

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040820\
 Data File : VY002258.D
 Acq On : 08 Apr 2020 18:25
 Operator : SY/MD
 Sample : L2201-04
 Misc : 6.15G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CG-SUB-VO

Quant Time: Apr 09 01:56:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

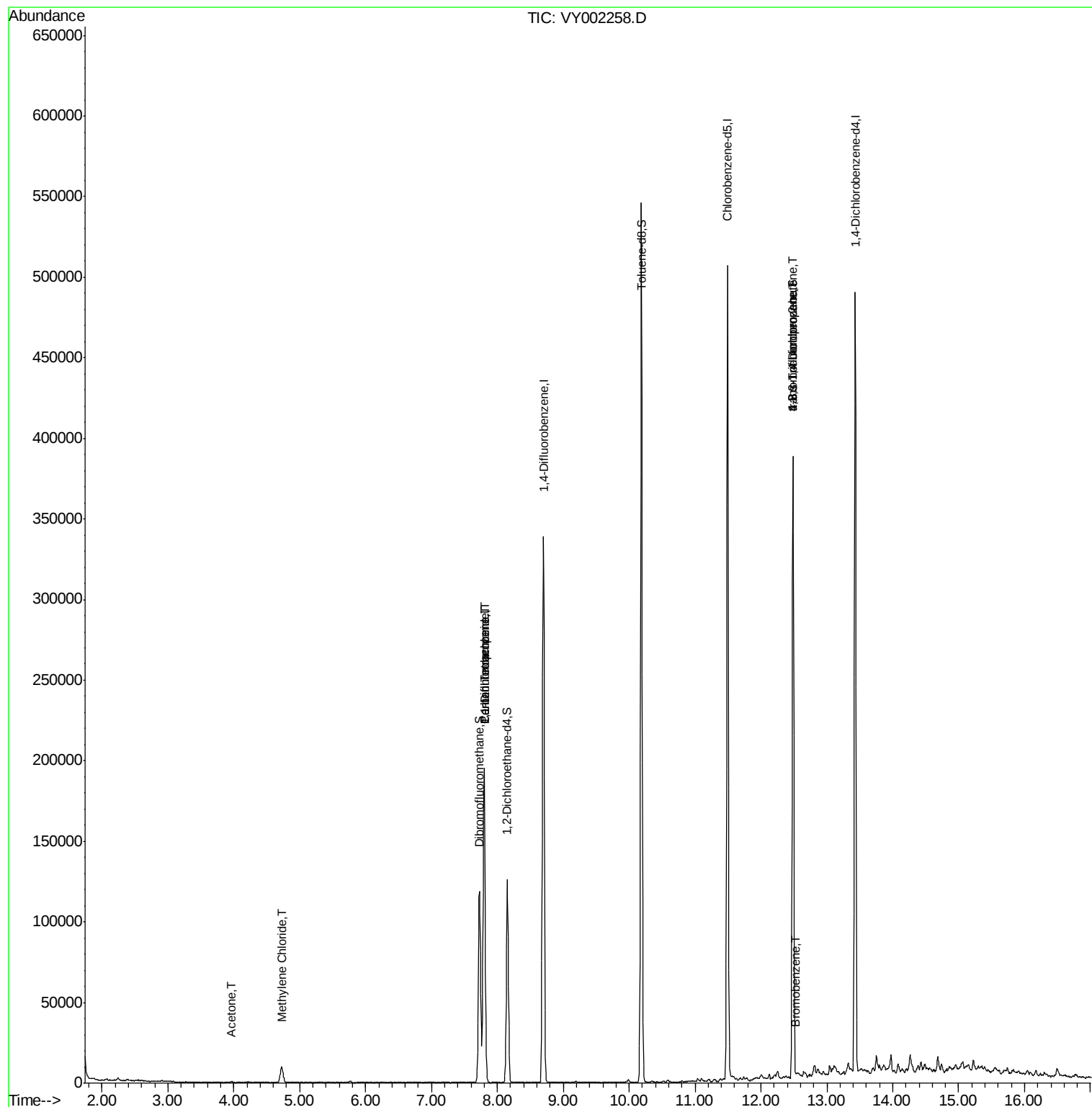
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	146435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	291301	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	276269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	118356	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	91440	56.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.30%	
35) Dibromofluoromethane	7.73	113	86204	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	10.19	98	359906	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.48	95	126359	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.96	59	19	Below Cal	#	77
16) Acetone	3.95	43	956	2.229	ug/l	93
20) Methylene Chloride	4.73	84	7564	3.588	ug/l	95
36) 1,1-Dichloropropene	7.80	75	12274	4.278	ug/l #	50
38) Carbon Tetrachloride	7.80	117	15531	6.328	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	62736	45.647	ug/l #	100
77) Bromobenzene	12.53	156	2266	1.108	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	62736	88.783	ug/l #	19

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY002258.D

Acq: 08 Apr 2020 18:25

Instrument :

MSVOA_Y

ClientSampleId :

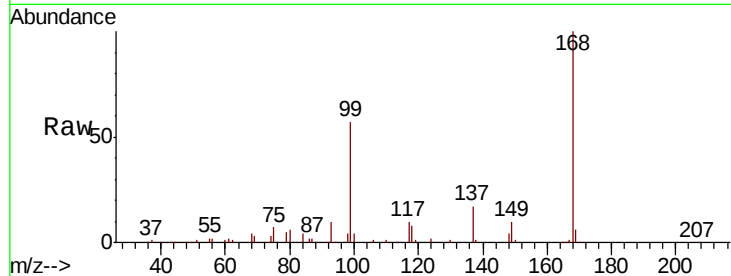
CG-SUB-VO

Tot Ion:168 Resp: 146435

Ion Ratio Lower Upper

168 100

99 56.6 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)

