

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030520\
 Data File : VY001889.D
 Acq On : 05 Mar 2020 17:57
 Operator : SY/MD
 Sample : L1813-02RE
 Misc : 7.82G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 06 04:39:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

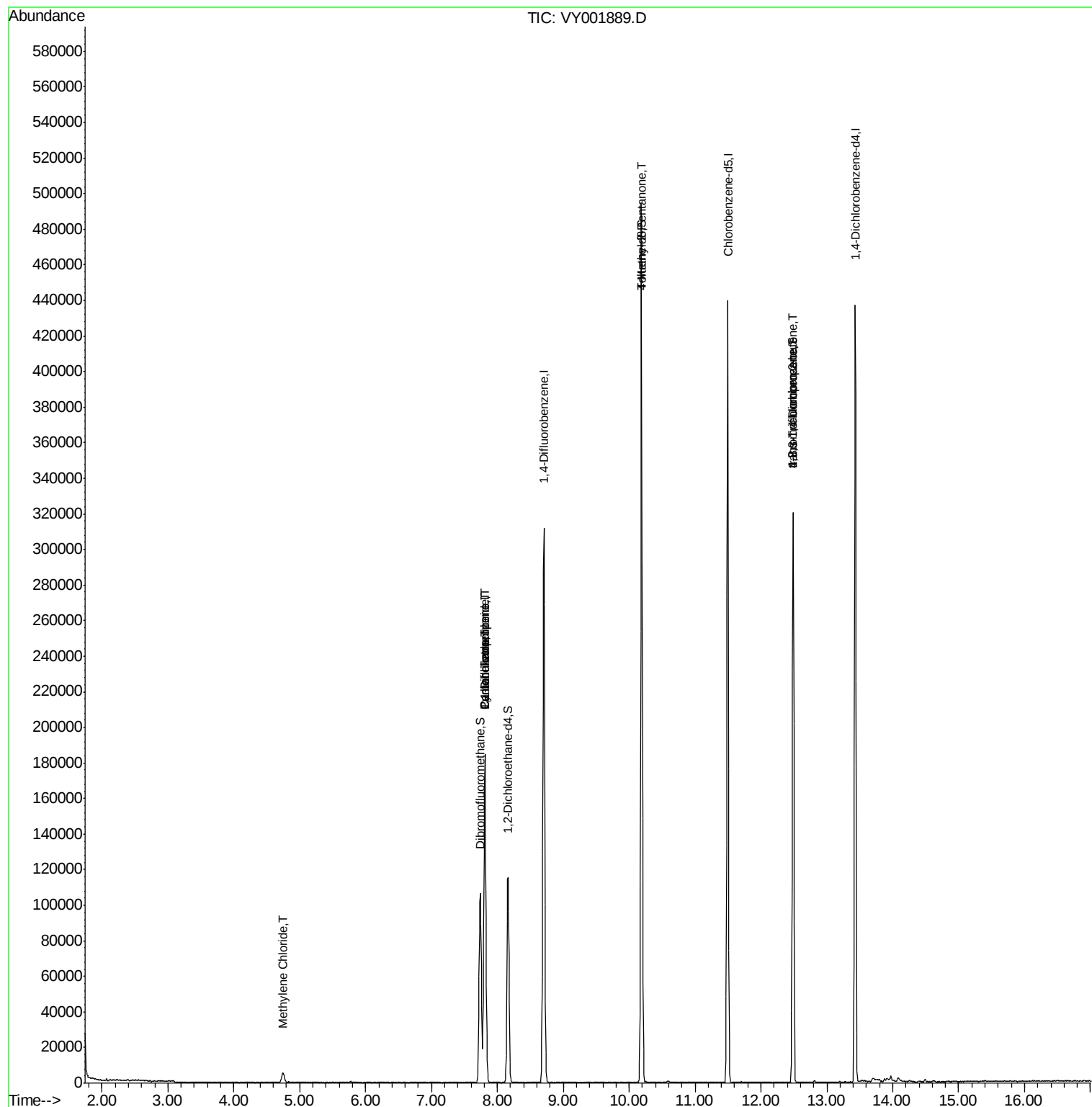
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	137956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	261217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	232590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	101450	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	83685	56.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.64%	
35) Dibromofluoromethane	7.74	113	74914	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
50) Toluene-d8	10.19	98	314423	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
62) 4-Bromofluorobenzene	12.49	95	103018	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.75	84	4176	2.271	ug/l	88
31) Cyclohexane	7.81	56	3365	1.040	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	11967	4.761	ug/l #	49
38) Carbon Tetrachloride	7.80	117	14157	6.593	ug/l #	15
51) 4-Methyl-2-Pentanone	10.19	43	1427	1.002	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	53484	44.430	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	53484	89.747	ug/l #	17

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001889.D

Acq: 05 Mar 2020 17:57

Instrument :

MSVOA_Y

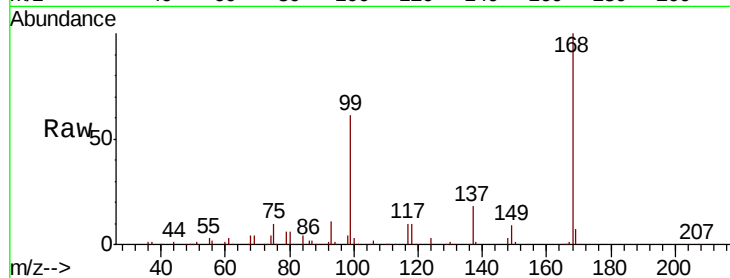
ClientSampleId :

Tot Ion:168 Resp: 137956

Ion Ratio Lower Upper

168 100

99 60.9 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)

