

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
 Data File : VY002772.D
 Acq On : 27 May 2020 18:27
 Operator : SY/MD
 Sample : L2771-08
 Misc : 6.76G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ISLAND-BETWEEN-G-H-4

Quant Time: May 28 04:44:59 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	285873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	459725	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	425365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	212036	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	138698	55.88	ug/l	0.00
Spiked Amount			Recovery	=	111.76%	
35) Dibromofluoromethane	7.72	113	141387	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
50) Toluene-d8	10.18	98	540774	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.48	95	182711	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	

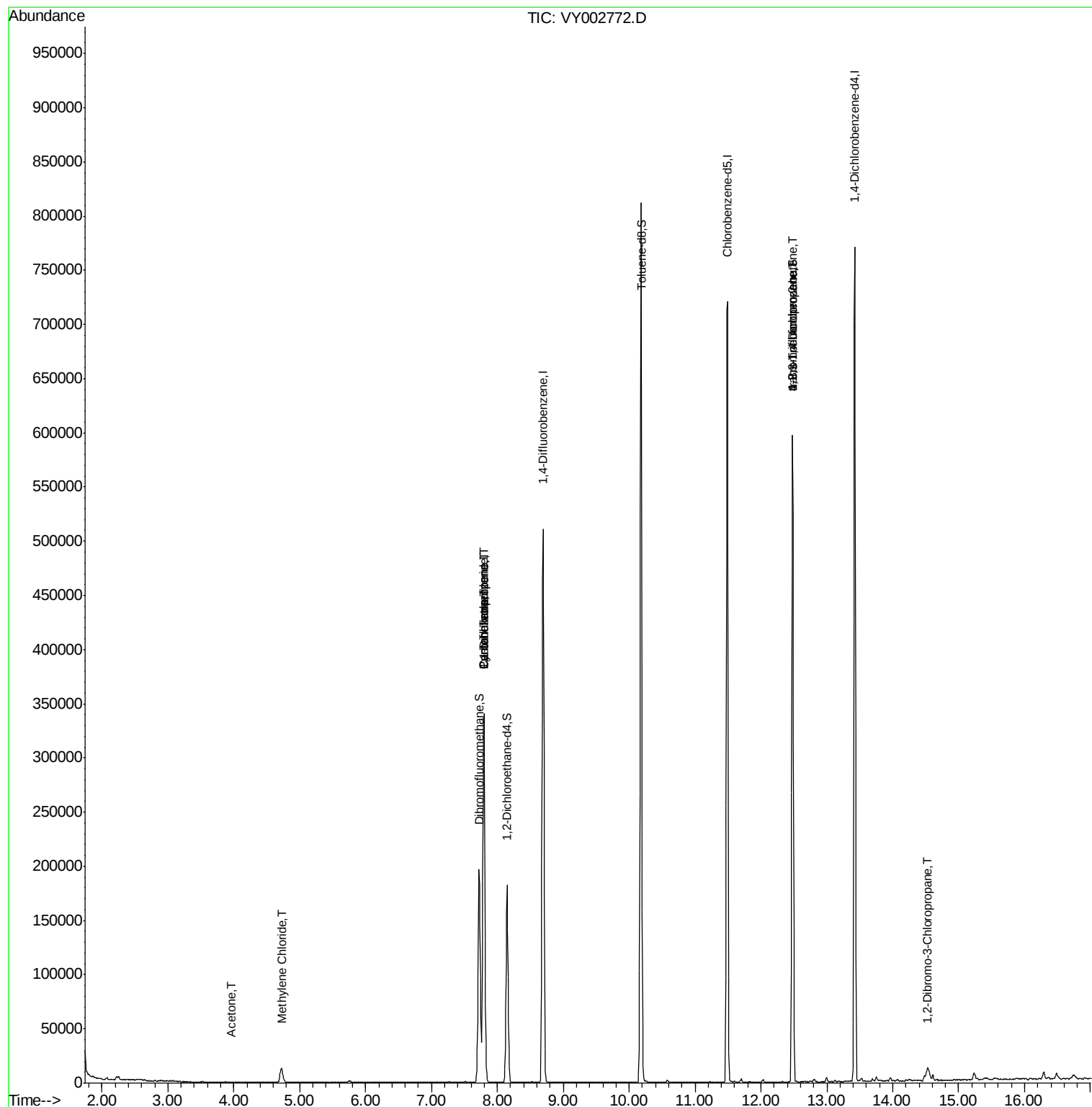
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.94	59	23	Below Cal	#	74
16) Acetone	3.96	43	594	1.021	ug/l	88
18) Methyl Acetate	4.49	43	408	Below Cal	#	48
20) Methylene Chloride	4.72	84	10380	3.649	ug/l	98
31) Cyclohexane	7.79	56	4275	1.015	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	17208	4.444	ug/l #	48
38) Carbon Tetrachloride	7.80	117	25848	6.008	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	87239	45.661	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	87239	86.025	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	14.53	75	859	1.873	ug/l #	12

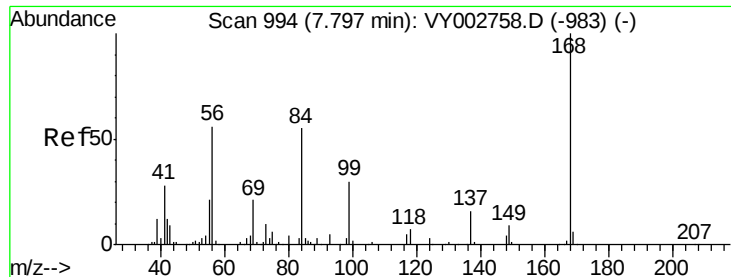
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
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Quant Time: May 28 04:44:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
Quant Title : SW846 8260
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: VY002772.D

Acq: 27 May 2020 18:27

Instrument :

MSVOA_Y

ClientSampleId :

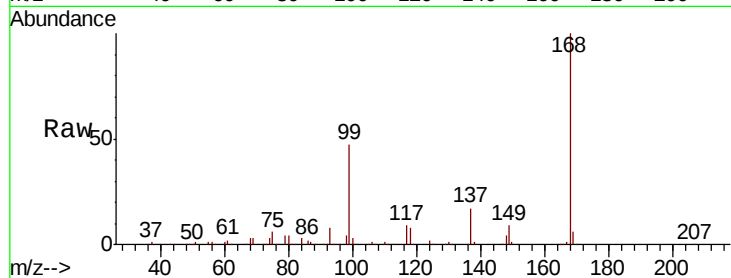
ISLAND-BETWEEN-G-H-4

Tot Ion:168 Resp: 285873

Ion Ratio Lower Upper

168 100

99 47.2 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002772.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002772.D (-945) (-)

