

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY060920\
 Data File : VY002867.D
 Acq On : 09 Jun 2020 12:33
 Operator : SY/MD
 Sample : L2951-01
 Misc : 5.17G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 239988

Quant Time: Jun 10 05:11:35 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	247001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	398097	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	373274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	189157	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	124638	58.12	ug/l	0.00
Spiked Amount			Recovery	=	116.24%	
35) Dibromofluoromethane	7.72	113	121628	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	
50) Toluene-d8	10.18	98	471176	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.48	95	161436	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	

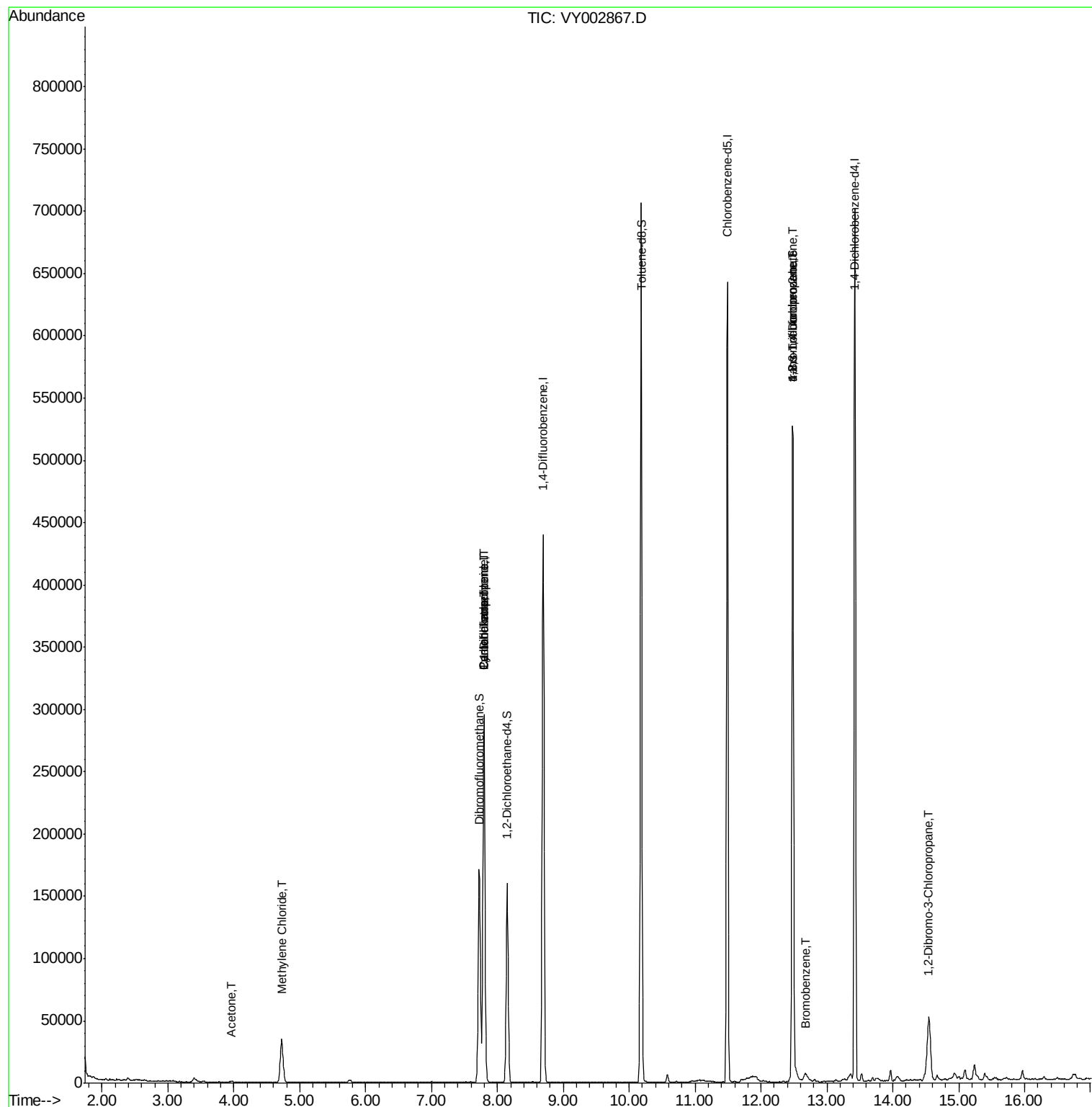
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	292	Below Cal	#	74
16) Acetone	3.96	43	1265	2.515	ug/l	97
18) Methyl Acetate	4.49	43	406	Below Cal	#	48
20) Methylene Chloride	4.72	84	27940	11.369	ug/l	96
31) Cyclohexane	7.79	56	3678	1.011	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	15030	4.482	ug/l #	48
38) Carbon Tetrachloride	7.80	117	22026	5.912	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	77679	45.575	ug/l #	100
77) Bromobenzene	12.67	156	3462	1.097	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	77679	85.863	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	14.54	75	1701	4.157	ug/l #	1

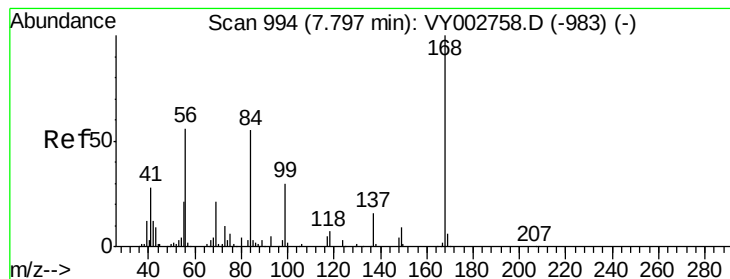
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002867.D

Acq: 09 Jun 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

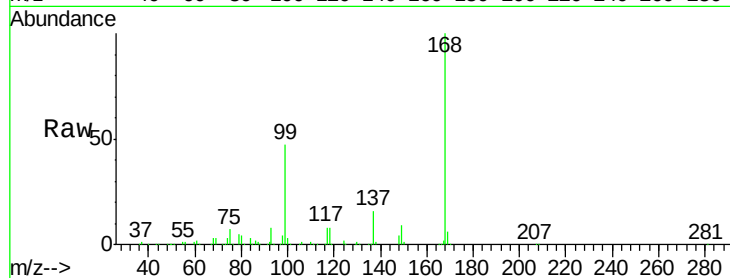
239988

Tot Ion:168 Resp: 247001

Ion Ratio Lower Upper

168 100

99 46.8 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002867.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002867.D (-945) (-)

