

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
 Data File : VY002771.D
 Acq On : 27 May 2020 18:03
 Operator : SY/MD
 Sample : L2771-06
 Misc : 8.11G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ISLAND-BETWEEN-G-H-3

Quant Time: May 28 04:44:50 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	286563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	463575	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	425764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	209707	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	141569	56.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.80%	
35) Dibromofluoromethane	7.72	113	141364	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
50) Toluene-d8	10.18	98	540897	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
62) 4-Bromofluorobenzene	12.48	95	182914	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	

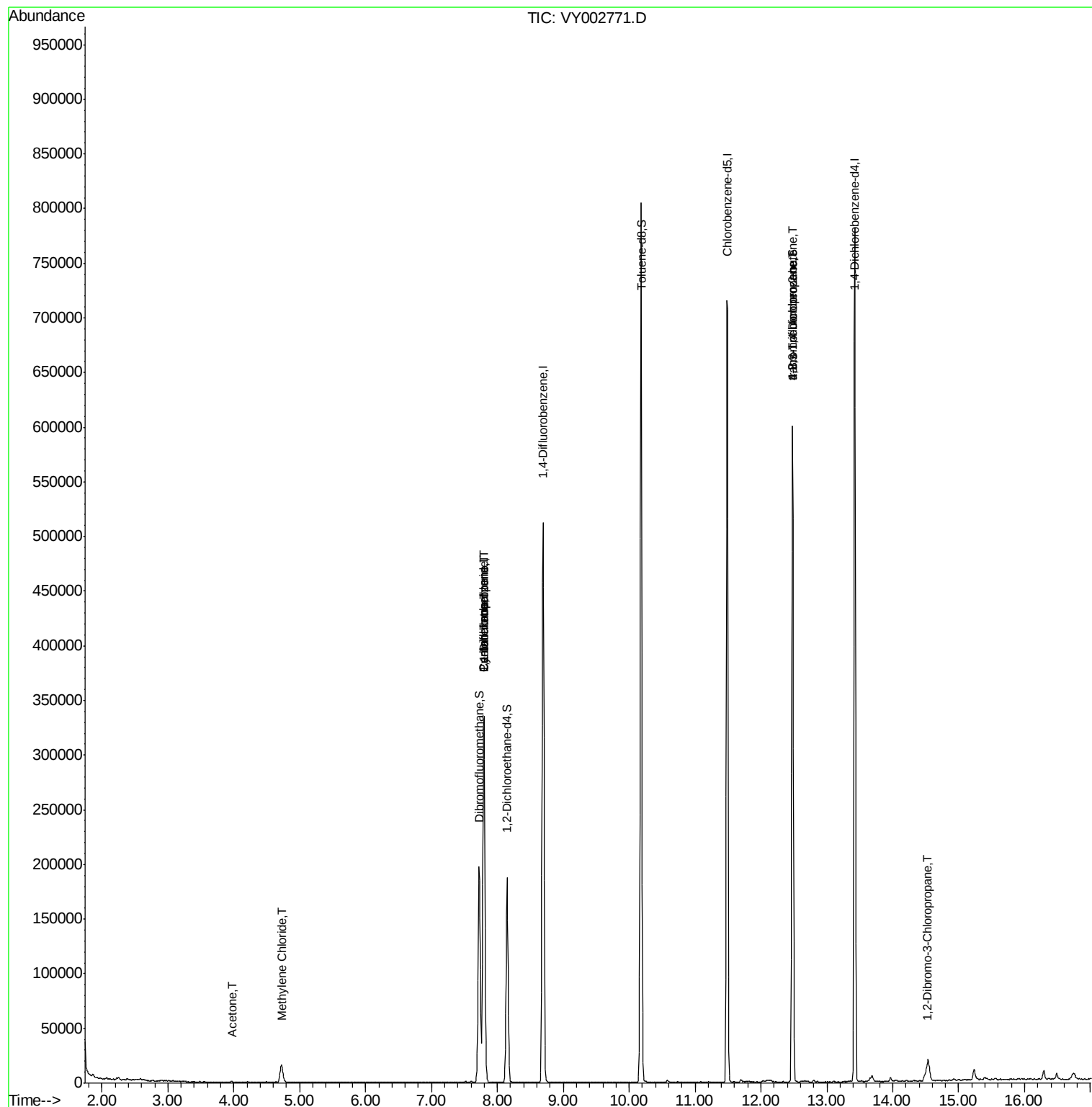
Target Compounds					Qvalue
11) Tert butyl alcohol	4.96	59	21	Below Cal	# 74
16) Acetone	3.96	43	620	1.063	ug/l 100
18) Methyl Acetate	4.50	43	441	Below Cal	# 70
20) Methylene Chloride	4.73	84	12889	4.520	ug/l 89
31) Cyclohexane	7.79	56	4288	1.016	ug/l # 1
36) 1,1-Dichloropropene	7.80	75	17570	4.499	ug/l # 49
38) Carbon Tetrachloride	7.80	117	24806	5.718	ug/l # 16
76) 1,2,3-Trichloropropane	12.48	75	85844	45.430	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.48	75	85844	85.590	ug/l # 17
92) 1,2-Dibromo-3-Chloropropan	14.52	75	514	1.133	ug/l # 1

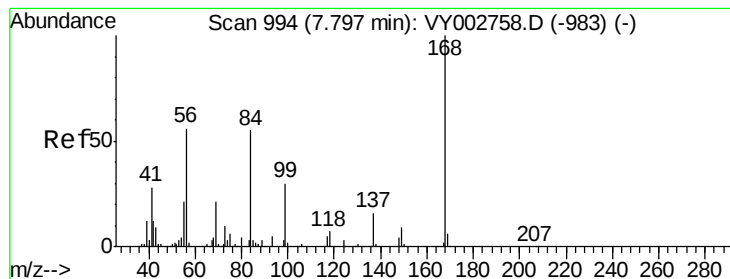
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002771.D

Acq: 27 May 2020 18:03

Instrument :

MSVOA_Y

ClientSampleId :

