

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
 Data File : VY002767.D
 Acq On : 27 May 2020 16:26
 Operator : SY/MD
 Sample : L2776-03
 Misc : 7.27G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 225

Quant Time: May 28 04:43:56 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	256880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	408635	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	375908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	181559	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	121043	54.27	ug/l	0.00
Spiked Amount			Recovery	=	108.54%	
35) Dibromofluoromethane	7.72	113	121566	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
50) Toluene-d8	10.18	98	473937	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
62) 4-Bromofluorobenzene	12.48	95	159231	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	

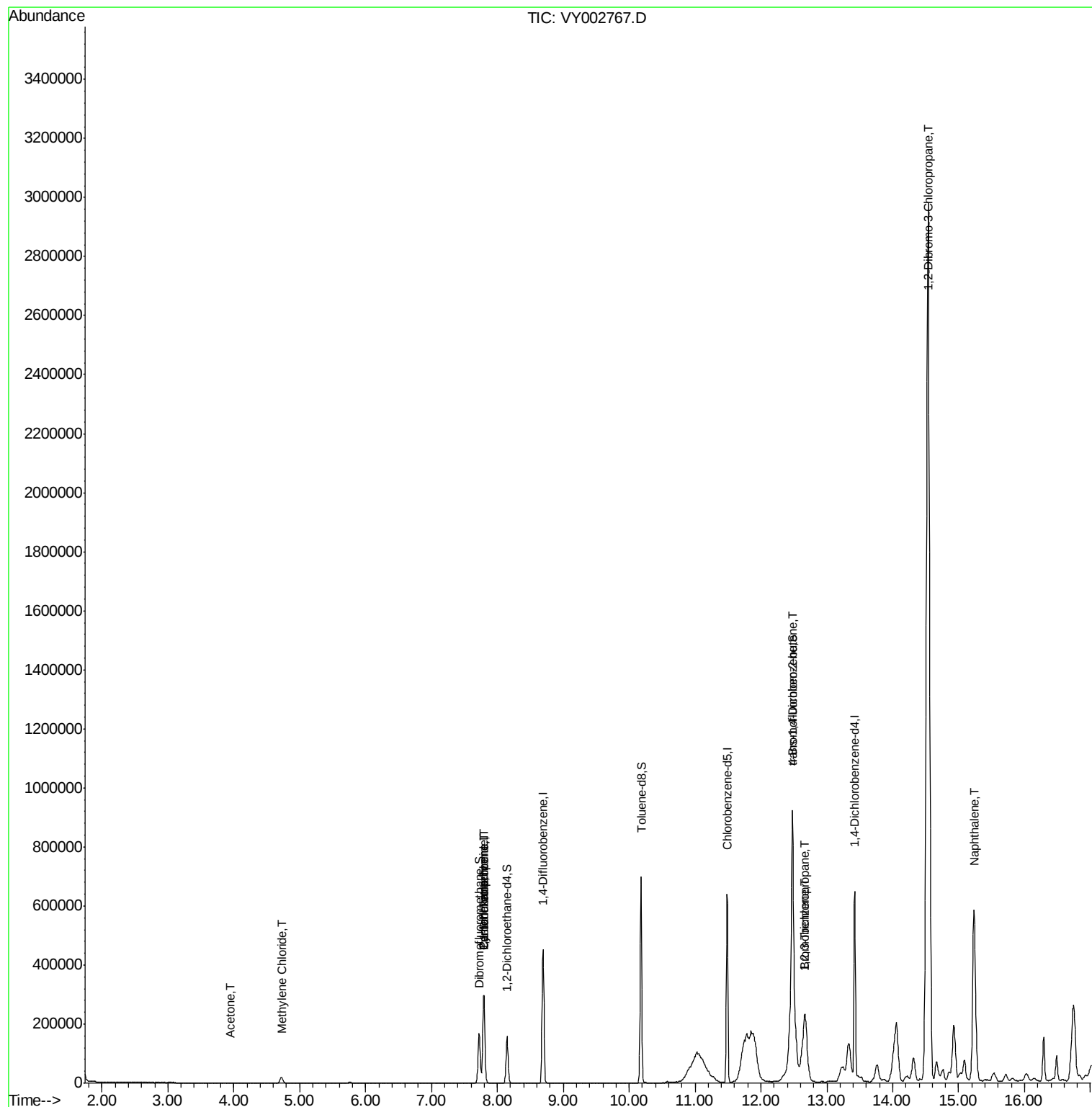
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.95	59	35	Below Cal	#	74
16) Acetone	3.96	43	572	1.094	ug/l #	82
18) Methyl Acetate	4.49	43	484	Below Cal	#	56
20) Methylene Chloride	4.72	84	15527	6.075	ug/l	89
31) Cyclohexane	7.79	56	3841	1.015	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	15658	4.549	ug/l #	50
38) Carbon Tetrachloride	7.80	117	22900	5.989	ug/l #	16
76) 1,2,3-Trichloropropane	12.66	75	8155	4.985	ug/l #	100
77) Bromobenzene	12.67	156	295655	97.589	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	94220	108.505	ug/l #	25
92) 1,2-Dibromo-3-Chloropropan	14.53	75	176518	449.434	ug/l #	5
95) Naphthalene	15.23	128	37345	4.748	ug/l #	83

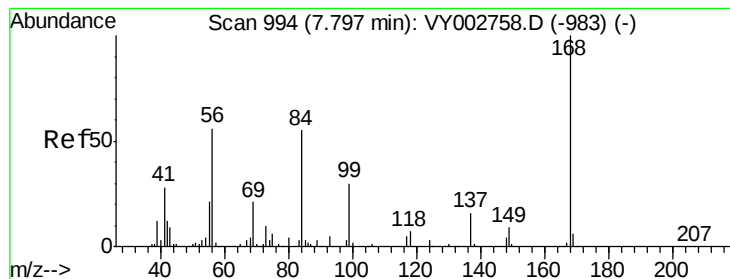
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY002767.D

Acq: 27 May 2020 16:26

Instrument :

MSVOA_Y

ClientSampleId :