7.80

120000

100000

80000

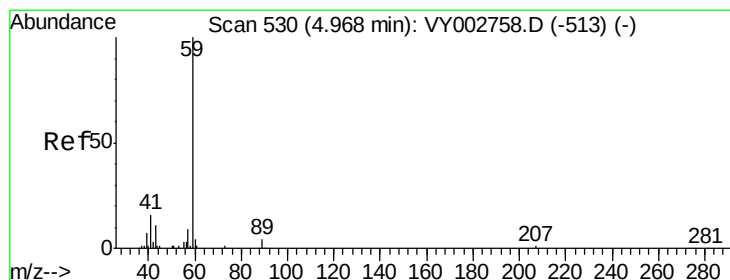
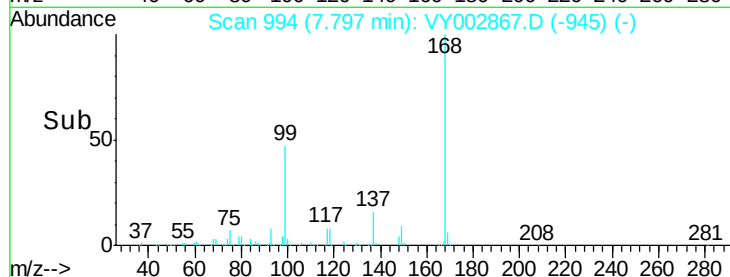
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. -0.00 min

Lab File: VY002867.D

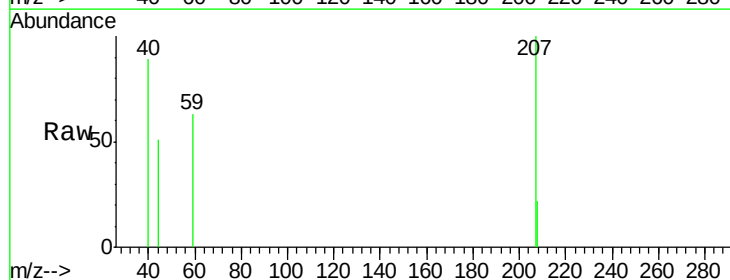
Acq: 09 Jun 2020 12:33

Tgt Ion: 59 Resp: 292

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002867.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY002867.D (-481) (-)

4.97

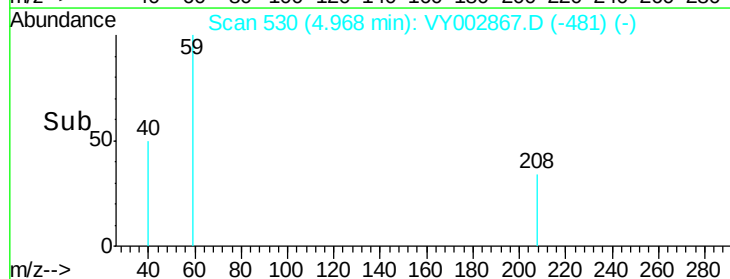
150

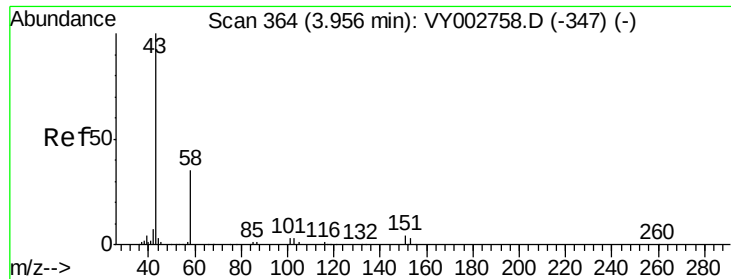
100

50

0

Time-->





#16

Acetone

Concen: 2.515 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY002867.D

Acq: 09 Jun 2020 12:33

Instrument :

MSVOA_Y

ClientSampled :

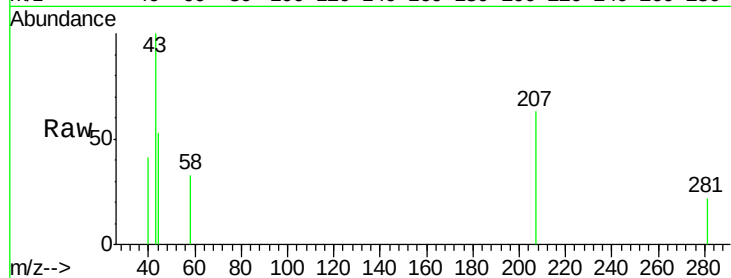
239988

Tot Ion: 43 Resp: 1265

Ion Ratio Lower Upper

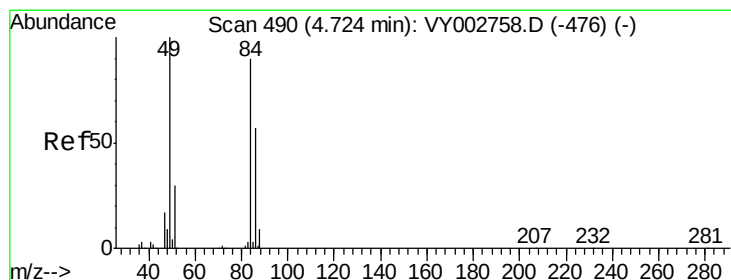
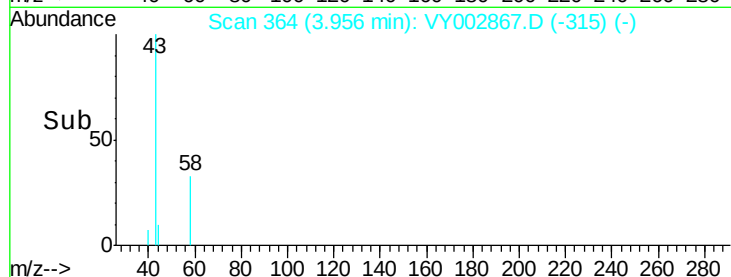
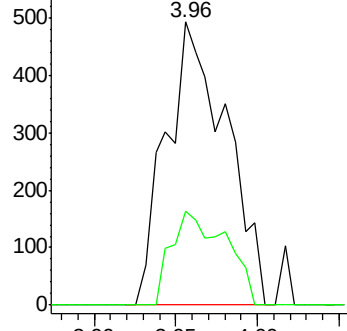
43 100

