

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001653.D
 Acq On : 17 Feb 2020 17:51
 Operator : SY/MD
 Sample : L1546-10
 Misc : 7.84G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 18 00:37:21 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	137353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	262784	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	235424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	97598	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	80786	54.68	ug/l	0.00
Spiked Amount			Recovery	=	109.36%	
35) Dibromofluoromethane	7.74	113	76417	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
50) Toluene-d8	10.19	98	315812	53.56	ug/l	0.00
Spiked Amount			Recovery	=	107.12%	
62) 4-Bromofluorobenzene	12.49	95	104299	45.53	ug/l	0.00
Spiked Amount			Recovery	=	91.06%	

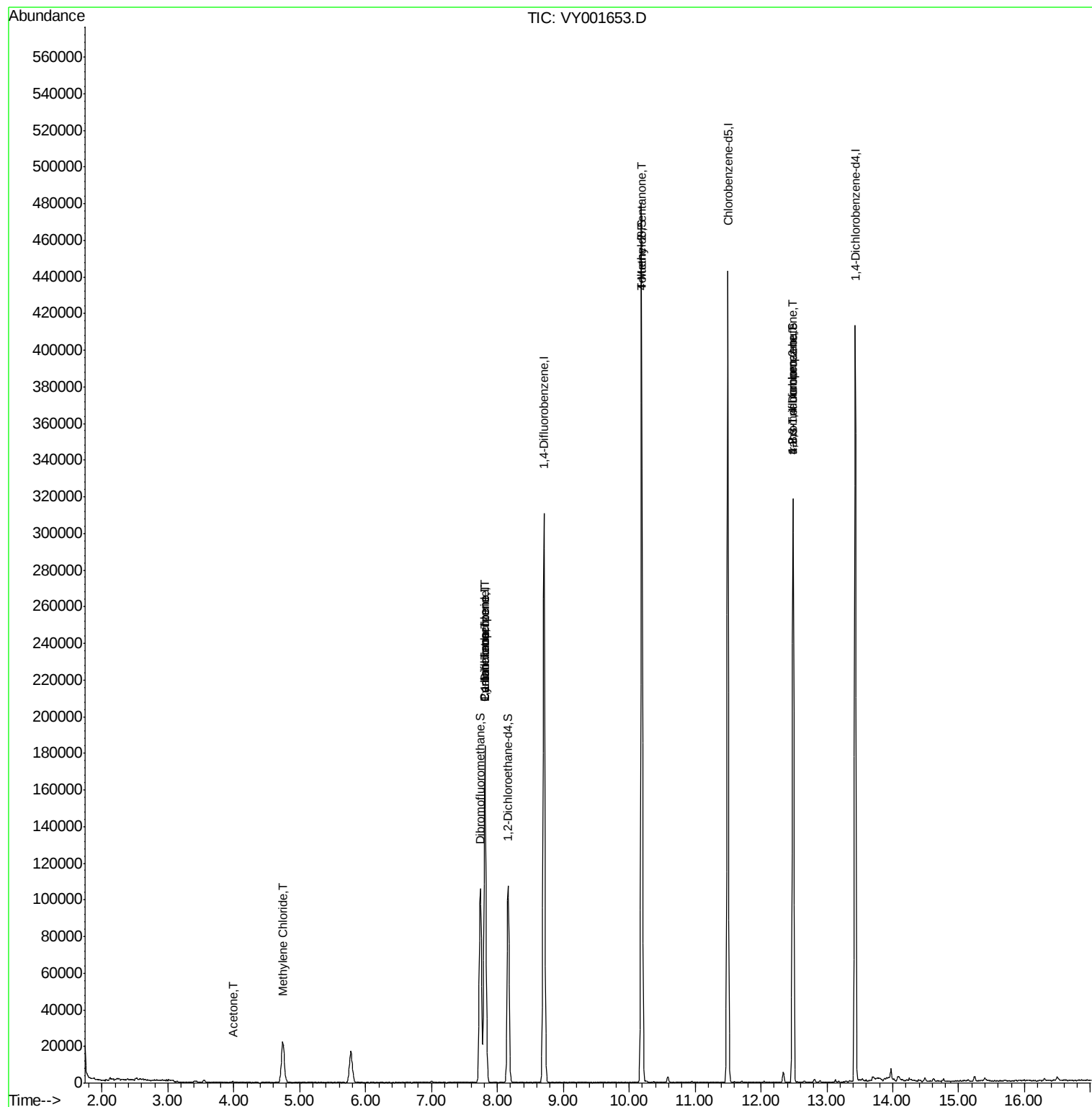
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	68	Below Cal	#	74
16) Acetone	3.98	43	800	1.565	ug/l	90
20) Methylene Chloride	4.74	84	16738	9.218	ug/l	98
31) Cyclohexane	7.81	56	3183	1.025	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	11590	4.617	ug/l #	49
38) Carbon Tetrachloride	7.82	117	14166	6.425	ug/l #	16
51) 4-Methyl-2-Pentanone	10.19	43	1466	1.004	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	53151	47.474	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	53151	90.067	ug/l #	17

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

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Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001653.D

Acq: 17 Feb 2020 17:51

Instrument :

MSVOA_Y

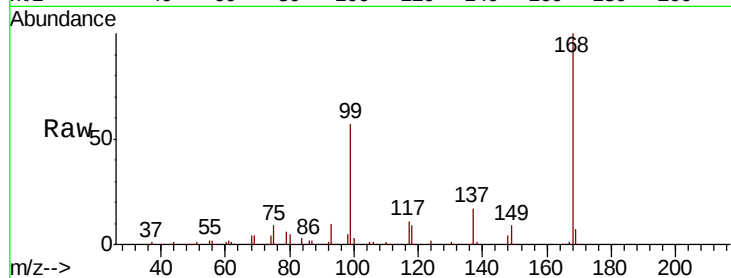
ClientSampleId :