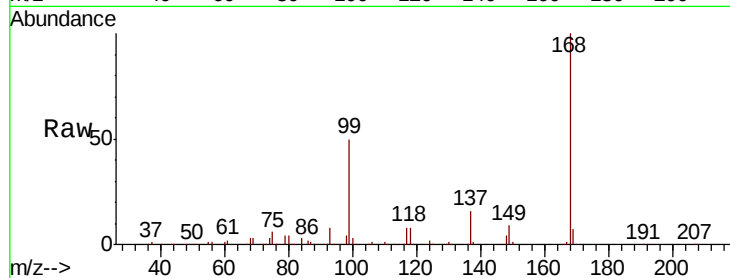
225

Tot Ion:168 Resp: 256880

Ion Ratio Lower Upper

168 100

99 49.8 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

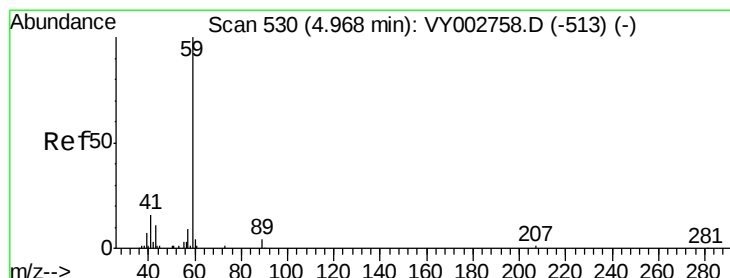
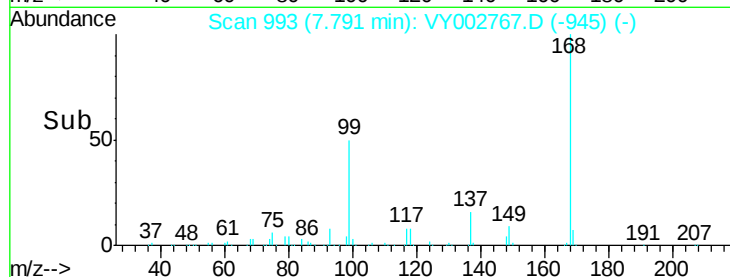
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.95 min Scan# 527

Delta R.T. -0.02 min

Lab File: VY002767.D

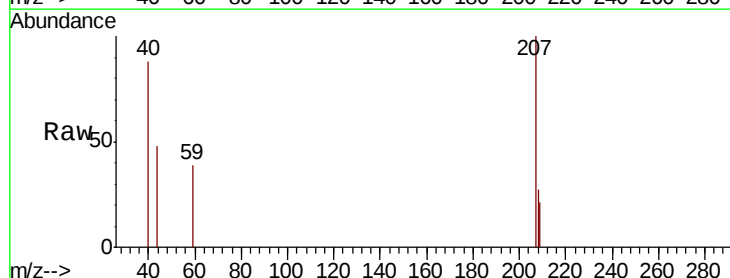
Acq: 27 May 2020 16:26

Tgt Ion: 59 Resp: 35

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

100

80

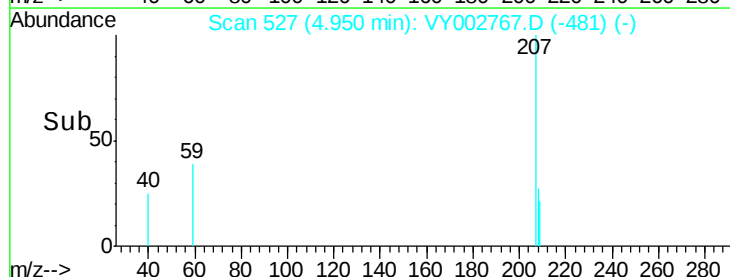
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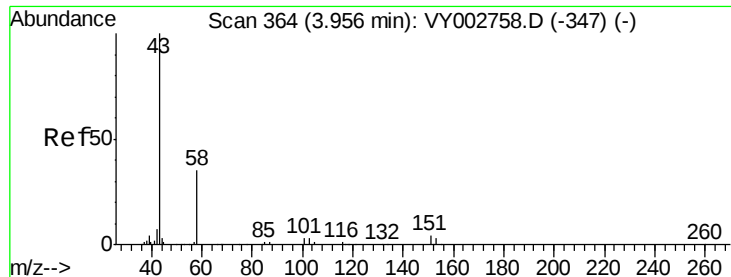
40

20

0

Time-->





#16

Acetone

Concen: 1.094 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY002767.D

Acq: 27 May 2020 16:26

Instrument :

MSVOA_Y

ClientSampled :

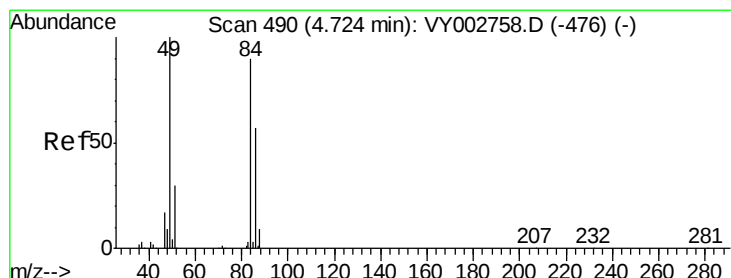
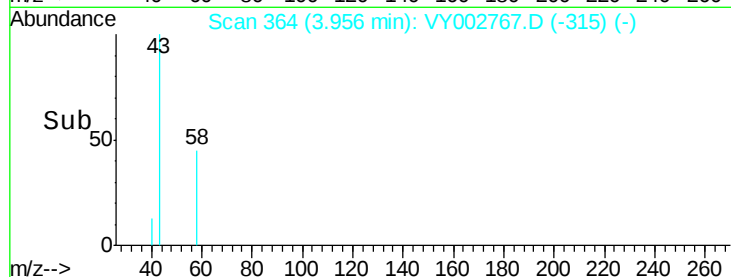
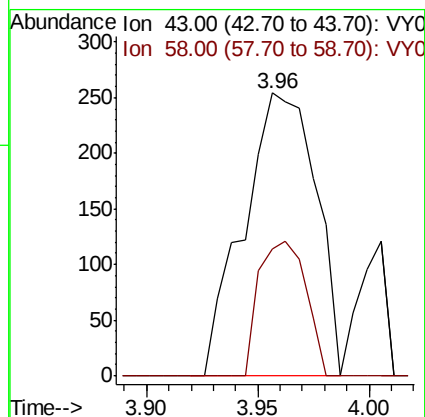
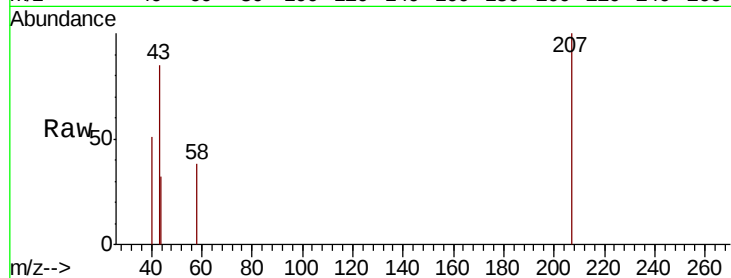
225

