

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
 Data File : VY002768.D
 Acq On : 27 May 2020 16:51
 Operator : SY/MD
 Sample : L2776-05
 Misc : 3.61G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 339

Quant Time: May 28 04:44:19 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	7.79	168	256358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	398339	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	347669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	161692	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	114793	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
35) Dibromofluoromethane	7.72	113	117194	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
50) Toluene-d8	10.18	98	462737	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
62) 4-Bromofluorobenzene	12.48	95	142577	44.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.40%	

Target Compounds

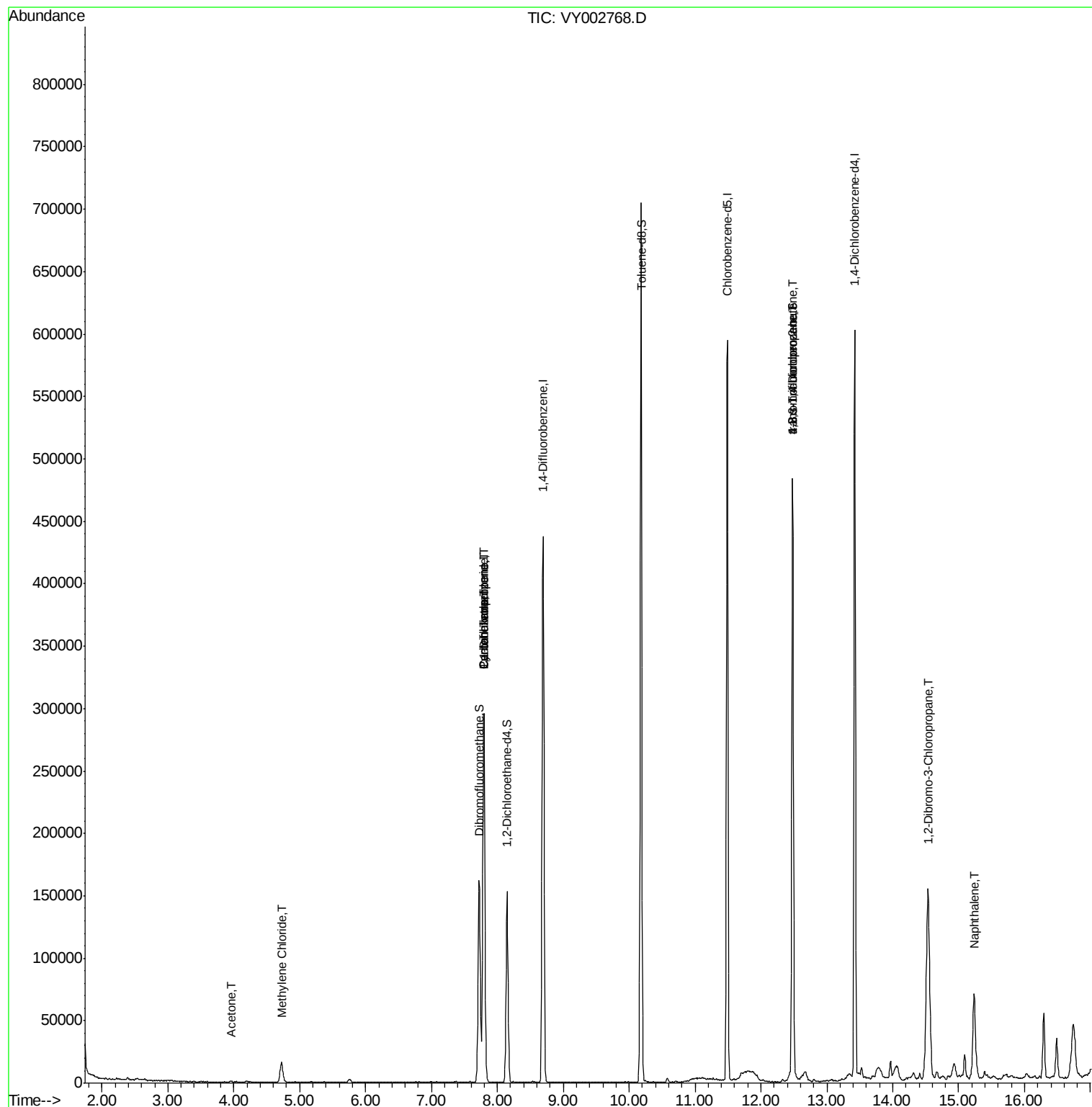
					Qvalue
11) Tert butyl alcohol	4.96	59	237	Below Cal	# 74
16) Acetone	3.96	43	973	1.864	ug/l 91
18) Methyl Acetate	4.49	43	191	Below Cal	# 48
20) Methylene Chloride	4.72	84	12452	4.882	ug/l 98
31) Cyclohexane	7.80	56	3809	1.009	ug/l # 1
36) 1,1-Dichloropropene	7.80	75	15813	4.713	ug/l # 49
38) Carbon Tetrachloride	7.79	117	22901	6.144	ug/l # 15
76) 1,2,3-Trichloropropane	12.48	75	68085	46.731	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.48	75	68085	88.041	ug/l # 17
92) 1,2-Dibromo-3-Chloropropan	14.54	75	9990	28.561	ug/l # 11
95) Naphthalene	15.23	128	13884	1.982	ug/l # 96

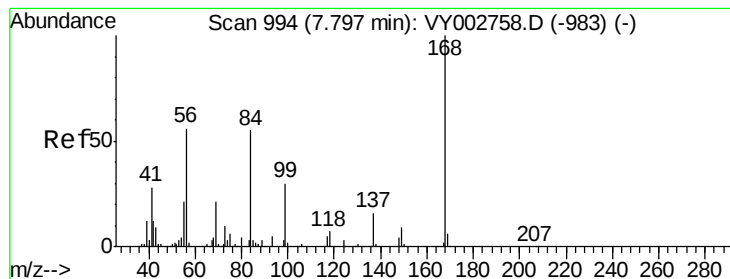
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY002768.D

Acq: 27 May 2020 16:51

Instrument :

MSVOA_Y

ClientSampled :

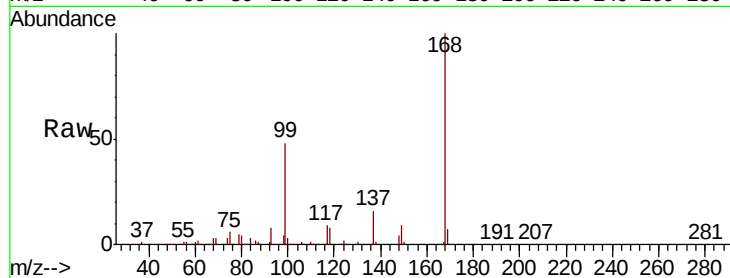
339

Tot Ion:168 Resp: 256358

Ion Ratio Lower Upper

168 100

99 48.2 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) (-)

