

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061620\
 Data File : VY002910.D
 Acq On : 16 Jun 2020 15:21
 Operator : SY/MD
 Sample : L3022-03
 Misc : 6.42G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HLP-B

Quant Time: Jun 17 01:47:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	242713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	398728	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	375725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	189231	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	124523	59.09	ug/l	0.00
Spiked Amount			Recovery	=	118.18%	
35) Dibromofluoromethane	7.72	113	123811	52.98	ug/l	0.00
Spiked Amount			Recovery	=	105.96%	
50) Toluene-d8	10.18	98	465910	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
62) 4-Bromofluorobenzene	12.48	95	159862	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	

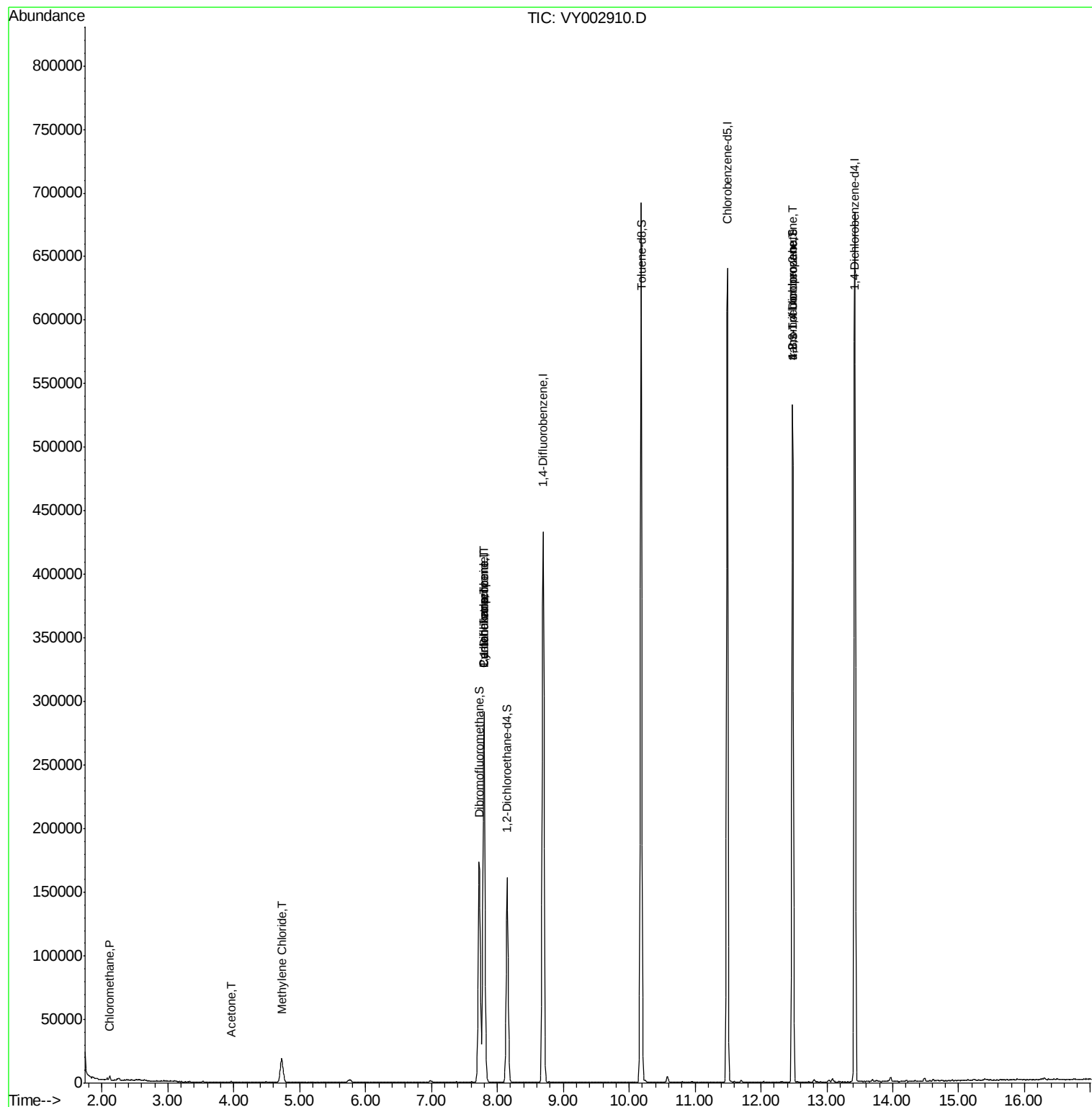
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	2697	1.460	ug/l #	88
11) Tert butyl alcohol	4.96	59	171	Below Cal	#	74
16) Acetone	3.96	43	752	1.522	ug/l #	79
18) Methyl Acetate	4.49	43	633	Below Cal	#	55
20) Methylene Chloride	4.72	84	14962	6.196	ug/l	97
31) Cyclohexane	7.80	56	3661	1.024	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	15107	4.498	ug/l #	48
38) Carbon Tetrachloride	7.80	117	21610	5.792	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	77424	45.407	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	77424	85.547	ug/l #	17

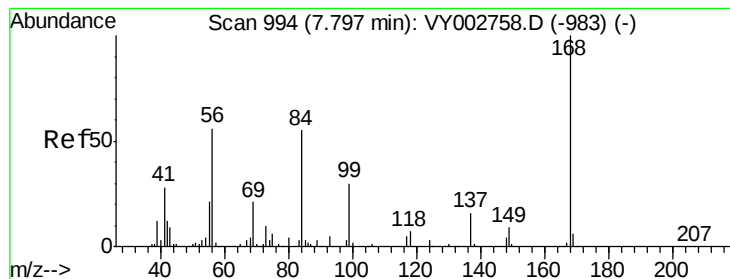
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
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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: VY002910.D

Acq: 16 Jun 2020 15:21

Instrument :

MSVOA_Y

ClientSampleId :

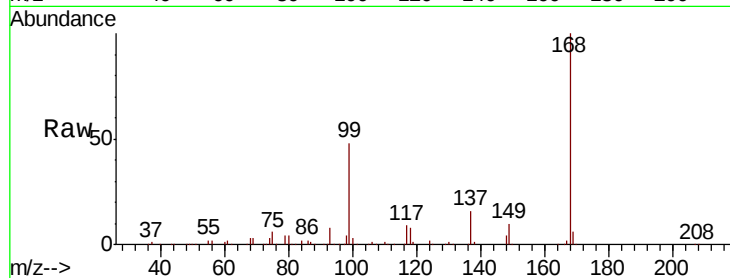
HLP-B

Tot Ion:168 Resp: 242713

Ion Ratio Lower Upper

168 100

99 48.5 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002758.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002758.D (-983) (-)