Tot Ion: 43 Resp: 572

Ion Ratio Lower Upper

43 100

58 44.9 27.7 41.5#



#20

Methylene Chloride

Concen: 6.075 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY002767.D

Acq: 27 May 2020 16:26

Tgt Ion: 84 Resp: 15527

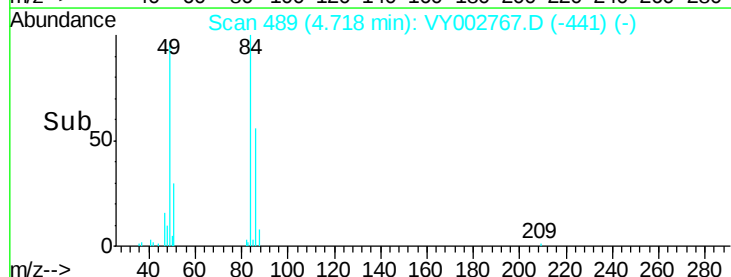
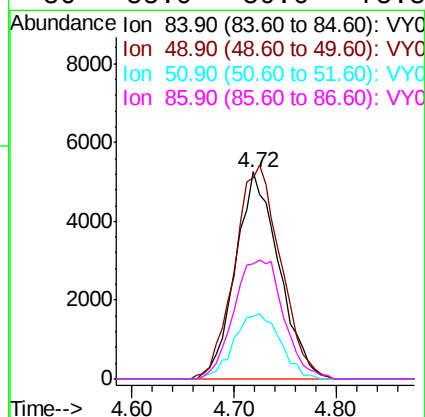
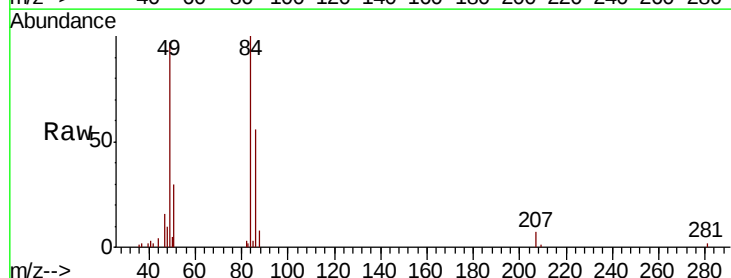
Ion Ratio Lower Upper

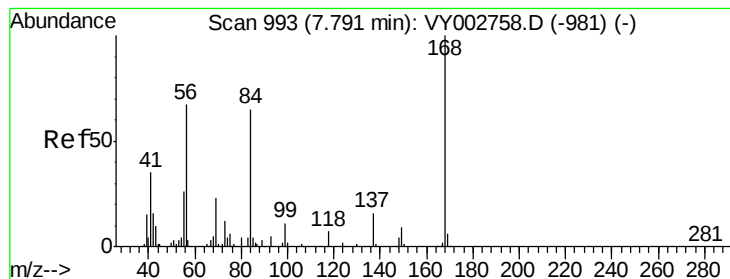
84 100

49 97.0 88.5 132.7

51 30.2 26.8 40.2

86 55.9 50.6 75.8





#31

Cyclohexane

Concen: 1.015 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY002767.D

Acq: 27 May 2020 16:26

Instrument :

MSVOA_Y

ClientSampleId :

225

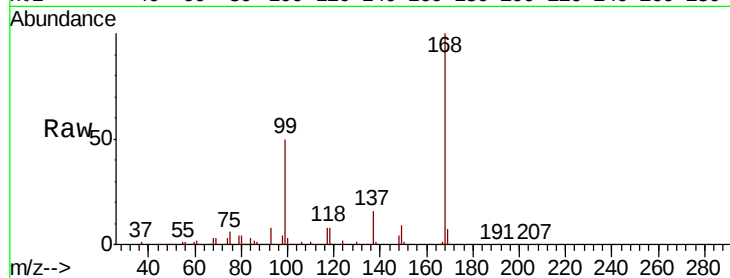
Tot Ion: 56 Resp: 3841

Ion Ratio Lower Upper

56 100

69 195.6 28.0 42.0#

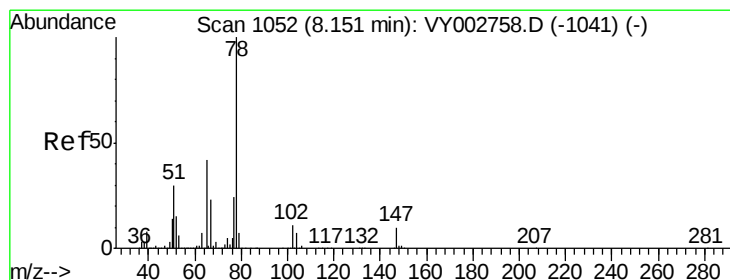
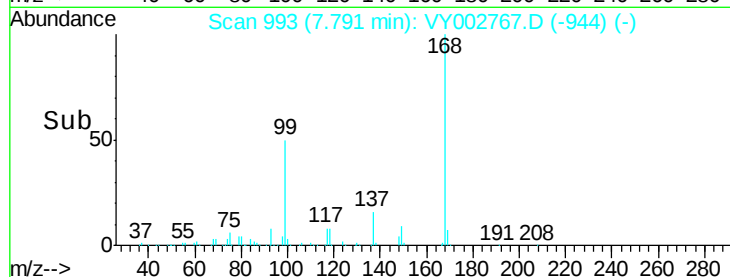
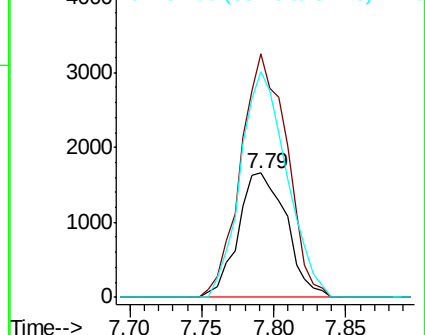
84 181.0 77.7 116.5#



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: 54.269 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY002767.D

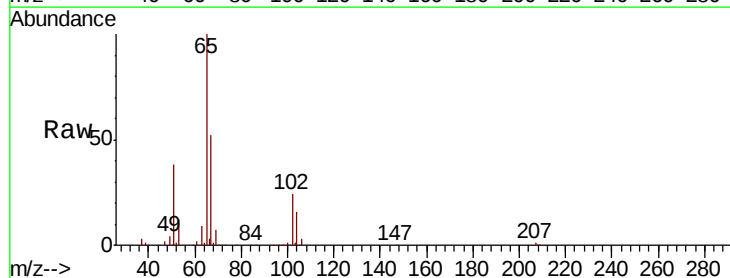
Acq: 27 May 2020 16:26

Tgt Ion: 65 Resp: 121043

Ion Ratio Lower Upper

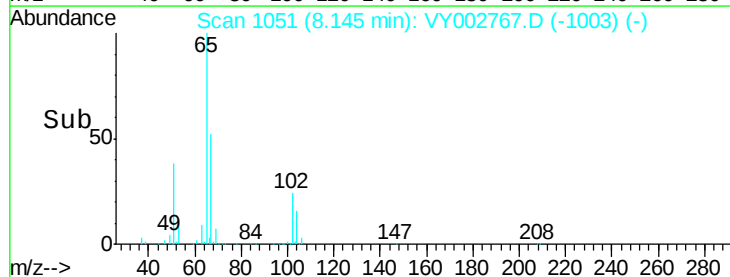
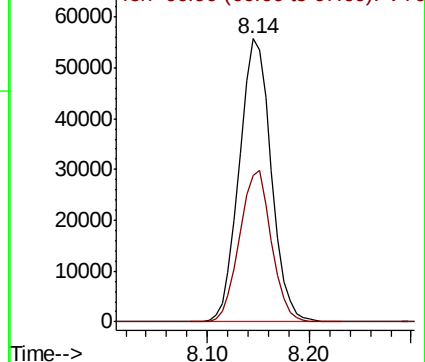
65 100