Tot Ion:168 Resp: 137353

Ion Ratio Lower Upper

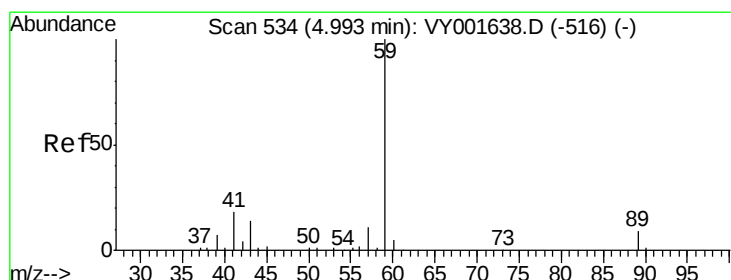
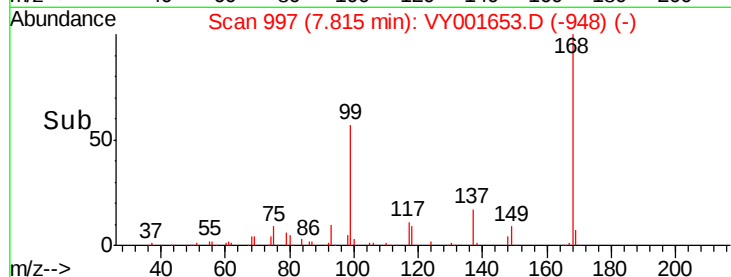
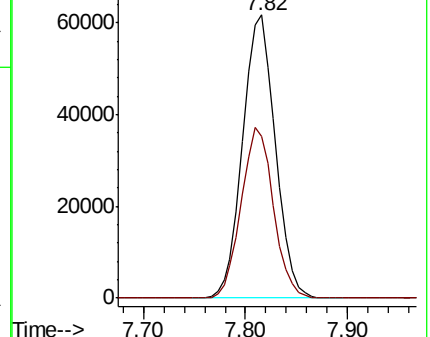
168 100

99 57.0 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 533

Delta R.T. -0.01 min

Lab File: VY001653.D

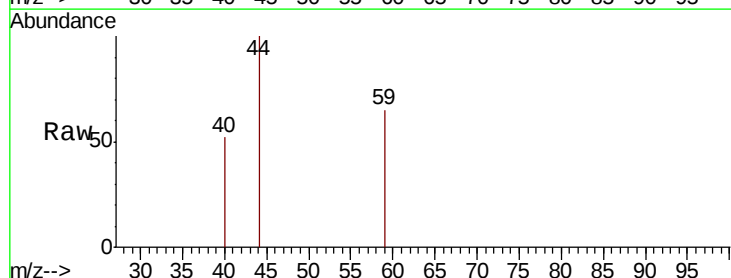
Acq: 17 Feb 2020 17:51

Tgt Ion: 59 Resp: 68

Ion Ratio Lower Upper

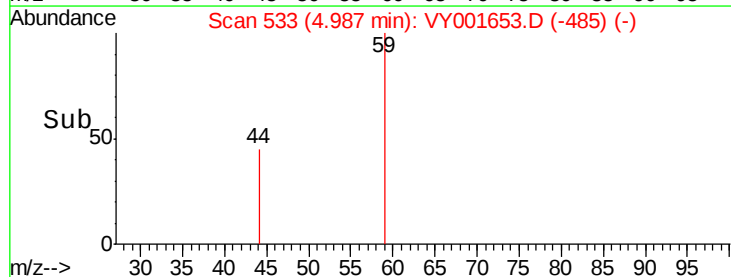
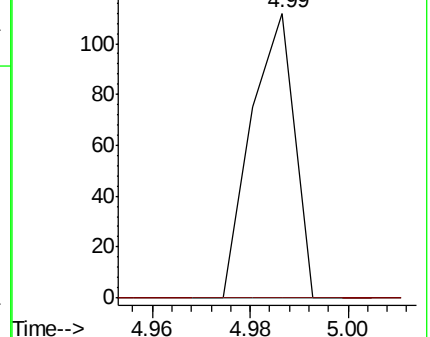
59 100

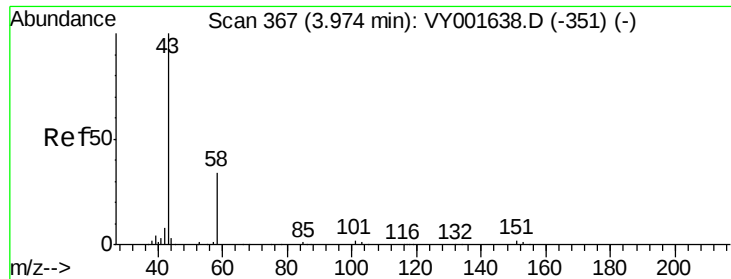
57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001638.D (-516) (-)

Ion 57.00 (56.70 to 57.70): VY001638.D (-516) (-)





#16

Acetone

Concen: 1.565 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001653.D

Acq: 17 Feb 2020 17:51

Instrument :

MSVOA_Y

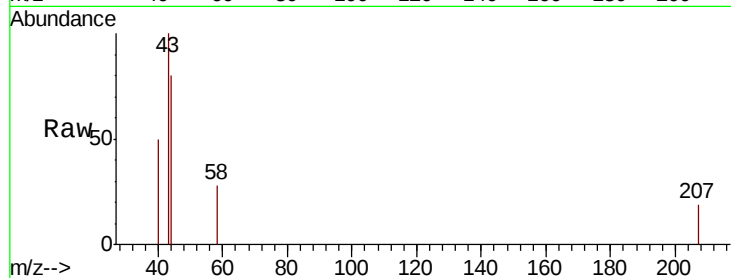
ClientSampleId :

Tot Ion: 43 Resp: 800

Ion Ratio Lower Upper

43 100

58 28.3 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.98

300

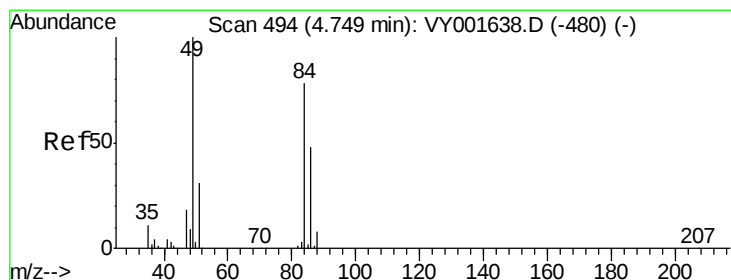
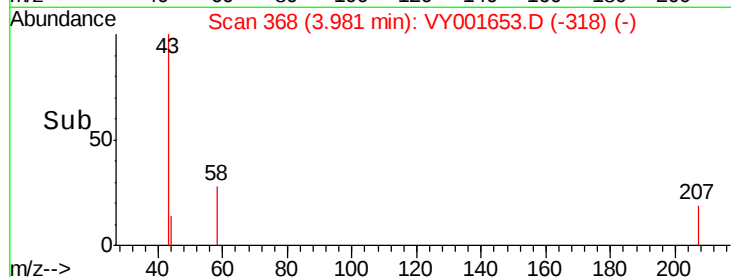
200

