

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY022620\
 Data File : VY001777.D
 Acq On : 26 Feb 2020 12:07
 Operator : SY/MD
 Sample : L1679-01
 Misc : 8.29G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1-12-12.5

Quant Time: Feb 26 15:32:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	158856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	296961	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	270583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	118276	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	95916	56.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.26%	
35) Dibromofluoromethane	7.75	113	85811	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	10.19	98	363504	54.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.10%	
62) 4-Bromofluorobenzene	12.49	95	124395	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	

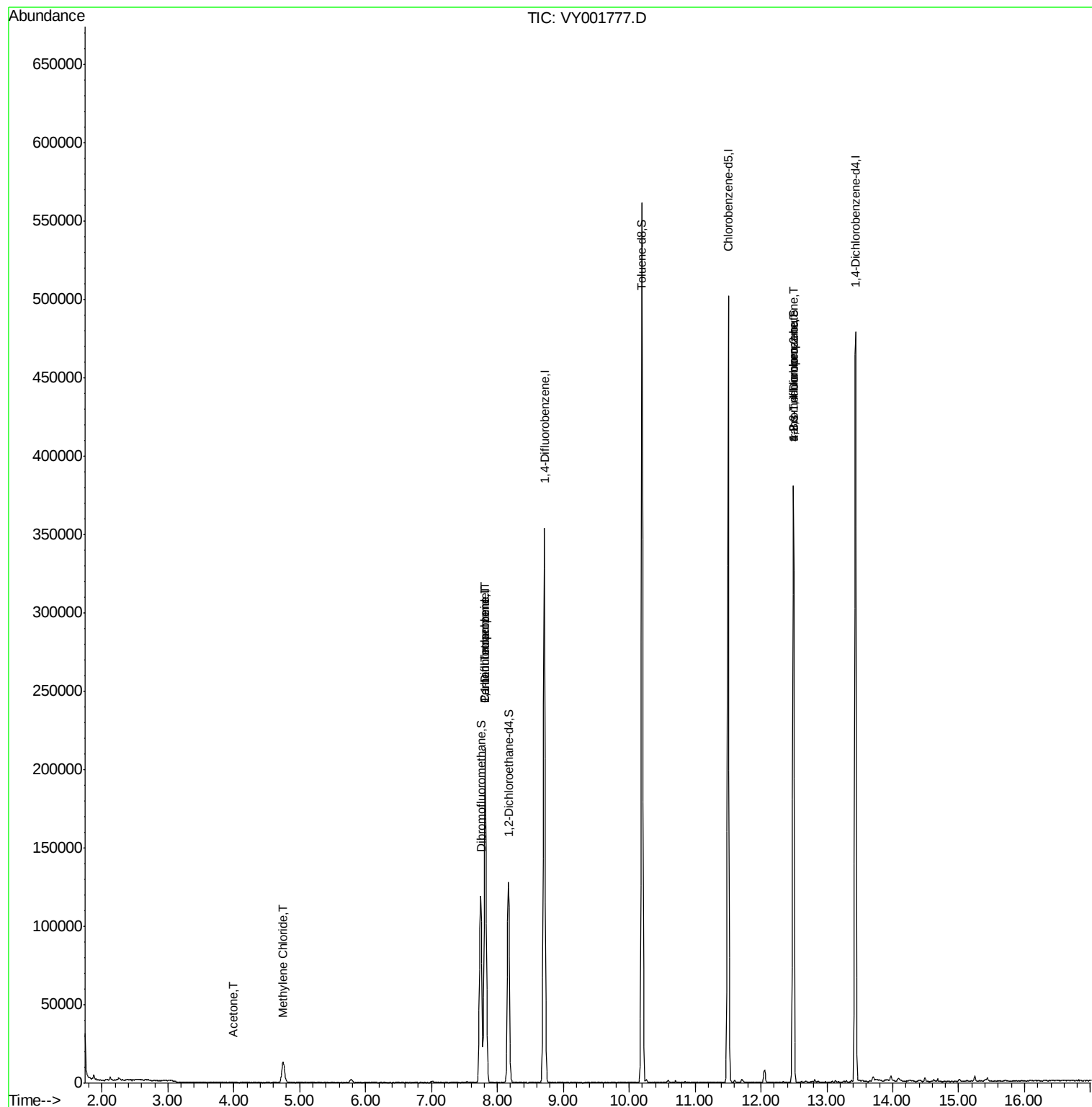
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	288	Below Cal	#	74
16) Acetone	3.99	43	1212	2.05	ug/l	89
20) Methylene Chloride	4.75	84	9982	4.75	ug/l	91
36) 1,1-Dichloropropene	7.82	75	13502	4.76	ug/l	# 50
38) Carbon Tetrachloride	7.82	117	16411	6.59	ug/l	# 16
76) 1,2,3-Trichloropropane	12.49	75	61807	45.55	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.49	75	61807	86.42	ug/l	# 17

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001777.D

Acq: 26 Feb 2020 12:07

Instrument :

MSVOA_Y

ClientSampleId :

