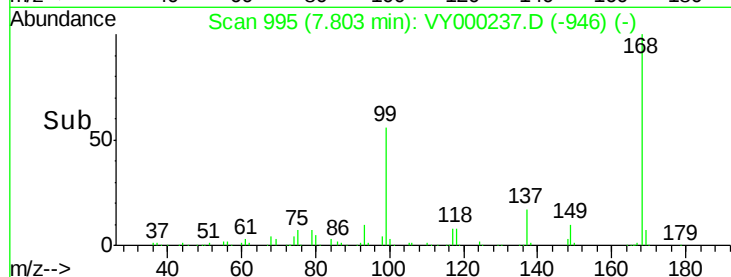
150000

100000

50000

0

Time--> 7.70 7.80 7.90



#3

Chloromethane

Concen: 0.234 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000237.D

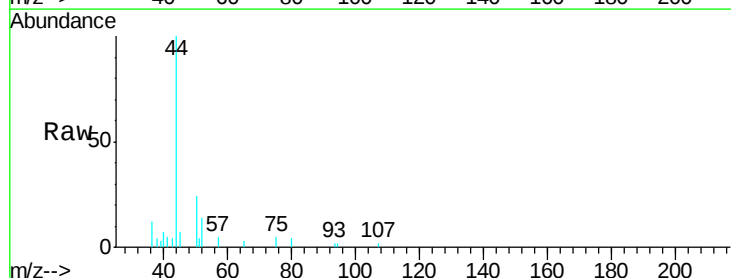
Acq: 09 Oct 2019 12:21

Tgt Ion: 50 Resp: 989

Ion Ratio Lower Upper

50 100

52 58.6 25.4 38.0#



Abundance Ion 49.90 (49.60 to 50.60): VY000221.D (-54) (-)

Ion 51.90 (51.60 to 52.60): VY000221.D (-54) (-)

2.11

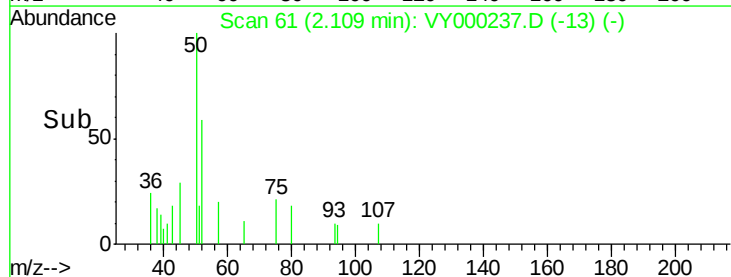
600

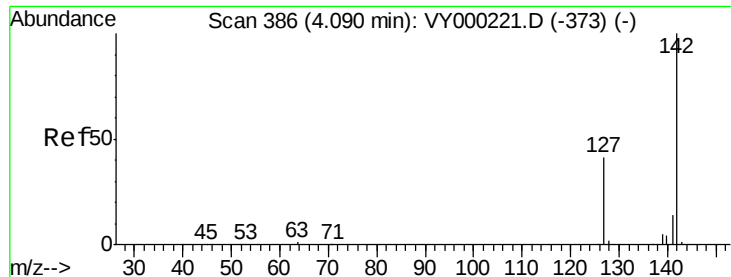
400

200

0

Time--> 2.05 2.10 2.15

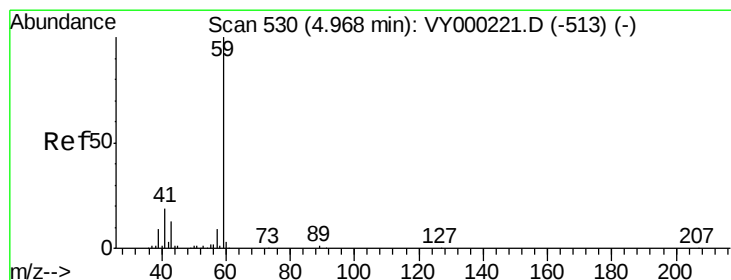
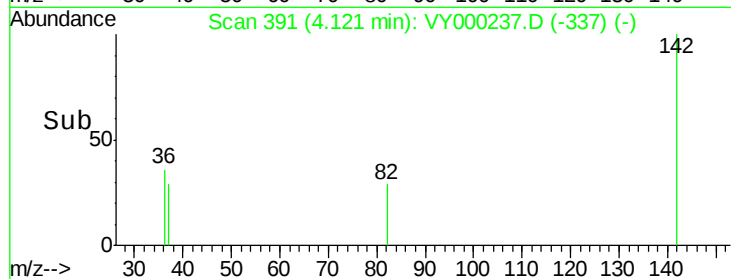
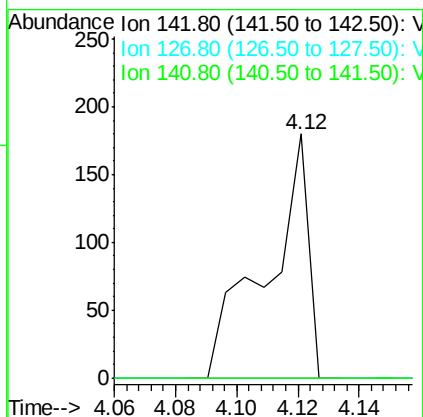
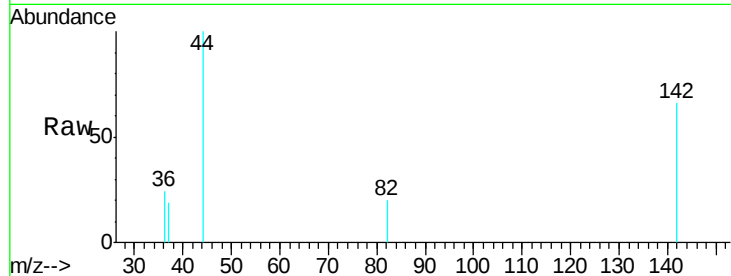




#10
Methyl Iodide
Concen: 0.605 ug/l
RT: 4.12 min Scan# 391
Delta R.T. 0.03 min
Lab File: VY000237.D
Acq: 09 Oct 2019 12:21

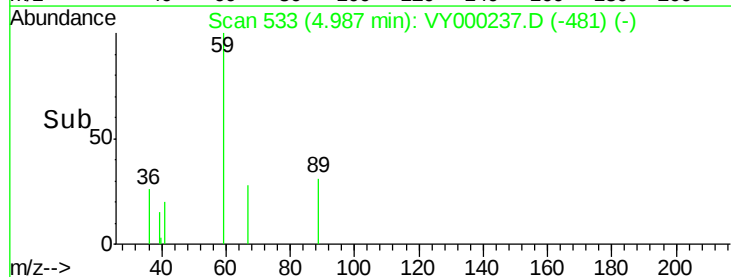
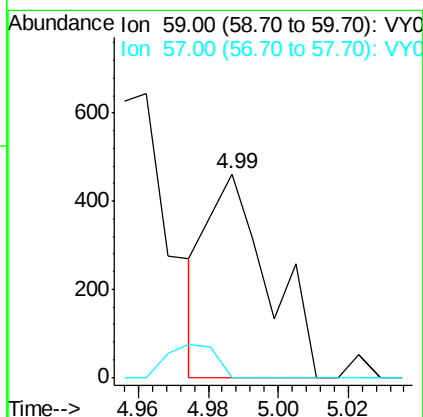
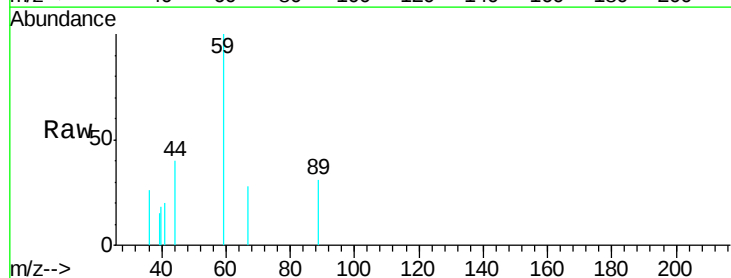
Instrument :
MSVOA_Y
ClientSampleId :
VY1009WBL01

