

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122319\
 Data File : VY001032.D
 Acq On : 23 Dec 2019 16:36
 Operator : SY/MD
 Sample : K6399-01RE
 Misc : 5.15G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 161-CHURCH-ST-NORTH-HALED0

Quant Time: Dec 24 04:44:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	247651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	464887	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	412973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	173520	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	133194	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	
35) Dibromofluoromethane	7.73	113	134449	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
50) Toluene-d8	10.18	98	553685	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
62) 4-Bromofluorobenzene	12.48	95	179015	45.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.54%	

Target Compounds

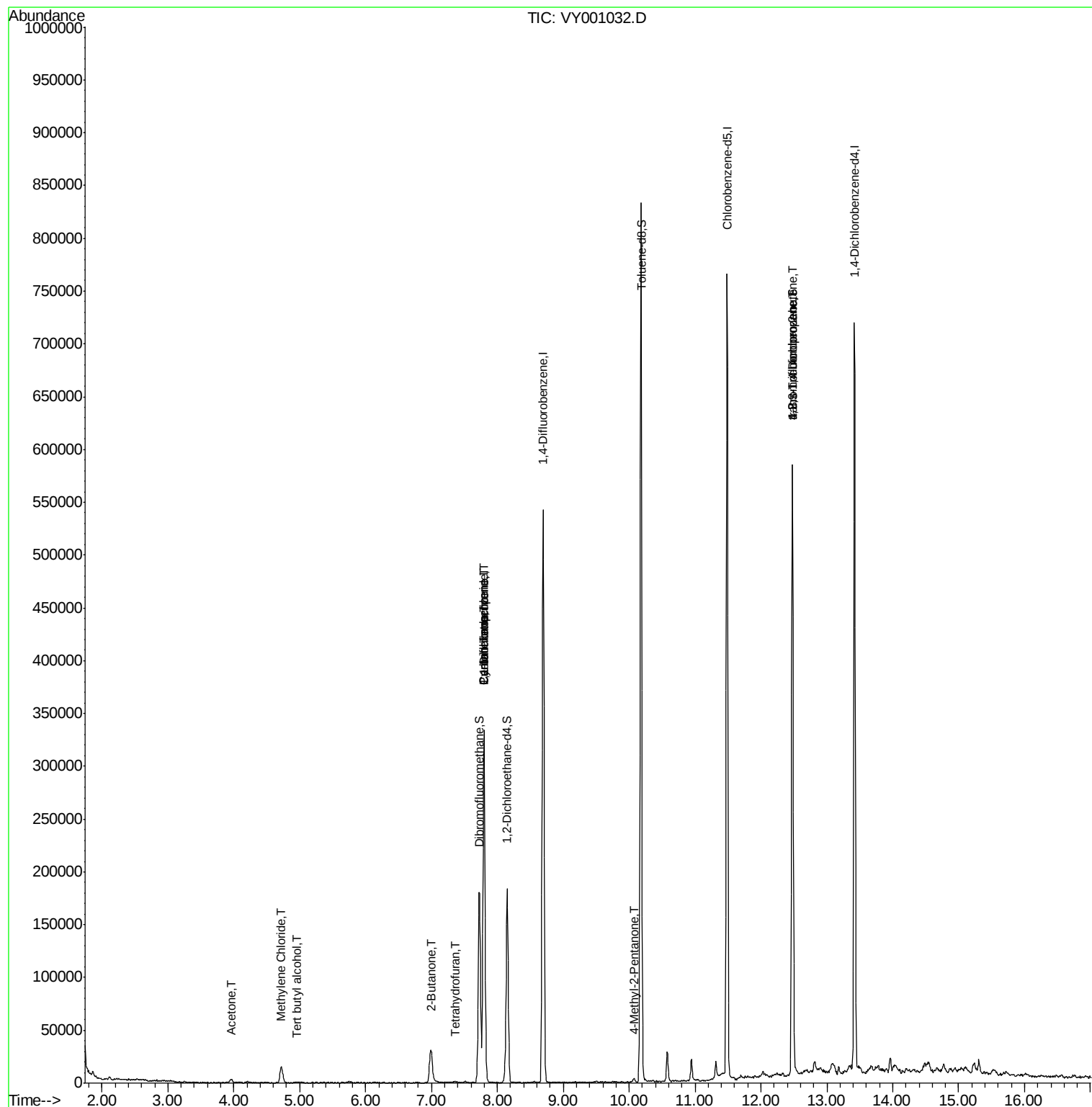
						Qvalue
11) Tert butyl alcohol	4.96	59	717	2.670	ug/l #	74
16) Acetone	3.95	43	5263	9.353	ug/l #	66
20) Methylene Chloride	4.72	84	12066	3.643	ug/l	96
25) 2-Butanone	7.01	43	2885	2.919	ug/l #	89
29) Tetrahydrofuran	7.36	42	869	1.236	ug/l #	65
31) Cyclohexane	7.80	56	5553	1.023	ug/l #	19
36) 1,1-Dichloropropene	7.80	75	20123	4.537	ug/l #	51
38) Carbon Tetrachloride	7.80	117	25112	6.463	ug/l #	18
51) 4-Methyl-2-Pentanone	10.07	43	2609	1.101	ug/l	99
76) 1,2,3-Trichloropropane	12.48	75	90444	42.280	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	90444	90.174	ug/l #	19

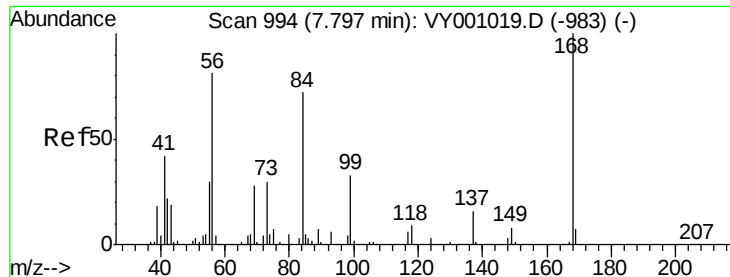
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY122319\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
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QLast Update : Mon Dec 23 12:07:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY001032.D

Acq: 23 Dec 2019 16:36

Instrument :

MSVOA_Y

ClientSampleId :

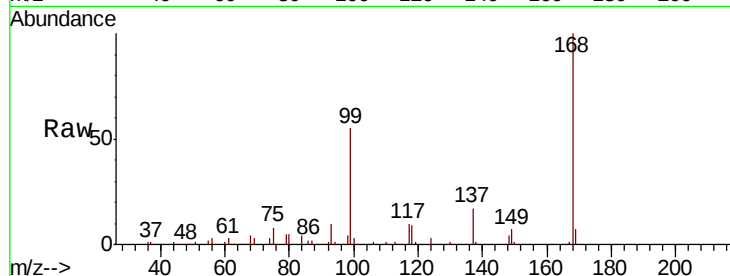
161-CHURCH-ST-NORTH-HALEDO

Tot Ion:168 Resp: 247651

Ion Ratio Lower Upper

168 100

99 55.1 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001019.D (-983) (-)

