

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
 Data File : VY002769.D
 Acq On : 27 May 2020 17:15
 Operator : SY/MD
 Sample : L2771-02
 Misc : 7.95G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ISLAND-BETWEEN-G-H-1

Quant Time: May 28 04:44:29 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	291510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	469500	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	430924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	216862	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	141766	56.01	ug/l	0.00
Spiked Amount			Recovery	=	112.02%	
35) Dibromofluoromethane	7.72	113	143035	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	
50) Toluene-d8	10.18	98	547630	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
62) 4-Bromofluorobenzene	12.48	95	185420	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	

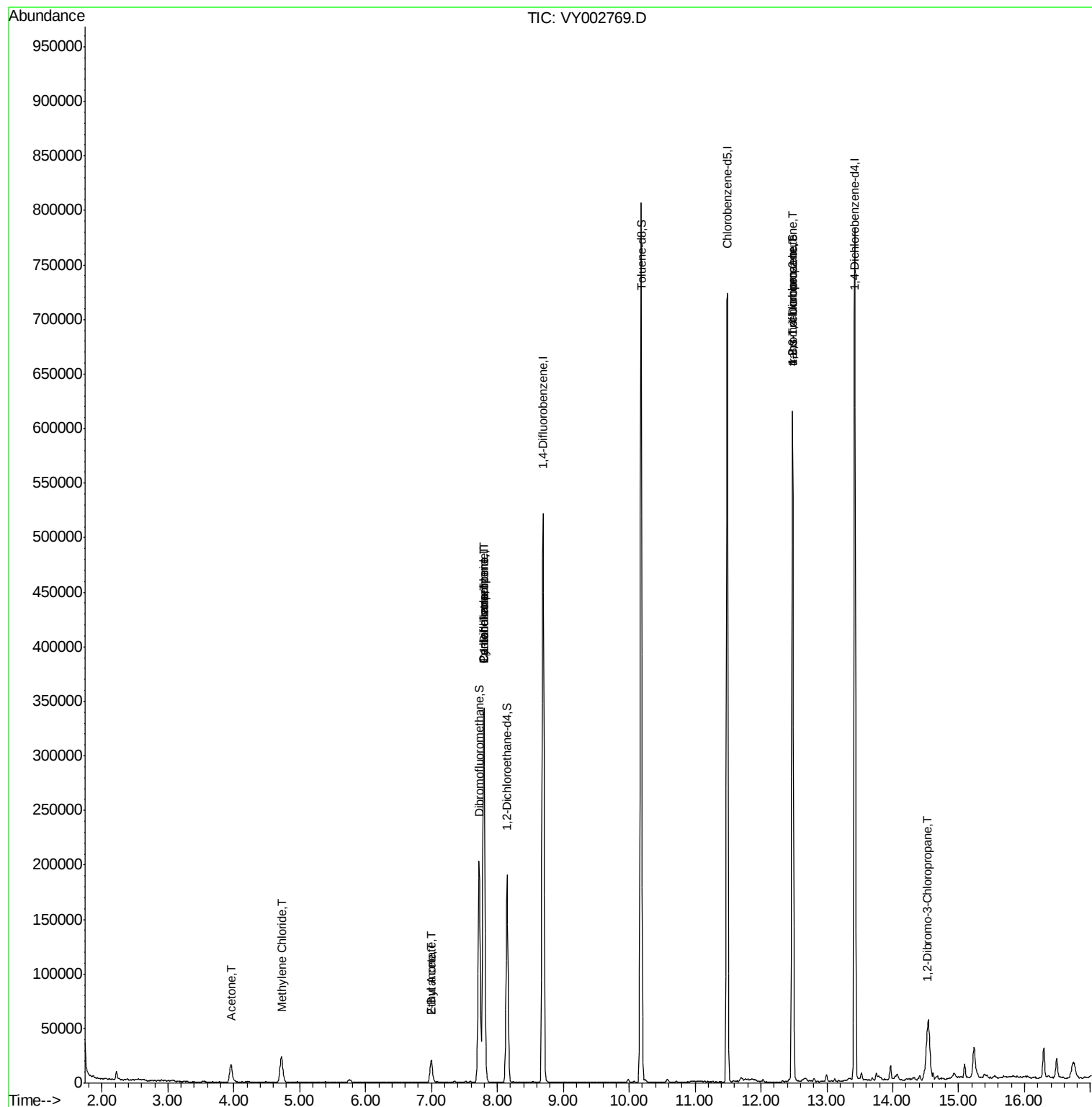
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.98	59	101	Below Cal	#	74
16) Acetone	3.95	43	28705	48.364	ug/l	95
18) Methyl Acetate	4.49	43	587	Below Cal	#	59
20) Methylene Chloride	4.72	84	18834	6.493	ug/l	97
25) 2-Butanone	7.00	43	35172	38.036	ug/l	93
31) Cyclohexane	7.80	56	4352	1.014	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	17855	4.515	ug/l #	49
37) Ethyl Acetate	7.00	43	35172	16.345	ug/l #	67
38) Carbon Tetrachloride	7.79	117	25629	5.833	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	86761	44.400	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	86761	83.650	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	14.52	75	1903	4.056	ug/l #	1

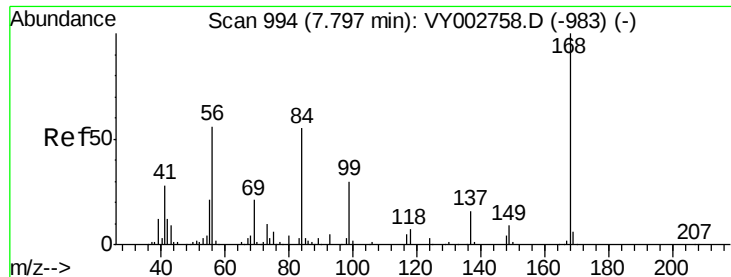
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY002769.D

Acq: 27 May 2020 17:15

Instrument :

MSVOA_Y

ClientSampleId :