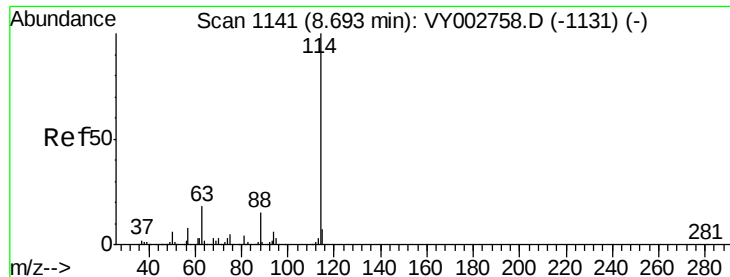
67 53.2 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

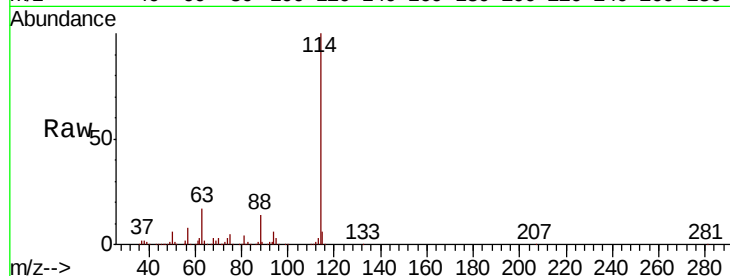




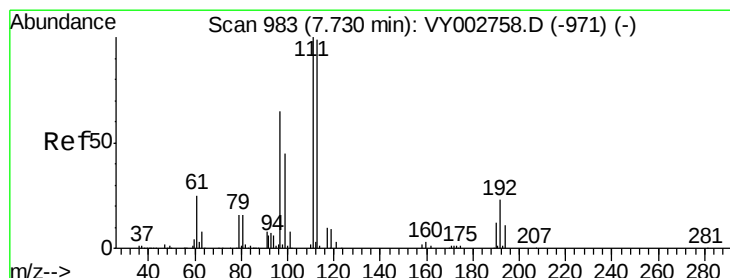
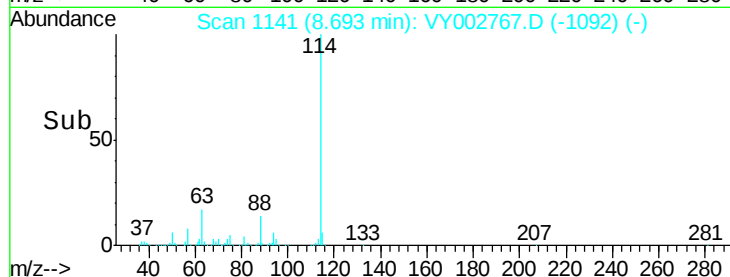
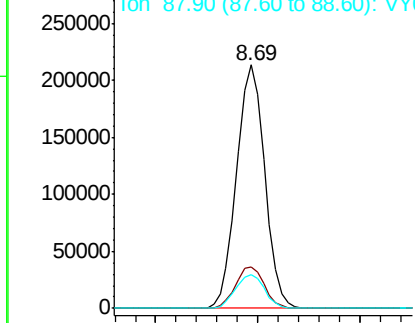
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002767.D
 Acq: 27 May 2020 16:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 225

Tot Ion:114 Resp: 408635
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 35.2
 88 13.7 0.0 29.2

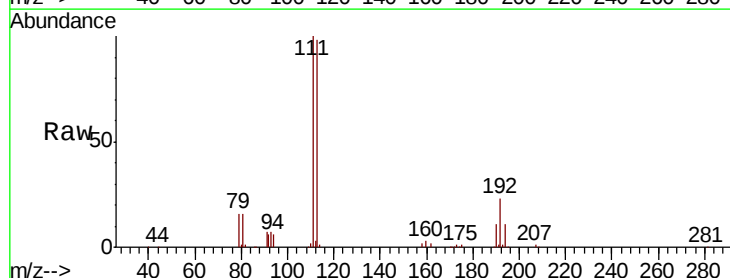


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

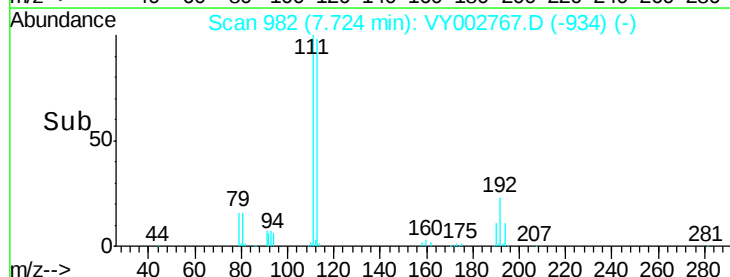
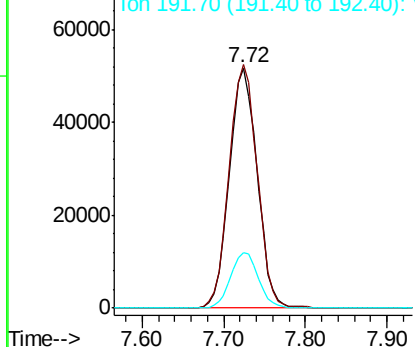


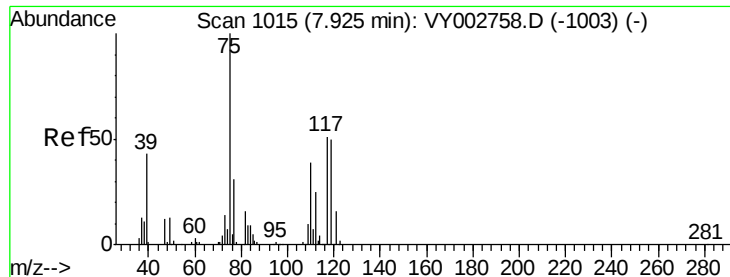
#35
 Dibromofluoromethane
 Concen: 50.762 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002767.D
 Acq: 27 May 2020 16:26

Tgt Ion:113 Resp: 121566
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.0 123.0
 192 23.0 18.9 28.3



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.549 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY002767.D

