

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY060520\
 Data File : VY002853.D
 Acq On : 05 Jun 2020 17:01
 Operator : SY/MD
 Sample : L2886-01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GEN

Quant Time: Jun 06 07:59:01 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	318332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	520468	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	494324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	256683	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	158378	57.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.60%	
35) Dibromofluoromethane	7.72	113	139616	45.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.54%	
50) Toluene-d8	10.18	98	616189	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.48	95	221976	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	

Target Compounds

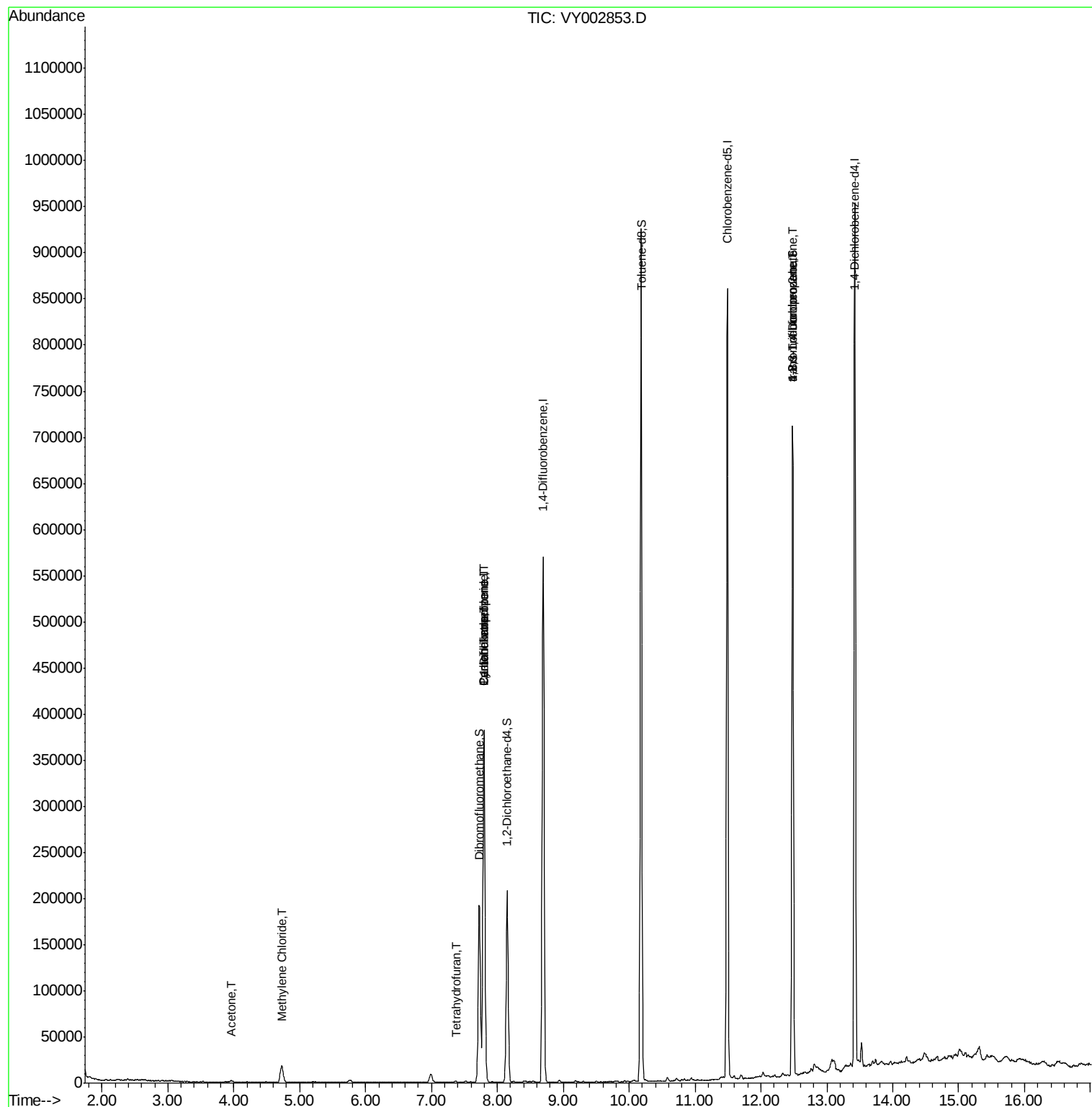
					Qvalue	
11) Tert butyl alcohol	4.95	59	149	Below Cal	#	74
16) Acetone	3.96	43	2948	4.549	ug/l #	80
18) Methyl Acetate	4.50	43	381	Below Cal	#	63
20) Methylene Chloride	4.72	84	15264	4.819	ug/l	98
29) Tetrahydrofuran	7.38	42	711	1.082	ug/l #	30
31) Cyclohexane	7.79	56	5259	1.122	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	20029	4.568	ug/l #	49
38) Carbon Tetrachloride	7.80	117	28545	5.861	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	102819	44.455	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	102819	83.753	ug/l #	17

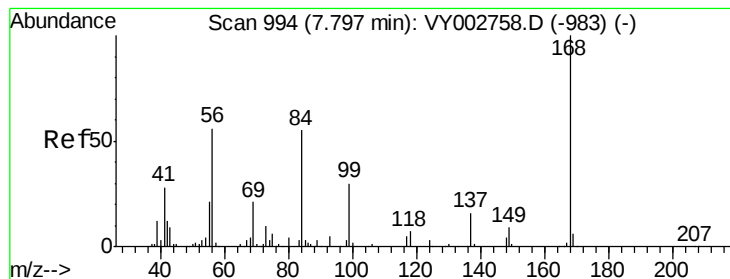
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 27 13:13:33 2020
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: VY002853.D

Acq: 05 Jun 2020 17:01

Instrument :

MSVOA_Y

ClientSampleId :