7.80

120000

100000

80000

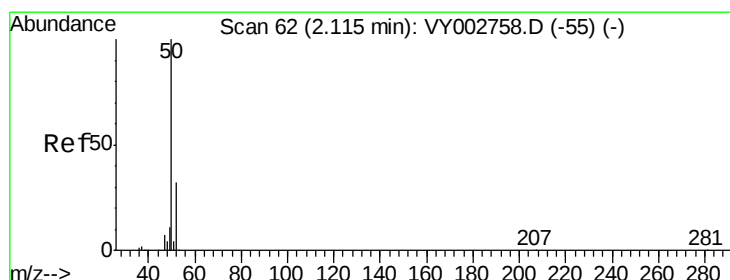
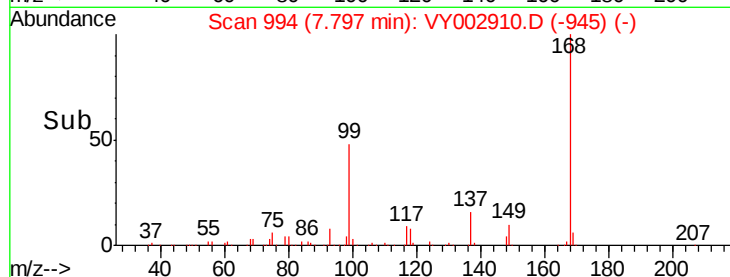
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 1.460 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY002910.D

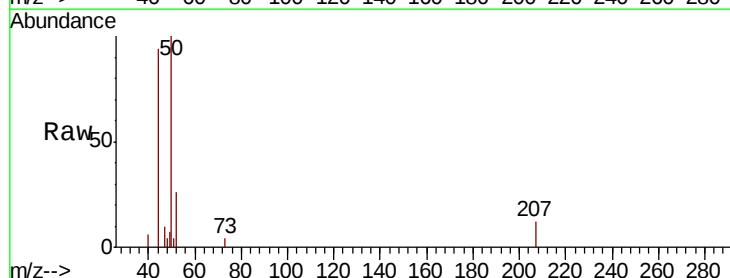
Acq: 16 Jun 2020 15:21

Tgt Ion: 50 Resp: 2697

Ion Ratio Lower Upper

50 100

52 25.6 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VY002758.D (-55) (-)

Ion 51.90 (51.60 to 52.60): VY002758.D (-55) (-)

2.12

2000

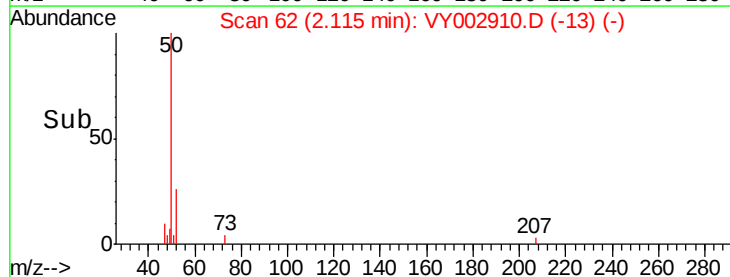
1500

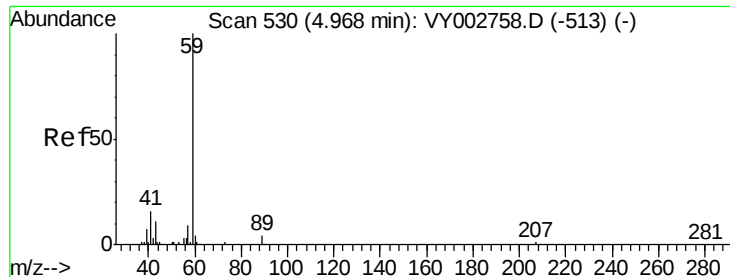
1000

500

0

Time-->



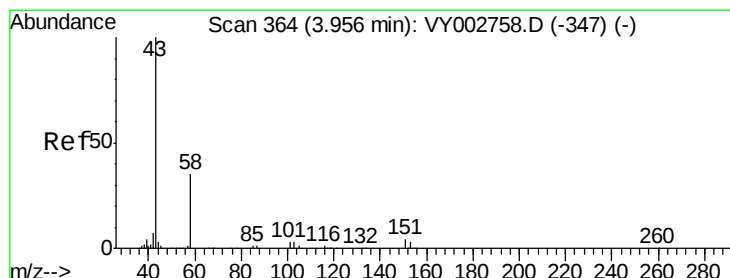
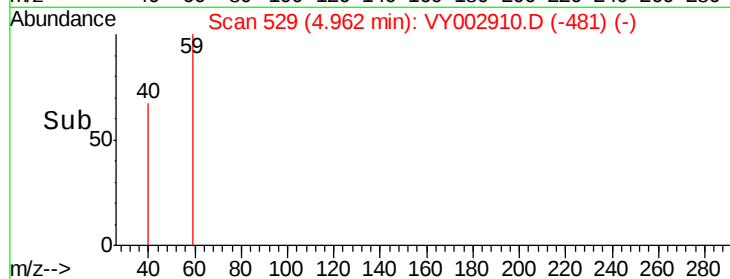
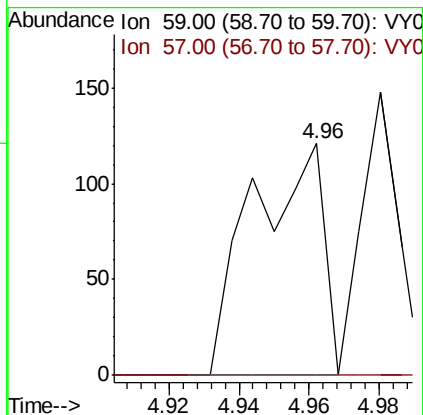
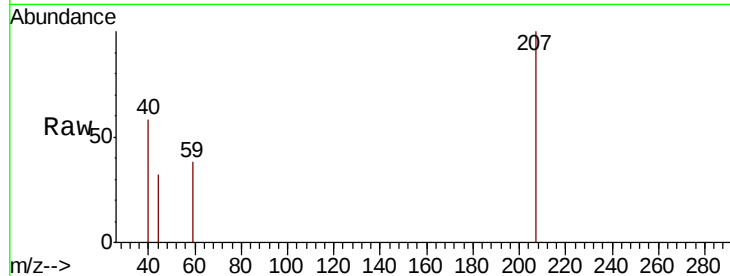