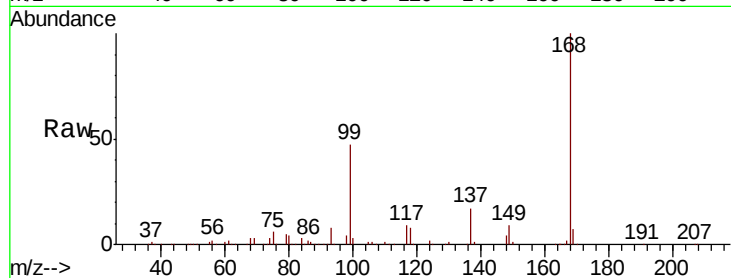
ISLAND-BETWEEN-G-H-1

Tot Ion:168 Resp: 291510

Ion Ratio Lower Upper

168 100

99 47.4 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

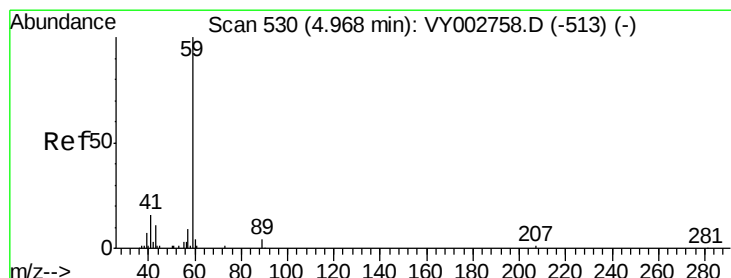
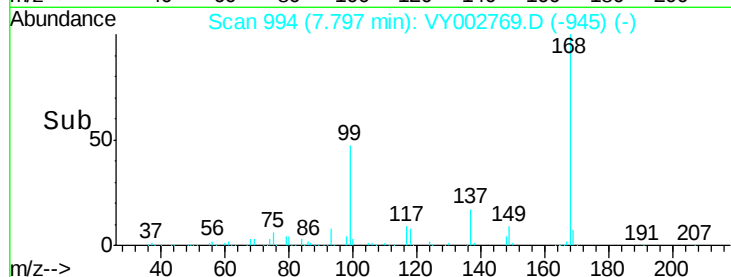
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. 0.01 min

Lab File: VY002769.D

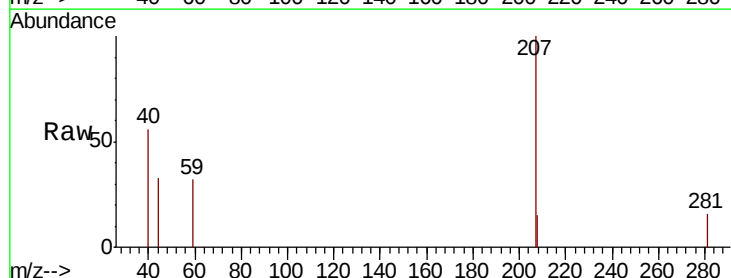
Acq: 27 May 2020 17:15

Tgt Ion: 59 Resp: 101

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) (-)

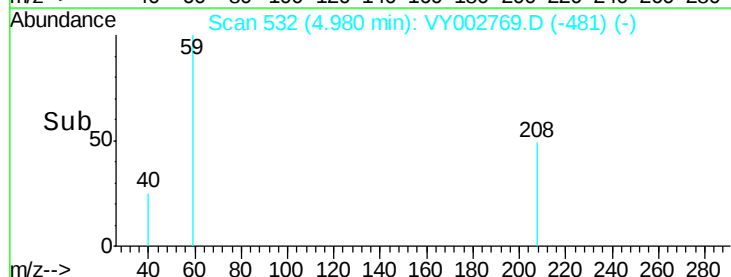
4.98

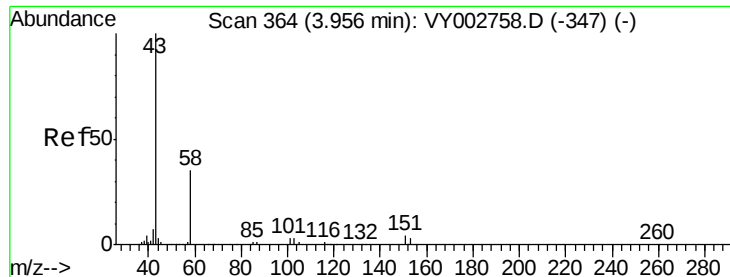
100

50

0

Time-->





#16

Acetone

Concen: 48.364 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY002769.D

Acq: 27 May 2020 17:15

Instrument :

MSVOA_Y

ClientSampleId :

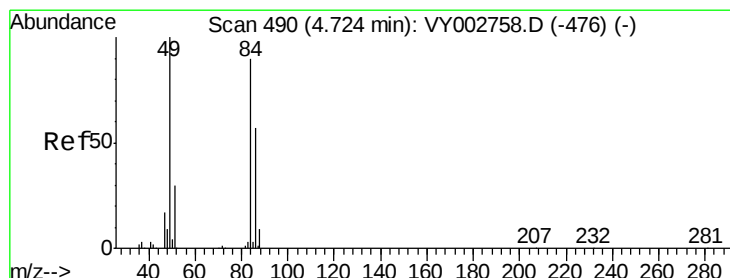
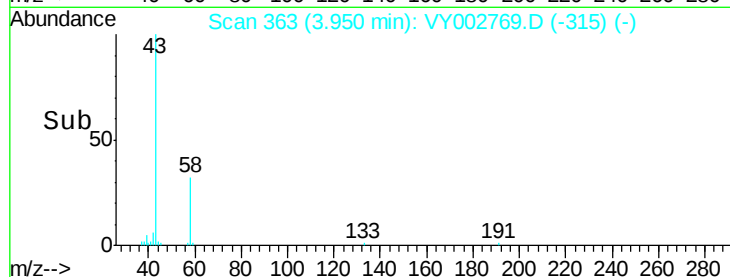
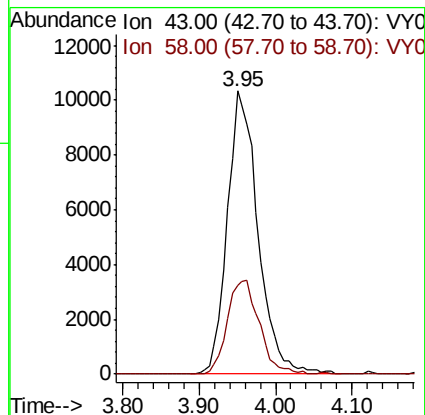
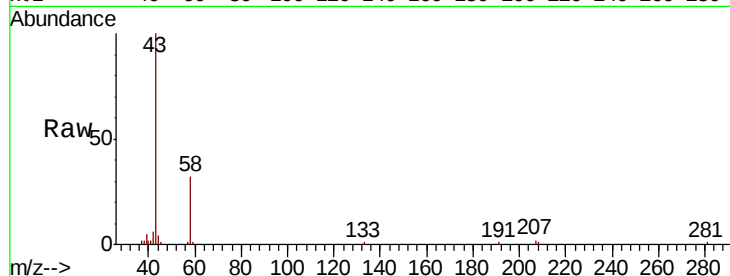
ISLAND-BETWEEN-G-H-1