100

0

3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 9.218 ug/l

RT: 4.74 min Scan# 493

Delta R.T. -0.01 min

Lab File: VY001653.D

Acq: 17 Feb 2020 17:51

Tgt Ion: 84 Resp: 16738

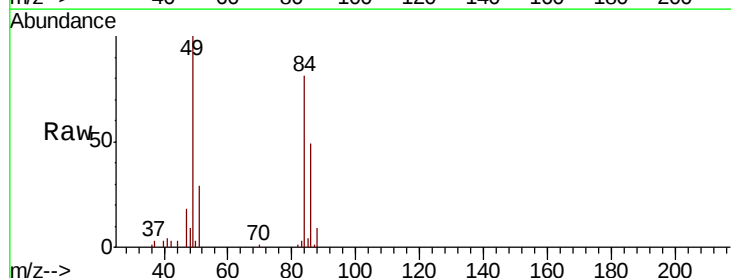
Ion Ratio Lower Upper

84 100

49 124.2 99.2 148.8

51 36.1 31.5 47.3

86 60.9 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0

10000

8000

6000

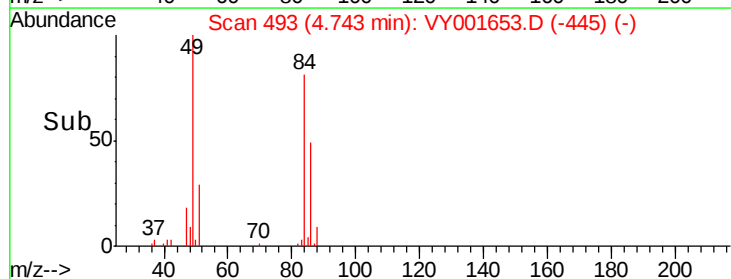
4000

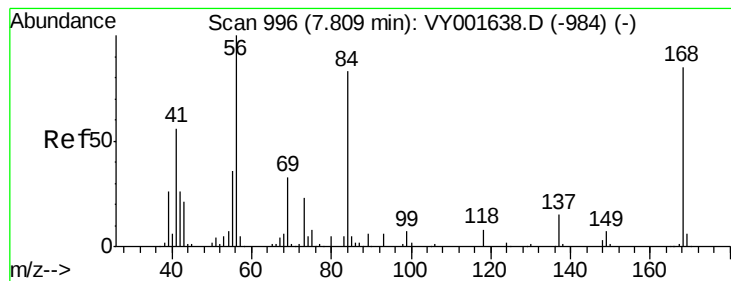
2000

0

4.60 4.70 4.80

Time-->





#31

Cyclohexane

Concen: 1.025 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001653.D

Acq: 17 Feb 2020 17:51

Instrument :
MSVOA_Y
ClientSampleId :

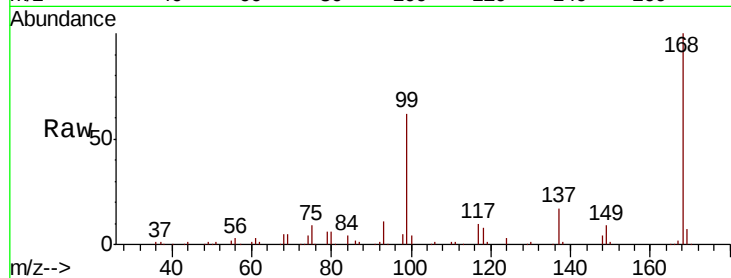
Tot Ion: 56 Resp: 3183

Ion Ratio Lower Upper

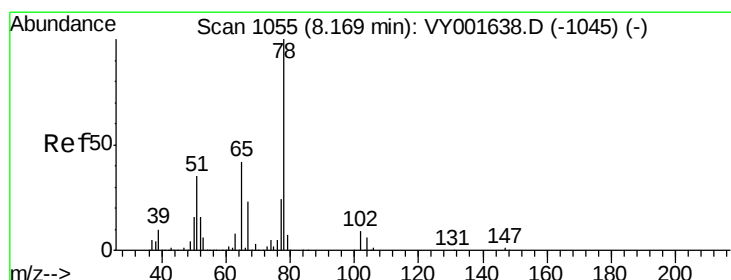
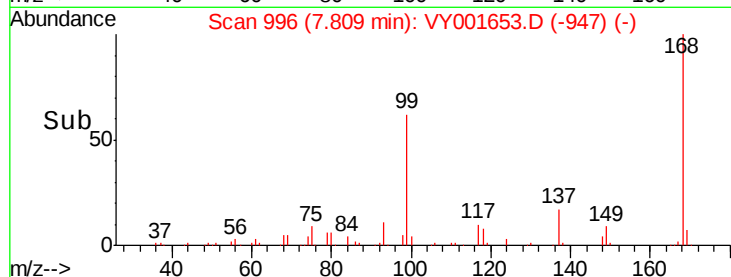
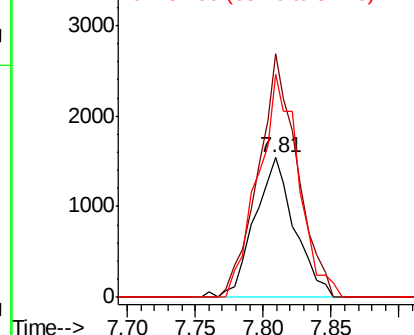
56 100

69 174.2 25.1 37.7#

84 159.7 66.9 100.3#



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: 54.680 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001653.D

