

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051320\
 Data File : VY002678.D
 Acq On : 13 May 2020 12:48
 Operator : SY/MD
 Sample : L2605-07
 Misc : 6.57G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 14 02:54:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

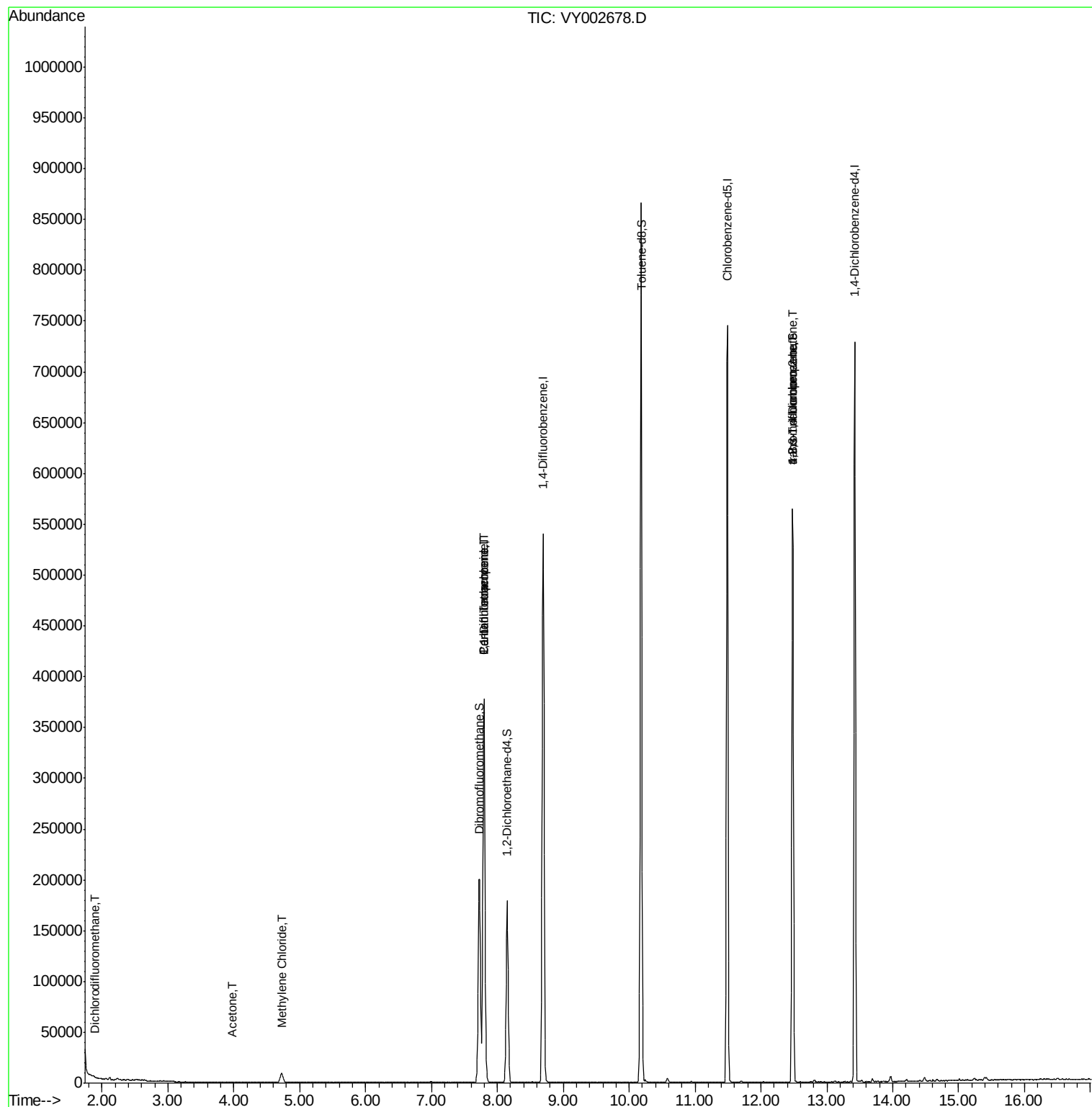
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	318457	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	492977	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	433870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	196695	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	137187	51.23	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.46%	
35) Dibromofluoromethane	7.72	113	148000	52.49	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	104.98%	
50) Toluene-d8	10.18	98	575069	52.23	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	104.46%	
62) 4-Bromofluorobenzene	12.48	95	176050	47.12	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	94.24%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	47	1.802	ug/l #	43
16) Acetone	3.97	43	948	1.716	ug/l #	70
20) Methylene Chloride	4.72	84	7815	2.529	ug/l #	87
36) 1,1-Dichloropropene	7.80	75	19585	4.739	ug/l #	50
38) Carbon Tetrachloride	7.80	117	28580	6.334	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	83157	47.574	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	83157	95.394	ug/l #	15

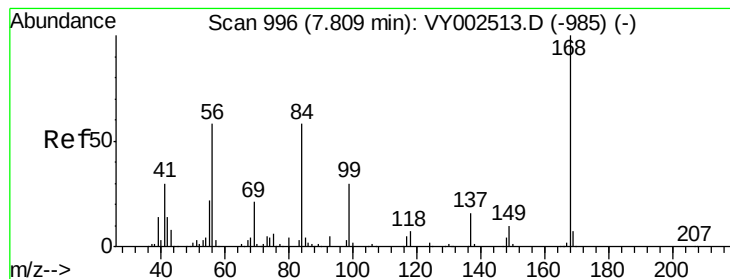
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002678.D