Tot Ion: 43 Resp: 28705

Ion Ratio Lower Upper

43 100

58 31.5 27.7 41.5



#20

Methylene Chloride

Concen: 6.493 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY002769.D

Acq: 27 May 2020 17:15

Tgt Ion: 84 Resp: 18834

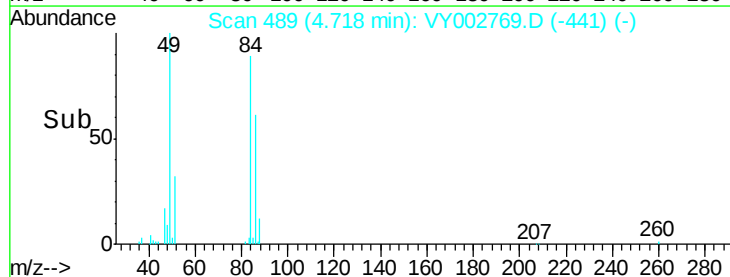
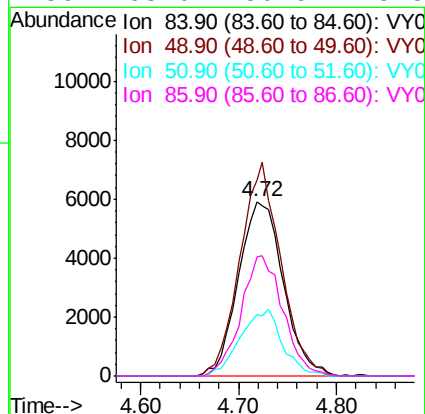
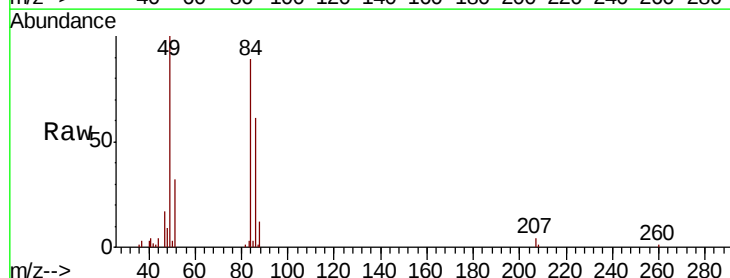
Ion Ratio Lower Upper

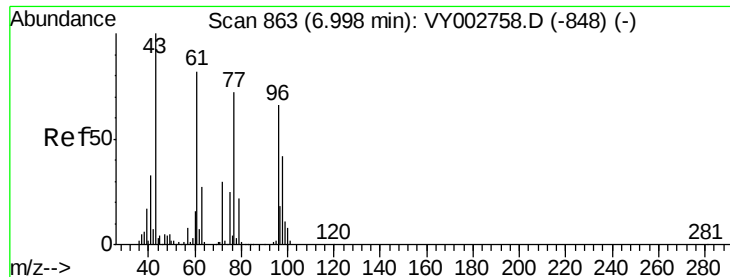
84 100

49 112.1 88.5 132.7

51 35.5 26.8 40.2

86 68.0 50.6 75.8





#25

2-Butanone

Concen: 38.036 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY002769.D

Acq: 27 May 2020 17:15

Instrument :

MSVOA_Y

ClientSampleId :

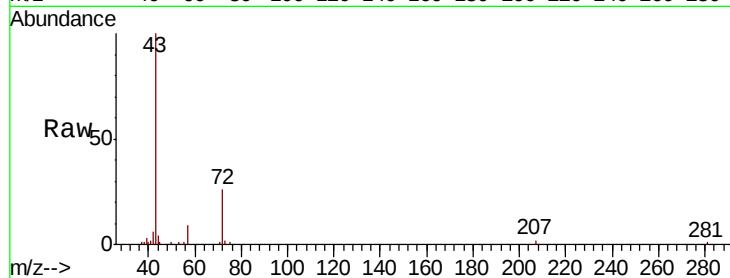
ISLAND-BETWEEN-G-H-1

Tot Ion: 43 Resp: 35172

Ion Ratio Lower Upper

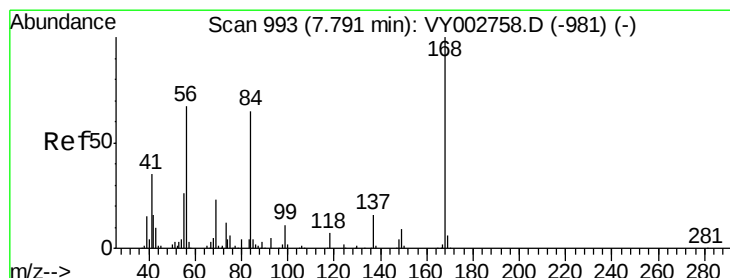
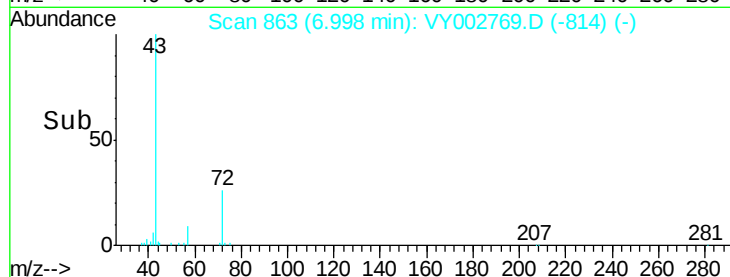
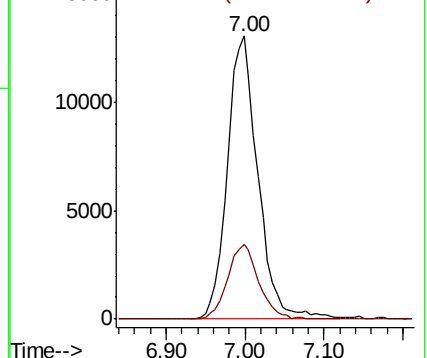
43 100

72 26.3 23.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#31

Cyclohexane

Concen: 1.014 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY002769.D

Acq: 27 May 2020 17:15

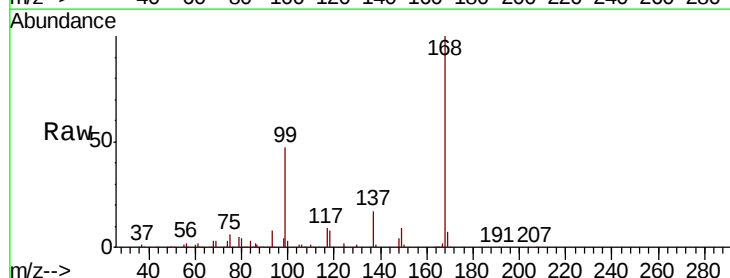
Tgt Ion: 56 Resp: 4352

Ion Ratio Lower Upper

56 100

69 165.9 28.0 42.0#

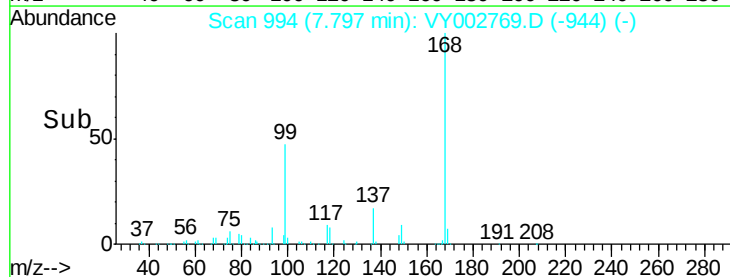
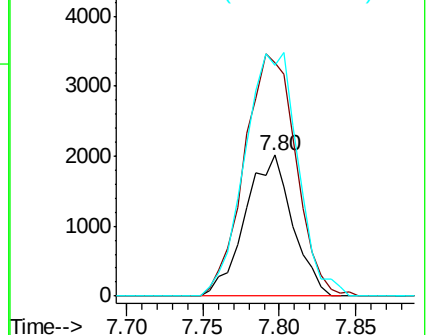
84 168.4 77.7 116.5#