58 33.1 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 11.369 ug/l

RT: 4.72 min Scan# 490

Delta R.T. -0.00 min

Lab File: VY002867.D

Acq: 09 Jun 2020 12:33

Tgt Ion: 84 Resp: 27940

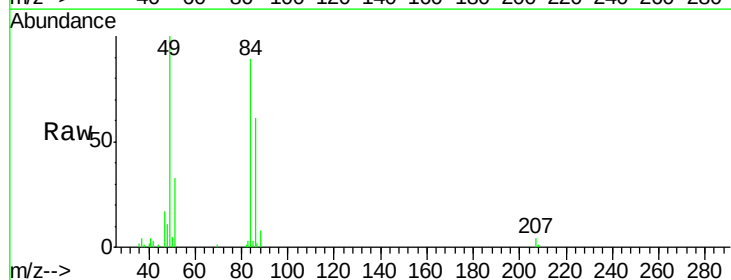
Ion Ratio Lower Upper

84 100

49 112.5 88.5 132.7

51 36.7 26.8 40.2

86 69.0 50.6 75.8

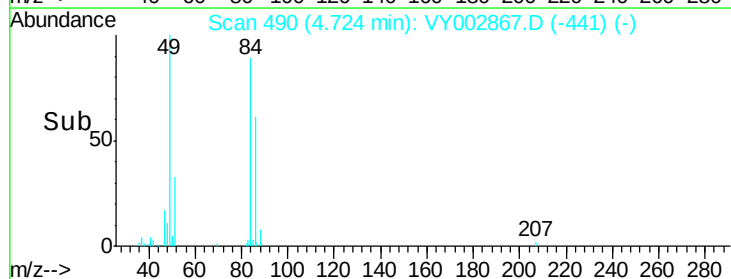
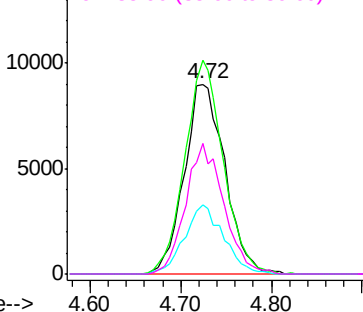


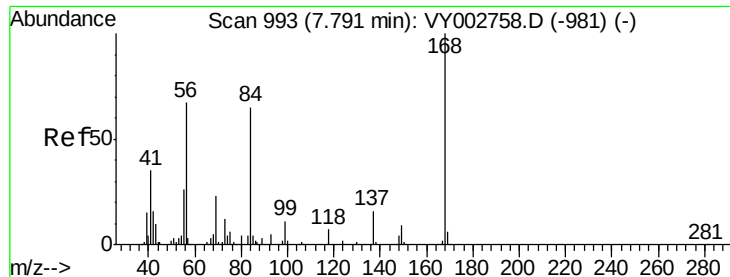
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

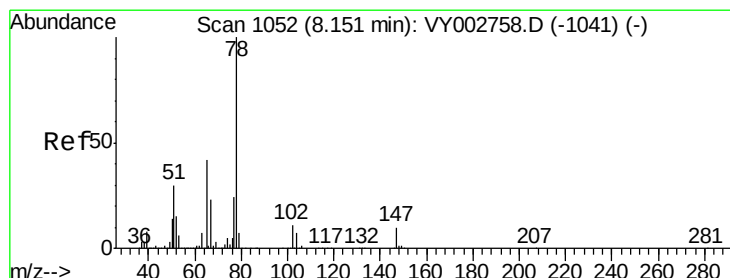
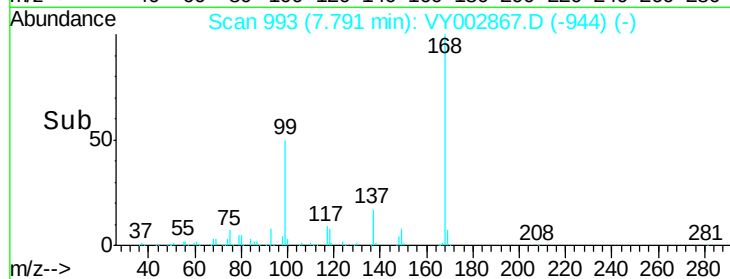
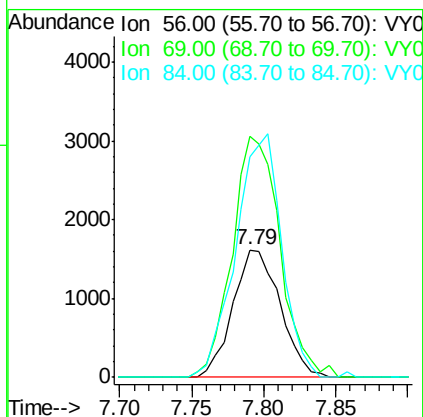
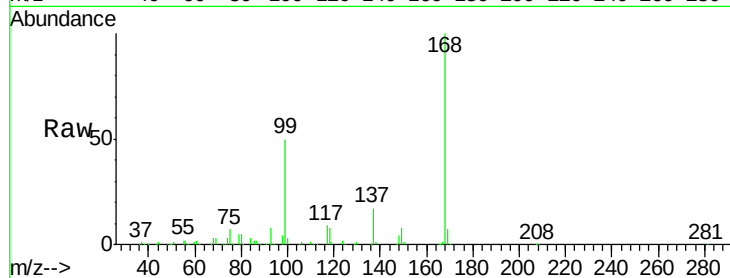




#31
Cyclohexane
Concen: 1.011 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY002867.D
Acq: 09 Jun 2020 12:33

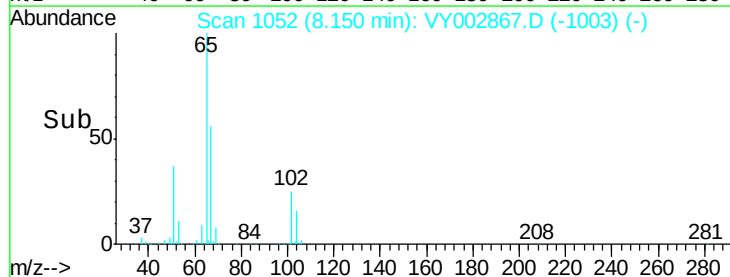
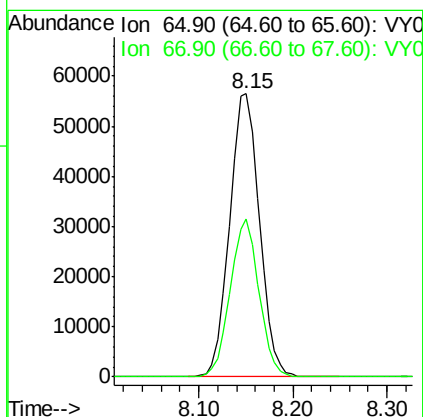
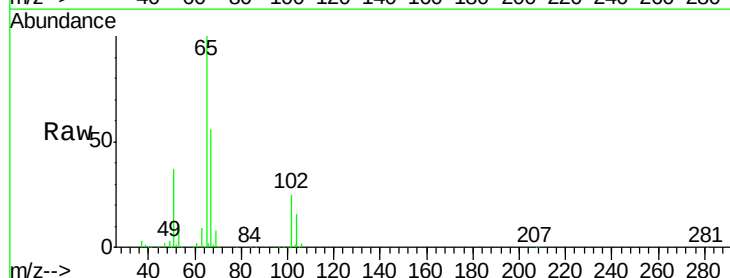
Instrument :
MSVOA_Y
ClientSampled :
239988