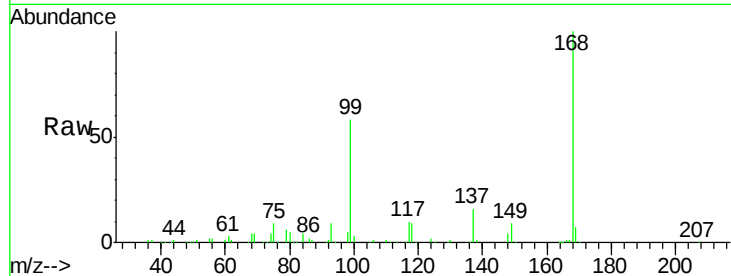
SB-1-12-12.5

Tgt Ion: 168 Resp: 158856

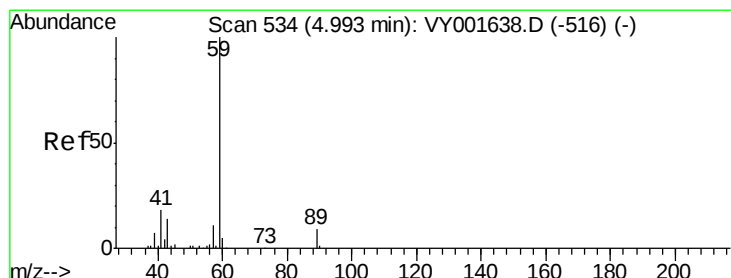
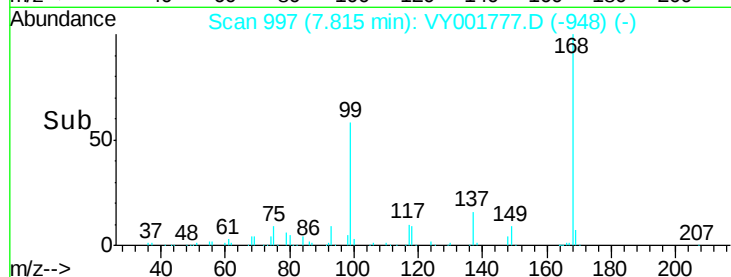
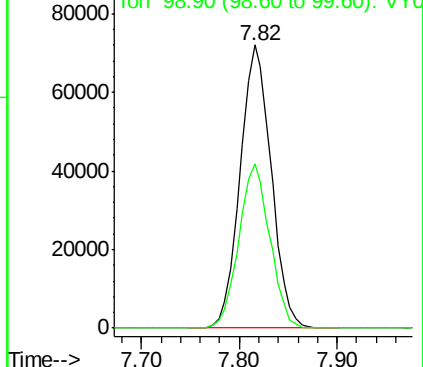
Ion Ratio Lower Upper

168 100

99 58.1 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001777.D (-948) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 534

Delta R.T. 0.00 min

Lab File: VY001777.D

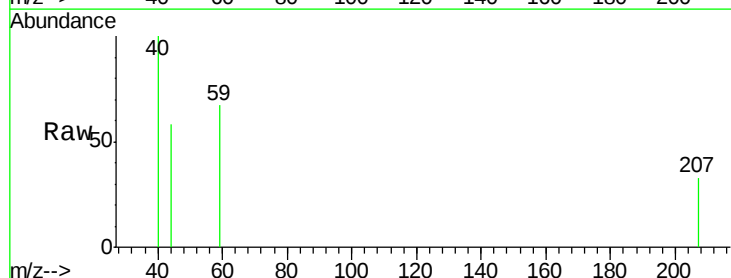
Acq: 26 Feb 2020 12:07

Tgt Ion: 59 Resp: 288

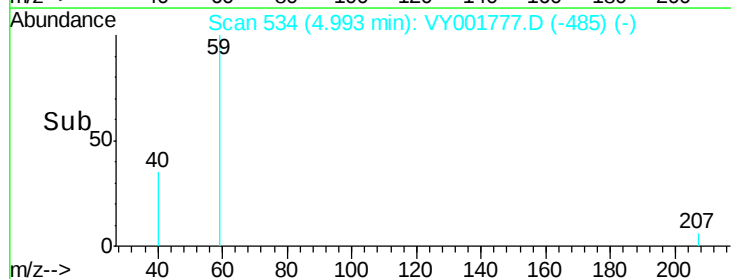
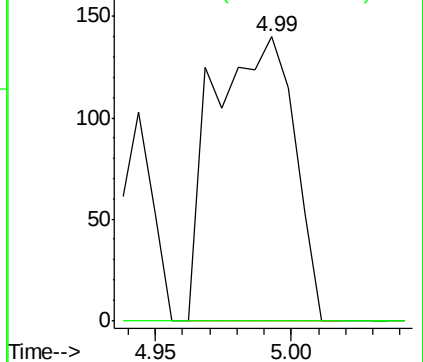
Ion Ratio Lower Upper

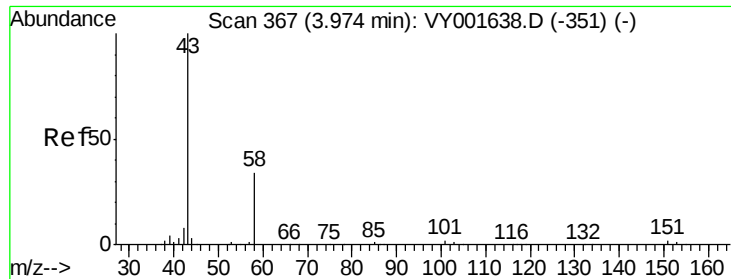
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001777.D (-485) (-)





#16

Acetone

Concen: 2.05 ug/l

RT: 3.99 min Scan# 370

Delta R.T. 0.02 min

Lab File: VY001777.D

Acq: 26 Feb 2020 12:07

Instrument :

MSVOA_Y

ClientSampleId :

