

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
 Data File : VY002233.D
 Acq On : 06 Apr 2020 13:47
 Operator : SY/MD
 Sample : L2166-01
 Misc : 6.12G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 07 04:24:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

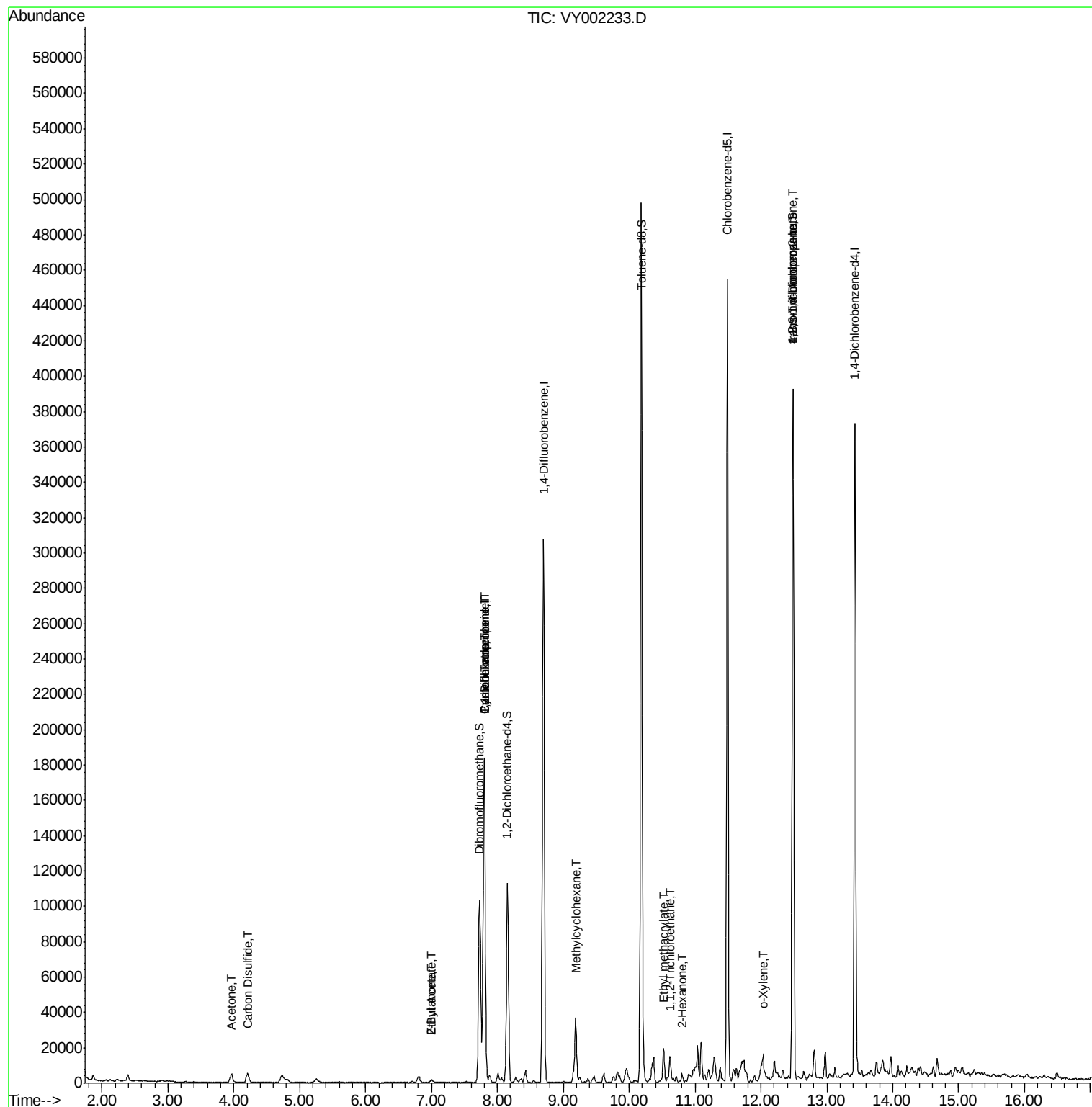
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	132644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	261272	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	235892	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	90202	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	84580	57.68	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	115.36%	
35) Dibromofluoromethane	7.73	113	74875	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
50) Toluene-d8	10.18	98	316846	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
62) 4-Bromofluorobenzene	12.49	95	103124	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
Target Compounds						
					Qvalue	
16) Acetone	3.97	43	8023	19.475	ug/l	96
17) Carbon Disulfide	4.21	76	9491	1.987	ug/l	95
20) Methylene Chloride	4.74	84	2417	Below Cal	#	85
25) 2-Butanone	7.00	43	2275	3.596	ug/l #	79
31) Cyclohexane	7.80	56	8619	2.821	ug/l #	49
36) 1,1-Dichloropropene	7.80	75	11344	4.590	ug/l #	50
37) Ethyl Acetate	7.00	43	2275	1.523	ug/l #	68
38) Carbon Tetrachloride	7.80	117	13869	6.615	ug/l #	17
39) Methylcyclohexane	9.19	83	15320	4.726	ug/l	96
55) 1,1,2-Trichloroethane	10.62	97	5599	3.952	ug/l #	21
56) Ethyl methacrylate	10.52	69	2359	1.140	ug/l #	35
59) 2-Hexanone	10.81	43	2392	2.379	ug/l #	23
69) o-Xylene	12.03	106	3339	1.126	ug/l	96
76) 1,2,3-Trichloropropane	12.49	75	53724	53.245	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	53724	103.155	ug/l #	18

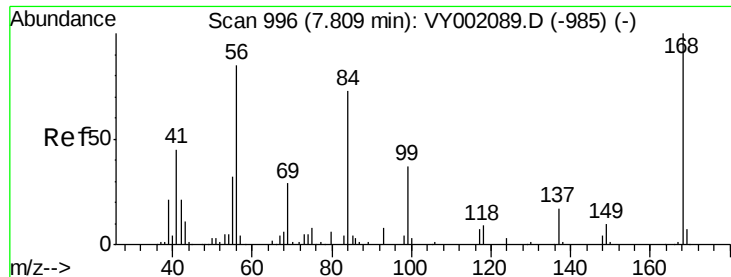
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002233.D

Acq: 06 Apr 2020 13:47

Instrument :

MSVOA_Y

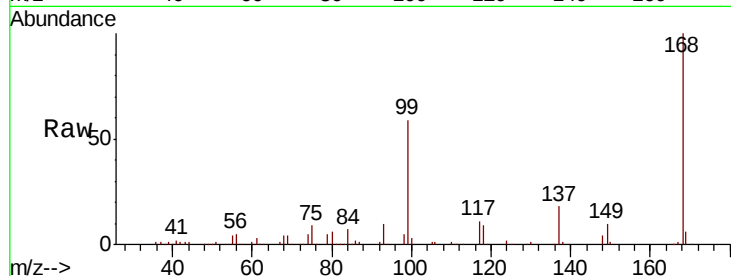
ClientSampleId :

Tot Ion:168 Resp: 132644

Ion Ratio Lower Upper

168 100

99 58.8 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002233.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002233.D (-947) (-)

7.80

60000

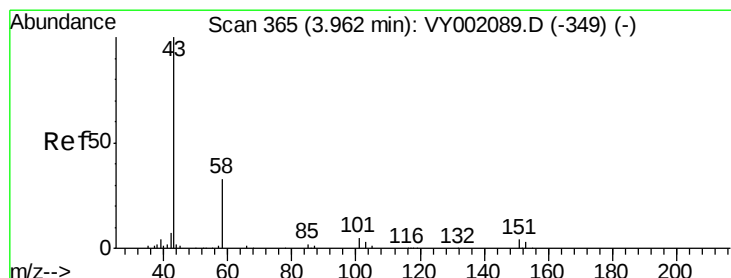
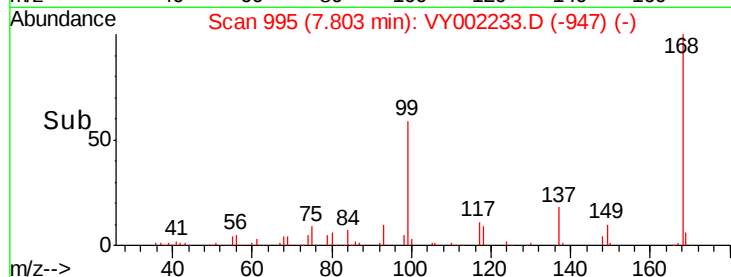
40000

20000

0

7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 19.475 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY002233.D