Acq: 27 May 2020 16:26

Instrument :
MSVOA_Y
ClientSampleId :
225

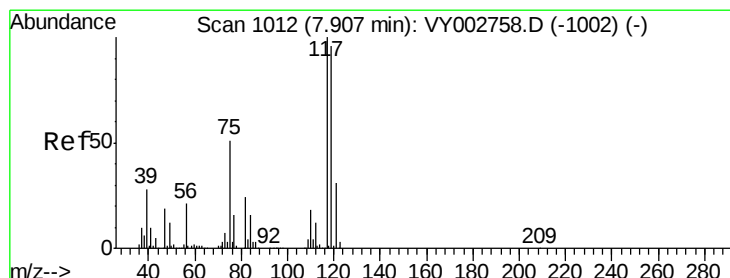
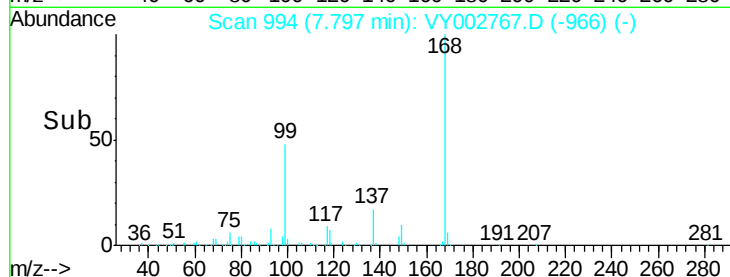
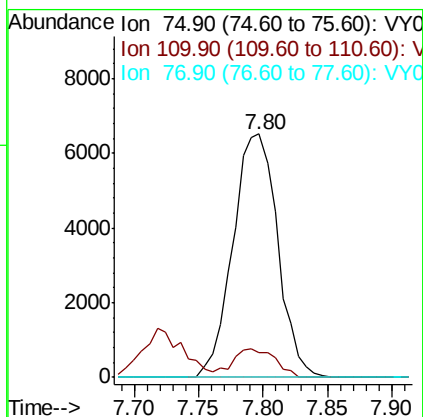
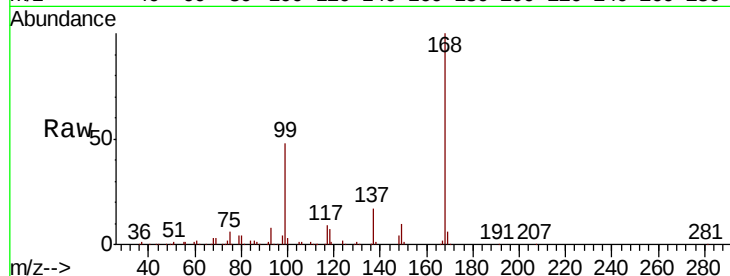
Tot Ion: 75 Resp: 15658

Ion Ratio Lower Upper

75 100

110 11.1 19.3 57.9#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.989 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY002767.D

Acq: 27 May 2020 16:26

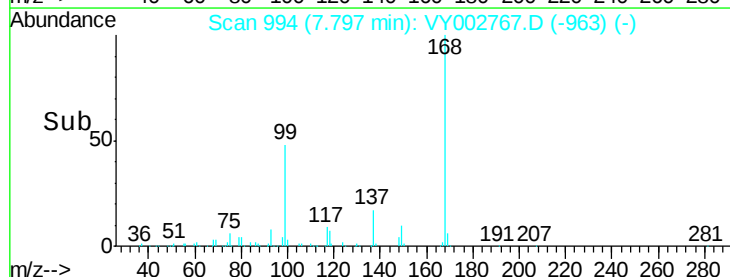
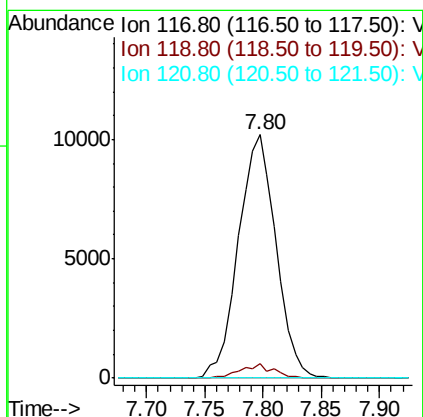
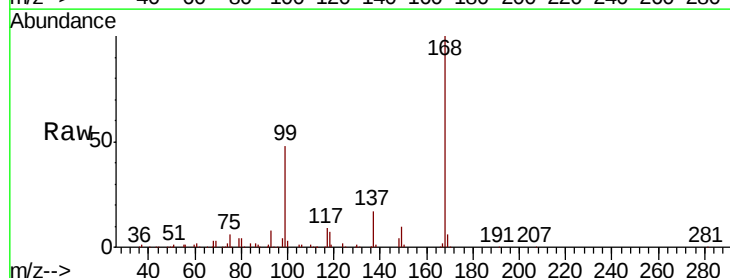
Tgt Ion: 117 Resp: 22900

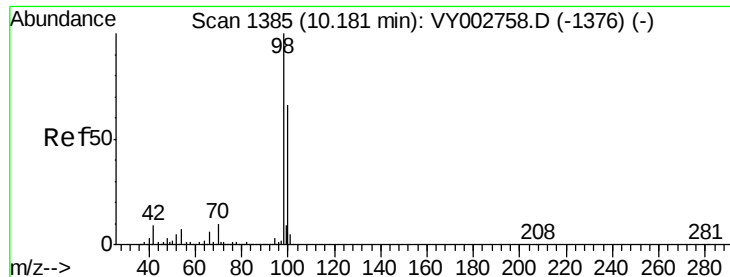
Ion Ratio Lower Upper

117 100

119 5.8 76.8 115.2#

121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 48.946 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002767.D

Acq: 27 May 2020 16:26

Instrument :

MSVOA_Y

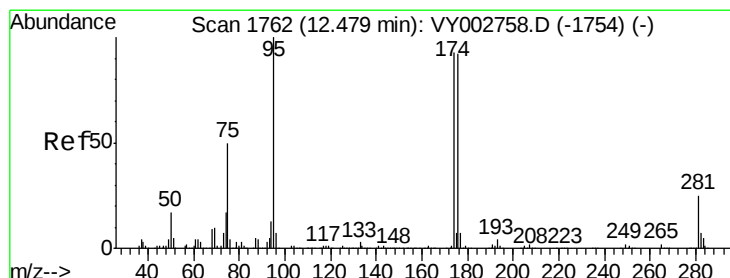
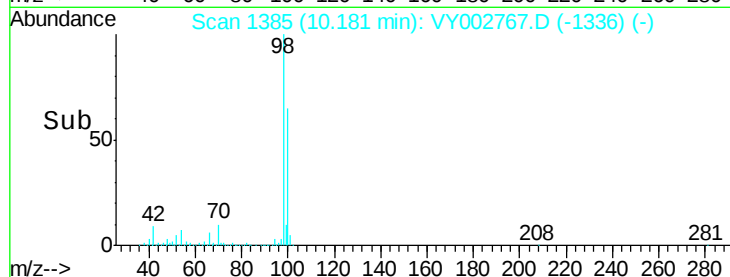
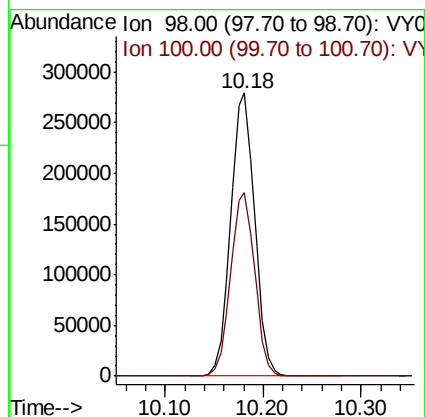
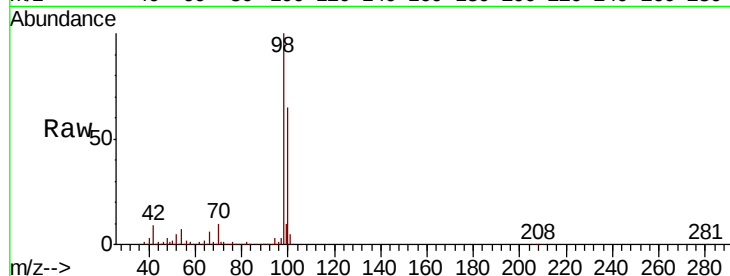
ClientSampleId :
225