7.80

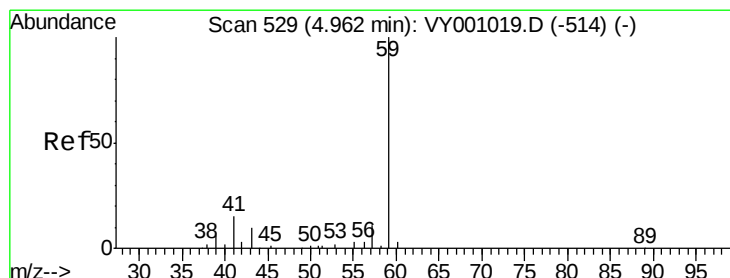
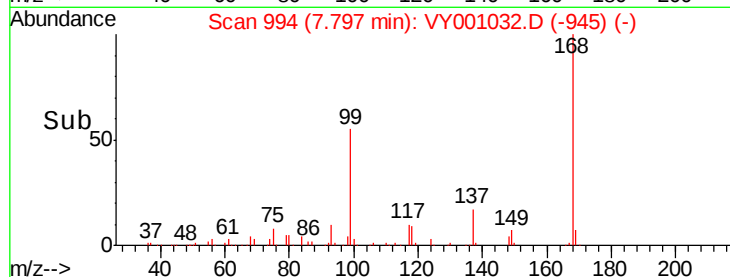
100000

50000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: 2.670 ug/l

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY001032.D

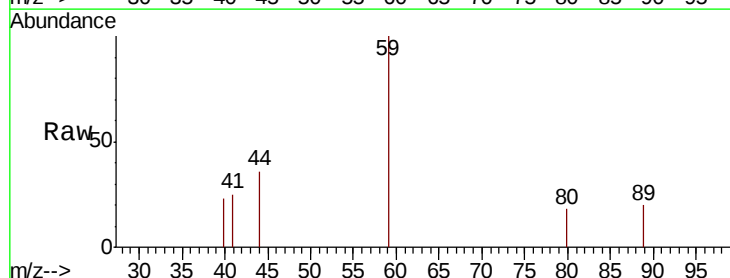
Acq: 23 Dec 2019 16:36

Tgt Ion: 59 Resp: 717

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001019.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY001019.D (-514) (-)

4.96

400

300

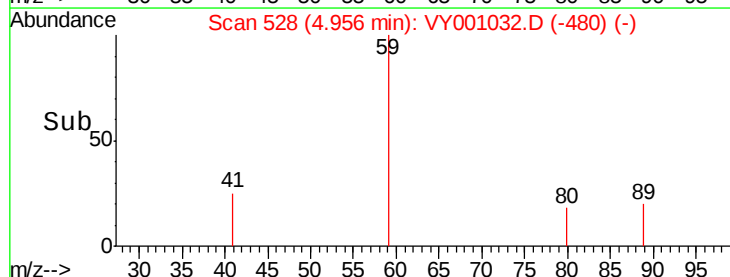
200

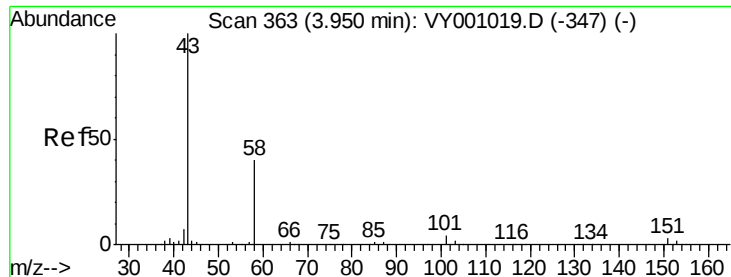
100

0

4.95 5.00

Time-->





#16

Acetone

Concen: 9.353 ug/l

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VY001032.D

Acq: 23 Dec 2019 16:36

Instrument :

MSVOA_Y

ClientSampleId :

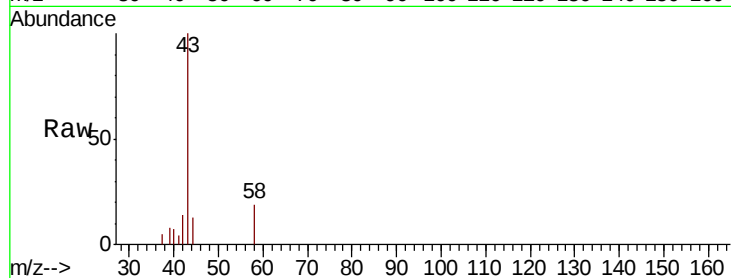
161-CHURCH-ST-NORTH-HALED

Tot Ion: 43 Resp: 5263

Ion Ratio Lower Upper

43 100

58 19.0 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY001019.D (-347) (-)

3.95

2000

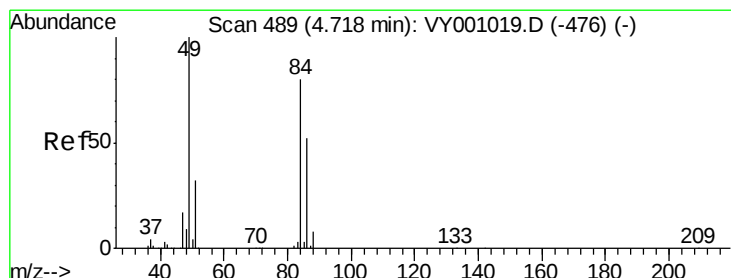
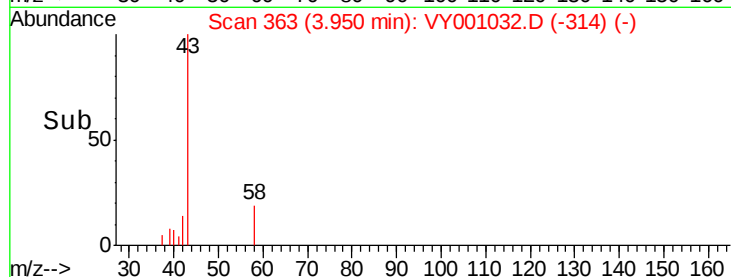
1500

1000

500

0

Time-->



#20

Methylene Chloride

Concen: 3.643 ug/l

RT: 4.72 min Scan# 489

Delta R.T. 0.00 min

Lab File: VY001032.D

Acq: 23 Dec 2019 16:36

Tgt Ion: 84 Resp: 12066

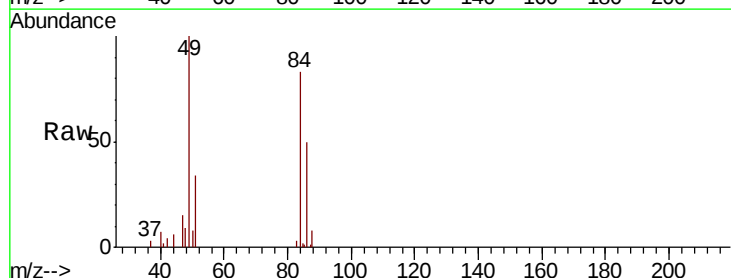
Ion Ratio Lower Upper

84 100

49 120.5 99.8 149.6

51 40.9 31.4 47.2

86 60.6 52.2 78.2



Abundance Ion 83.90 (83.60 to 84.60): VY001019.D (-476) (-)

