

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY051220\
 Data File : VY002659.D
 Acq On : 12 May 2020 11:27
 Operator : SY/MD
 Sample : VY0512SBL01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0512SBL01

Quant Time: May 13 02:22:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	398987	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	608857	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	548590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	259065	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	176479	52.61	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.22%	
35) Dibromofluoromethane	7.72	113	182601	52.44	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.88%	
50) Toluene-d8	10.18	98	707871	52.06	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.12%	
62) 4-Bromofluorobenzene	12.49	95	234629	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	

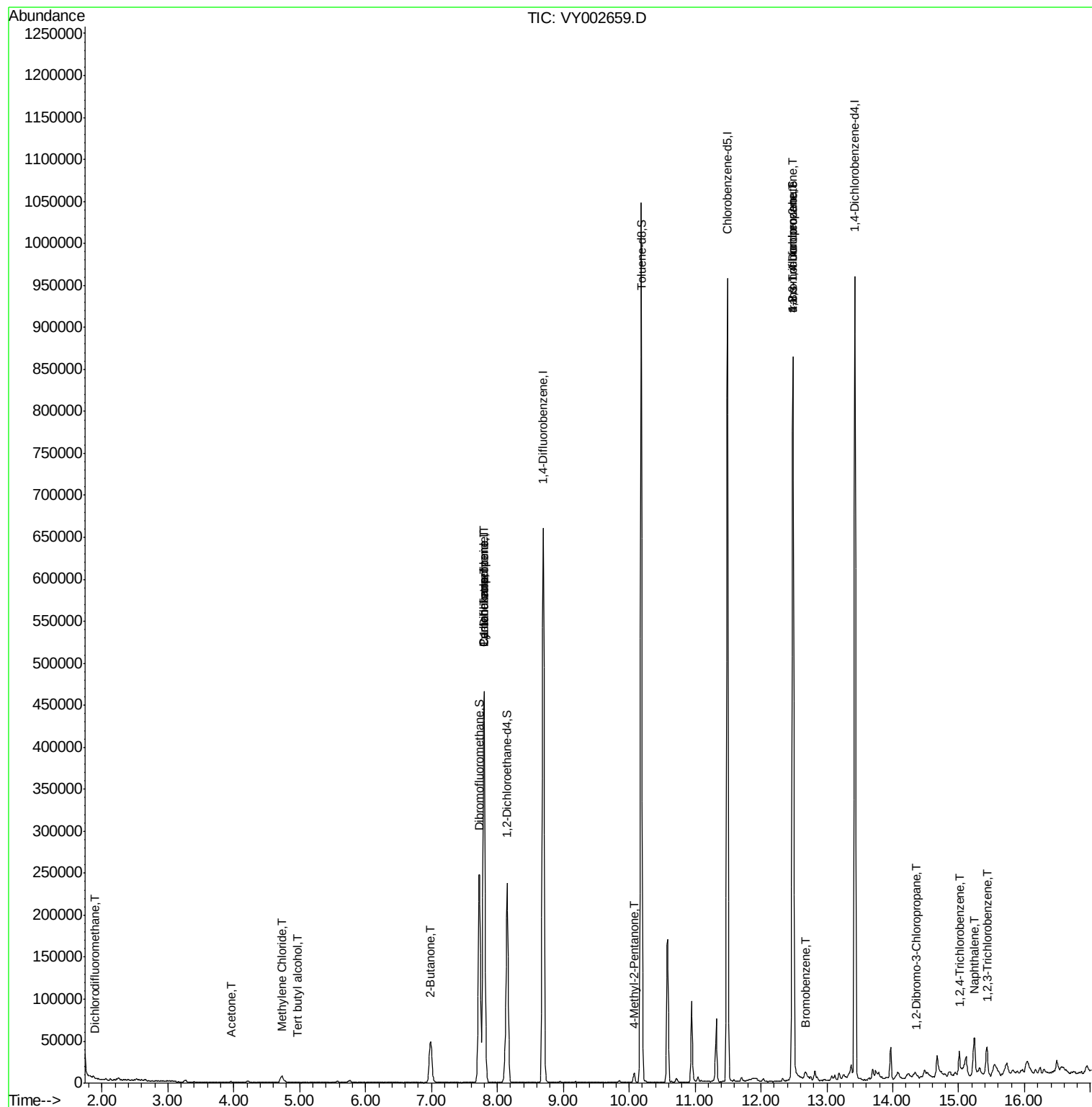
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	188	1.84	ug/l #	43
11) Tert butyl alcohol	4.97	59	1722	4.99	ug/l #	74
16) Acetone	3.96	43	1772	2.56	ug/l #	85
20) Methylene Chloride	4.73	84	6321	1.63	ug/l #	86
25) 2-Butanone	6.99	43	2533	2.24	ug/l #	79
31) Cyclohexane	7.80	56	6484	1.08	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	25146	4.93	ug/l #	48
38) Carbon Tetrachloride	7.80	117	34582	6.21	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	7523	2.97	ug/l	97
76) 1,2,3-Trichloropropane	12.48	75	113853	49.45	ug/l #	100
77) Bromobenzene	12.68	156	7535	1.80	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	113853	99.16	ug/l #	16
92) 1,2-Dibromo-3-Chloropropan	14.36	75	631	1.27	ug/l	90
93) 1,2,4-Trichlorobenzene	15.01	180	7658	1.49	ug/l	92
95) Naphthalene	15.24	128	25503	2.72	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.43	180	11987	2.75	ug/l	91

