

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041620\
 Data File : VY002383.D
 Acq On : 16 Apr 2020 21:13
 Operator : SY/MD
 Sample : L2324-01
 Misc : 4.99G/5ML/MSVOA Y/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 17 07:08:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

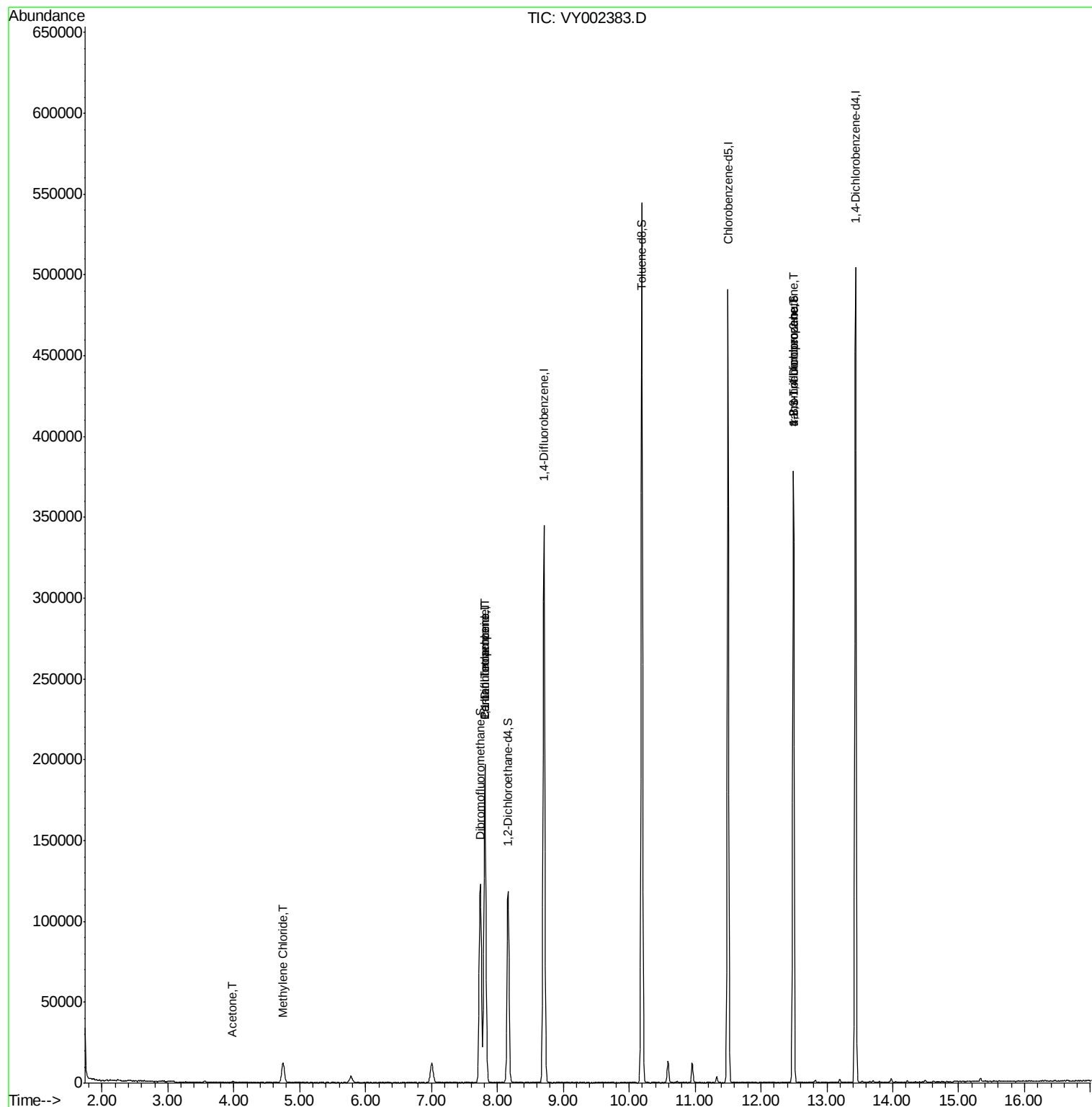
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	152604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	306016	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	285927	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	127652	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	85706	50.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.00%	
35) Dibromofluoromethane	7.74	113	90992	49.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.94%	
50) Toluene-d8	10.19	98	369713	48.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.02%	
62) 4-Bromofluorobenzene	12.49	95	124829	49.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.28%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.96	59	368	Below Cal	#	77
16) Acetone	3.98	43	1258	2.814	ug/l #	80
20) Methylene Chloride	4.75	84	9579	4.360	ug/l	92
36) 1,1-Dichloropropene	7.81	75	11646	3.864	ug/l #	50
38) Carbon Tetrachloride	7.81	117	14989	5.814	ug/l #	15
76) 1,2,3-Trichloropropane	12.49	75	58777	39.652	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	58777	77.123	ug/l #	19

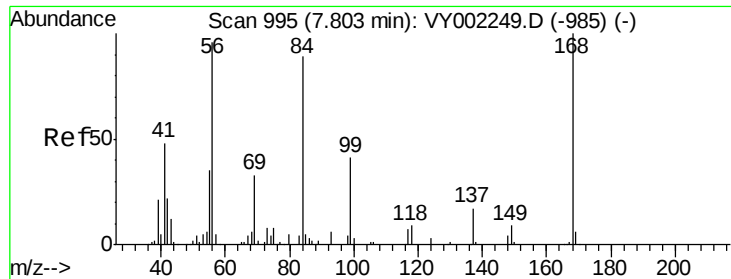
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002383.D