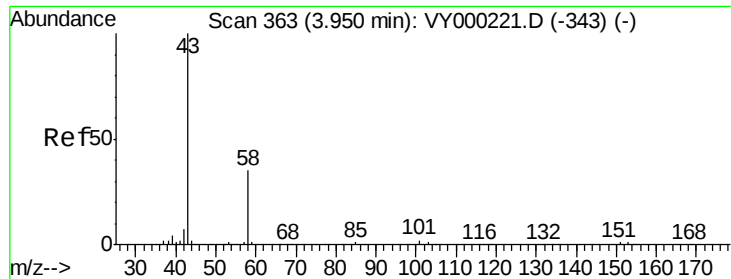
Tgt Ion: 142 Resp: 169
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.6#
141 0.0 11.0 16.4#



#11
Tert butyl alcohol
Concen: 0.258 ug/l
RT: 4.99 min Scan# 533
Delta R.T. 0.02 min
Lab File: VY000237.D
Acq: 09 Oct 2019 12:21

Tgt Ion: 59 Resp: 561
Ion Ratio Lower Upper
59 100
57 12.7 8.0 12.0#





#16

Acetone

Concen: 0.380 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000237.D

Acq: 09 Oct 2019 12:21

Instrument :

MSVOA_Y

ClientSampleId :

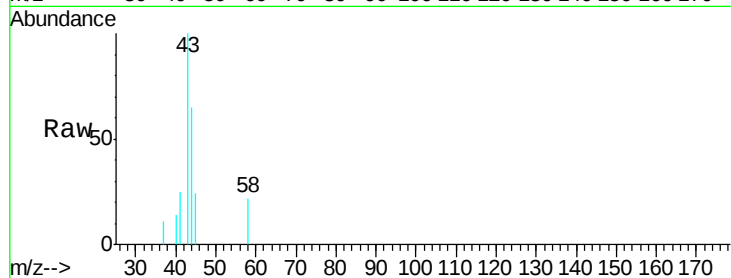
VY1009WBL01

Tgt Ion: 43 Resp: 1201

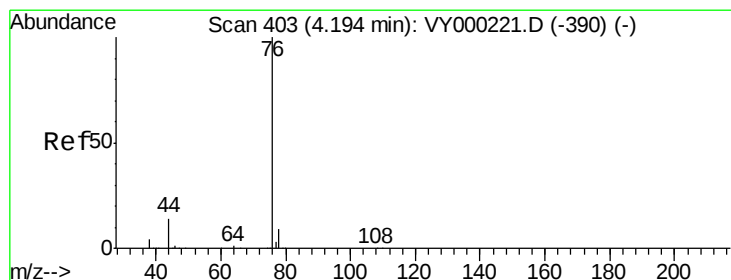
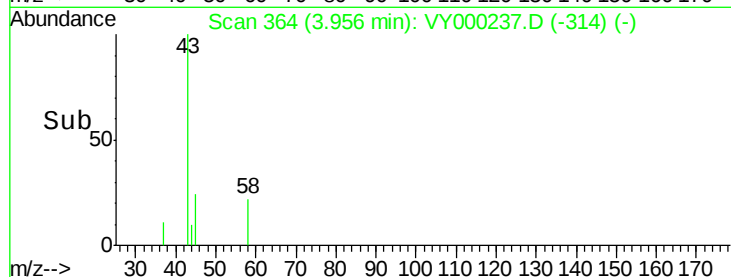
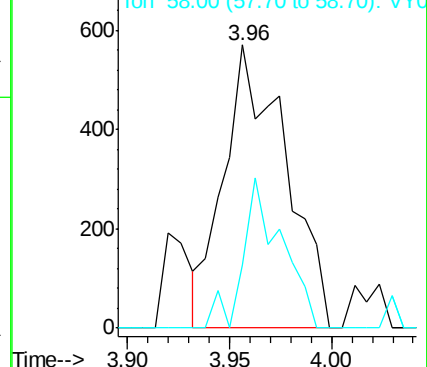
Ion Ratio Lower Upper

43 100

58 22.4 28.2 42.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0



#17

Carbon Disulfide

Concen: 0.255 ug/l

RT: 4.21 min Scan# 405

Delta R.T. 0.01 min

Lab File: VY000237.D

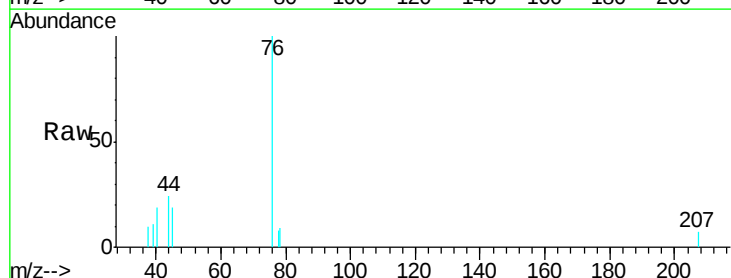
Acq: 09 Oct 2019 12:21

Tgt Ion: 76 Resp: 2563

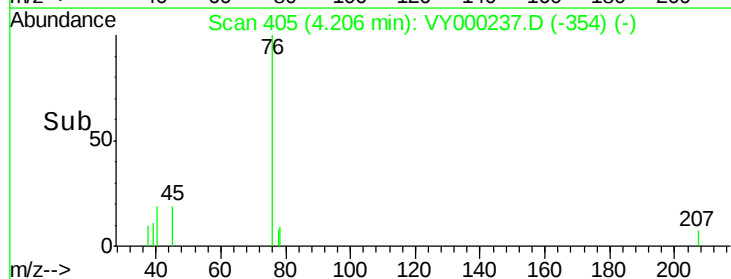
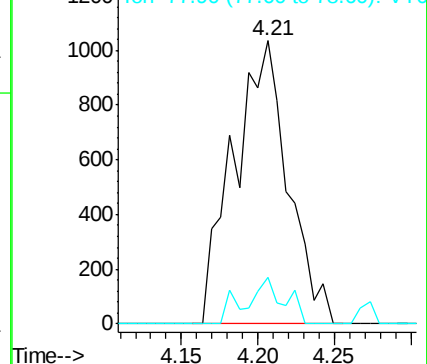
Ion Ratio Lower Upper