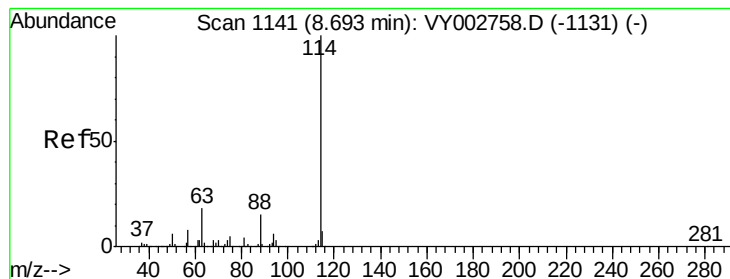
Tot Ion: 56 Resp: 3678
Ion Ratio Lower Upper
56 100
69 189.0 28.0 42.0#
84 173.6 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 58.116 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY002867.D
Acq: 09 Jun 2020 12:33

Tgt Ion: 65 Resp: 124638
Ion Ratio Lower Upper
65 100
67 53.6 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: VY002867.D

Acq: 09 Jun 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

239988

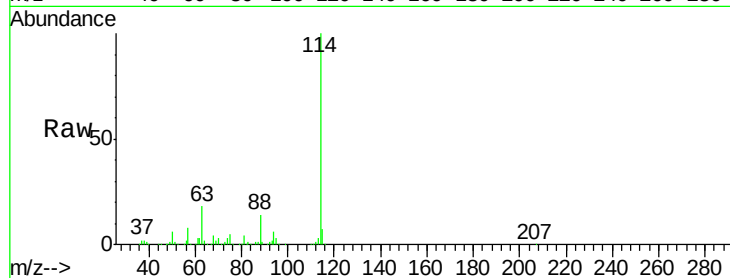
Tot Ion:114 Resp: 398097

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.2

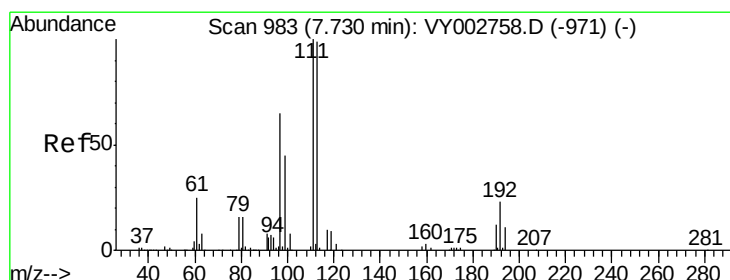
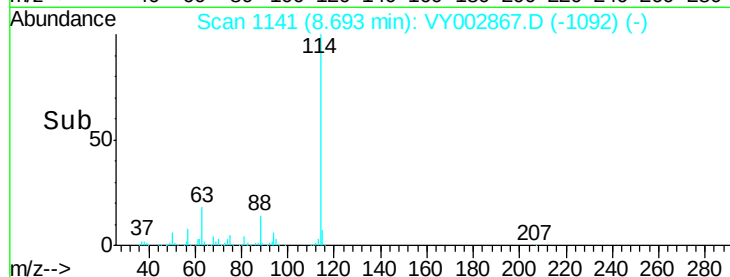
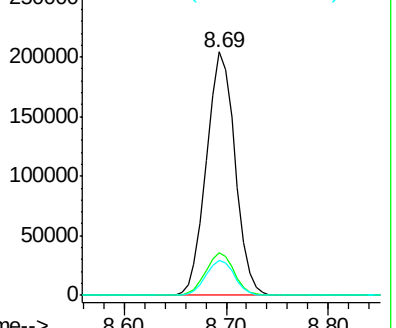
88 14.4 0.0 29.2



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: 52.133 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY002867.D

Acq: 09 Jun 2020 12:33

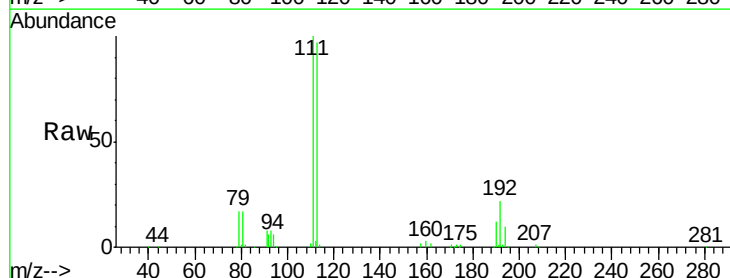
Tgt Ion:113 Resp: 121628

Ion Ratio Lower Upper

113 100

111 103.2 82.0 123.0

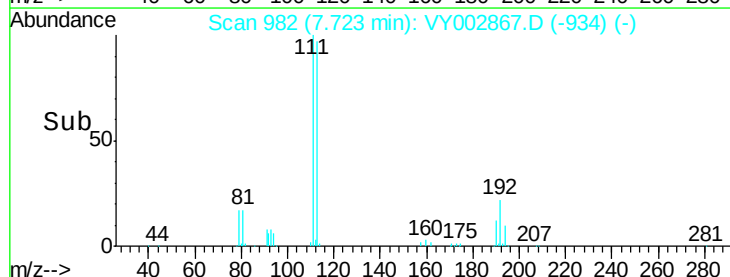
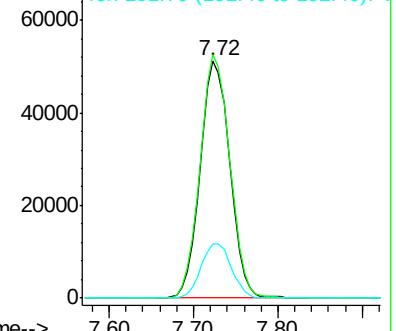
192 23.5 18.9 28.3