Acq: 13 May 2020 12:48

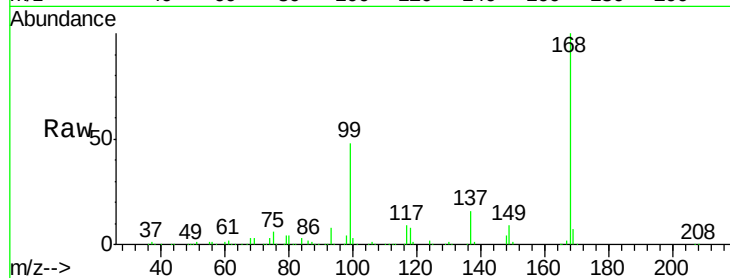
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 318457

Ion Ratio Lower Upper

168 100

99 48.4 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.80

150000

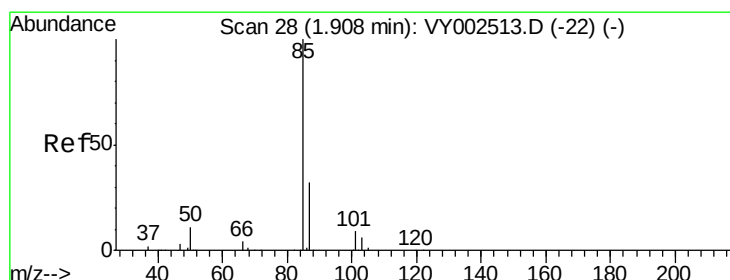
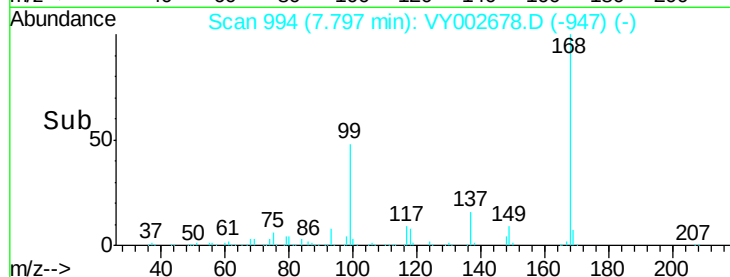
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 1.802 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.01 min

Lab File: VY002678.D

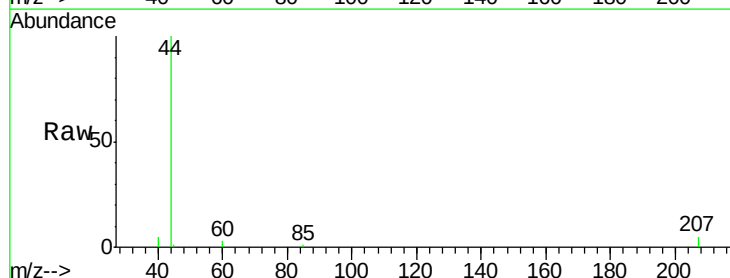
Acq: 13 May 2020 12:48

Tgt Ion: 85 Resp: 47

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.90

60

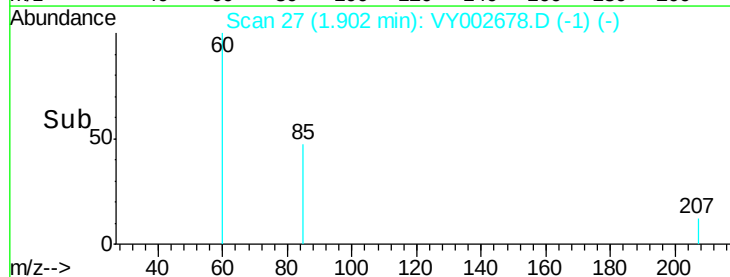
40

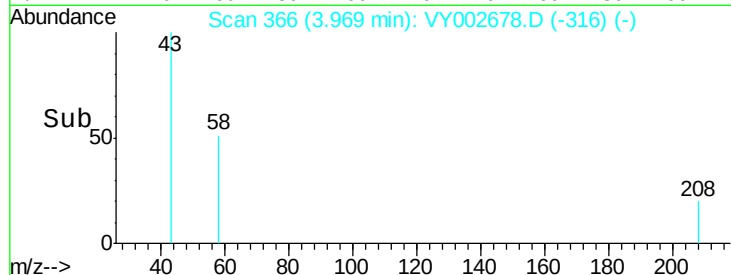
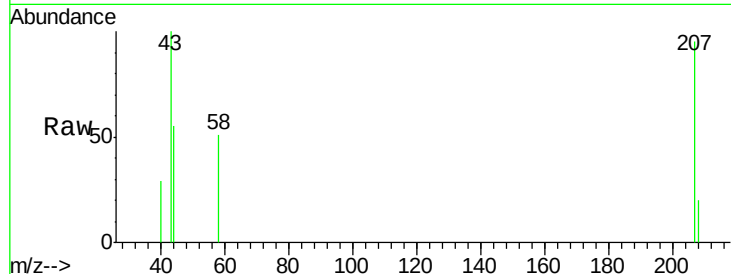
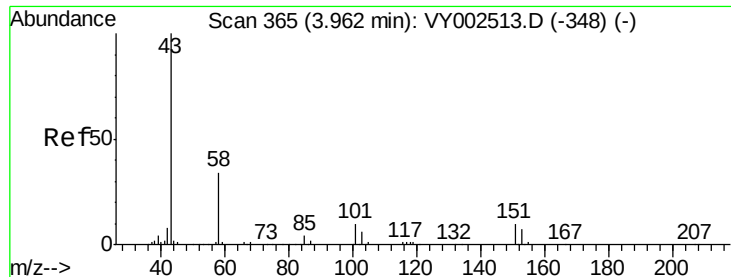
20

0

1.88 1.90 1.92

Time-->





#16

Acetone

Concen: 1.716 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY002678.D

Acq: 13 May 2020 12:48

Instrument :