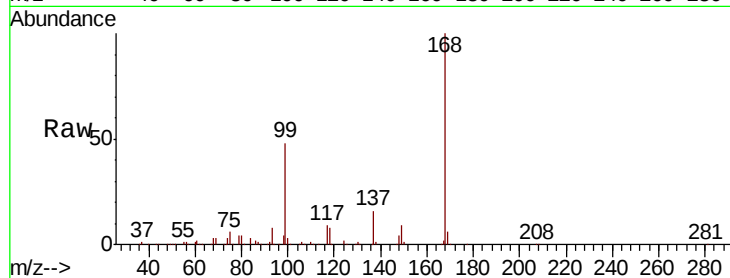
ISLAND-BETWEEN-G-H-3

Tot Ion:168 Resp: 286563

Ion Ratio Lower Upper

168 100

99 47.9 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

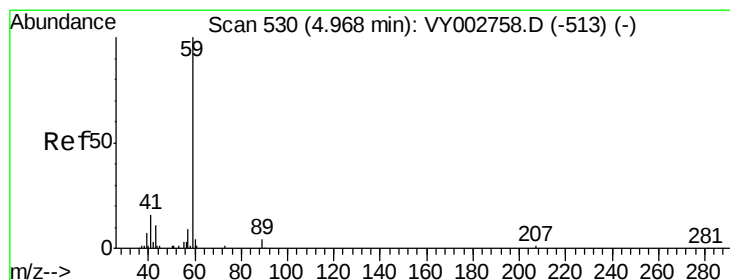
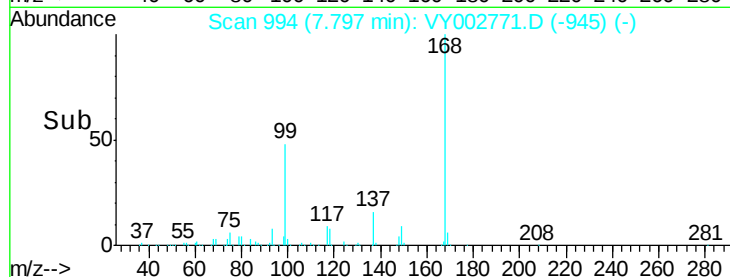
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY002771.D

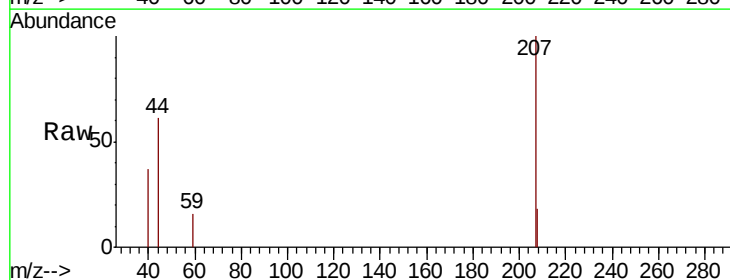
Acq: 27 May 2020 18:03

Tgt Ion: 59 Resp: 21

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) (-)

4.96

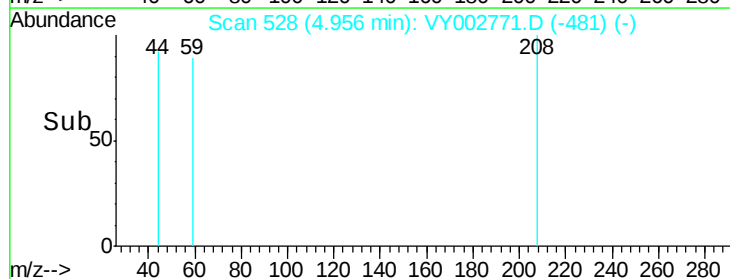
60

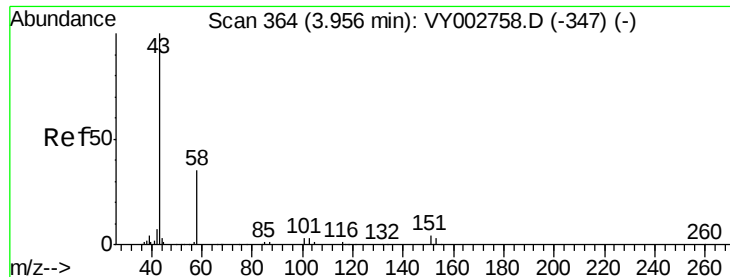
40

20

0

Time-->





#16

Acetone

Concen: 1.063 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY002771.D

Acq: 27 May 2020 18:03

Instrument :

MSVOA_Y

ClientSampleId :

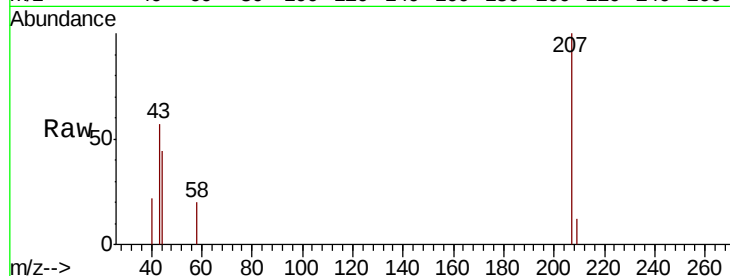
ISLAND-BETWEEN-G-H-3

Tot Ion: 43 Resp: 620

Ion Ratio Lower Upper

43 100

58 34.6 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

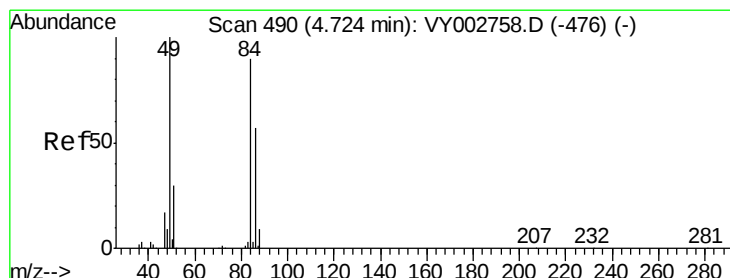
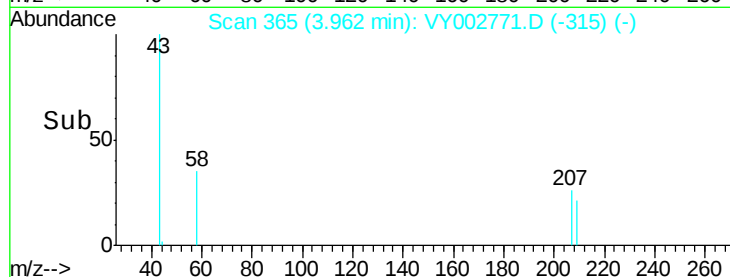
300