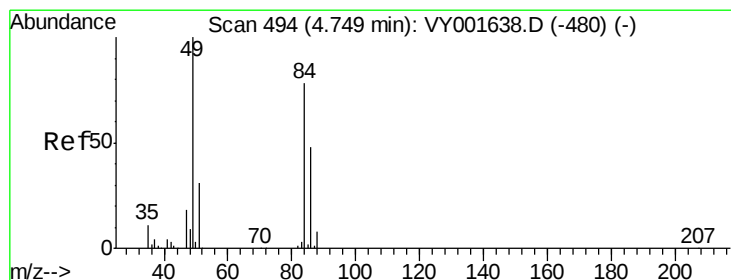
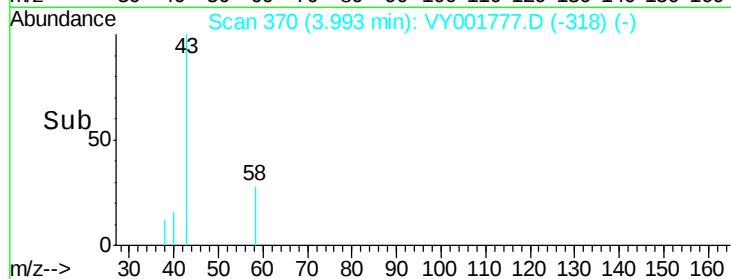
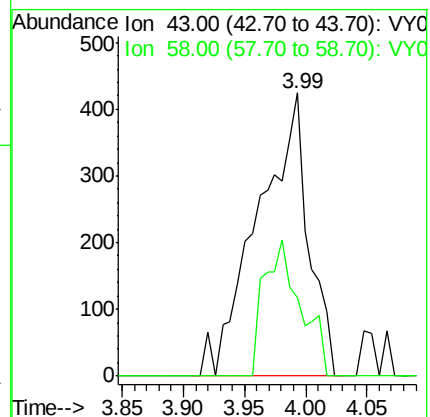
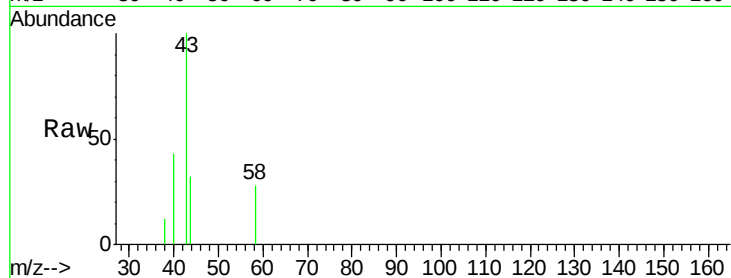
SB-1-12-12.5

Tgt Ion: 43 Resp: 1212

Ion Ratio Lower Upper

43 100

58 27.8 27.3 40.9



#20

Methylene Chloride

Concen: 4.75 ug/l

RT: 4.75 min Scan# 494

Delta R.T. 0.00 min

Lab File: VY001777.D

Acq: 26 Feb 2020 12:07

Tgt Ion: 84 Resp: 9982

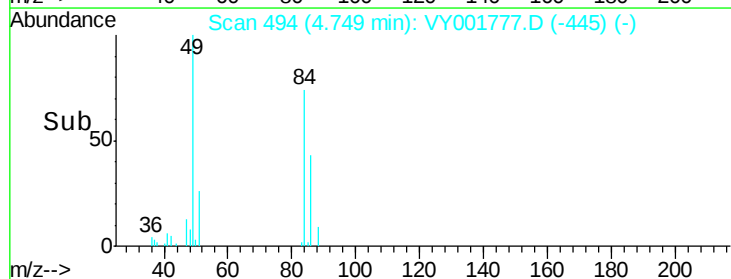
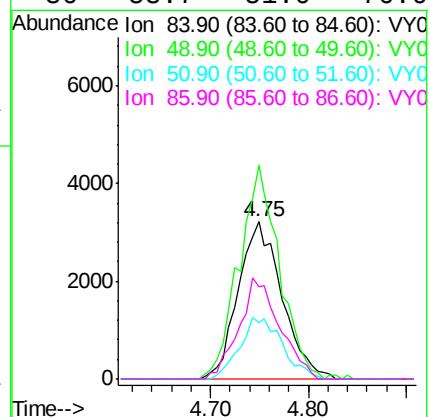
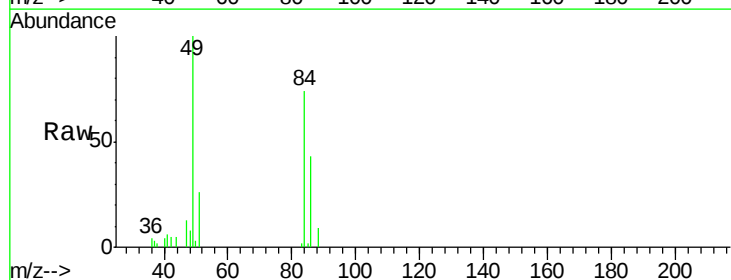
Ion Ratio Lower Upper