MSVOA_Y

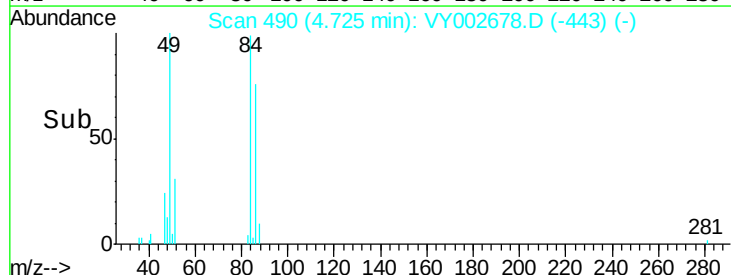
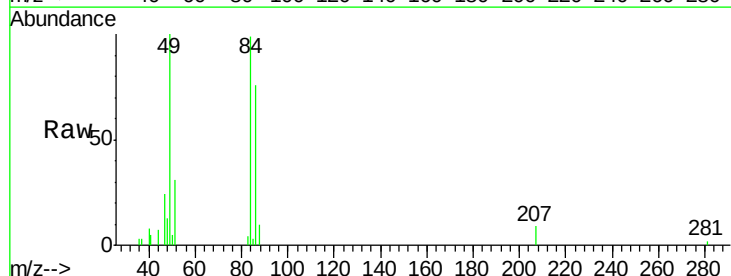
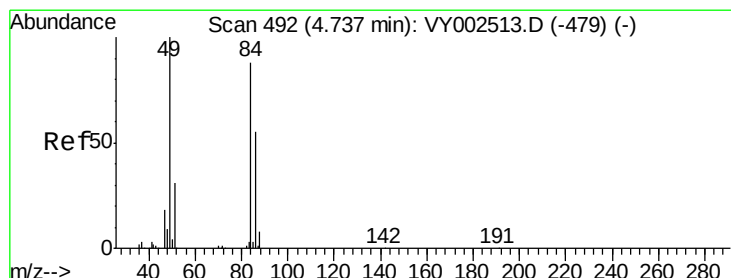
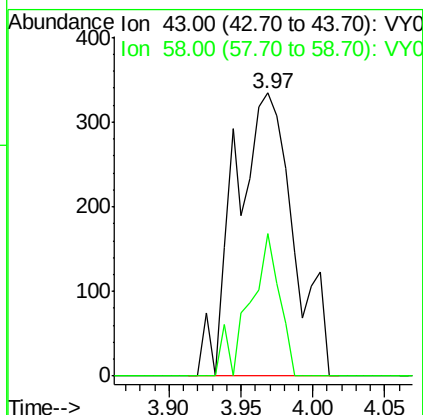
ClientSampleId :