Tot Ion: 98 Resp: 473937

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 48.119 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002767.D

Acq: 27 May 2020 16:26

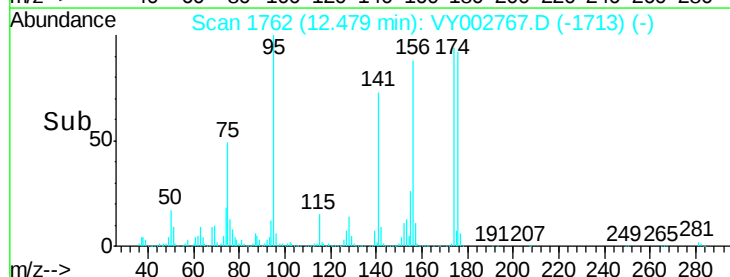
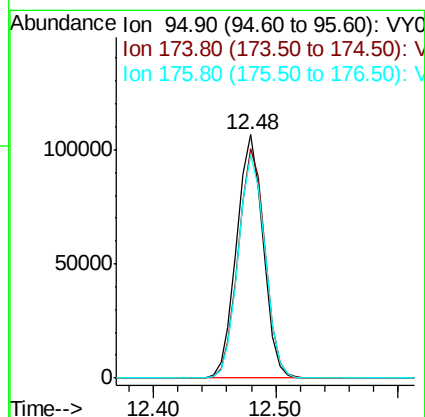
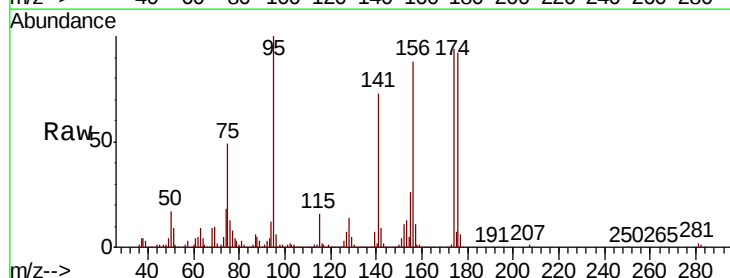
Tgt Ion: 95 Resp: 159231

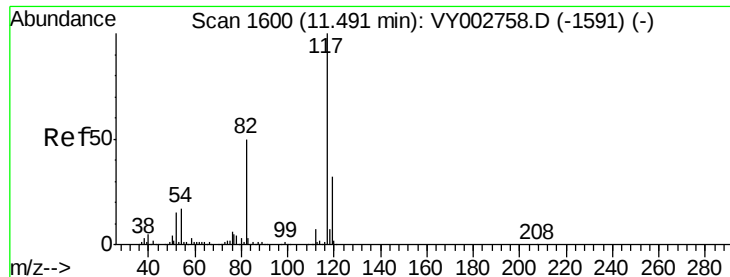
Ion Ratio Lower Upper

95 100

174 95.1 0.0 191.2

176 92.5 0.0 188.8

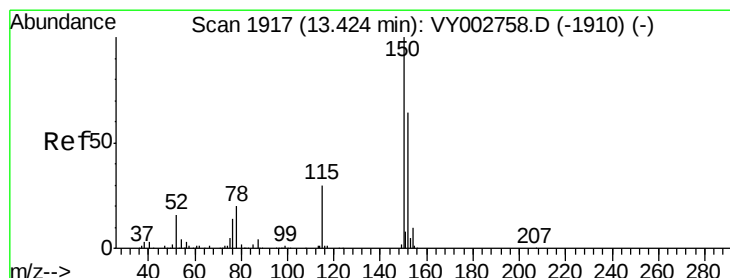
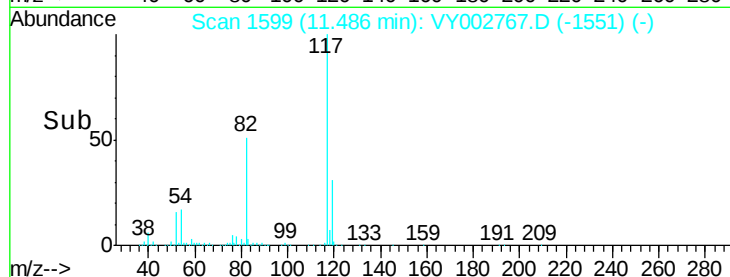
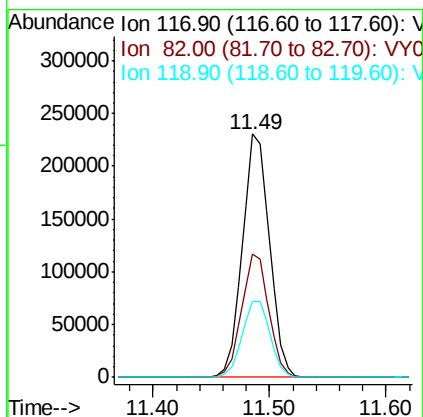
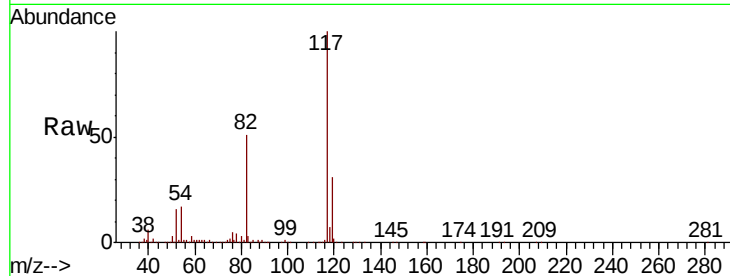




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY002767.D
Acq: 27 May 2020 16:26

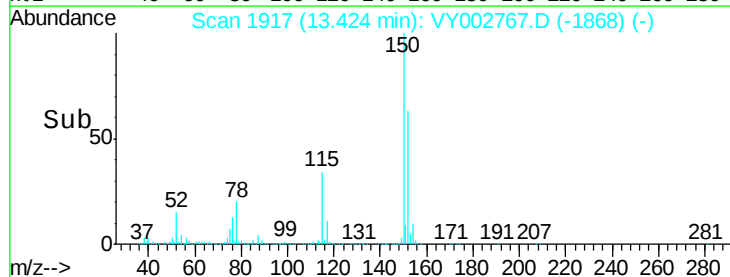
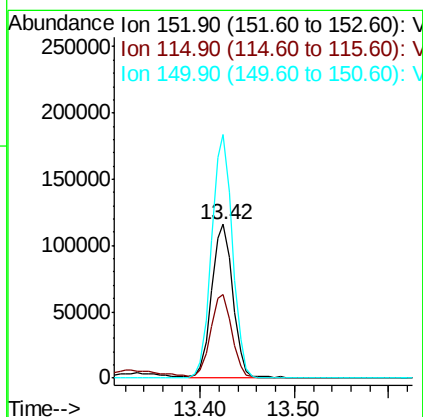
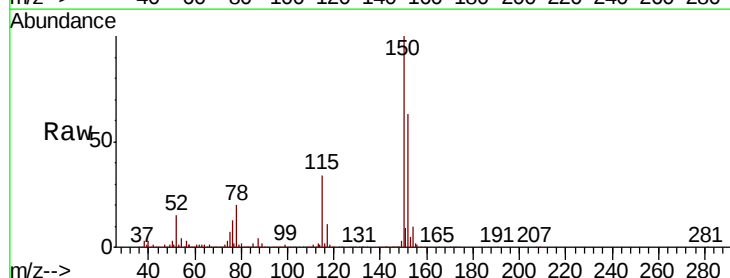
Instrument :
MSVOA_Y
ClientSampleId :
225