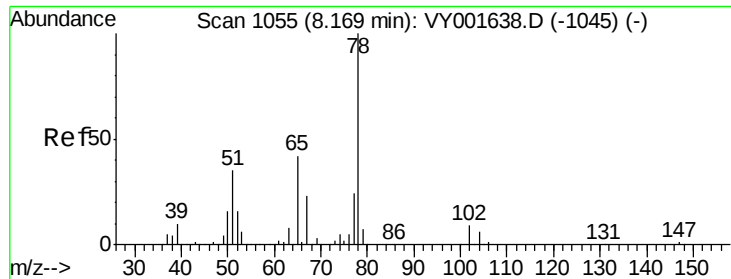
84 100

49 135.7 99.2 148.8

51 35.7 31.5 47.3

86 58.7 51.0 76.6

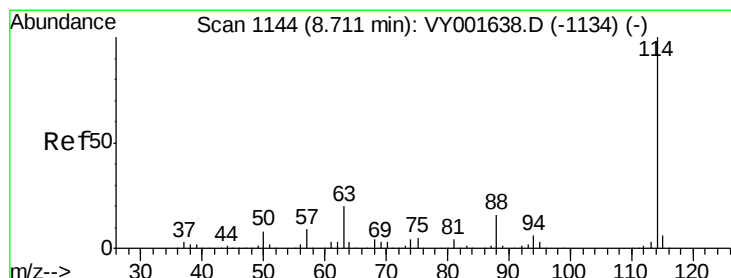
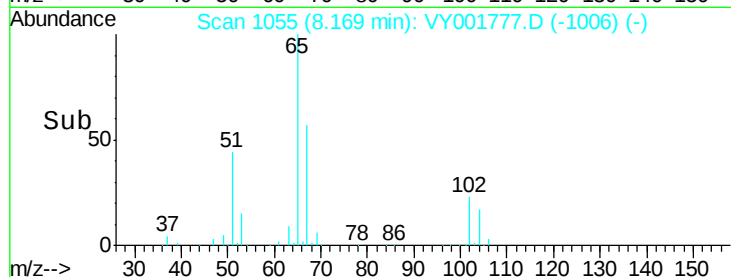
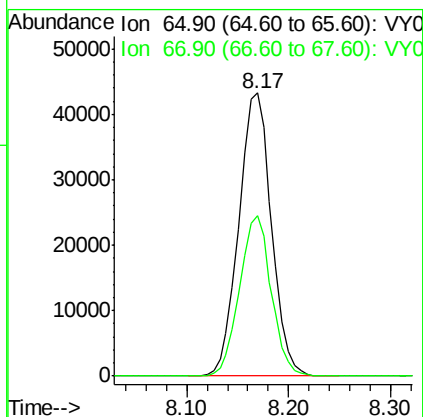
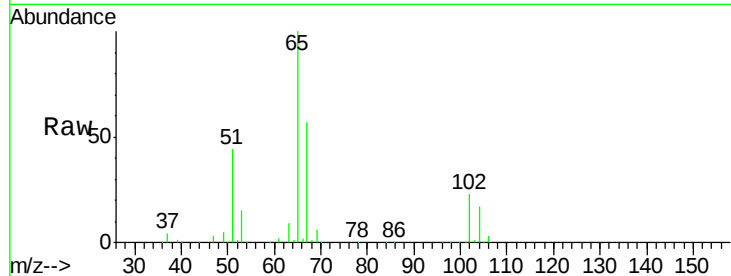




#33
 1,2-Dichloroethane-d4
 Concen: 56.13 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY001777.D
 Acq: 26 Feb 2020 12:07

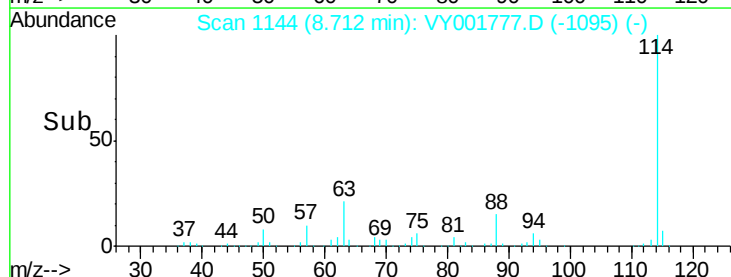
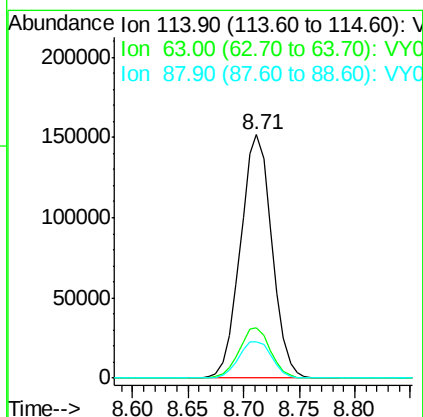
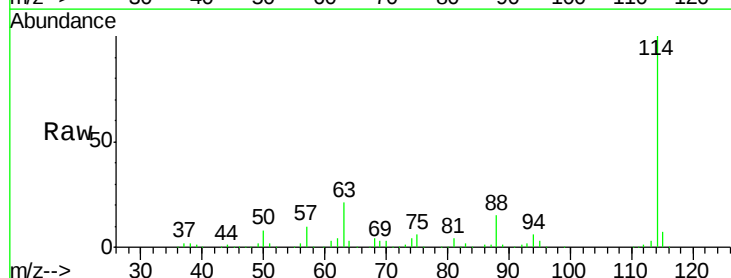
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1-12-12.5

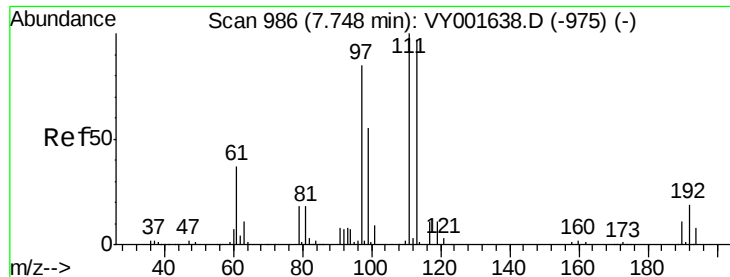
Tgt Ion: 65 Resp: 95916
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001777.D
 Acq: 26 Feb 2020 12:07

Tgt Ion: 114 Resp: 296961
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 41.4
 88 15.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.45 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.00 min

Lab File: VY001777.D

Acq: 26 Feb 2020 12:07

Instrument :

MSVOA_Y

ClientSampleId :