7.81

60000

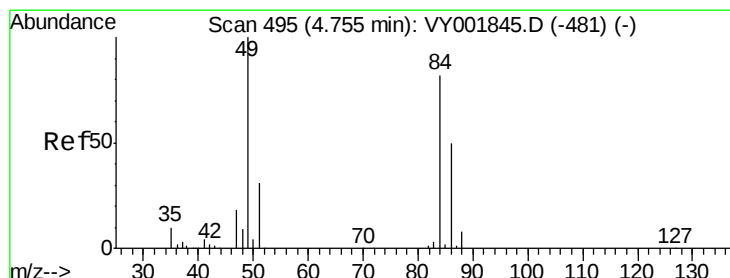
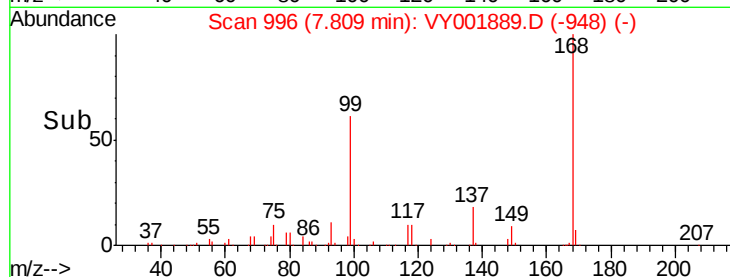
40000

20000

0

7.70 7.80 7.90

Time-->



#20

Methylene Chloride

Concen: 2.271 ug/l

RT: 4.75 min Scan# 494

Delta R.T. -0.01 min

Lab File: VY001889.D

Acq: 05 Mar 2020 17:57

Tgt Ion: 84 Resp: 4176

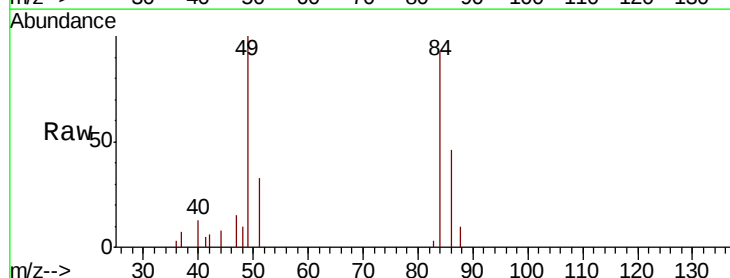
Ion Ratio Lower Upper

84 100

49 107.8 98.2 147.2

51 35.3 30.2 45.2

86 49.3 48.9 73.3



Abundance Ion 83.90 (83.60 to 84.60): VY001845.D (-481) (-)

Ion 48.90 (48.60 to 49.60): VY001845.D (-481) (-)

Ion 50.90 (50.60 to 51.60): VY001845.D (-481) (-)

Ion 85.90 (85.60 to 86.60): VY001845.D (-481) (-)