Tot Ion: 43 Resp: 948

Ion Ratio Lower Upper

43 100

58 50.6 26.9 40.3#



#20

Methylene Chloride

Concen: 2.529 ug/l

RT: 4.72 min Scan# 490

Delta R.T. -0.01 min

Lab File: VY002678.D

Acq: 13 May 2020 12:48

Tgt Ion: 84 Resp: 7815

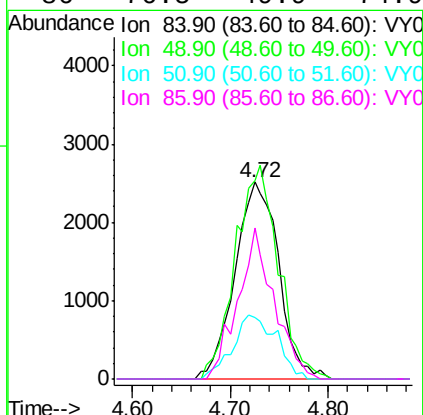
Ion Ratio Lower Upper

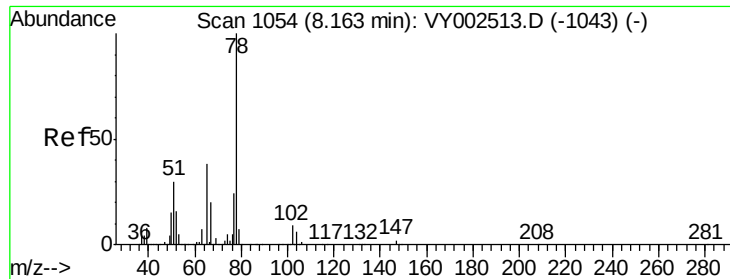
84 100

49 100.6 90.5 135.7

51 31.5 28.3 42.5

86 76.5 49.9 74.9#

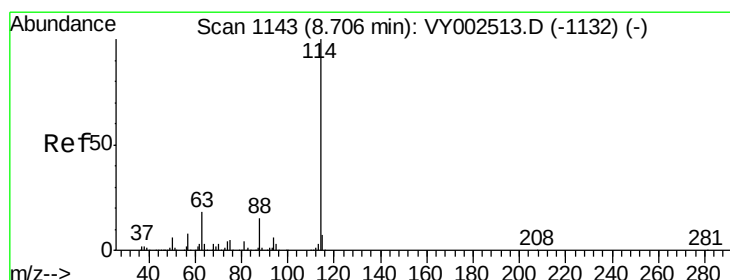
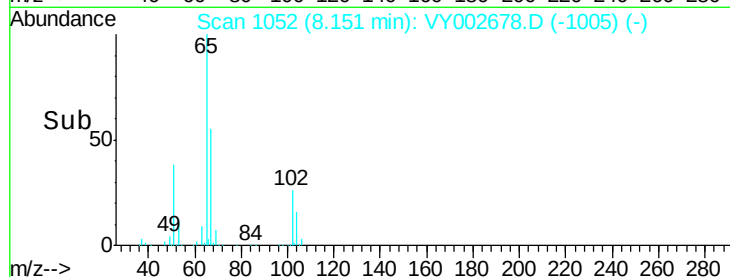
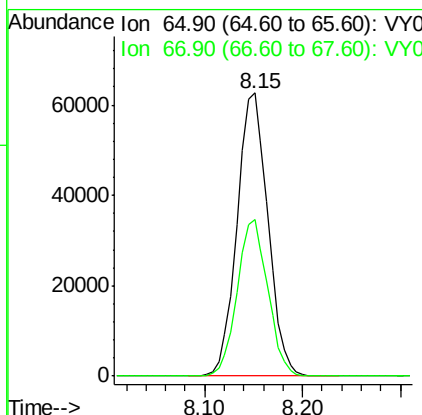
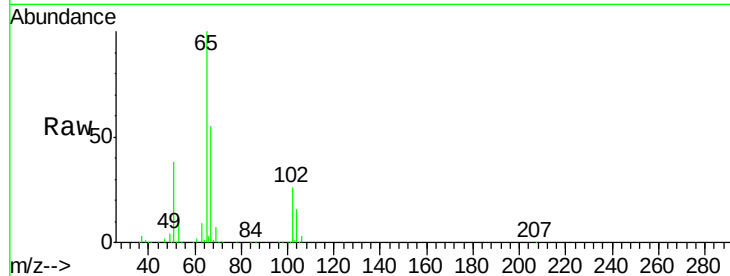




#33
 1,2-Dichloroethane-d4
 Concen: 51.234 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY002678.D
 Acq: 13 May 2020 12:48

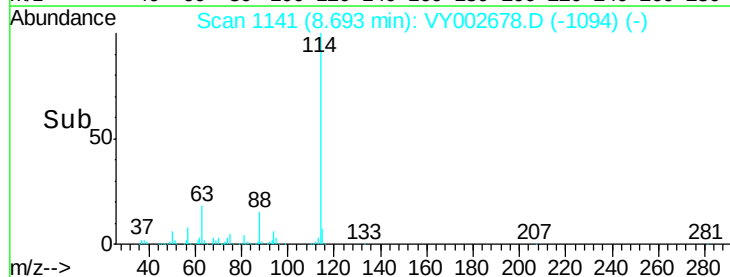
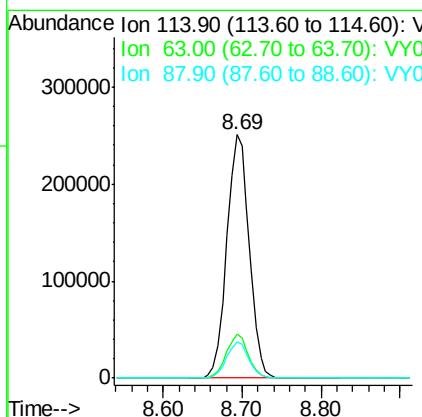
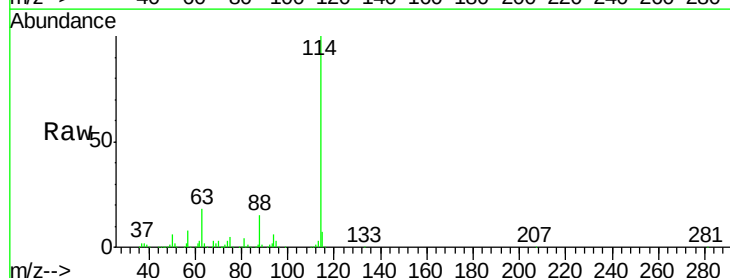
Instrument :
 MSVOA_Y
 ClientSampleId :

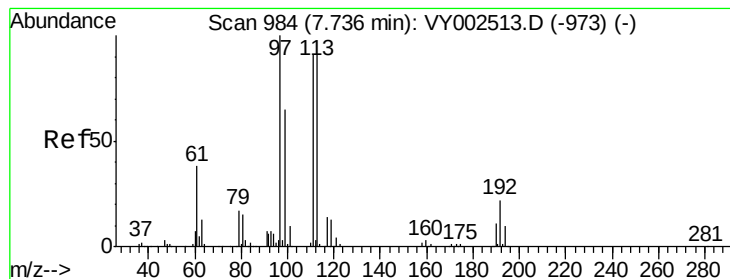
Tot Ion: 65 Resp: 137187
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY002678.D
 Acq: 13 May 2020 12:48

Tgt Ion: 114 Resp: 492977
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.4
 88 14.8 0.0 29.6





#35

Dibromofluoromethane

Concen: 52.494 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY002678.D

Acq: 13 May 2020 12:48

Instrument :
MSVOA_Y
ClientSampleId :