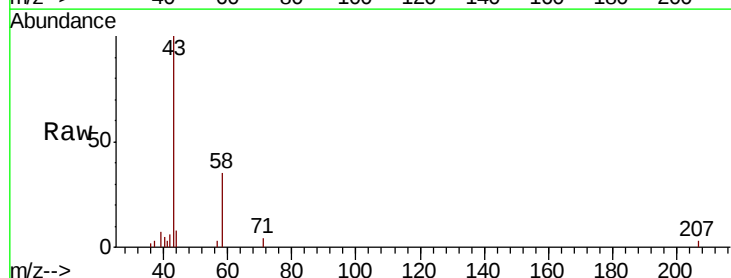
Acq: 06 Apr 2020 13:47

Tgt Ion: 43 Resp: 8023

Ion Ratio Lower Upper

43 100

58 35.4 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VY002233.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VY002233.D (-316) (-)

3.97

3000

2500

2000

1500

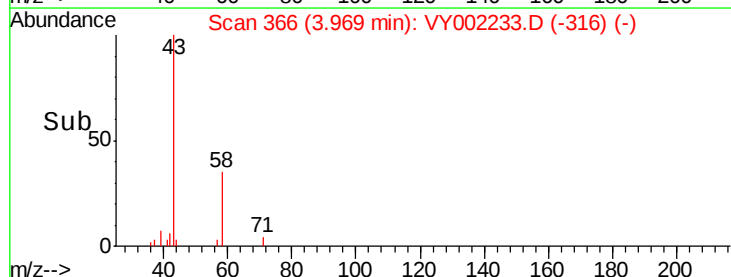
1000

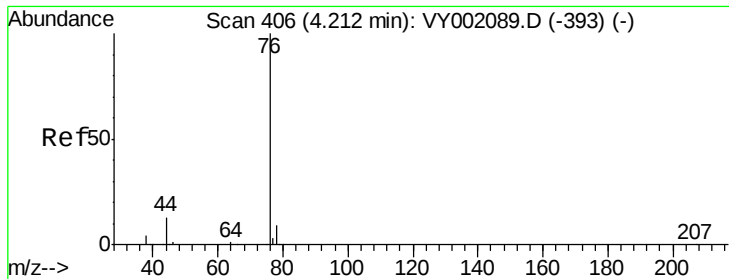
500

0

3.90 4.00 4.10

Time-->





#17

Carbon Disulfide

Concen: 1.987 ug/l

RT: 4.21 min Scan# 405

Delta R.T. -0.01 min

Lab File: VY002233.D

Acq: 06 Apr 2020 13:47

Instrument :

MSVOA_Y

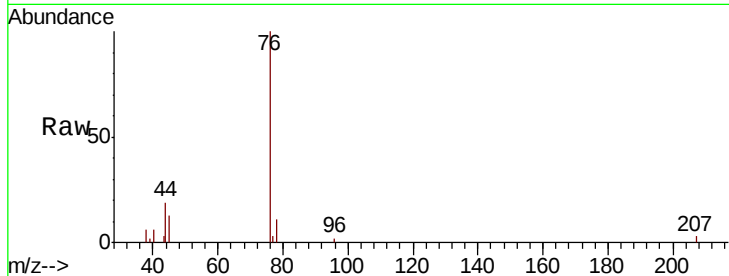
ClientSampleId :

Tot Ion: 76 Resp: 9491

Ion Ratio Lower Upper

76 100

78 10.7 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VY002233.D (-393) (-)

Ion 77.90 (77.60 to 78.60): VY002233.D (-393) (-)

4.21

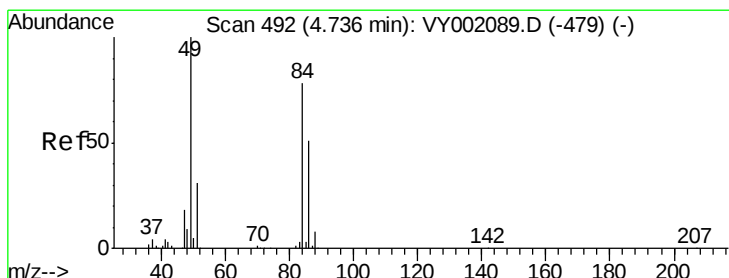
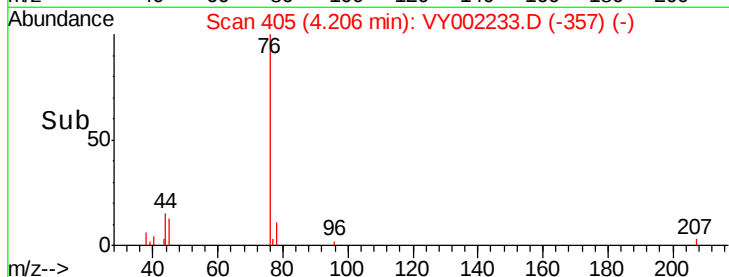
3000

2000

1000

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.74 min Scan# 492

Delta R.T. 0.00 min

Lab File: VY002233.D

Acq: 06 Apr 2020 13:47

Tgt Ion: 84 Resp: 2417

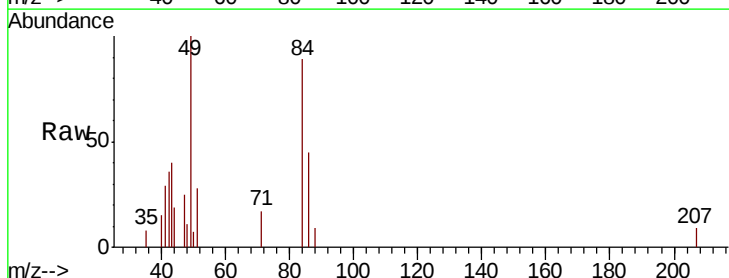
Ion Ratio Lower Upper

84 100

49 112.3 102.2 153.4

51 31.1 31.2 46.8#

86 50.1 52.6 78.8#



Abundance Ion 83.90 (83.60 to 84.60): VY002233.D (-479) (-)

Ion 48.90 (48.60 to 49.60): VY002233.D (-479) (-)

Ion 50.90 (50.60 to 51.60): VY002233.D (-479) (-)

Ion 85.90 (85.60 to 86.60): VY002233.D (-479) (-)

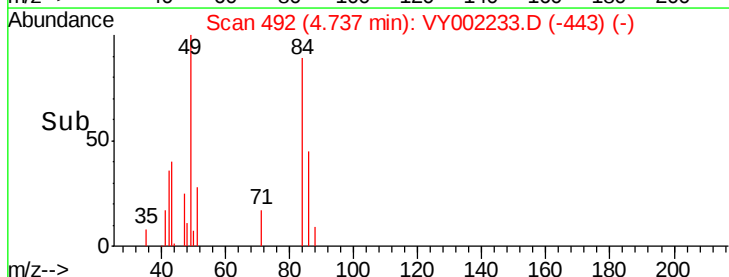
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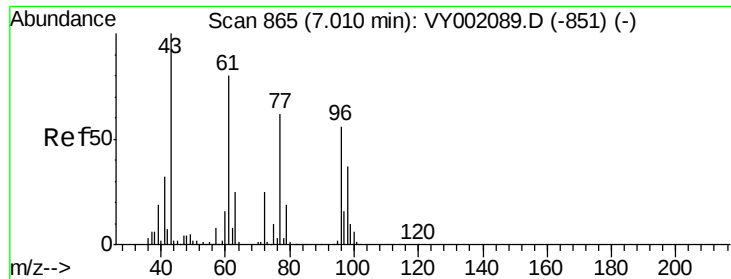
1000