7.80

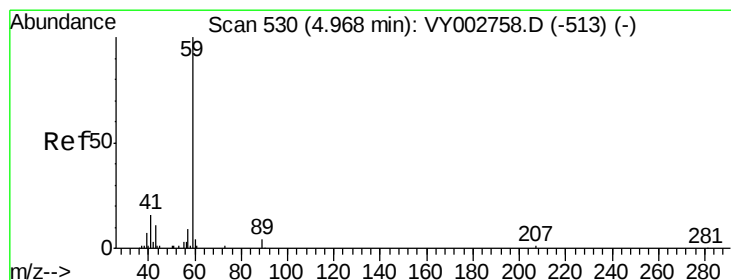
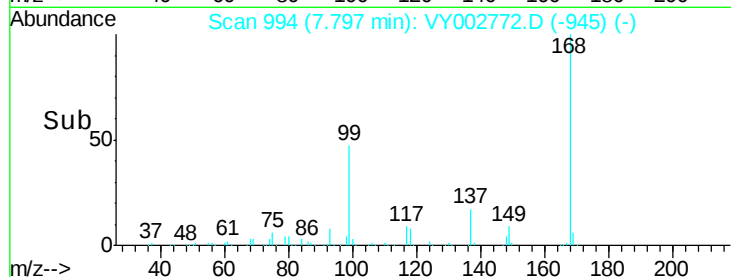
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.94 min Scan# 525

Delta R.T. -0.03 min

Lab File: VY002772.D

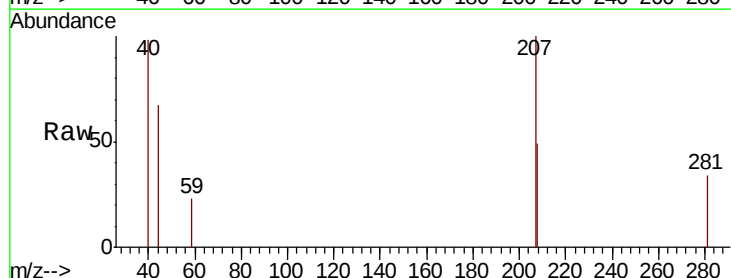
Acq: 27 May 2020 18:27

Tgt Ion: 59 Resp: 23

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002772.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY002772.D (-481) (-)

4.94

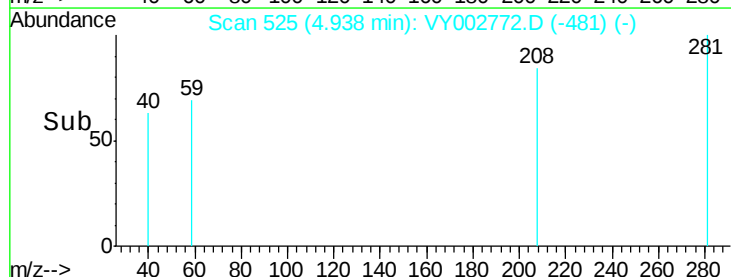
60

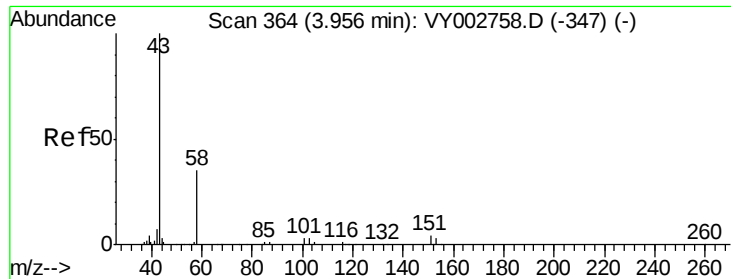
40

20

0

Time-->





#16

Acetone

Concen: 1.021 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY002772.D

Acq: 27 May 2020 18:27

Instrument :

MSVOA_Y

ClientSampleId :

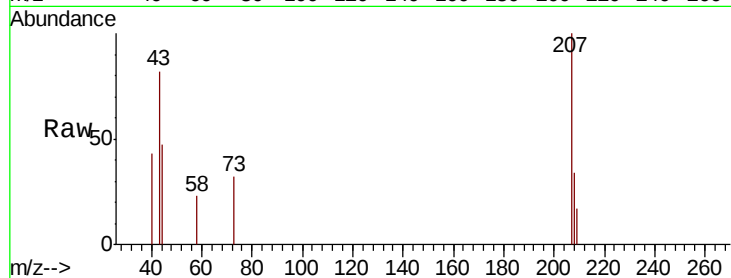
ISLAND-BETWEEN-G-H-4

Tot Ion: 43 Resp: 594

Ion Ratio Lower Upper

43 100

58 27.9 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

250

200

150

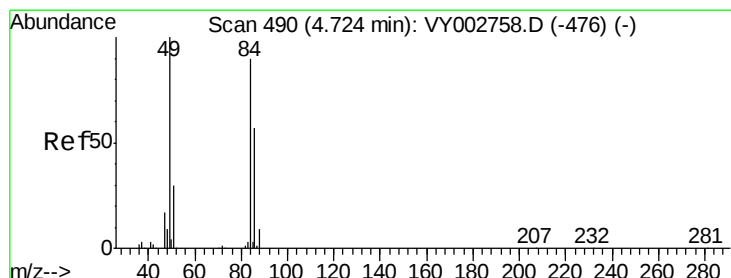
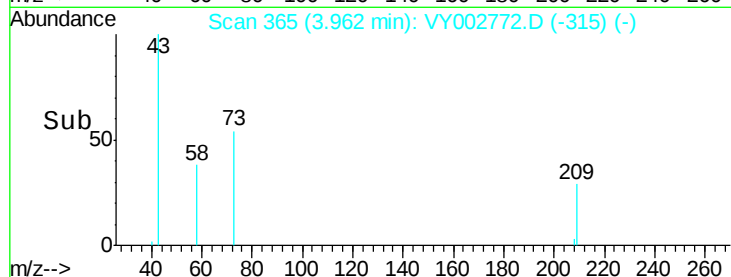
100