200

100

0

Time--> 3.90 3.95 4.00



#20

Methylene Chloride

Concen: 4.520 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY002771.D

Acq: 27 May 2020 18:03

Tgt Ion: 84 Resp: 12889

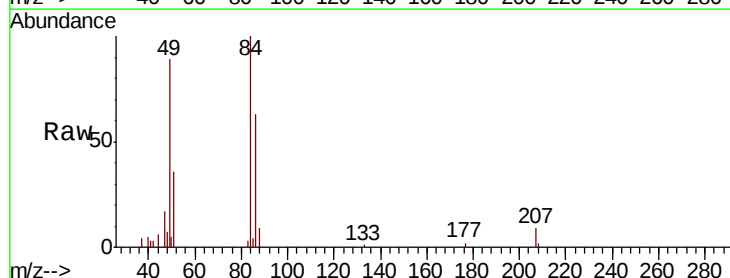
Ion Ratio Lower Upper

84 100

49 89.4 88.5 132.7

51 35.6 26.8 40.2

86 62.6 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

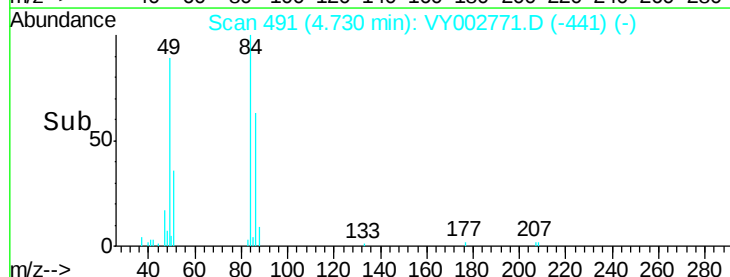
6000

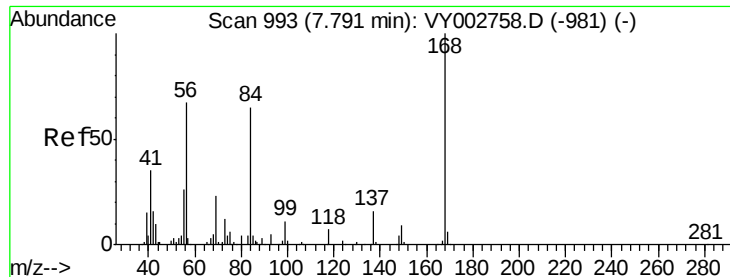
4000

2000

0

Time--> 4.60 4.70 4.80

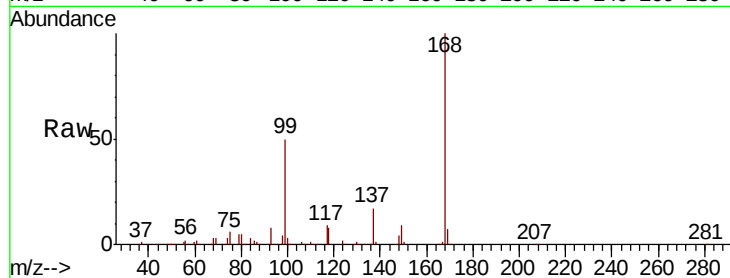




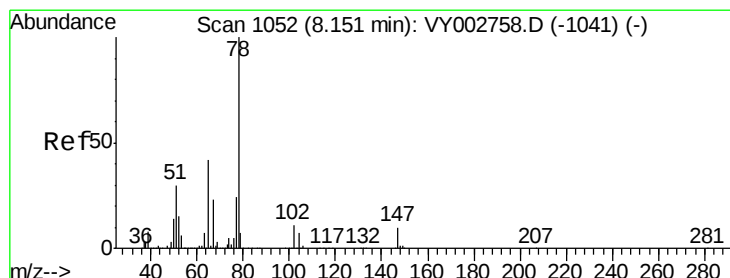
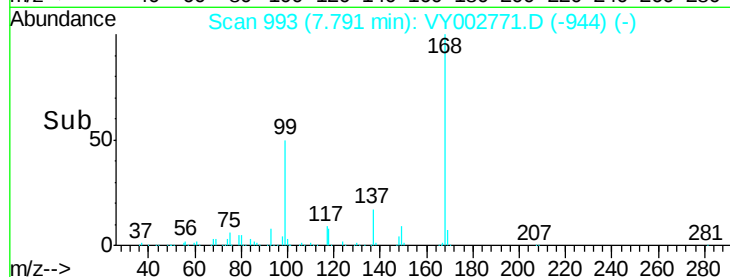
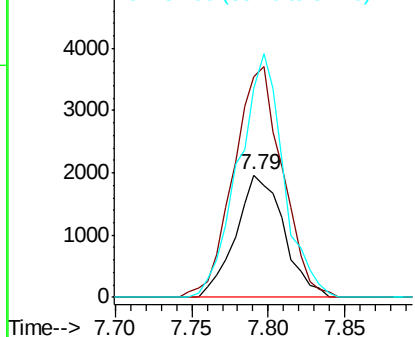
#31
Cyclohexane
Concen: 1.016 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY002771.D
Acq: 27 May 2020 18:03

Instrument :
MSVOA_Y
ClientSampleId :
ISLAND-BETWEEN-G-H-3

Tot Ion: 56 Resp: 4288
Ion Ratio Lower Upper
56 100
69 179.5 28.0 42.0#
84 170.3 77.7 116.5#