7.80

60000

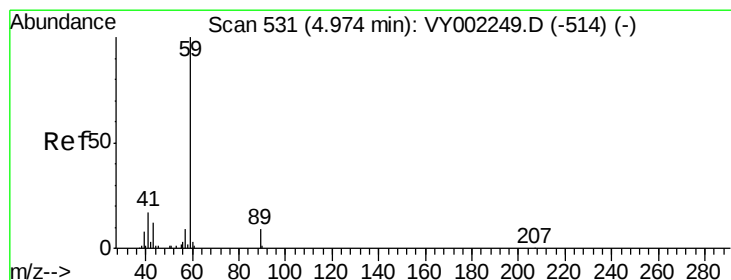
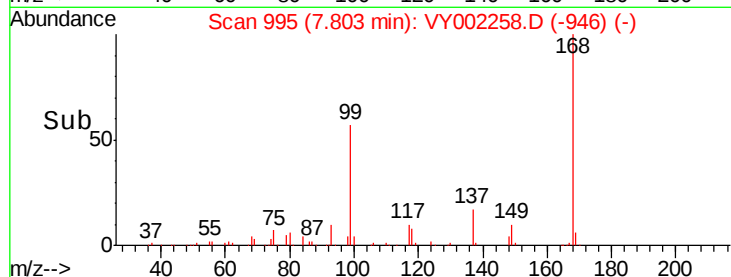
40000

20000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY002258.D

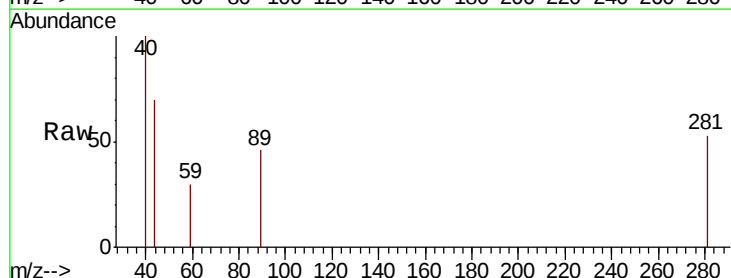
Acq: 08 Apr 2020 18:25

Tgt Ion: 59 Resp: 19

Ion Ratio Lower Upper

59 100

57 0.0 6.6 9.8#



Abundance Ion 59.00 (58.70 to 59.70): VY002249.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY002249.D (-514) (-)

4.96

60

50

40

30

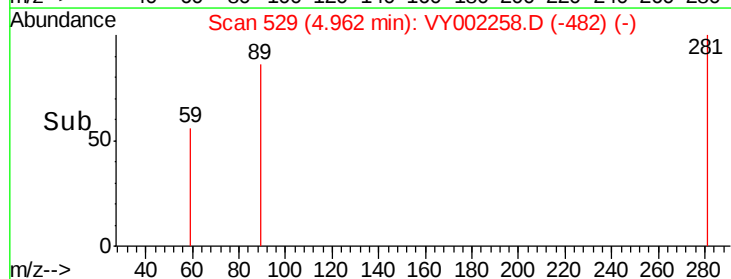
20

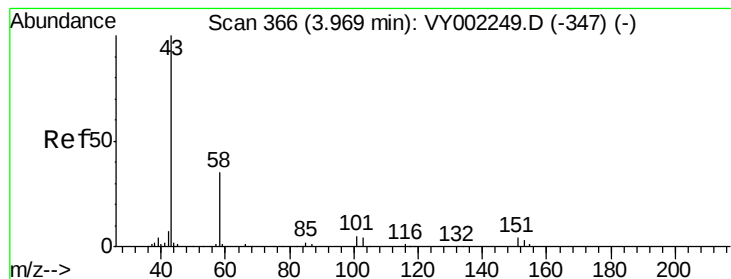
10

0

4.94 4.95 4.96 4.97 4.98

Time-->





#16

Acetone

Concen: 2.229 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.02 min

Lab File: VY002258.D

Acq: 08 Apr 2020 18:25

Instrument :

MSVOA_Y

ClientSampleId :

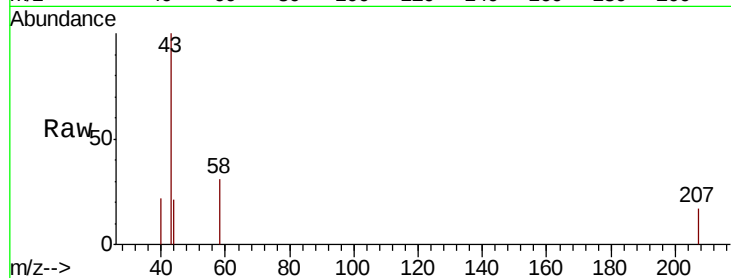
CG-SUB-VO

Tot Ion: 43 Resp: 956

Ion Ratio Lower Upper

43 100

58 31.3 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VY002249.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY002249.D (-347) (-)

3.95

400

300

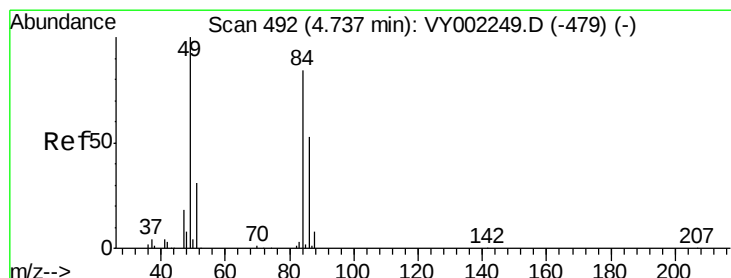
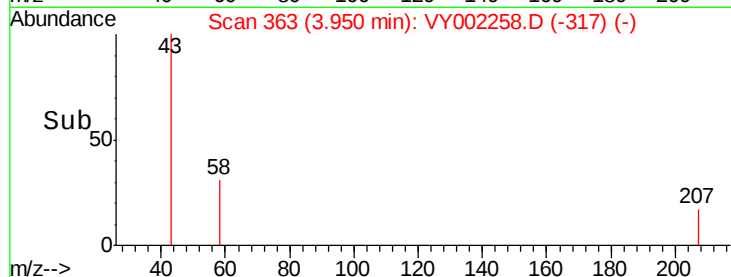
200