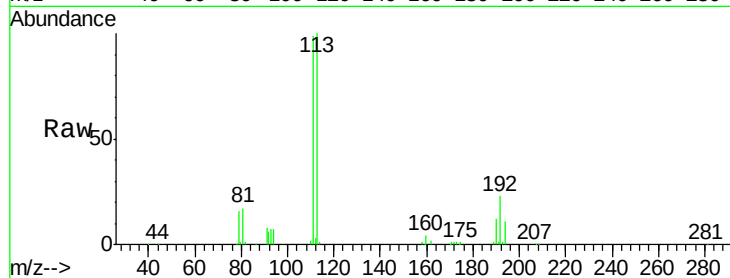
Tot Ion:113 Resp: 148000

Ion Ratio Lower Upper

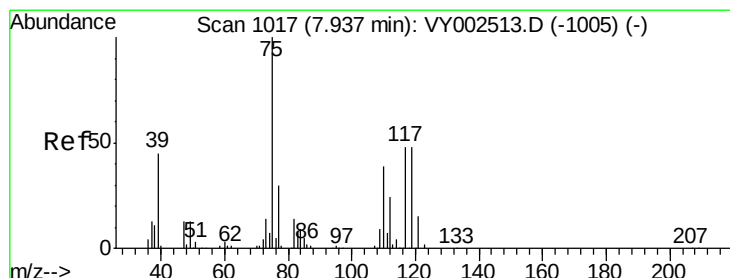
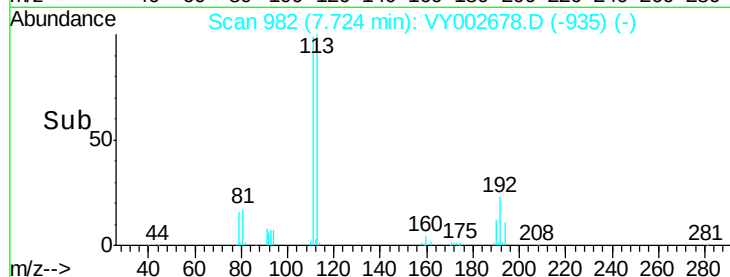
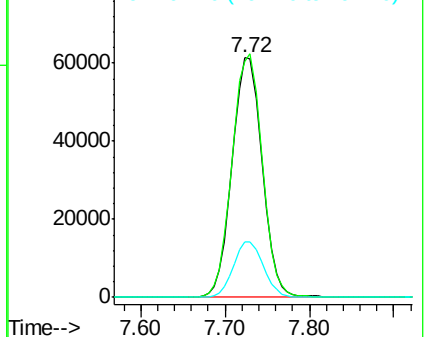
113 100

111 102.0 81.8 122.6

192 23.1 18.2 27.4



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: 4.739 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.14 min

Lab File: VY002678.D

Acq: 13 May 2020 12:48

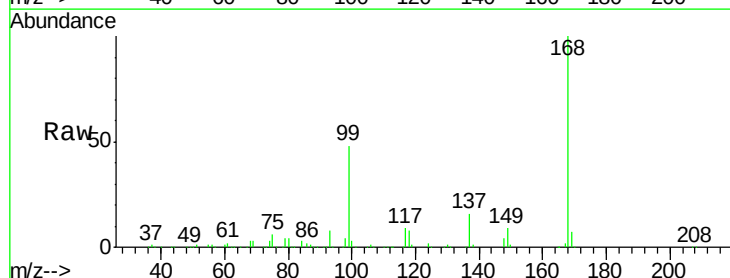
Tgt Ion: 75 Resp: 19585

Ion Ratio Lower Upper

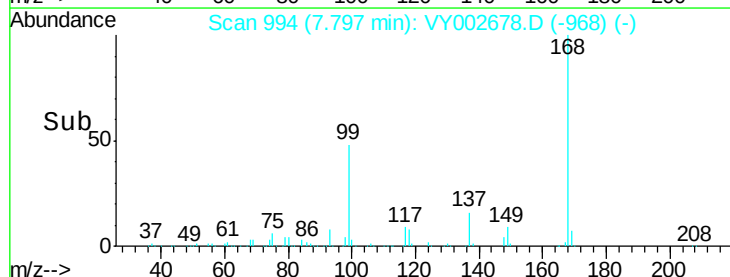
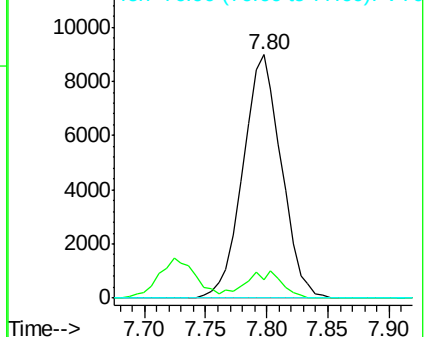
75 100

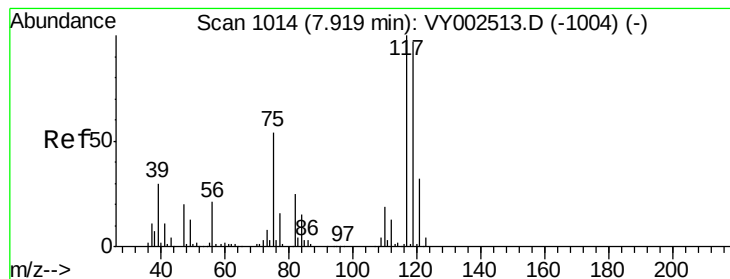
110 10.7 19.1 57.3#

77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.334 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY002678.D

Acq: 13 May 2020 12:48

Instrument :

MSVOA_Y

ClientSampleId :