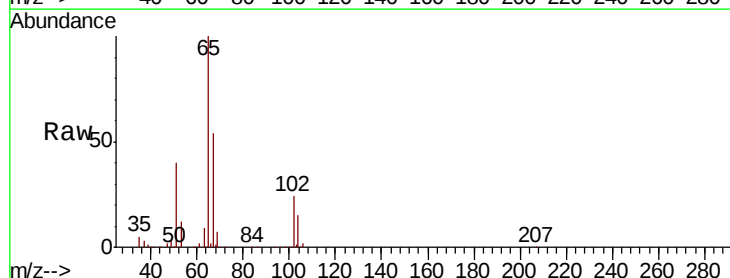


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

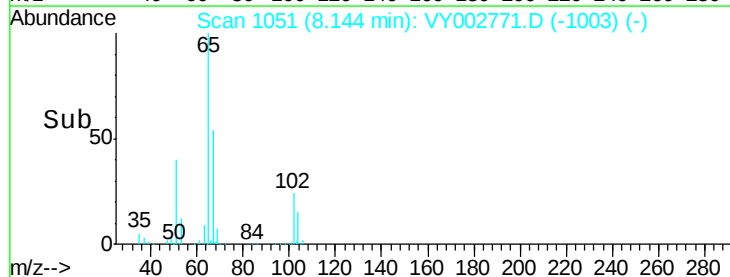
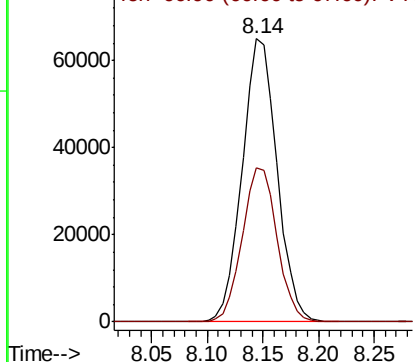


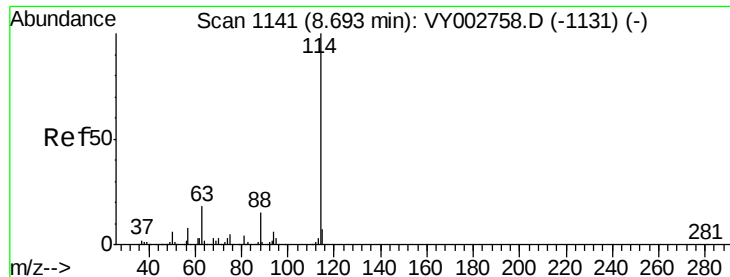
#33
1,2-Dichloroethane-d4
Concen: 56.897 ug/l
RT: 8.14 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VY002771.D
Acq: 27 May 2020 18:03

Tgt Ion: 65 Resp: 141569
Ion Ratio Lower Upper
65 100
67 54.5 0.0 111.0



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

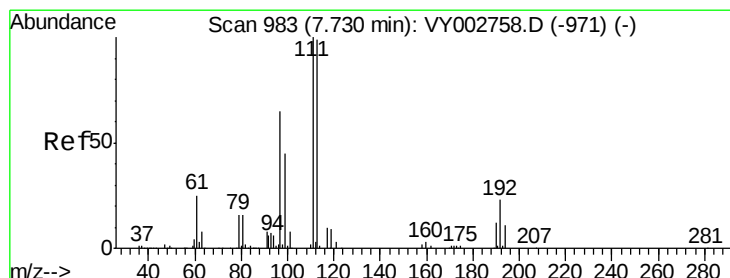
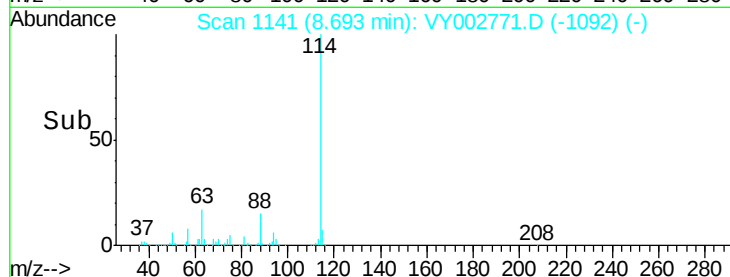
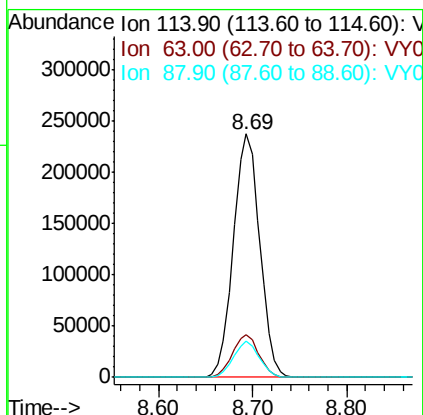
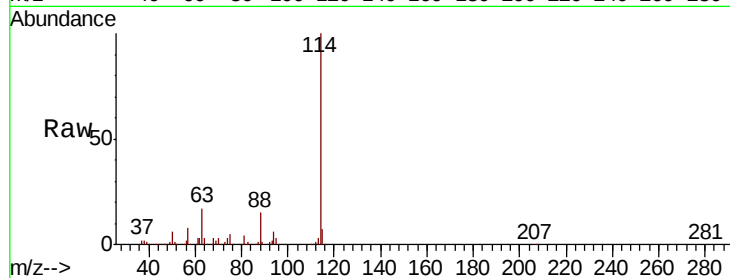




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY002771.D
 Acq: 27 May 2020 18:03

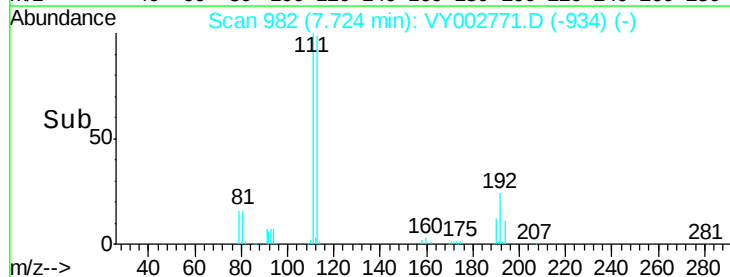
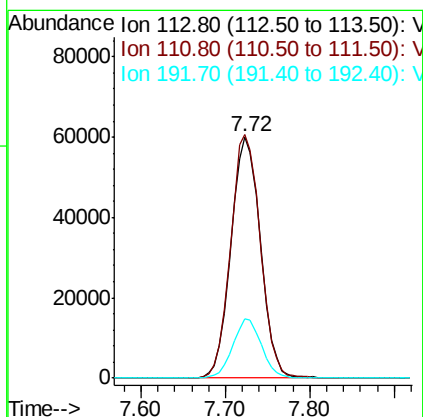
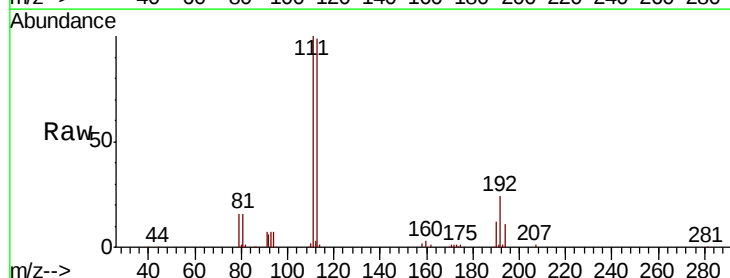
Instrument :
 MSVOA_Y
 ClientSampleId :
 ISLAND-BETWEEN-G-H-3