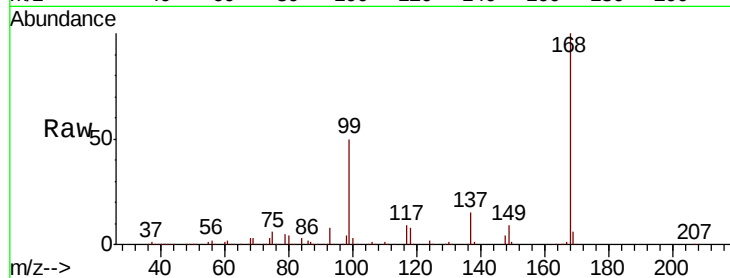
GEN

Tot Ion:168 Resp: 318332

Ion Ratio Lower Upper

168 100

99 50.0 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

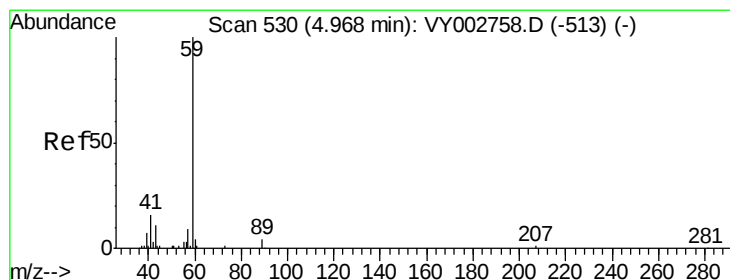
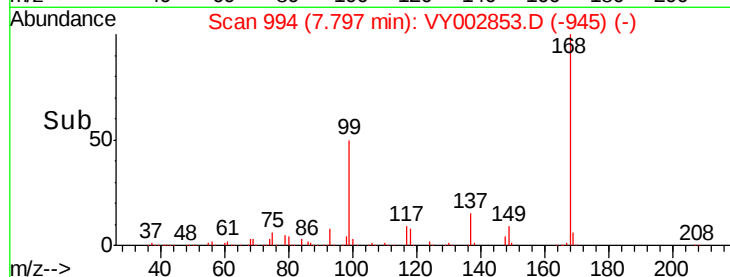
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.95 min Scan# 527

Delta R.T. -0.02 min

Lab File: VY002853.D

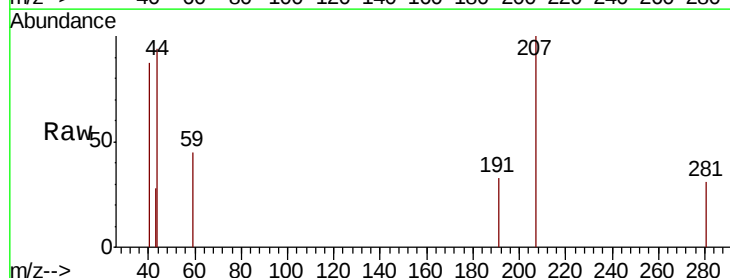
Acq: 05 Jun 2020 17:01

Tgt Ion: 59 Resp: 149

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002758.D (-513) (-)

Ion 57.00 (56.70 to 57.70): VY002758.D (-513) (-)

4.95

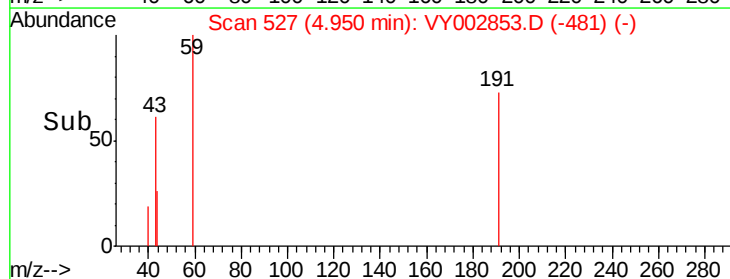
150

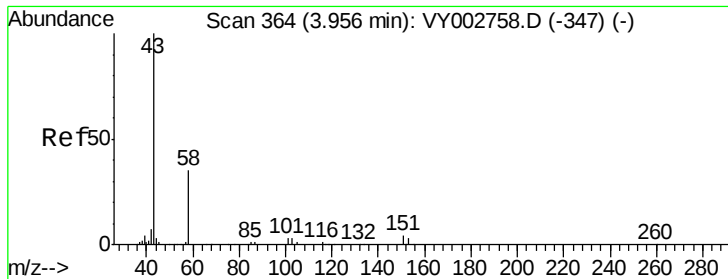
100

50

0

Time-->





#16

Acetone

Concen: 4.549 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY002853.D

Acq: 05 Jun 2020 17:01

Instrument :

MSVOA_Y

ClientSampled :

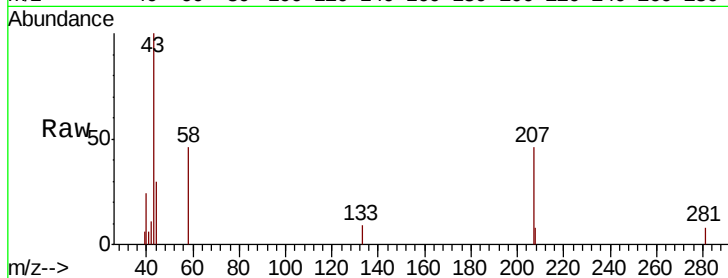
GEN

Tot Ion: 43 Resp: 2948

Ion Ratio Lower Upper

43 100

58 46.1 27.7 41.5#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

800

600

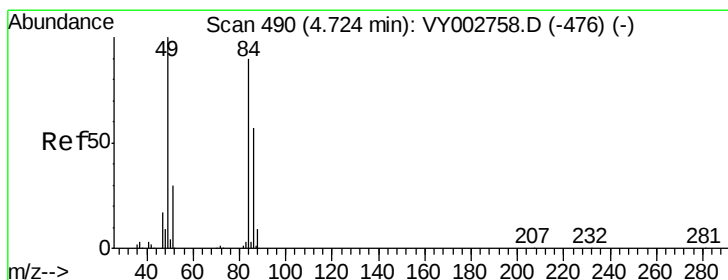
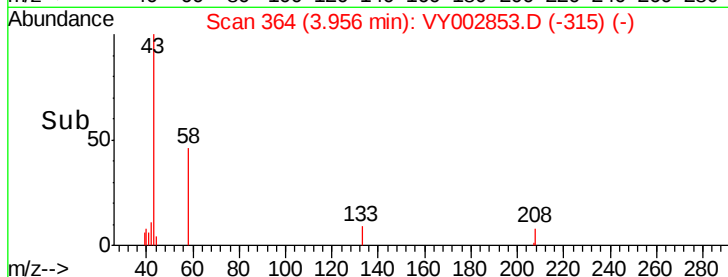
400