SB-1-12-12.5

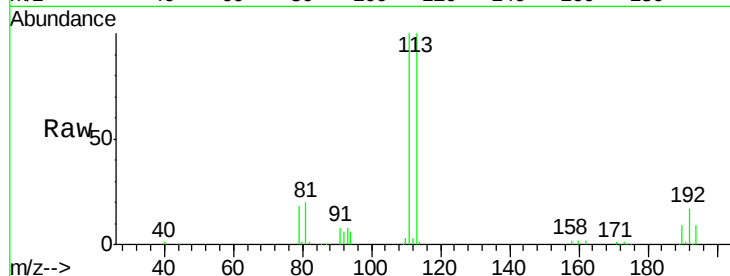
Tgt Ion:113 Resp: 85811

Ion Ratio Lower Upper

113 100

111 102.9 81.9 122.9

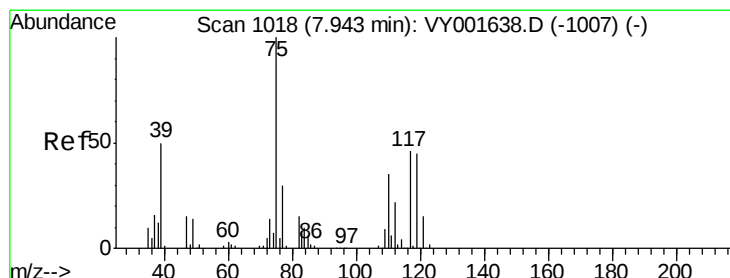
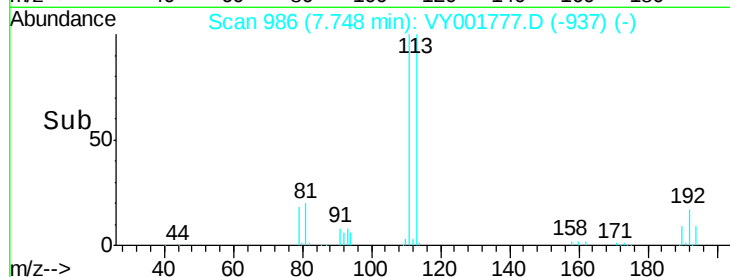
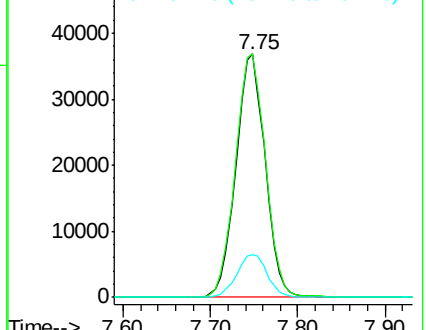
192 18.2 14.3 21.5



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: 4.76 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.13 min

Lab File: VY001777.D

Acq: 26 Feb 2020 12:07

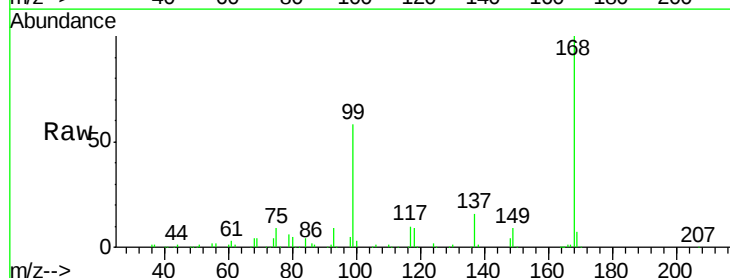
Tgt Ion: 75 Resp: 13502

Ion Ratio Lower Upper

75 100

110 8.4 17.2 51.6#

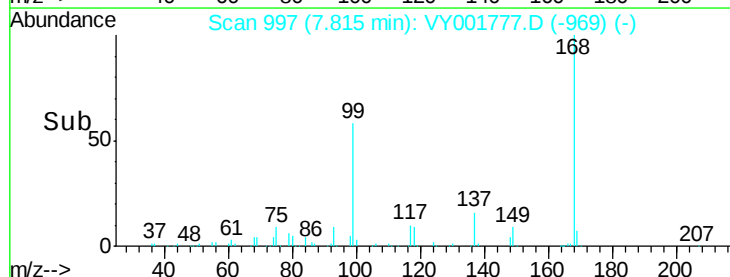
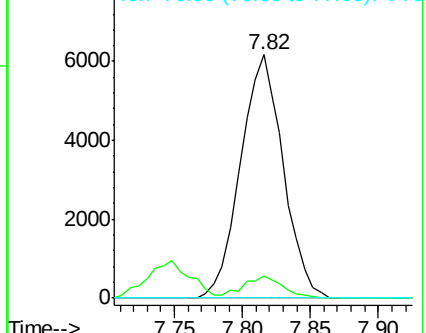
77 0.0 24.8 37.2#

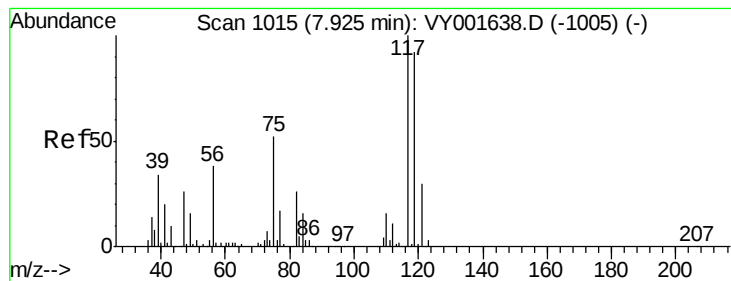


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.59 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.11 min

Lab File: VY001777.D

Acq: 26 Feb 2020 12:07

Instrument :

MSVOA_Y

ClientSampleId :