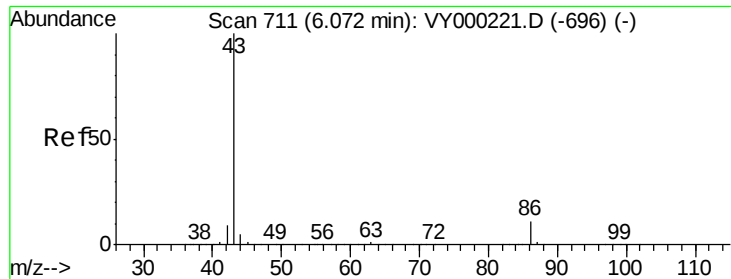
76 100

78 16.5 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VY0

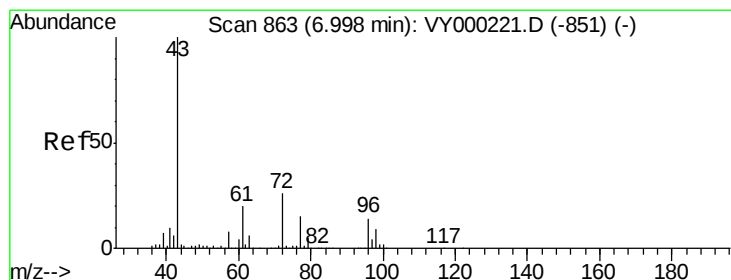
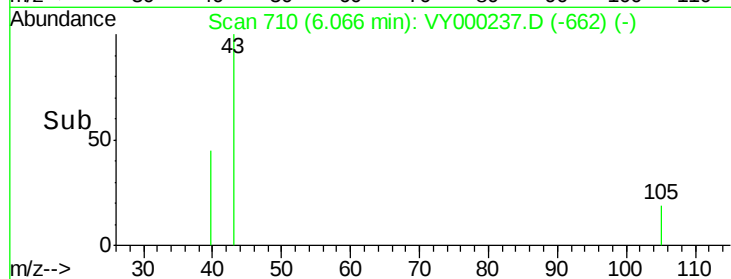
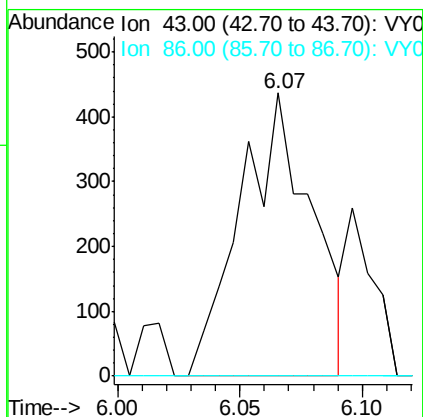
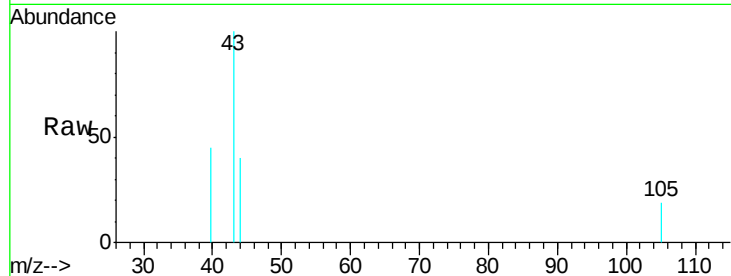




#23
 Vinyl Acetate
 Concen: 2.373 ug/l
 RT: 6.07 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: VY000237.D
 Acq: 09 Oct 2019 12:21

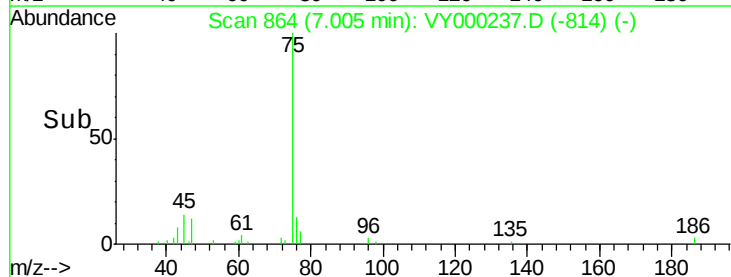
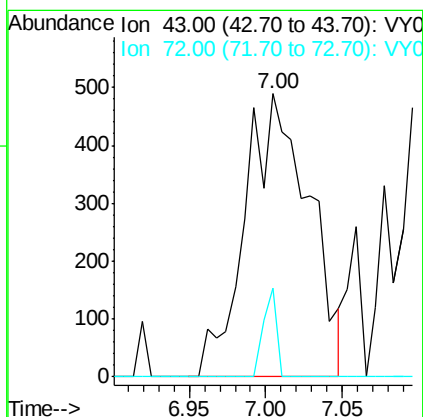
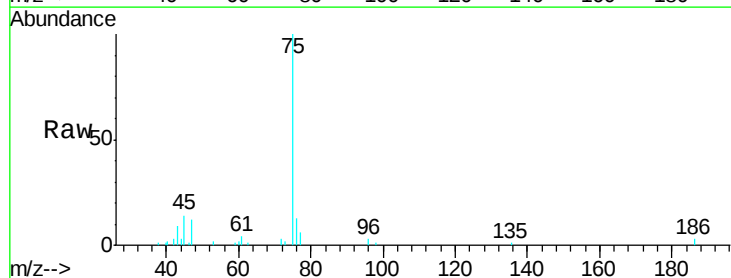
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1009WBL01

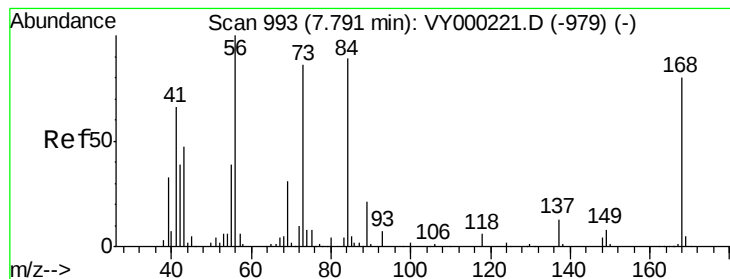
Tgt Ion: 43 Resp: 882
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.5 12.7#



#25
 2-Butanone
 Concen: 0.244 ug/l
 RT: 7.00 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VY000237.D
 Acq: 09 Oct 2019 12:21