2500

2000

1500

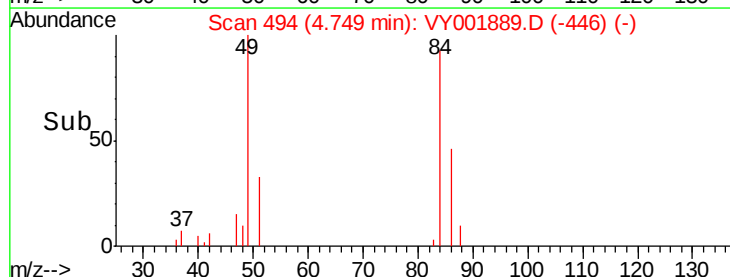
1000

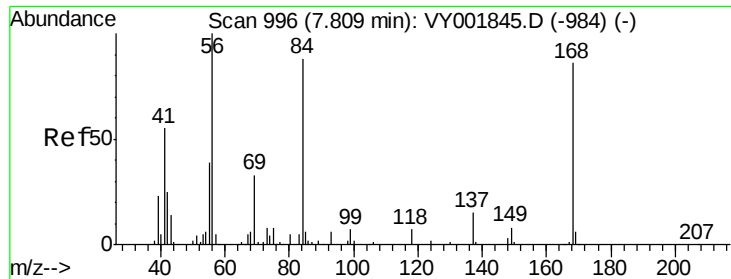
500

0

4.65 4.70 4.75 4.80 4.85

Time-->

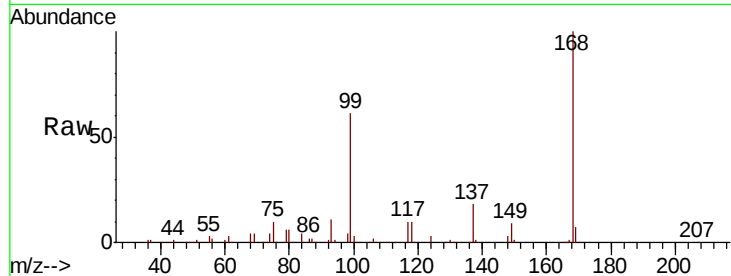




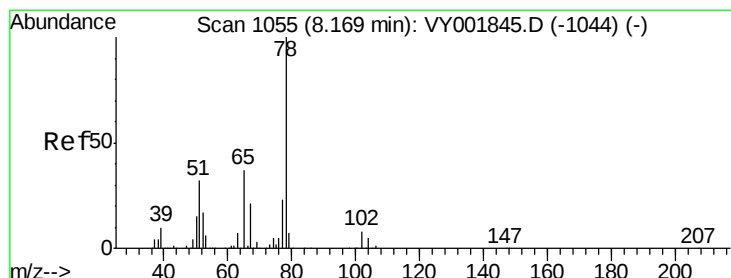
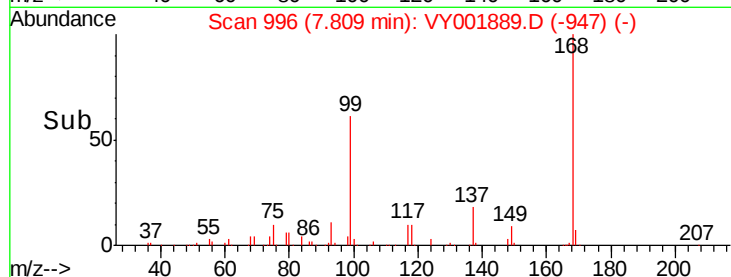
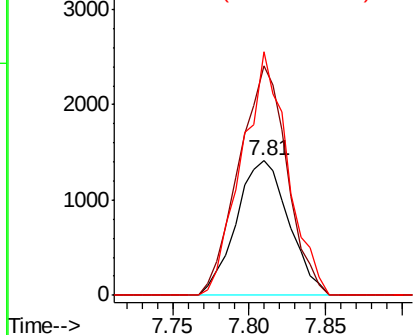
#31
Cyclohexane
Concen: 1.040 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.00 min
Lab File: VY001889.D
Acq: 05 Mar 2020 17:57

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 3365
Ion Ratio Lower Upper
56 100
69 170.2 26.7 40.1#
84 180.8 70.4 105.6#

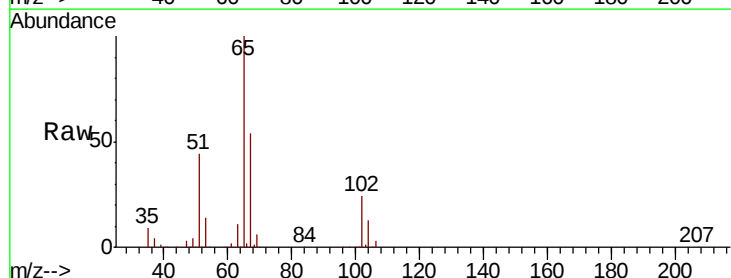


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

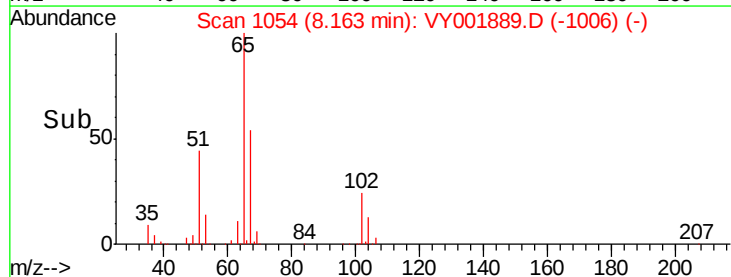
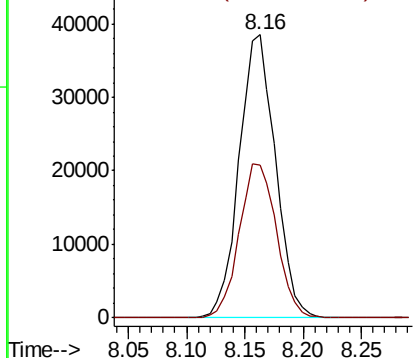


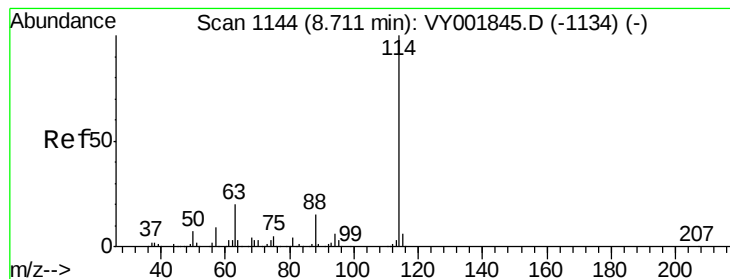
#33
1,2-Dichloroethane-d4
Concen: 56.821 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY001889.D
Acq: 05 Mar 2020 17:57

Tgt Ion: 65 Resp: 83685
Ion Ratio Lower Upper
65 100
67 56.0 0.0 110.8



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: VY001889.D

Acq: 05 Mar 2020 17:57

Instrument :

MSVOA_Y

ClientSampleId :