100

0

3.90 3.95 4.00

Time-->



#20

Methylene Chloride

Concen: 3.588 ug/l

RT: 4.73 min Scan# 491

Delta R.T. -0.01 min

Lab File: VY002258.D

Acq: 08 Apr 2020 18:25

Tgt Ion: 84 Resp: 7564

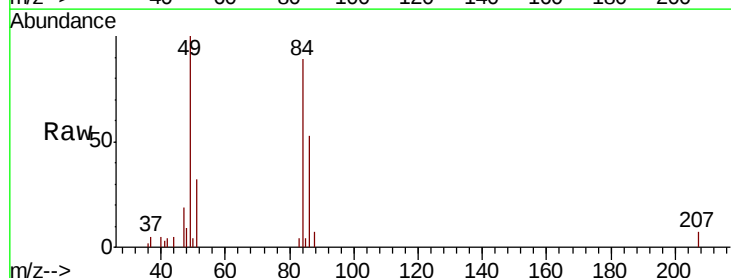
Ion Ratio Lower Upper

84 100

49 112.9 95.5 143.3

51 36.4 29.5 44.3

86 59.5 50.7 76.1



Abundance Ion 83.90 (83.60 to 84.60): VY002249.D (-479) (-)

Ion 48.90 (48.60 to 49.60): VY002249.D (-479) (-)

Ion 50.90 (50.60 to 51.60): VY002249.D (-479) (-)

Ion 85.90 (85.60 to 86.60): VY002249.D (-479) (-)

4000

3000

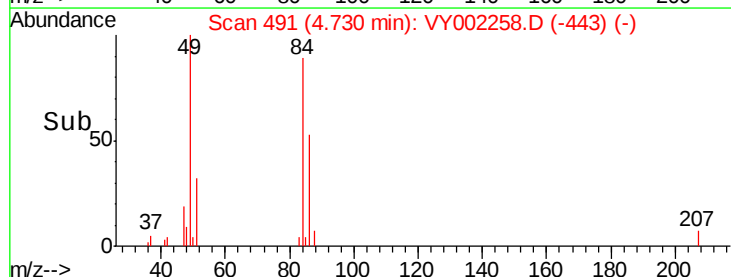
2000

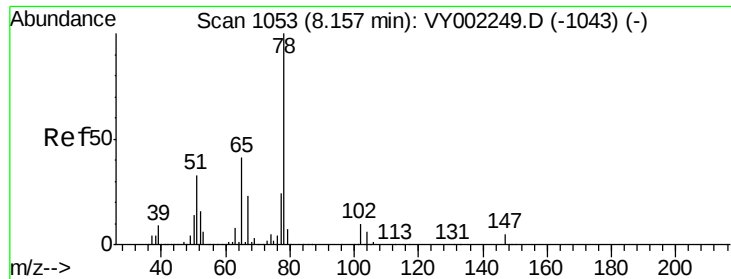
1000

0

4.60 4.65 4.70 4.75 4.80

Time-->





#33

1,2-Dichloroethane-d4

Concen: 56.151 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002258.D

Acq: 08 Apr 2020 18:25

Instrument :

MSVOA_Y

ClientSampleId :

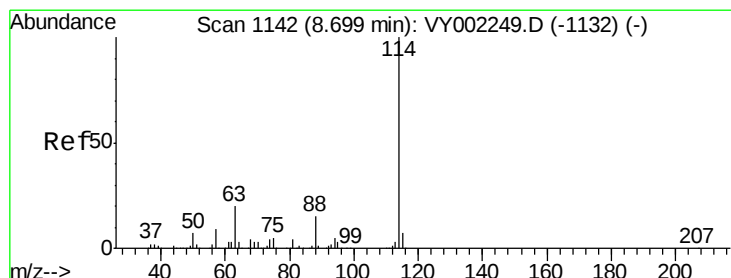
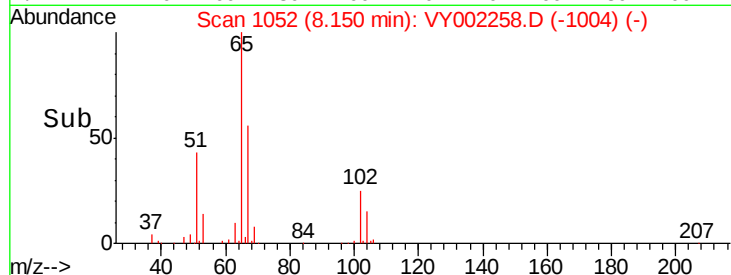
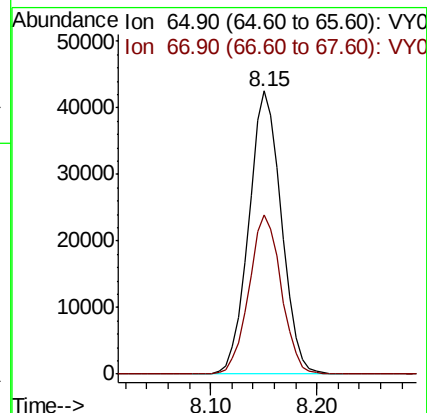
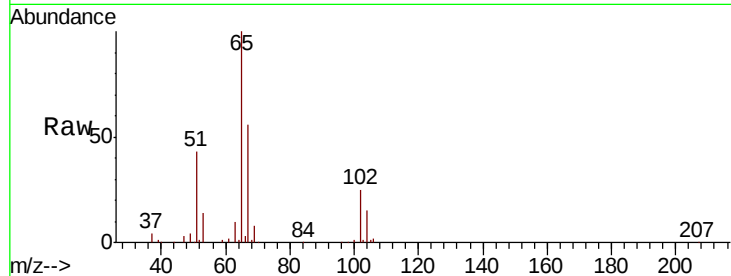
CG-SUB-VO