Tgt Ion: 43 Resp: 1428
 Ion Ratio Lower Upper
 43 100
 72 31.3 20.6 31.0#





#31

Cyclohexane

Concen: 0.954 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY000237.D

Acq: 09 Oct 2019 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1009WBL01

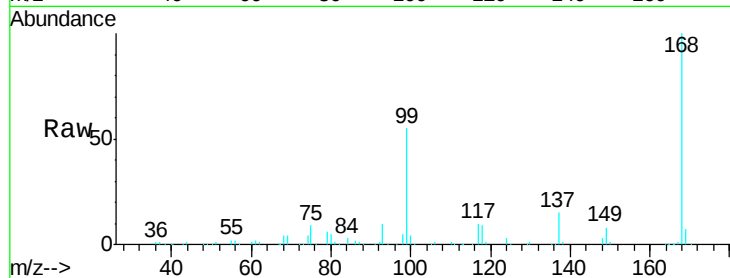
Tgt Ion: 56 Resp: 6552

Ion Ratio Lower Upper

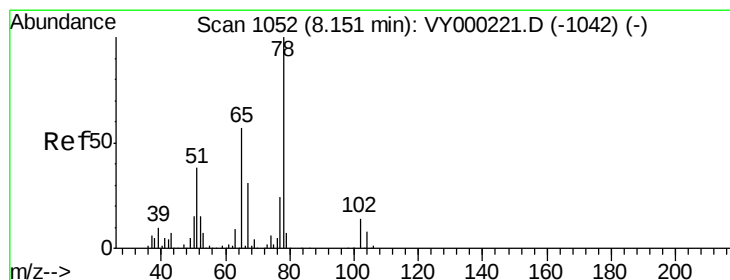
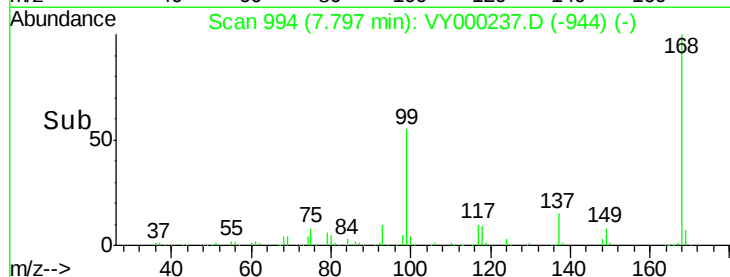
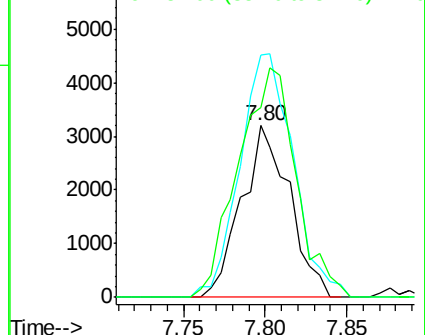
56 100

69 141.2 24.7 37.1#

84 111.1 71.3 106.9#



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: 45.701 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VY000237.D

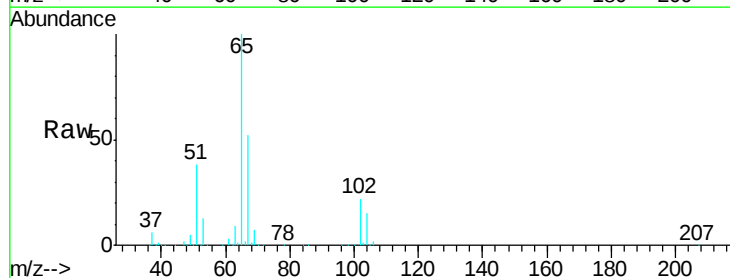
Acq: 09 Oct 2019 12:21

Tgt Ion: 65 Resp: 182593

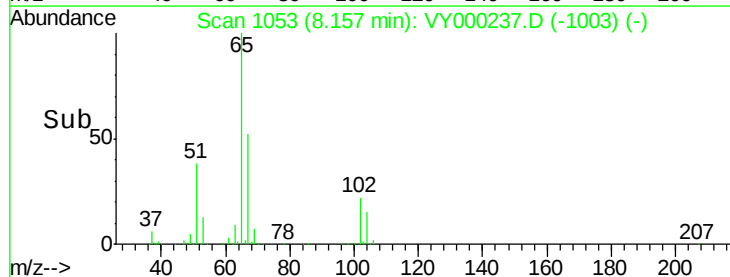
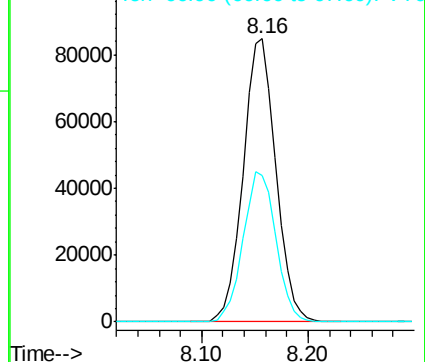
Ion Ratio Lower Upper

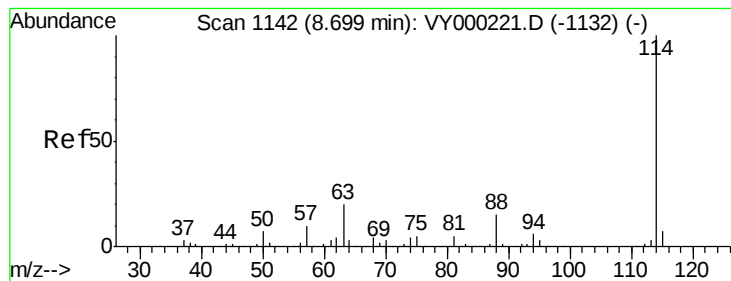
65 100

67 53.6 0.0 109.0



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: 8.70 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VY000237.D

Acq: 09 Oct 2019 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1009WBL01

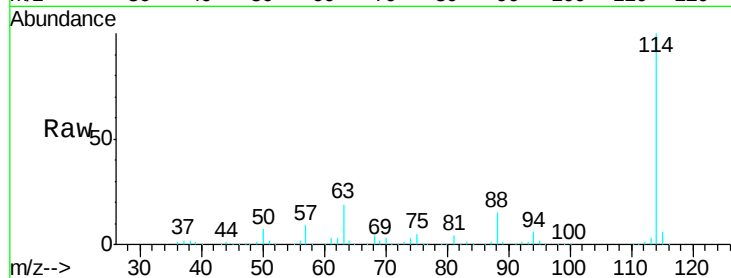
Tgt Ion:114 Resp: 514947

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.0

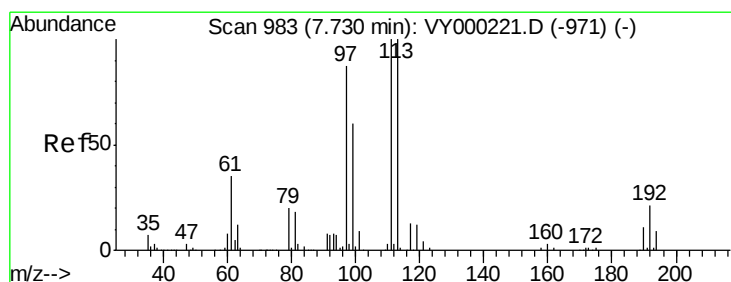
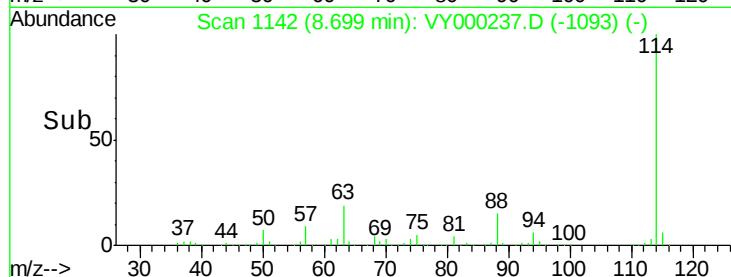
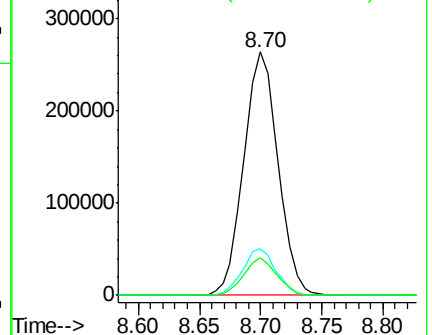
88 15.5 0.0 30.6