Ion 48.90 (48.60 to 49.60): VY001019.D (-476) (-)

Ion 50.90 (50.60 to 51.60): VY001019.D (-476) (-)

Ion 85.90 (85.60 to 86.60): VY001019.D (-476) (-)

4.72

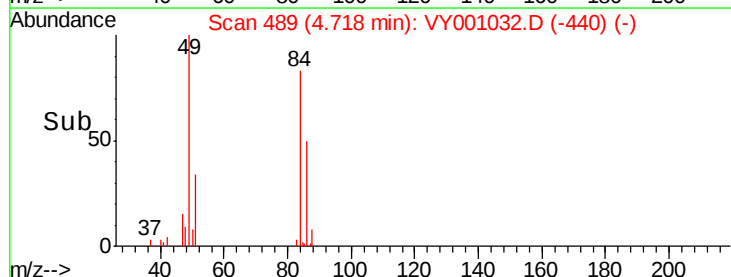
6000

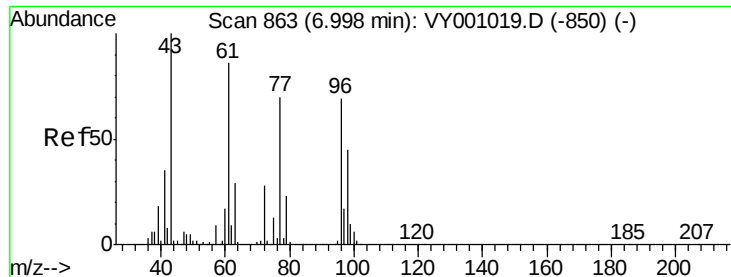
4000

2000

0

Time-->





#25

2-Butanone

Concen: 2.919 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY001032.D

Acq: 23 Dec 2019 16:36

Instrument :

MSVOA_Y

ClientSampleId :

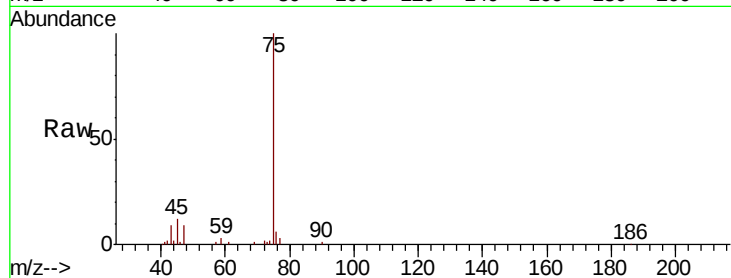
161-CHURCH-ST-NORTH-HALED

Tot Ion: 43 Resp: 2885

Ion Ratio Lower Upper

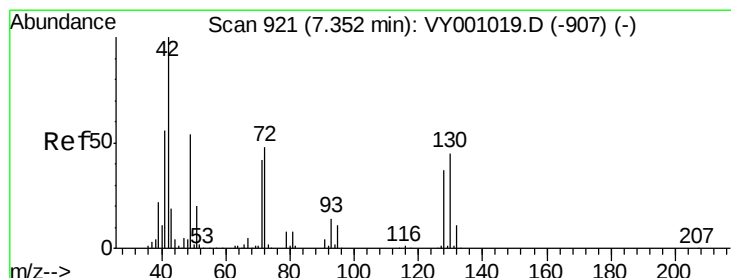
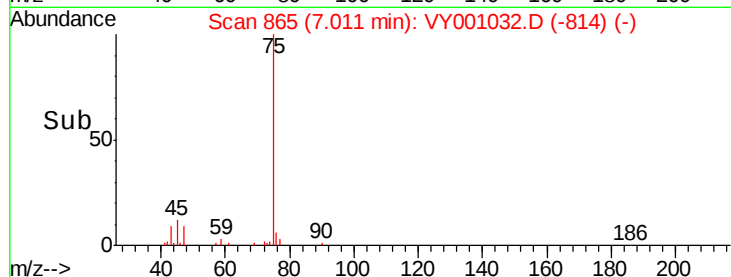
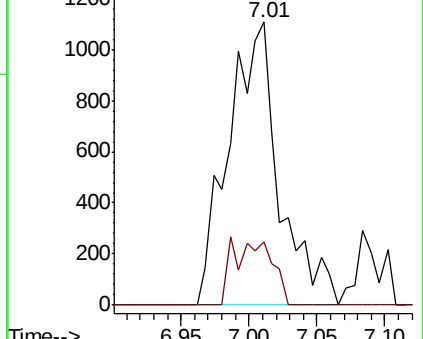
43 100

72 22.3 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#29

Tetrahydrofuran

Concen: 1.236 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY001032.D

Acq: 23 Dec 2019 16:36

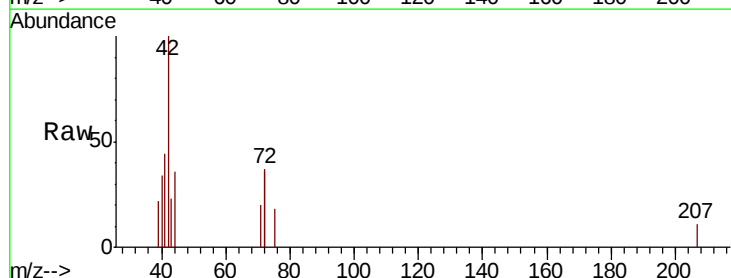
Tgt Ion: 42 Resp: 869

Ion Ratio Lower Upper

42 100

72 22.3 37.7 56.5#

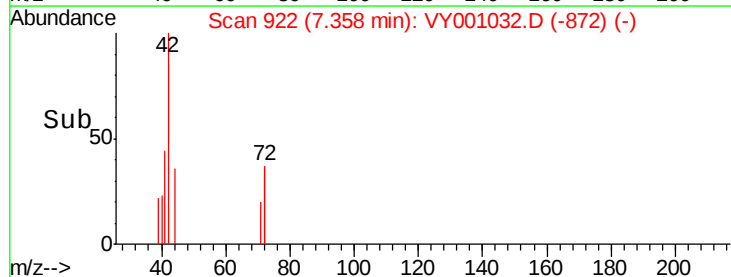
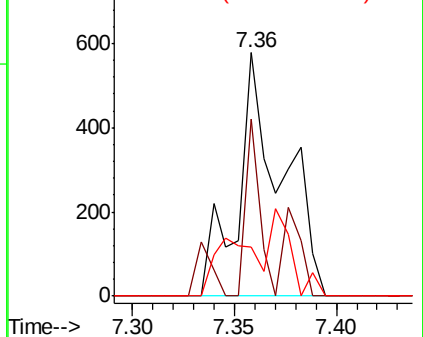
71 22.4 34.6 51.8#