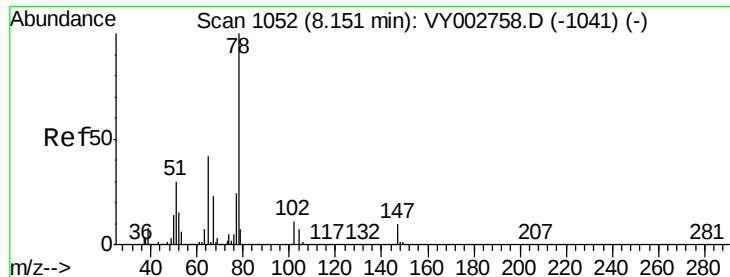


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

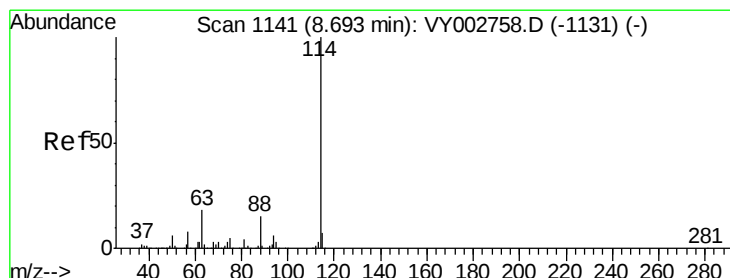
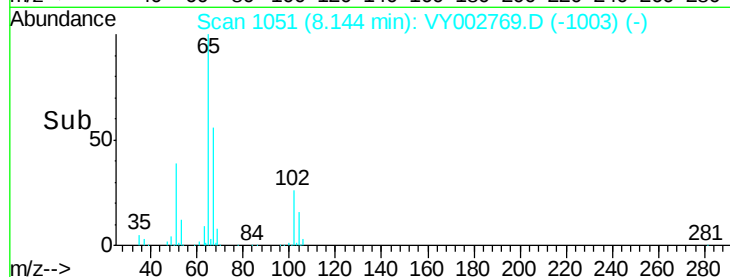
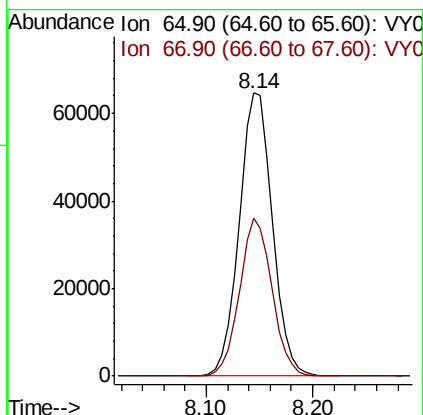
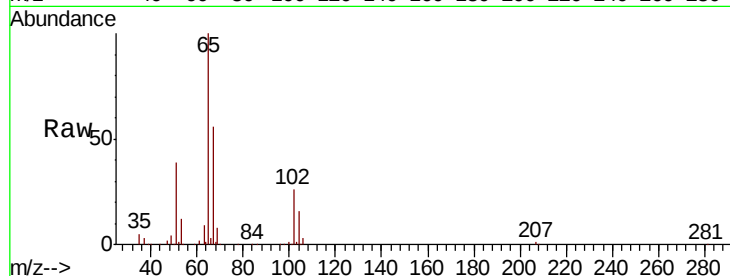




#33
 1,2-Dichloroethane-d4
 Concen: 56.009 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY002769.D
 Acq: 27 May 2020 17:15

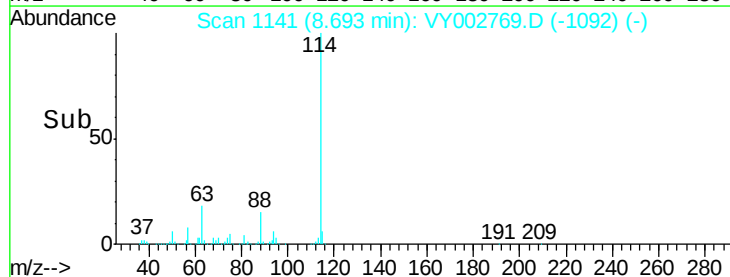
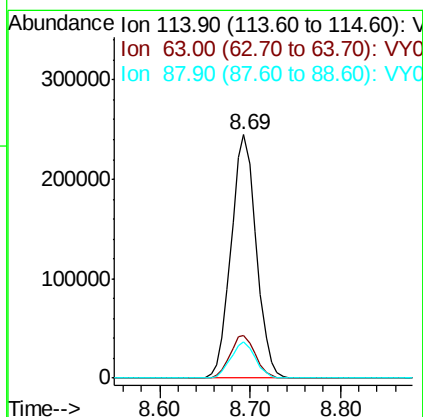
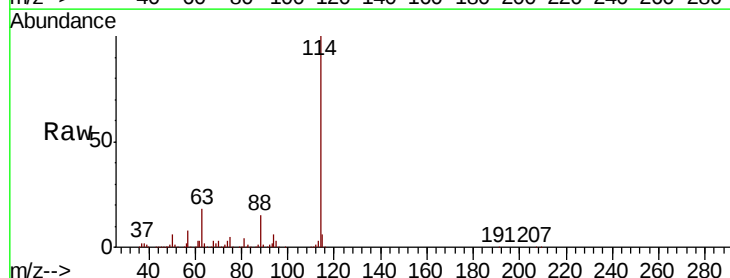
Instrument :
 MSVOA_Y
 ClientSampleId :
 ISLAND-BETWEEN-G-H-1

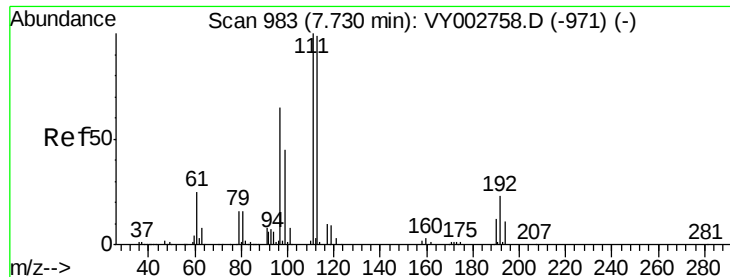
Tot Ion: 65 Resp: 141766
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY002769.D
 Acq: 27 May 2020 17:15

Tgt Ion: 114 Resp: 469500
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.2
 88 14.7 0.0 29.2