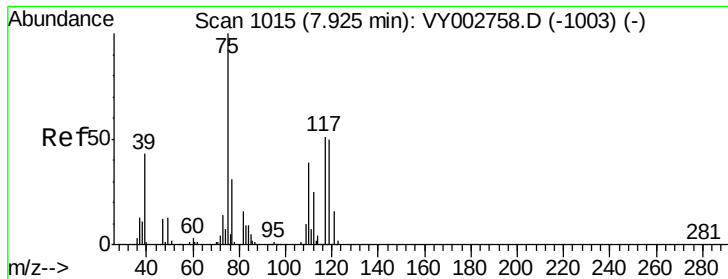


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

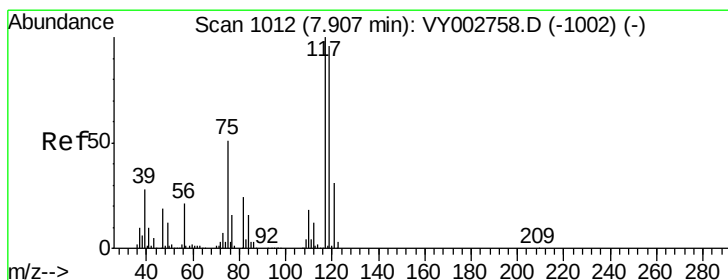
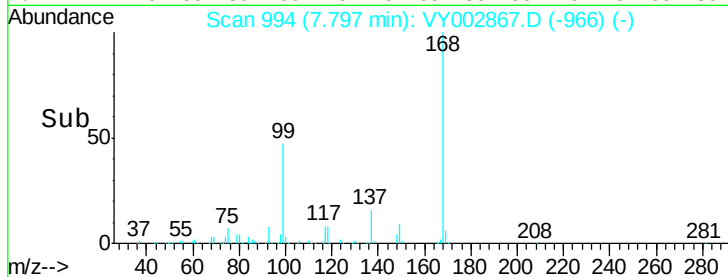
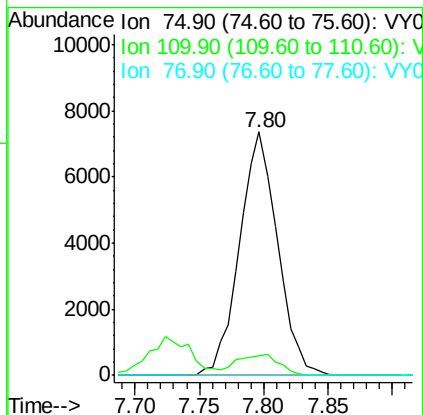
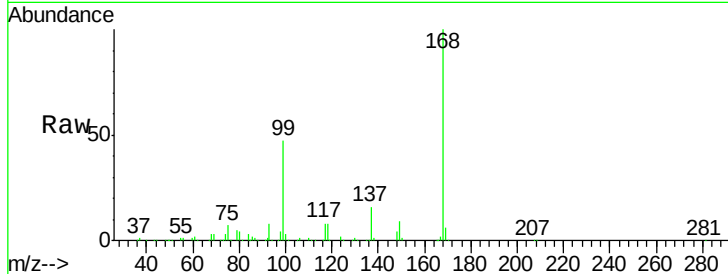




#36
 1,1-Dichloropropene
 Concen: 4.482 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002867.D
 Acq: 09 Jun 2020 12:33

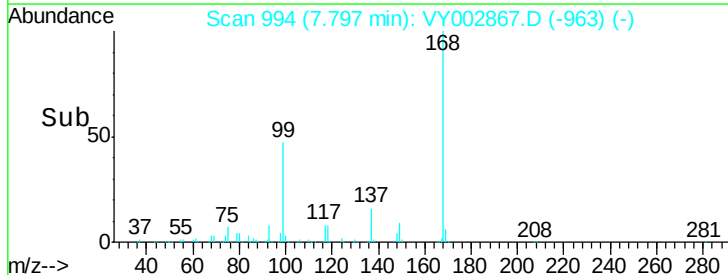
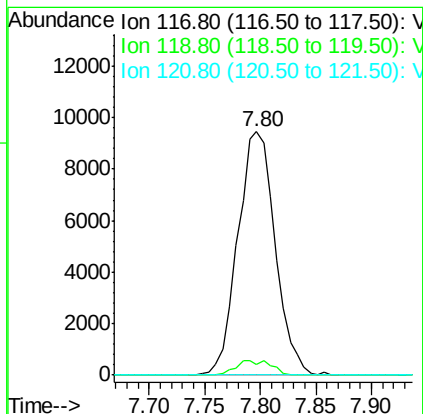
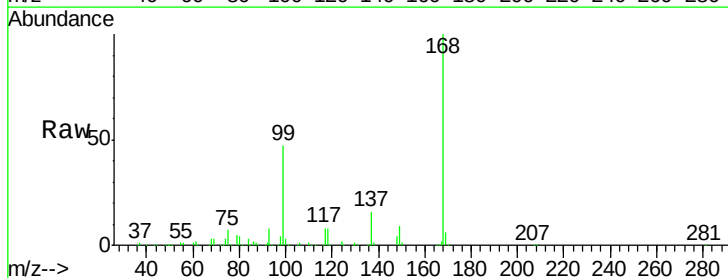
Instrument :
 MSVOA_Y
 ClientSampleId :
 239988

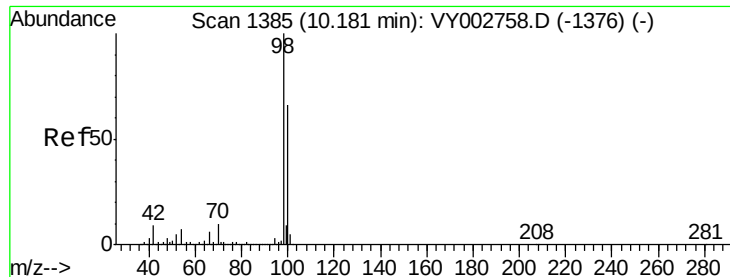
Tot Ion	75	Resp	15030
Ion Ratio	100	Lower	Upper
75	100		
110	9.7	19.3	57.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.912 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY002867.D
 Acq: 09 Jun 2020 12:33

Tgt Ion	117	Resp	22026
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.5	76.8	115.2#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 49.949 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY002867.D