Acq: 16 Apr 2020 21:13

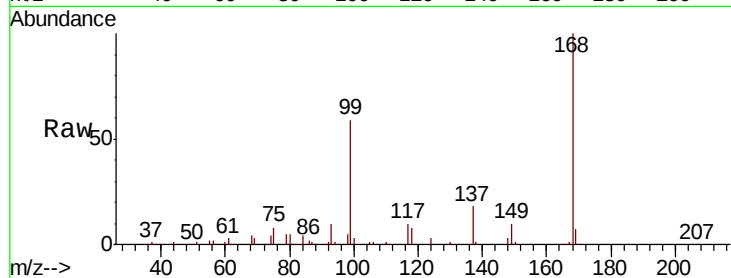
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 152604

Ion Ratio Lower Upper

168 100

99 59.0 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)

7.81

60000

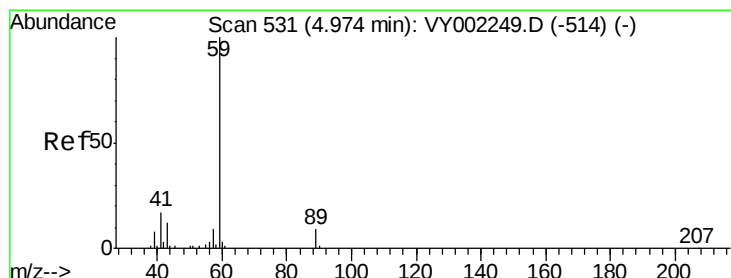
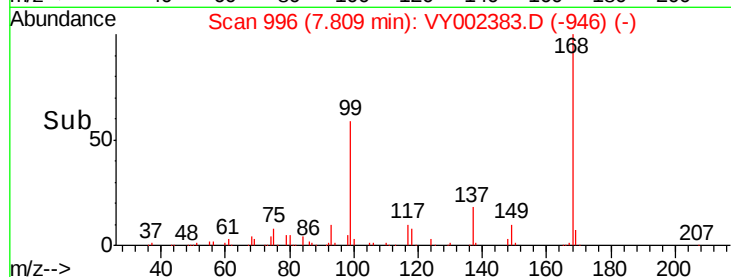
40000

20000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY002383.D

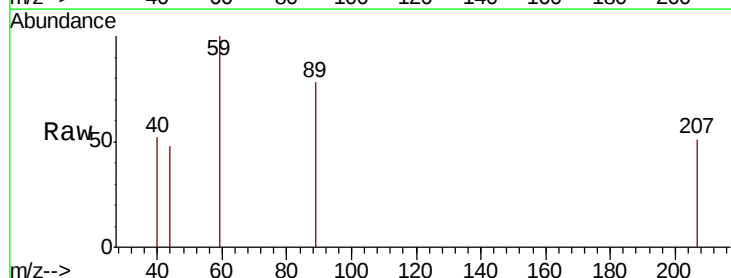
Acq: 16 Apr 2020 21:13

Tgt Ion: 59 Resp: 368

Ion Ratio Lower Upper

59 100

57 0.0 6.6 9.8#



Abundance Ion 59.00 (58.70 to 59.70): VY002249.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY002249.D (-514) (-)

4.96

200

150

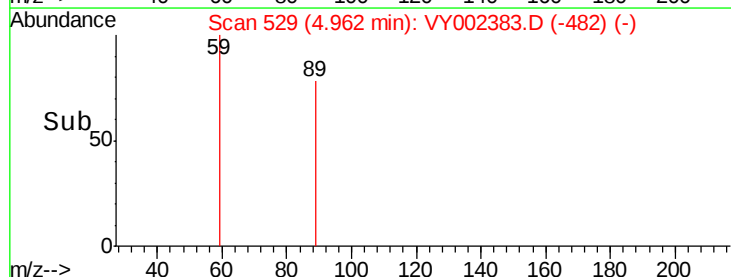
100

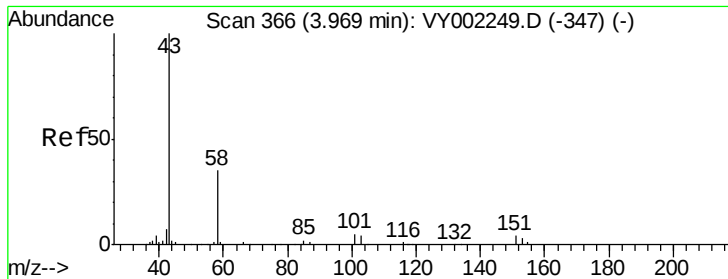
50

0

4.90 4.95 5.00

Time-->





#16

Acetone

Concen: 2.814 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY002383.D

Acq: 16 Apr 2020 21:13

Instrument :

MSVOA_Y

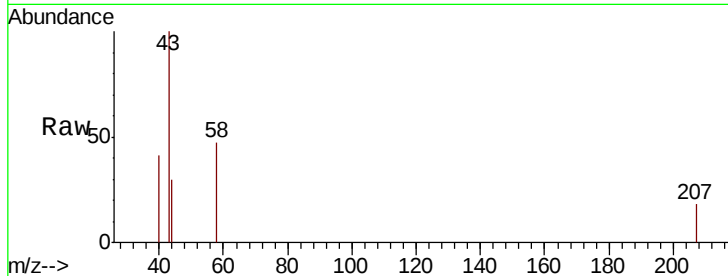
ClientSampled :