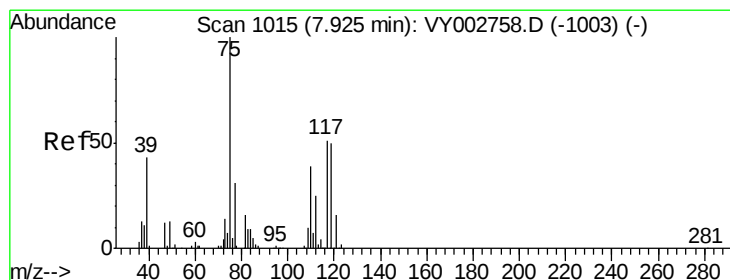
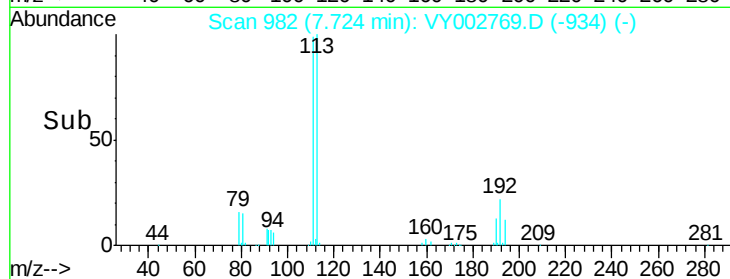
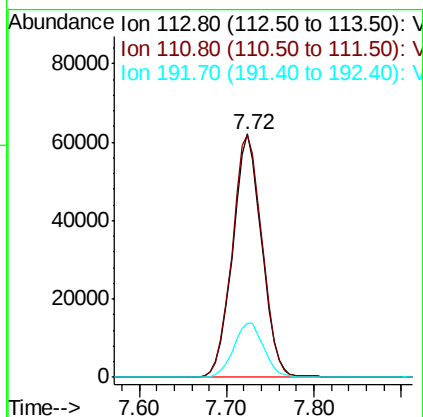
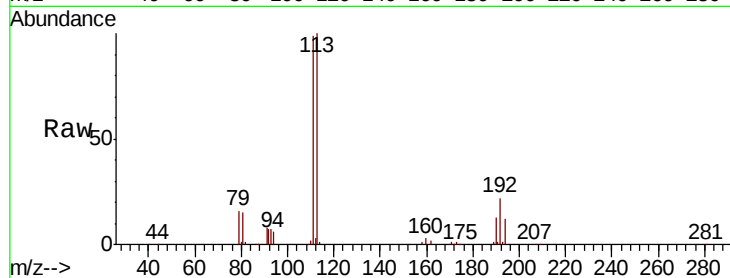




#35
 Dibromofluoromethane
 Concen: 51.984 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002769.D
 Acq: 27 May 2020 17:15

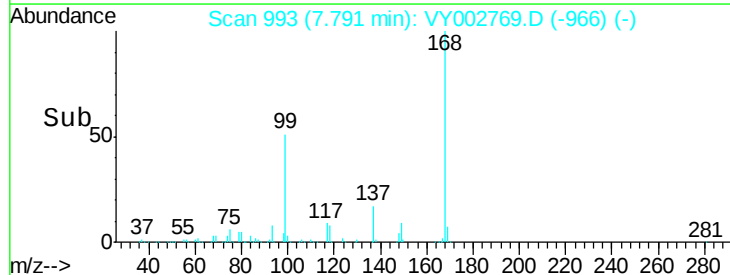
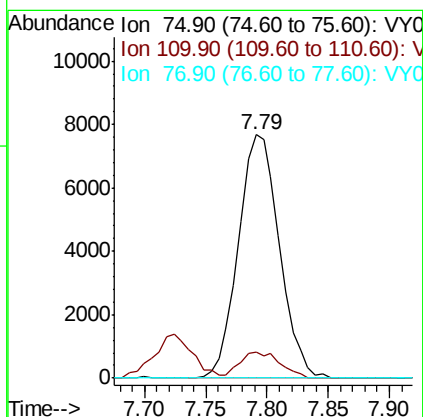
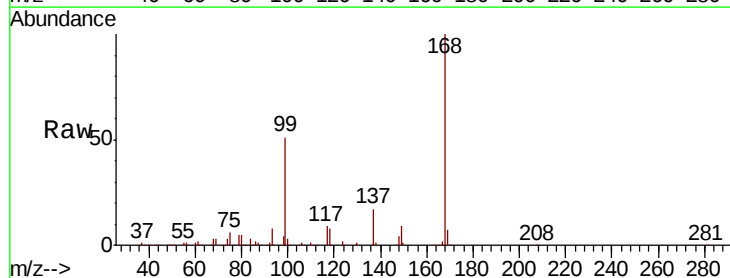
Instrument :
 MSVOA_Y
 ClientSampleId :
 ISLAND-BETWEEN-G-H-1

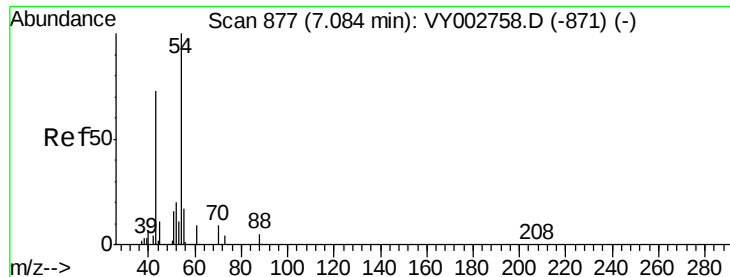
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.0	123.0
192	23.3	18.9	28.3



#36
 1,1-Dichloropropene
 Concen: 4.515 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY002769.D
 Acq: 27 May 2020 17:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	19.3	57.9#
77	0.0	24.8	37.2#

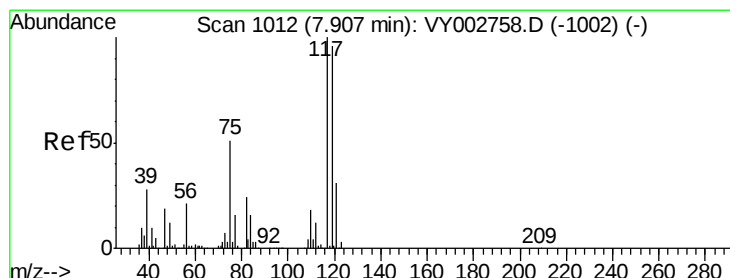
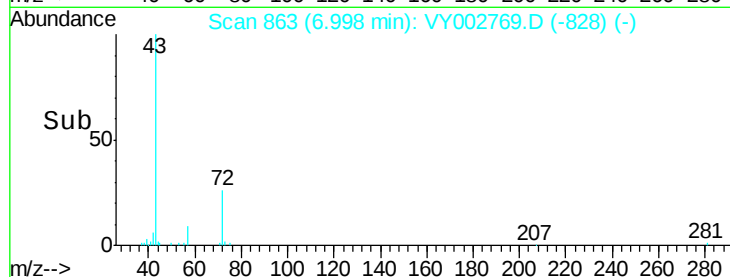
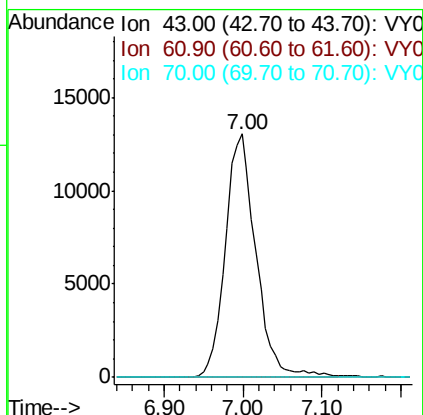
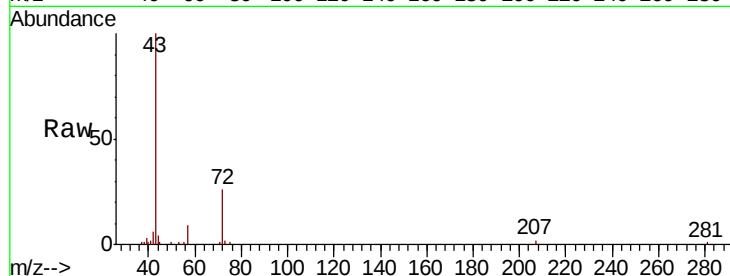