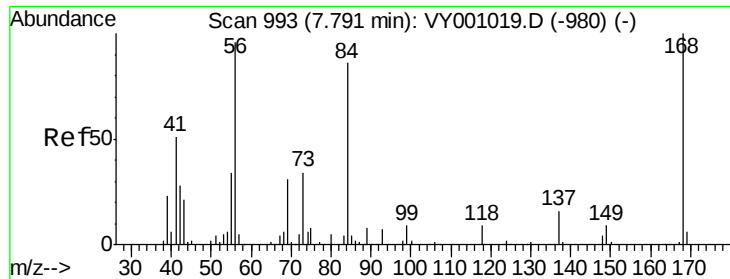


Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0

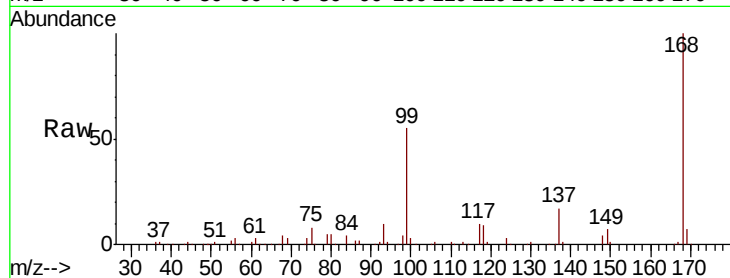




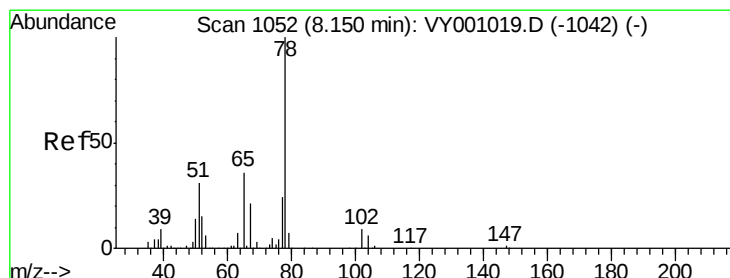
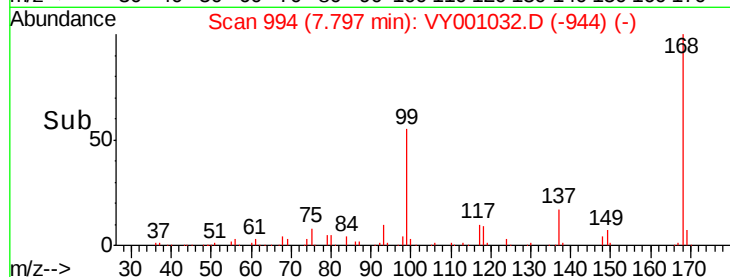
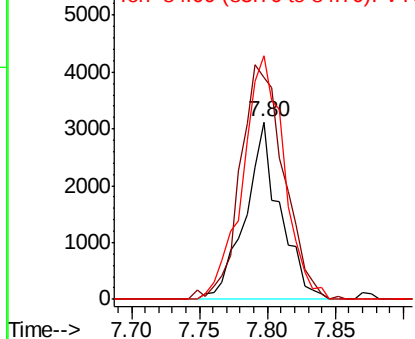
#31
Cyclohexane
Concen: 1.023 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY001032.D
Acq: 23 Dec 2019 16:36

Instrument :
MSVOA_Y
ClientSampleId :
161-CHURCH-ST-NORTH-HALED0

Tot Ion: 56 Resp: 5553
Ion Ratio Lower Upper
56 100
69 125.6 26.1 39.1#
84 137.5 71.8 107.8#

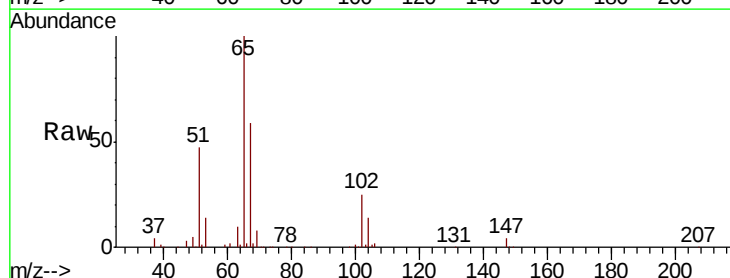


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

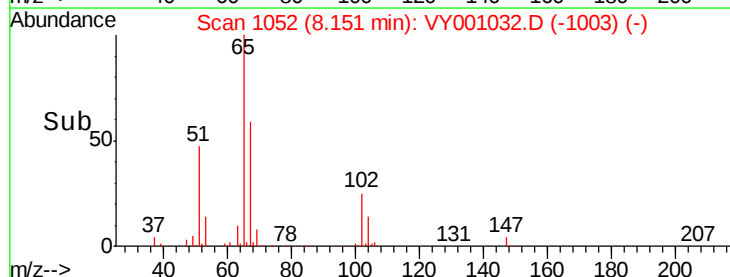
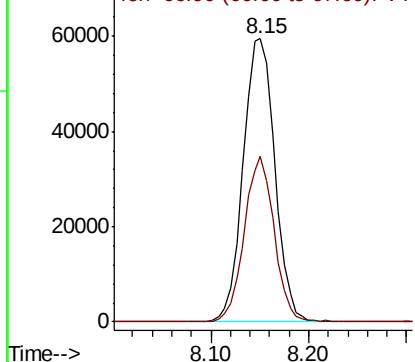


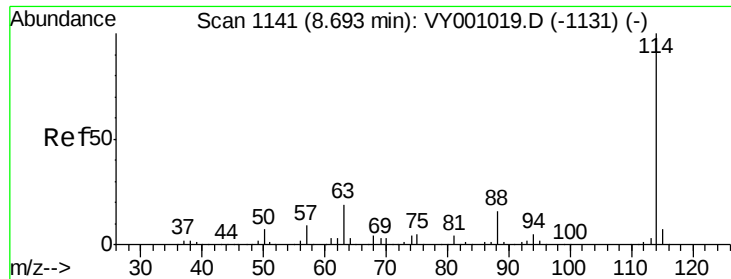
#33
1,2-Dichloroethane-d4
Concen: 54.531 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VY001032.D
Acq: 23 Dec 2019 16:36