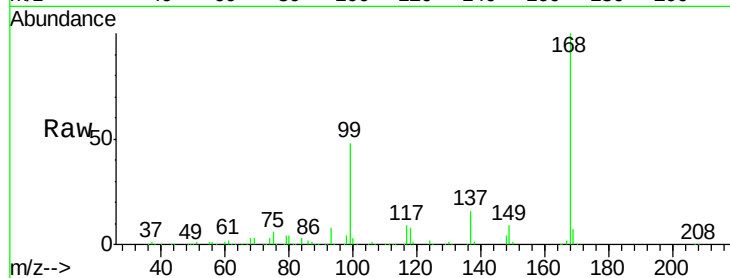
Tot Ion:117 Resp: 28580

Ion Ratio Lower Upper

117 100

119 5.8 77.1 115.7#

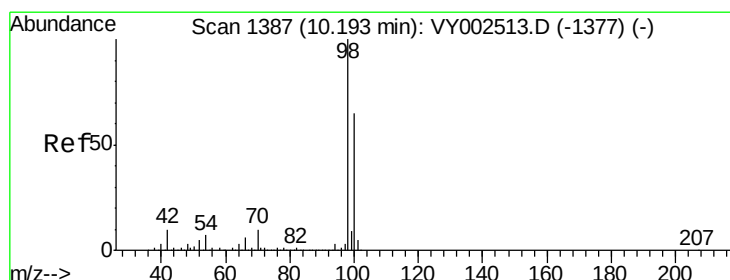
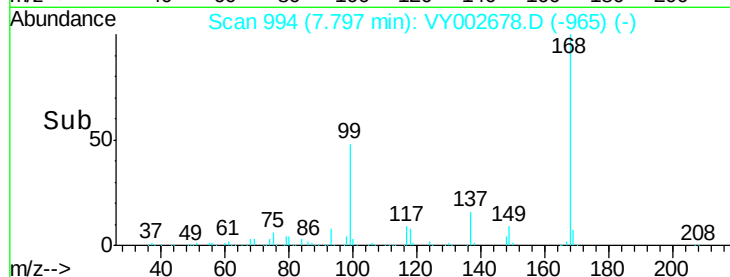
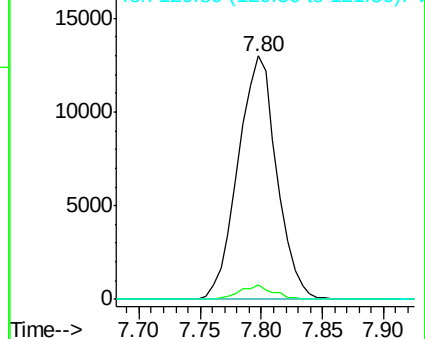
121 0.0 25.2 37.8#



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: 52.232 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002678.D

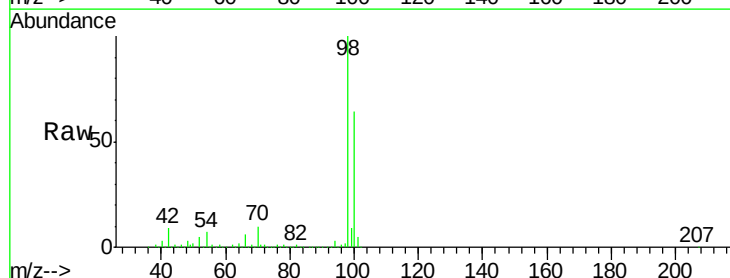
Acq: 13 May 2020 12:48

Tgt Ion: 98 Resp: 575069

Ion Ratio Lower Upper

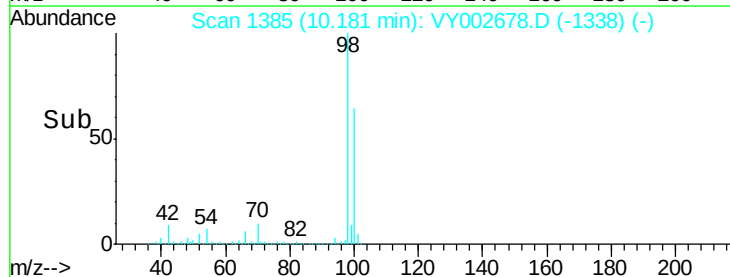
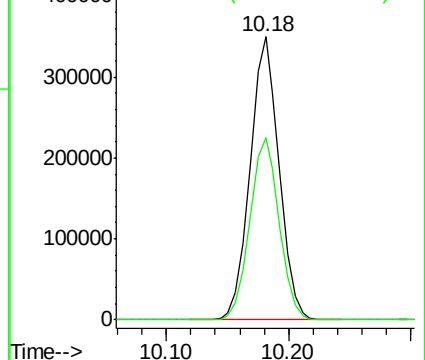
98 100

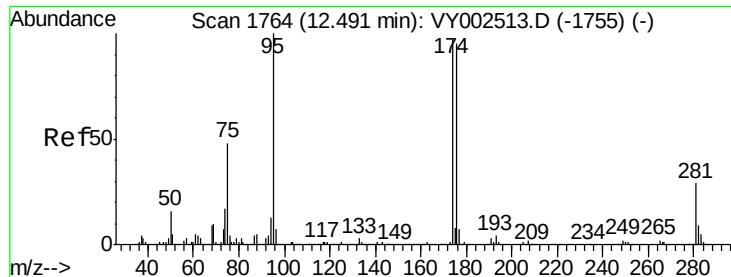
100 65.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

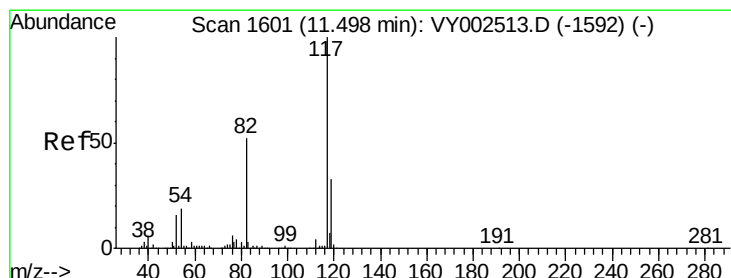
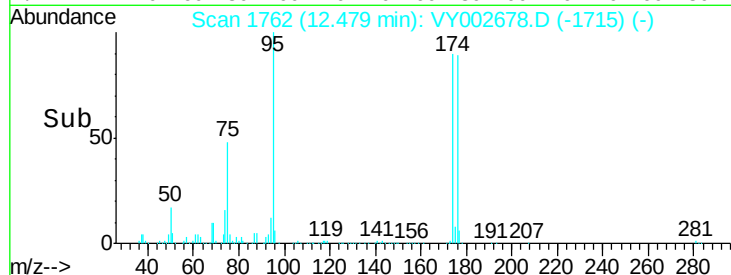
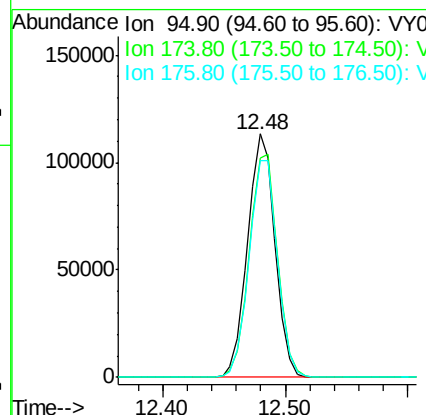
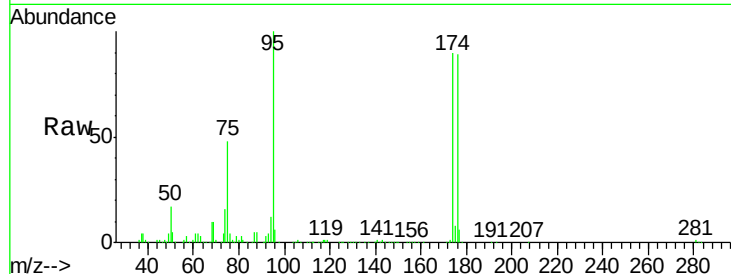