#37
Ethyl Acetate
Concen: 16.345 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.09 min
Lab File: VY002769.D
Acq: 27 May 2020 17:15

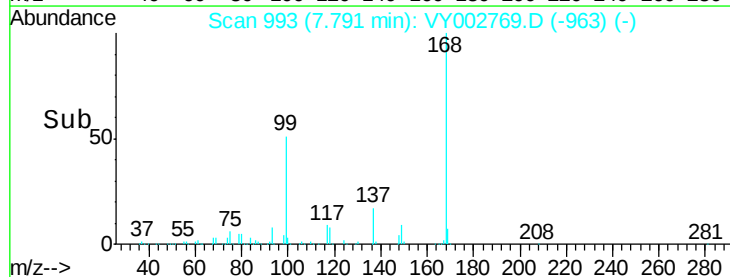
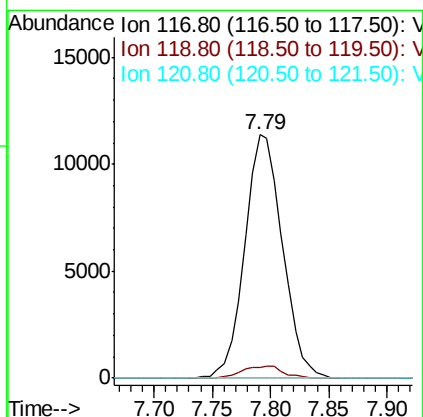
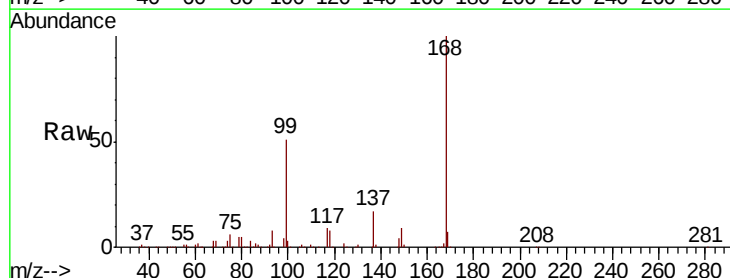
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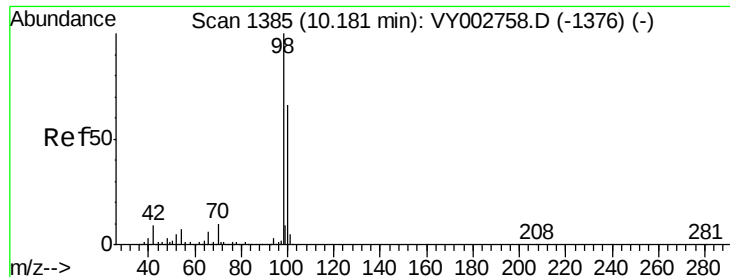
Tot Ion: 43 Resp: 35172
Ion Ratio Lower Upper
43 100
61 0.0 11.9 17.9#
70 0.0 9.1 13.7#



#38
Carbon Tetrachloride
Concen: 5.833 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.12 min
Lab File: VY002769.D
Acq: 27 May 2020 17:15

Tgt Ion: 117 Resp: 25629
Ion Ratio Lower Upper
117 100
119 4.2 76.8 115.2#
121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 49.225 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY002769.D

Acq: 27 May 2020 17:15

Instrument :

MSVOA_Y

ClientSampleId :

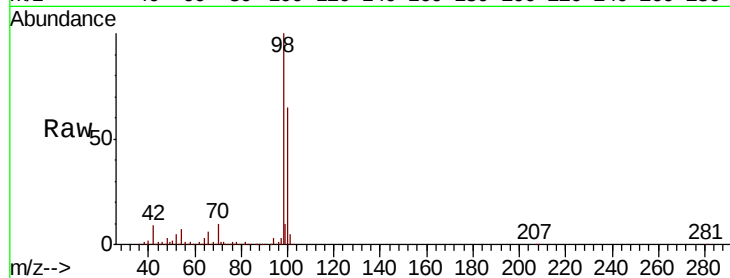
ISLAND-BETWEEN-G-H-1

Tot Ion: 98 Resp: 547630

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.18

300000

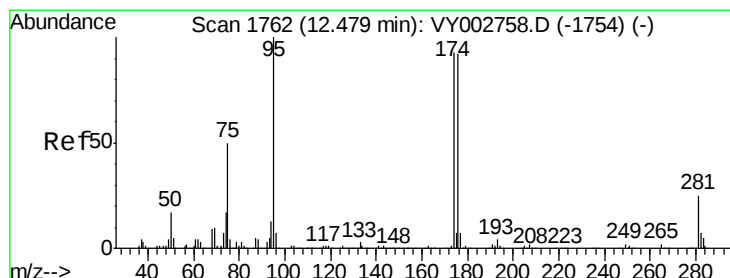
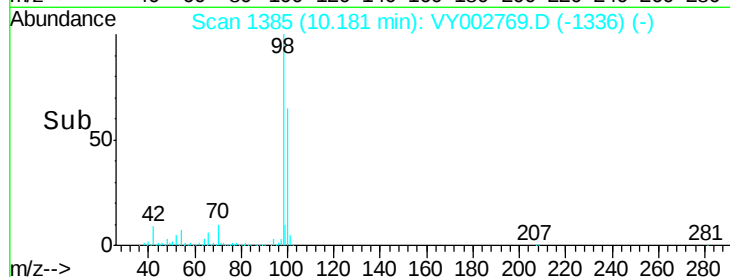
200000