Acq: 09 Jun 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

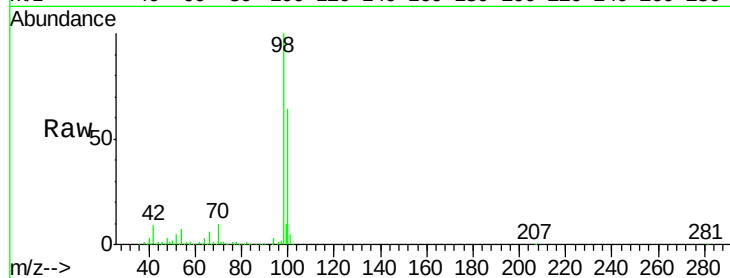
239988

Tot Ion: 98 Resp: 471176

Ion Ratio Lower Upper

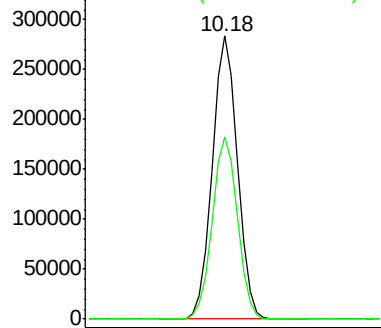
98 100

100 64.5 52.2 78.2

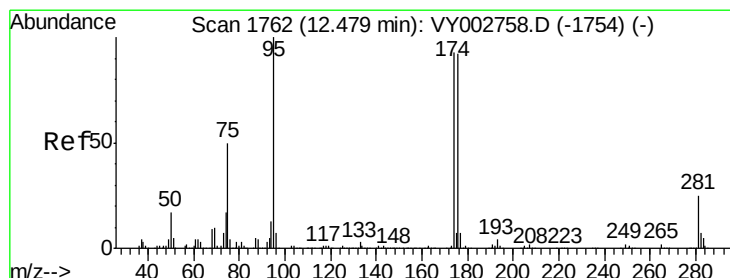
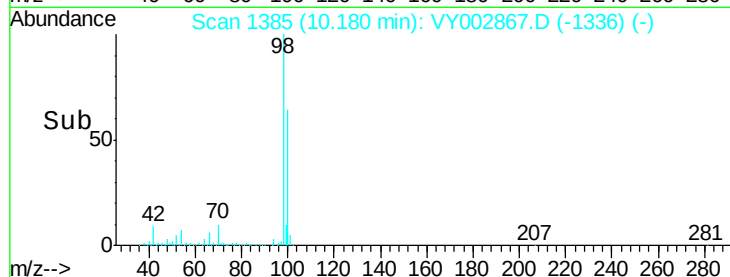


Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



Time-->



#62

4-Bromofluorobenzene

Concen: 50.077 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY002867.D

Acq: 09 Jun 2020 12:33

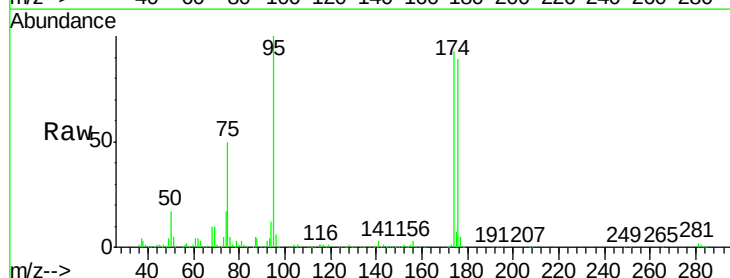
Tgt Ion: 95 Resp: 161436

Ion Ratio Lower Upper

95 100

174 95.8 0.0 191.2

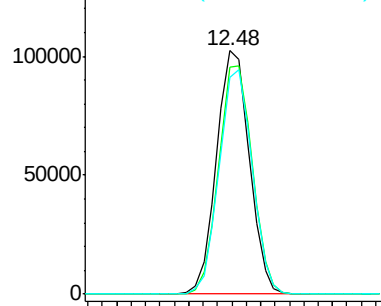
176 92.4 0.0 188.8



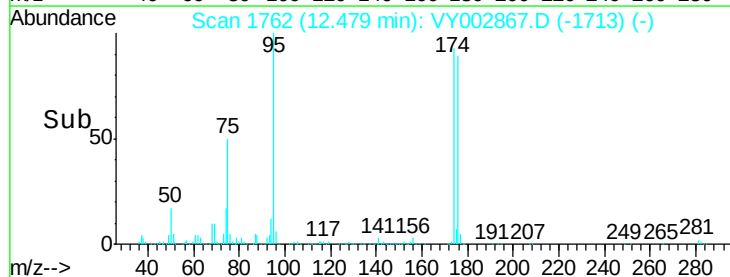
Abundance Ion 94.90 (94.60 to 95.60): VY0

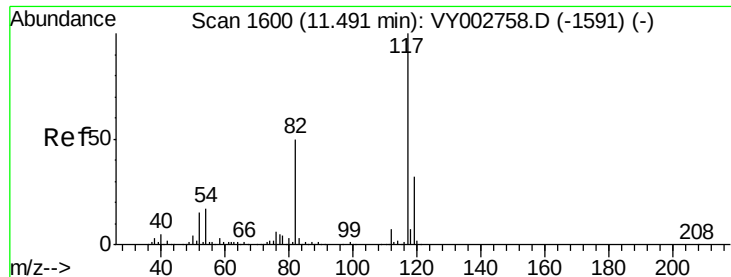
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