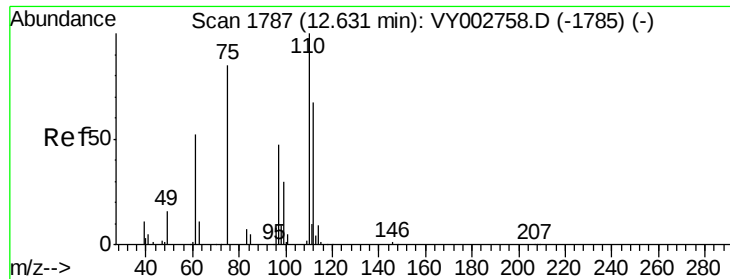
Tot Ion:117 Resp: 375908
Ion Ratio Lower Upper
117 100
82 50.7 40.2 60.4
119 31.2 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002767.D
Acq: 27 May 2020 16:26

Tgt Ion:152 Resp: 181559
Ion Ratio Lower Upper
152 100
115 53.1 27.0 81.0
150 154.2 0.0 344.8

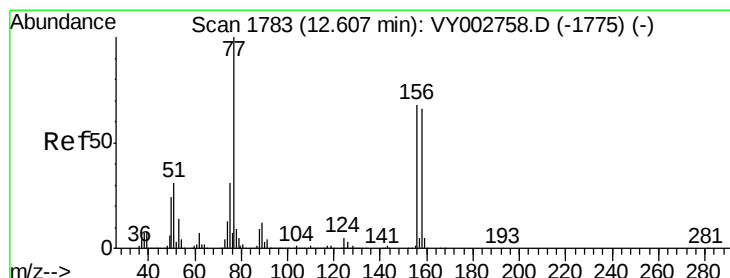
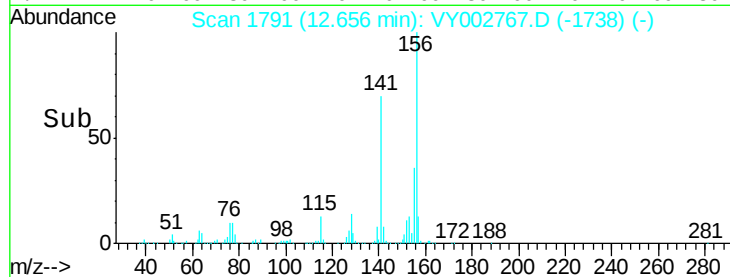
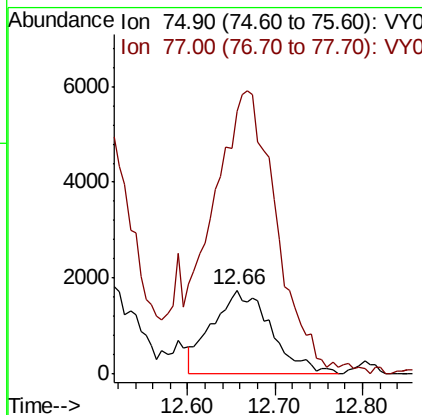
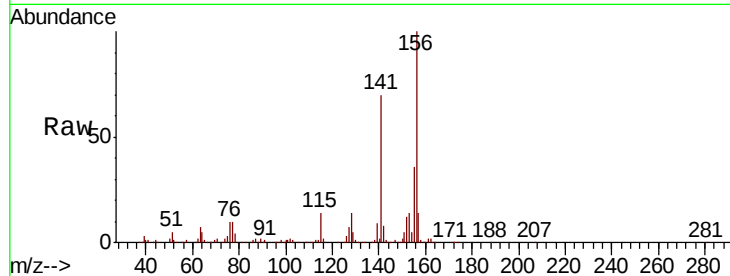




#76
 1,2,3-Trichloropropane
 Concen: 4.985 ug/l
 RT: 12.66 min Scan# 1791
 Delta R.T. 0.02 min
 Lab File: VY002767.D
 Acq: 27 May 2020 16:26

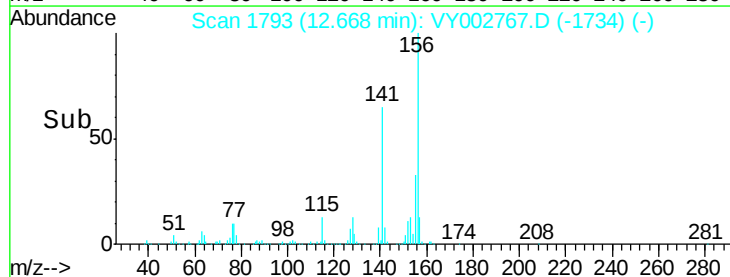
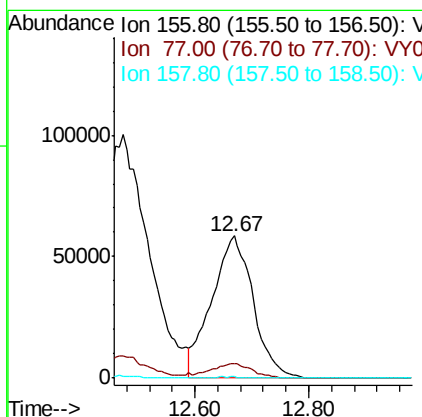
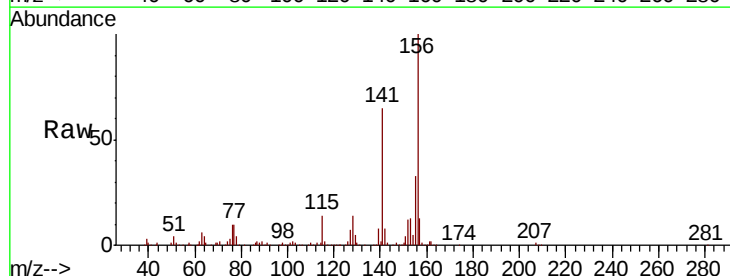
Instrument :
 MSVOA_Y
 ClientSampled :
 225