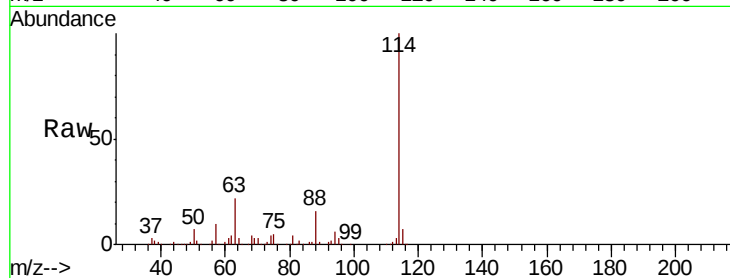
Tot Ion:114 Resp: 261217

Ion Ratio Lower Upper

114 100

63 21.5 0.0 39.4

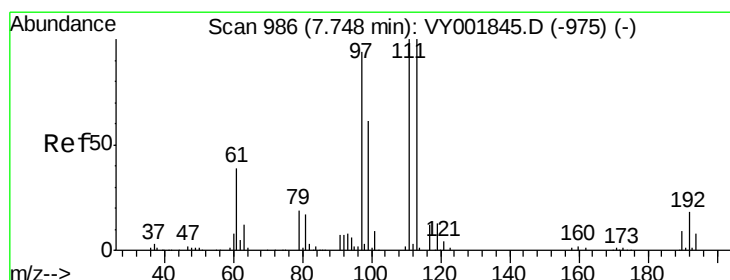
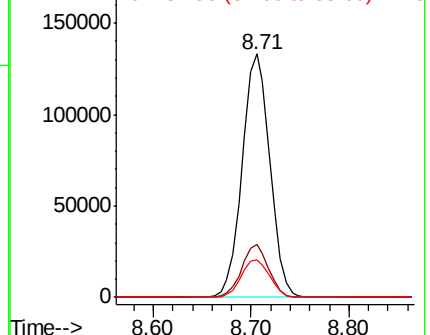
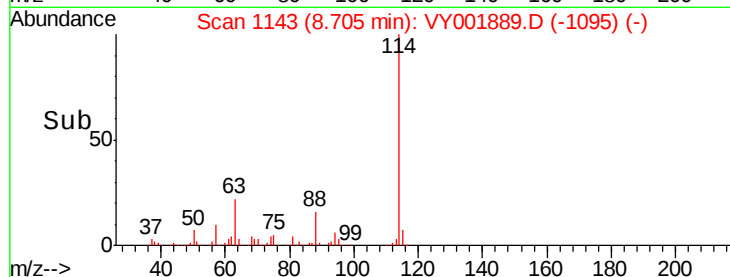
88 15.5 0.0 30.4



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: 52.521 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001889.D

Acq: 05 Mar 2020 17:57

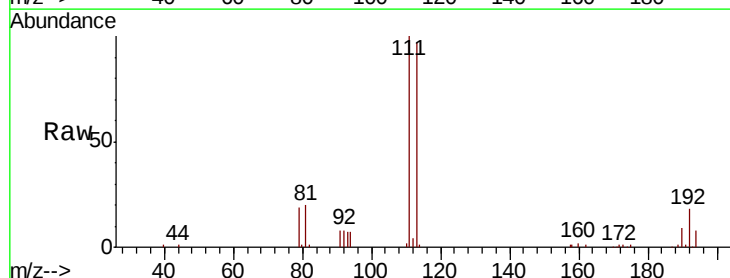
Tgt Ion:113 Resp: 74914

Ion Ratio Lower Upper

113 100

111 104.4 81.8 122.8

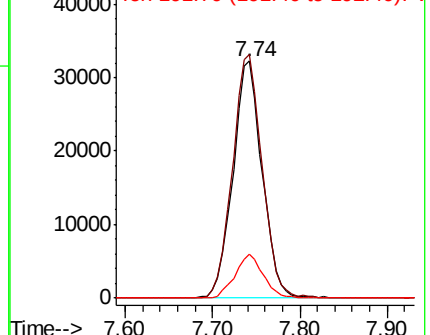
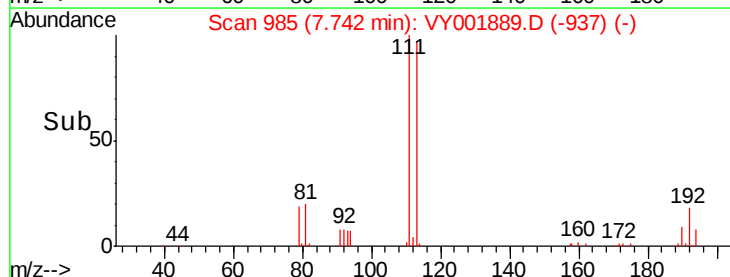
192 17.7 14.2 21.2

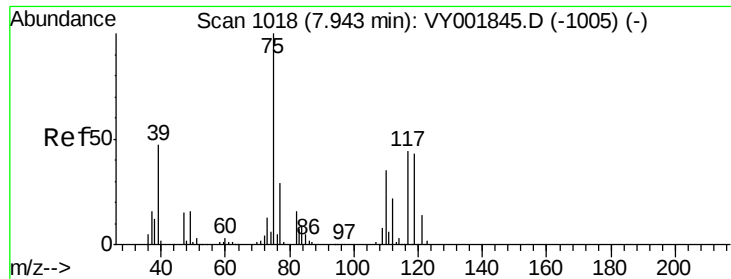


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

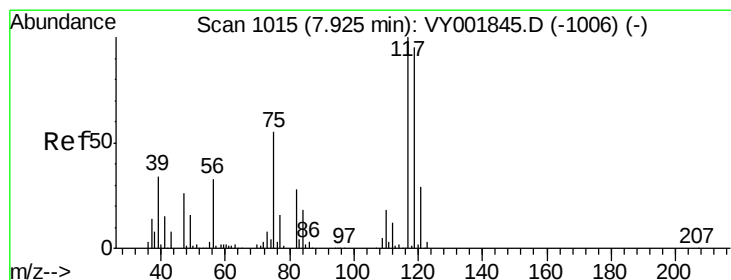
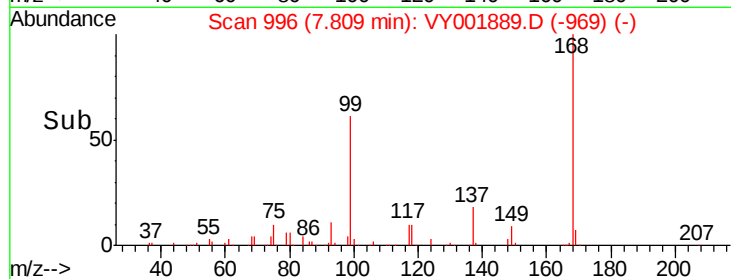
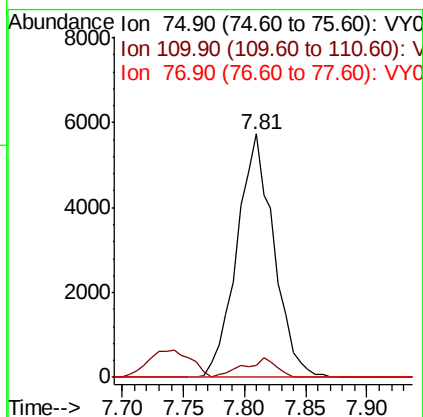
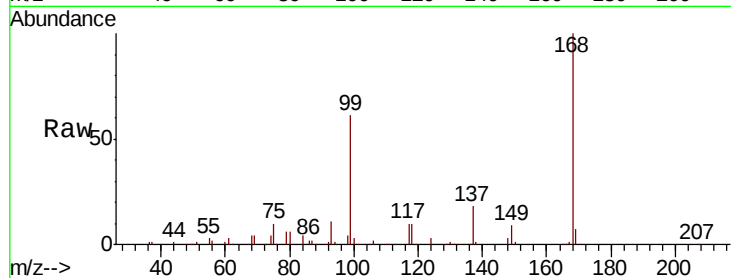