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.96 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VY002910.D
 Acq: 16 Jun 2020 15:21

Instrument :
 MSVOA_Y
 ClientSampled :
 HLP-B

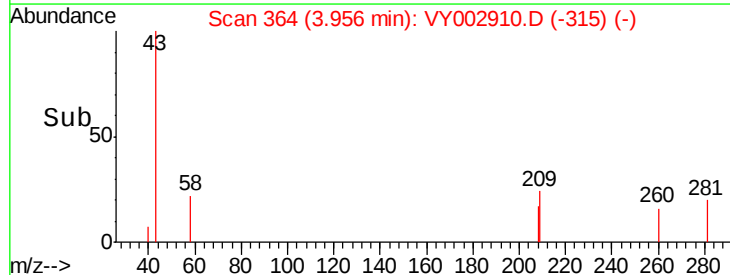
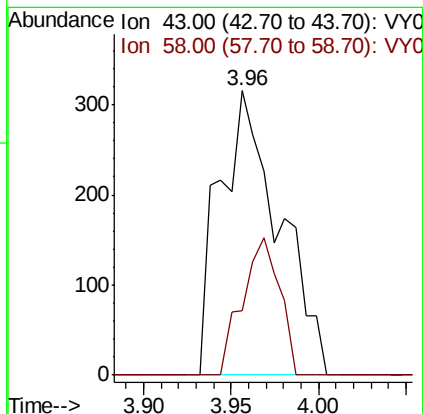
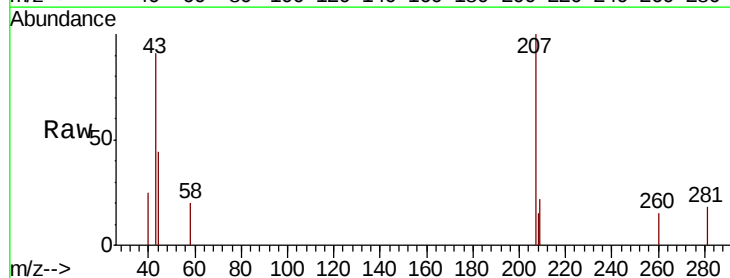
Tot Ion: 59 Resp: 171
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

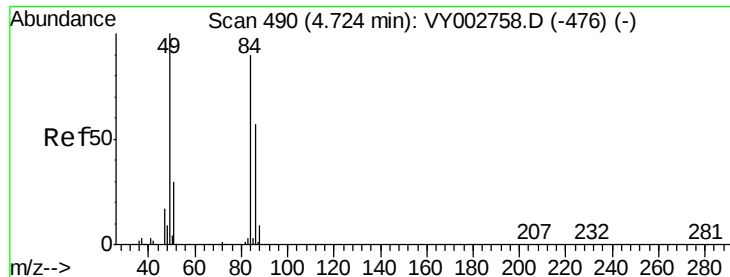


#16

Acetone
 Concen: 1.522 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VY002910.D
 Acq: 16 Jun 2020 15:21

Tgt Ion: 43 Resp: 752
 Ion Ratio Lower Upper
 43 100
 58 22.5 27.7 41.5#





#20

Methylene Chloride

Concen: 6.196 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY002910.D

Acq: 16 Jun 2020 15:21

Instrument :

MSVOA_Y

ClientSampleId :

HLP-B

Tot Ion: 84 Resp: 14962

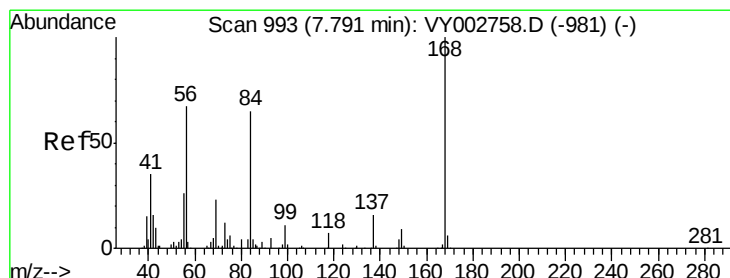
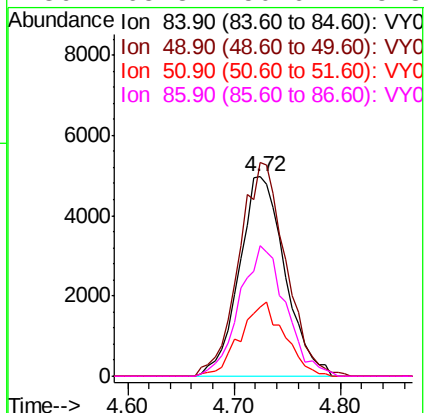
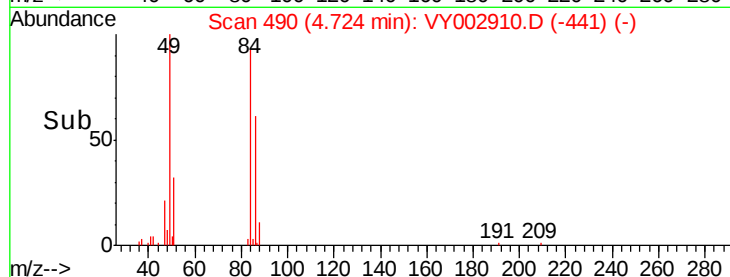
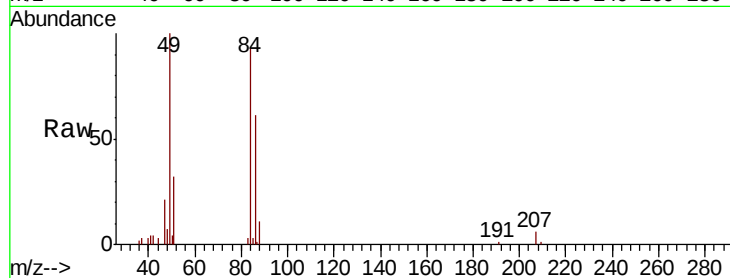
Ion Ratio Lower Upper