500

0

Time-->

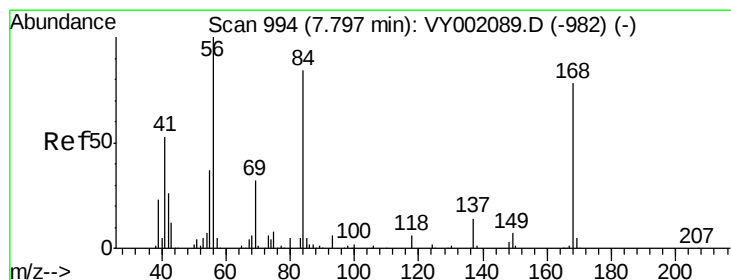
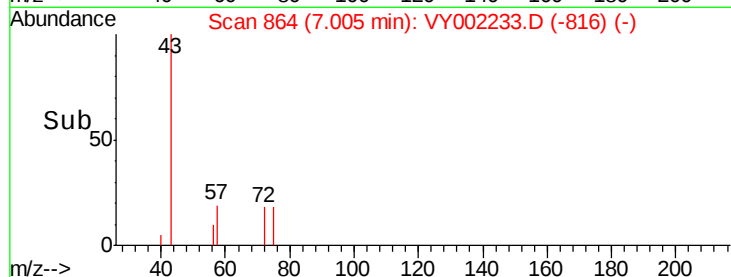
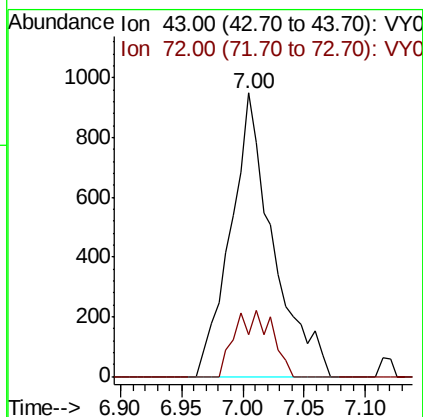
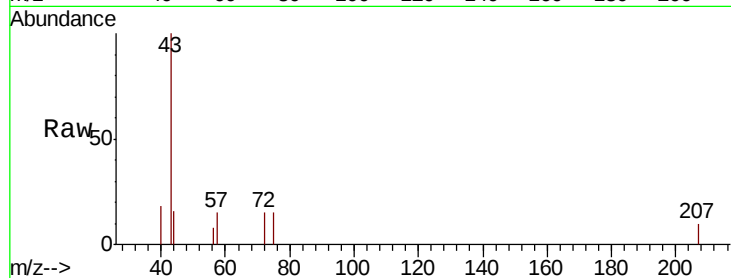




#25
2-Butanone
Concen: 3.596 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY002233.D
Acq: 06 Apr 2020 13:47

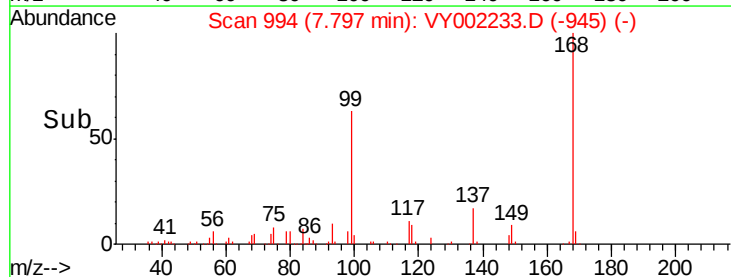
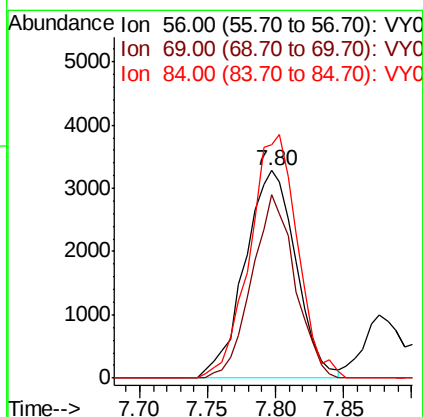
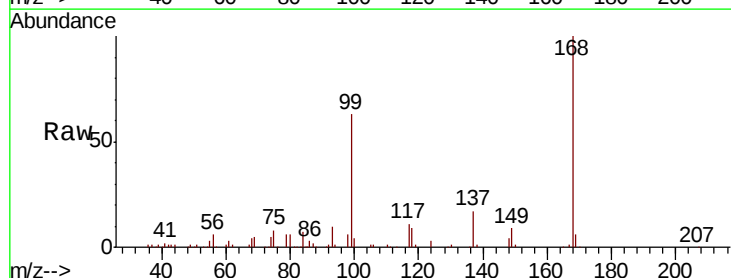
Instrument :
MSVOA_Y
ClientSampled :

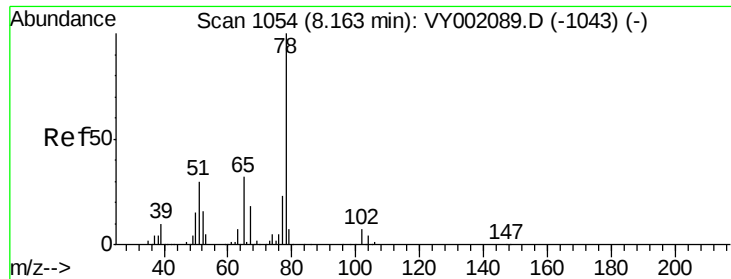
Tot Ion: 43 Resp: 2275
Ion Ratio Lower Upper
43 100
72 14.8 20.2 30.2#



#31
Cyclohexane
Concen: 2.821 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.00 min
Lab File: VY002233.D
Acq: 06 Apr 2020 13:47

Tgt Ion: 56 Resp: 8619
Ion Ratio Lower Upper
56 100
69 88.4 25.8 38.8#
84 112.7 67.1 100.7#

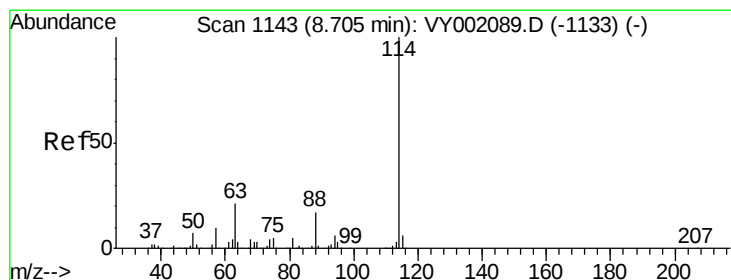
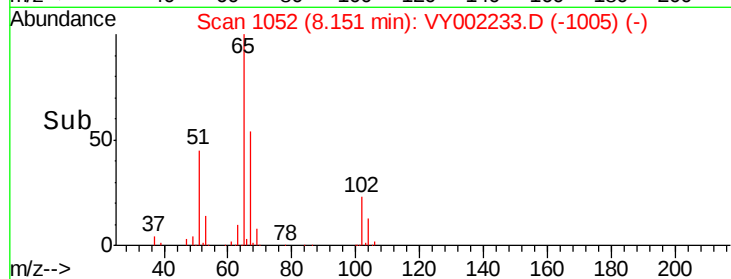
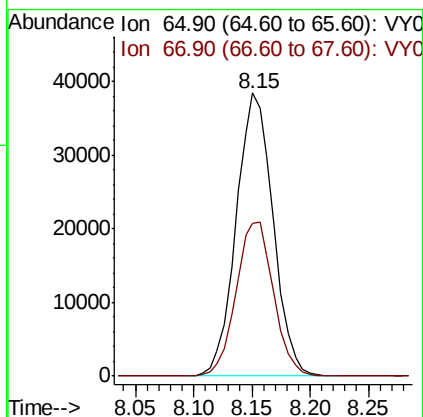
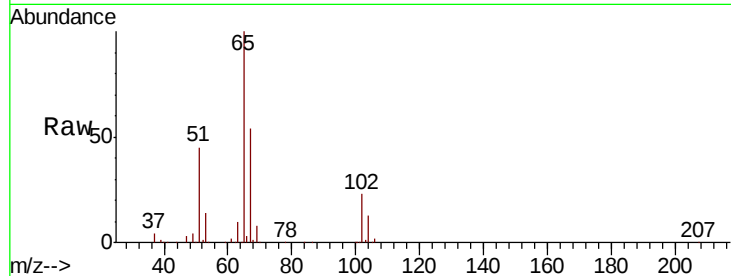




#33
 1,2-Dichloroethane-d4
 Concen: 57.681 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY002233.D
 Acq: 06 Apr 2020 13:47