200

0

3.85 3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 4.819 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY002853.D

Acq: 05 Jun 2020 17:01

Tgt Ion: 84 Resp: 15264

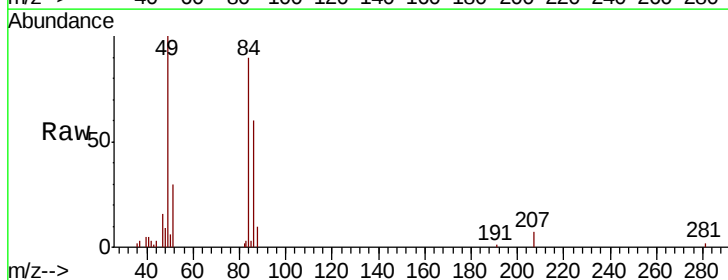
Ion Ratio Lower Upper

84 100

49 111.3 88.5 132.7

51 33.4 26.8 40.2

86 66.8 50.6 75.8



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

8000

6000

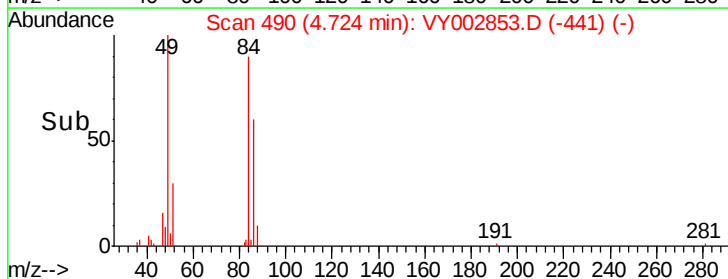
4000

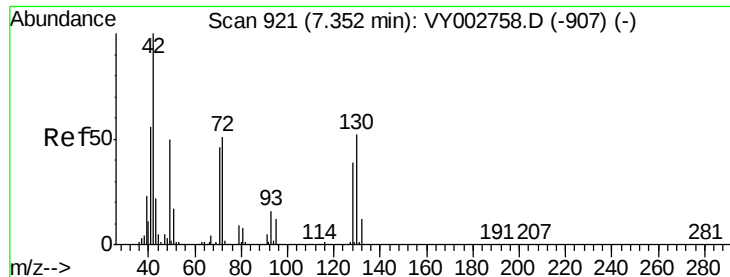
2000

0

4.60 4.70 4.80

Time-->





#29

Tetrahydrofuran

Concen: 1.082 ug/l

RT: 7.38 min Scan# 925

Delta R.T. 0.02 min

Lab File: VY002853.D

Acq: 05 Jun 2020 17:01

Instrument :

MSVOA_Y

ClientSampleId :

GEN

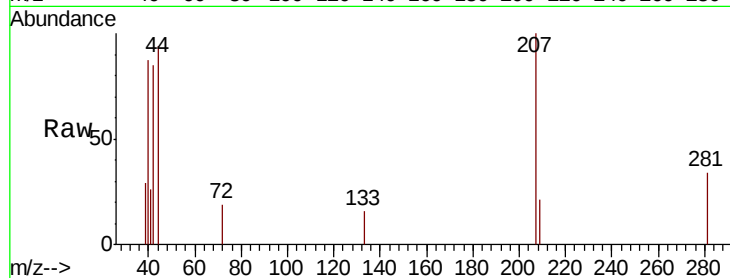
Tot Ion: 42 Resp: 711

Ion Ratio Lower Upper

42 100

72 0.0 38.6 58.0#

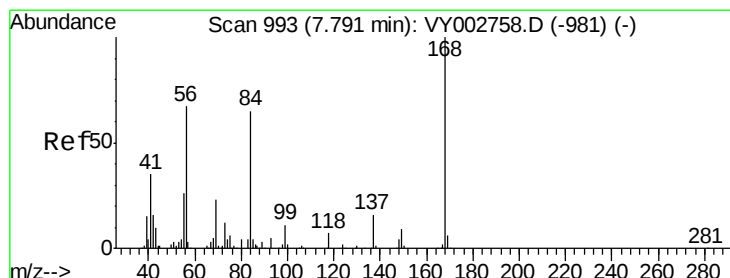
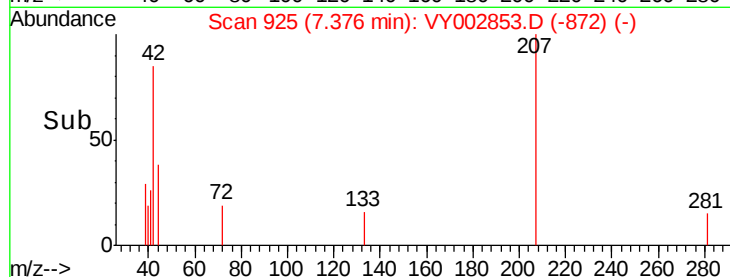
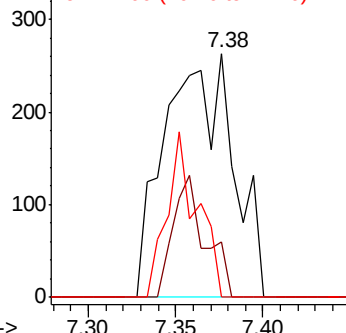
71 0.0 35.8 53.8#



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: 1.122 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY002853.D