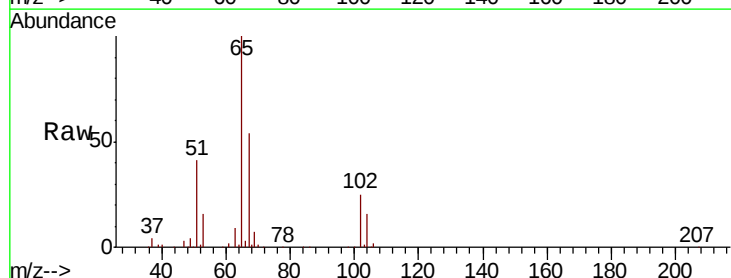
Acq: 17 Feb 2020 17:51

Tgt Ion: 65 Resp: 80786

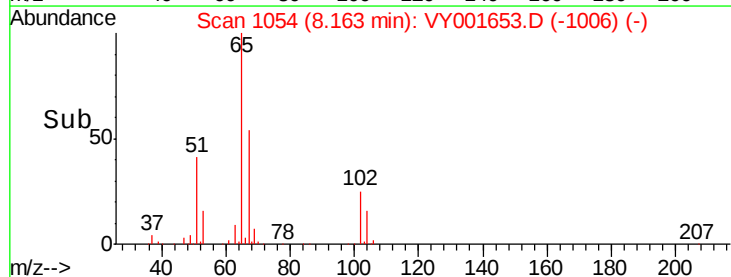
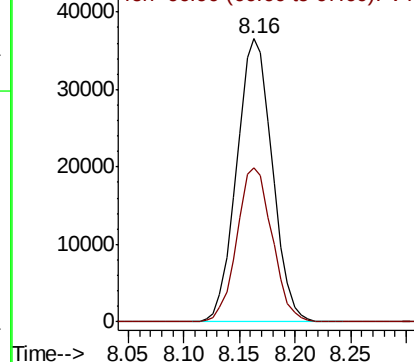
Ion Ratio Lower Upper

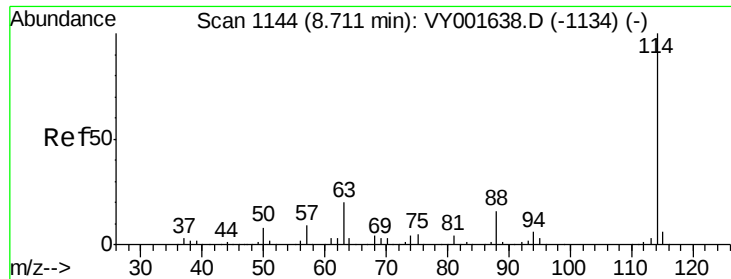
65 100

67 54.0 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

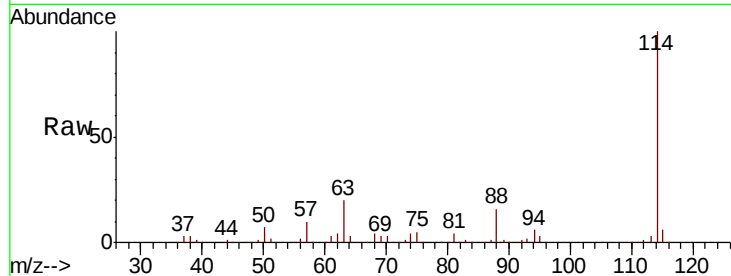




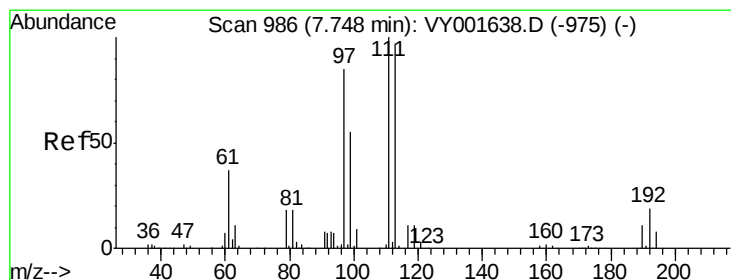
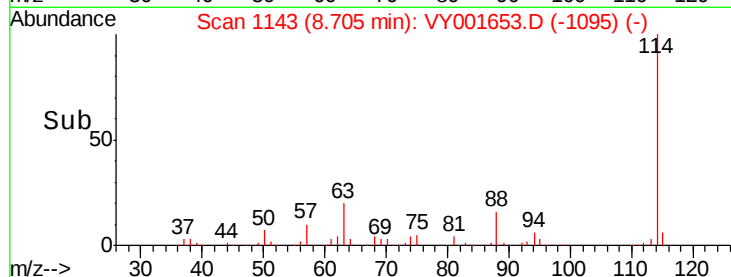
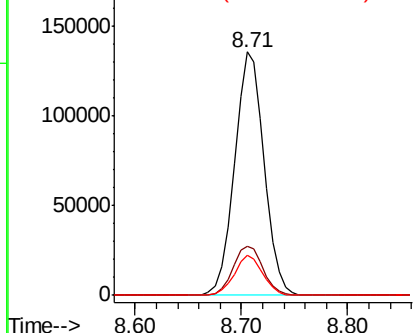
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.71 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VY001653.D
Acq: 17 Feb 2020 17:51

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:114 Resp: 262784
Ion Ratio Lower Upper
114 100
63 20.1 0.0 41.4
88 16.2 0.0 32.8

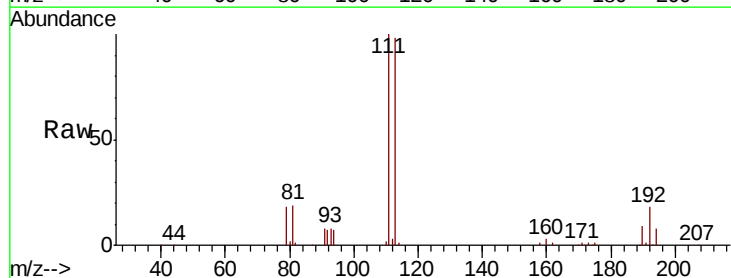


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

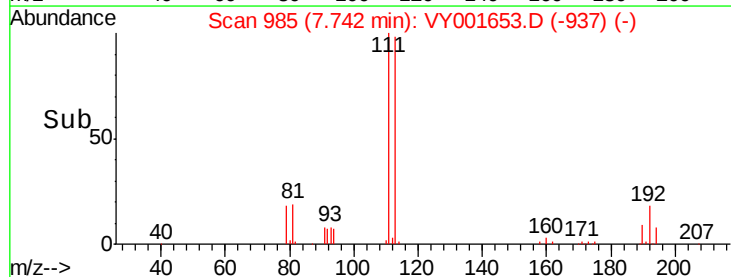
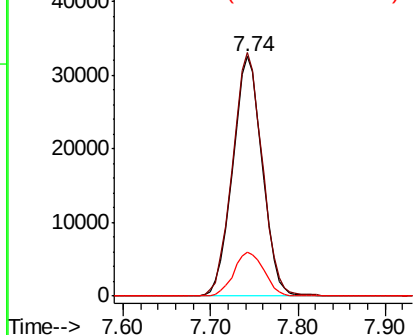