#36
 1,1-Dichloropropene
 Concen: 4.761 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001889.D
 Acq: 05 Mar 2020 17:57

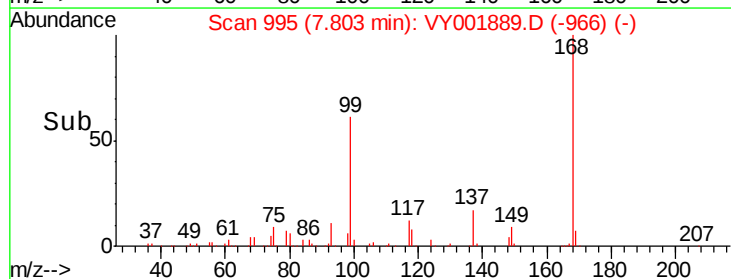
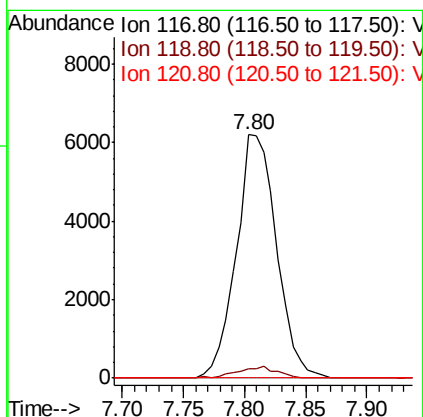
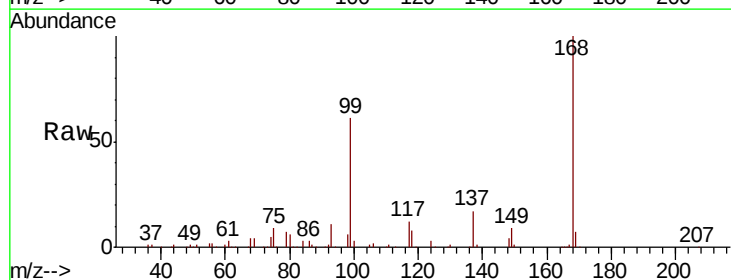
Instrument :
 MSVOA_Y
 ClientSampleId :

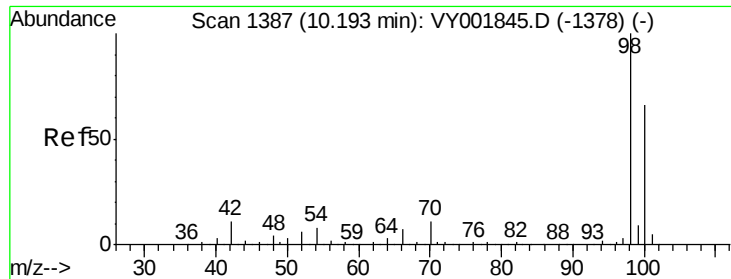
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.2	17.4	52.2#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.593 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY001889.D
 Acq: 05 Mar 2020 17:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	76.3	114.5#
121	0.0	23.5	35.3#

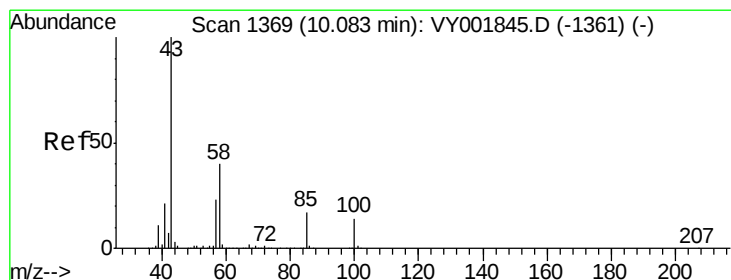
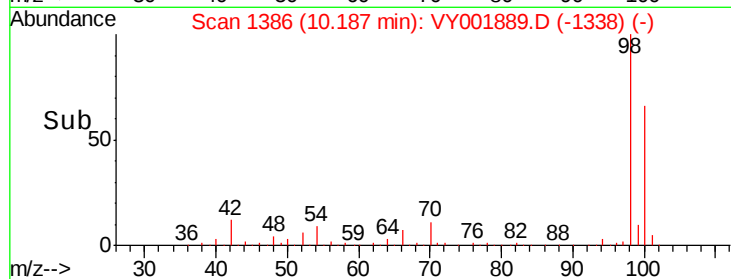
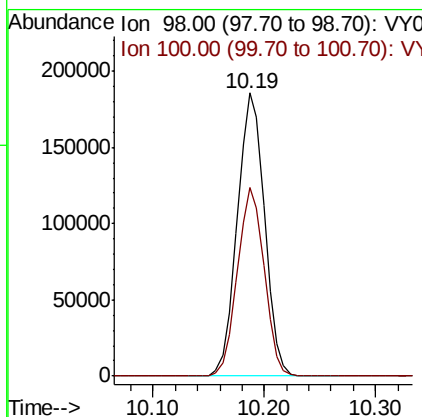
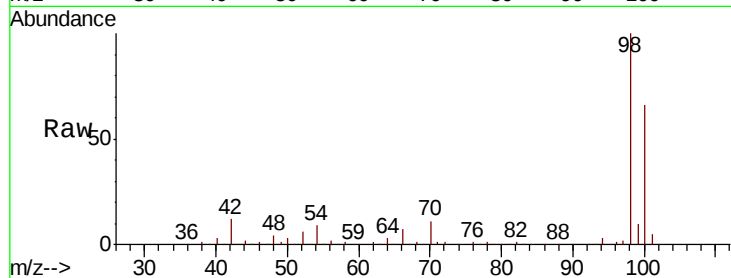