Acq: 05 Jun 2020 17:01

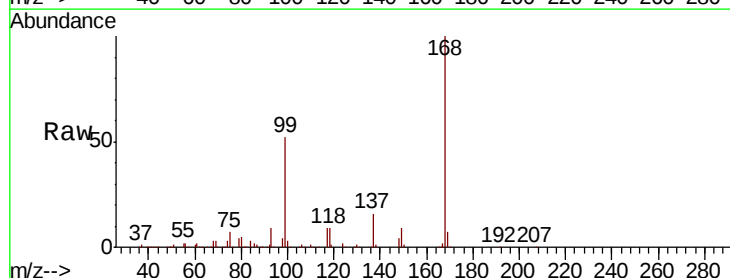
Tgt Ion: 56 Resp: 5259

Ion Ratio Lower Upper

56 100

69 185.4 28.0 42.0#

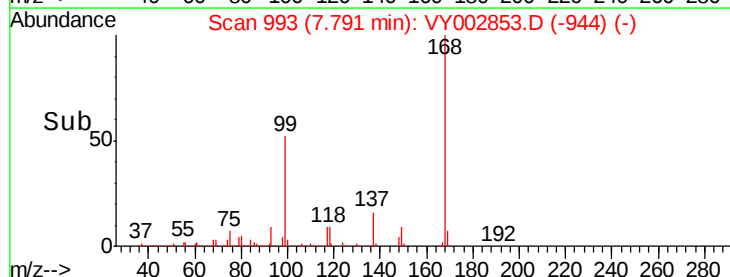
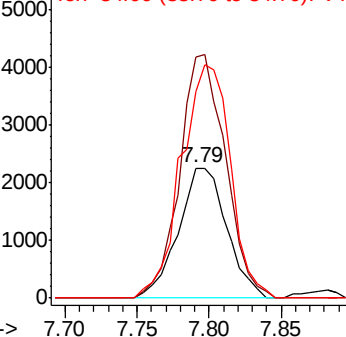
84 158.0 77.7 116.5#

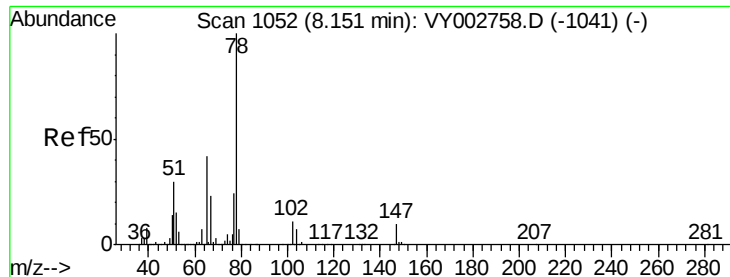


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

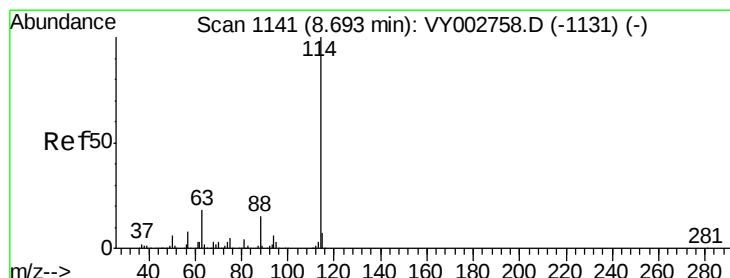
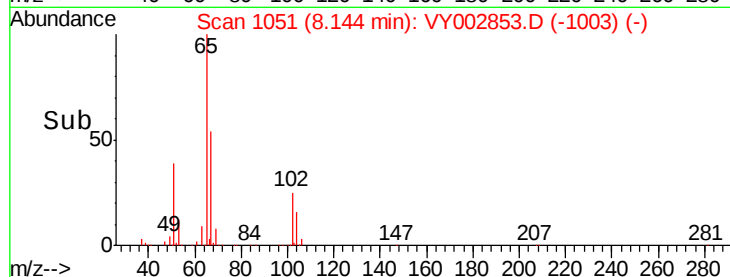
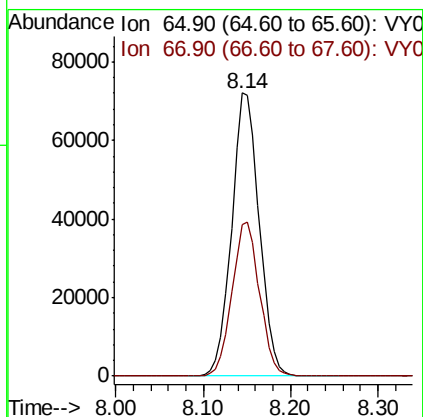
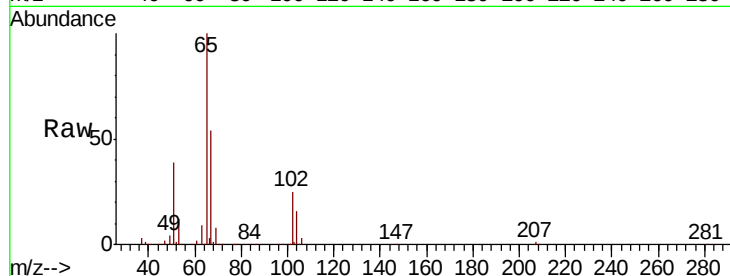




#33
 1,2-Dichloroethane-d4
 Concen: 57.300 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY002853.D
 Acq: 05 Jun 2020 17:01

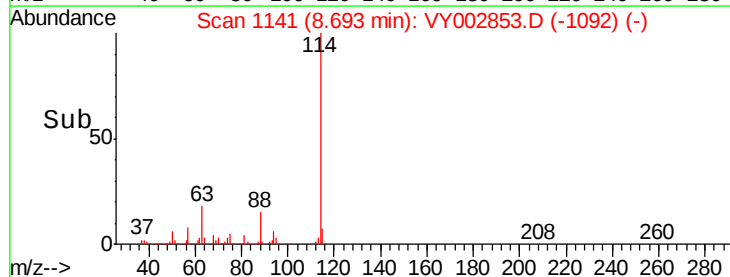
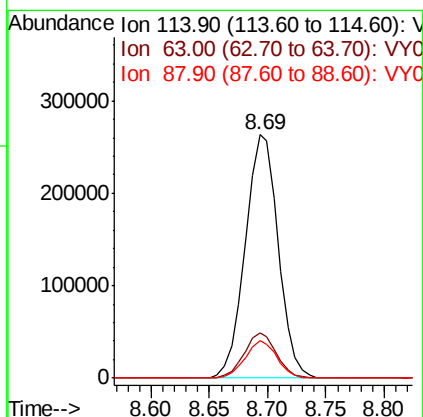
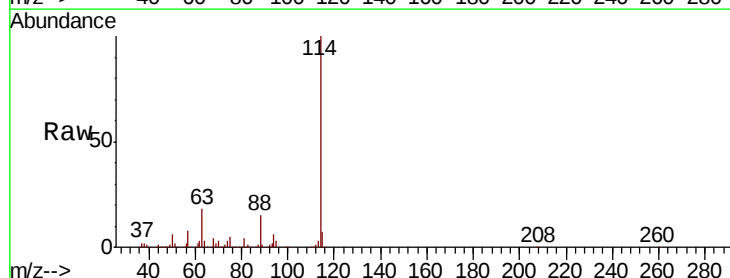
Instrument :
 MSVOA_Y
 ClientSampleId :
 GEN