7.79

120000

100000

80000

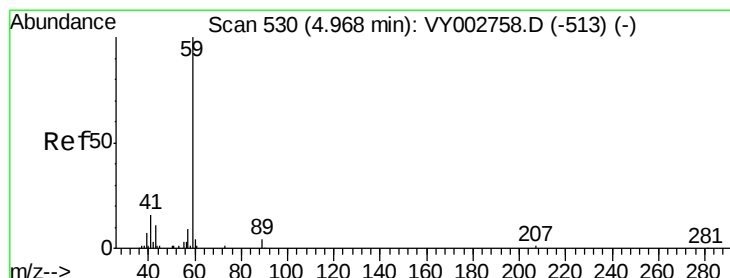
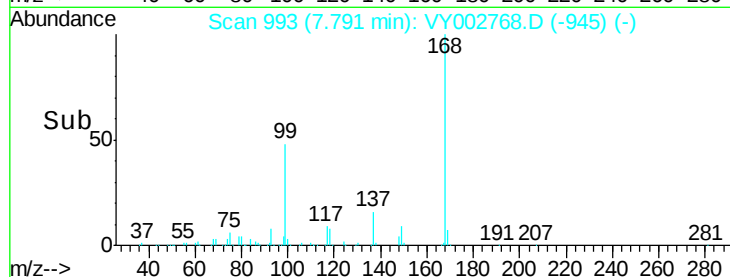
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY002768.D

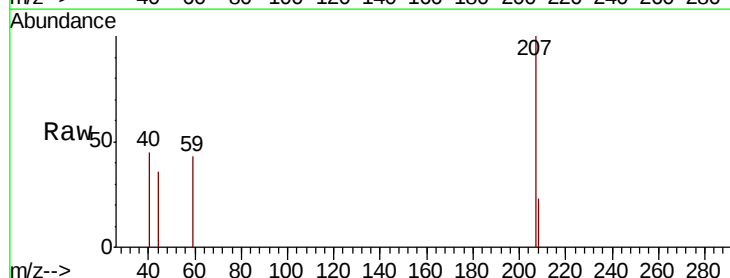
Acq: 27 May 2020 16:51

Tgt Ion: 59 Resp: 237

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

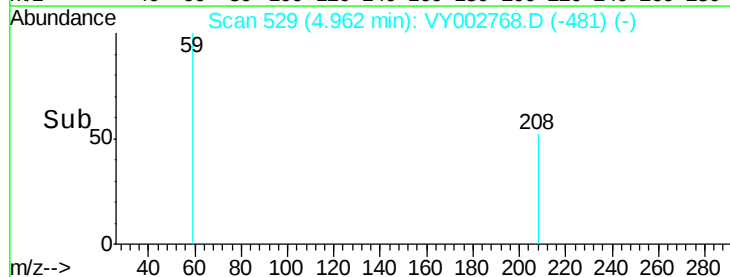
150

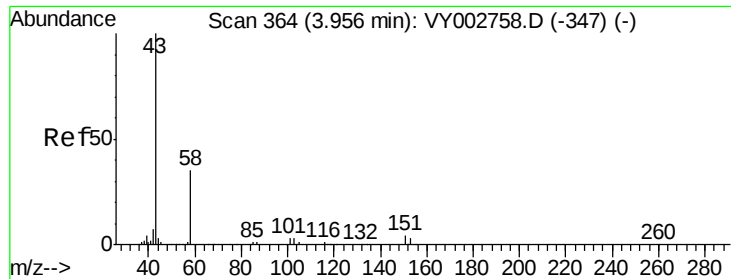
100

50

0

Time-->





#16

Acetone

Concen: 1.864 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY002768.D

Acq: 27 May 2020 16:51

Instrument :

MSVOA_Y

ClientSampleId :

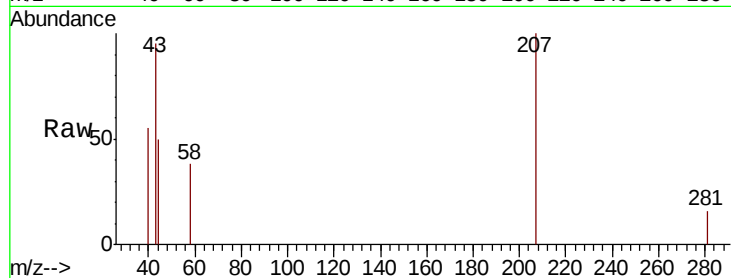
339

Tot Ion: 43 Resp: 973

Ion Ratio Lower Upper

43 100

58 39.9 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

400

300

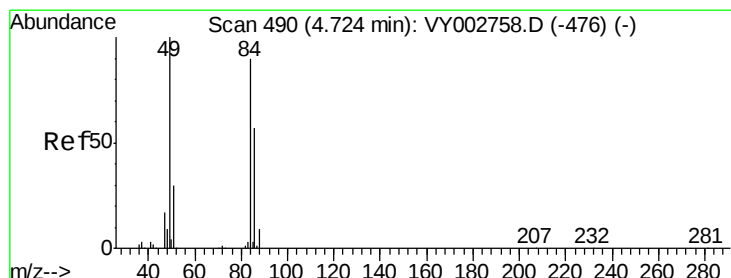
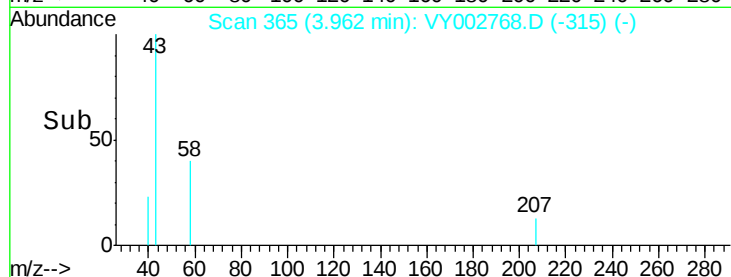
200