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: 46.074 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000237.D

Acq: 09 Oct 2019 12:21

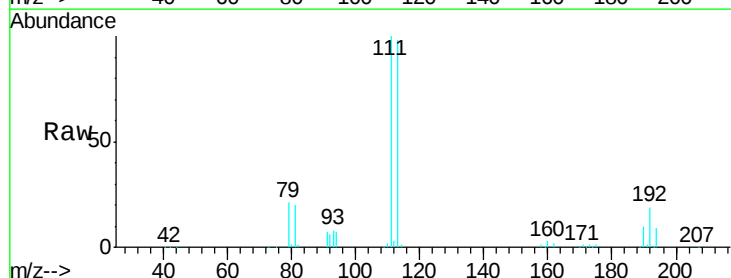
Tgt Ion:113 Resp: 147828

Ion Ratio Lower Upper

113 100

111 103.4 82.6 124.0

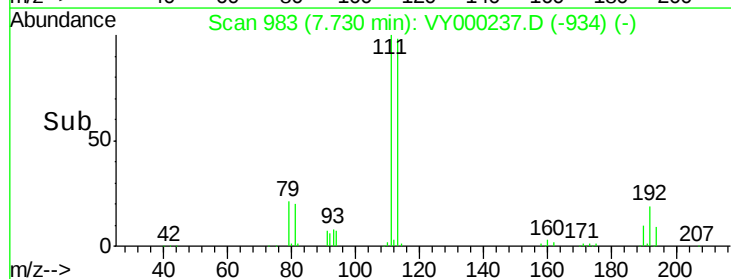
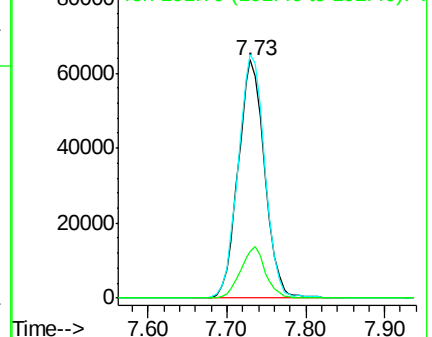
192 20.0 15.8 23.8

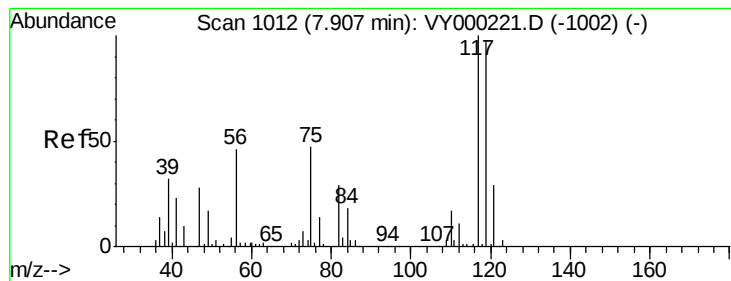


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 5.805 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY000237.D

Acq: 09 Oct 2019 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1009WBL01

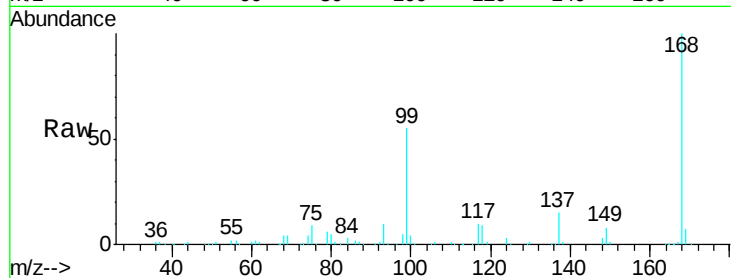
Tgt Ion:117 Resp: 29645

Ion Ratio Lower Upper

117 100

119 6.0 77.2 115.8#

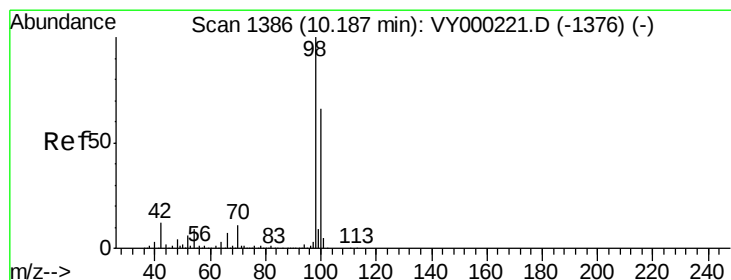
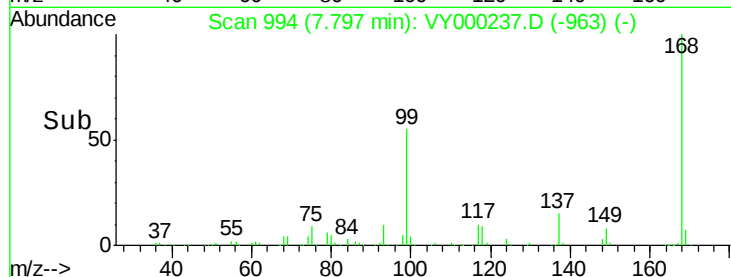
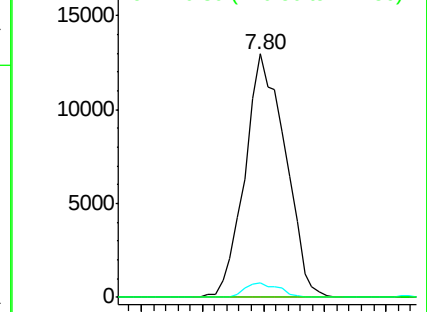
121 0.0 23.1 34.7#



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



#50

Toluene-d8

Concen: 45.061 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY000237.D

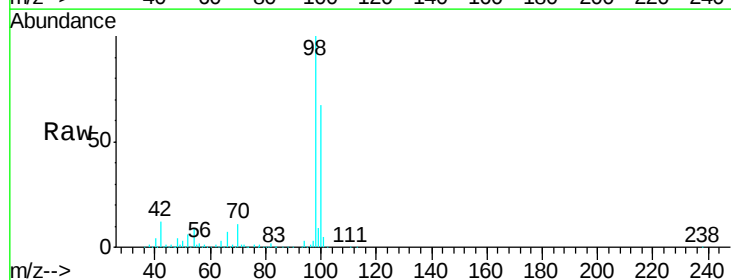
Acq: 09 Oct 2019 12:21

Tgt Ion: 98 Resp: 567925

Ion Ratio Lower Upper

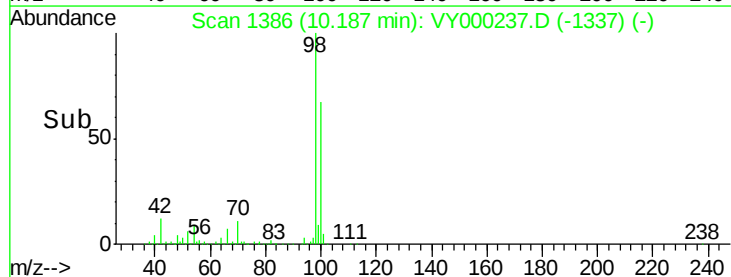
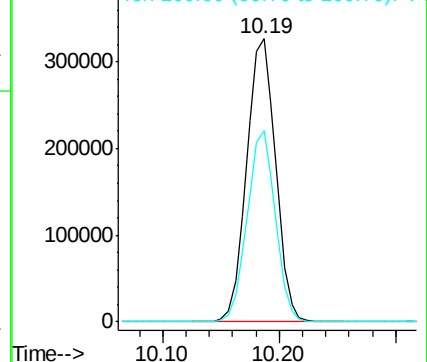
98 100