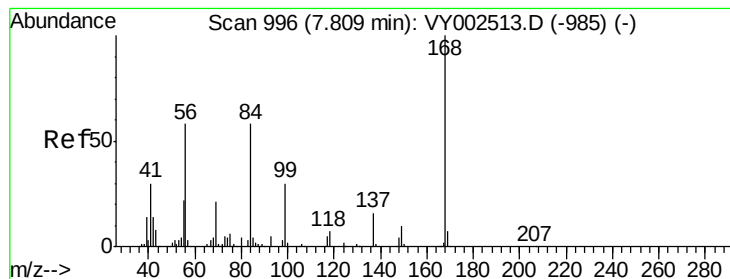
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY051220\
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Sample : VY0512SBL01
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Quant Time: May 13 02:22:31 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002659.D

Acq: 12 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

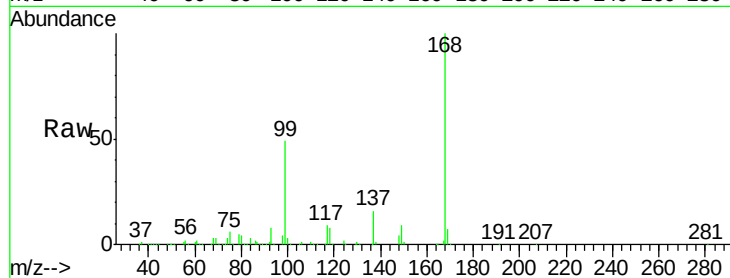
VY0512SBL01

Tgt Ion:168 Resp: 398987

Ion Ratio Lower Upper

168 100

99 49.3 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002659.D

Ion 98.90 (98.60 to 99.60): VY002659.D

7.80

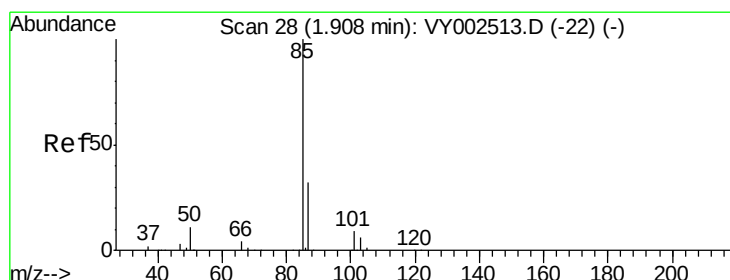
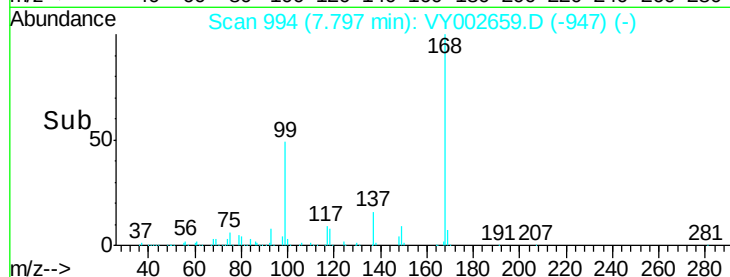
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.84 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.01 min