Tgt Ion: 65 Resp: 133194
Ion Ratio Lower Upper
65 100
67 55.1 0.0 112.8



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

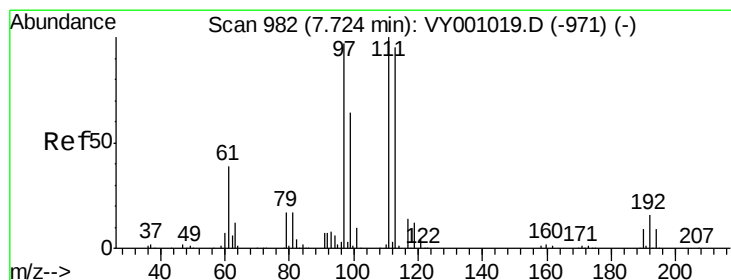
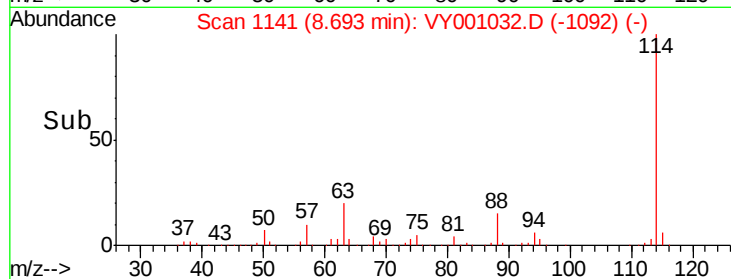
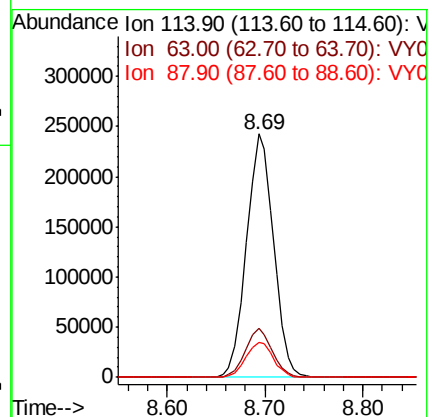
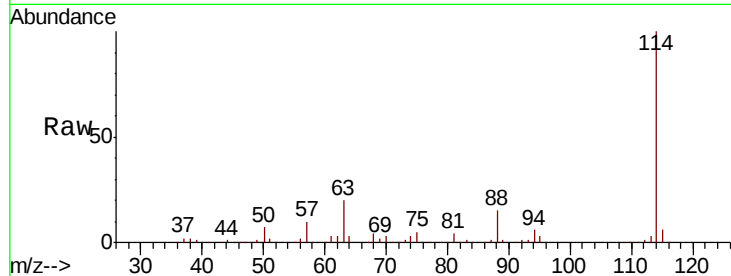




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY001032.D
 Acq: 23 Dec 2019 16:36

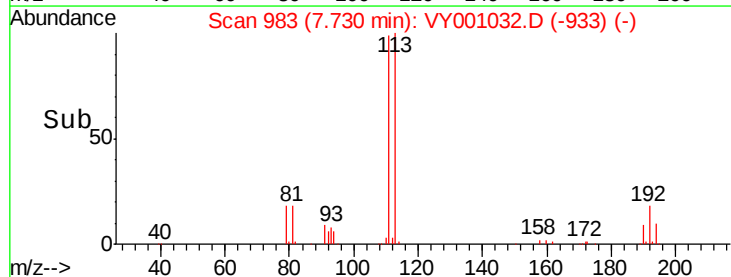
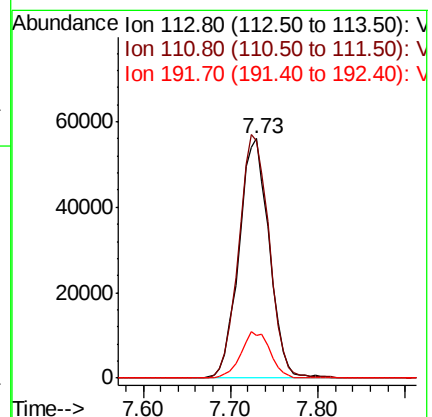
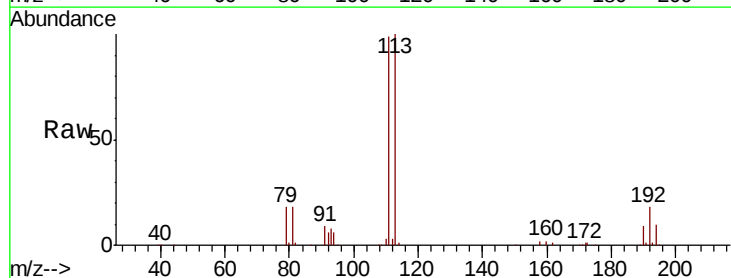
Instrument :
 MSVOA_Y
 ClientSampleId :
 161-CHURCH-ST-NORTH-HALED0

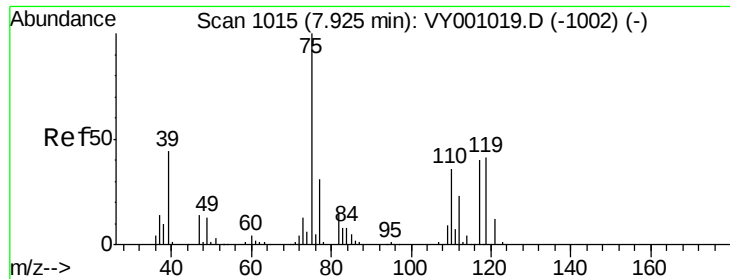
Tot Ion:114 Resp: 464887
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 37.0
 88 14.6 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 49.114 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001032.D
 Acq: 23 Dec 2019 16:36

Tgt Ion:113 Resp: 134449
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.0 124.4
 192 18.7 14.6 21.8

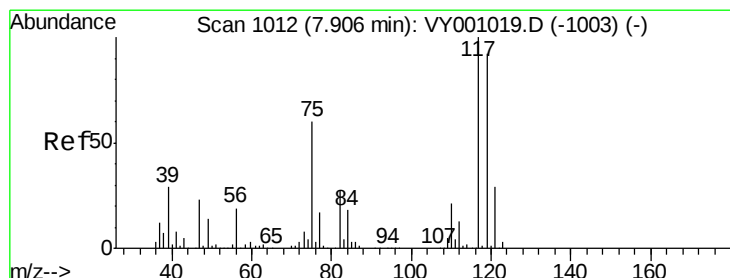
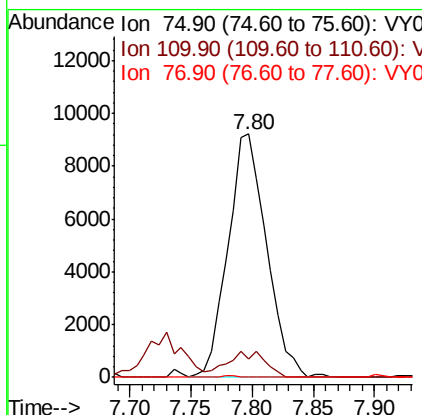
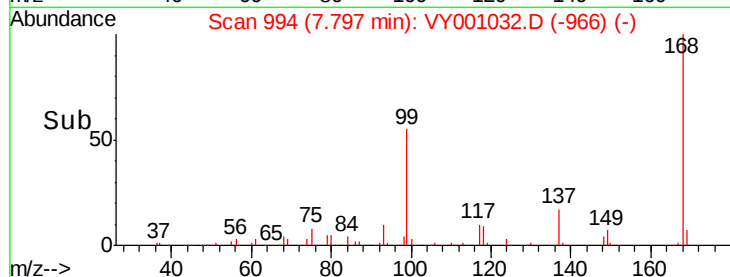
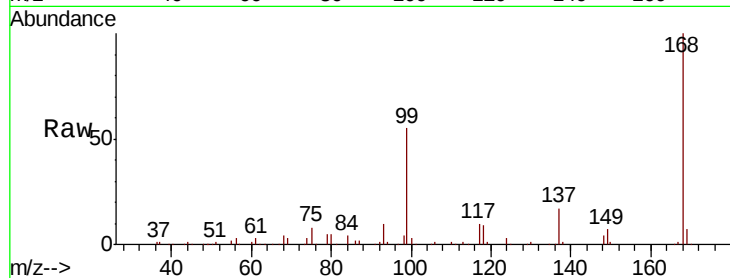