SB-1-12-12.5

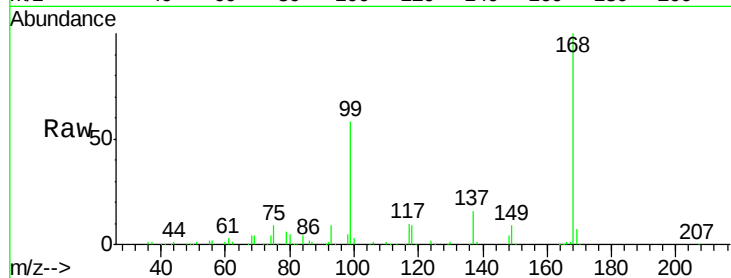
Tgt Ion:117 Resp: 16411

Ion Ratio Lower Upper

117 100

119 3.9 74.8 112.2#

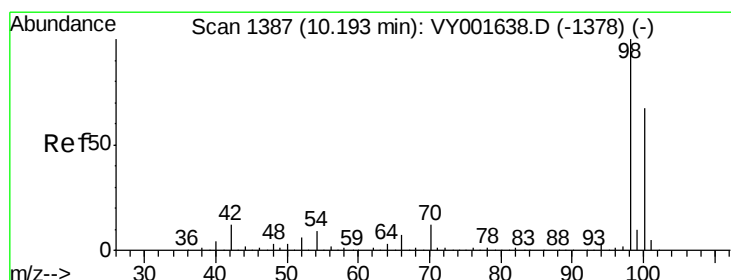
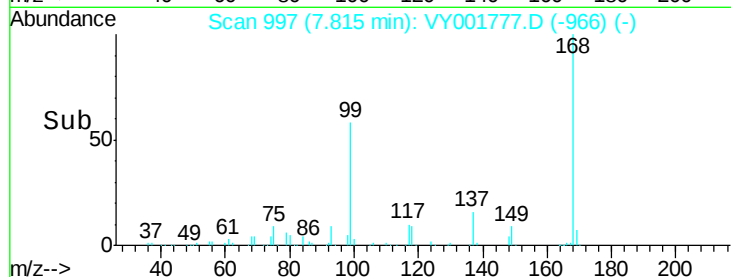
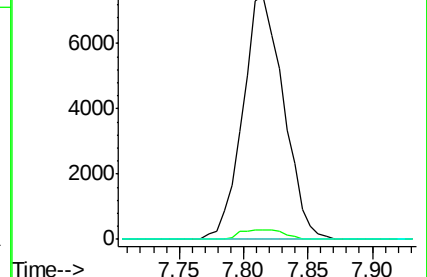
121 0.0 23.8 35.6#



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: 54.55 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001777.D

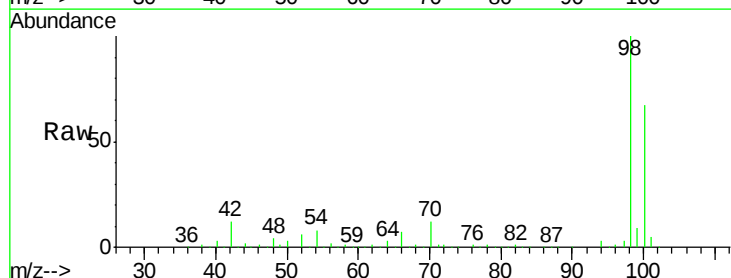
Acq: 26 Feb 2020 12:07

Tgt Ion: 98 Resp: 363504

Ion Ratio Lower Upper

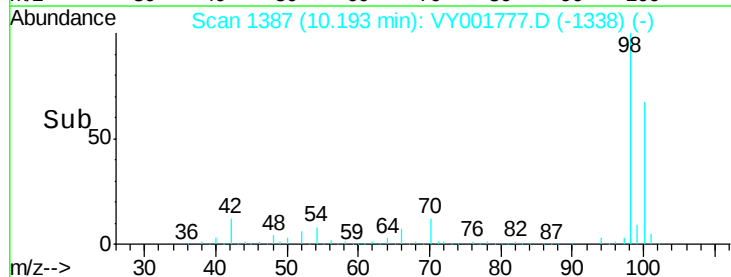
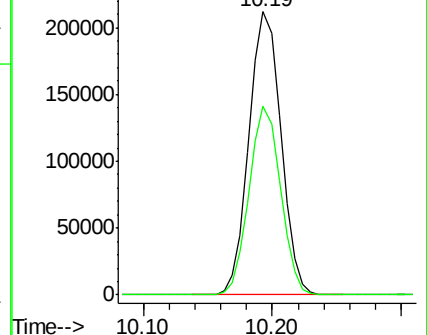
98 100

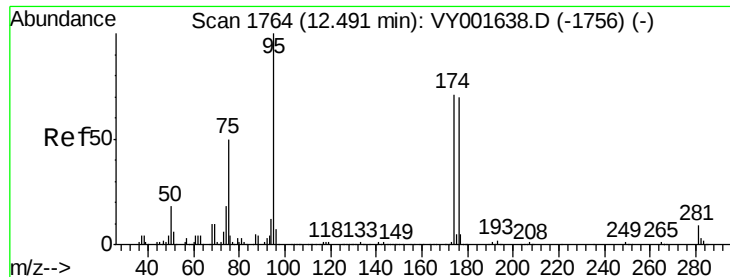
100 65.6 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