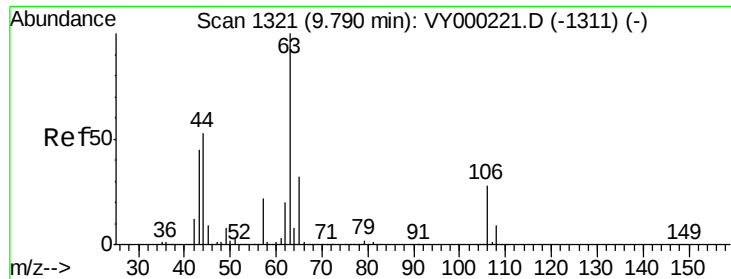
100 65.9 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

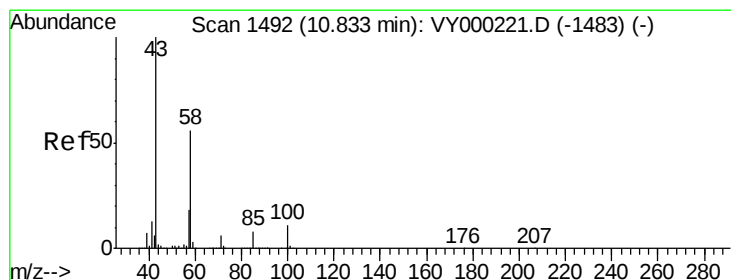
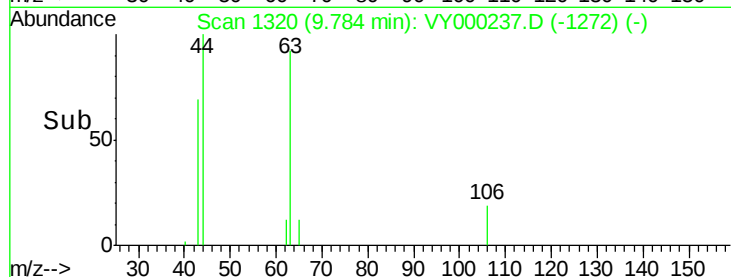
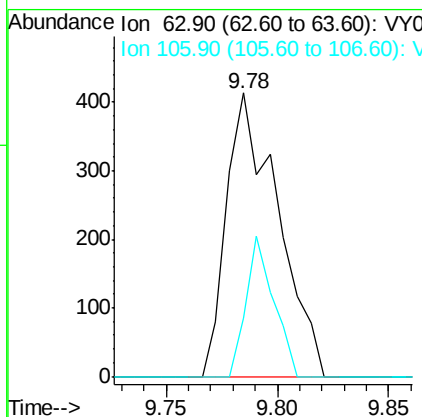
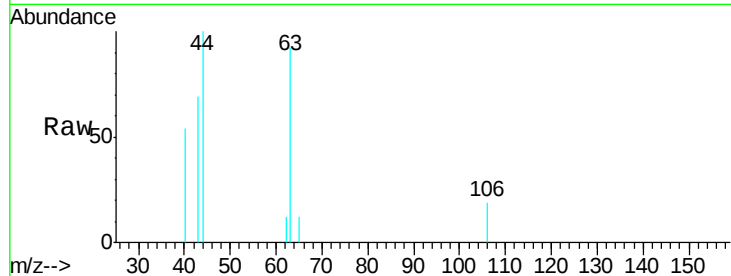




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.210 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VY000237.D
 Acq: 09 Oct 2019 12:21

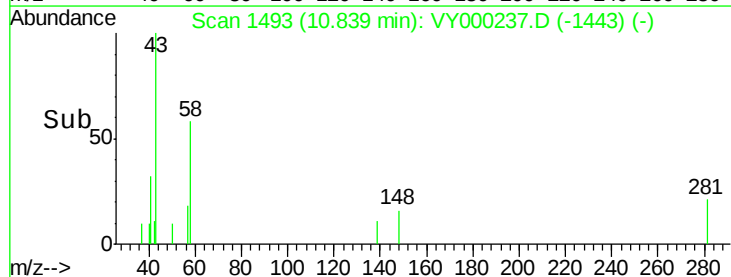
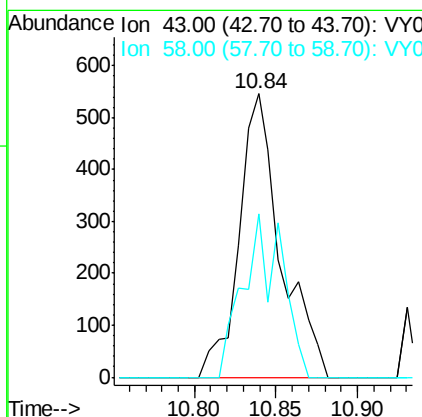
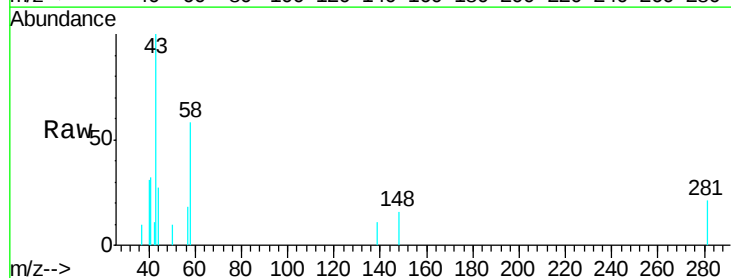
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1009WBL01

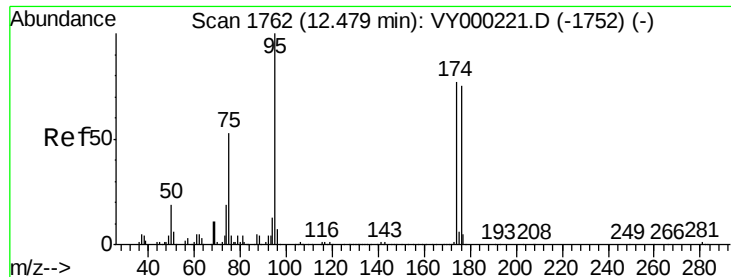
Tgt Ion: 63 Resp: 661
 Ion Ratio Lower Upper
 63 100
 106 26.9 22.6 33.8



#59
 2-Hexanone
 Concen: Below Cal
 RT: 10.84 min Scan# 1493
 Delta R.T. 0.01 min
 Lab File: VY000237.D
 Acq: 09 Oct 2019 12:21