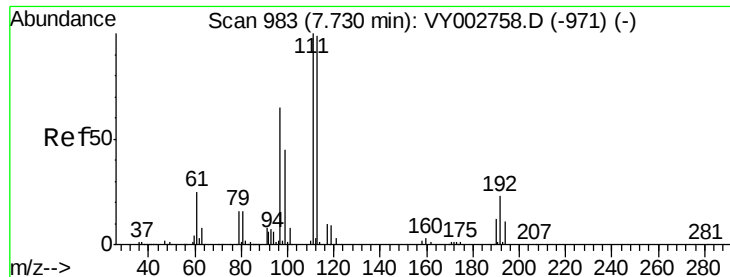
Tot Ion: 65 Resp: 158378
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002853.D
 Acq: 05 Jun 2020 17:01

Tgt Ion: 114 Resp: 520468
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 35.2
 88 15.2 0.0 29.2

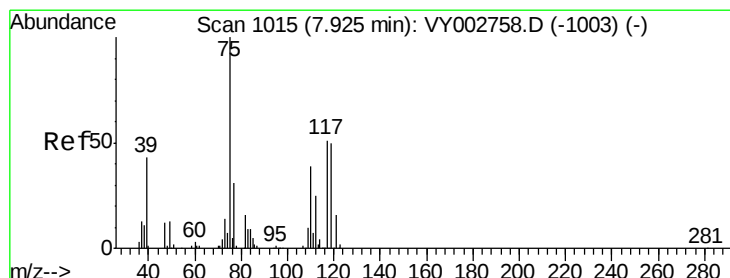
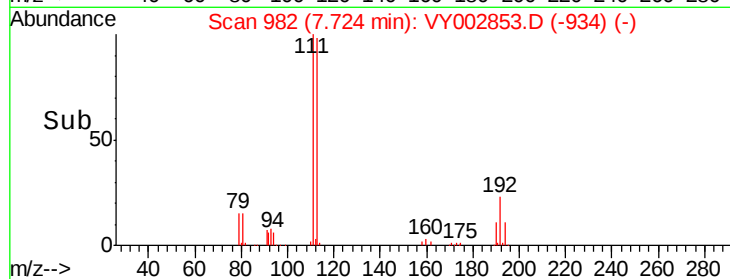
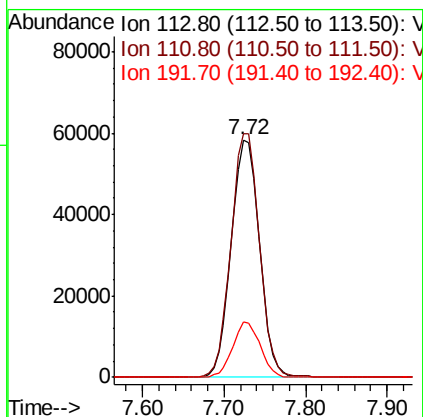
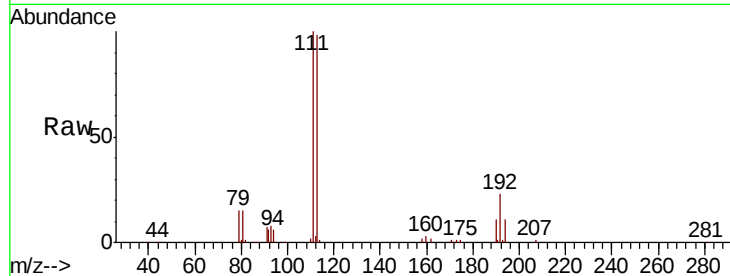




#35
 Dibromofluoromethane
 Concen: 45.773 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002853.D
 Acq: 05 Jun 2020 17:01

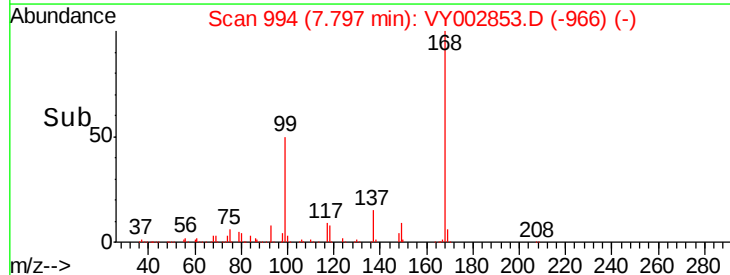
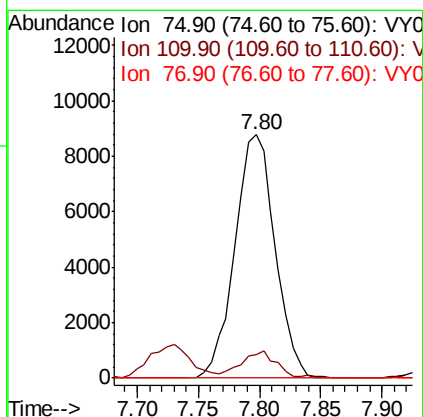
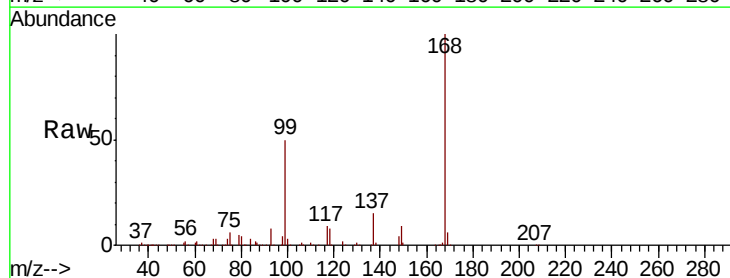
Instrument :
 MSVOA_Y
 ClientSampleId :
 GEN