Tot Ion: 43 Resp: 1258

Ion Ratio Lower Upper

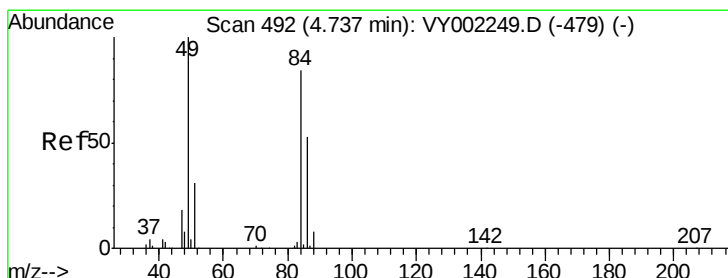
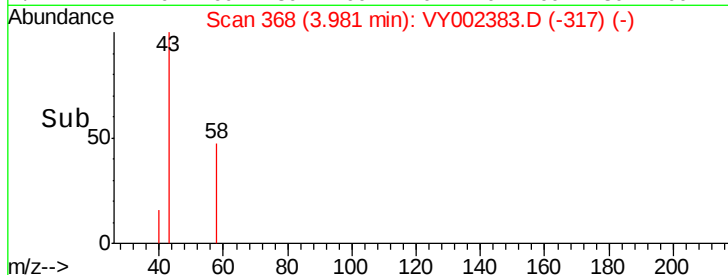
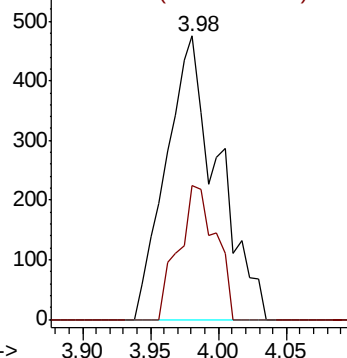
43 100

58 47.2 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 4.360 ug/l

RT: 4.75 min Scan# 494

Delta R.T. 0.01 min

Lab File: VY002383.D

Acq: 16 Apr 2020 21:13

Tgt Ion: 84 Resp: 9579

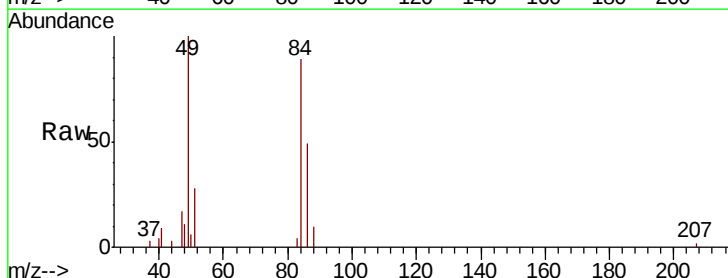
Ion Ratio Lower Upper

84 100

49 112.4 95.5 143.3

51 31.6 29.5 44.3

86 54.6 50.7 76.1

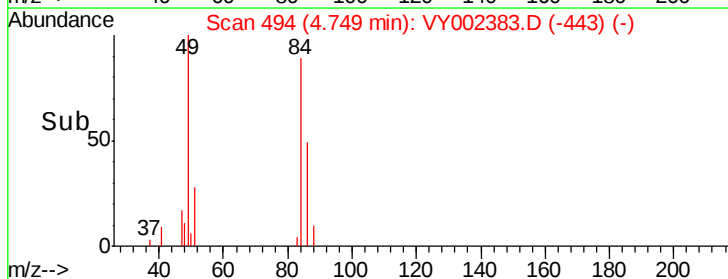
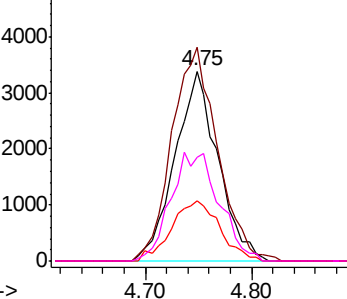


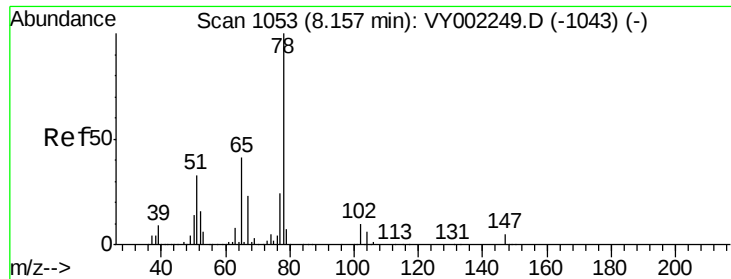
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