#36
 1,1-Dichloropropene
 Concen: 4.537 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY001032.D
 Acq: 23 Dec 2019 16:36

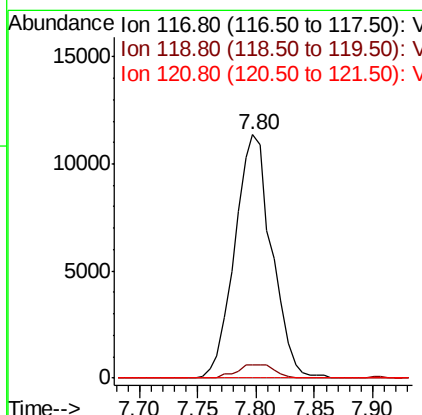
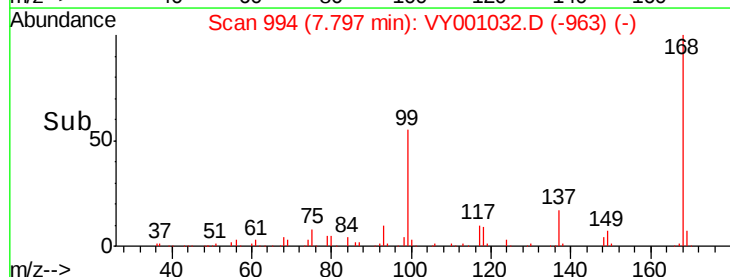
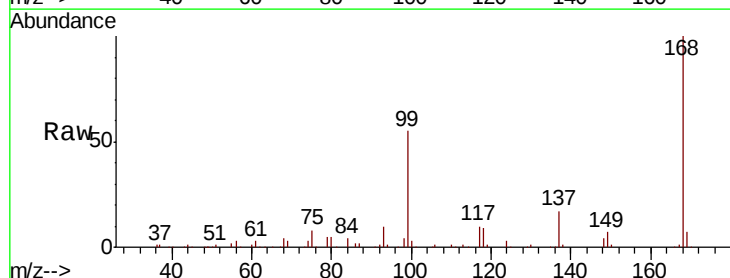
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 161-CHURCH-ST-NORTH-HALED0

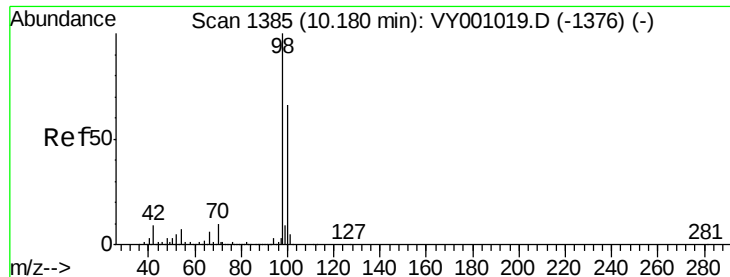
Tot Ion: 75 Resp: 20123
 Ion Ratio Lower Upper
 75 100
 110 10.5 18.1 54.4#
 77 0.3 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 6.463 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY001032.D
 Acq: 23 Dec 2019 16:36

Tgt Ion: 117 Resp: 25112
 Ion Ratio Lower Upper
 117 100
 119 5.6 74.2 111.2#
 121 0.0 22.9 34.3#





#50

Toluene-d8

Concen: 51.755 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001032.D

Acq: 23 Dec 2019 16:36

Instrument :

MSVOA_Y

ClientSampleId :

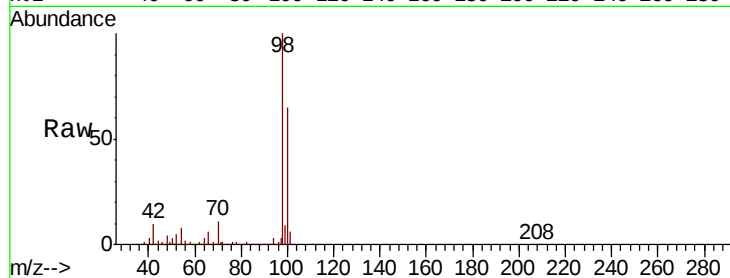
161-CHURCH-ST-NORTH-HALEDO

Tot Ion: 98 Resp: 553685

Ion Ratio Lower Upper

98 100

100 65.2 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001019.D (-1376) (-)

Ion 100.00 (99.70 to 100.70): VY001019.D (-1376) (-)

10.18

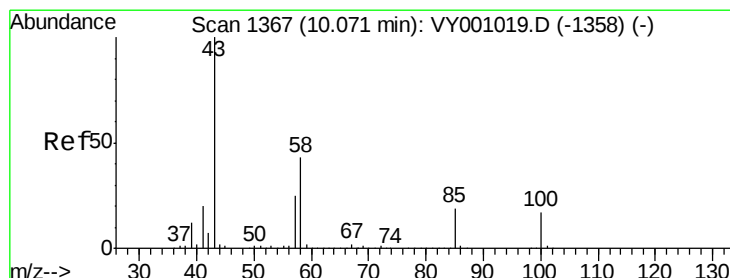
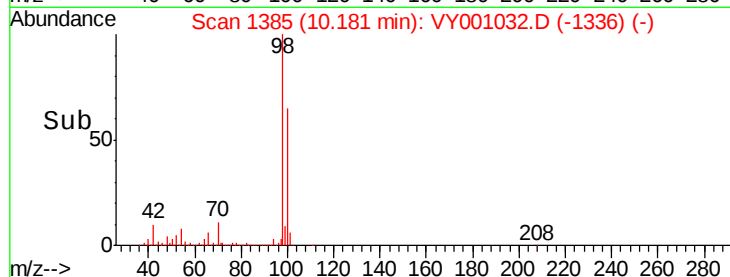
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.101 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY001032.D