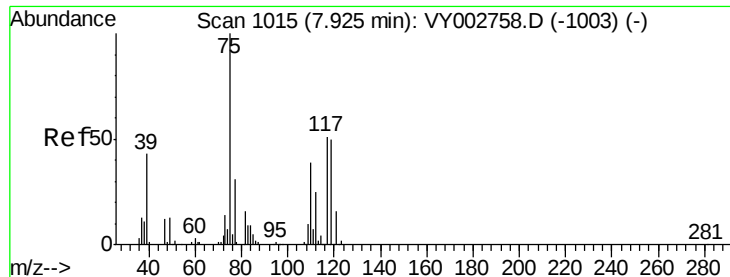
Tot Ion:114 Resp: 463575
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 35.2
 88 14.8 0.0 29.2



#35
 Dibromofluoromethane
 Concen: 52.034 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002771.D
 Acq: 27 May 2020 18:03

Tgt Ion:113 Resp: 141364
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.0 123.0
 192 23.7 18.9 28.3

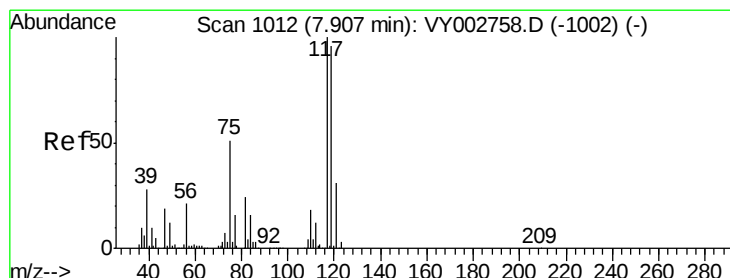
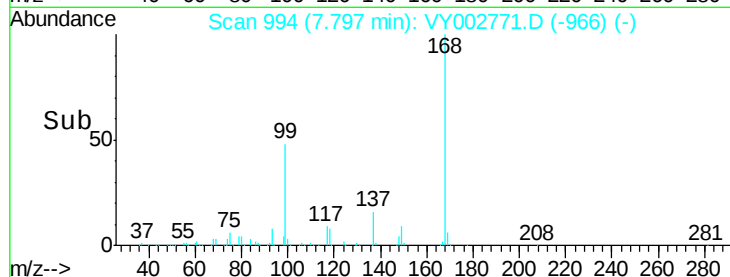
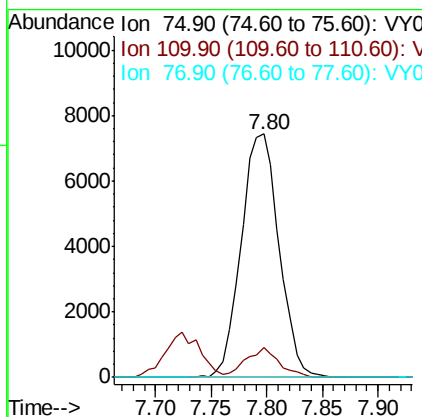
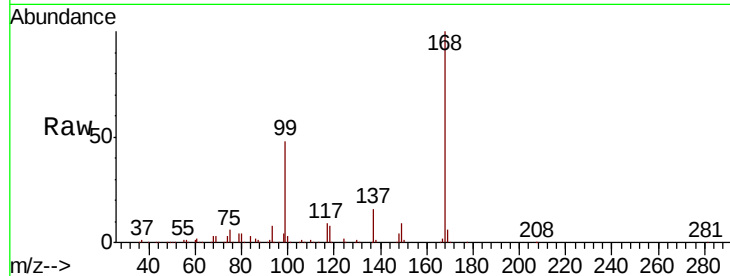




#36
 1,1-Dichloropropene
 Concen: 4.499 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002771.D
 Acq: 27 May 2020 18:03

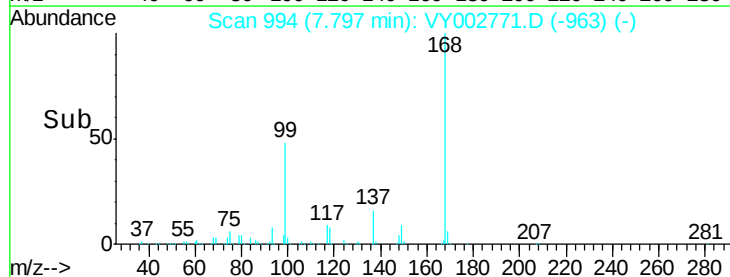
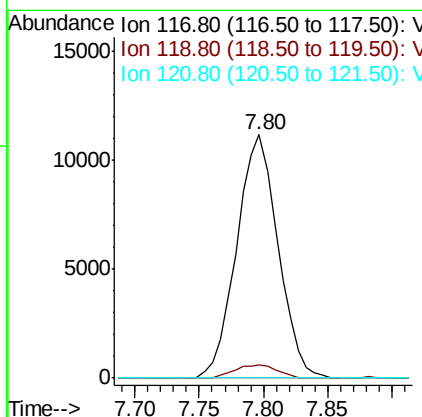
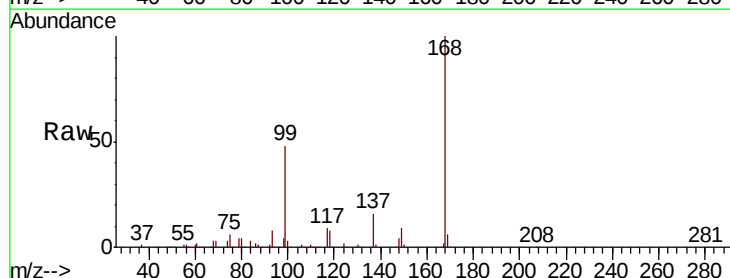
Instrument :
 MSVOA_Y
 ClientSampleId :
 ISLAND-BETWEEN-G-H-3