Tgt Ion: 43 Resp: 969
 Ion Ratio Lower Upper
 43 100
 58 53.6 28.2 84.6





#62

4-Bromofluorobenzene

Concen: 43.624 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000237.D

Acq: 09 Oct 2019 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1009WBL01

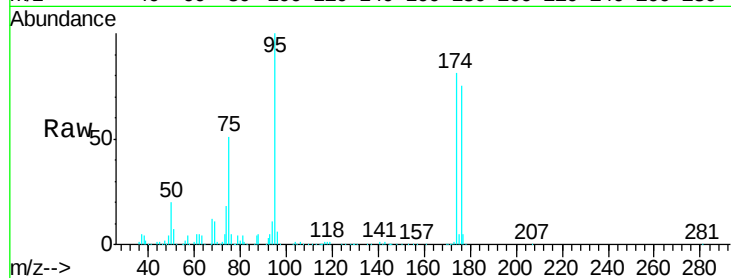
Tgt Ion: 95 Resp: 194049

Ion Ratio Lower Upper

95 100

174 83.9 0.0 157.0

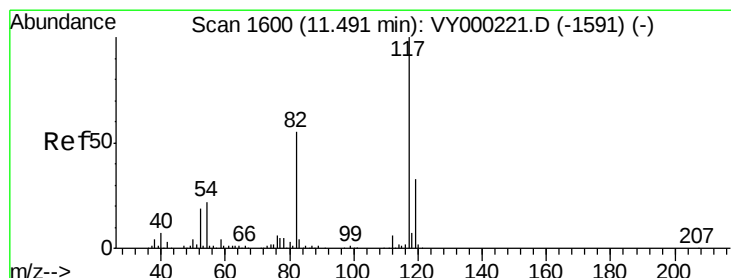
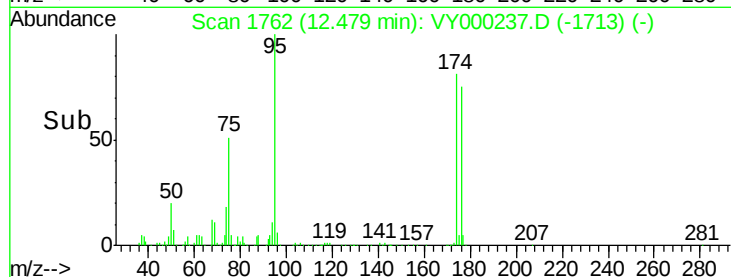
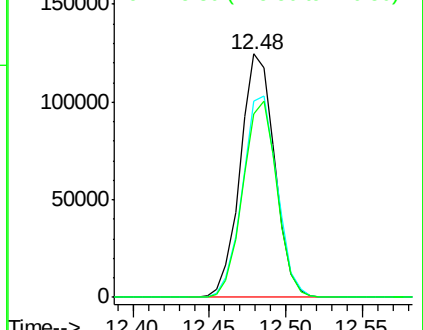
176 79.9 0.0 153.0



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY000237.D

Acq: 09 Oct 2019 12:21

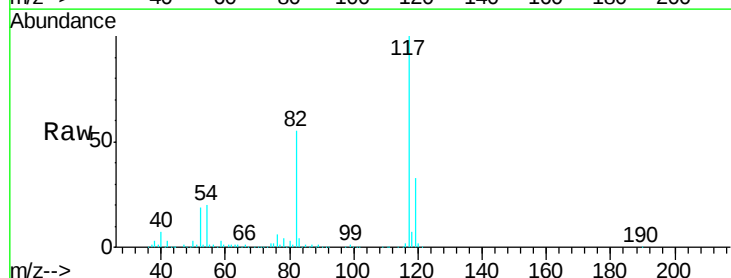
Tgt Ion: 117 Resp: 449670

Ion Ratio Lower Upper

117 100

82 54.9 44.4 66.6

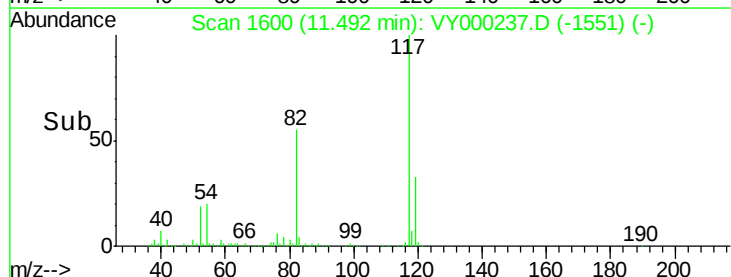
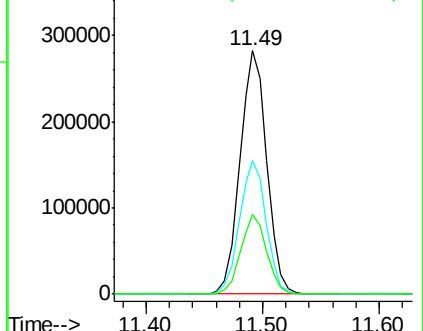
119 32.8 26.2 39.2

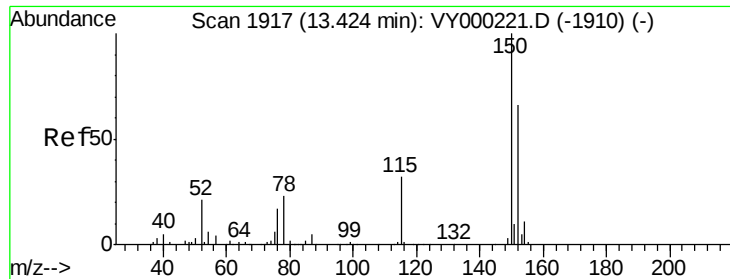


Abundance Ion 116.90 (116.60 to 117.60): VY0

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): 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: VY000237.D

Acq: 09 Oct 2019 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1009WBL01

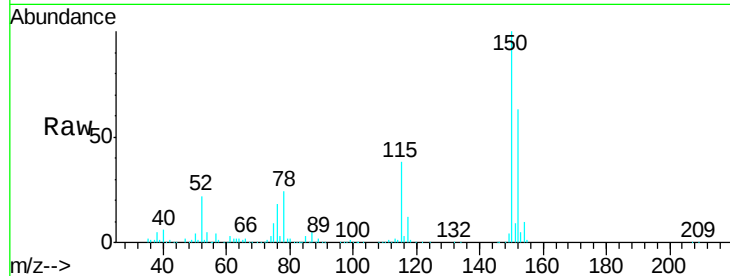
Tgt Ion:152 Resp: 203793

Ion Ratio Lower Upper

152 100

115 59.6 29.3 88.0

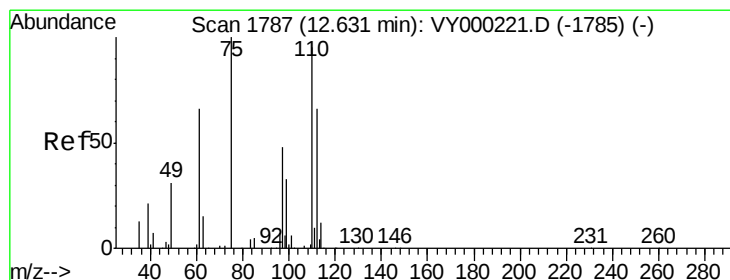
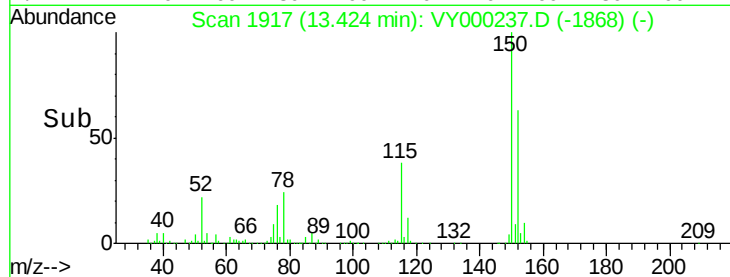
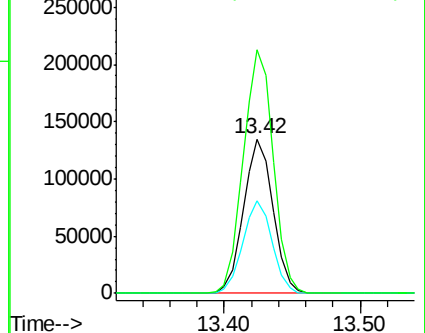
150 160.3 0.0 349.6