100000

0

Time-->

10.10 10.20 10.30



#62

4-Bromofluorobenzene

Concen: 48.769 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY002769.D

Acq: 27 May 2020 17:15

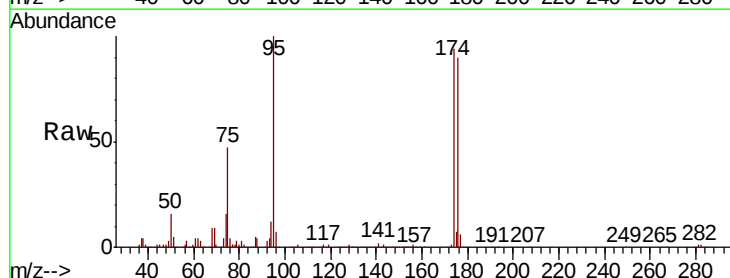
Tgt Ion: 95 Resp: 185420

Ion Ratio Lower Upper

95 100

174 93.8 0.0 191.2

176 91.0 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

12.48

150000

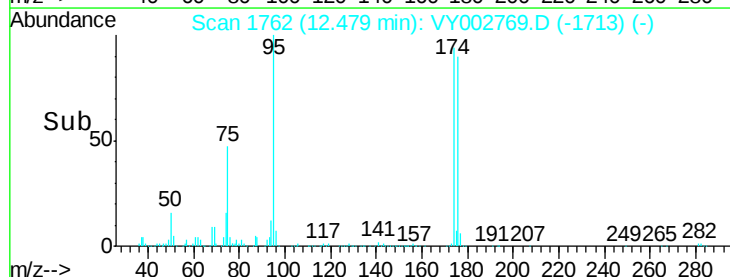
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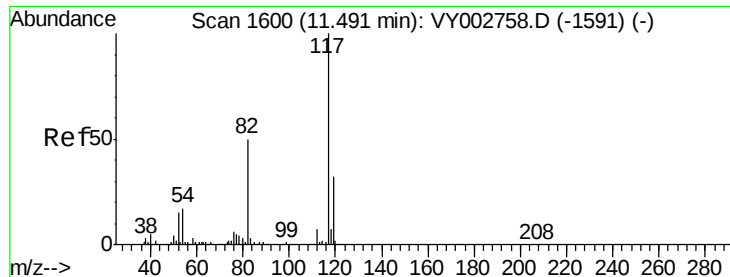
50000

0

Time-->

12.40 12.50

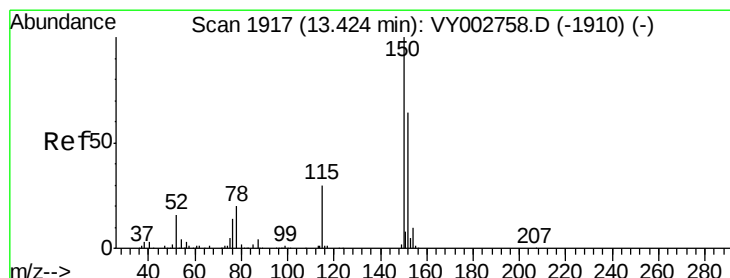
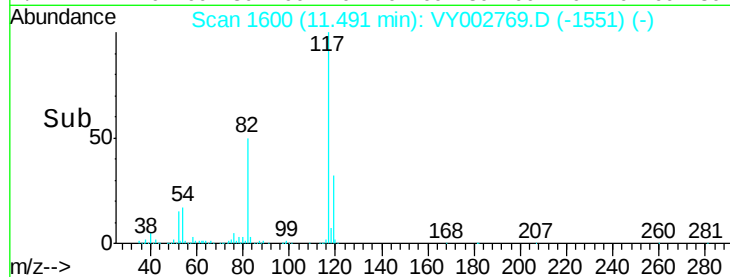
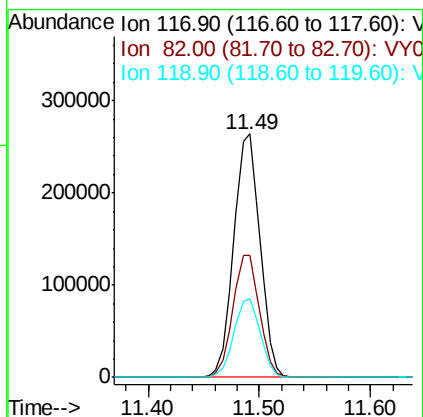
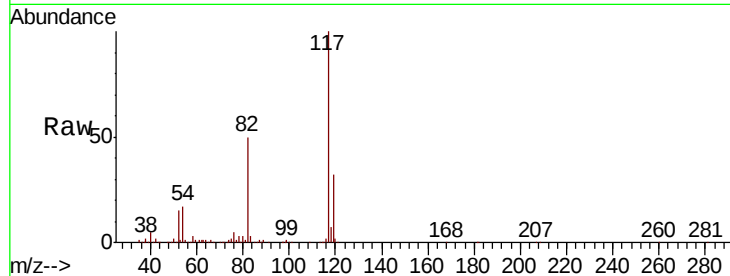




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002769.D
Acq: 27 May 2020 17:15

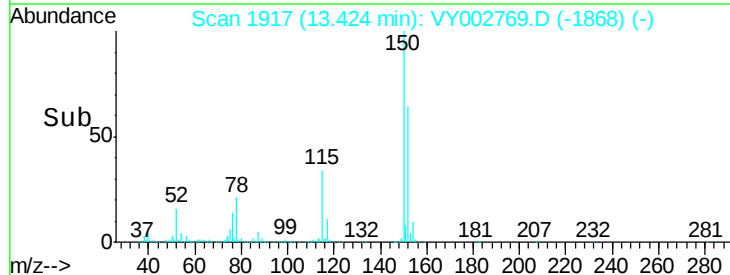
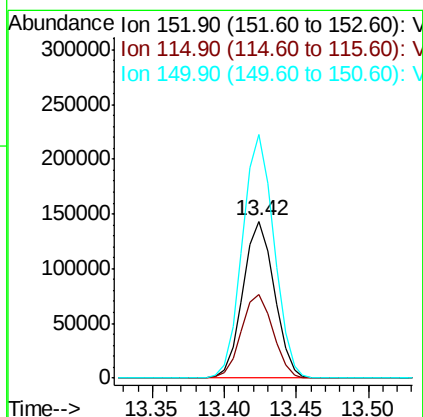
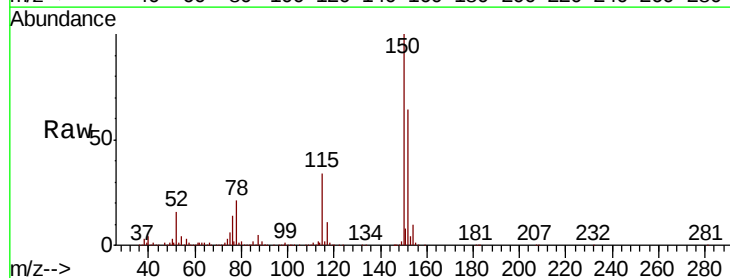
Instrument :
MSVOA_Y
ClientSampleId :
ISLAND-BETWEEN-G-H-1