84 100

49 107.1 88.5 132.7

51 34.5 26.8 40.2

86 65.8 50.6 75.8



#31

Cyclohexane

Concen: 1.024 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY002910.D

Acq: 16 Jun 2020 15:21

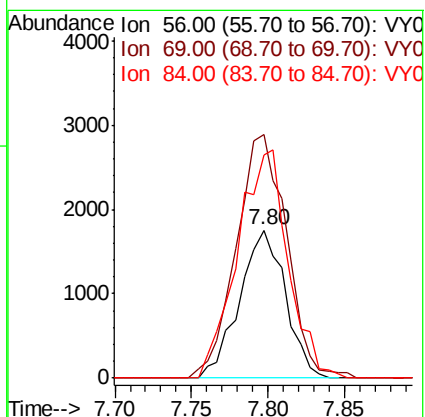
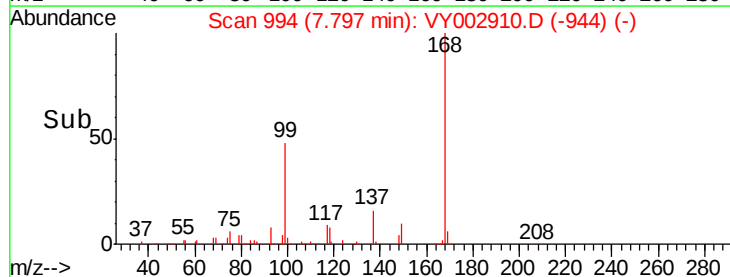
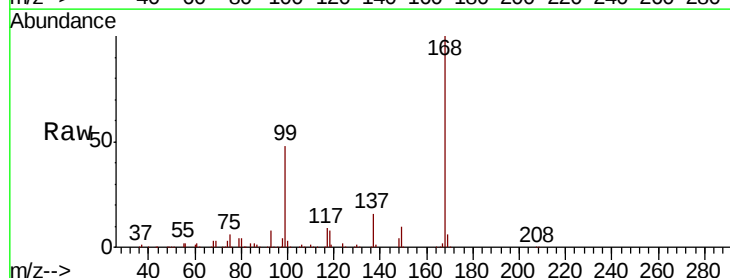
Tgt Ion: 56 Resp: 3661

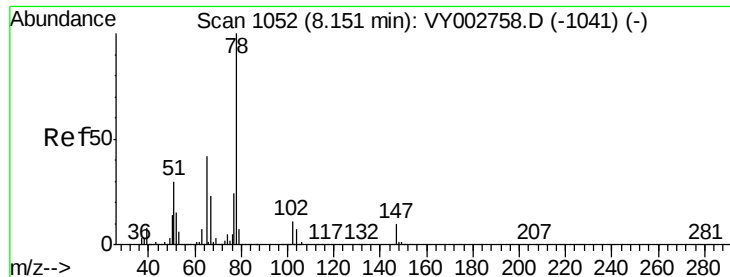
Ion Ratio Lower Upper

56 100

69 164.4 28.0 42.0#

84 150.9 77.7 116.5#

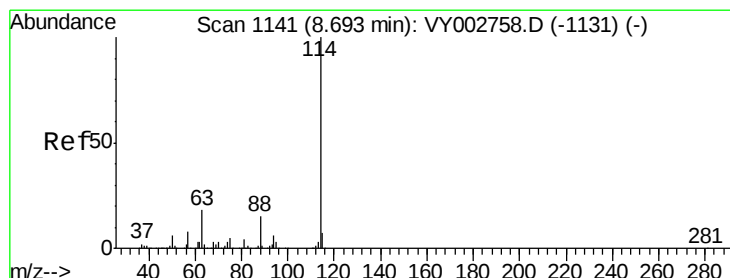
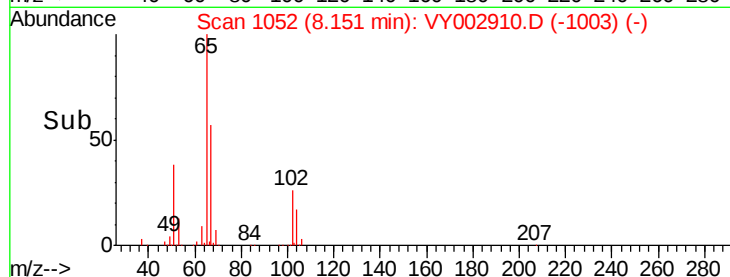
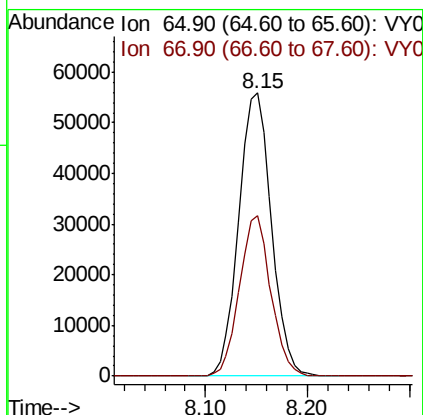
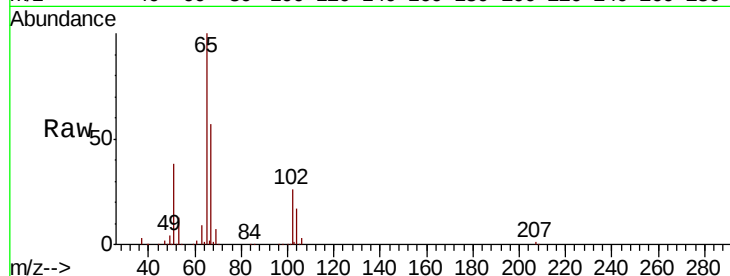




#33
 1,2-Dichloroethane-d4
 Concen: 59.088 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY002910.D
 Acq: 16 Jun 2020 15:21