Tot Ion: 65 Resp: 91440

Ion Ratio Lower Upper

65 100

67 55.7 0.0 114.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY002258.D

Acq: 08 Apr 2020 18:25

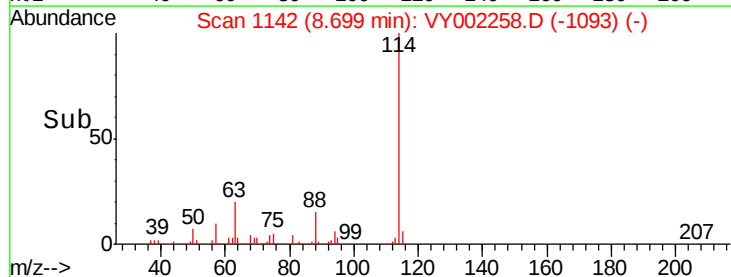
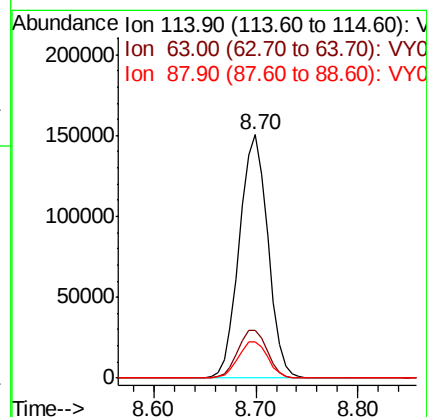
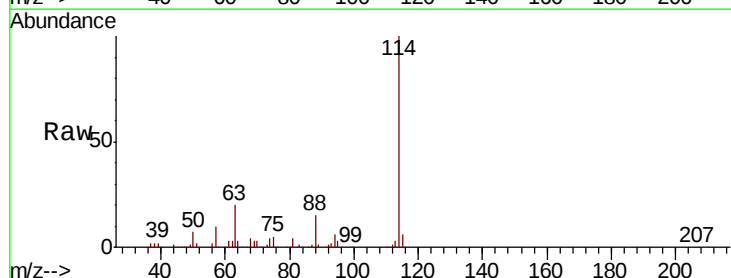
Tgt Ion: 114 Resp: 291301

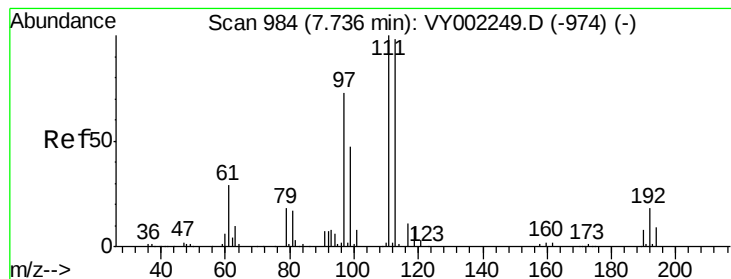
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.0

88 15.0 0.0 31.0





#35

Dibromofluoromethane

Concen: 49.733 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002258.D

Acq: 08 Apr 2020 18:25

Instrument :

MSVOA_Y

ClientSampleId :

CG-SUB-VO

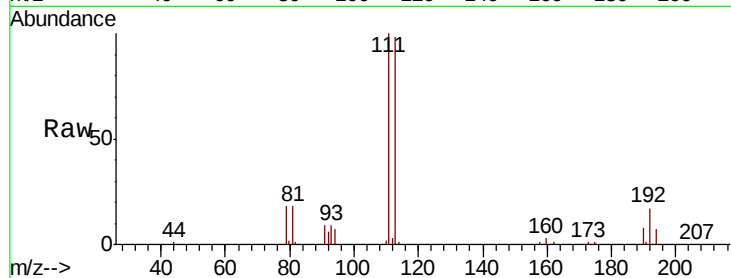
Tot Ion:113 Resp: 86204

Ion Ratio Lower Upper

113 100

111 103.9 83.5 125.3

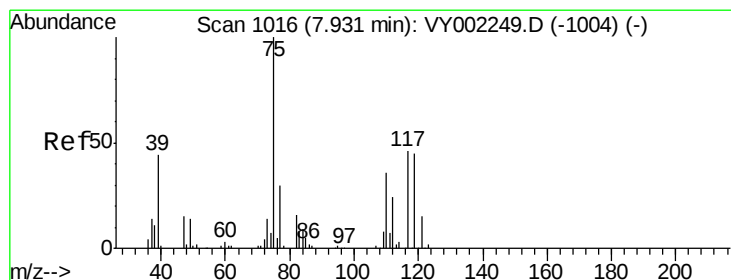
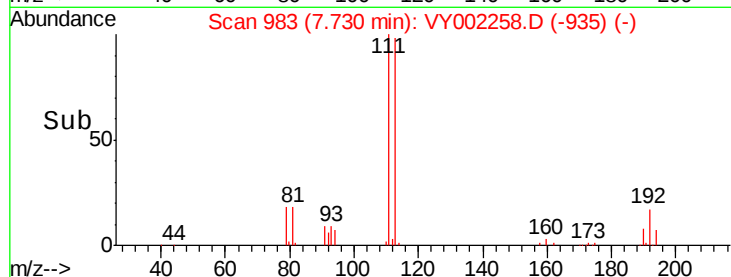
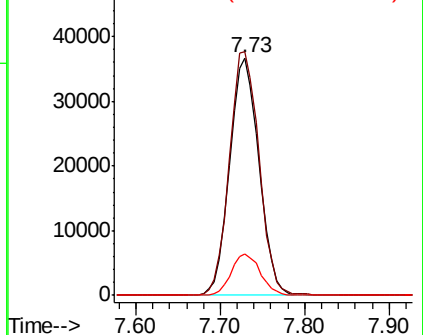
192 17.5 14.7 22.1



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: 4.278 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY002258.D