#50
Toluene-d8
Concen: 52.275 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001889.D
Acq: 05 Mar 2020 17:57

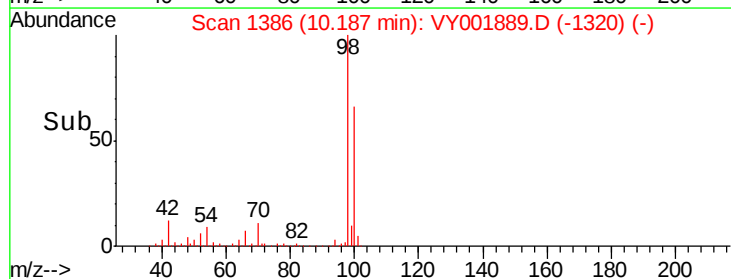
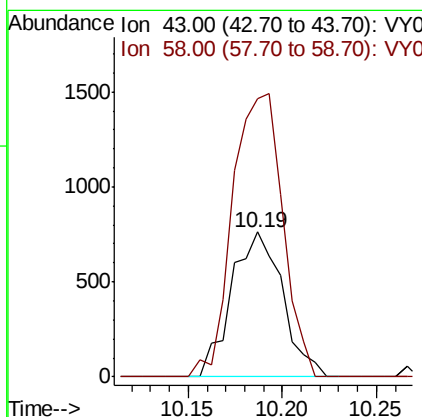
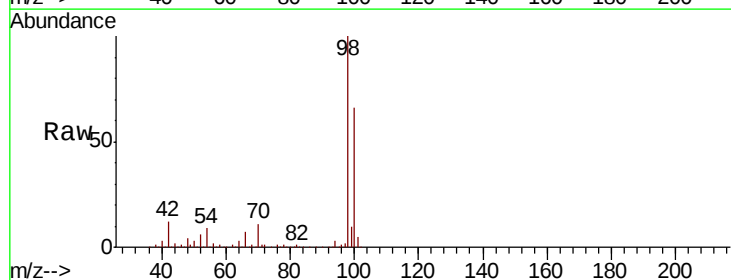
Instrument :
MSVOA_Y
ClientSampled :

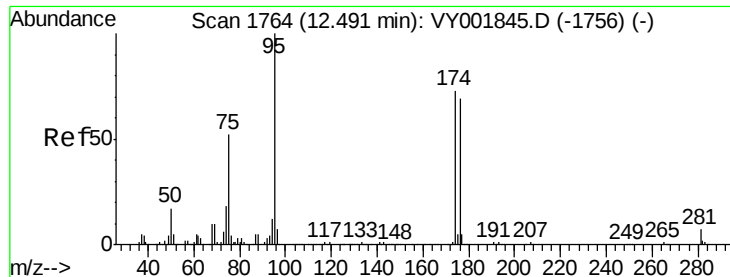
Tot Ion: 98 Resp: 314423
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.002 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.10 min
Lab File: VY001889.D
Acq: 05 Mar 2020 17:57