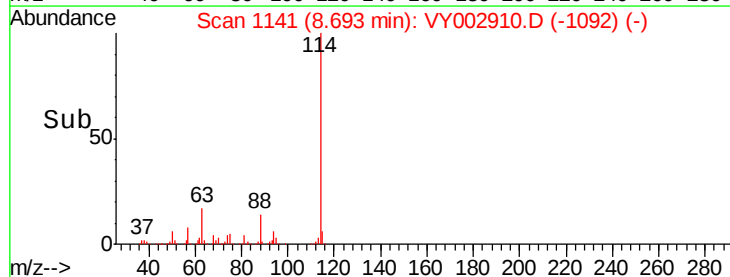
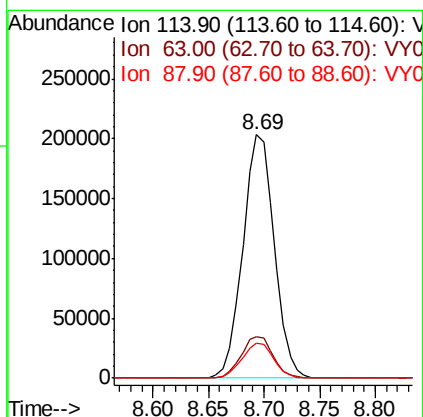
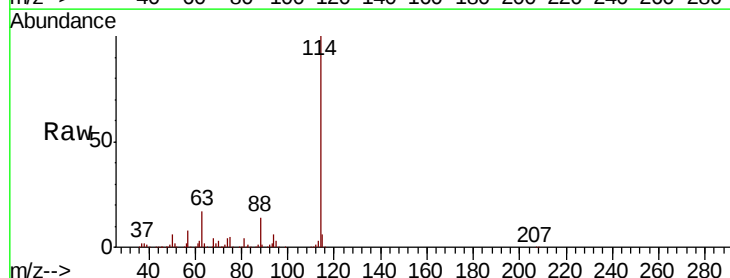
Instrument :
 MSVOA_Y
 ClientSampleId :
 HLP-B

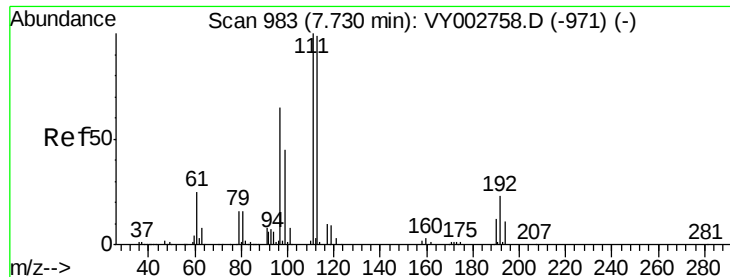
Tot Ion: 65 Resp: 124523
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002910.D
 Acq: 16 Jun 2020 15:21

Tgt Ion: 114 Resp: 398728
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 35.2
 88 14.3 0.0 29.2

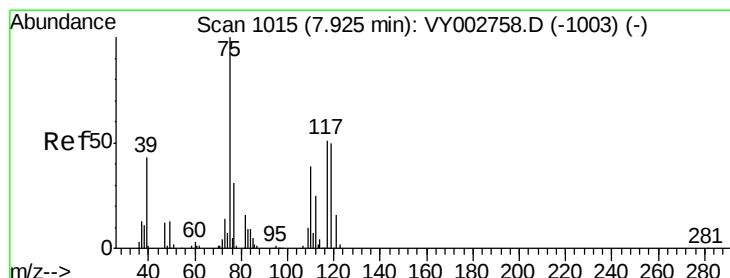
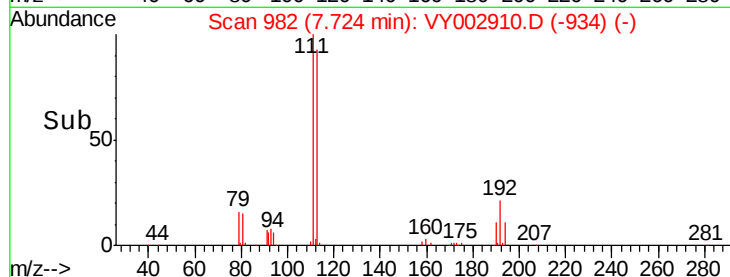
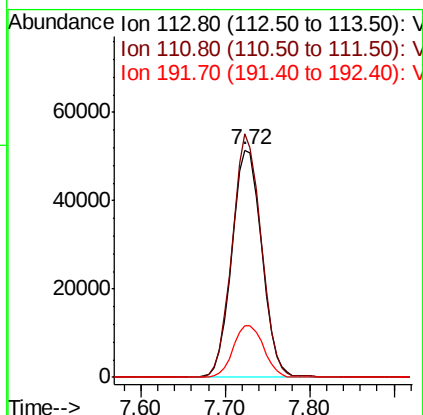
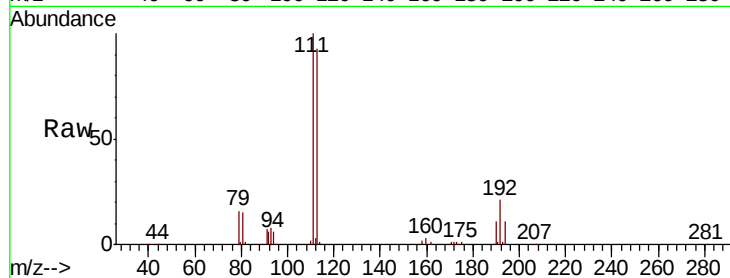




#35
 Dibromofluoromethane
 Concen: 52.984 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002910.D
 Acq: 16 Jun 2020 15:21

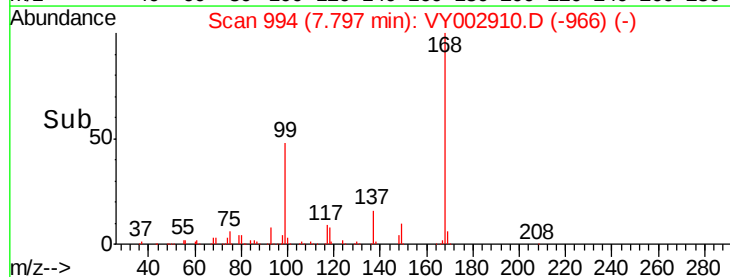
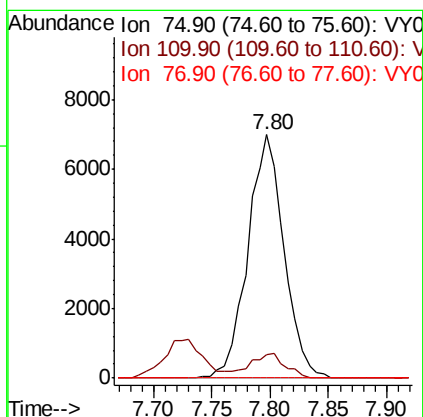
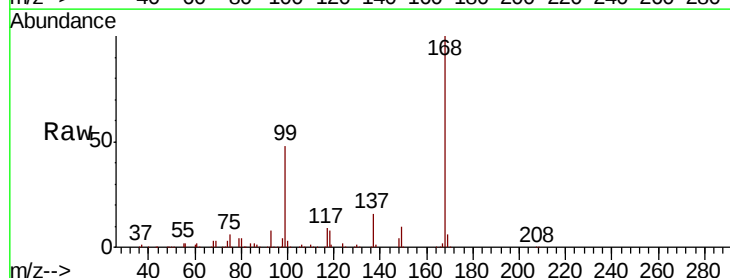
Instrument :
 MSVOA_Y
 ClientSampleId :
 HLP-B