50

0

3.90 3.95 4.00

Time-->



#20

Methylene Chloride

Concen: 3.649 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY002772.D

Acq: 27 May 2020 18:27

Tgt Ion: 84 Resp: 10380

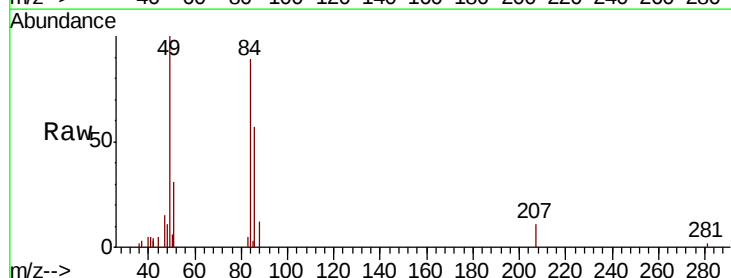
Ion Ratio Lower Upper

84 100

49 113.0 88.5 132.7

51 35.6 26.8 40.2

86 64.4 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

6000

5000

4000

3000

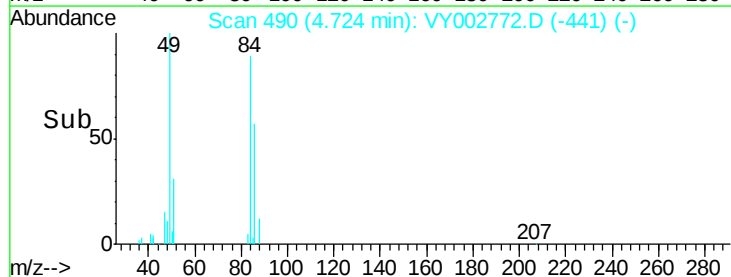
2000

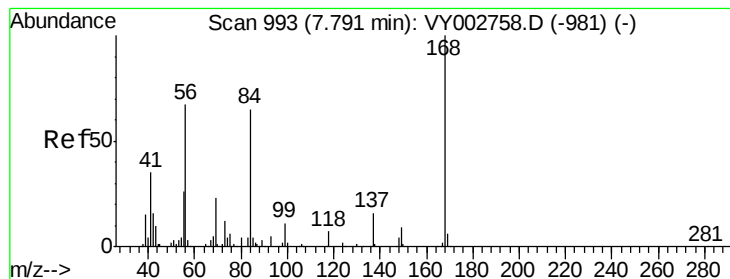
1000

0

4.60 4.70 4.80

Time-->





#31

Cyclohexane

Concen: 1.015 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY002772.D

Acq: 27 May 2020 18:27

Instrument :

MSVOA_Y

ClientSampleId :

ISLAND-BETWEEN-G-H-4

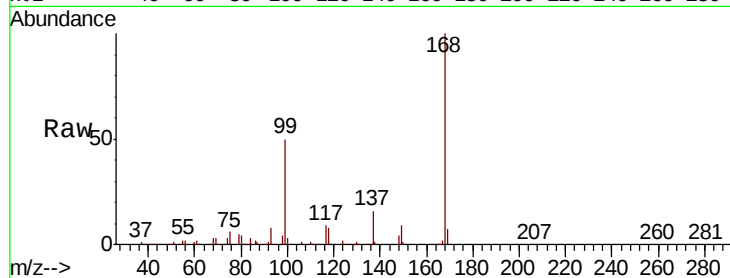
Tot Ion: 56 Resp: 4275

Ion Ratio Lower Upper

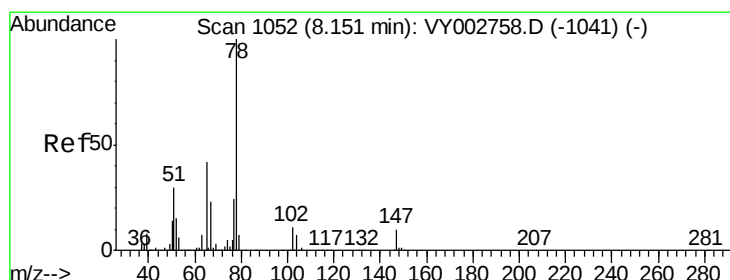
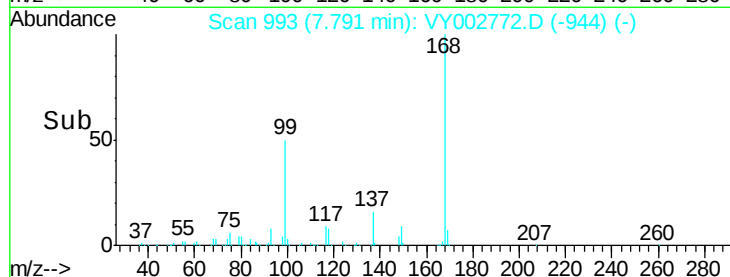
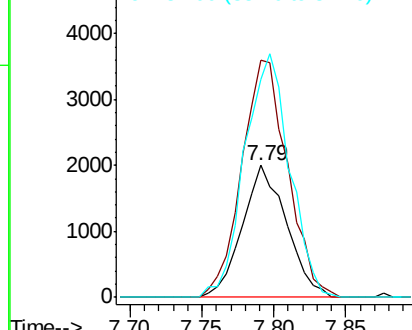
56 100

69 179.8 28.0 42.0#

84 165.2 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: 55.878 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY002772.D