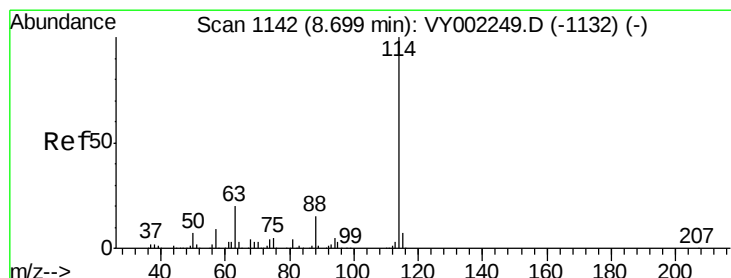
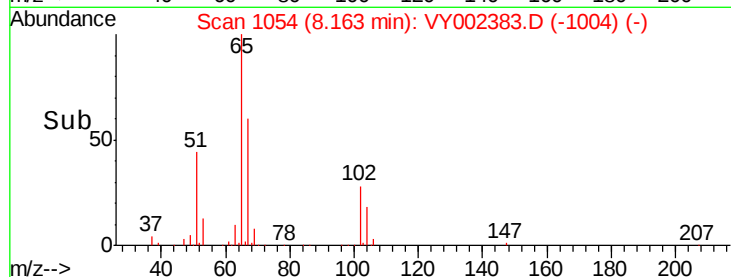
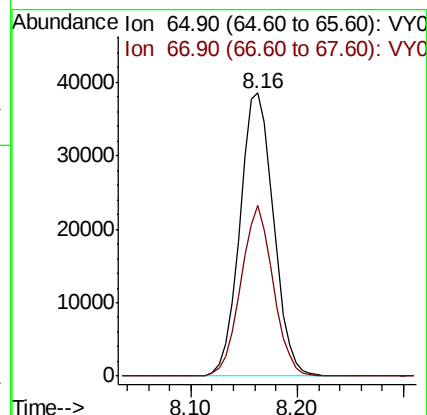
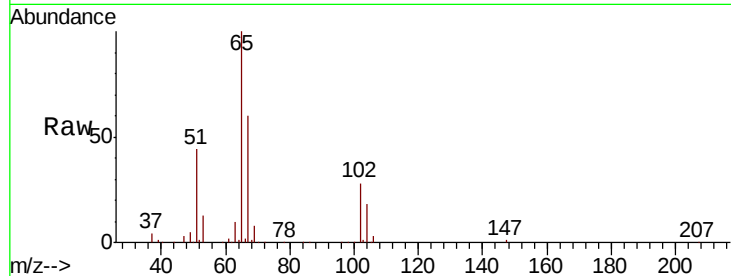




#33
 1,2-Dichloroethane-d4
 Concen: 50.502 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VY002383.D
 Acq: 16 Apr 2020 21:13

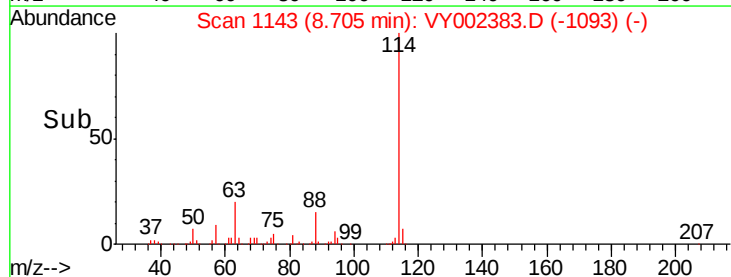
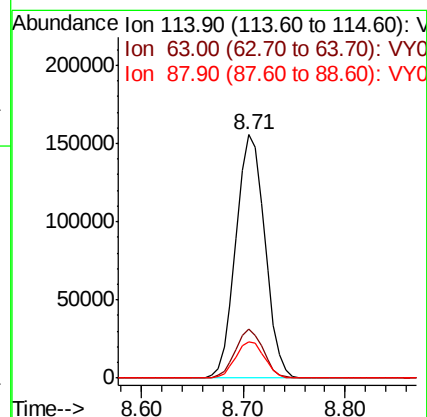
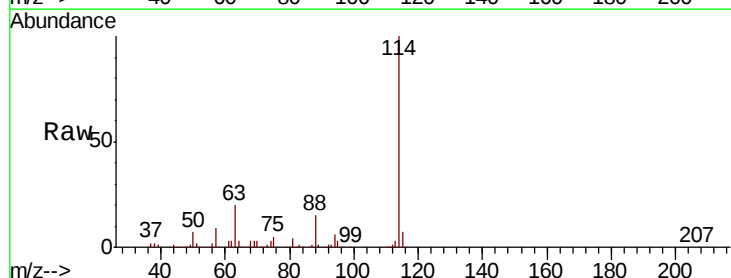
Instrument :
 MSVOA_Y
 ClientSampleId :

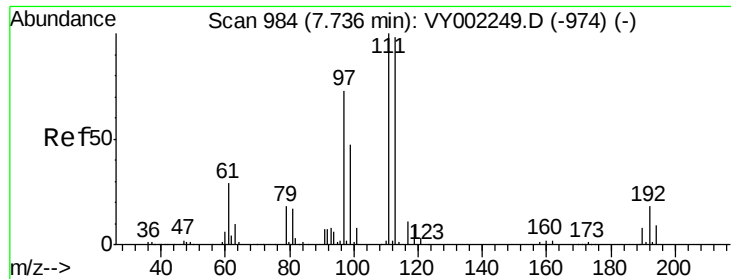
Tot Ion: 65 Resp: 85706
 Ion Ratio Lower Upper
 65 100
 67 57.9 0.0 114.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VY002383.D
 Acq: 16 Apr 2020 21:13

Tgt Ion: 114 Resp: 306016
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.0
 88 14.7 0.0 31.0





#35

Dibromofluoromethane

Concen: 49.971 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002383.D

Acq: 16 Apr 2020 21:13

Instrument :

MSVOA_Y

ClientSampleId :