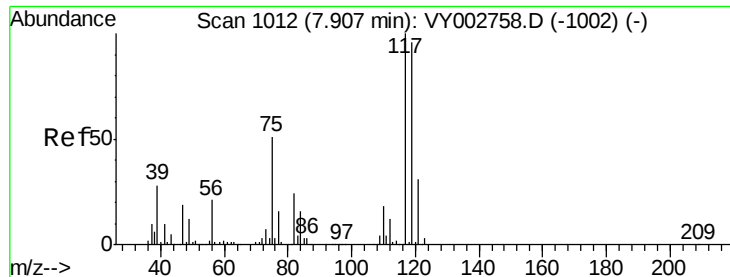
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.0	123.0
192	23.0	18.9	28.3



#36
 1,1-Dichloropropene
 Concen: 4.498 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002910.D
 Acq: 16 Jun 2020 15:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	19.3	57.9#
77	0.0	24.8	37.2#

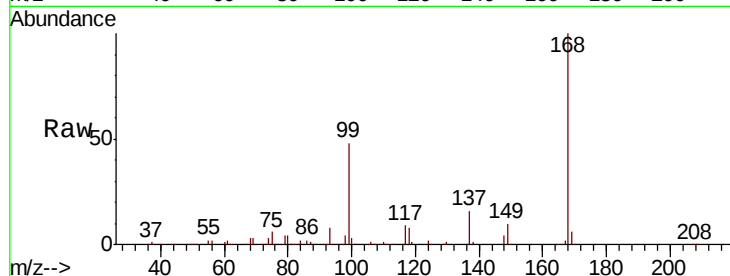




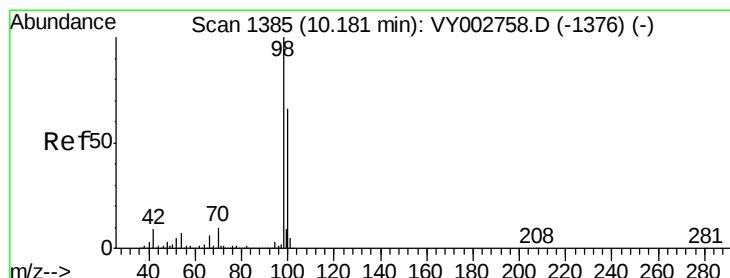
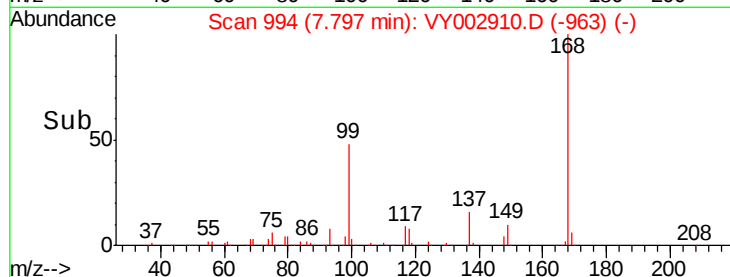
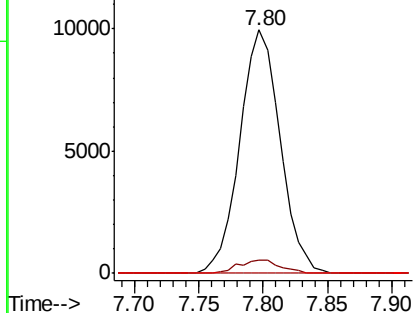
#38
Carbon Tetrachloride
Concen: 5.792 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY002910.D
Acq: 16 Jun 2020 15:21

Instrument :
MSVOA_Y
ClientSampleId :
HLP-B

Tot Ion:117 Resp: 21610
Ion Ratio Lower Upper
117 100
119 5.5 76.8 115.2#
121 0.0 24.8 37.2#

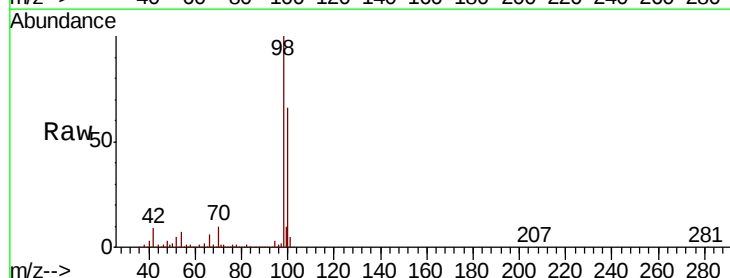


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

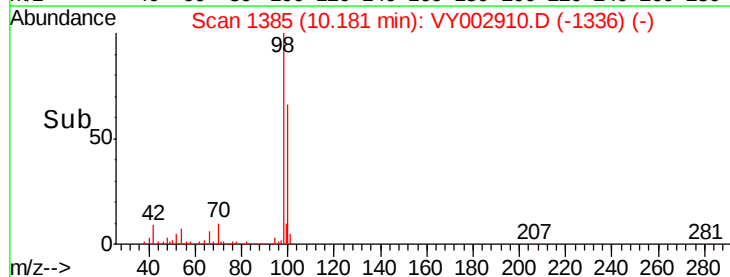
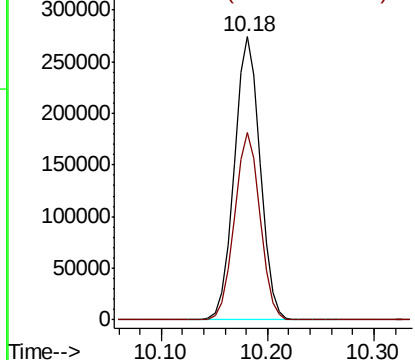


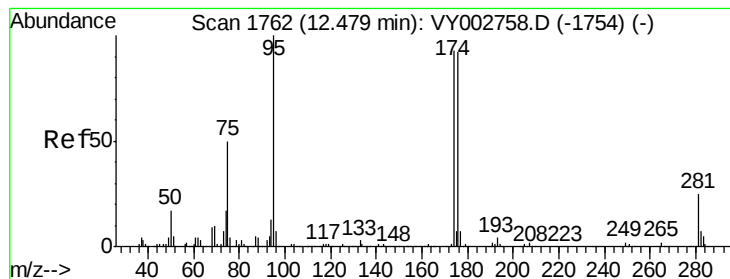
#50
Toluene-d8
Concen: 49.313 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002910.D
Acq: 16 Jun 2020 15:21