100

0

3.90 3.95 4.00

Time-->



#20

Methylene Chloride

Concen: 4.882 ug/l

RT: 4.72 min Scan# 490

Delta R.T. -0.00 min

Lab File: VY002768.D

Acq: 27 May 2020 16:51

Tgt Ion: 84 Resp: 12452

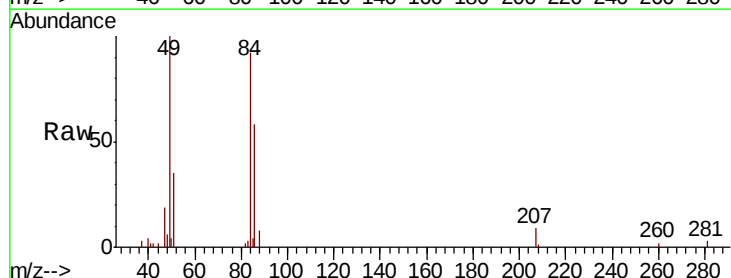
Ion Ratio Lower Upper

84 100

49 108.8 88.5 132.7

51 37.6 26.8 40.2

86 63.2 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

4.72

6000

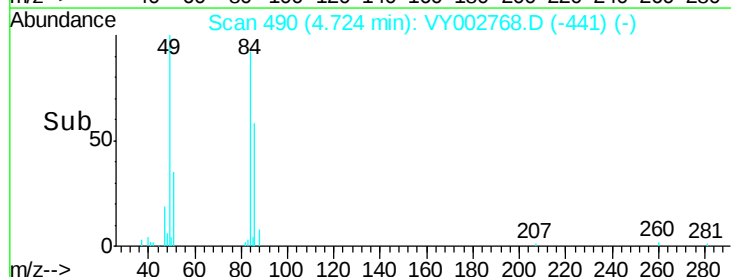
4000

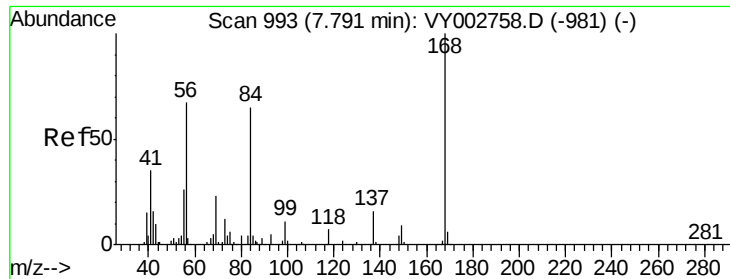
2000

0

4.60 4.70 4.80

Time-->

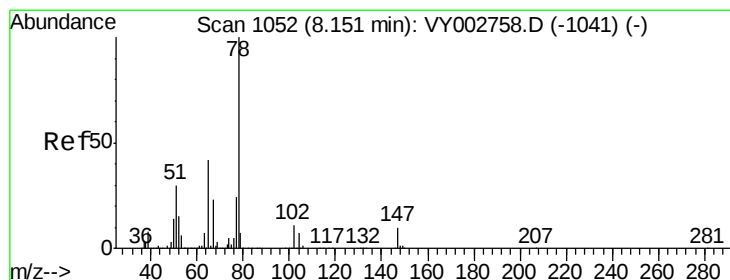
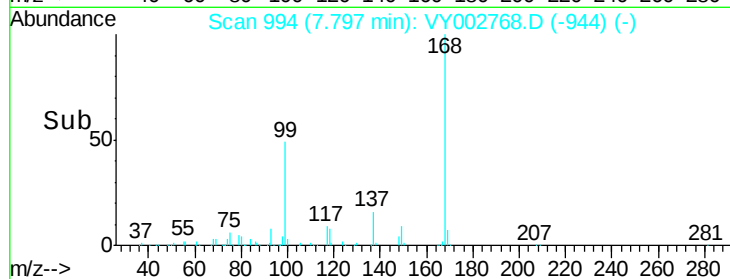
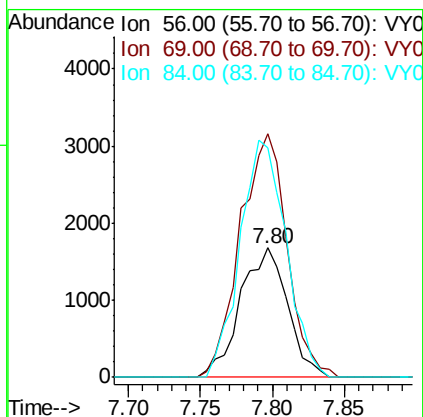
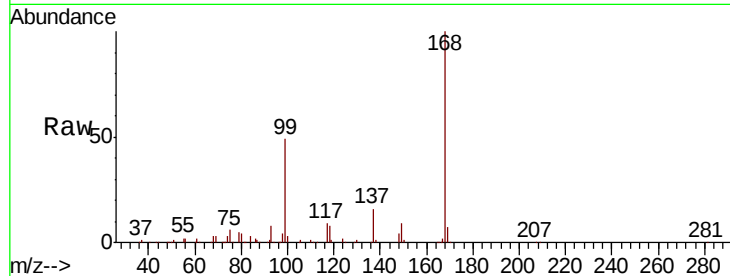




#31
Cvclohexane
Concen: 1.009 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY002768.D
Acq: 27 May 2020 16:51

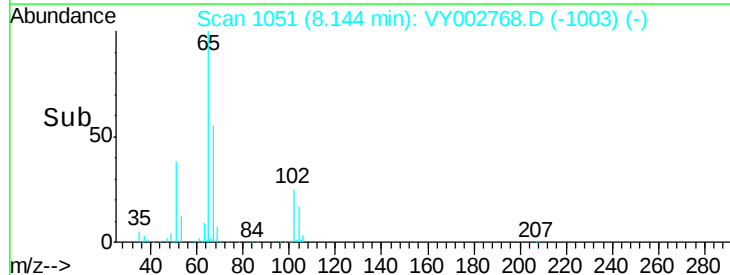
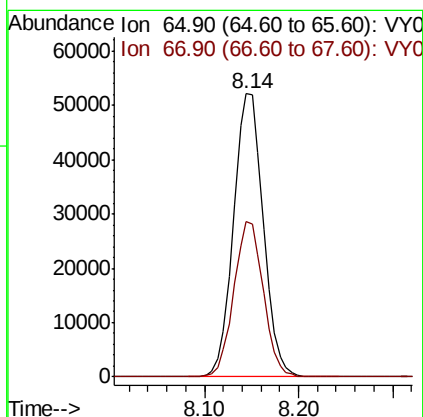
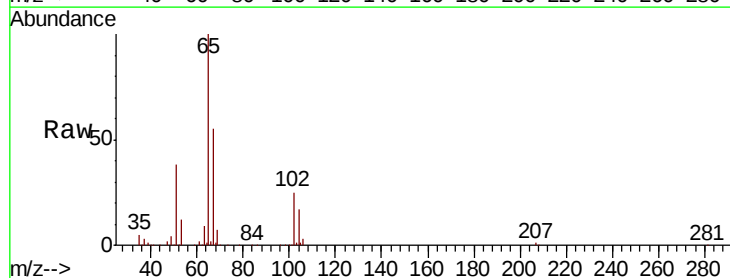
Instrument :
MSVOA_Y
ClientSampled :
339