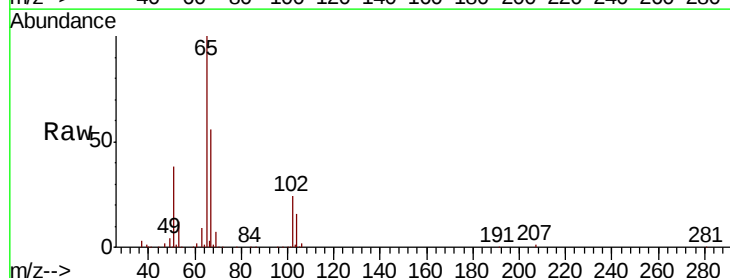
Acq: 27 May 2020 18:27

Tgt Ion: 65 Resp: 138698

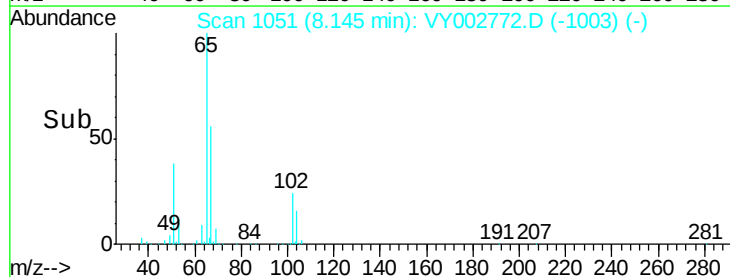
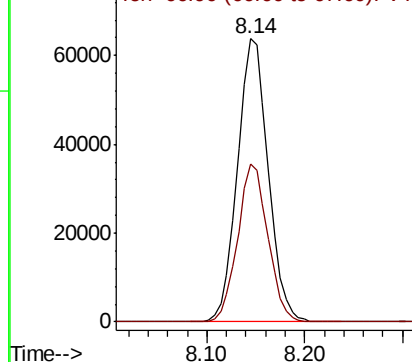
Ion Ratio Lower Upper

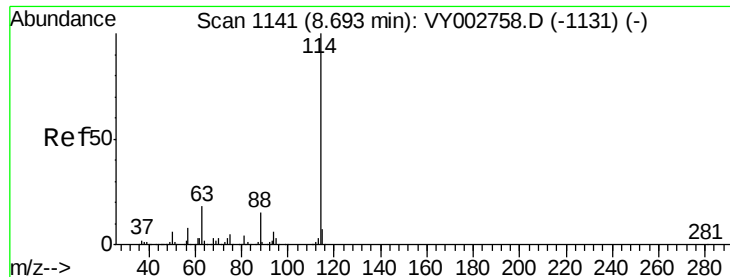
65 100

67 54.8 0.0 111.0



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

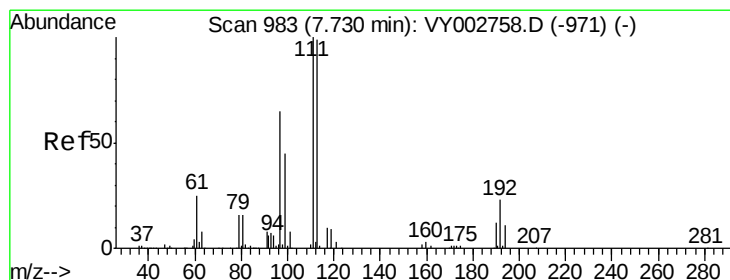
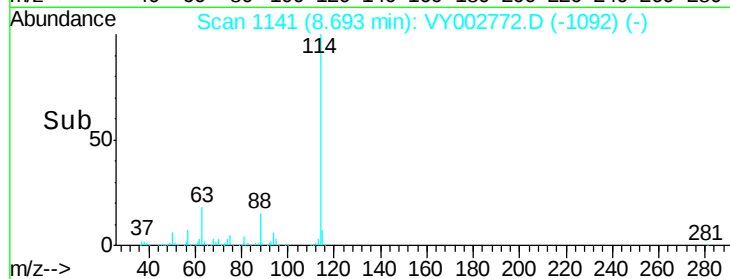
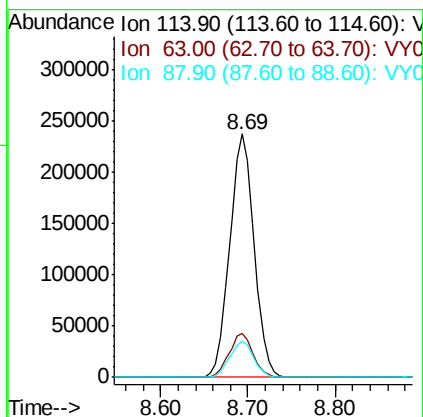
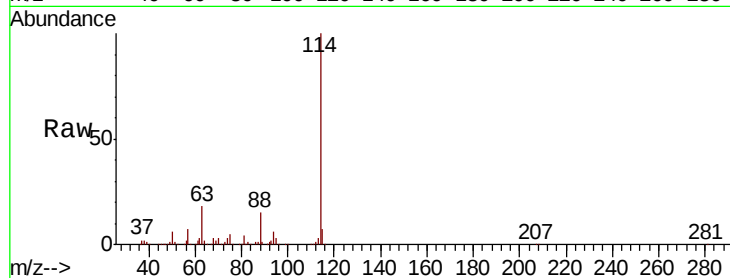




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002772.D
 Acq: 27 May 2020 18:27

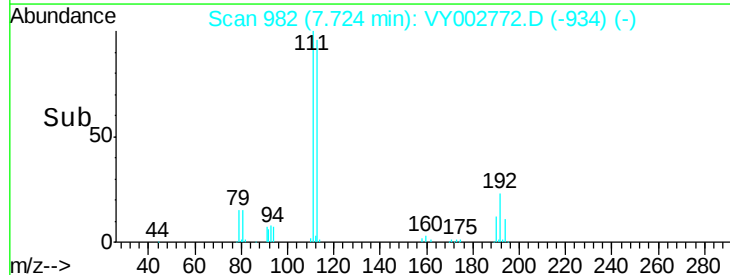
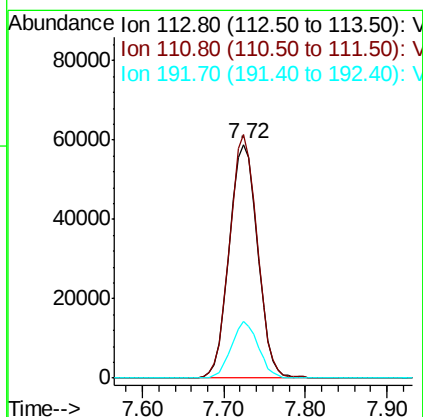
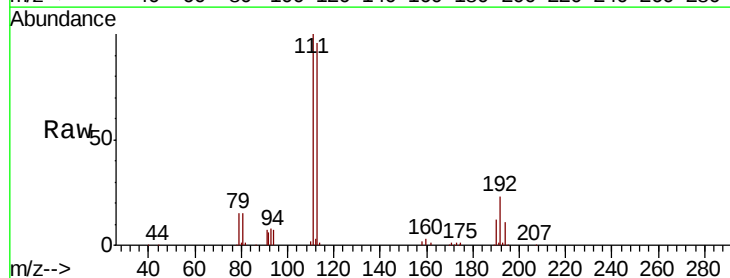
Instrument :
 MSVOA_Y
 ClientSampleId :
 ISLAND-BETWEEN-G-H-4