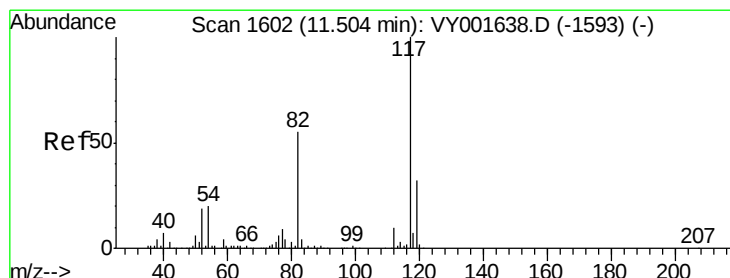
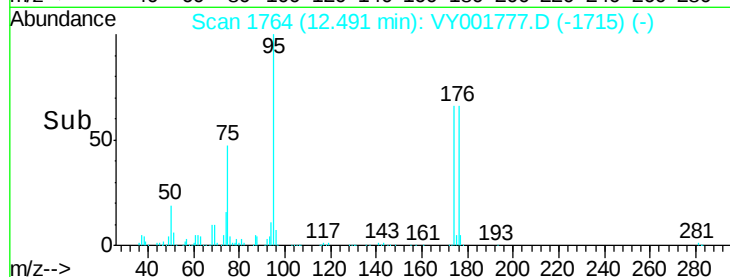
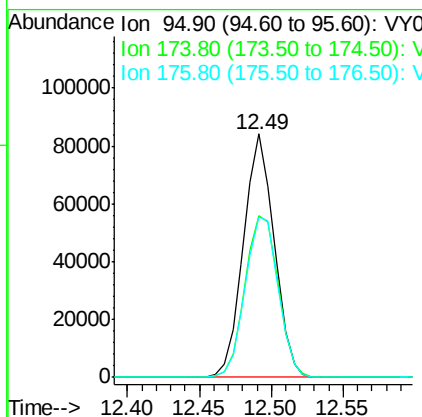
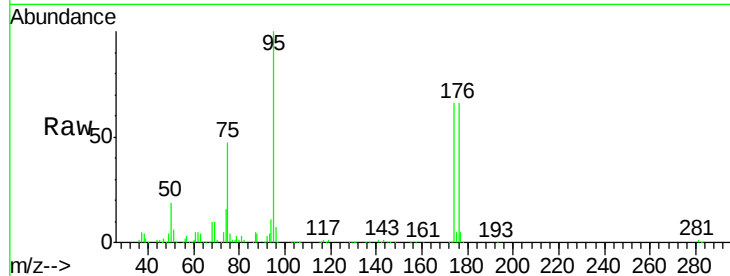




#62
4-Bromofluorobenzene
Concen: 48.05 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY001777.D
Acq: 26 Feb 2020 12:07

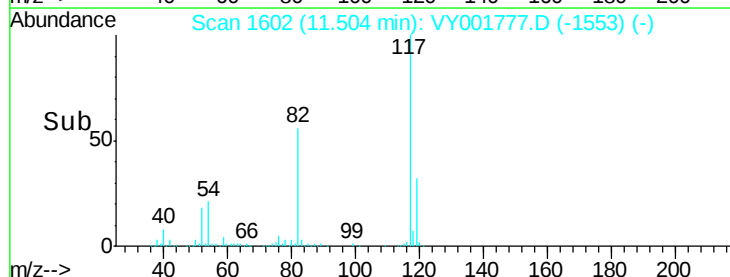
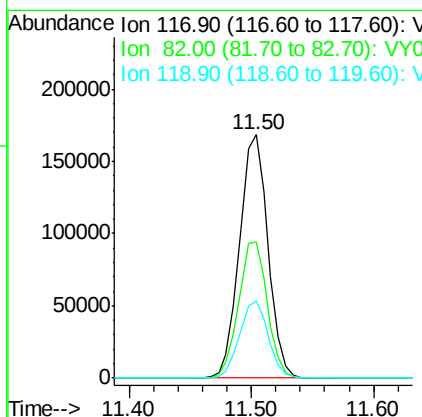
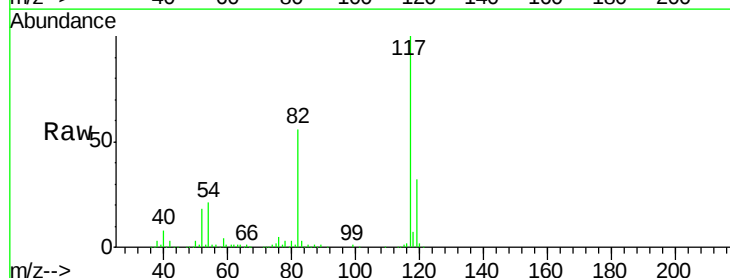
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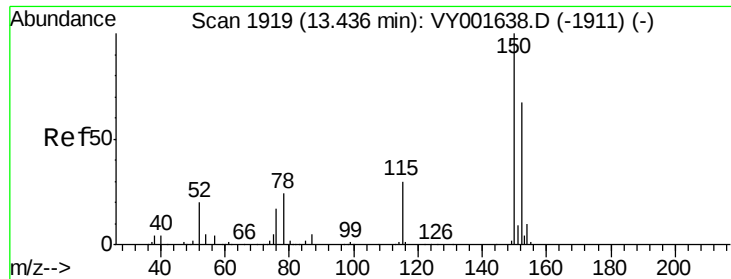
Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	138.4
176	70.4	0.0	131.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001777.D
Acq: 26 Feb 2020 12:07

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.8	45.5	68.3
119	31.8	25.8	38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001777.D

Acq: 26 Feb 2020 12:07

Instrument :

MSVOA_Y

ClientSampleId :