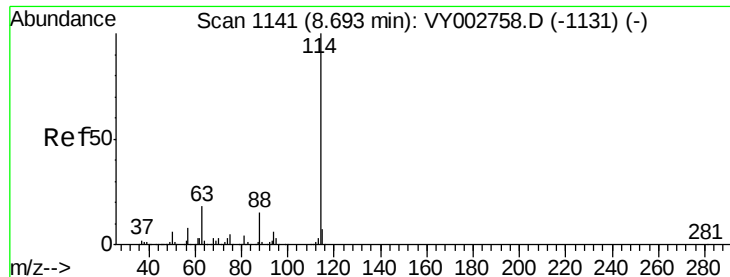
Tot Ion: 56 Resp: 3809
Ion Ratio Lower Upper
56 100
69 188.1 28.0 42.0#
84 177.5 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 51.571 ug/l
RT: 8.14 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VY002768.D
Acq: 27 May 2020 16:51

Tgt Ion: 65 Resp: 114793
Ion Ratio Lower Upper
65 100
67 54.5 0.0 111.0

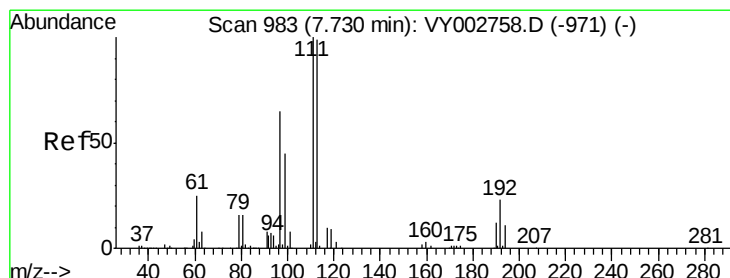
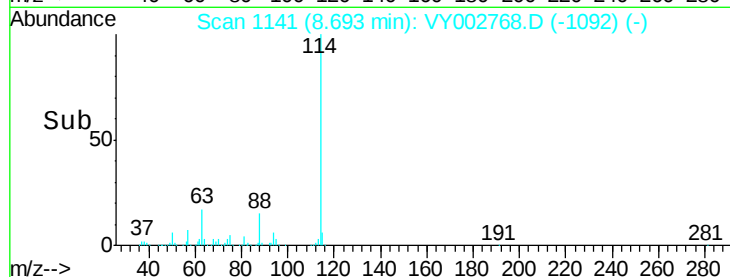
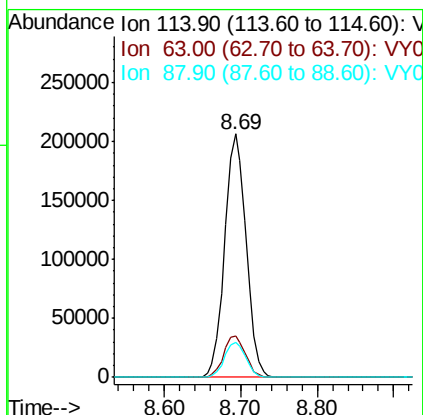
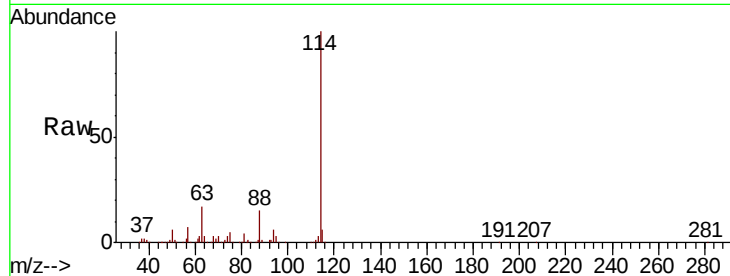




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY002768.D
 Acq: 27 May 2020 16:51

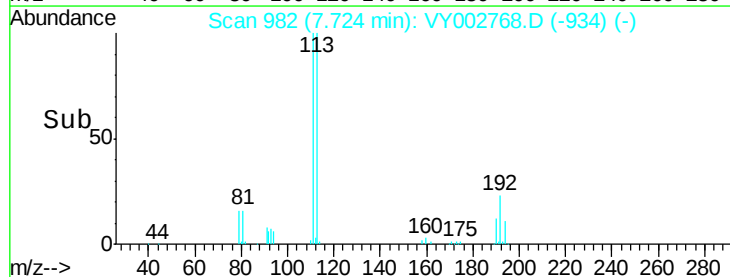
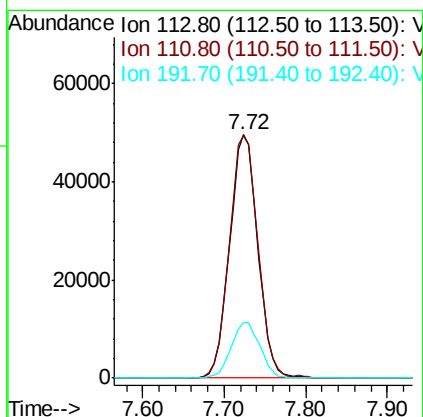
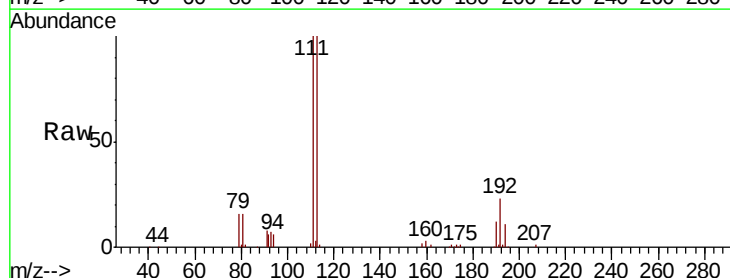
Instrument :
 MSVOA_Y
 ClientSampleId :
 339

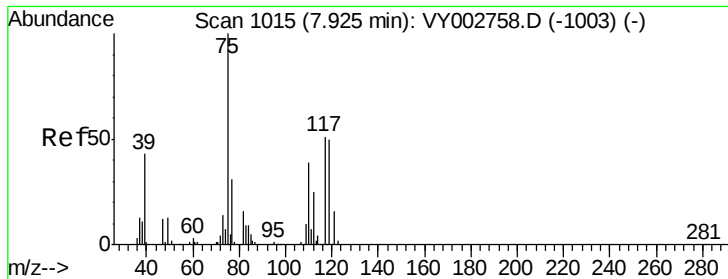
Tot Ion:114 Resp: 398339
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 35.2
 88 14.5 0.0 29.2