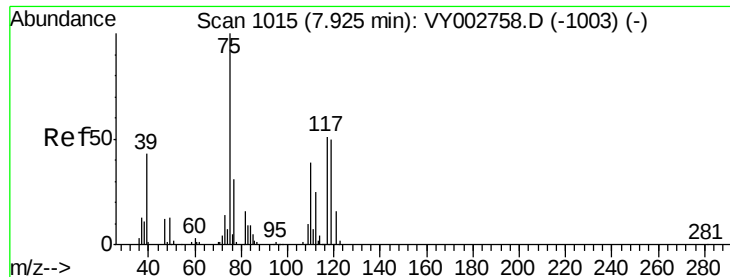
Tot Ion:114	Resp:	459725
Ion	Ratio	Lower Upper
114	100	
63	17.9	0.0 35.2
88	15.2	0.0 29.2



#35
 Dibromofluoromethane
 Concen: 52.478 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002772.D
 Acq: 27 May 2020 18:27

Tgt Ion:113	Resp:	141387
Ion	Ratio	Lower Upper
113	100	
111	101.4	82.0 123.0
192	23.0	18.9 28.3

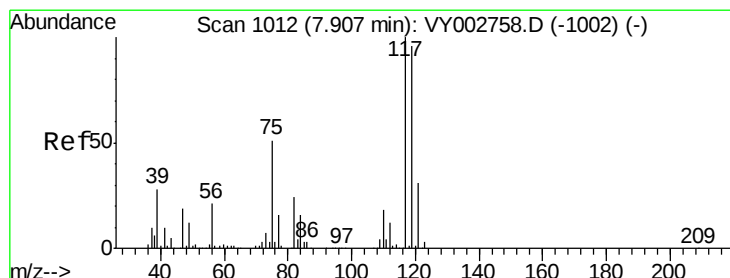
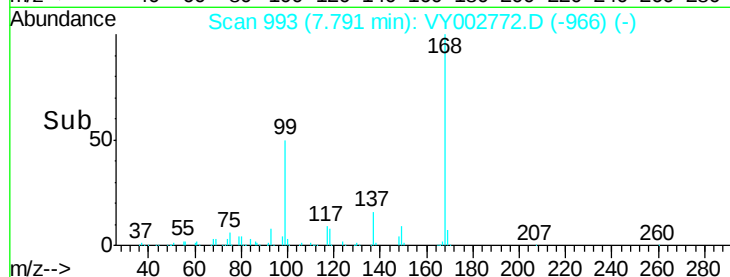
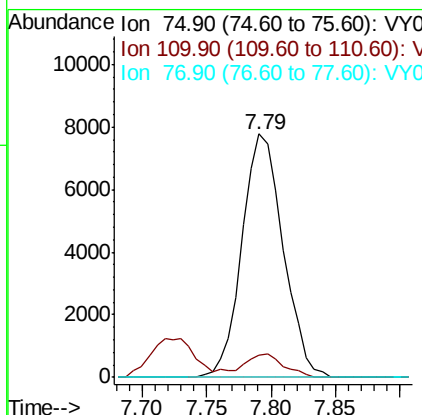
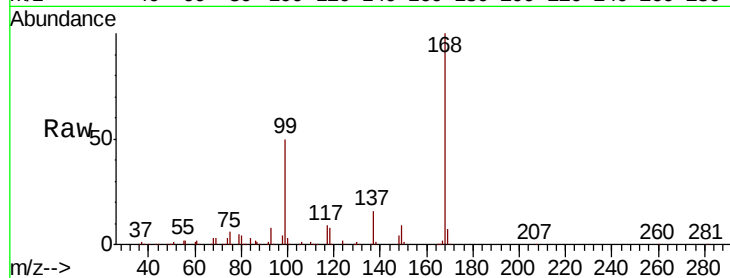




#36
 1,1-Dichloropropene
 Concen: 4.444 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY002772.D
 Acq: 27 May 2020 18:27

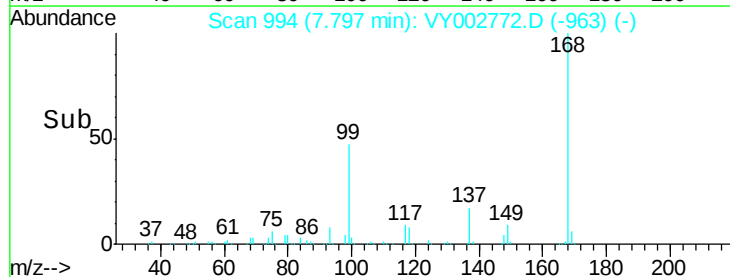
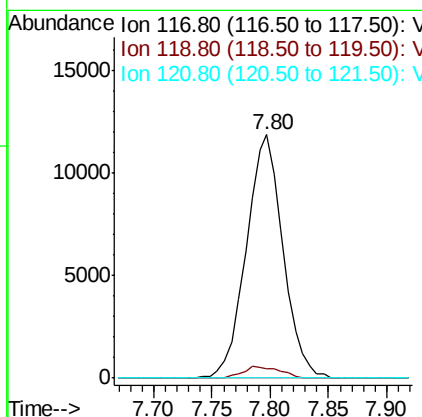
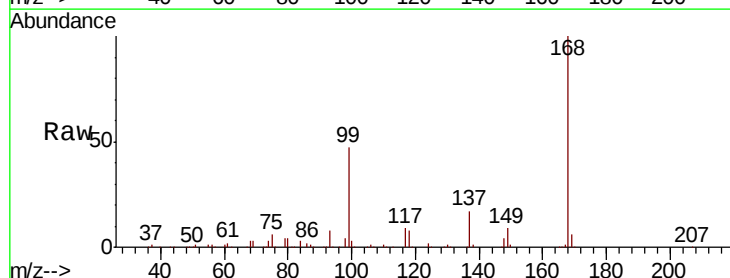
Instrument :
 MSVOA_Y
 ClientSampleId :
 ISLAND-BETWEEN-G-H-4