Acq: 08 Apr 2020 18:25

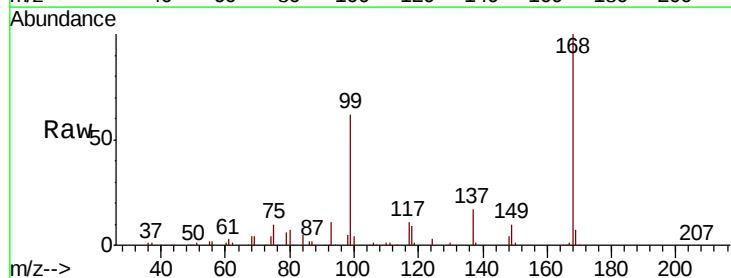
Tgt Ion: 75 Resp: 12274

Ion Ratio Lower Upper

75 100

110 9.0 17.8 53.3#

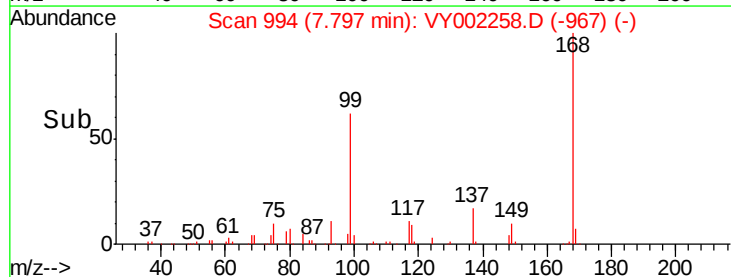
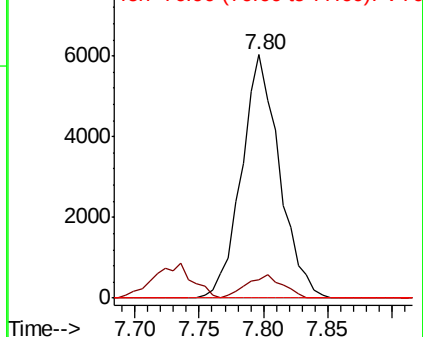
77 0.0 24.4 36.6#

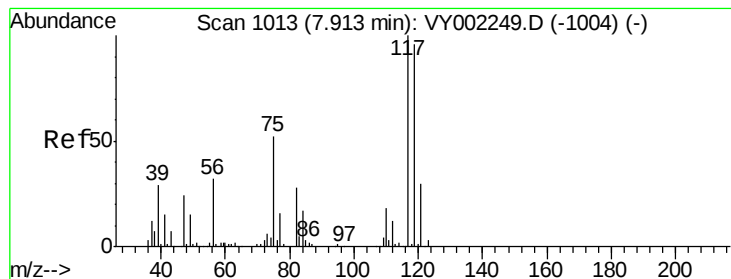


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.328 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY002258.D

Acq: 08 Apr 2020 18:25

Instrument :

MSVOA_Y

ClientSampleId :

CG-SUB-VO

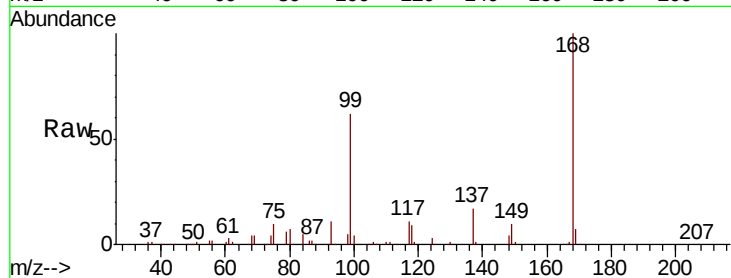
Tot Ion:117 Resp: 15531

Ion Ratio Lower Upper

117 100

119 5.5 77.1 115.7#

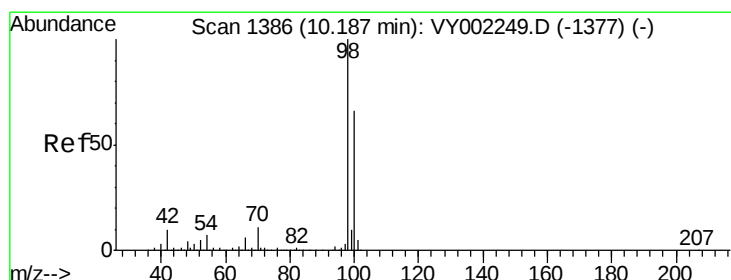
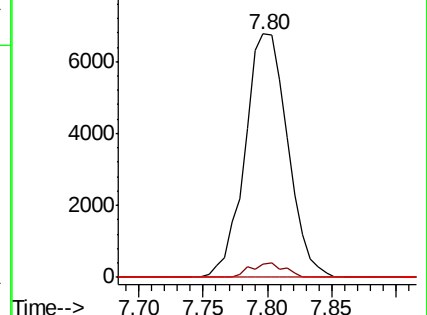
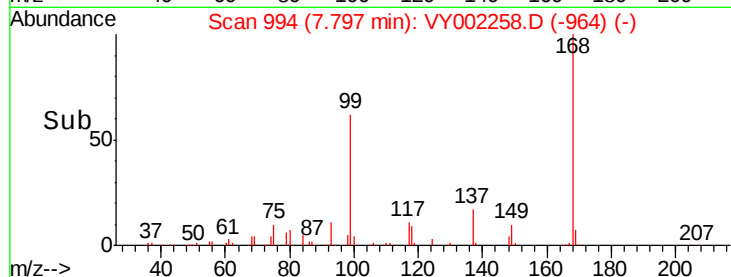
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.608 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY002258.D