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



#76

1,2,3-Trichloropropane

Concen: 18.750 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000237.D

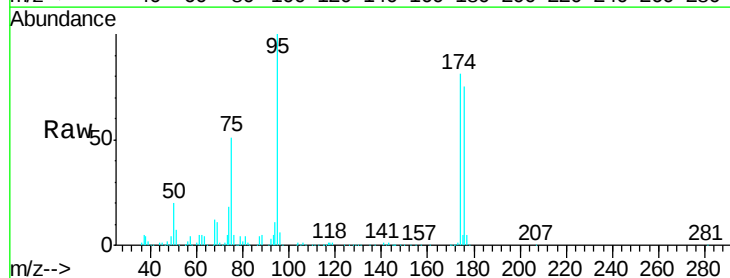
Acq: 09 Oct 2019 12:21

Tgt Ion: 75 Resp: 100887

Ion Ratio Lower Upper

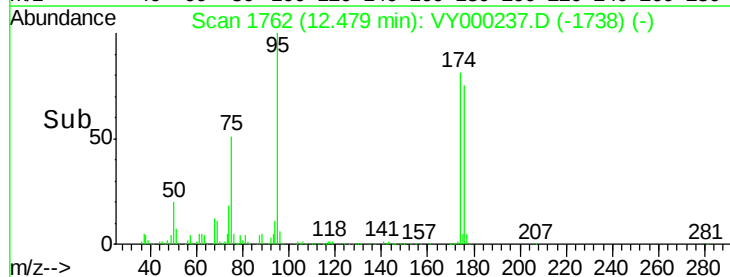
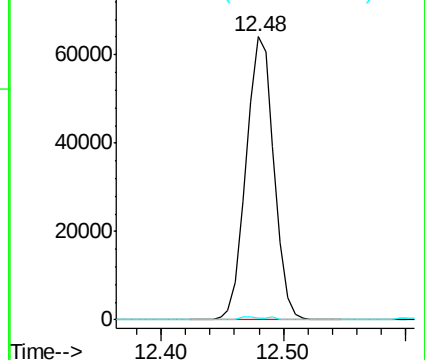
75 100

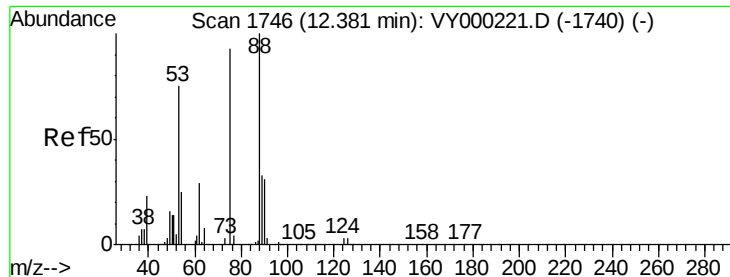
77 1.2 0.0 0.0#



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: 36.615 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000237.D

Acq: 09 Oct 2019 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1009WBL01

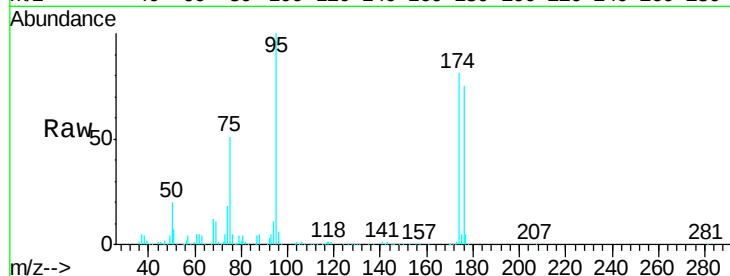
Tgt Ion: 75 Resp: 100887

Ion Ratio Lower Upper

75 100

53 0.0 66.5 99.7#

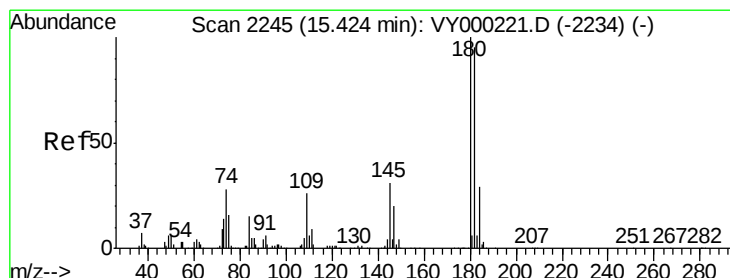
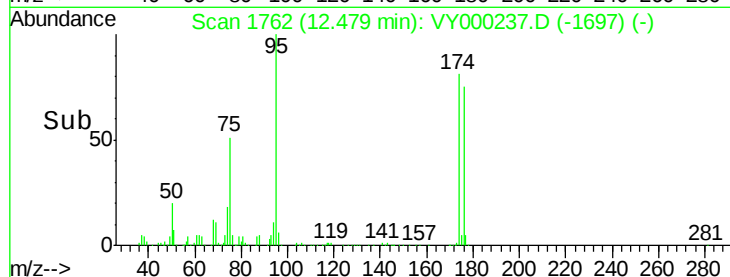
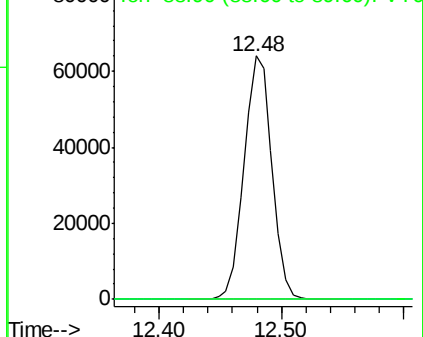
89 0.1 46.9 70.3#



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



#96

1,2,3-Trichlorobenzene

Concen: 0.208 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY000237.D

Acq: 09 Oct 2019 12:21

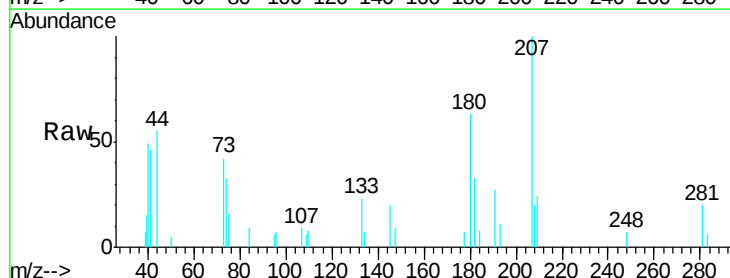
Tgt Ion: 180 Resp: 1007

Ion Ratio Lower Upper

180 100

182 54.5 47.9 143.7

145 28.4 16.3 48.9



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