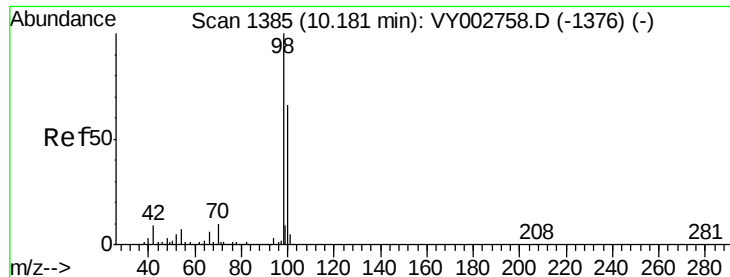
Tot Ion	75	Resp	17208
Ion Ratio	100	Lower	Upper
75	100		
110	8.9	19.3	57.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.008 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY002772.D
 Acq: 27 May 2020 18:27

Tgt Ion	117	Resp	25848
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	3.8	76.8	115.2#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 49.642 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002772.D

Acq: 27 May 2020 18:27

Instrument :

MSVOA_Y

ClientSampleId :

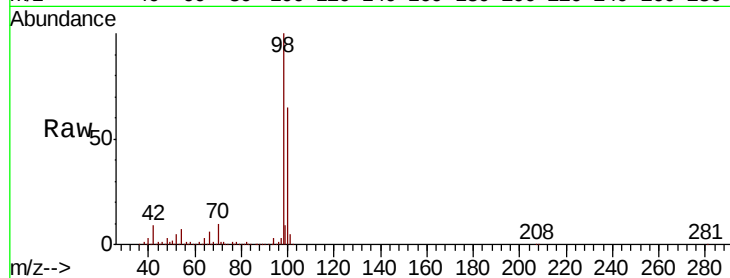
ISLAND-BETWEEN-G-H-4

Tot Ion: 98 Resp: 540774

Ion Ratio Lower Upper

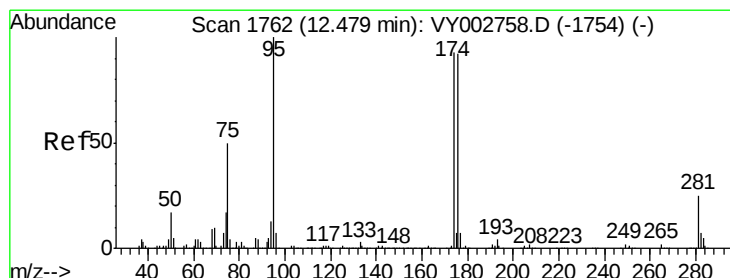
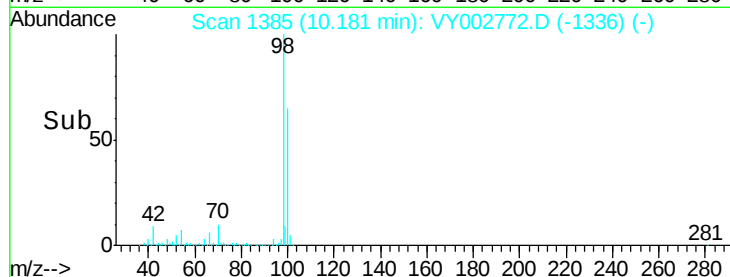
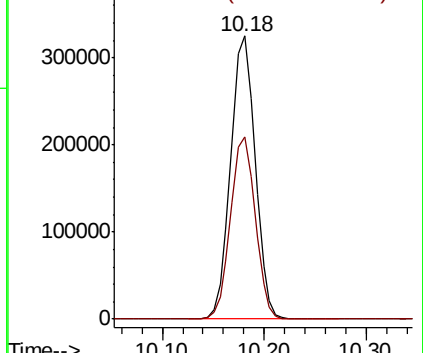
98 100

100 64.9 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: 49.078 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002772.D

Acq: 27 May 2020 18:27

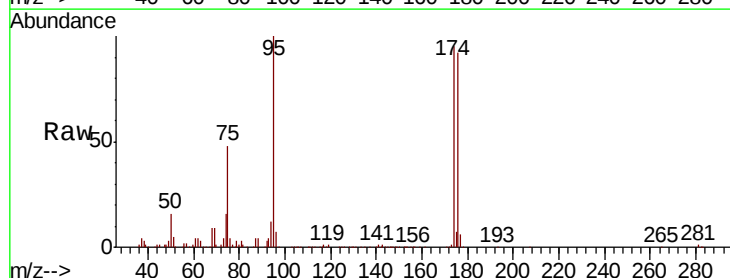
Tgt Ion: 95 Resp: 182711

Ion Ratio Lower Upper

95 100

174 94.6 0.0 191.2

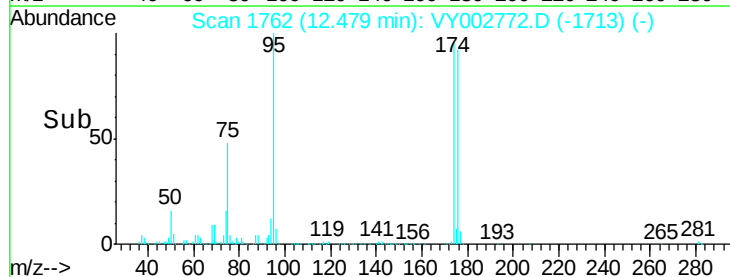
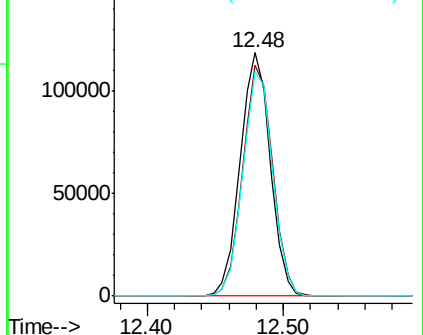
176 91.8 0.0 188.8