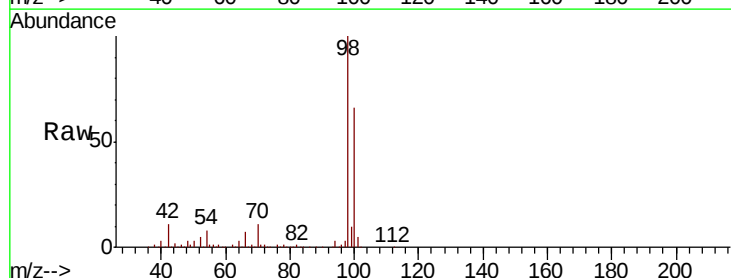
Acq: 08 Apr 2020 18:25

Tgt Ion: 98 Resp: 359906

Ion Ratio Lower Upper

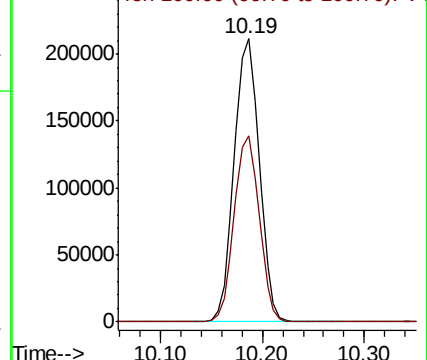
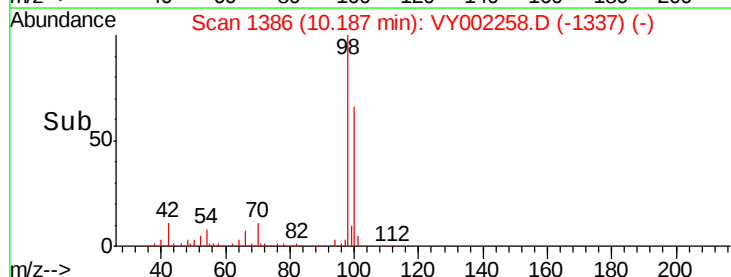
98 100

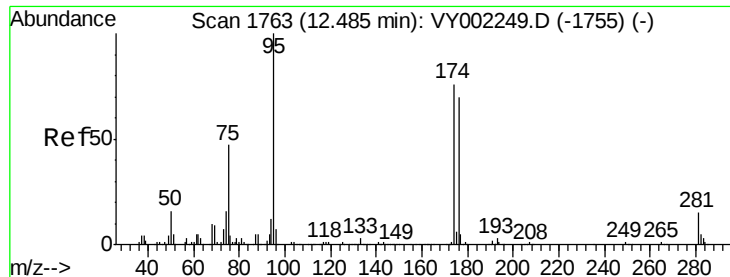
100 65.5 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

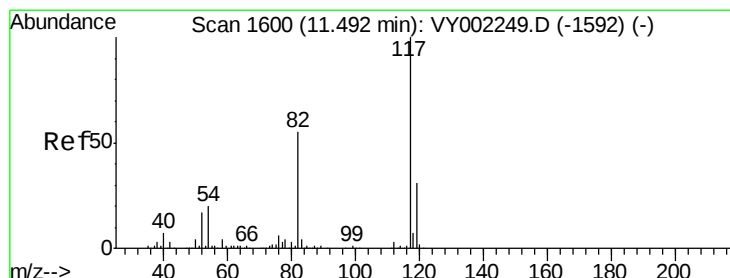
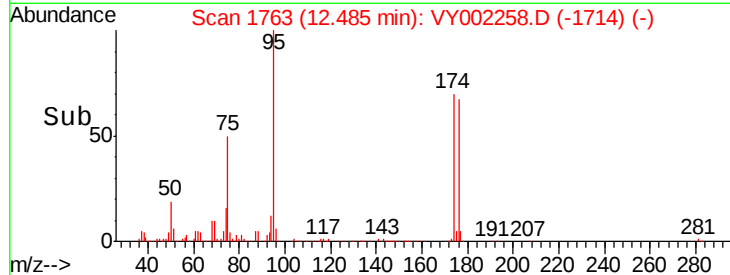
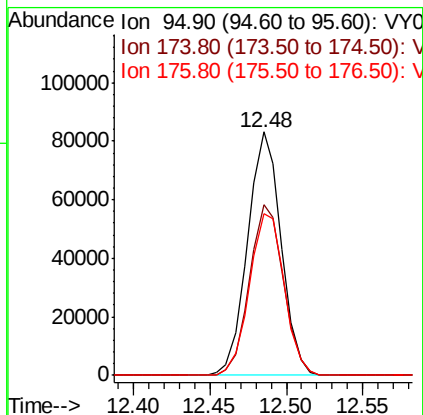
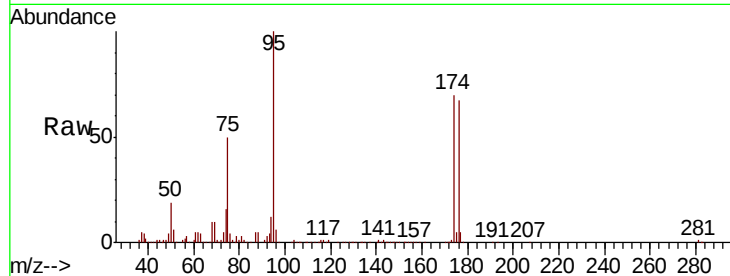




#62
4-Bromofluorobenzene
Concen: 52.792 ug/l
RT: 12.48 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VY002258.D
Acq: 08 Apr 2020 18:25