#35
 Dibromofluoromethane
 Concen: 50.202 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002768.D
 Acq: 27 May 2020 16:51

Tgt Ion:113 Resp: 117194
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.0 123.0
 192 23.5 18.9 28.3

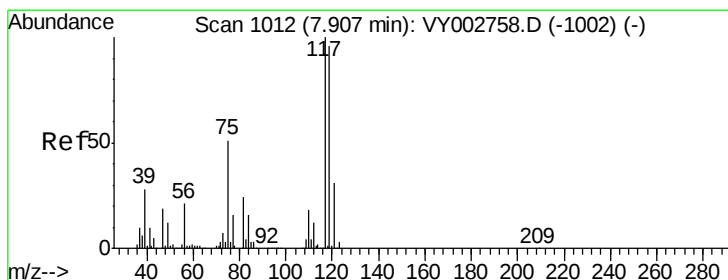
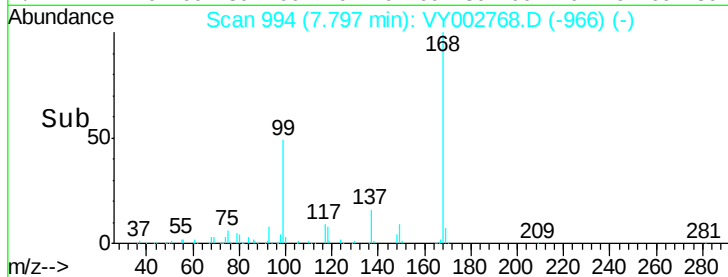
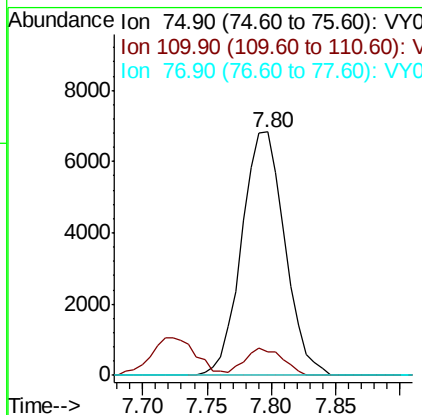
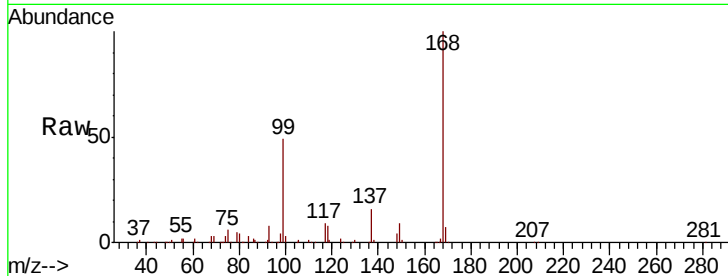




#36
 1,1-Dichloropropene
 Concen: 4.713 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002768.D
 Acq: 27 May 2020 16:51

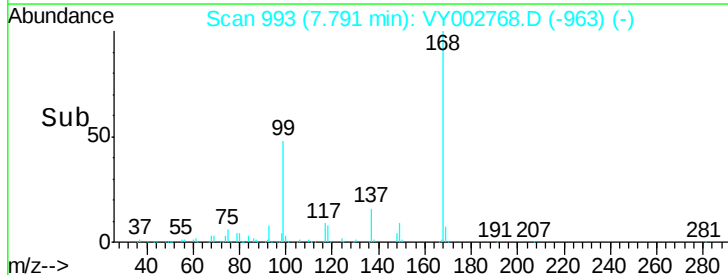
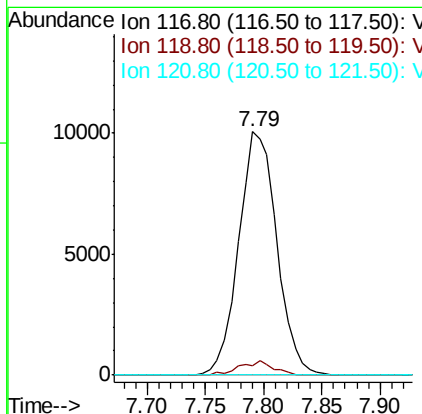
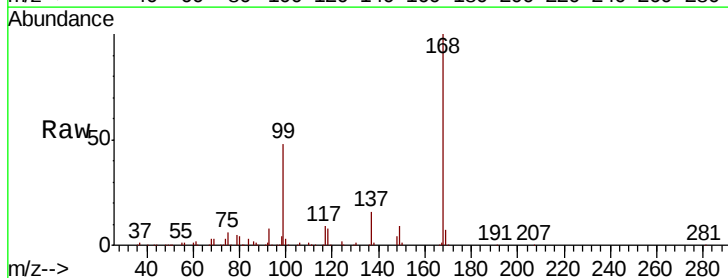
Instrument :
 MSVOA_Y
 ClientSampleId :
 339

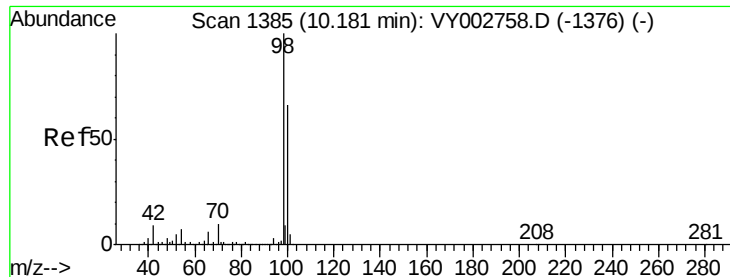
Tot Ion	75	Resp	15813
Ion Ratio	Lower	Upper	
75	100		
110	9.7	19.3	57.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.144 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VY002768.D
 Acq: 27 May 2020 16:51

Tgt Ion	117	Resp	22901
Ion Ratio	Lower	Upper	
117	100		
119	4.0	76.8	115.2#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 49.025 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY002768.D

Acq: 27 May 2020 16:51

Instrument :

MSVOA_Y

ClientSampleId :