SB-1-12-12.5

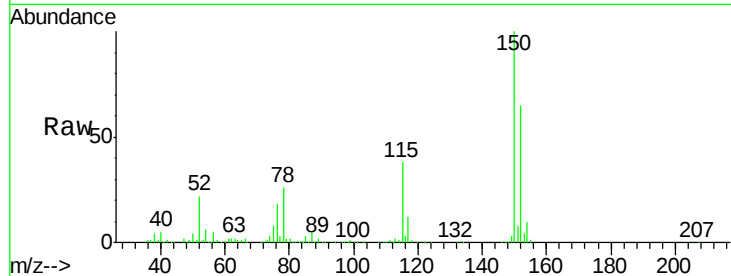
Tgt Ion:152 Resp: 118276

Ion Ratio Lower Upper

152 100

115 61.0 31.4 94.2

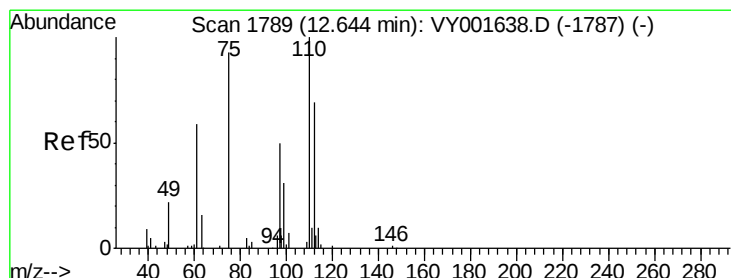
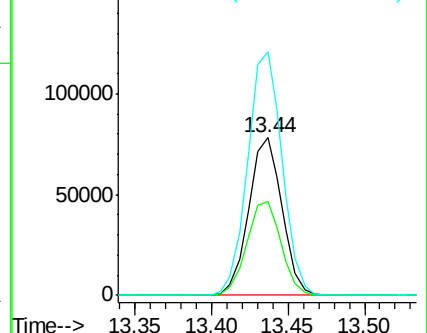
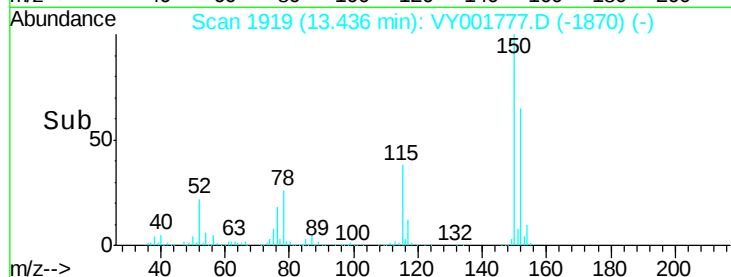
150 159.1 0.0 407.2



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: 45.55 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001777.D

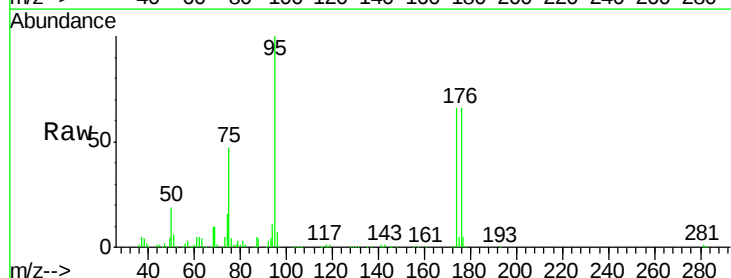
Acq: 26 Feb 2020 12:07

Tgt Ion: 75 Resp: 61807

Ion Ratio Lower Upper

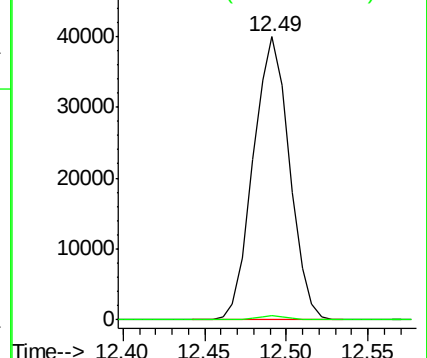
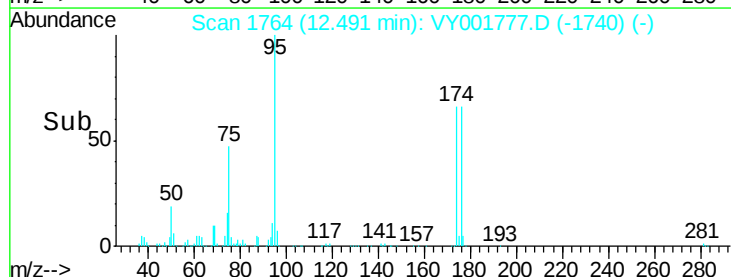
75 100

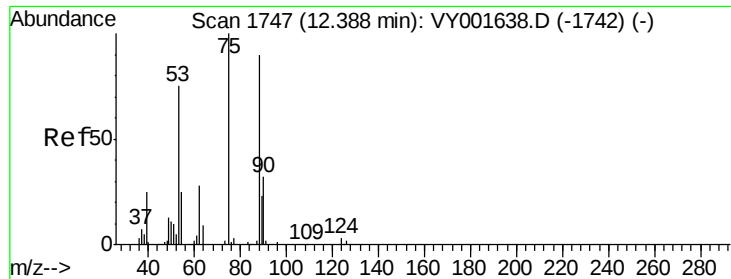
77 1.5 0.0 0.0#



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: 86.42 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001777.D

Acq: 26 Feb 2020 12:07

Instrument :

MSVOA_Y

ClientSampleId :

SB-1-12-12.5

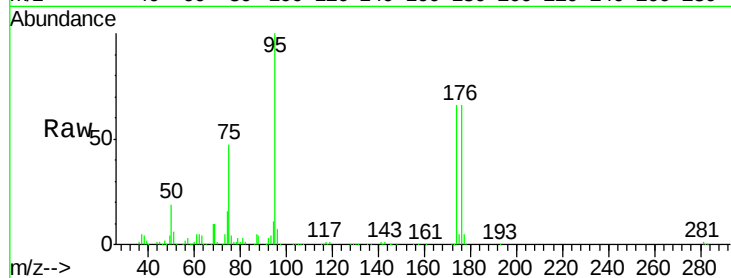
Tgt Ion: 75 Resp: 61807

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.0 36.3 54.5#



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