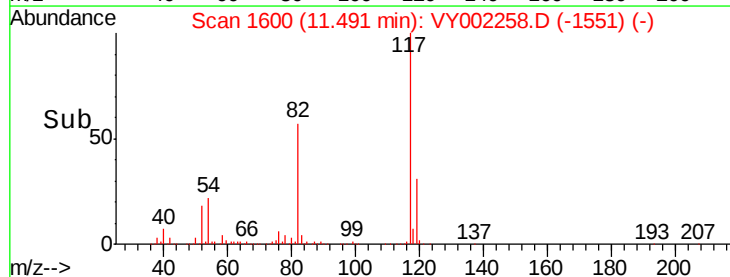
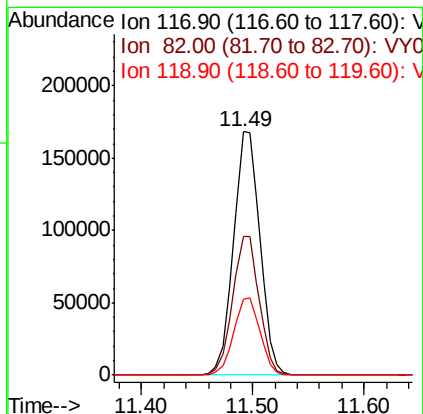
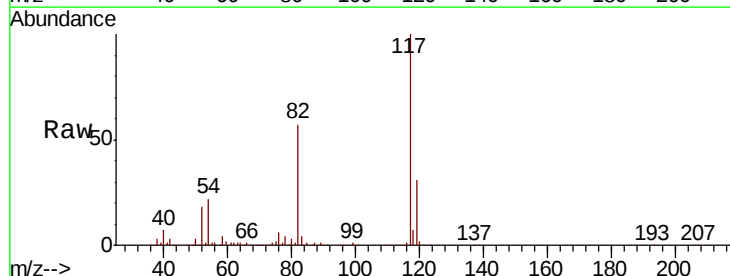
Instrument :
MSVOA_Y
ClientSampled :
CG-SUB-VO

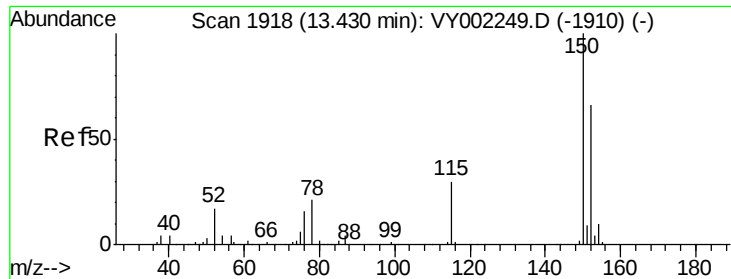
Tot Ion: 95 Resp: 126359
Ion Ratio Lower Upper
95 100
174 71.2 0.0 150.6
176 69.1 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002258.D
Acq: 08 Apr 2020 18:25

Tgt Ion: 117 Resp: 276269
Ion Ratio Lower Upper
117 100
82 57.1 44.2 66.4
119 31.4 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.00 min

Lab File: VY002258.D

Acq: 08 Apr 2020 18:25

Instrument :

MSVOA_Y

ClientSampleId :

CG-SUB-VO

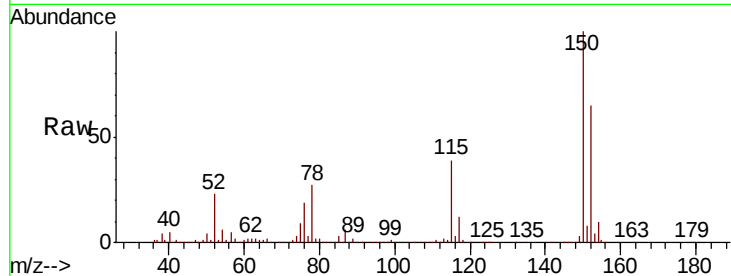
Tot Ion:152 Resp: 118356

Ion Ratio Lower Upper

152 100

115 63.0 30.7 92.1

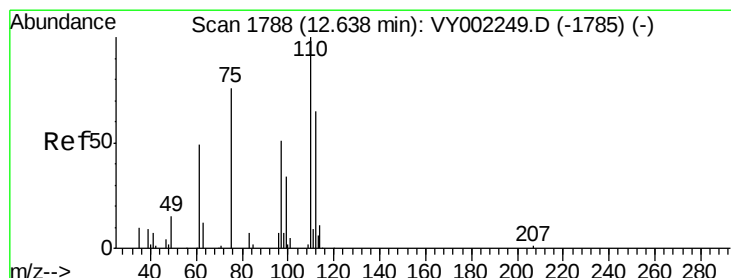
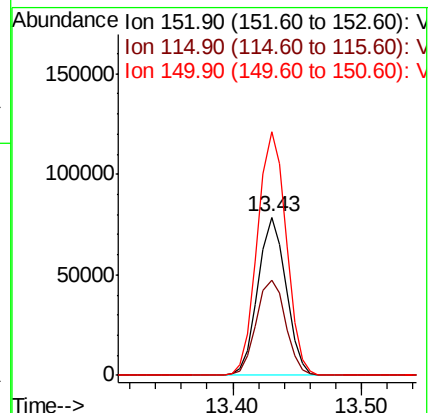
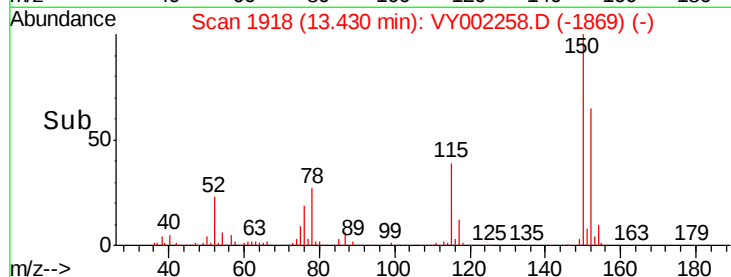
150 158.3 0.0 350.6