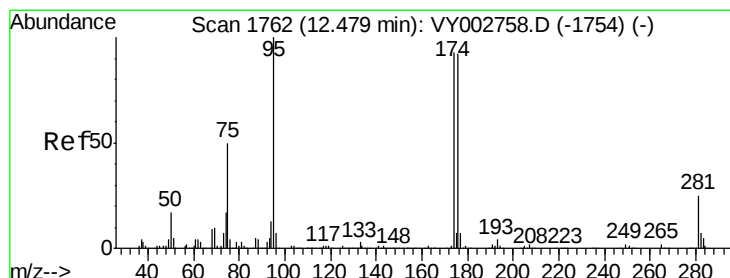
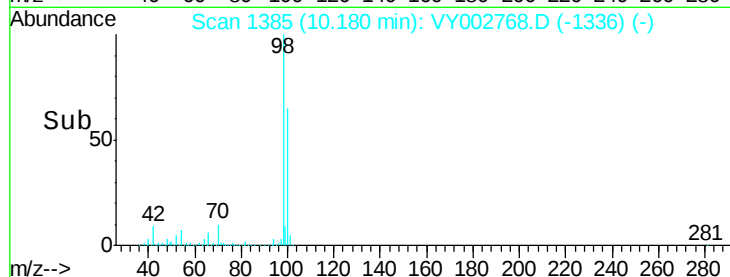
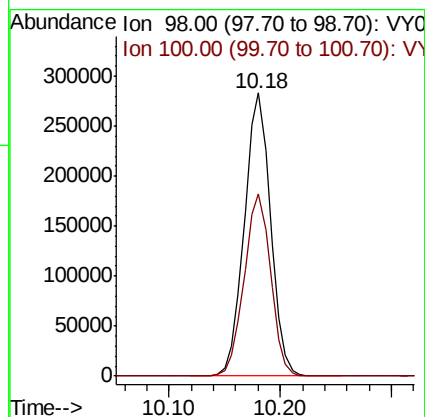
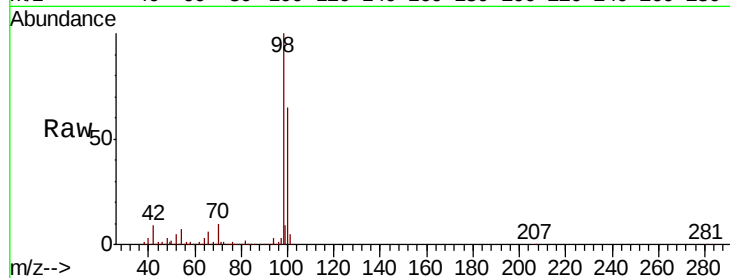
339

Tot Ion: 98 Resp: 462737

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 44.200 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY002768.D

Acq: 27 May 2020 16:51

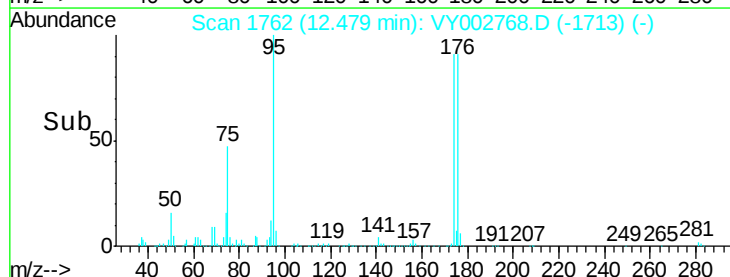
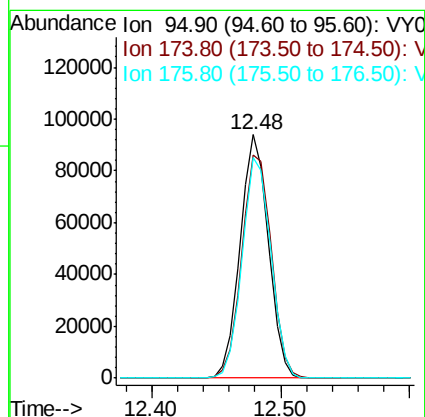
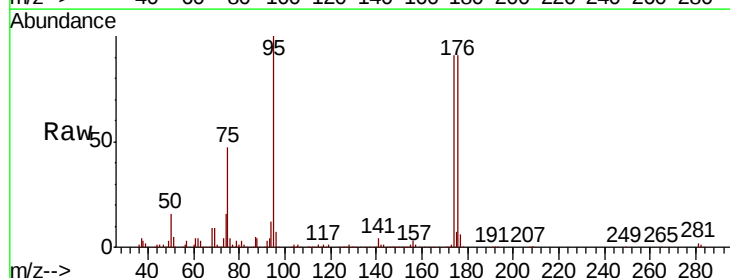
Tgt Ion: 95 Resp: 142577

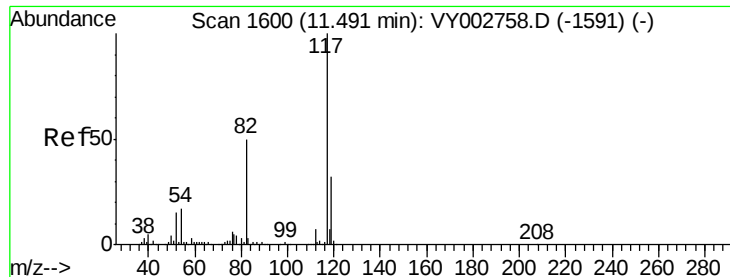
Ion Ratio Lower Upper

95 100

174 95.3 0.0 191.2

176 91.9 0.0 188.8

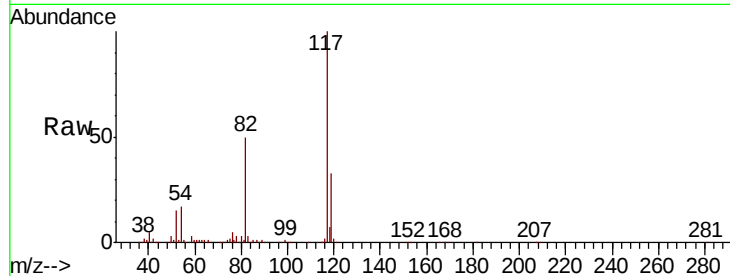




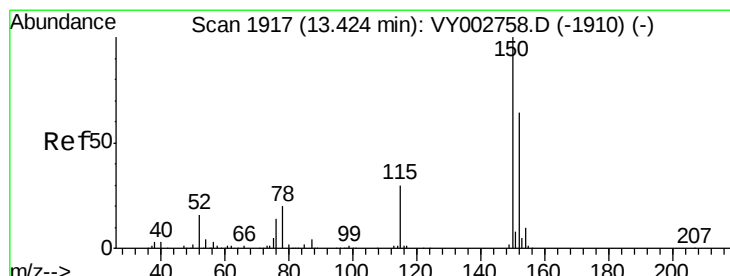
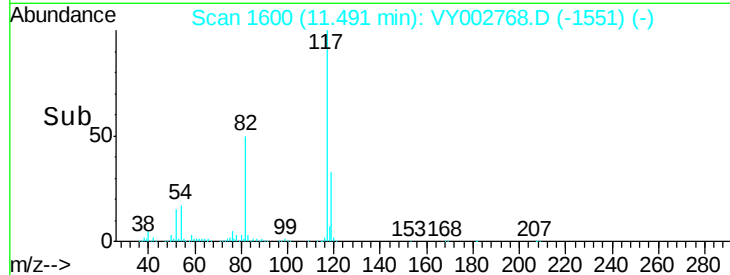
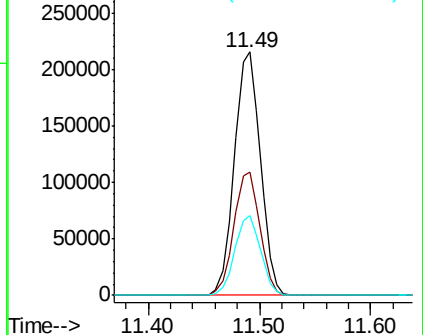
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002768.D
Acq: 27 May 2020 16:51