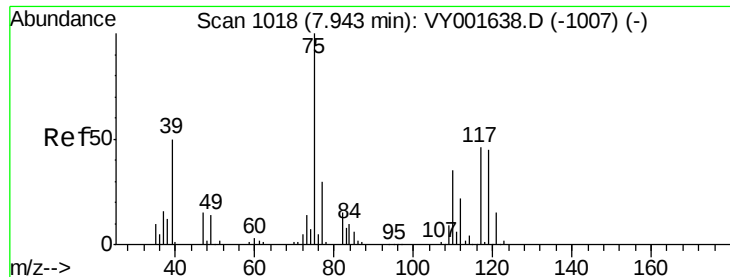
#35
Dibromofluoromethane
Concen: 50.772 ug/l
RT: 7.74 min Scan# 985
Delta R.T. -0.01 min
Lab File: VY001653.D
Acq: 17 Feb 2020 17:51

Tgt Ion:113 Resp: 76417
Ion Ratio Lower Upper
113 100
111 102.3 81.9 122.9
192 19.0 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

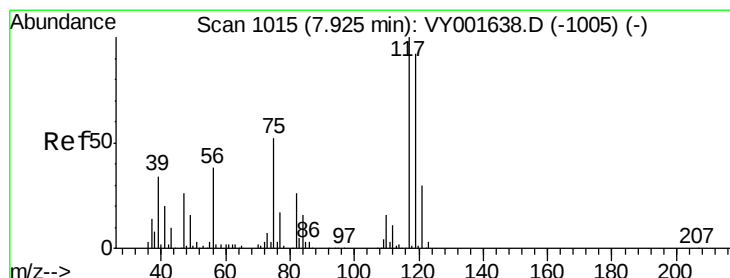
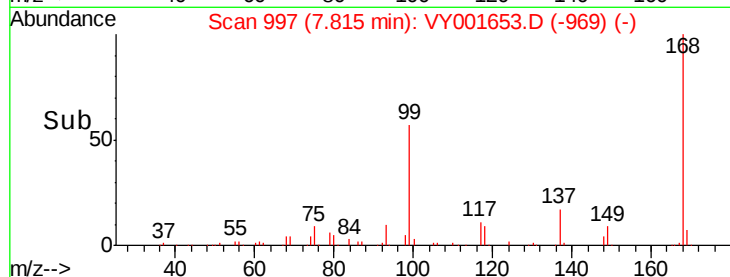
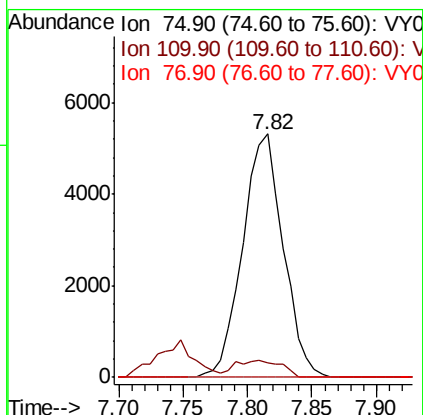
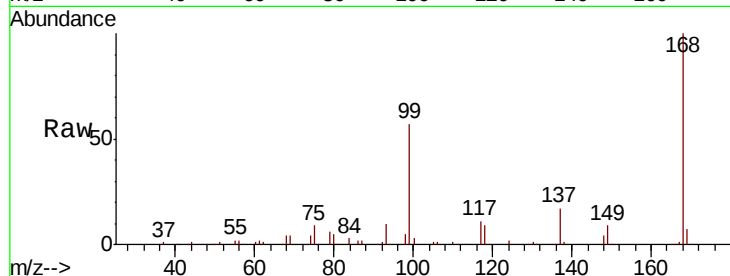




#36
 1,1-Dichloropropene
 Concen: 4.617 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001653.D
 Acq: 17 Feb 2020 17:51

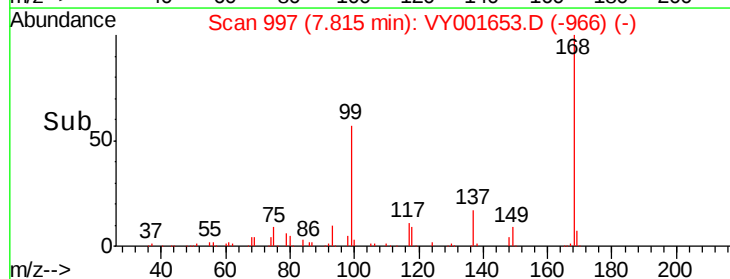
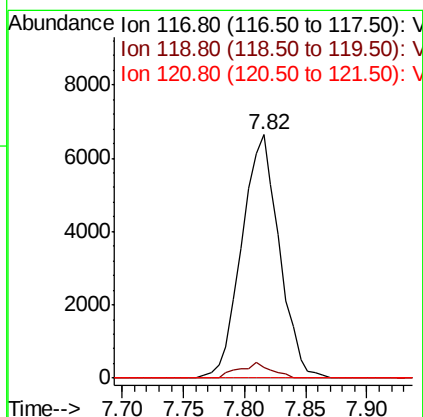
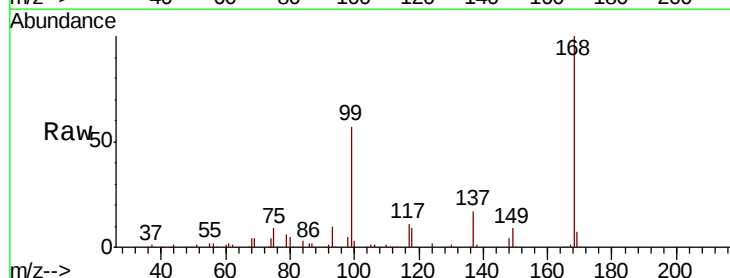
Instrument :
 MSVOA_Y
 ClientSampleId :