#62
4-Bromofluorobenzene
Concen: 47.123 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY002678.D
Acq: 13 May 2020 12:48

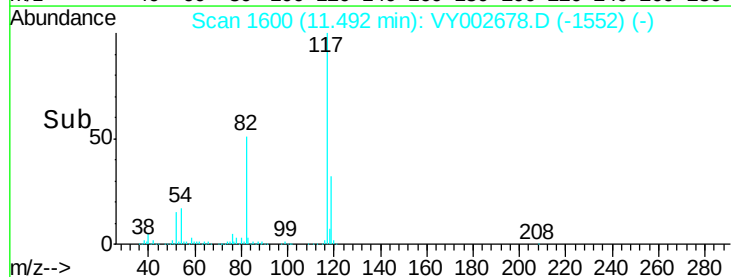
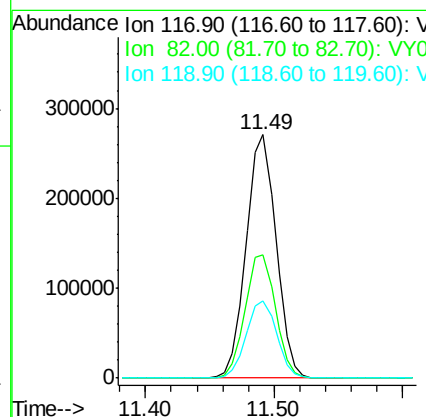
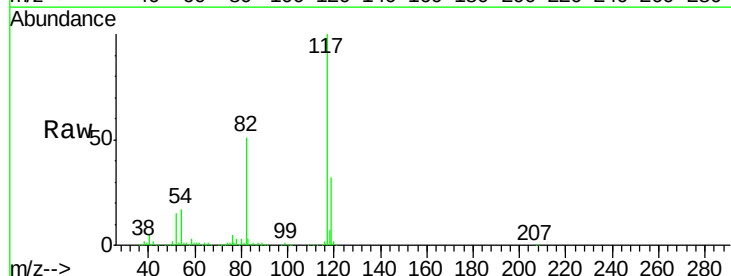
Instrument :
MSVOA_Y
ClientSampled :

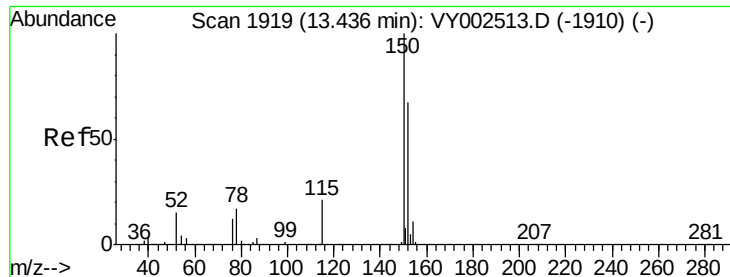
Tot Ion	95	Resp	176050
Ion Ratio	Lower	Upper	
95	100		
174	94.6	0.0	188.8
176	92.4	0.0	183.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002678.D
Acq: 13 May 2020 12:48

Tgt Ion	117	Resp	433870
Ion Ratio	Lower	Upper	
117	100		
82	50.7	41.3	61.9
119	31.9	26.0	39.0