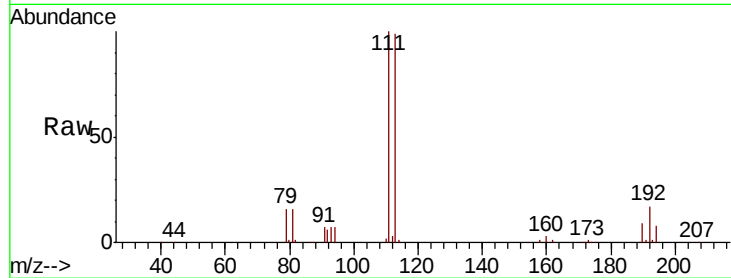
Tot Ion:113 Resp: 90992

Ion Ratio Lower Upper

113 100

111 102.0 83.5 125.3

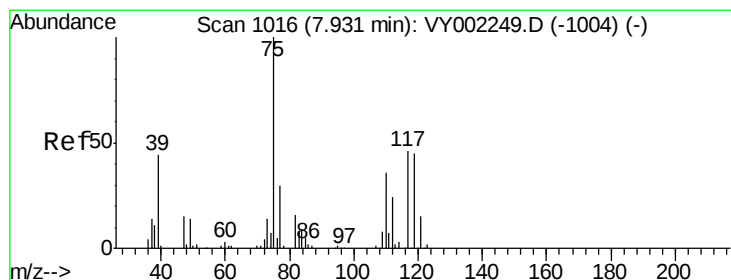
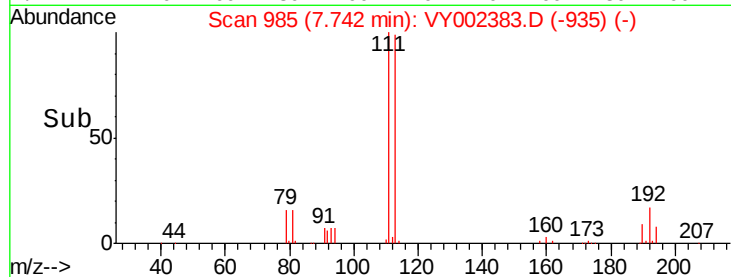
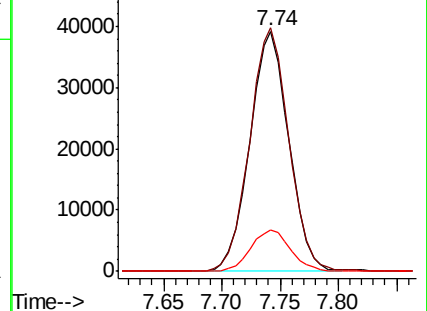
192 17.6 14.7 22.1



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: 3.864 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.12 min

Lab File: VY002383.D

Acq: 16 Apr 2020 21:13

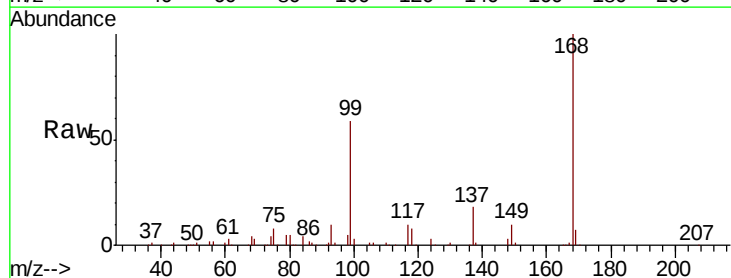
Tgt Ion: 75 Resp: 11646

Ion Ratio Lower Upper

75 100

110 9.7 17.8 53.3#

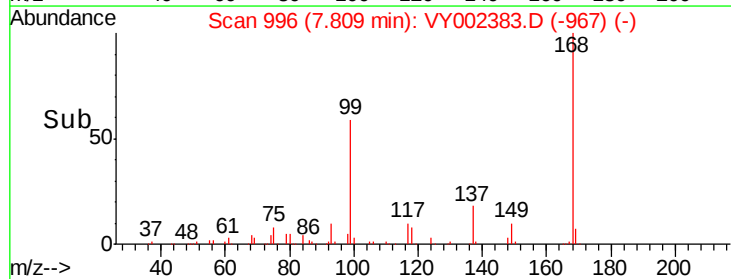
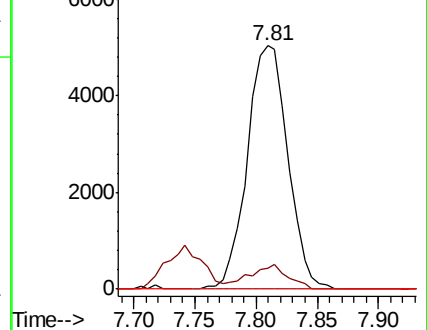
77 0.0 24.4 36.6#

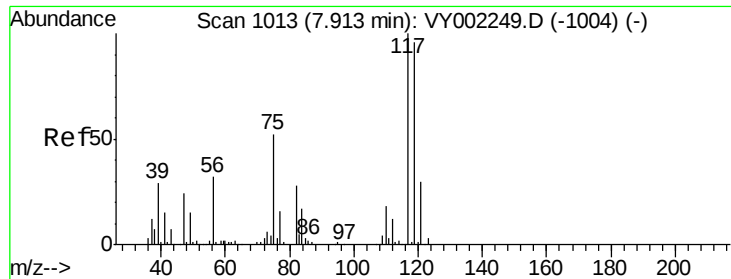


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 5.814 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.10 min

Lab File: VY002383.D

Acq: 16 Apr 2020 21:13

Instrument :

MSVOA_Y

ClientSampleId :