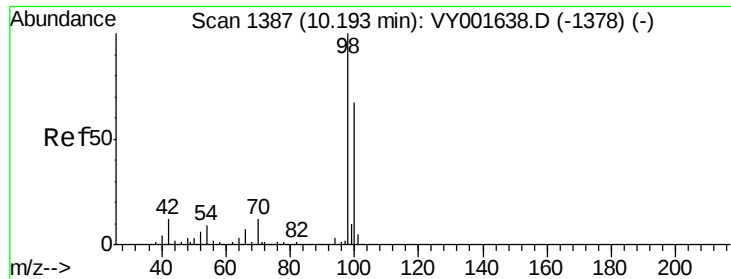
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.2	51.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.425 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY001653.D
 Acq: 17 Feb 2020 17:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	74.8	112.2#
121	0.0	23.8	35.6#





#50

Toluene-d8

Concen: 53.559 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001653.D

Acq: 17 Feb 2020 17:51

Instrument :

MSVOA_Y

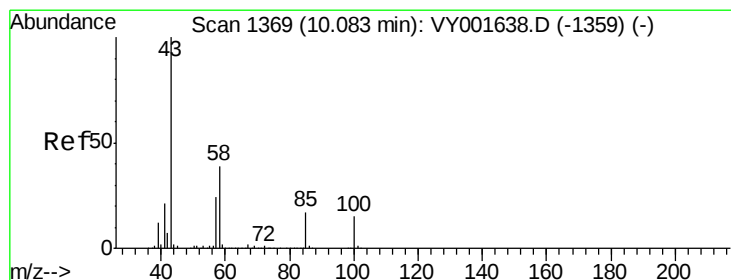
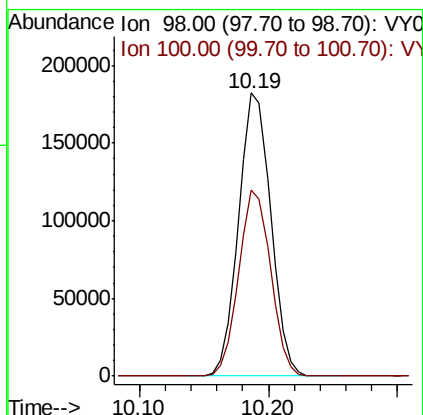
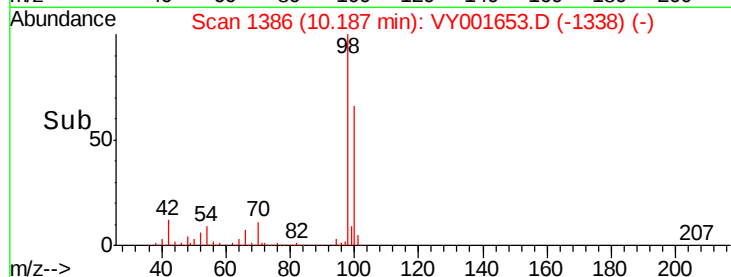
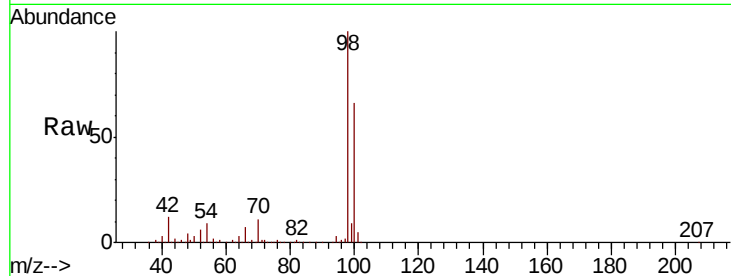
ClientSampleId :

Tot Ion: 98 Resp: 315812

Ion Ratio Lower Upper

98 100

100 65.3 53.0 79.4



#51

4-Methyl-2-Pentanone

Concen: 1.004 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY001653.D

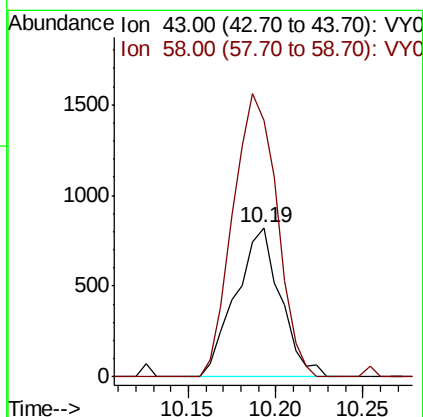
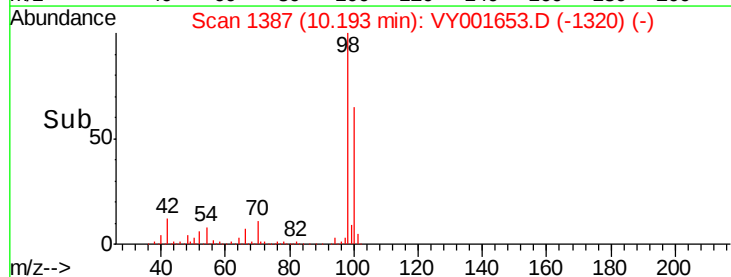
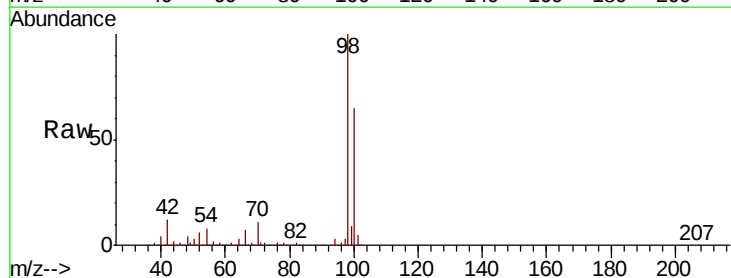
Acq: 17 Feb 2020 17:51