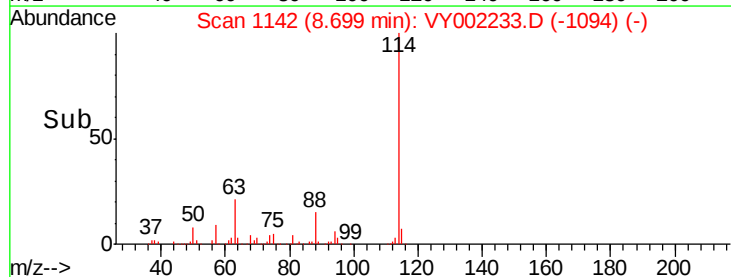
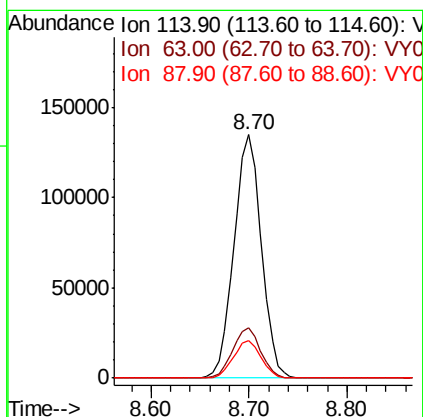
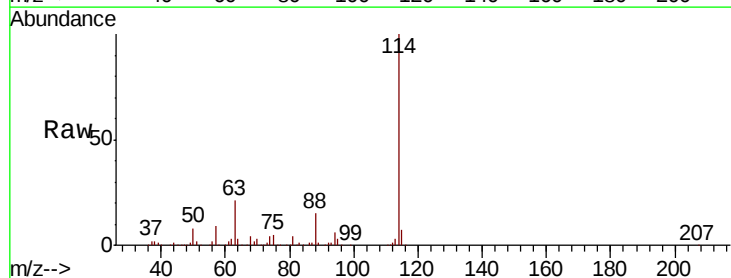
Instrument :
 MSVOA_Y
 ClientSampled :

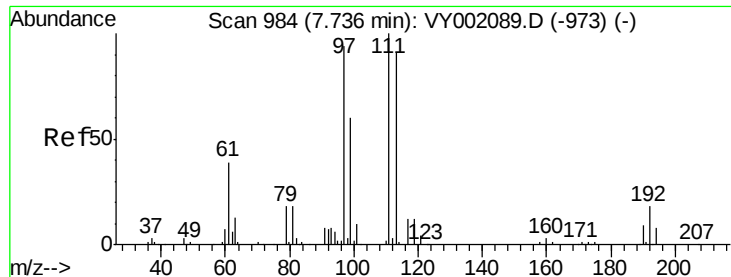
Tot Ion: 65 Resp: 84580
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002233.D
 Acq: 06 Apr 2020 13:47

Tgt Ion: 114 Resp: 261272
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.4
 88 15.4 0.0 33.0

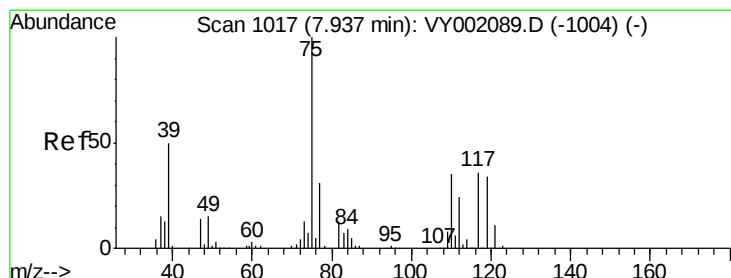
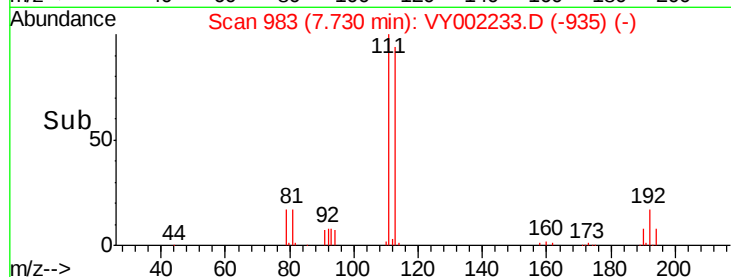
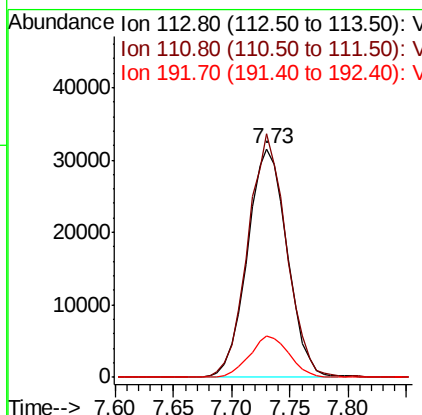
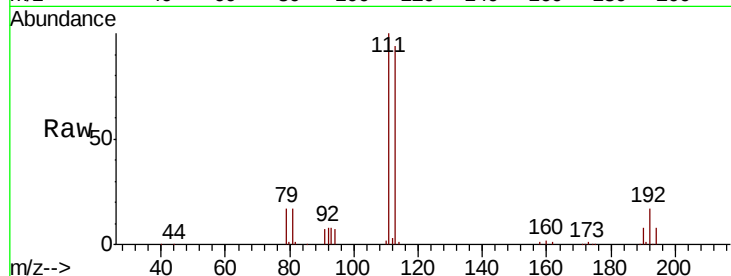




#35
 Dibromofluoromethane
 Concen: 51.146 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY002233.D
 Acq: 06 Apr 2020 13:47

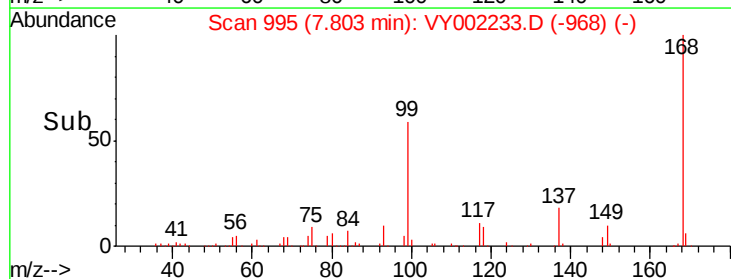
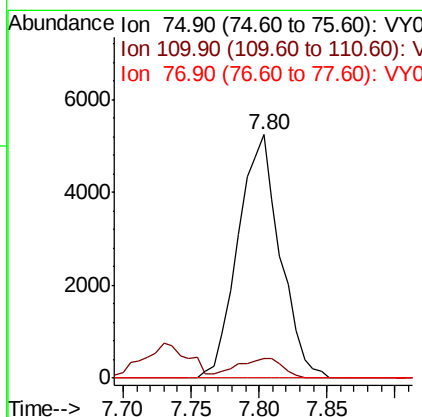
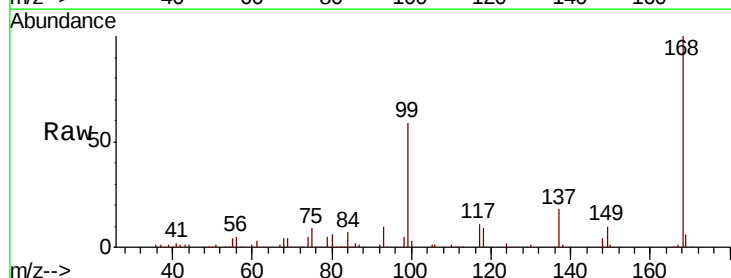
Instrument :
 MSVOA_Y
 ClientSampleId :

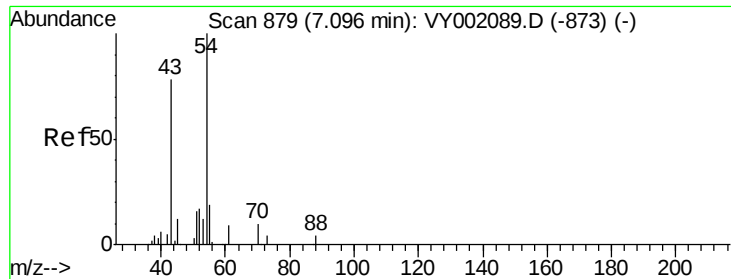
Tot Ion:113 Resp: 74875
 Ion Ratio Lower Upper
 113 100
 111 103.4 84.4 126.6
 192 17.9 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 4.590 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY002233.D
 Acq: 06 Apr 2020 13:47

Tgt Ion: 75 Resp: 11344
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.2 51.6#
 77 0.0 24.7 37.1#