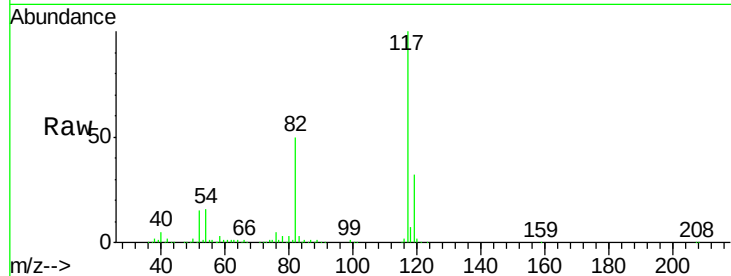




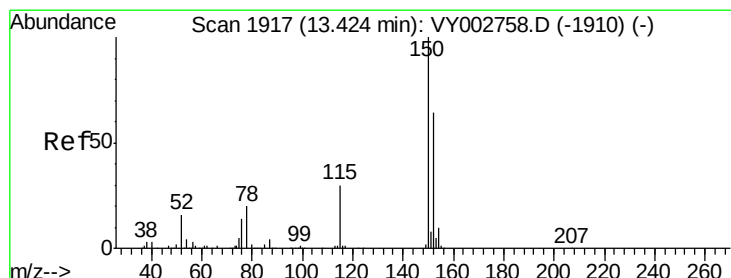
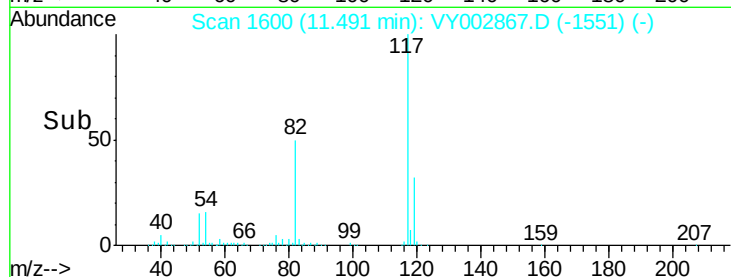
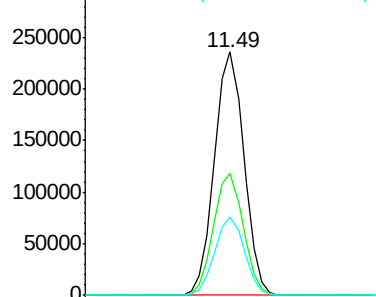
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002867.D
Acq: 09 Jun 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
239988

Tot Ion:117 Resp: 373274
Ion Ratio Lower Upper
117 100
82 50.4 40.2 60.4
119 32.0 25.8 38.8

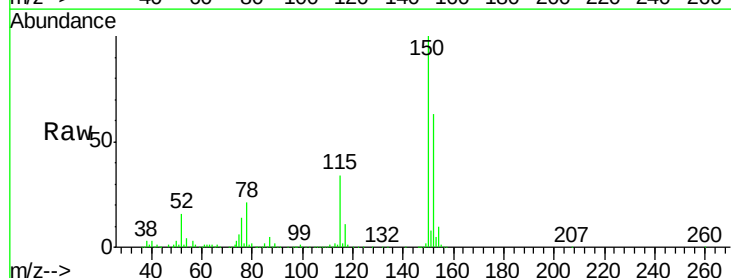


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

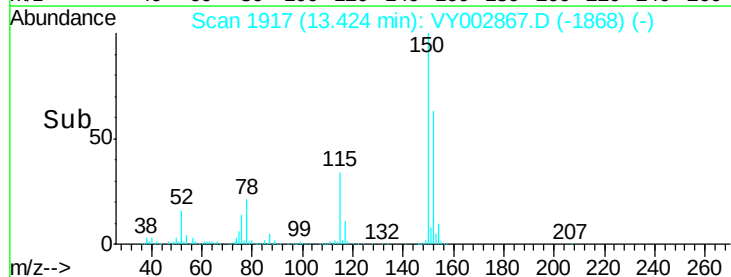
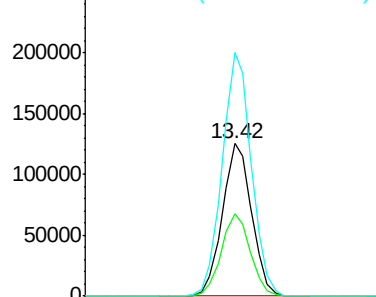


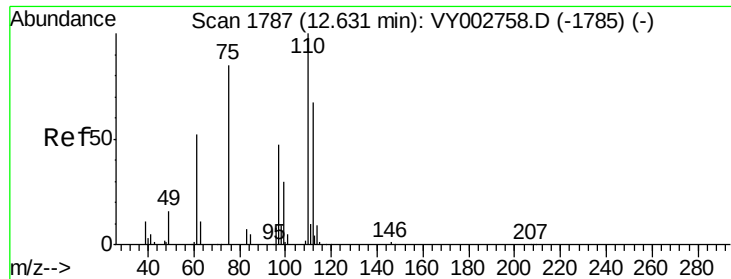
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY002867.D
Acq: 09 Jun 2020 12:33

Tgt Ion:152 Resp: 189157
Ion Ratio Lower Upper
152 100
115 53.9 27.0 81.0
150 158.9 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





#76

1,2,3-Trichloropropane

Concen: 45.575 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002867.D

Acq: 09 Jun 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

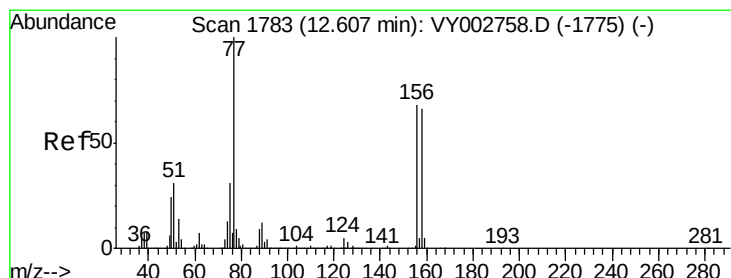
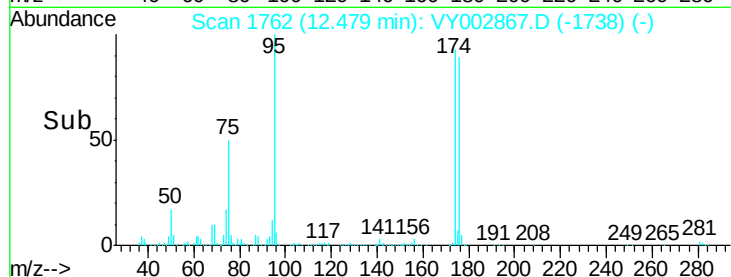
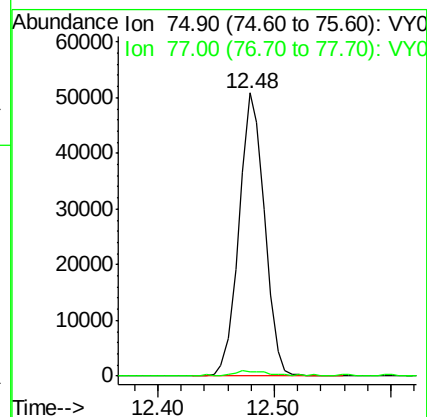
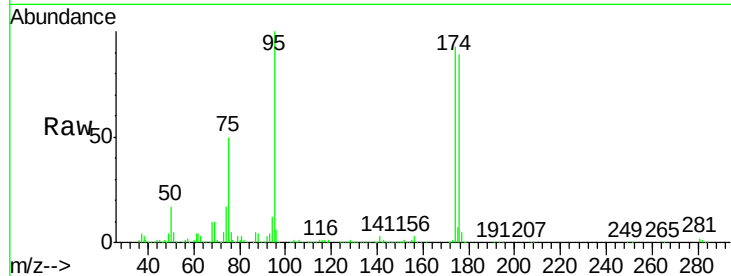
239988