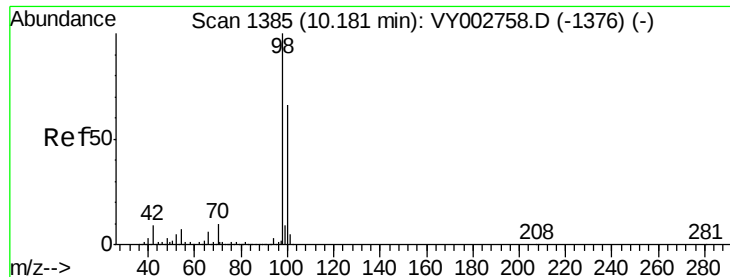
Tot Ion	75	Resp	17570
Ion Ratio	100	Lower	Upper
75	100		
110	10.7	19.3	57.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.718 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY002771.D
 Acq: 27 May 2020 18:03

Tgt Ion	117	Resp	24806
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.5	76.8	115.2#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 49.241 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY002771.D

Acq: 27 May 2020 18:03

Instrument :

MSVOA_Y

ClientSampleId :

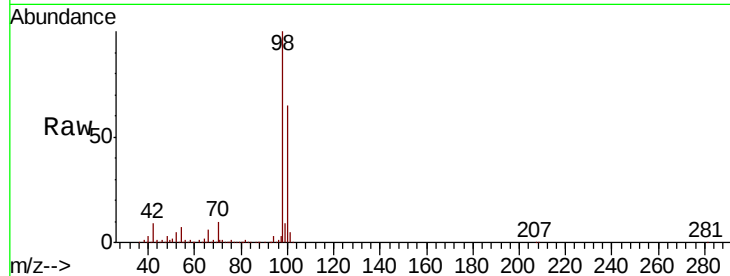
ISLAND-BETWEEN-G-H-3

Tot Ion: 98 Resp: 540897

Ion Ratio Lower Upper

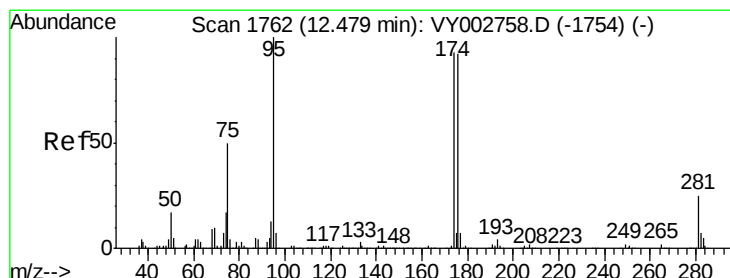
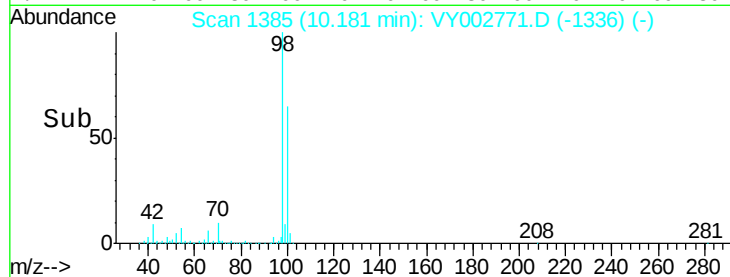
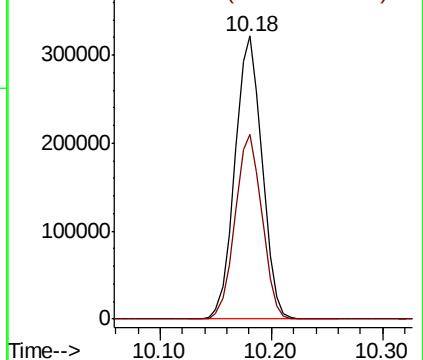
98 100

100 64.8 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: 48.725 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY002771.D

Acq: 27 May 2020 18:03

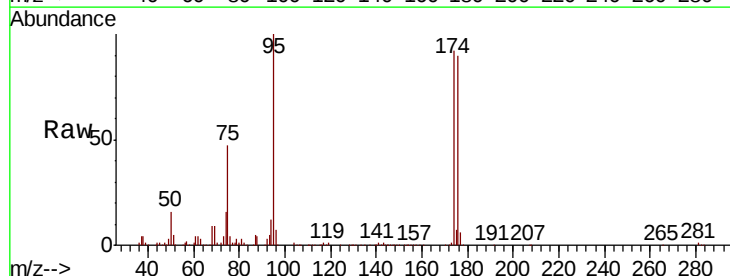
Tgt Ion: 95 Resp: 182914

Ion Ratio Lower Upper

95 100

174 94.2 0.0 191.2

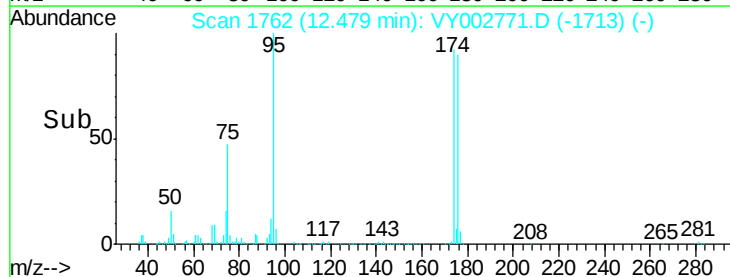
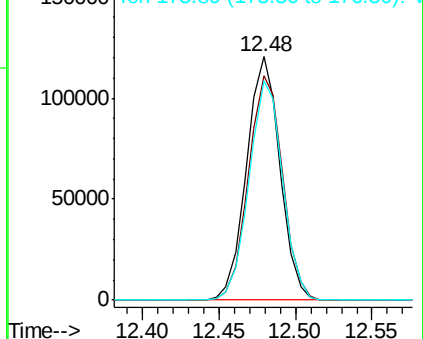
176 90.6 0.0 188.8