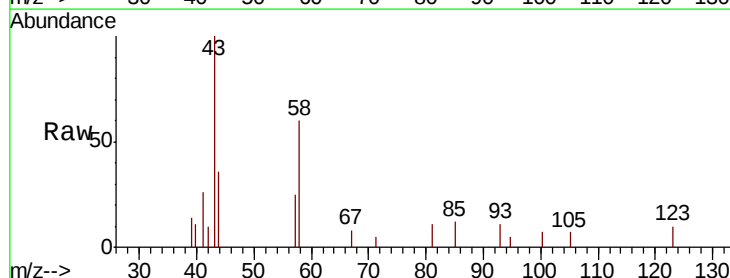
Acq: 23 Dec 2019 16:36

Tgt Ion: 43 Resp: 2609

Ion Ratio Lower Upper

43 100

58 44.0 34.6 52.0



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-1358) (-)

Ion 58.00 (57.70 to 58.70): VY001019.D (-1358) (-)

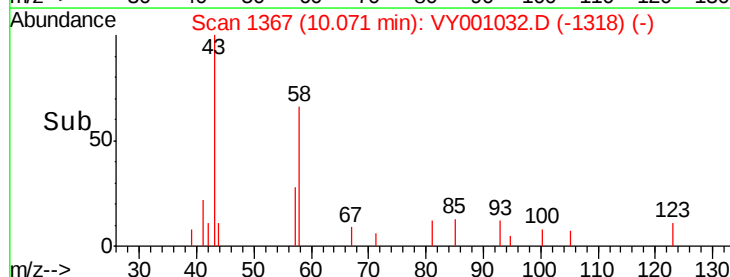
10.07

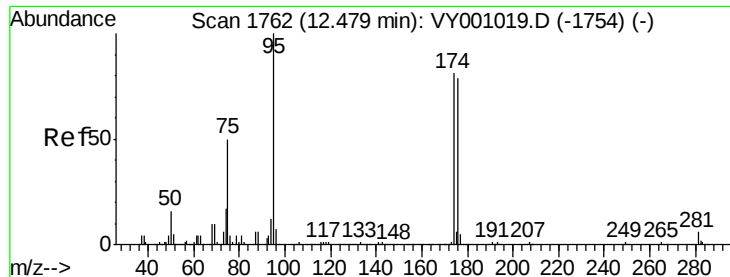
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 45.767 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY001032.D

Acq: 23 Dec 2019 16:36

Instrument :

MSVOA_Y

ClientSampleId :

161-CHURCH-ST-NORTH-HALEDO

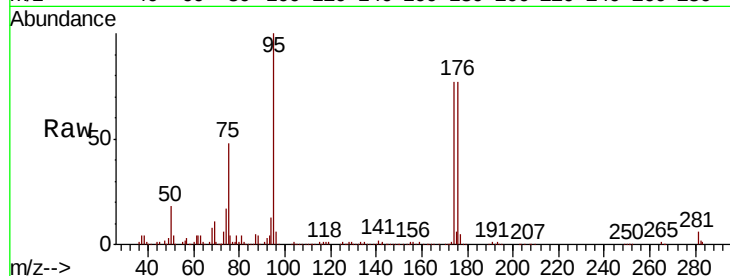
Tot Ion: 95 Resp: 179015

Ion Ratio Lower Upper

95 100

174 77.5 0.0 156.4

176 75.6 0.0 155.0

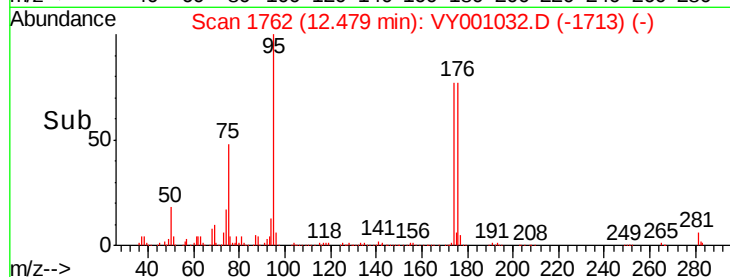


Abundance Ion 94.90 (94.60 to 95.60): VY001019.D (-1754) (-)

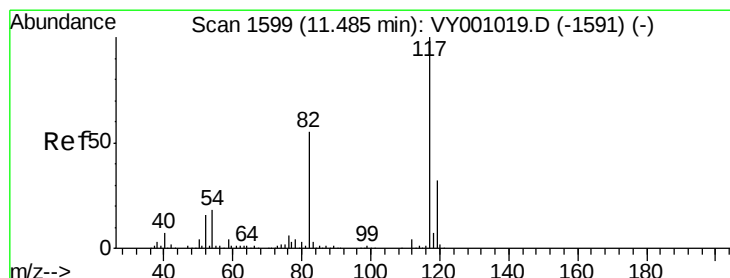
Ion 173.80 (173.50 to 174.50): VY001019.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY001019.D (-1754) (-)

12.48



Time--> 12.40 12.45 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VY001032.D

Acq: 23 Dec 2019 16:36

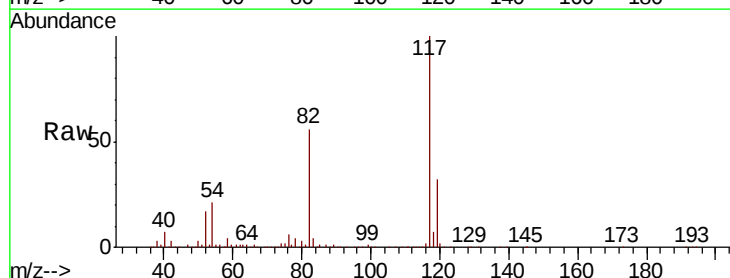
Tgt Ion: 117 Resp: 412973

Ion Ratio Lower Upper

117 100

82 55.8 43.8 65.8

119 32.0 25.8 38.6

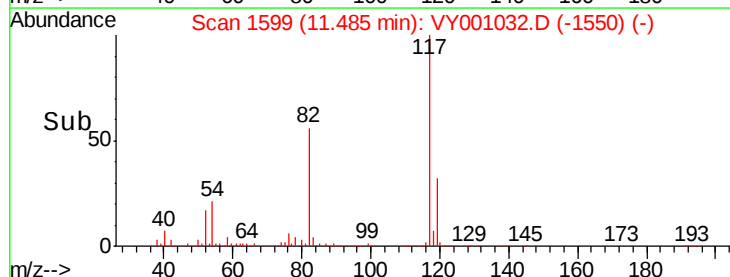


Abundance Ion 116.90 (116.60 to 117.60): VY001019.D (-1591) (-)

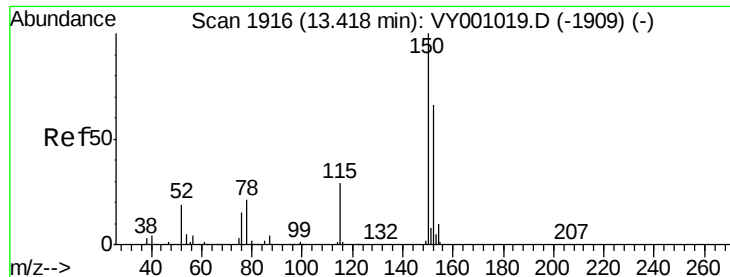
Ion 82.00 (81.70 to 82.70): VY001019.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY001019.D (-1591) (-)