Instrument :
MSVOA_Y
ClientSampleId :
339

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.4	40.2	60.4
119	32.7	25.8	38.8

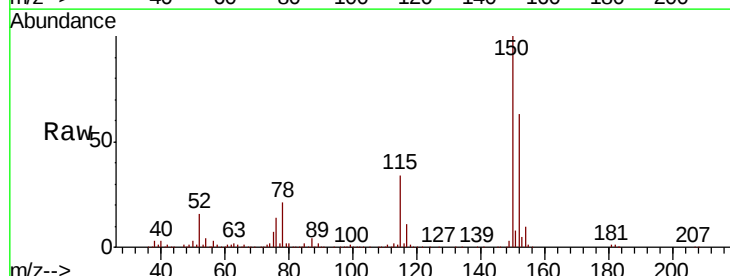


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

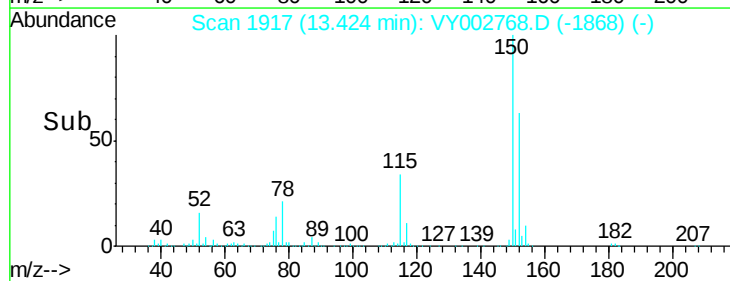
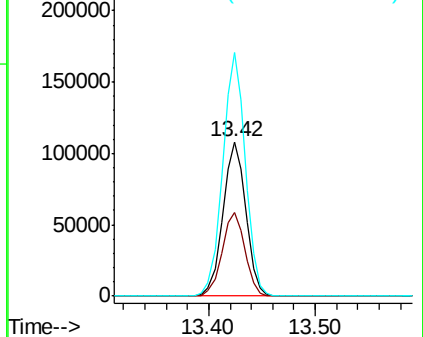


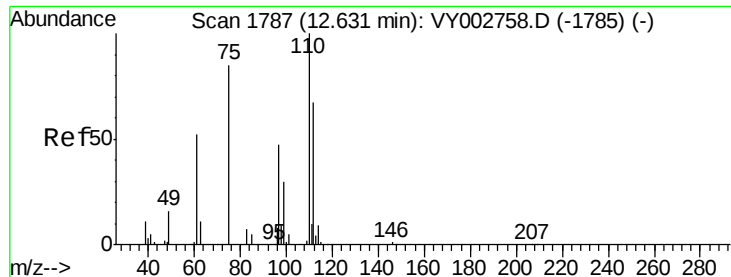
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY002768.D
Acq: 27 May 2020 16:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	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: 46.731 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002768.D

Acq: 27 May 2020 16:51

Instrument :

MSVOA_Y

ClientSampleId :

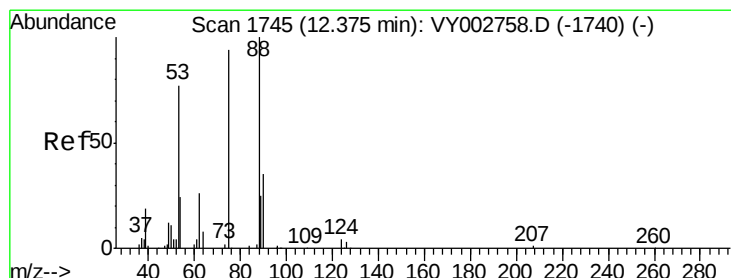
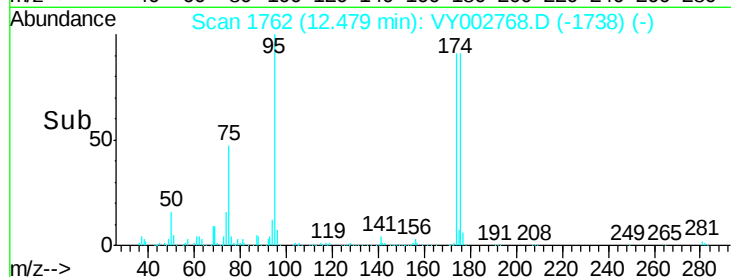
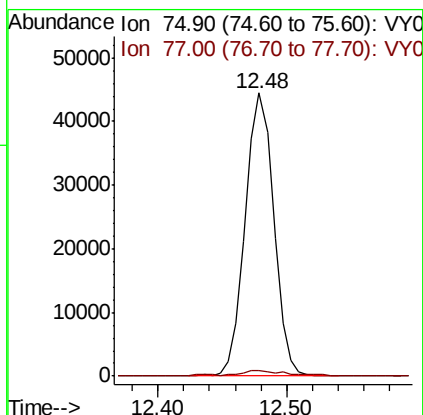
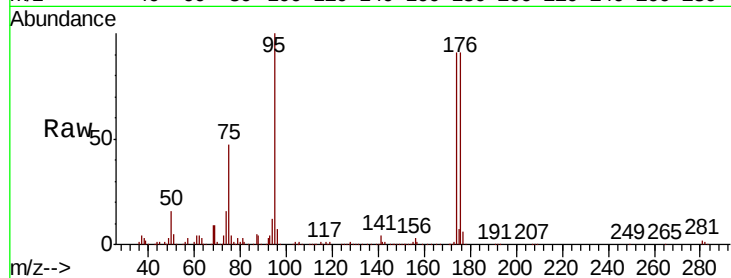
339

Tot Ion: 75 Resp: 68085

Ion Ratio Lower Upper

75 100

77 3.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 88.041 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002768.D