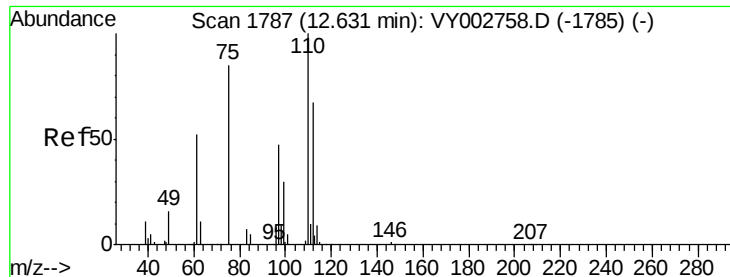
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.3	40.2	60.4
119	32.0	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY002769.D
Acq: 27 May 2020 17:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.0	27.0	81.0
150	156.3	0.0	344.8





#76

1,2,3-Trichloropropane

Concen: 44.400 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002769.D

Acq: 27 May 2020 17:15

Instrument :

MSVOA_Y

ClientSampleId :

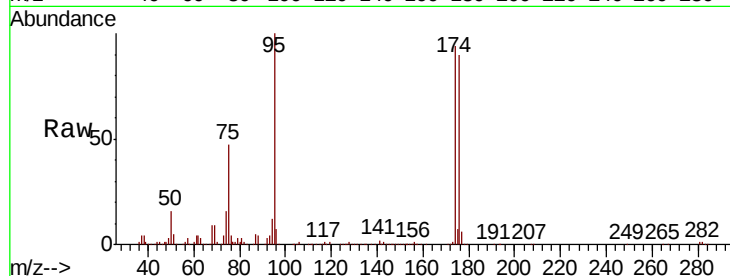
ISLAND-BETWEEN-G-H-1

Tot Ion: 75 Resp: 86761

Ion Ratio Lower Upper

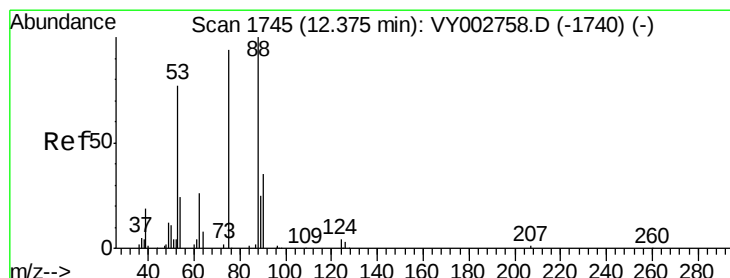
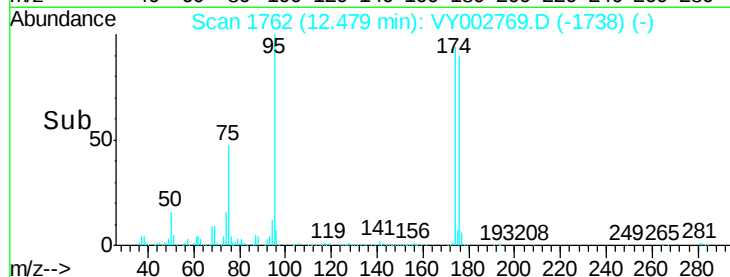
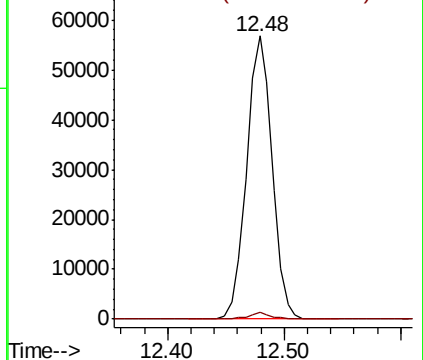
75 100

77 2.3 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: 83.650 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002769.D

Acq: 27 May 2020 17:15

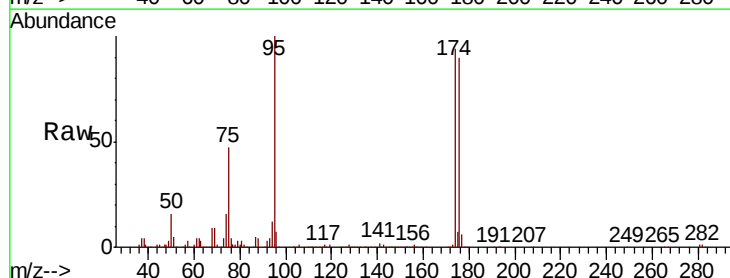
Tgt Ion: 75 Resp: 86761

Ion Ratio Lower Upper

75 100

53 0.0 64.0 96.0#

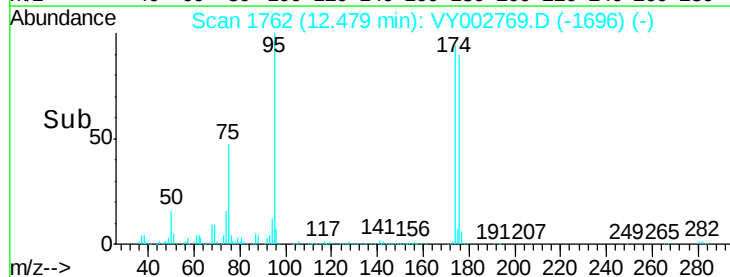
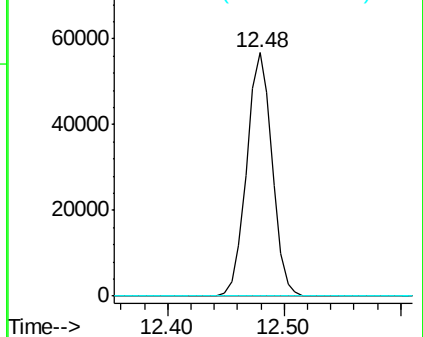
89 0.1 37.4 56.2#

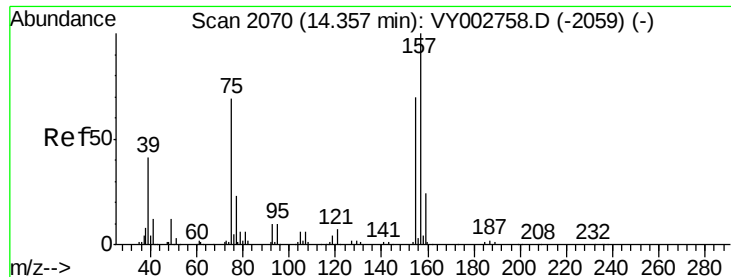


Abundance Ion 74.90 (74.60 to 75.60): VY0

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: 4.056 ug/l

RT: 14.52 min Scan# 2097

Delta R.T. 0.16 min

Lab File: VY002769.D

Acq: 27 May 2020 17:15

Instrument :

MSVOA_Y

ClientSampleId :

ISLAND-BETWEEN-G-H-1

Tot Ion: 75 Resp: 1903

Ion Ratio Lower Upper

75 100

155 0.0 53.5 160.5#

157 0.0 69.9 209.7#