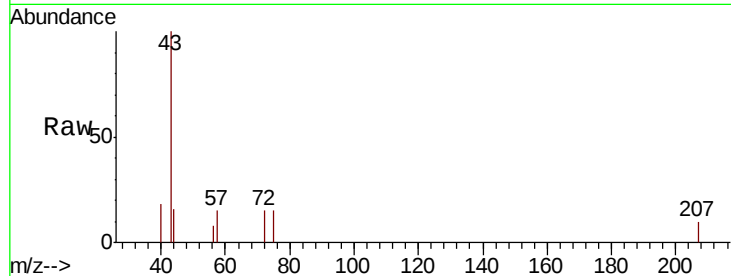




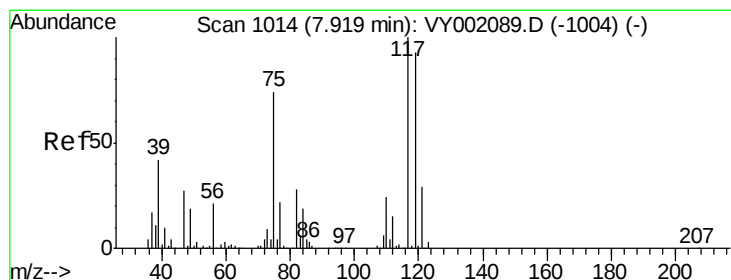
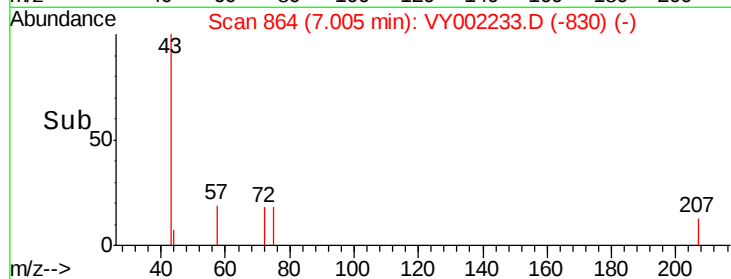
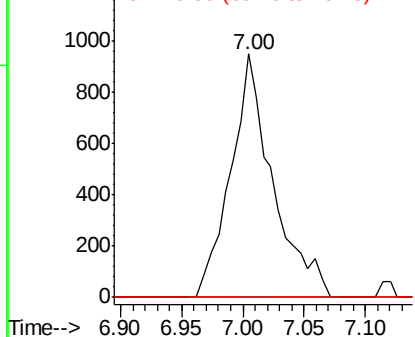
#37
Ethyl Acetate
Concen: 1.523 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.09 min
Lab File: VY002233.D
Acq: 06 Apr 2020 13:47

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 2275
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.2 12.4#

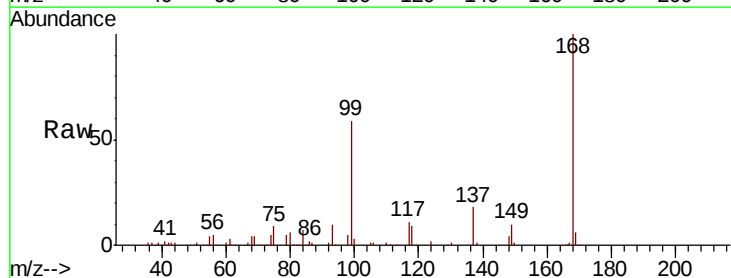


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

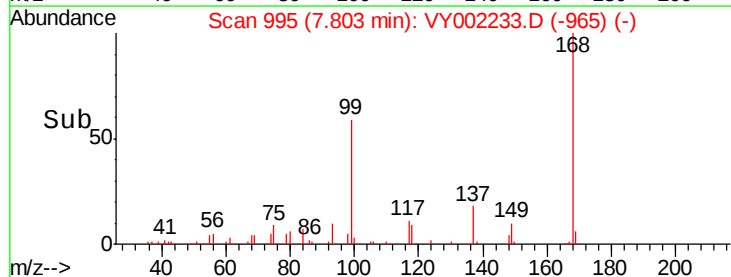
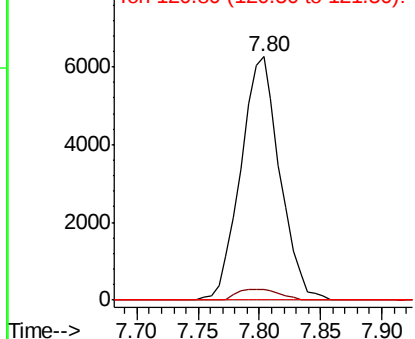


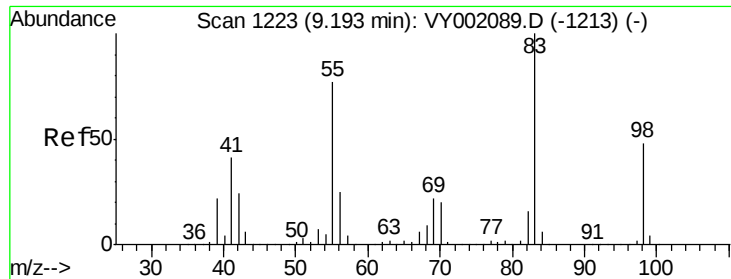
#38
Carbon Tetrachloride
Concen: 6.615 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.12 min
Lab File: VY002233.D
Acq: 06 Apr 2020 13:47

Tgt Ion: 117 Resp: 13869
Ion Ratio Lower Upper
117 100
119 4.4 74.3 111.5#
121 0.0 23.3 34.9#



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

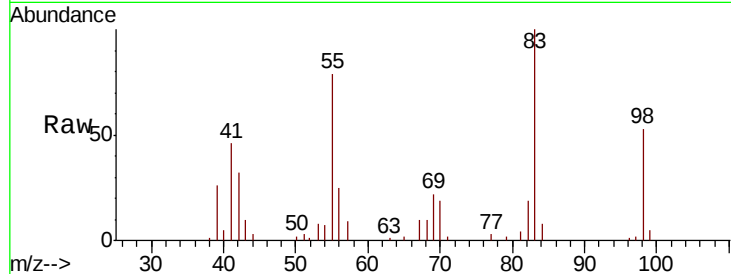




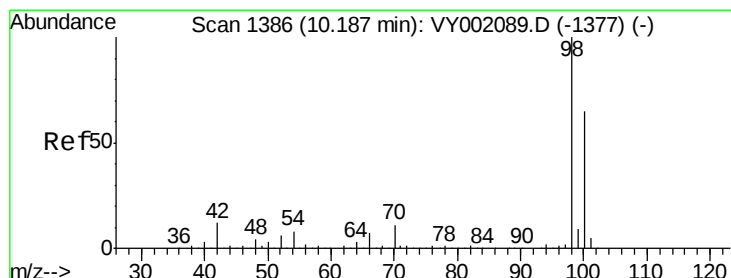
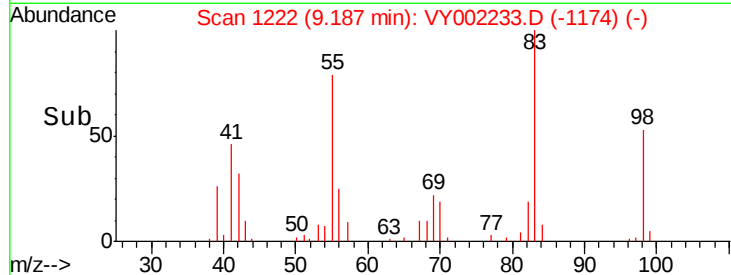
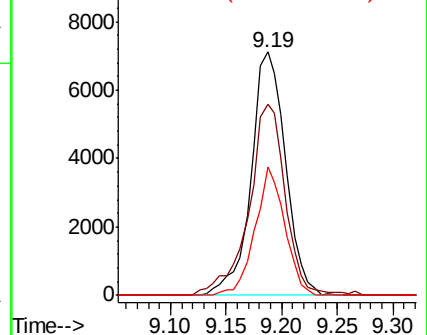
#39
Methvlcvclohexane
Concen: 4.726 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY002233.D
Acq: 06 Apr 2020 13:47

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 83 Resp: 15320
Ion Ratio Lower Upper
83 100
55 78.6 61.2 91.8
98 52.6 38.2 57.2

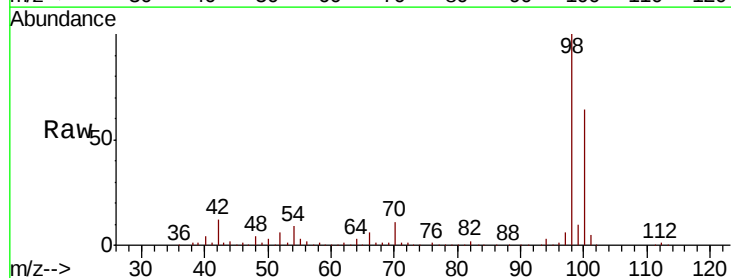


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

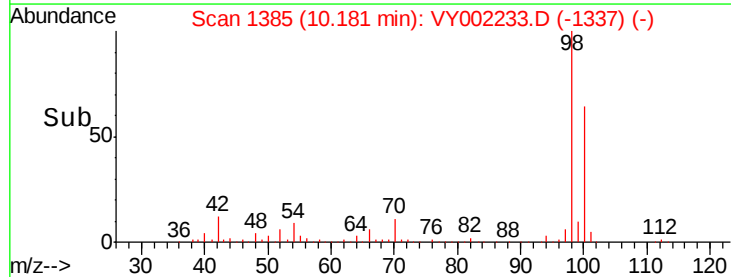
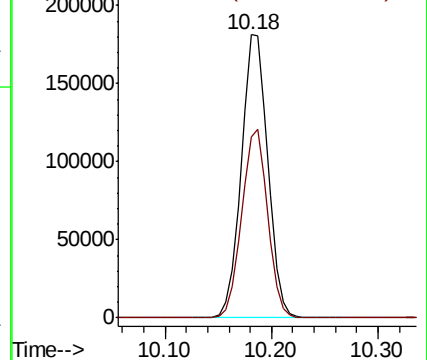