Tgt Ion: 98 Resp: 465910
Ion Ratio Lower Upper
98 100
100 65.4 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: 49.510 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002910.D

Acq: 16 Jun 2020 15:21

Instrument :

MSVOA_Y

ClientSampled :

HLP-B

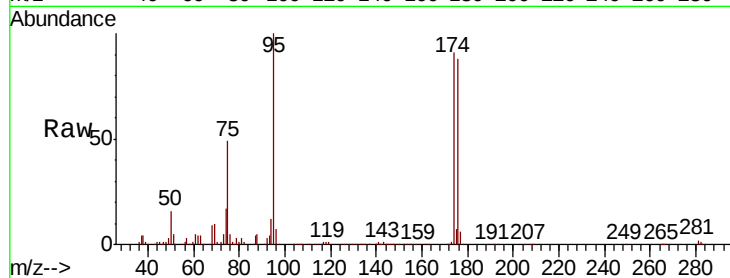
Tot Ion: 95 Resp: 159862

Ion Ratio Lower Upper

95 100

174 95.1 0.0 191.2

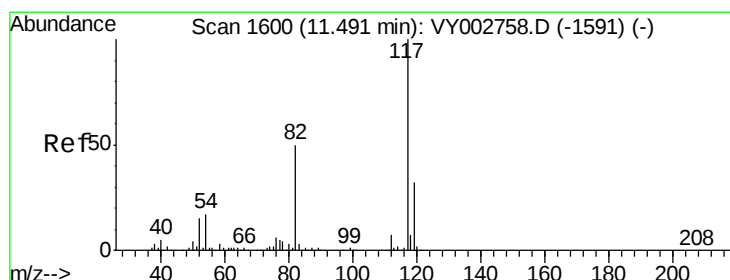
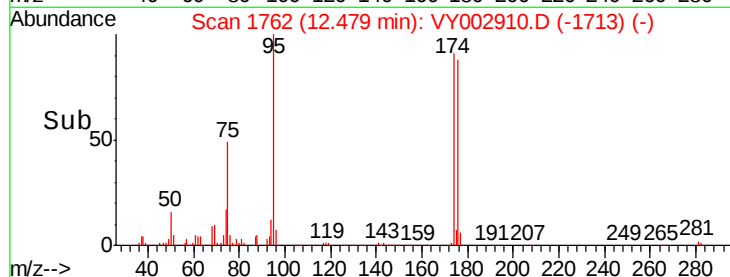
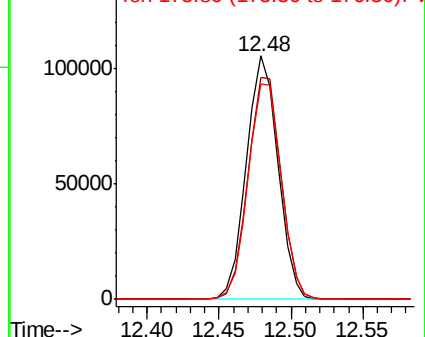
176 92.7 0.0 188.8



Abundance Ion 94.90 (94.60 to 95.60): VY002910.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY002910.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY002910.D (-1754) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY002910.D

Acq: 16 Jun 2020 15:21

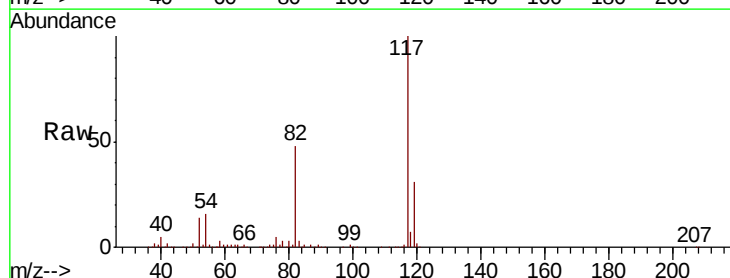
Tgt Ion: 117 Resp: 375725

Ion Ratio Lower Upper

117 100

82 48.1 40.2 60.4

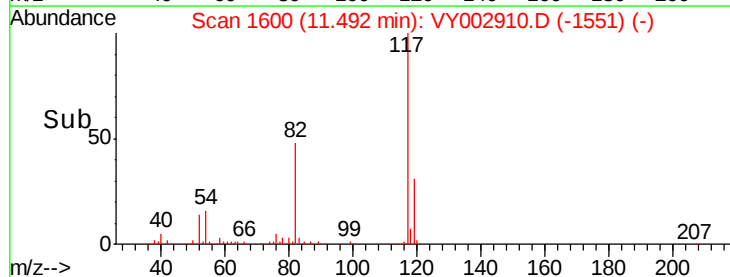
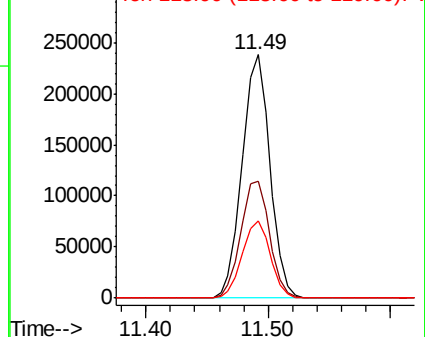
119 31.5 25.8 38.8

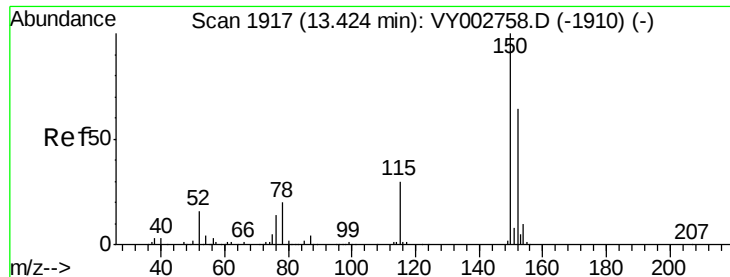


Abundance Ion 116.90 (116.60 to 117.60): VY002910.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY002910.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY002910.D (-1551) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY002910.D

Acq: 16 Jun 2020 15:21

Instrument :

MSVOA_Y

ClientSampleId :