11.49



Time--> 11.40 11.50



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VY001032.D

Acq: 23 Dec 2019 16:36

Instrument :

MSVOA_Y

ClientSampleId :

161-CHURCH-ST-NORTH-HALED

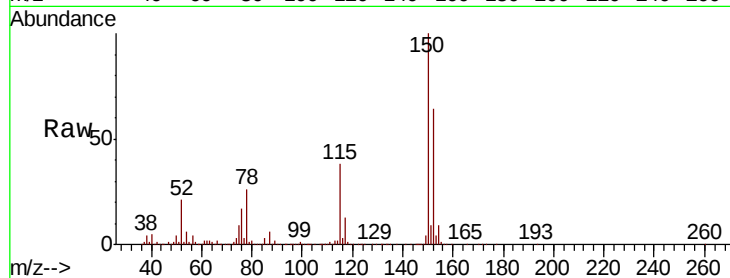
Tot Ion:152 Resp: 173520

Ion Ratio Lower Upper

152 100

115 60.1 29.8 89.3

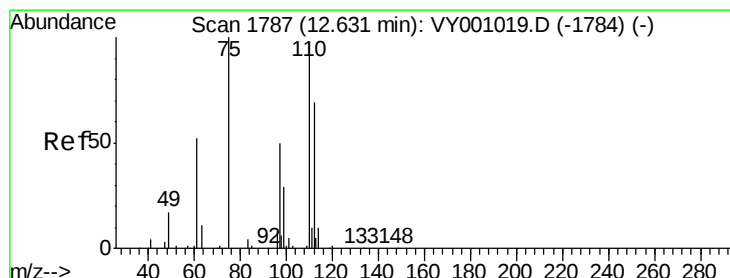
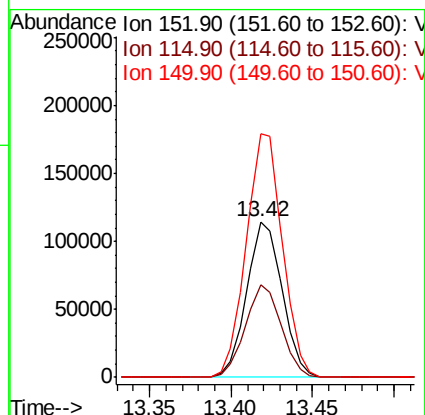
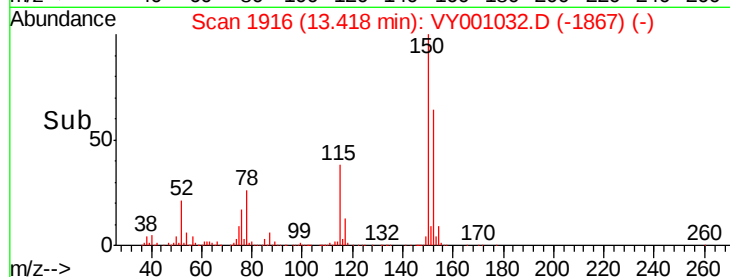
150 160.5 0.0 352.6



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: 42.280 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001032.D

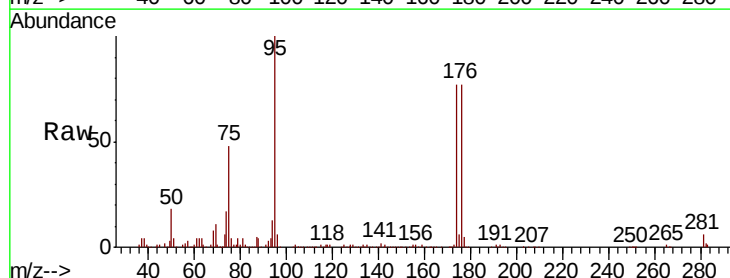
Acq: 23 Dec 2019 16:36

Tgt Ion: 75 Resp: 90444

Ion Ratio Lower Upper

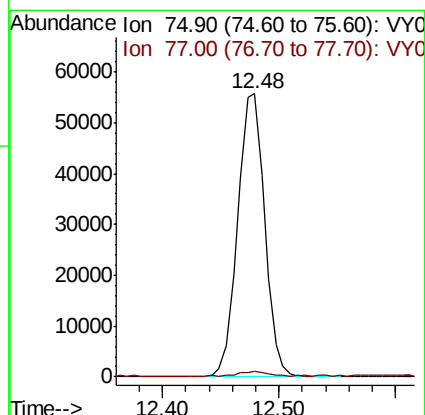
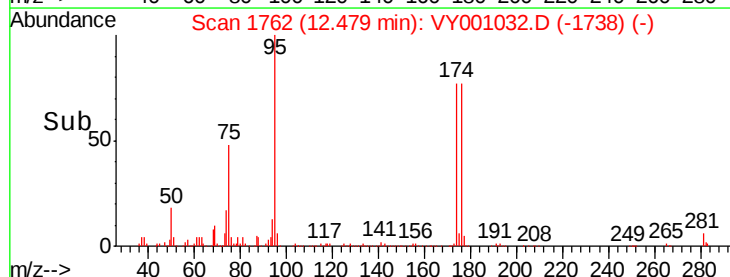
75 100

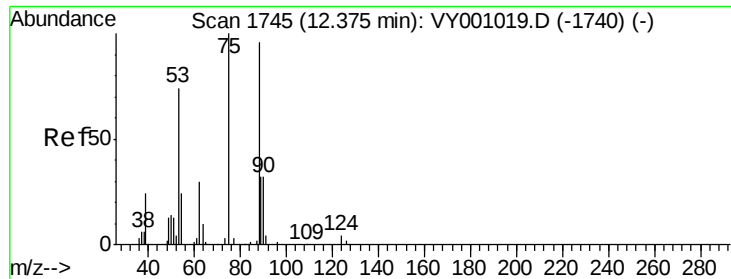
77 2.5 0.0 0.0#



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: 90.174 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001032.D

Acq: 23 Dec 2019 16:36

Instrument :

MSVOA_Y

ClientSampleId :

161-CHURCH-ST-NORTH-HALEDO

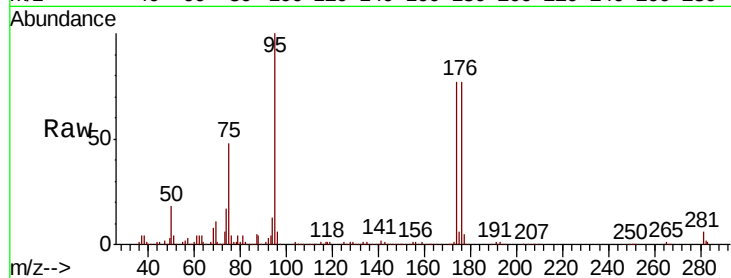
Tot Ion: 75 Resp: 90444

Ion Ratio Lower Upper

75 100

53 0.4 60.6 91.0#

89 0.2 35.4 53.0#



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