Acq: 27 May 2020 16:51

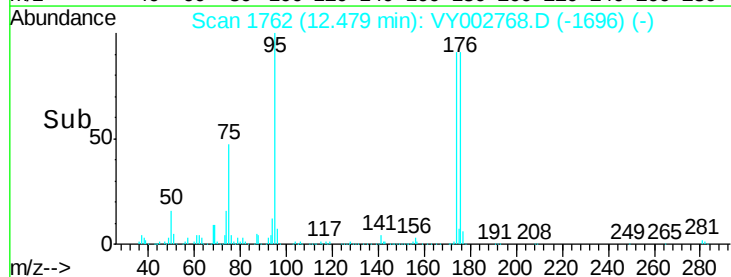
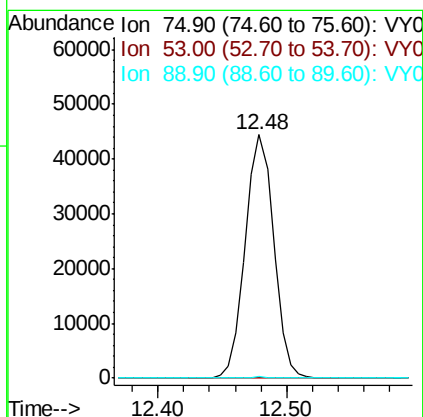
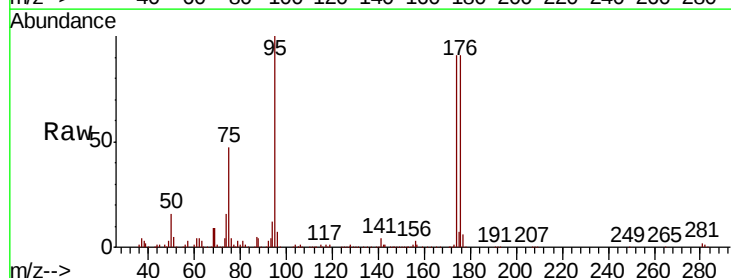
Tgt Ion: 75 Resp: 68085

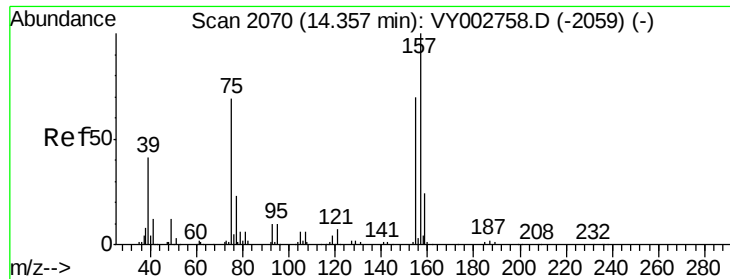
Ion Ratio Lower Upper

75 100

53 0.0 64.0 96.0#

89 0.4 37.4 56.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 28.561 ug/l

RT: 14.54 min Scan# 2100

Delta R.T. 0.18 min

Lab File: VY002768.D

Acq: 27 May 2020 16:51

Instrument :

MSVOA_Y

ClientSampleId :

339

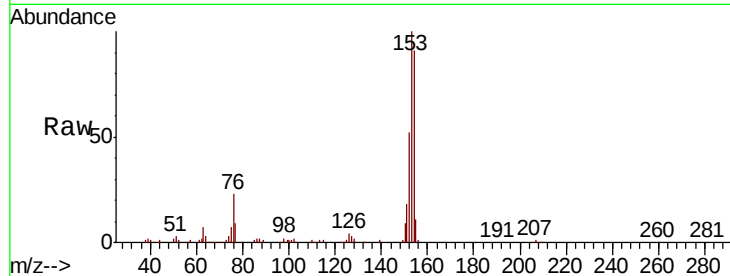
Tot Ion: 75 Resp: 9990

Ion Ratio Lower Upper

75 100

155 163.8 53.5 160.5#

157 0.0 69.9 209.7#

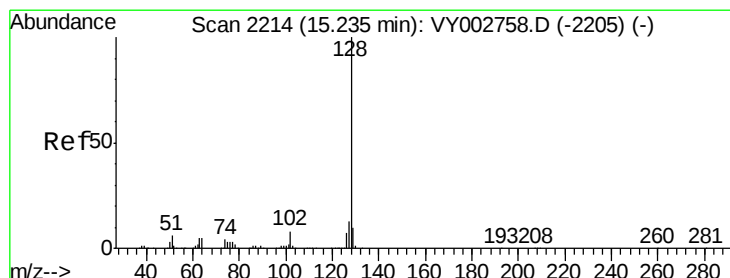
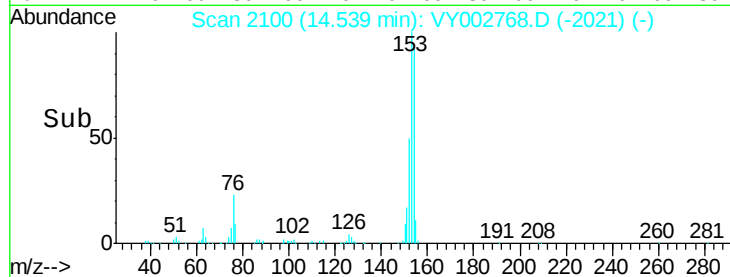


Abundance Ion 74.90 (74.60 to 75.60): VY002758.D (-2059) (-)

Ion 154.80 (154.50 to 155.50): VY002758.D (-2059) (-)

Ion 156.80 (156.50 to 157.50): VY002758.D (-2059) (-)

Time-->



#95

Naphthalene

Concen: 1.982 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY002768.D

Acq: 27 May 2020 16:51

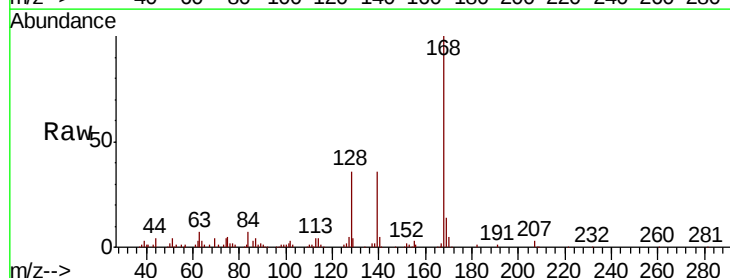
Tgt Ion: 128 Resp: 13884

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

129 13.4 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): VY002758.D (-2205) (-)

Ion 127.00 (126.70 to 127.70): VY002758.D (-2205) (-)

Ion 129.00 (128.70 to 129.70): VY002758.D (-2205) (-)

Time-->