Tgt Ion: 43 Resp: 1427
Ion Ratio Lower Upper
43 100
58 192.3 32.0 48.0#

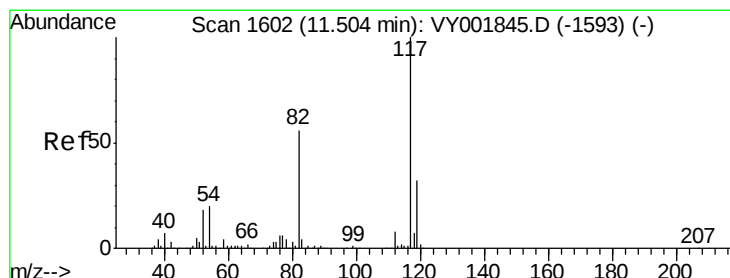
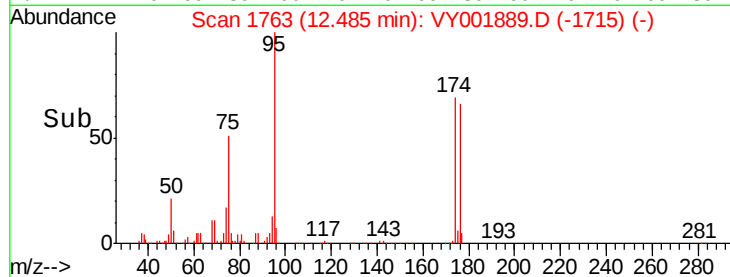
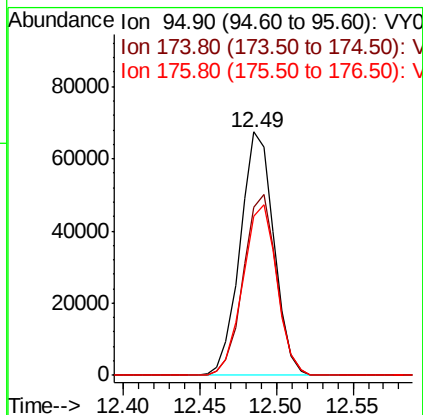
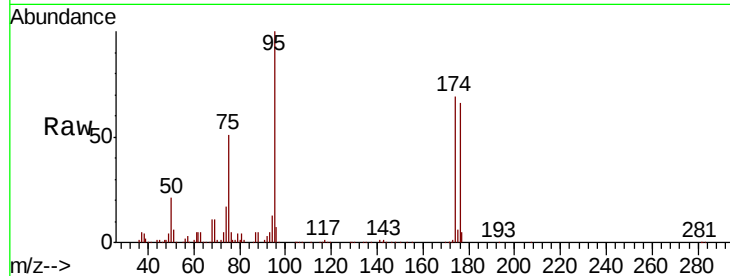




#62
4-Bromofluorobenzene
Concen: 49.258 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY001889.D
Acq: 05 Mar 2020 17:57

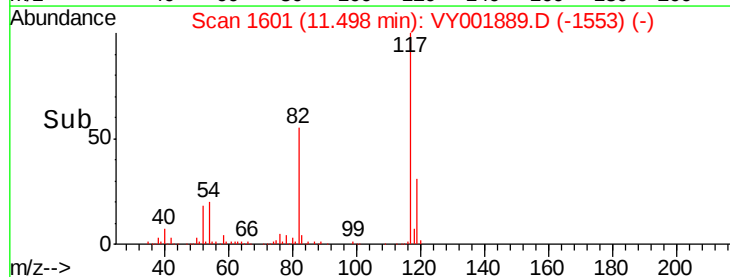
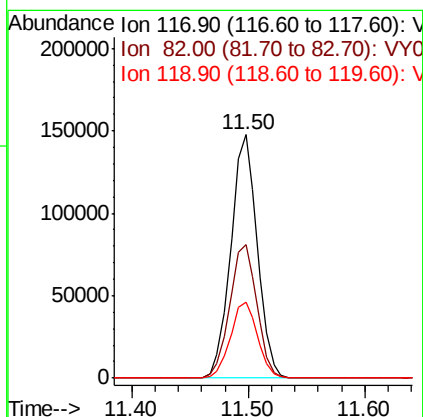
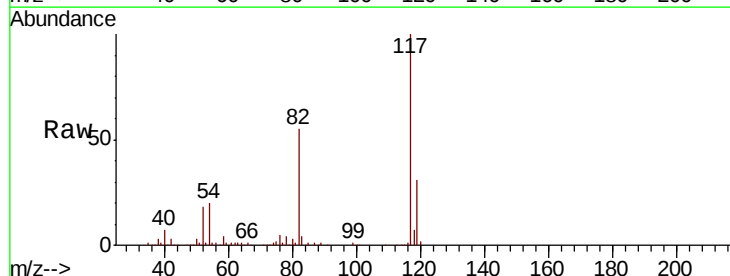
Instrument :
MSVOA_Y
ClientSampleId :

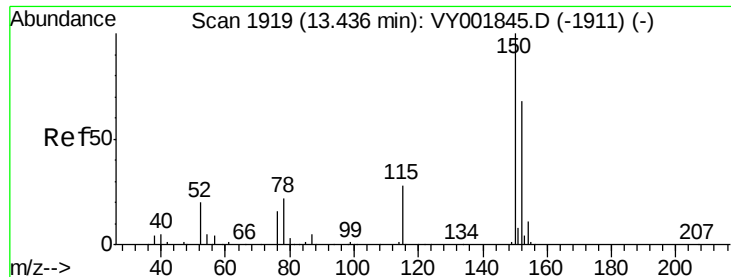
Tot Ion: 95 Resp: 103018
Ion Ratio Lower Upper
95 100
174 73.4 0.0 145.0
176 70.8 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001889.D
Acq: 05 Mar 2020 17:57

Tgt Ion: 117 Resp: 232590
Ion Ratio Lower Upper
117 100
82 54.8 44.5 66.7
119 31.2 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001889.D

Acq: 05 Mar 2020 17:57

Instrument :

MSVOA_Y

ClientSampleId :