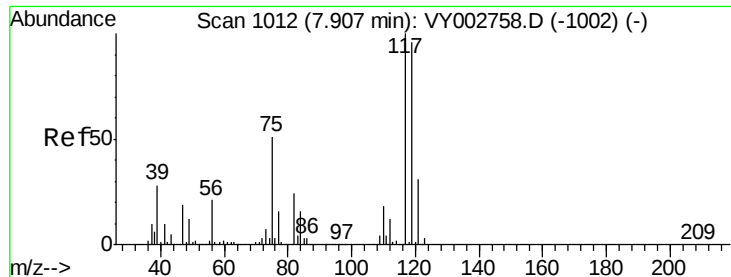
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.0	123.0
192	22.6	18.9	28.3



#36
 1,1-Dichloropropene
 Concen: 4.568 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002853.D
 Acq: 05 Jun 2020 17:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	19.3	57.9#
77	0.0	24.8	37.2#

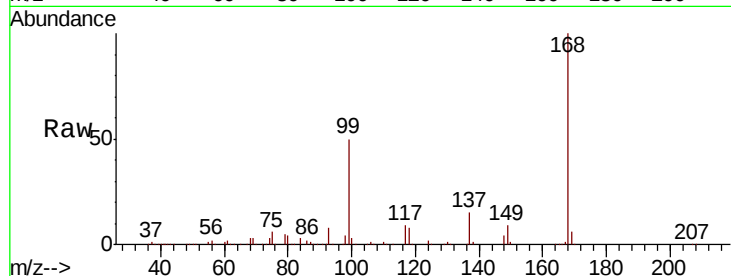




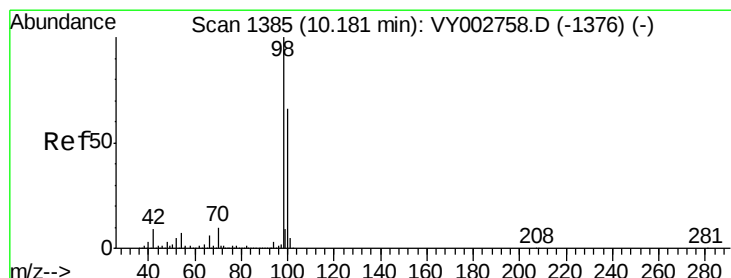
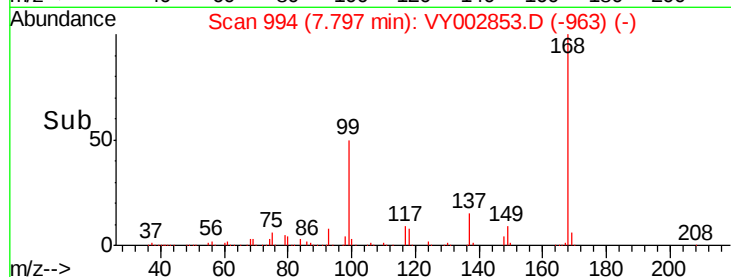
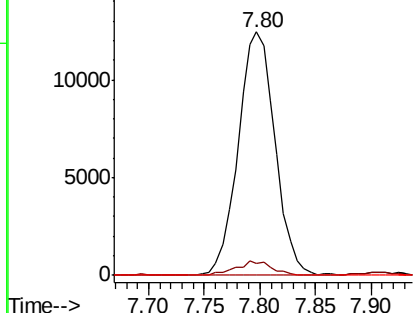
#38
Carbon Tetrachloride
Concen: 5.861 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY002853.D
Acq: 05 Jun 2020 17:01

Instrument :
MSVOA_Y
ClientSampleId :
GEN

Tot Ion:117 Resp: 28545
Ion Ratio Lower Upper
117 100
119 4.9 76.8 115.2#
121 0.0 24.8 37.2#

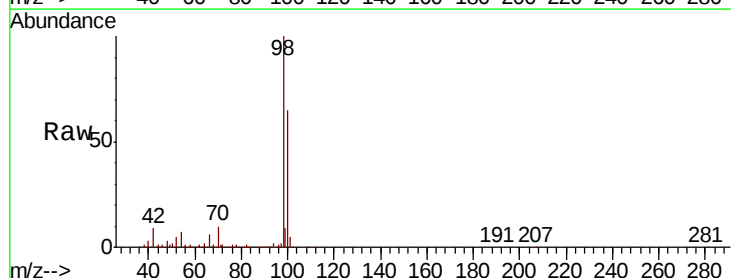


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

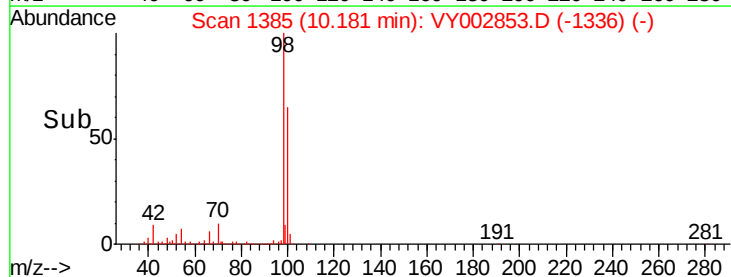
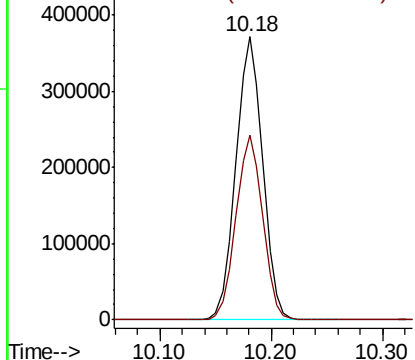