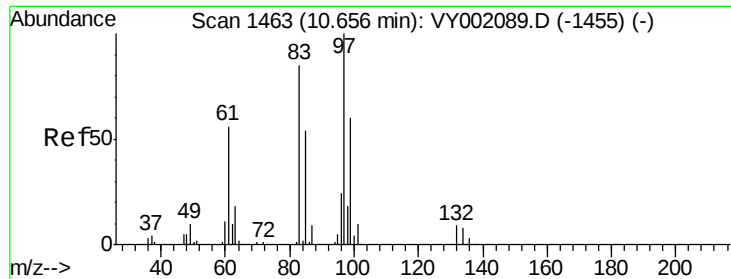
#50
Toluene-d8
Concen: 52.099 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY002233.D
Acq: 06 Apr 2020 13:47

Tgt Ion: 98 Resp: 316846
Ion Ratio Lower Upper
98 100
100 65.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

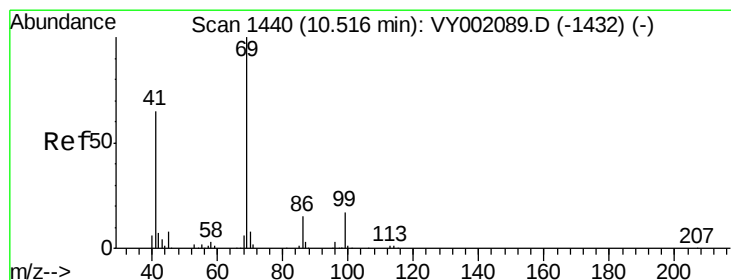
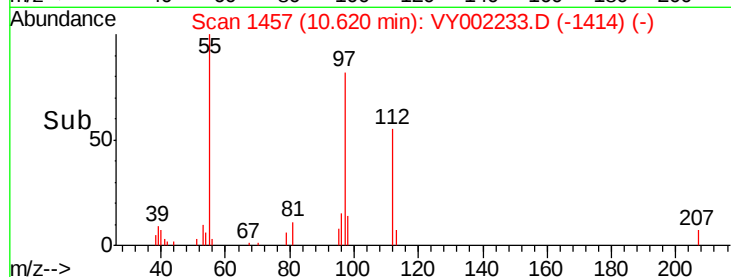
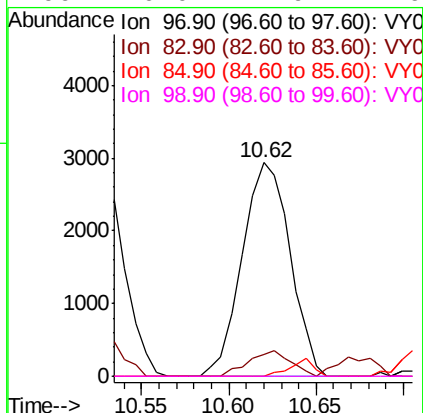
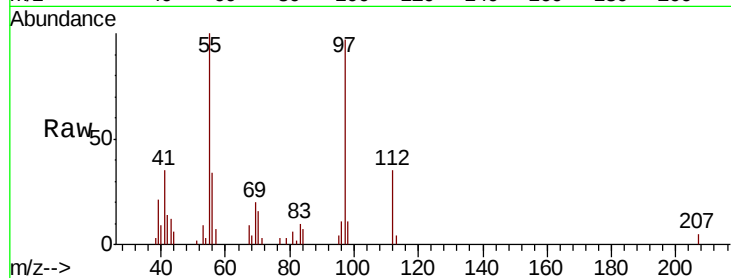




#55
 1,1,2-Trichloroethane
 Concen: 3.952 ug/l
 RT: 10.62 min Scan# 1457
 Delta R.T. -0.04 min
 Lab File: VY002233.D
 Acq: 06 Apr 2020 13:47

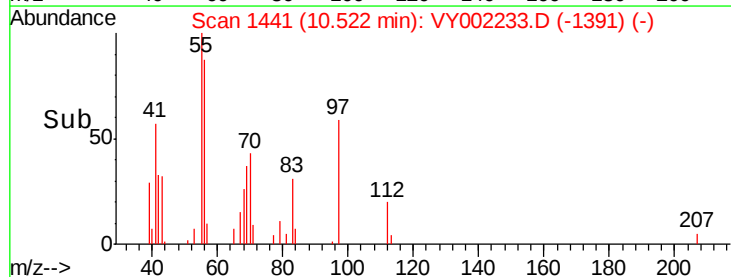
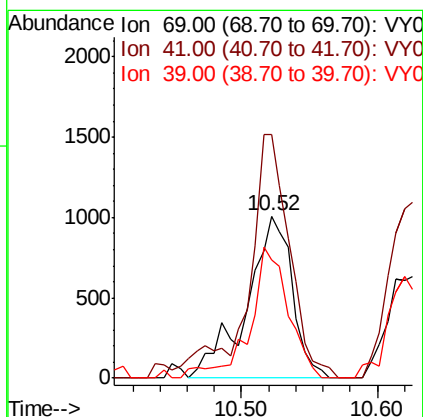
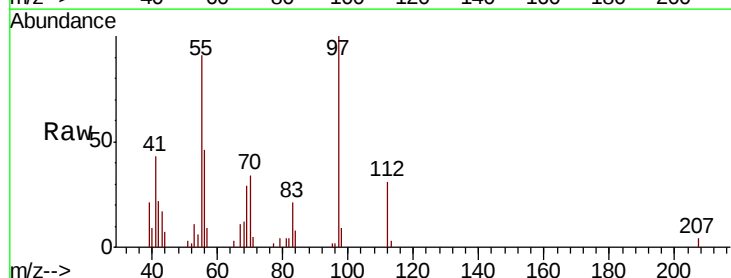
Instrument :
 MSVOA_Y
 ClientSampleId :

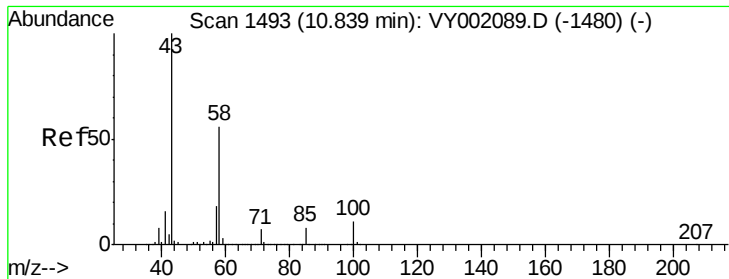
Tot Ion: 97 Resp: 5599
 Ion Ratio Lower Upper
 97 100
 83 10.1 68.2 102.2#
 85 0.0 42.9 64.3#
 99 0.0 47.9 71.9#



#56
 Ethyl methacrylate
 Concen: 1.140 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: VY002233.D
 Acq: 06 Apr 2020 13:47

Tgt Ion: 69 Resp: 2359
 Ion Ratio Lower Upper
 69 100
 41 119.8 52.8 79.2#
 39 64.7 25.0 37.6#





#59

2-Hexanone

Concen: 2.379 ug/l

RT: 10.81 min Scan# 1488

Delta R.T. -0.03 min

Lab File: VY002233.D

Acq: 06 Apr 2020 13:47

Instrument :

MSVOA_Y

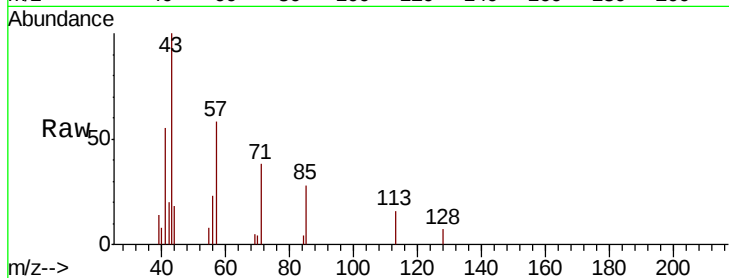
ClientSampled :