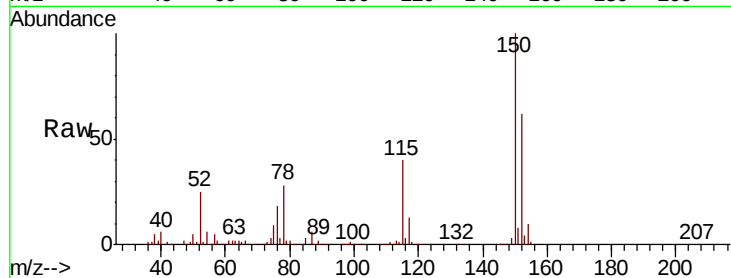
Tot Ion:152 Resp: 101450

Ion Ratio Lower Upper

152 100

115 61.1 29.9 89.7

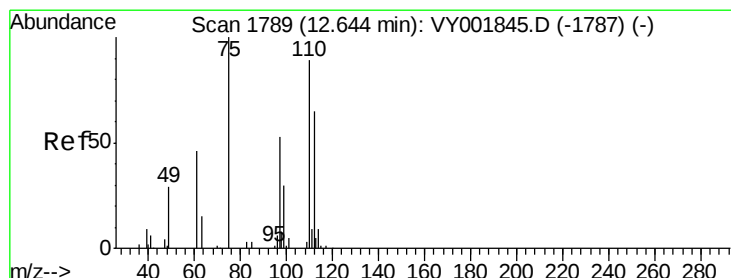
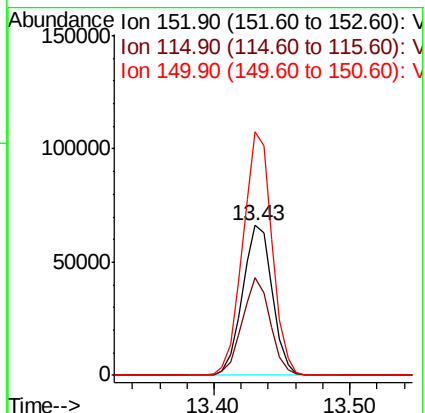
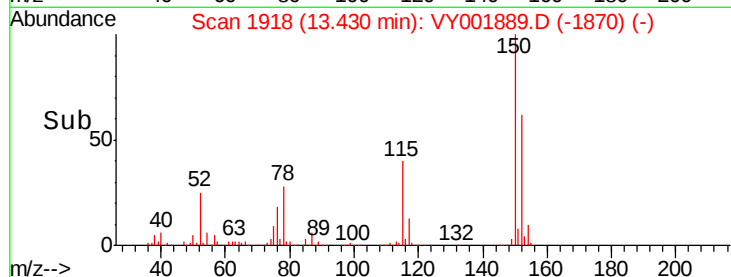
150 158.5 0.0 340.6



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: 44.430 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY001889.D

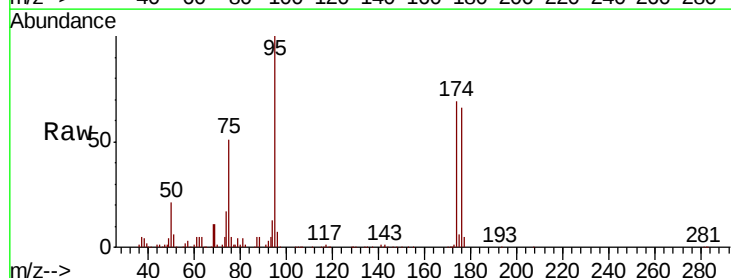
Acq: 05 Mar 2020 17:57

Tgt Ion: 75 Resp: 53484

Ion Ratio Lower Upper

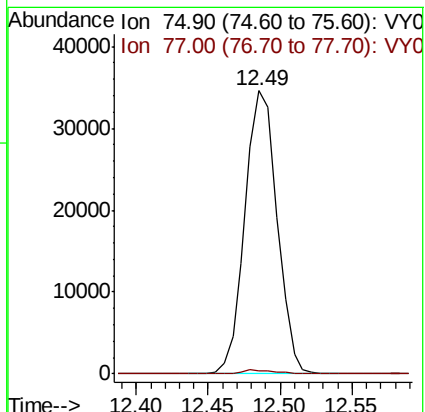
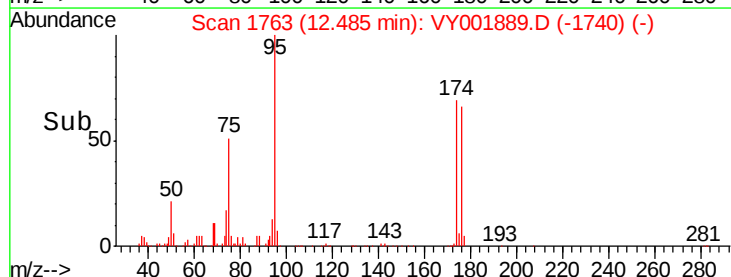
75 100

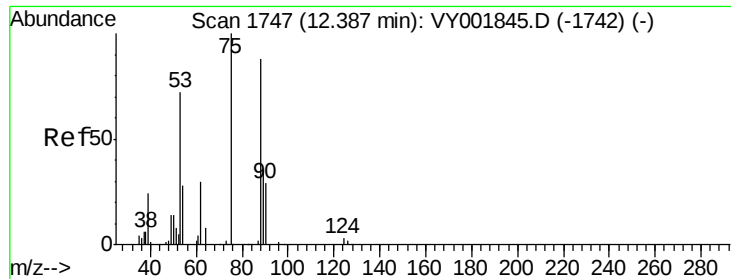
77 1.4 0.0 0.0#



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: 89.747 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001889.D

Acq: 05 Mar 2020 17:57

Instrument :

MSVOA_Y

ClientSampleId :

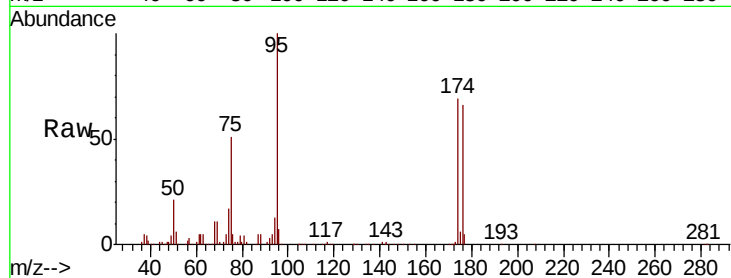
Tot Ion: 75 Resp: 53484

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.2 36.0 54.0#



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