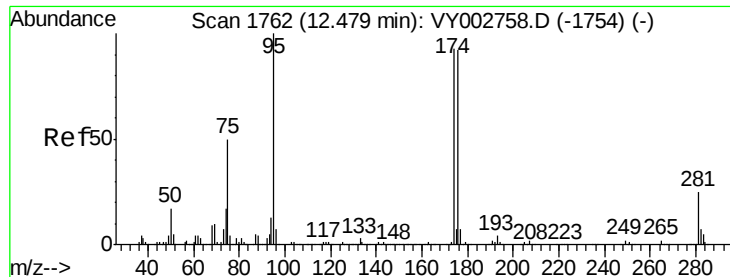
#50
Toluene-d8
Concen: 49.964 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002853.D
Acq: 05 Jun 2020 17:01

Tgt Ion: 98 Resp: 616189
Ion Ratio Lower Upper
98 100
100 65.2 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: 52.667 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002853.D

Acq: 05 Jun 2020 17:01

Instrument :

MSVOA_Y

ClientSampleId :

GEN

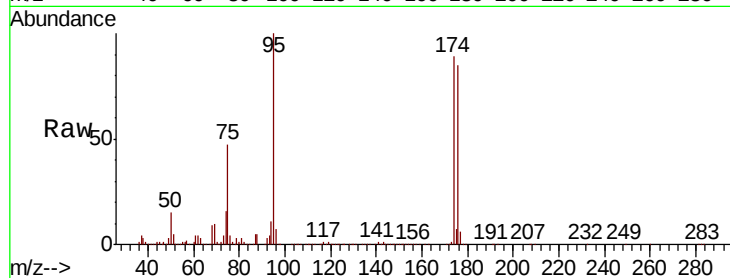
Tot Ion: 95 Resp: 221976

Ion Ratio Lower Upper

95 100

174 92.1 0.0 191.2

176 88.9 0.0 188.8



Abundance Ion 94.90 (94.60 to 95.60): VY002853.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY002853.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY002853.D (-1754) (-)

12.48

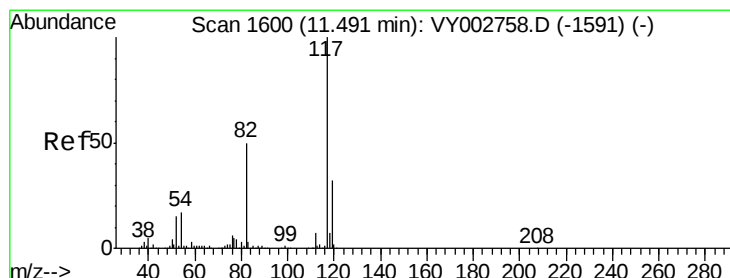
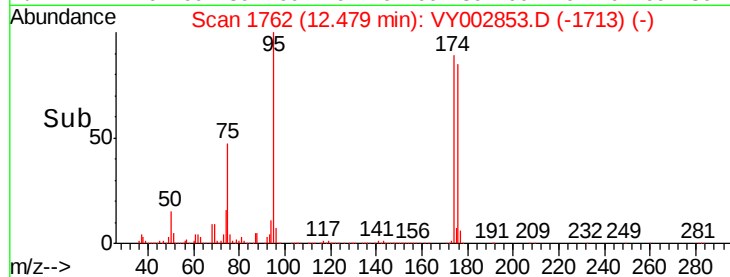
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY002853.D

Acq: 05 Jun 2020 17:01

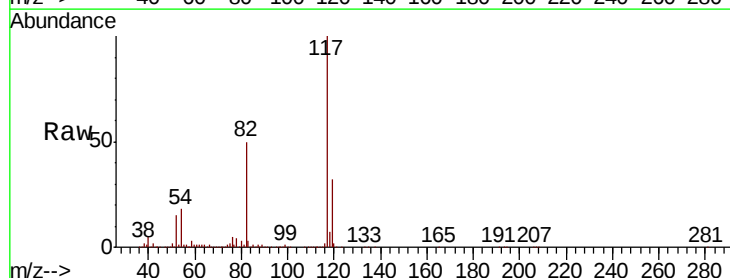
Tgt Ion: 117 Resp: 494324

Ion Ratio Lower Upper

117 100

82 49.7 40.2 60.4

119 32.2 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): VY002853.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY002853.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY002853.D (-1551) (-)

11.49

400000

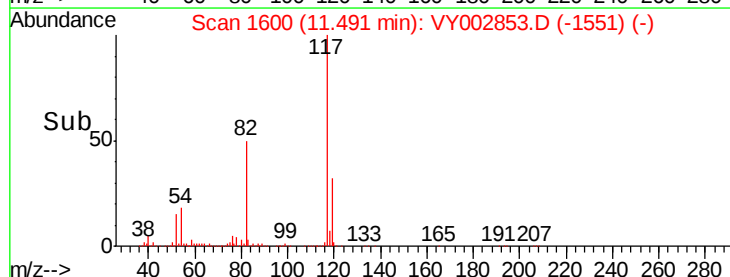
300000

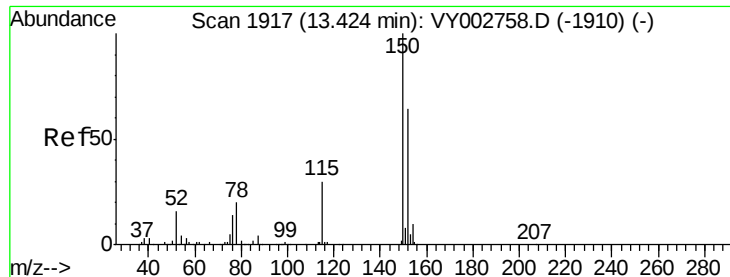
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY002853.D

Acq: 05 Jun 2020 17:01

Instrument :

MSVOA_Y

ClientSampleId :