Tot Ion: 43 Resp: 2392

Ion Ratio Lower Upper

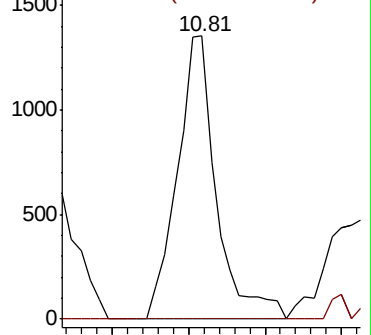
43 100

58 0.0 27.9 83.6#

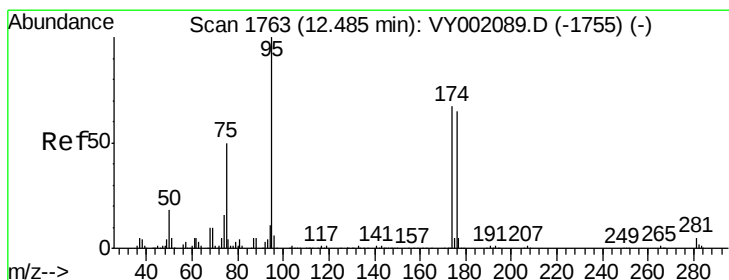
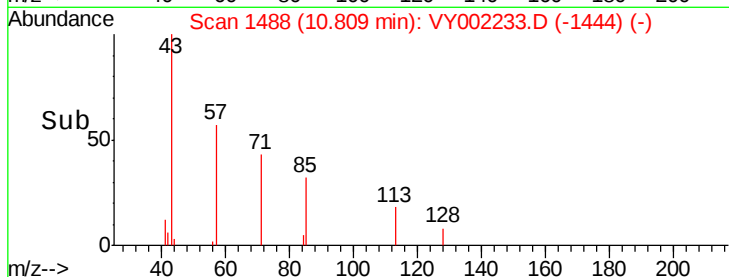


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->



#62

4-Bromofluorobenzene

Concen: 48.485 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VY002233.D

Acq: 06 Apr 2020 13:47

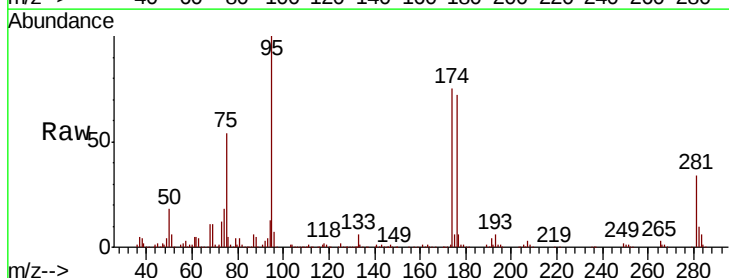
Tgt Ion: 95 Resp: 103124

Ion Ratio Lower Upper

95 100

174 72.5 0.0 143.4

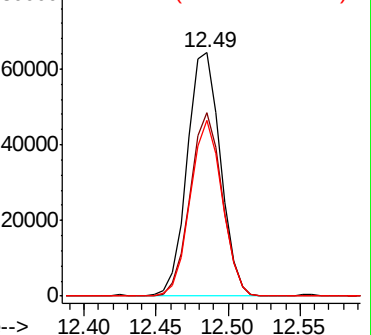
176 69.2 0.0 137.0



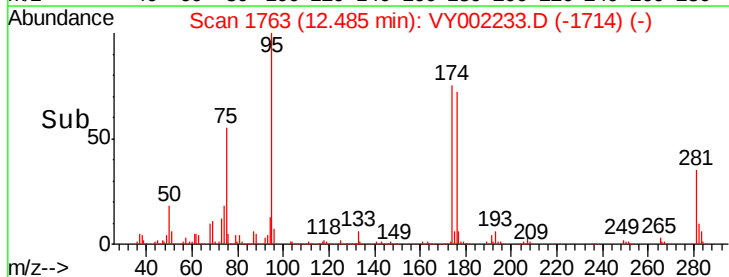
Abundance Ion 94.90 (94.60 to 95.60): VY0

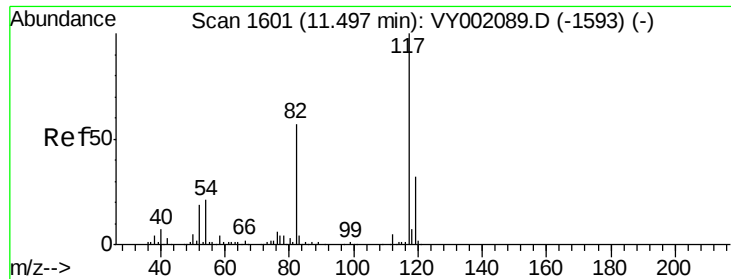
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

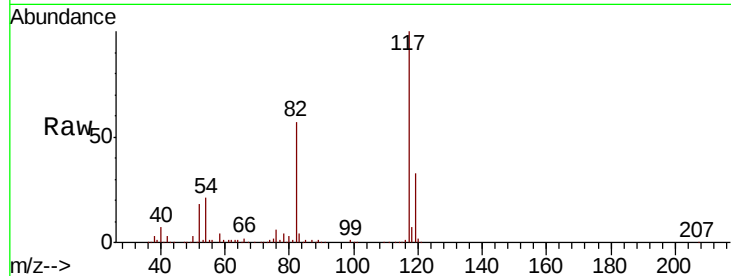




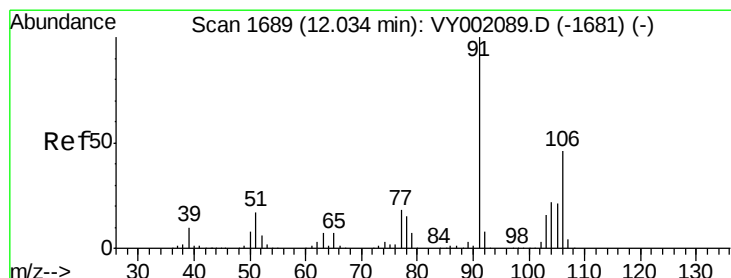
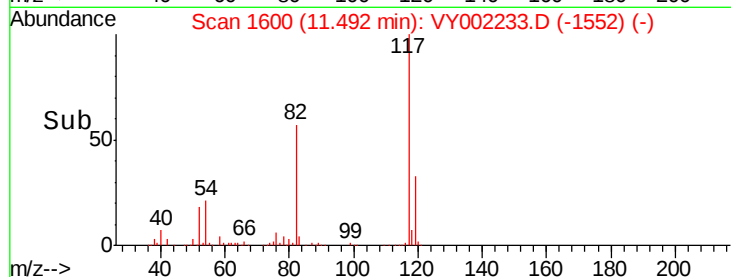
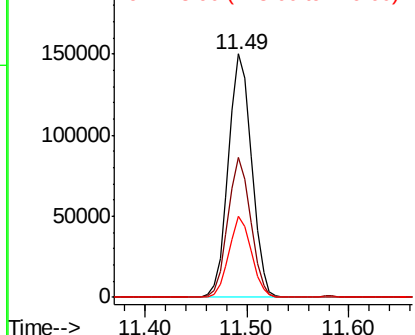
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002233.D
Acq: 06 Apr 2020 13:47

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 235892
Ion Ratio Lower Upper
117 100
82 57.2 45.4 68.2
119 33.3 25.3 37.9