Tot Ion: 75 Resp: 77679

Ion Ratio Lower Upper

75 100

77 2.3 0.0 0.0#



#77

Bromobenzene

Concen: 1.097 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.06 min

Lab File: VY002867.D

Acq: 09 Jun 2020 12:33

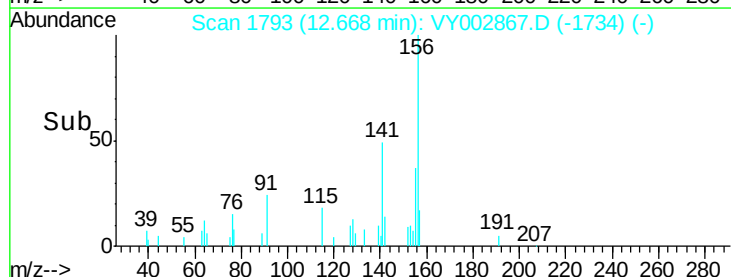
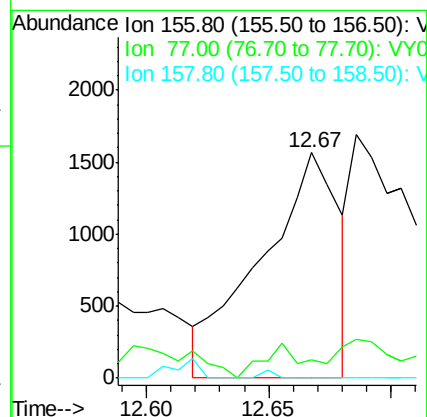
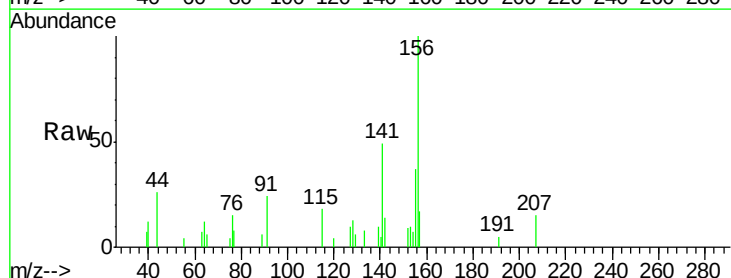
Tgt Ion: 156 Resp: 3462

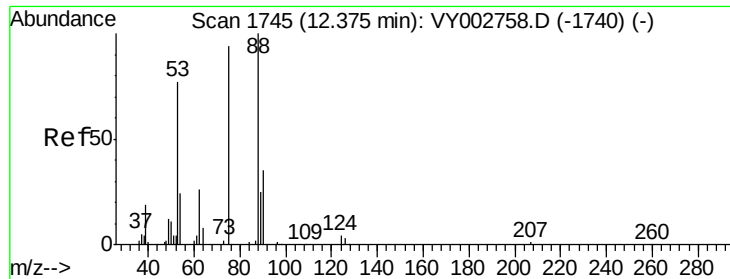
Ion Ratio Lower Upper

156 100

77 8.5 81.4 244.2#

158 0.5 48.5 145.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 85.863 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002867.D

Acq: 09 Jun 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

239988

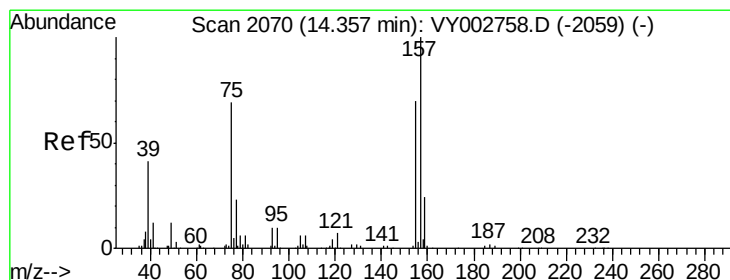
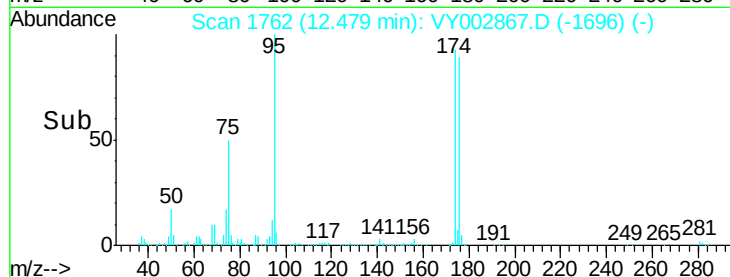
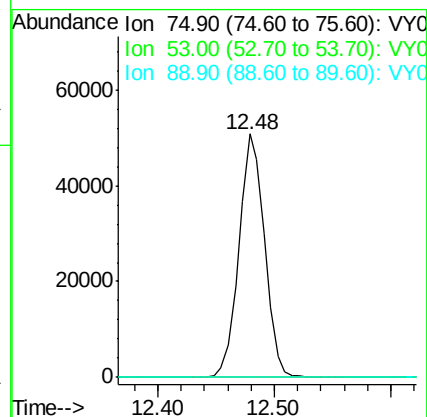
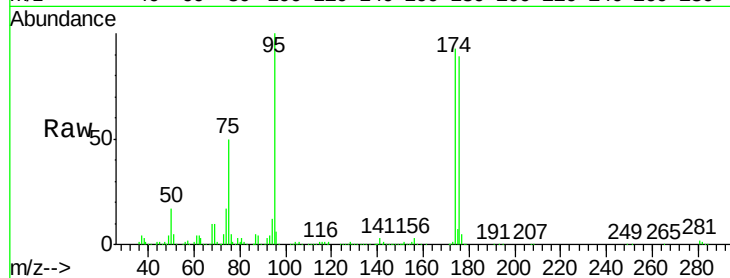
Tot Ion: 75 Resp: 77679

Ion Ratio Lower Upper

75 100

53 0.0 64.0 96.0#

89 0.1 37.4 56.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.157 ug/l

RT: 14.54 min Scan# 2100

Delta R.T. 0.18 min

Lab File: VY002867.D

Acq: 09 Jun 2020 12:33

Tgt Ion: 75 Resp: 1701

Ion Ratio Lower Upper

75 100

155 337.8 53.5 160.5#

157 0.0 69.9 209.7#