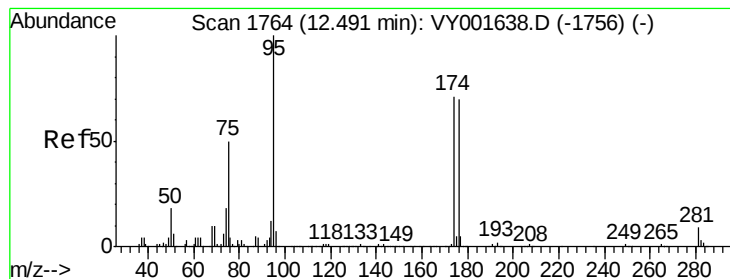
Tgt Ion: 43 Resp: 1466

Ion Ratio Lower Upper

43 100

58 187.1 32.2 48.4#





#62

4-Bromofluorobenzene

Concen: 45.530 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001653.D

Acq: 17 Feb 2020 17:51

Instrument :

MSVOA_Y

ClientSampleId :

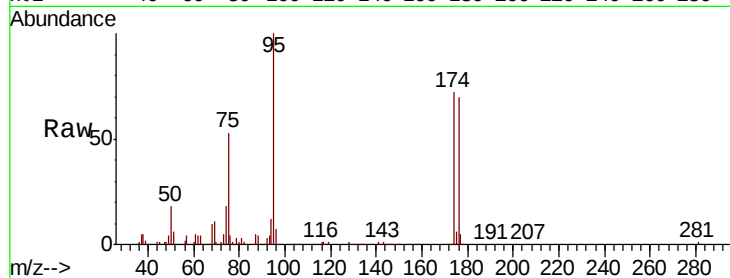
Tot Ion: 95 Resp: 104299

Ion Ratio Lower Upper

95 100

174 75.0 0.0 138.4

176 72.6 0.0 131.8



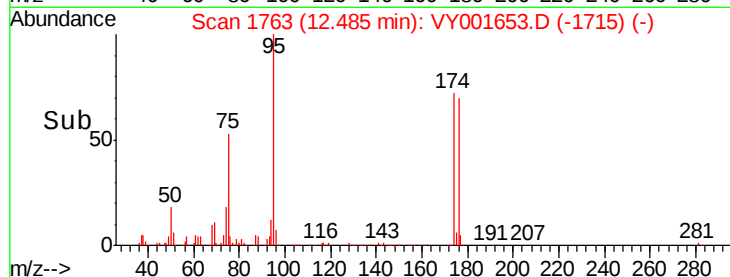
Abundance Ion 94.90 (94.60 to 95.60): VY001638.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001638.D (-1756) (-)

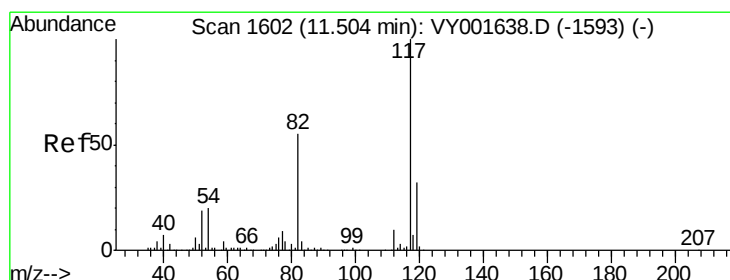
Ion 175.80 (175.50 to 176.50): VY001638.D (-1756) (-)

12.49

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: VY001653.D

Acq: 17 Feb 2020 17:51

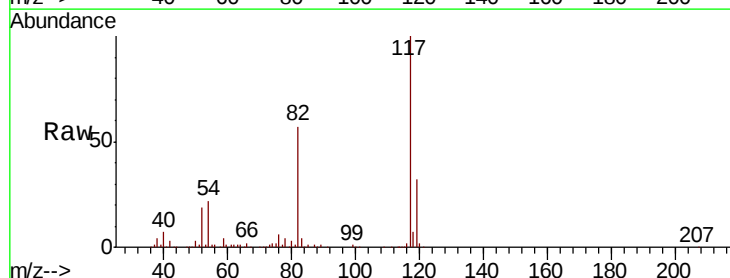
Tgt Ion: 117 Resp: 235424

Ion Ratio Lower Upper

117 100

82 56.6 45.5 68.3

119 31.8 25.8 38.6



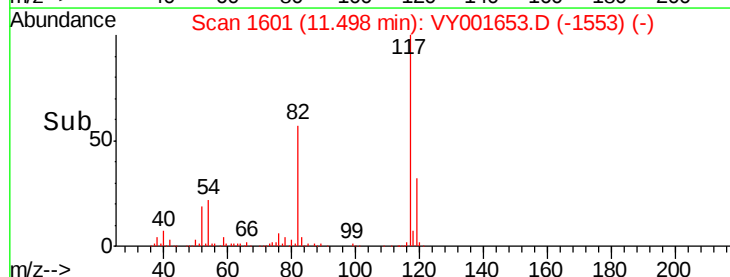
Abundance Ion 116.90 (116.60 to 117.60): VY001638.D (-1593) (-)

Ion 82.00 (81.70 to 82.70): VY001638.D (-1593) (-)

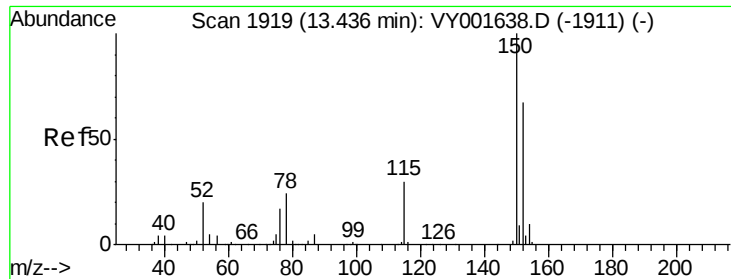
Ion 118.90 (118.60 to 119.60): VY001638.D (-1593) (-)

11.50

Time-->



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001653.D

Acq: 17 Feb 2020 17:51

Instrument :

MSVOA_Y

ClientSampled :