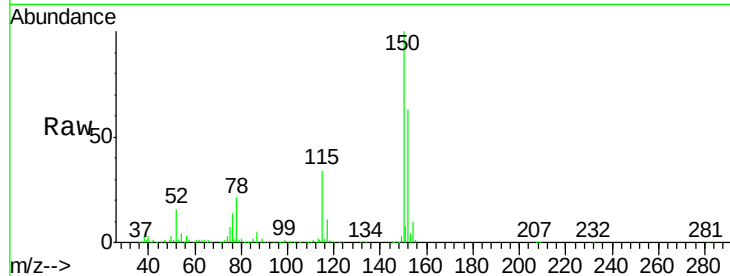


#72

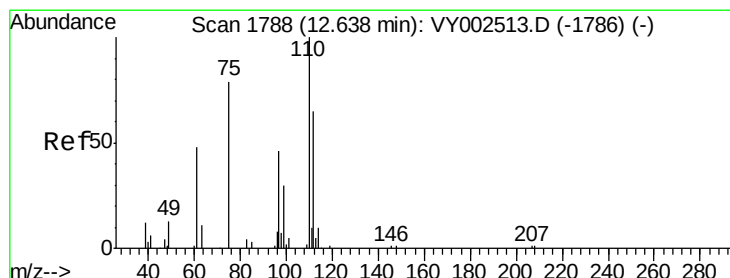
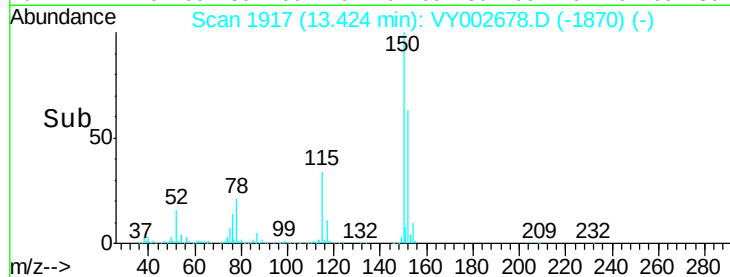
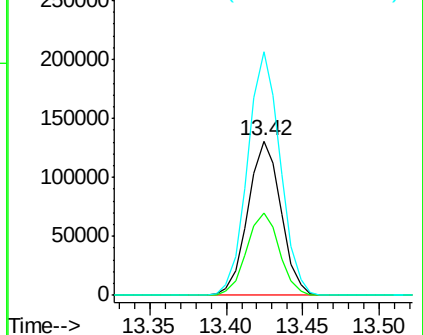
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002678.D
Acq: 13 May 2020 12:48

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 196695
Ion Ratio Lower Upper
152 100
115 53.2 27.5 82.4
150 155.9 0.0 346.4



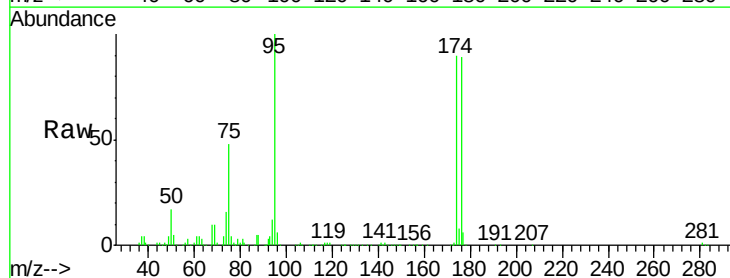
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



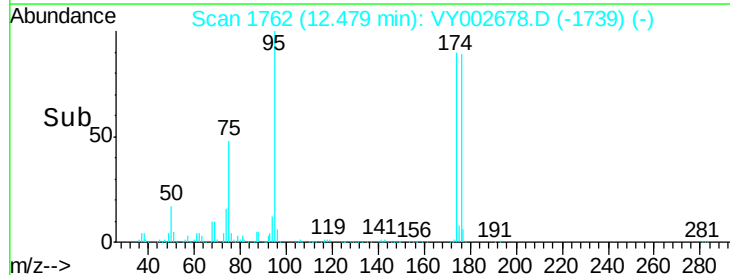
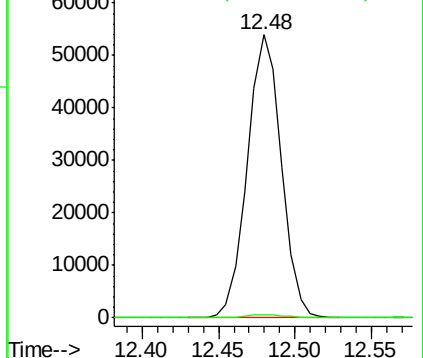
#76

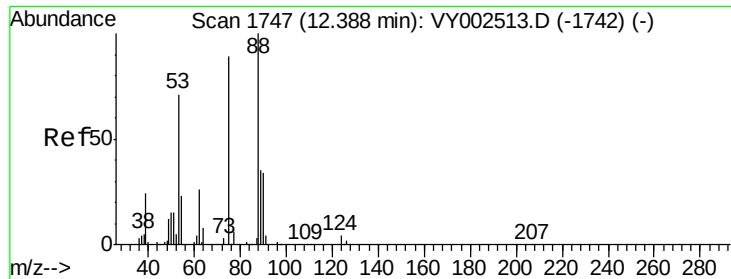
1,2,3-Trichloropropane
Concen: 47.574 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY002678.D
Acq: 13 May 2020 12:48

Tgt Ion: 75 Resp: 83157
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: 95.394 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002678.D

Acq: 13 May 2020 12:48

Instrument :

MSVOA_Y

ClientSampleId :

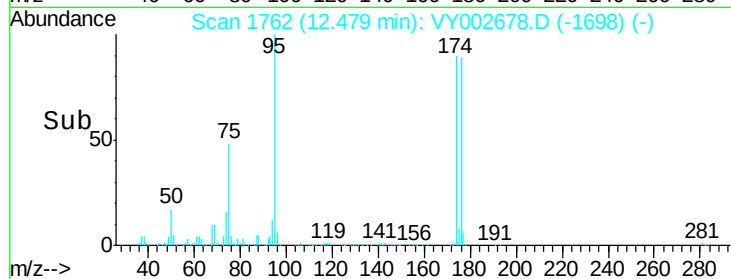
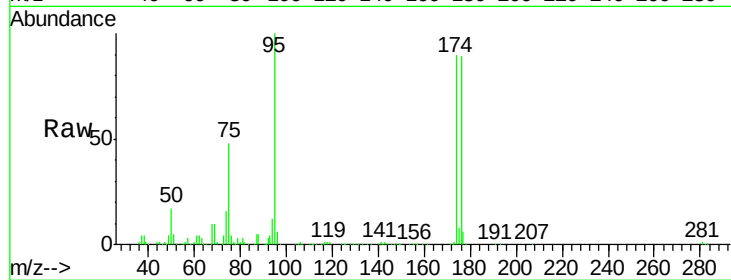
Tot Ion: 75 Resp: 83157

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.0 37.4 56.0#



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