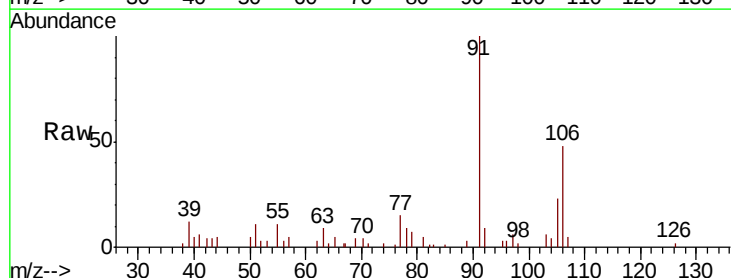


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

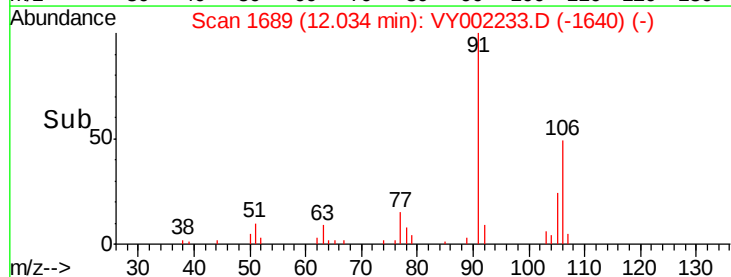
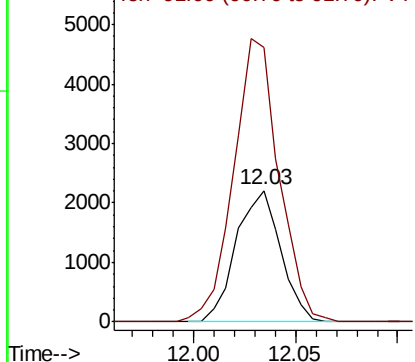


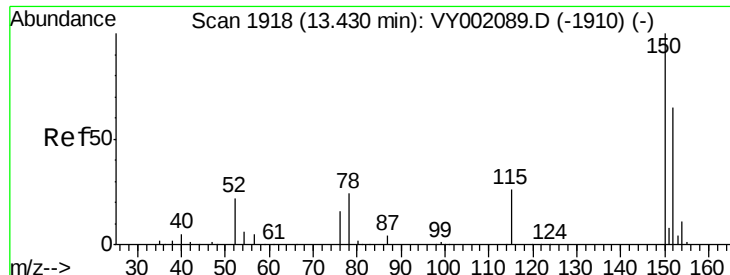
#69
o-Xylene
Concen: 1.126 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY002233.D
Acq: 06 Apr 2020 13:47

Tgt Ion:106 Resp: 3339
Ion Ratio Lower Upper
106 100
91 220.2 107.3 321.8



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: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY002233.D

Acq: 06 Apr 2020 13:47

Instrument :

MSVOA_Y

ClientSampleId :

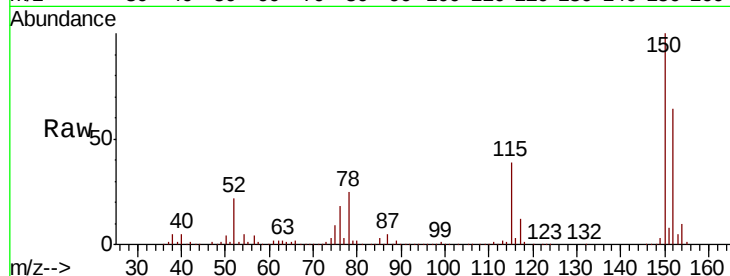
Tot Ion:152 Resp: 90202

Ion Ratio Lower Upper

152 100

115 62.3 31.2 93.6

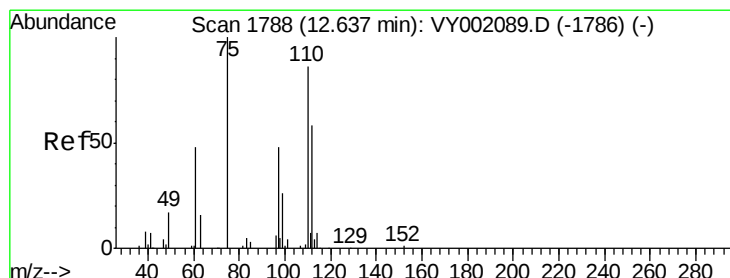
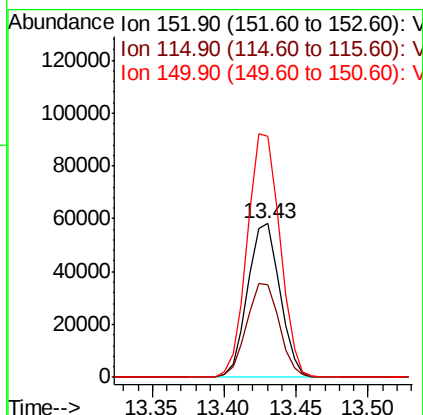
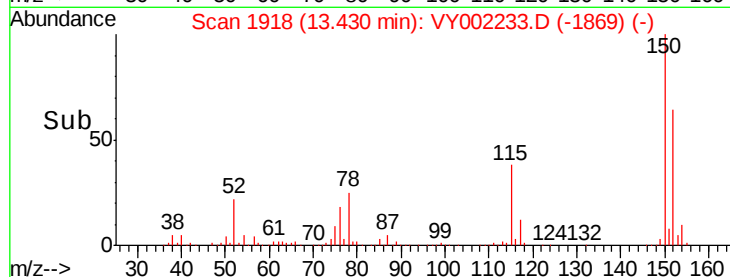
150 159.9 0.0 354.8



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



#76

1,2,3-Trichloropropane

Concen: 53.245 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002233.D

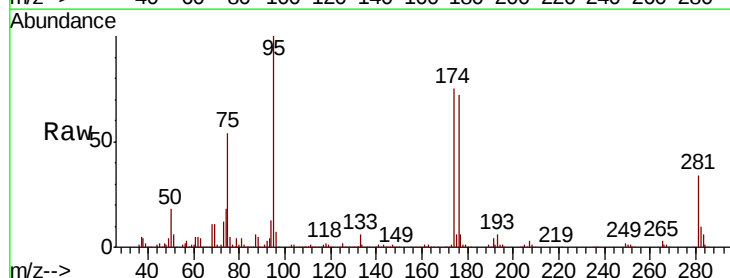
Acq: 06 Apr 2020 13:47

Tgt Ion: 75 Resp: 53724

Ion Ratio Lower Upper

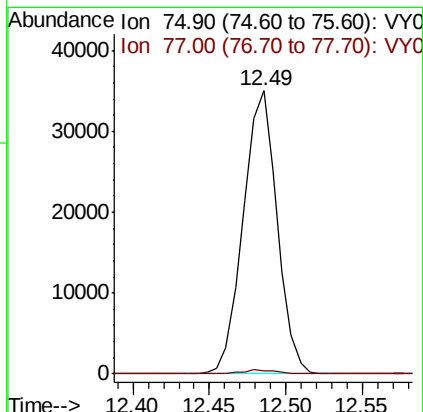
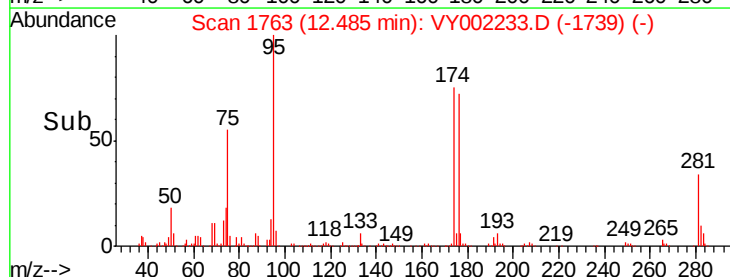
75 100

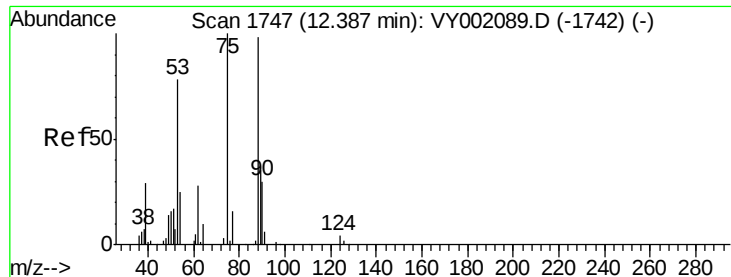
77 1.4 0.0 0.0#



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: 103.155 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002233.D

Acq: 06 Apr 2020 13:47

Instrument :

MSVOA_Y

ClientSampleId :

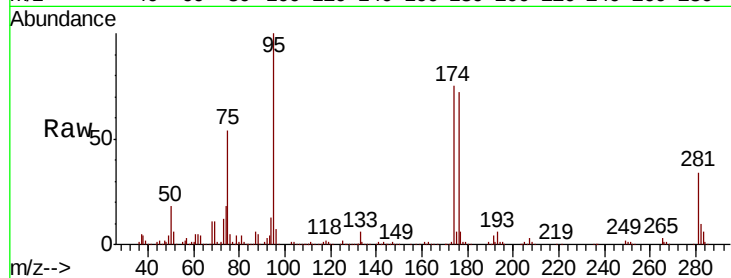
Tot Ion: 75 Resp: 53724

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.4#

89 0.9 33.4 50.0#



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