HLP-B

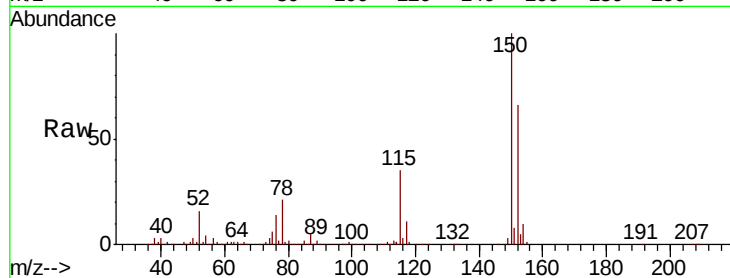
Tot Ion:152 Resp: 189231

Ion Ratio Lower Upper

152 100

115 53.5 27.0 81.0

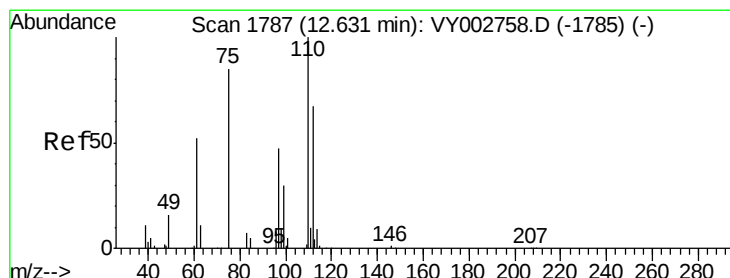
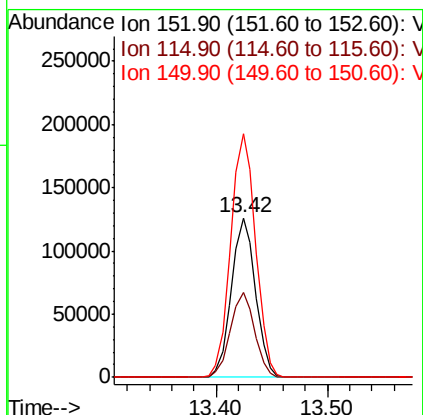
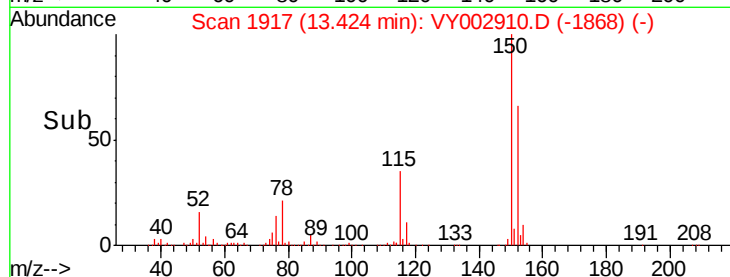
150 157.2 0.0 344.8



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: 45.407 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002910.D

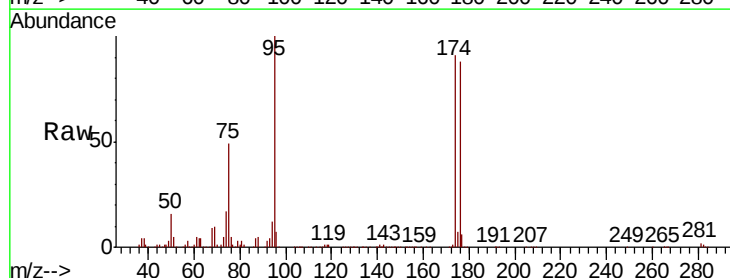
Acq: 16 Jun 2020 15:21

Tgt Ion: 75 Resp: 77424

Ion Ratio Lower Upper

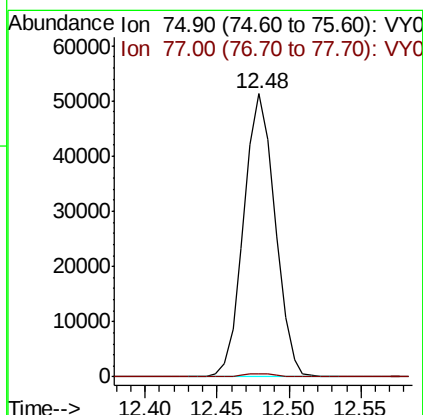
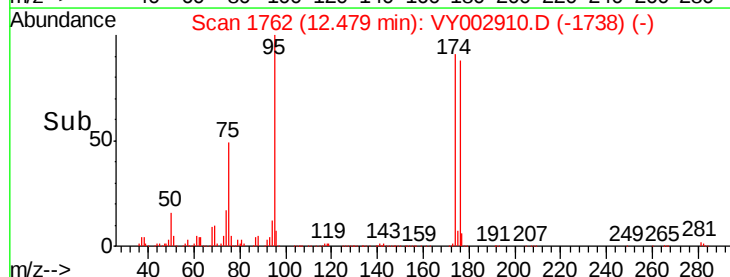
75 100

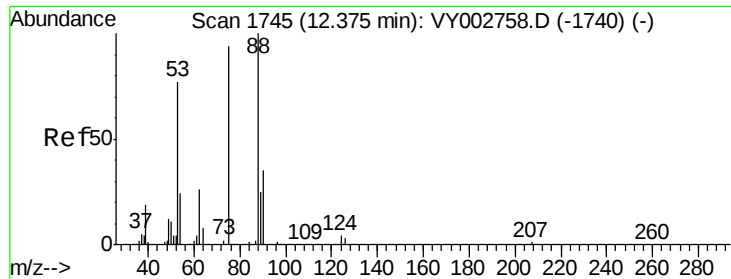
77 1.2 0.0 0.0#



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: 85.547 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002910.D

Acq: 16 Jun 2020 15:21

Instrument :

MSVOA_Y

ClientSampleId :

HLP-B

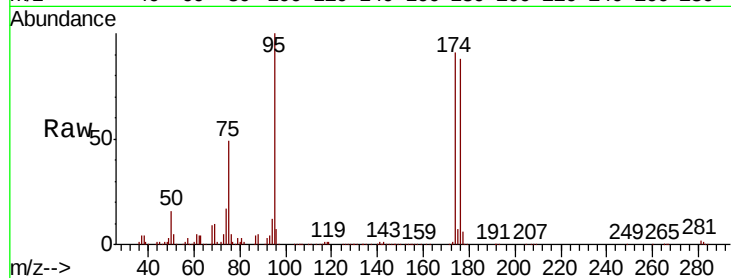
Tot Ion: 75 Resp: 77424

Ion Ratio Lower Upper

75 100

53 0.0 64.0 96.0#

89 0.0 37.4 56.2#



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