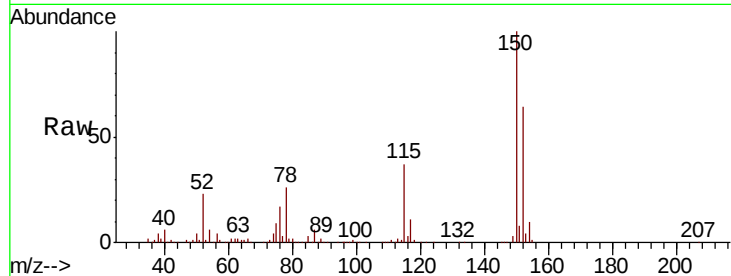
Tot Ion:152 Resp: 97598

Ion Ratio Lower Upper

152 100

115 60.2 31.4 94.2

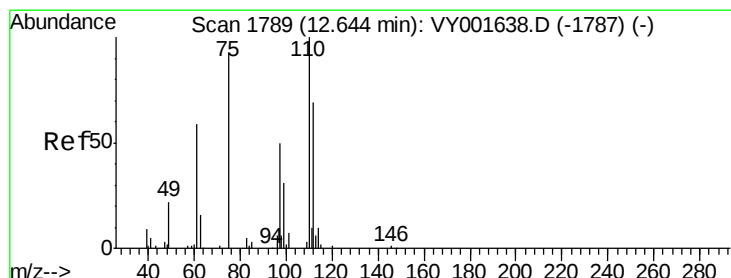
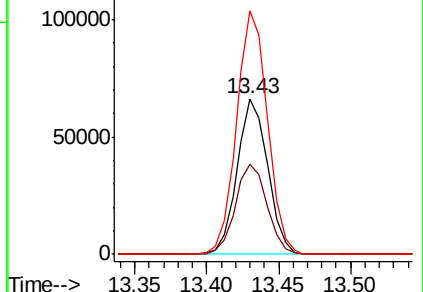
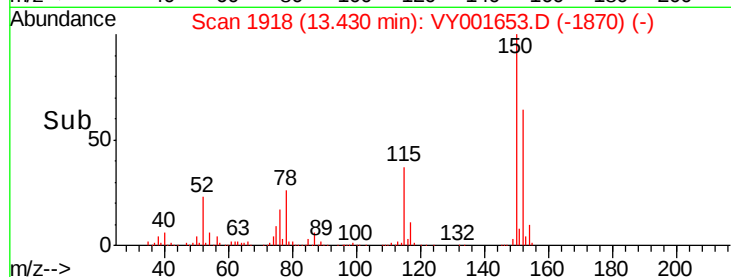
150 158.3 0.0 407.2



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: 47.474 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY001653.D

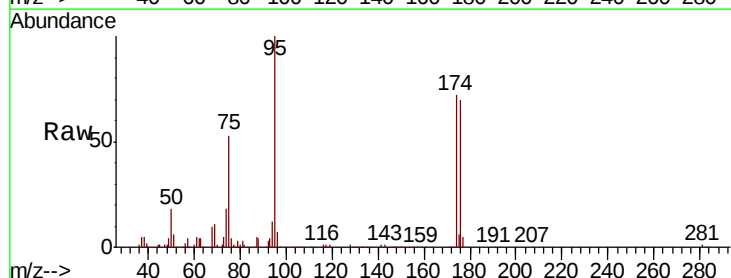
Acq: 17 Feb 2020 17:51

Tgt Ion: 75 Resp: 53151

Ion Ratio Lower Upper

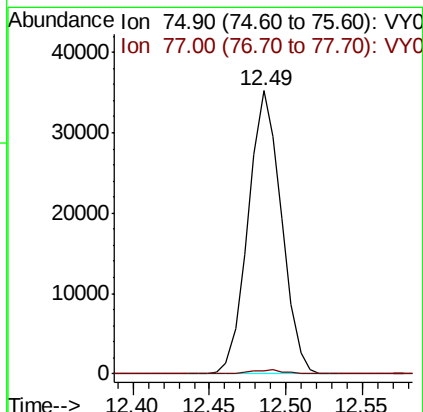
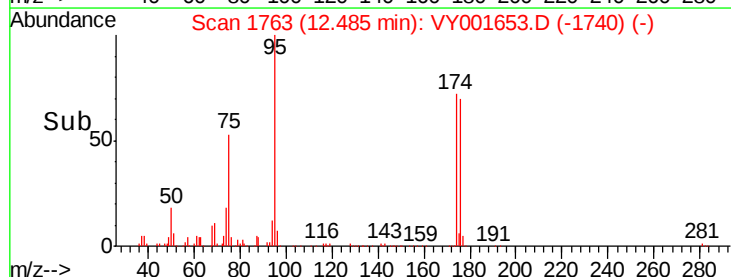
75 100

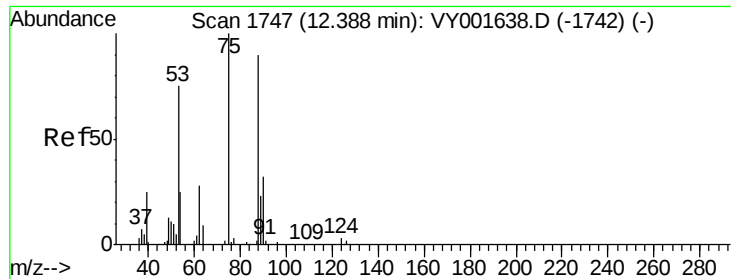
77 1.3 0.0 0.0#



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: 90.067 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001653.D

Acq: 17 Feb 2020 17:51

Instrument :

MSVOA_Y

ClientSampleId :

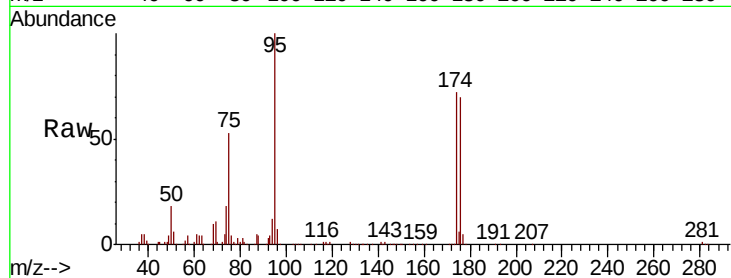
Tot Ion: 75 Resp: 53151

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