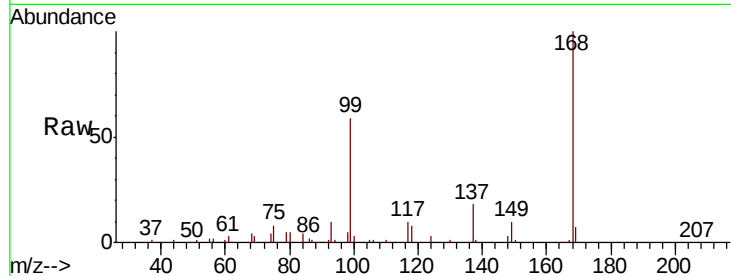
Tot Ion:117 Resp: 14989

Ion Ratio Lower Upper

117 100

119 4.5 77.1 115.7#

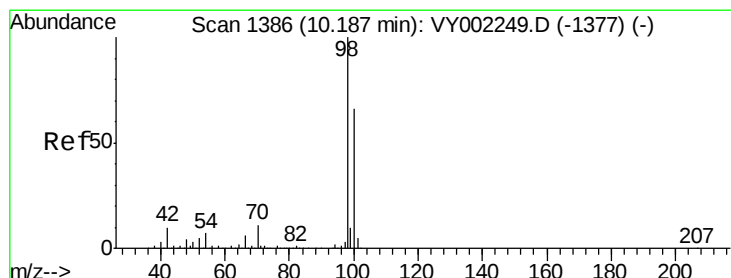
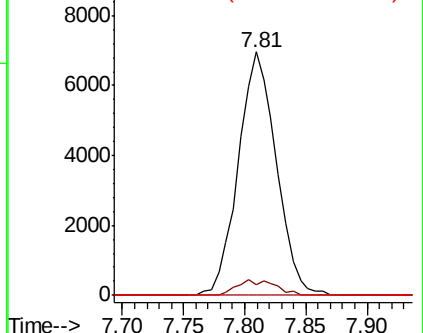
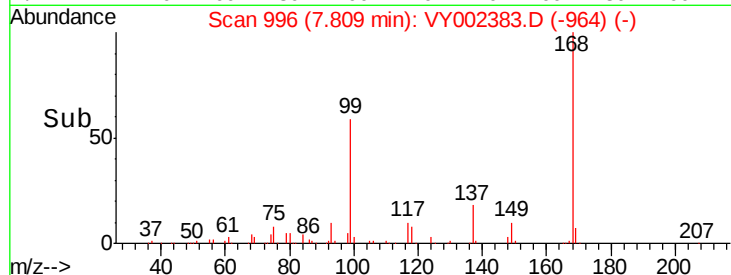
121 0.0 23.9 35.9#



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



#50

Toluene-d8

Concen: 48.509 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002383.D

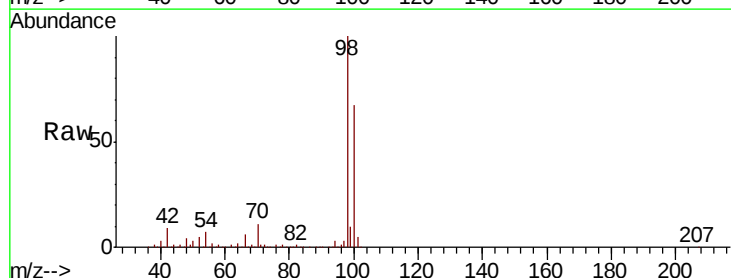
Acq: 16 Apr 2020 21:13

Tgt Ion: 98 Resp: 369713

Ion Ratio Lower Upper

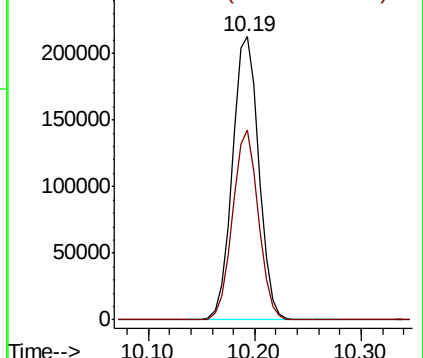
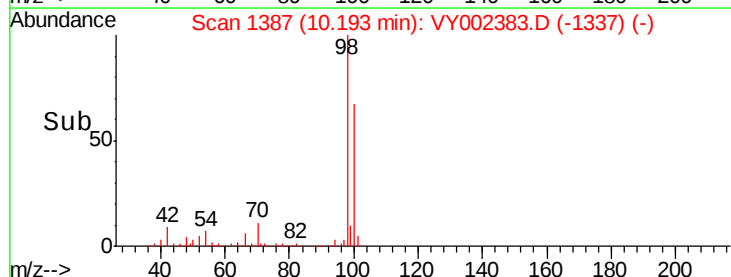
98 100

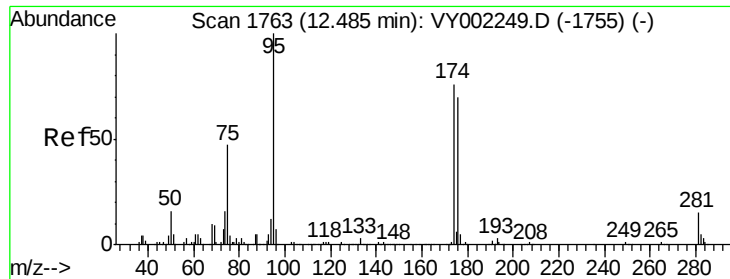
100 65.5 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