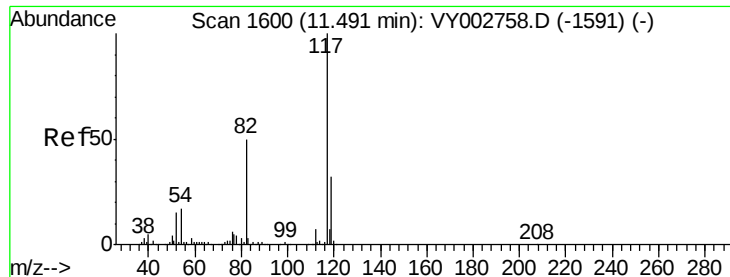


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

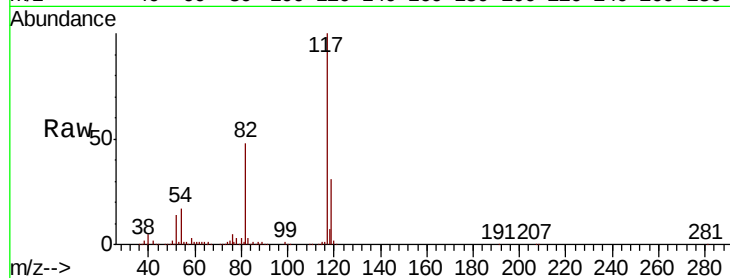




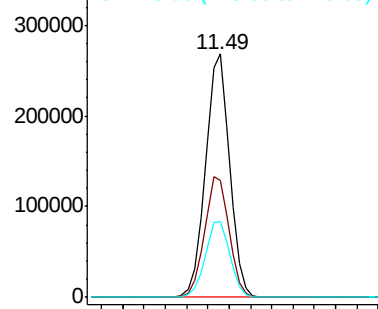
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002772.D
Acq: 27 May 2020 18:27

Instrument :
MSVOA_Y
ClientSampleId :
ISLAND-BETWEEN-G-H-4

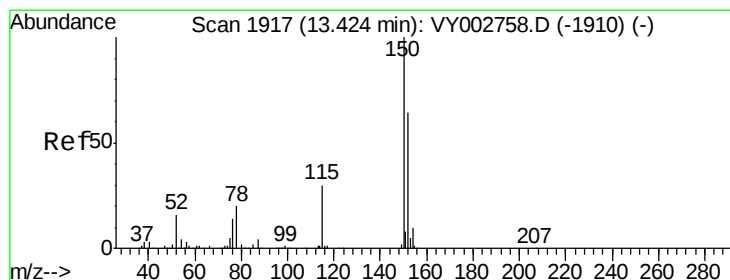
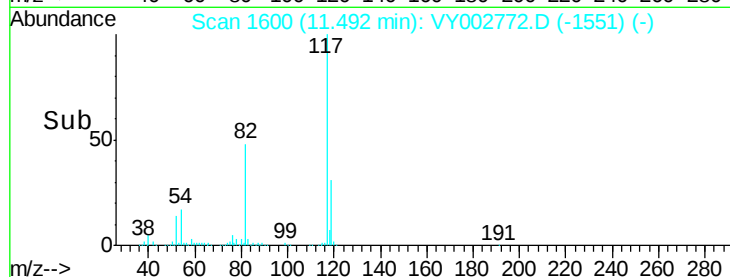
Tot Ion	Ratio	Lower	Upper
117	100		
82	47.8	40.2	60.4
119	31.3	25.8	38.8



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

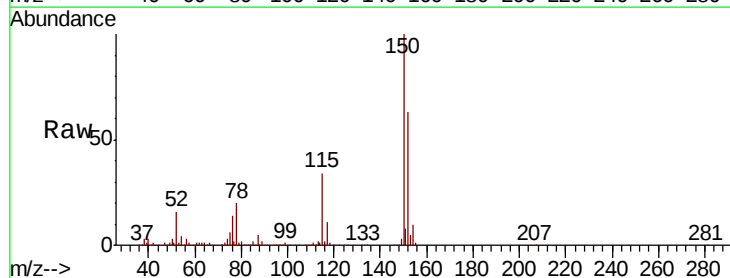


Time--> 11.40 11.50 11.60

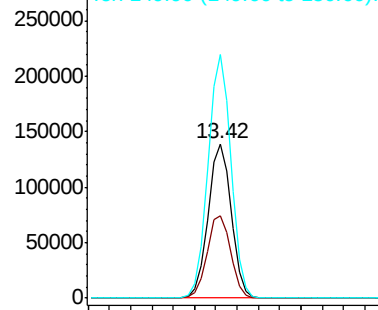


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002772.D
Acq: 27 May 2020 18:27

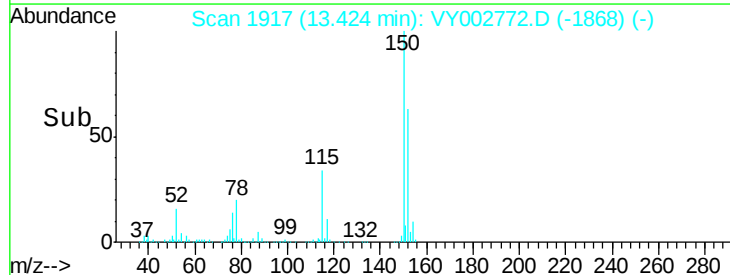
Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.0	81.0
150	156.9	0.0	344.8

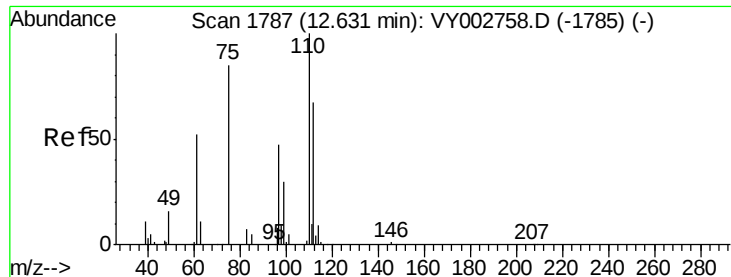


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



Time--> 13.30 13.40 13.50





#76

1,2,3-Trichloropropane

Concen: 45.661 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002772.D

Acq: 27 May 2020 18:27

Instrument :

MSVOA_Y

ClientSampleId :