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: 45.647 ug/l

RT: 12.48 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002258.D

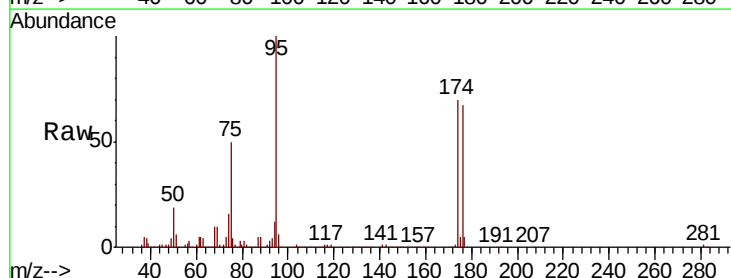
Acq: 08 Apr 2020 18:25

Tgt Ion: 75 Resp: 62736

Ion Ratio Lower Upper

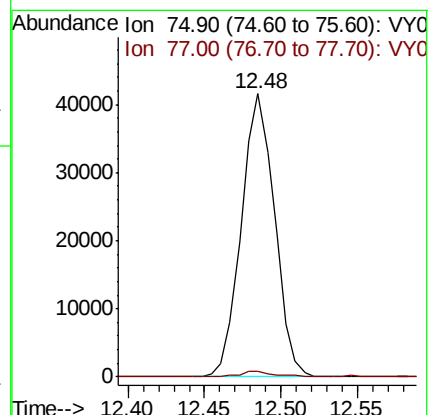
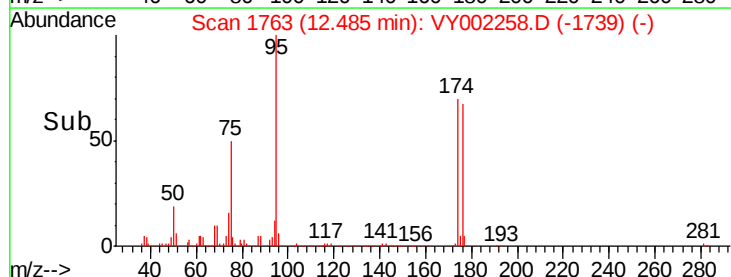
75 100

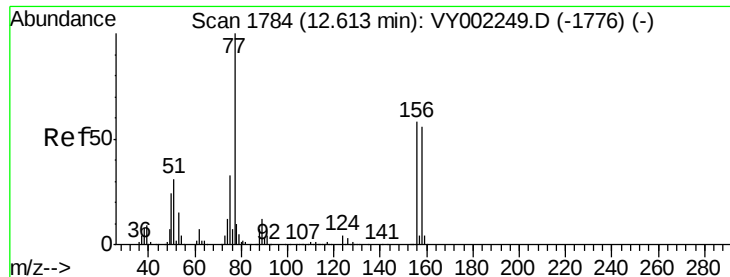
77 2.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 1.108 ug/l

RT: 12.53 min Scan# 1770

Delta R.T. -0.09 min

Lab File: VY002258.D

Acq: 08 Apr 2020 18:25

Instrument :

MSVOA_Y

ClientSampled :

CG-SUB-VO

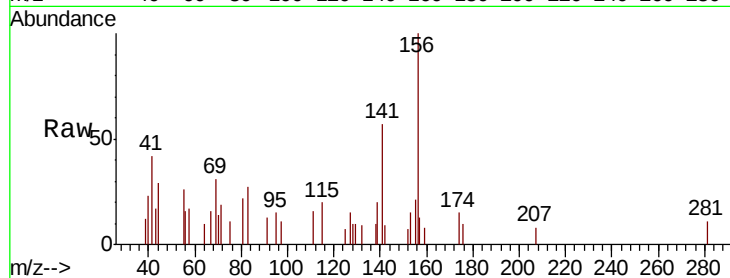
Tot Ion:156 Resp: 2266

Ion Ratio Lower Upper

156 100

77 9.8 101.3 303.9#

158 0.0 48.3 144.8#



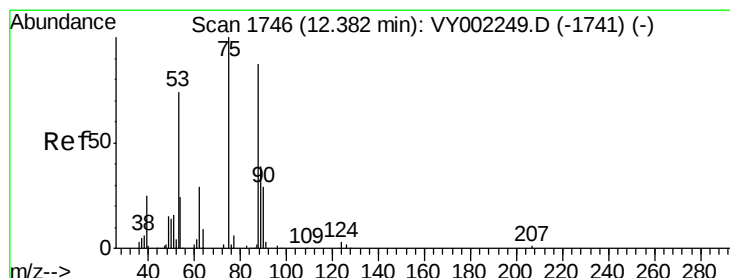
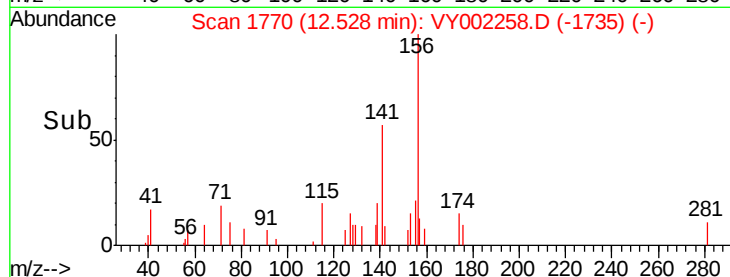
Abundance Ion 155.80 (155.50 to 156.50): VY002249.D (-1776) (-)

Ion 77.00 (76.70 to 77.70): VY002249.D (-1776) (-)

Ion 157.80 (157.50 to 158.50): VY002249.D (-1776) (-)

12.53

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 88.783 ug/l

RT: 12.48 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002258.D

Acq: 08 Apr 2020 18:25

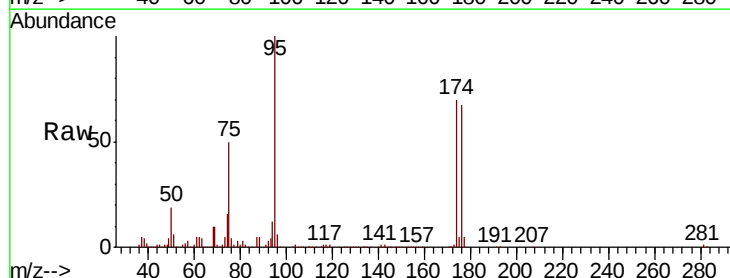
Tgt Ion: 75 Resp: 62736

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

89 0.1 37.0 55.6#



Abundance Ion 74.90 (74.60 to 75.60): VY002249.D (-1741) (-)

Ion 53.00 (52.70 to 53.70): VY002249.D (-1741) (-)

Ion 88.90 (88.60 to 89.60): VY002249.D (-1741) (-)

12.48

Time-->