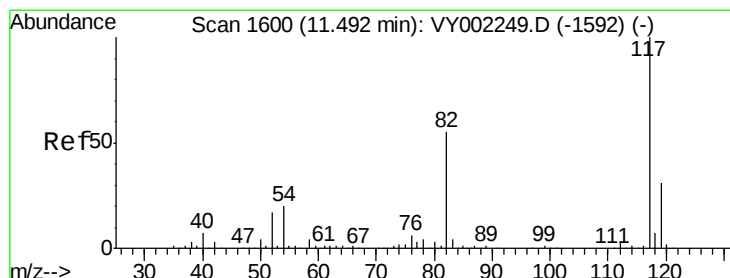
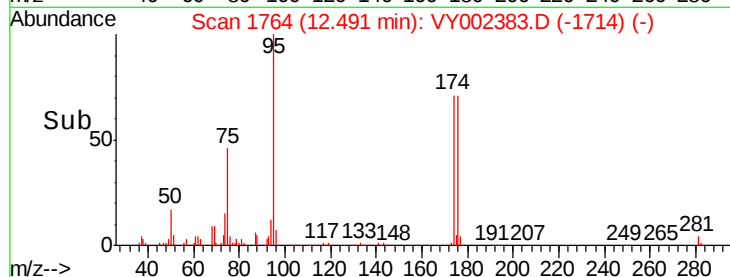
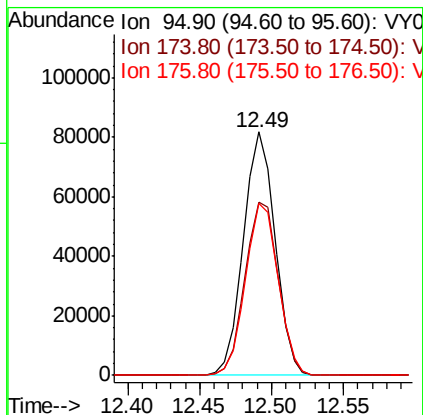
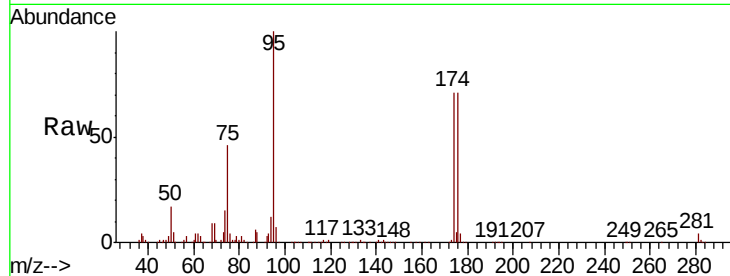




#62
4-Bromofluorobenzene
Concen: 49.645 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY002383.D
Acq: 16 Apr 2020 21:13

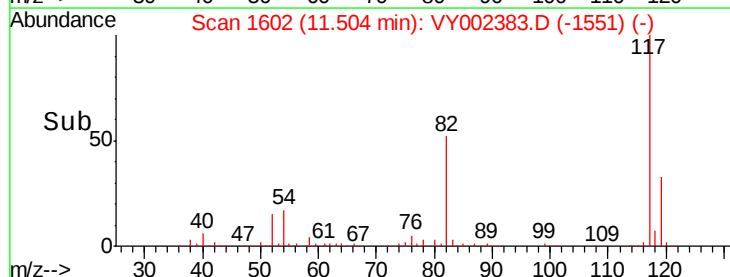
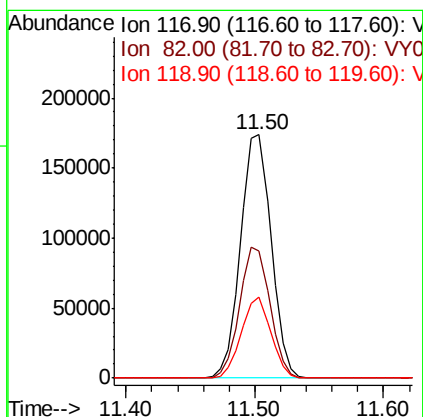
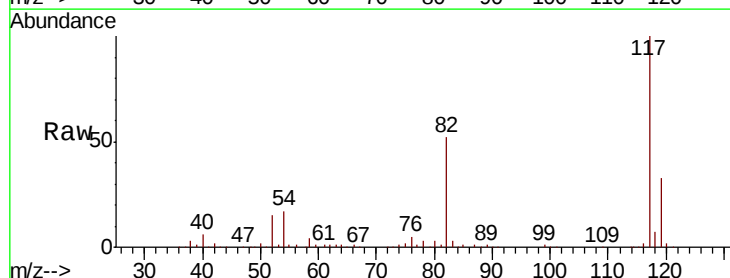
Instrument :
MSVOA_Y
ClientSampleId :

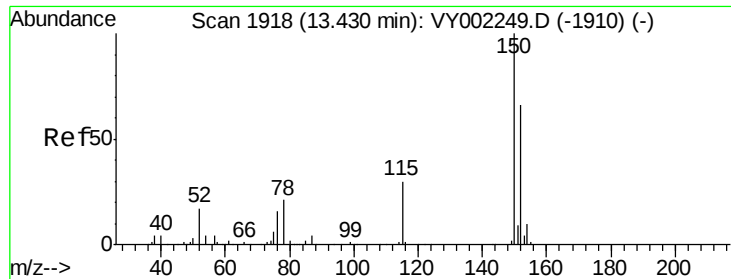
Tot Ion: 95 Resp: 124829
Ion Ratio Lower Upper
95 100
174 74.5 0.0 150.6
176 72.6 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002383.D
Acq: 16 Apr 2020 21:13

Tgt Ion: 117 Resp: 285927
Ion Ratio Lower Upper
117 100
82 52.0 44.2 66.4
119 33.4 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY002383.D

Acq: 16 Apr 2020 21:13

Instrument :

MSVOA_Y

ClientSampleId :