GEN

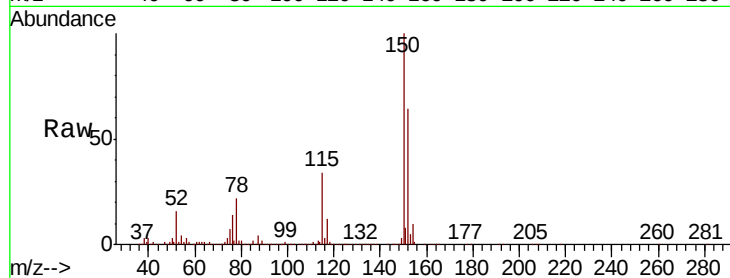
Tot Ion:152 Resp: 256683

Ion Ratio Lower Upper

152 100

115 54.4 27.0 81.0

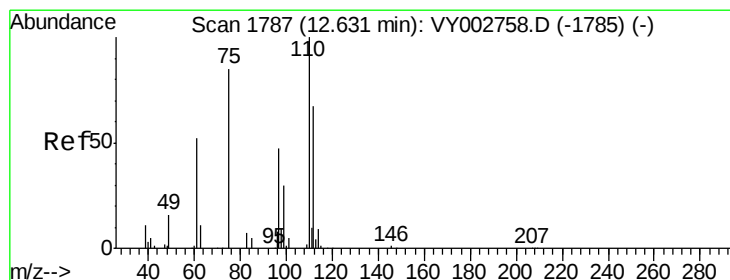
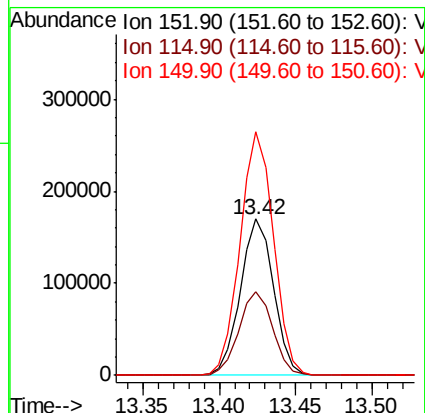
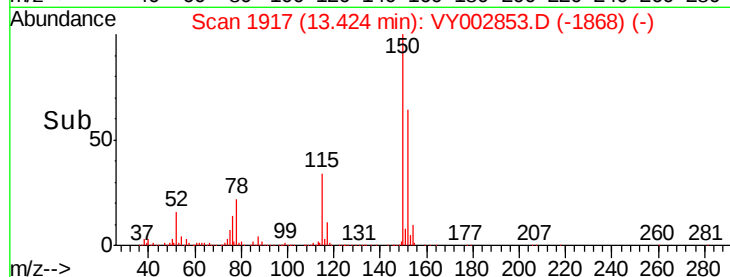
150 156.5 0.0 344.8



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: 44.455 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002853.D

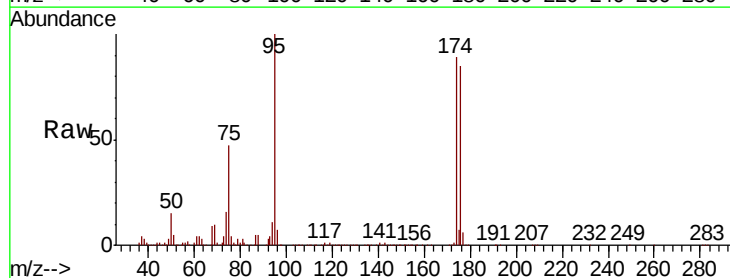
Acq: 05 Jun 2020 17:01

Tgt Ion: 75 Resp: 102819

Ion Ratio Lower Upper

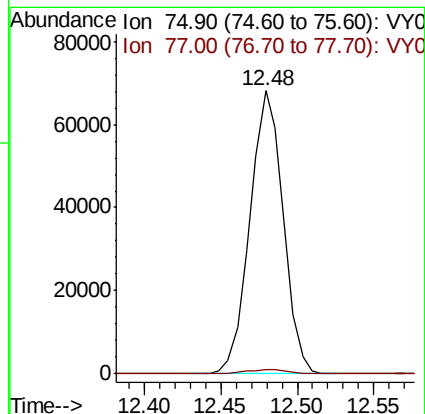
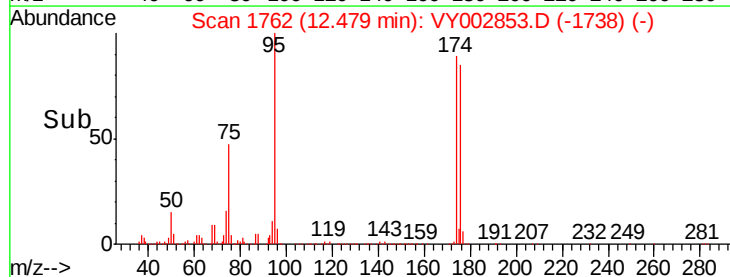
75 100

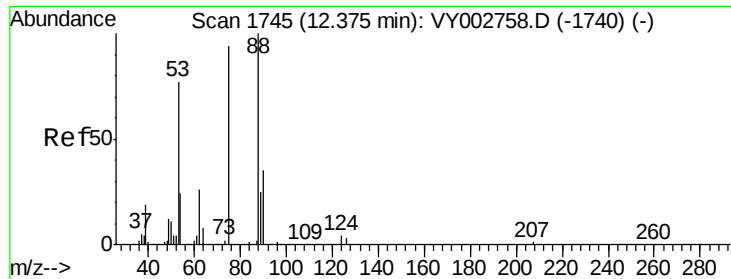
77 1.5 0.0 0.0#



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: 83.753 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002853.D

Acq: 05 Jun 2020 17:01

Instrument :

MSVOA_Y

ClientSampleId :

GEN

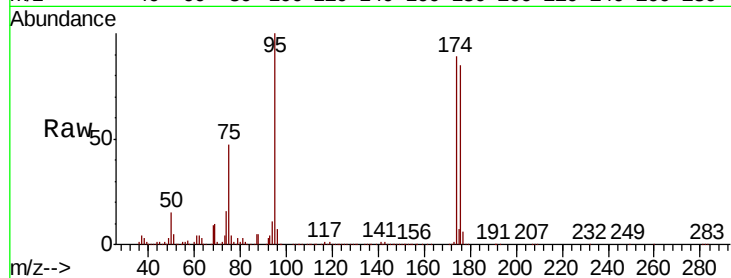
Tot Ion: 75 Resp: 102819

Ion Ratio Lower Upper

75 100

53 0.2 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