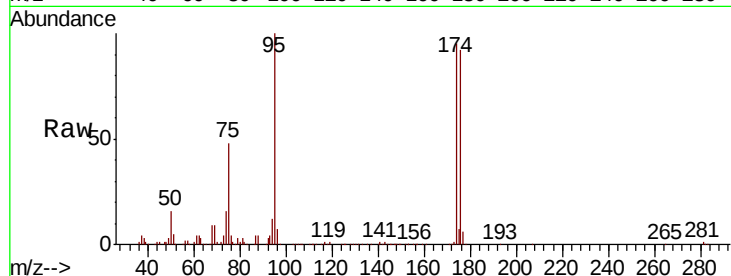
ISLAND-BETWEEN-G-H-4

Tot Ion: 75 Resp: 87239

Ion Ratio Lower Upper

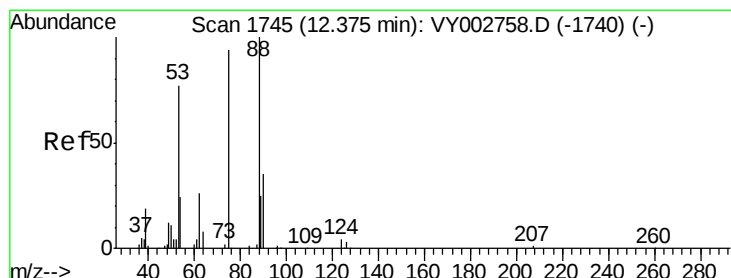
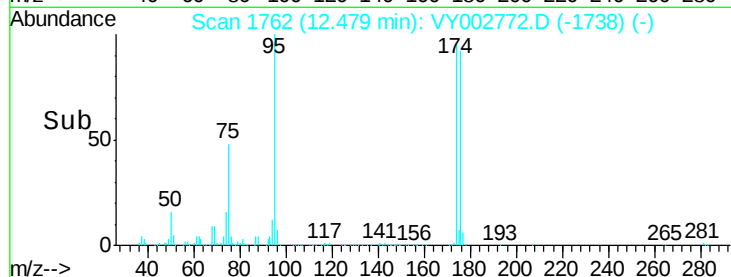
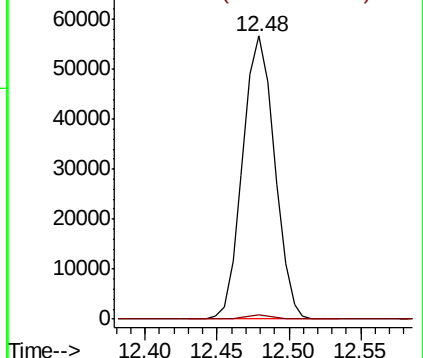
75 100

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: 86.025 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002772.D

Acq: 27 May 2020 18:27

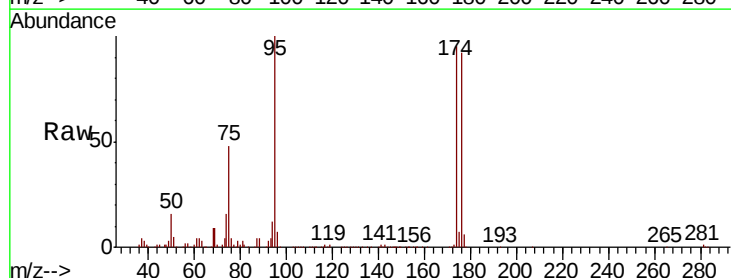
Tgt Ion: 75 Resp: 87239

Ion Ratio Lower Upper

75 100

53 0.0 64.0 96.0#

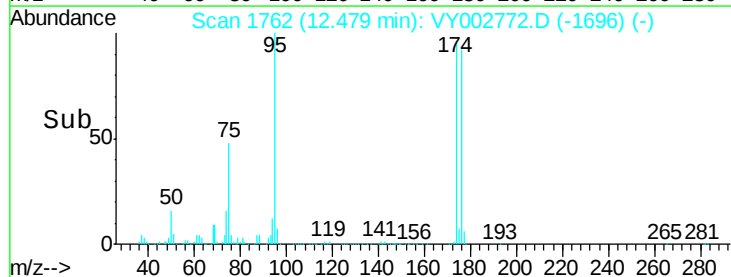
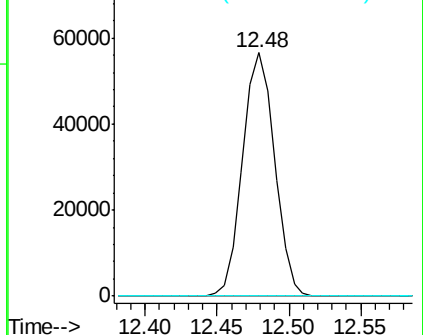
89 0.1 37.4 56.2#

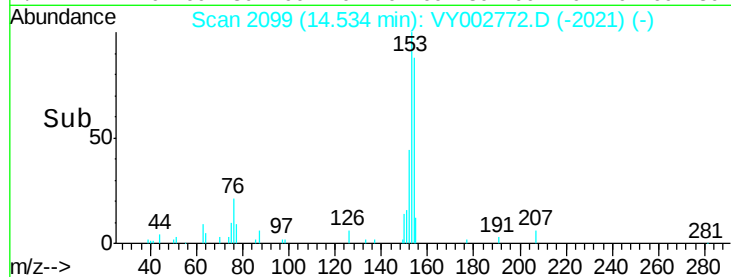
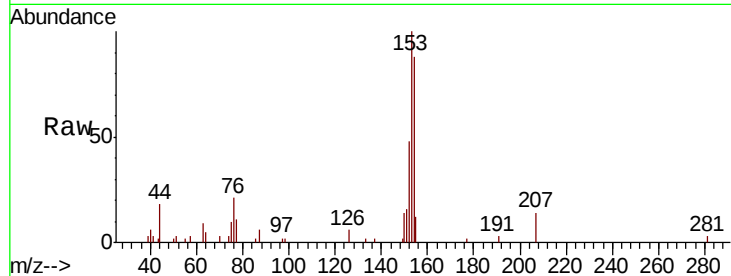
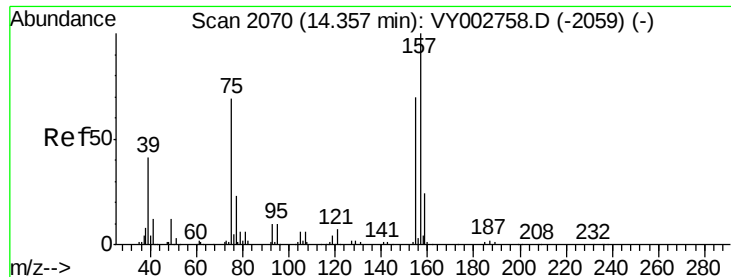


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.873 ug/l

RT: 14.53 min Scan# 2099

Delta R.T. 0.18 min

Lab File: VY002772.D

Acq: 27 May 2020 18:27

Instrument :

MSVOA_Y

ClientSampleId :

ISLAND-BETWEEN-G-H-4

Tot Ion: 75 Resp: 859

Ion Ratio Lower Upper

75 100

155 162.9 53.5 160.5#

157 0.0 69.9 209.7#