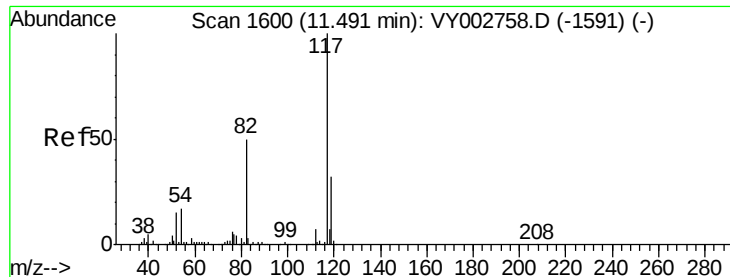


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

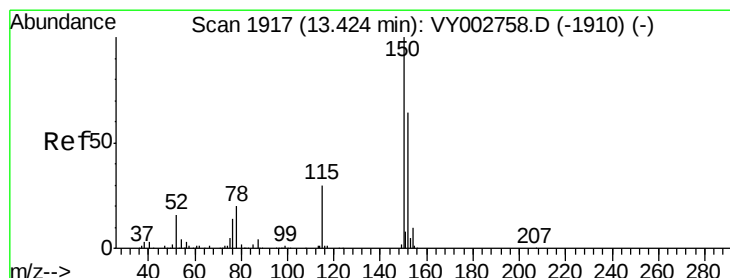
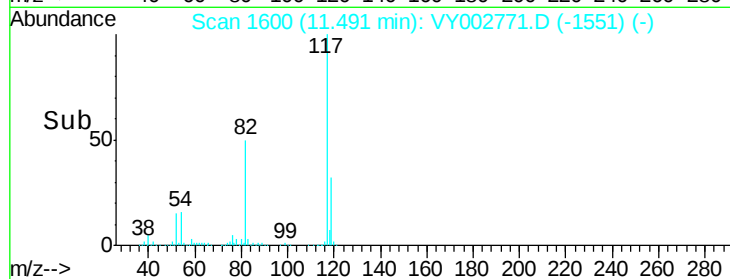
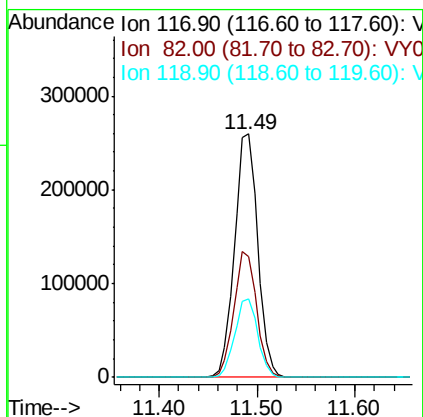
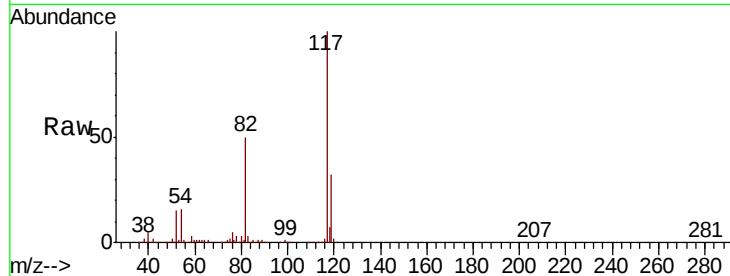




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002771.D
Acq: 27 May 2020 18:03

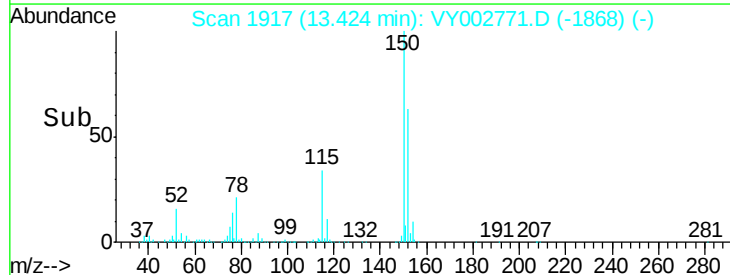
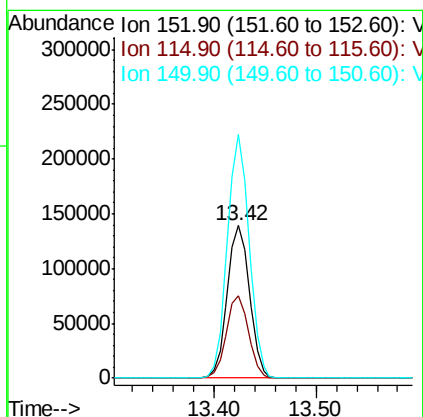
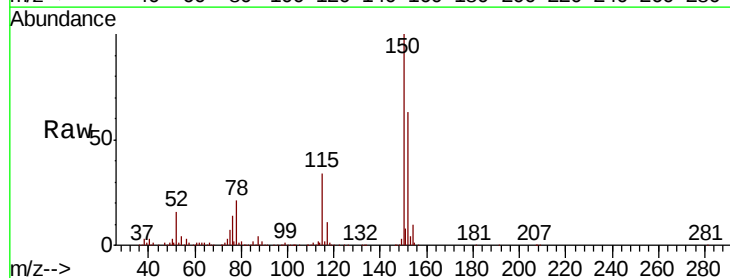
Instrument :
MSVOA_Y
ClientSampleId :
ISLAND-BETWEEN-G-H-3

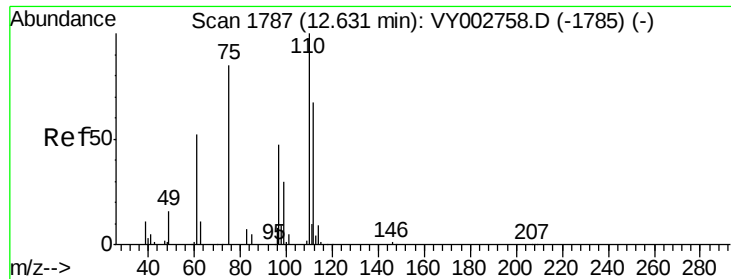
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.8	40.2	60.4
119	32.4	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY002771.D
Acq: 27 May 2020 18:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	27.0	81.0
150	156.7	0.0	344.8





#76

1,2,3-Trichloropropane

Concen: 45.430 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002771.D

Acq: 27 May 2020 18:03

Instrument :

MSVOA_Y

ClientSampleId :