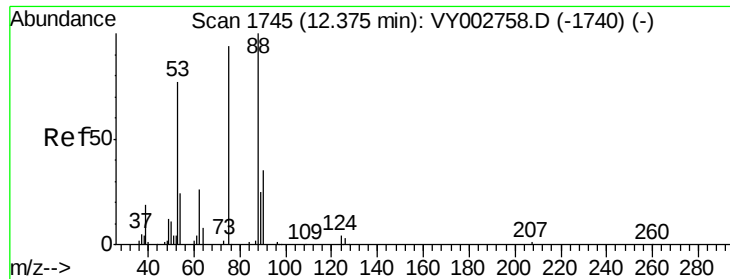
Tot Ion: 75 Resp: 8155
 Ion Ratio Lower Upper
 75 100
 77 364.2 0.0 0.0#



#77
 Bromobenzene
 Concen: 97.589 ug/l
 RT: 12.67 min Scan# 1793
 Delta R.T. 0.06 min
 Lab File: VY002767.D
 Acq: 27 May 2020 16:26

Tgt Ion: 156 Resp: 295655
 Ion Ratio Lower Upper
 156 100
 77 10.0 81.4 244.2#
 158 0.0 48.5 145.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 108.505 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002767.D

Acq: 27 May 2020 16:26

Instrument :

MSVOA_Y

ClientSampleId :

225

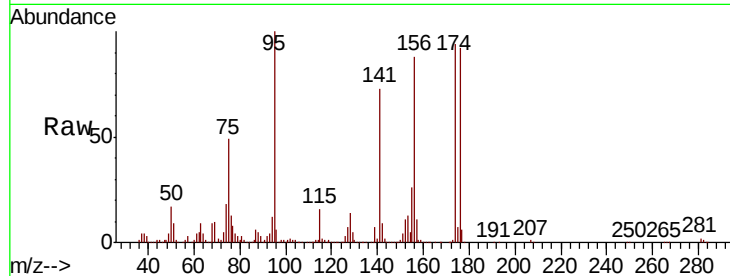
Tot Ion: 75 Resp: 94220

Ion Ratio Lower Upper

75 100

53 1.7 64.0 96.0#

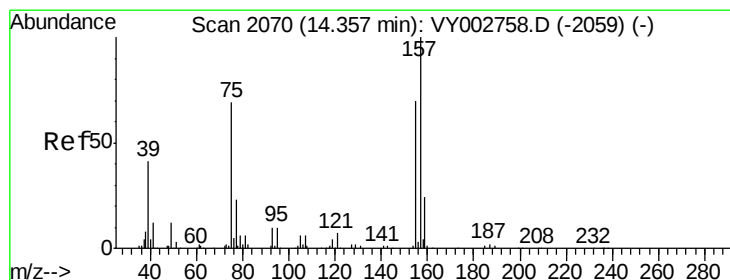
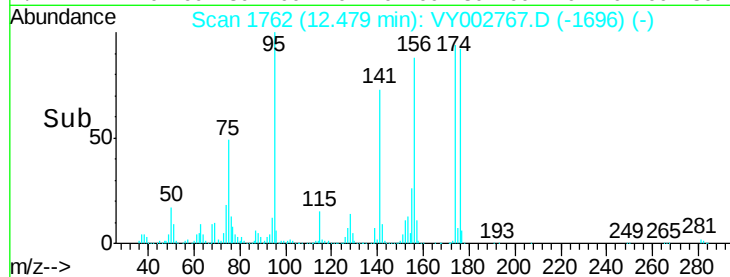
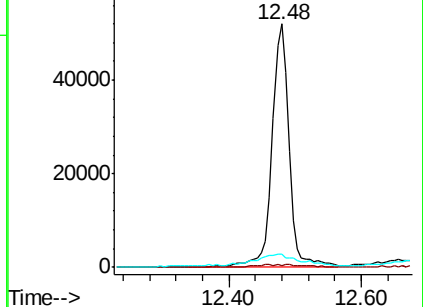
89 12.7 37.4 56.2#



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: 449.434 ug/l

RT: 14.53 min Scan# 2098

Delta R.T. 0.17 min

Lab File: VY002767.D

Acq: 27 May 2020 16:26

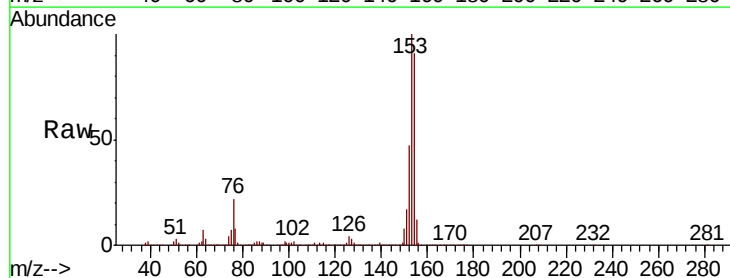
Tgt Ion: 75 Resp: 176518

Ion Ratio Lower Upper

75 100

155 180.4 53.5 160.5#

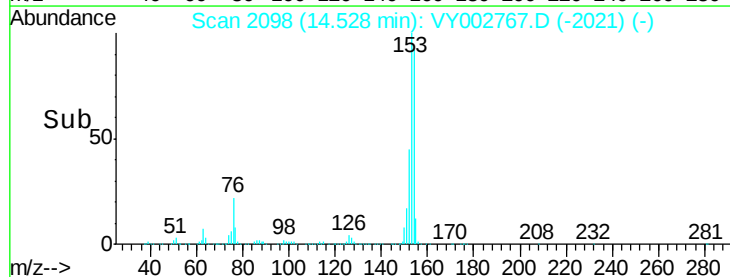
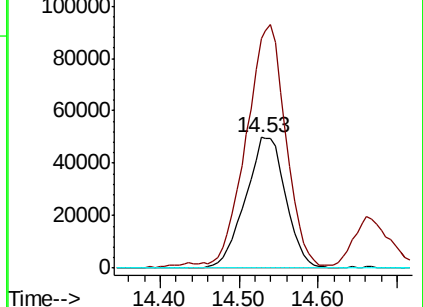
157 0.4 69.9 209.7#

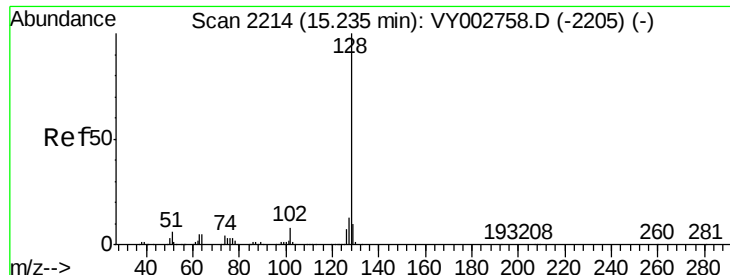


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 4.748 ug/l

RT: 15.23 min Scan# 2213

Delta R.T. -0.01 min

Lab File: VY002767.D

Acq: 27 May 2020 16:26

Instrument :

MSVOA_Y

ClientSampleId :

225

Tot Ion:128 Resp: 37345

Ion Ratio Lower Upper

128 100

127 18.9 10.3 15.5#

129 18.2 8.7 13.1#