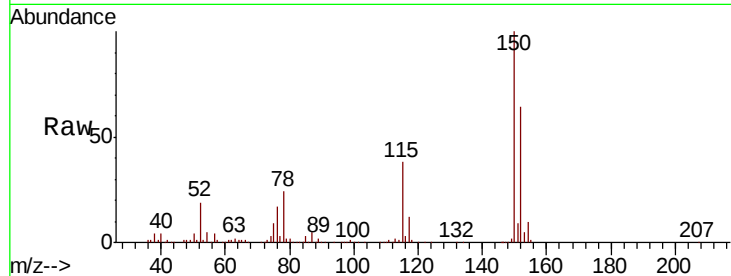
Tot Ion:152 Resp: 127652

Ion Ratio Lower Upper

152 100

115 60.0 30.7 92.1

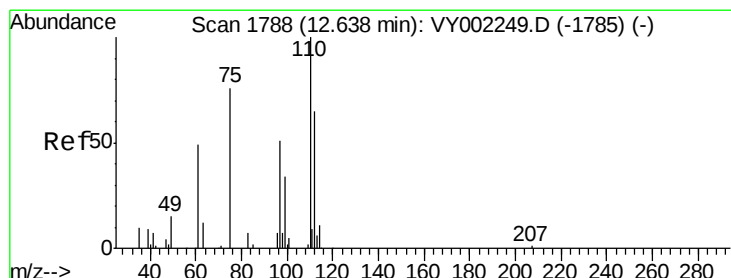
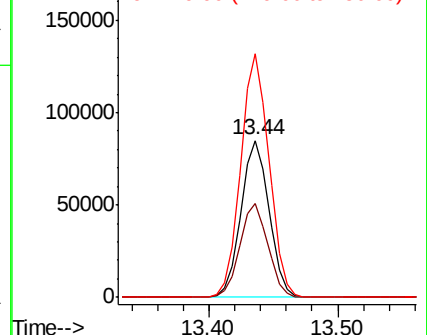
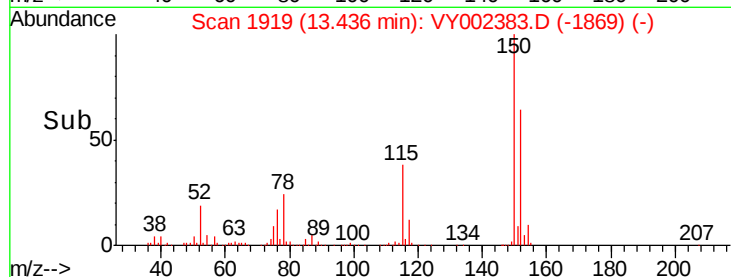
150 156.5 0.0 350.6



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: 39.652 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002383.D

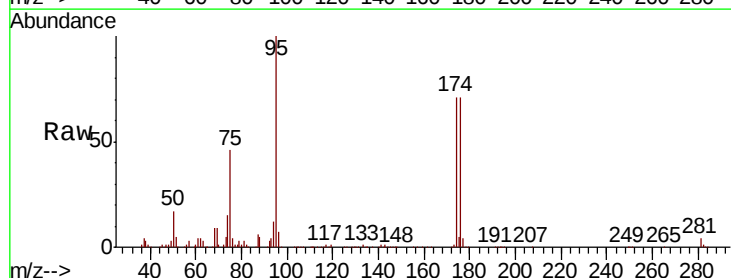
Acq: 16 Apr 2020 21:13

Tgt Ion: 75 Resp: 58777

Ion Ratio Lower Upper

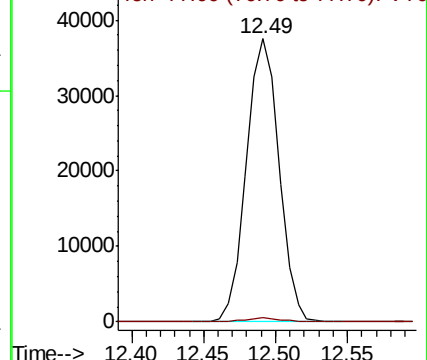
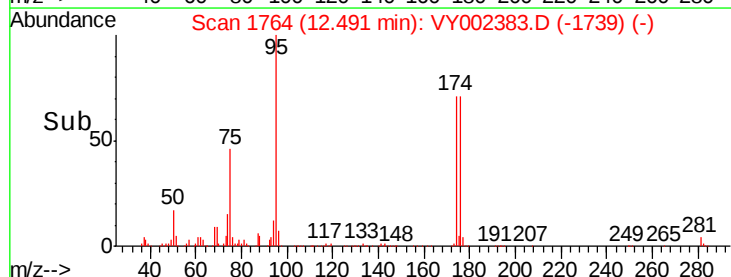
75 100

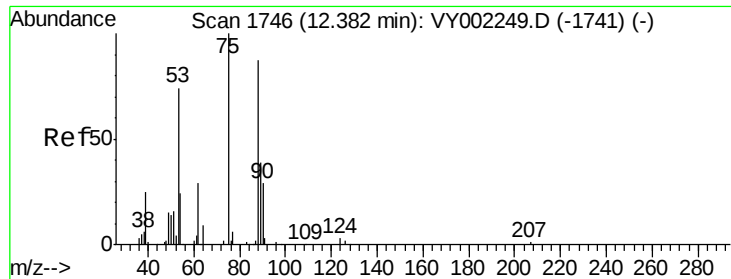
77 1.4 0.0 0.0#



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: 77.123 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.11 min

Lab File: VY002383.D

Acq: 16 Apr 2020 21:13

Instrument :

MSVOA_Y

ClientSampleId :

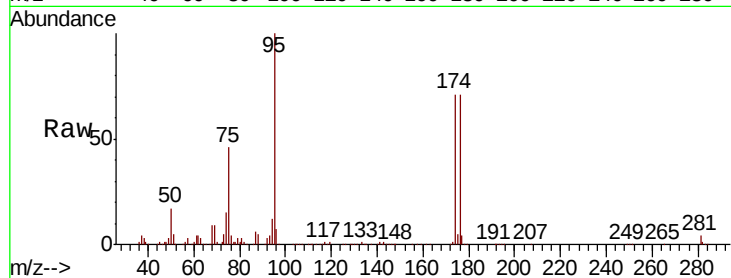
Tot Ion: 75 Resp: 58777

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

89 0.0 37.0 55.6#



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