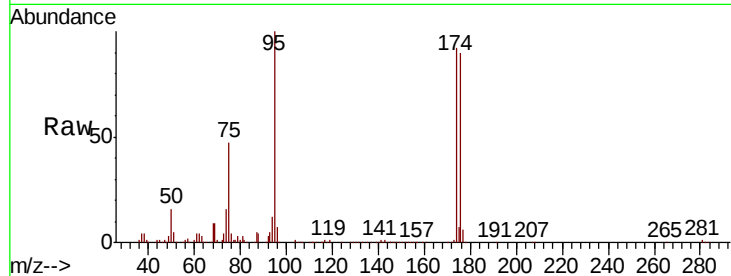
ISLAND-BETWEEN-G-H-3

Tot Ion: 75 Resp: 85844

Ion Ratio Lower Upper

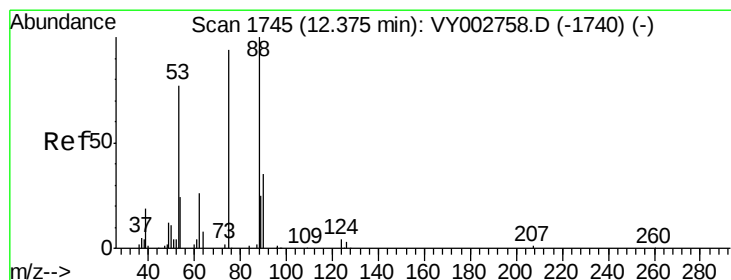
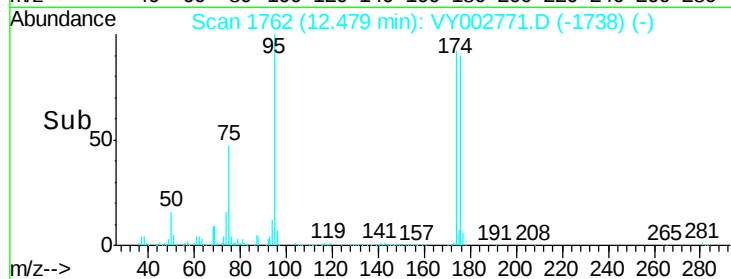
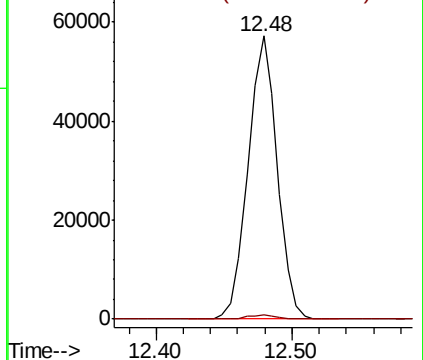
75 100

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: 85.590 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002771.D

Acq: 27 May 2020 18:03

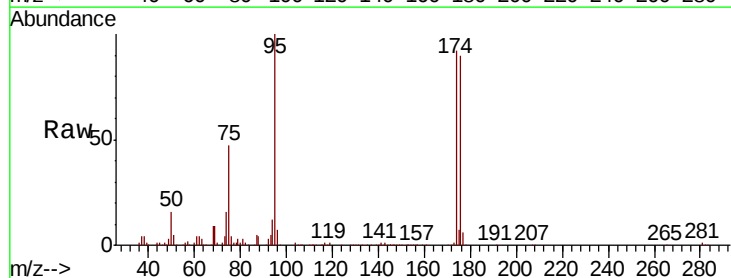
Tgt Ion: 75 Resp: 85844

Ion Ratio Lower Upper

75 100

53 0.0 64.0 96.0#

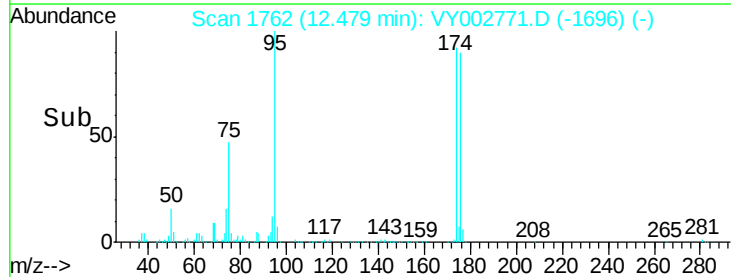
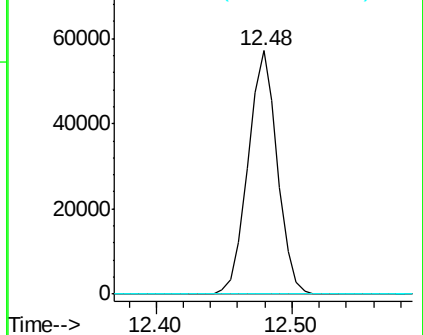
89 0.0 37.4 56.2#

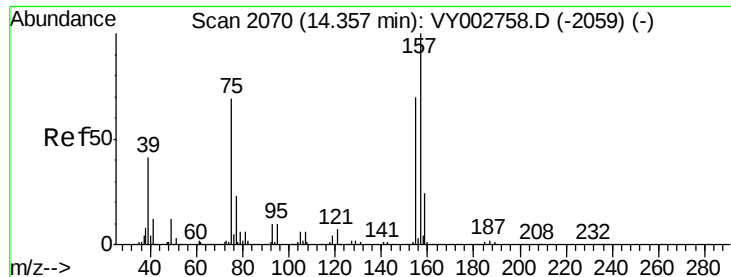


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.133 ug/l

RT: 14.52 min Scan# 2096

Delta R.T. 0.16 min

Lab File: VY002771.D

Acq: 27 May 2020 18:03

Instrument :

MSVOA_Y

ClientSampleId :

ISLAND-BETWEEN-G-H-3

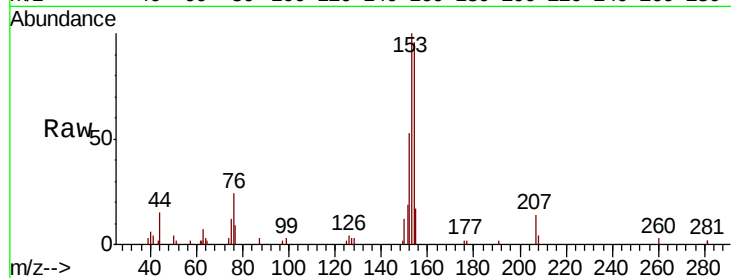
Tot Ion: 75 Resp: 514

Ion Ratio Lower Upper

75 100

155 0.0 53.5 160.5#

157 0.0 69.9 209.7#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