Lab File: VY002659.D

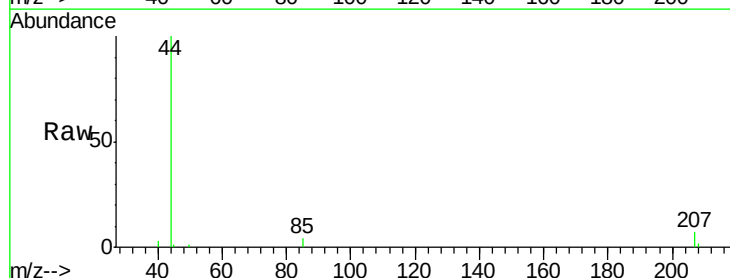
Acq: 12 May 2020 11:27

Tgt Ion: 85 Resp: 188

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002659.D

Ion 86.90 (86.60 to 87.60): VY002659.D

1.90

200

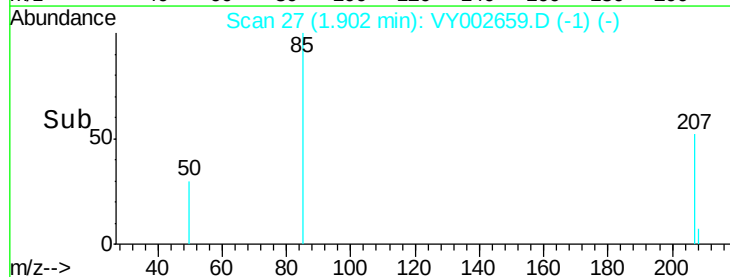
150

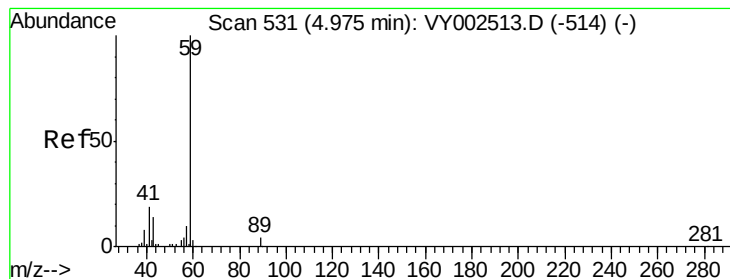
100

50

0

Time-->





#11

Tert butyl alcohol

Concen: 4.99 ug/l

RT: 4.97 min Scan# 530

Delta R.T. -0.01 min

Lab File: VY002659.D

Acq: 12 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

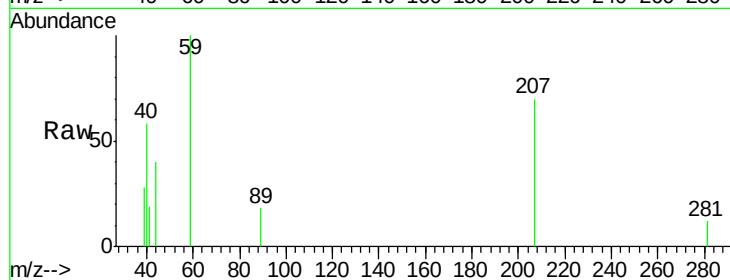
VY0512SBL01

Tgt Ion: 59 Resp: 1722

Ion Ratio Lower Upper

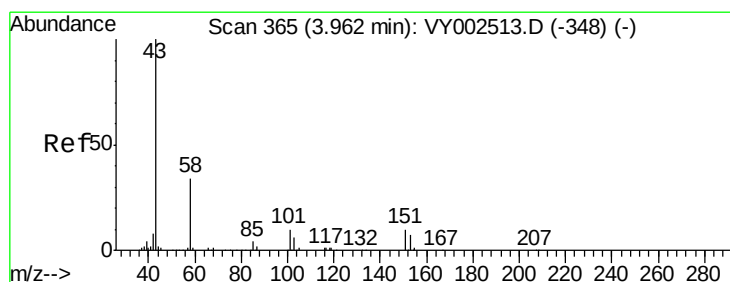
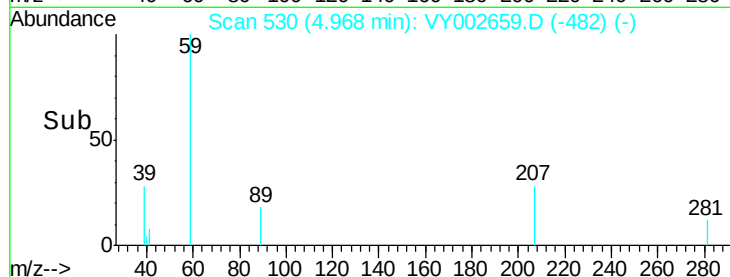
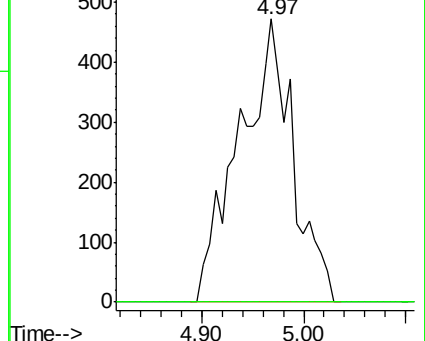
59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0



#16

Acetone

Concen: 2.56 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.00 min

Lab File: VY002659.D

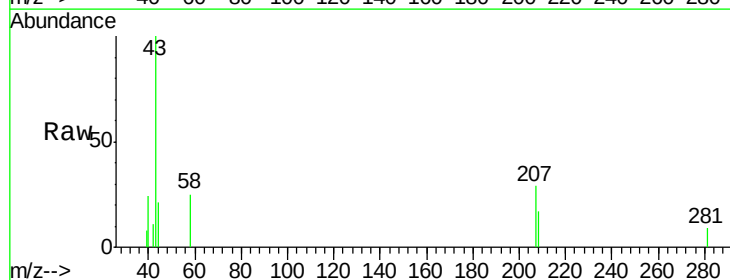
Acq: 12 May 2020 11:27

Tgt Ion: 43 Resp: 1772

Ion Ratio Lower Upper

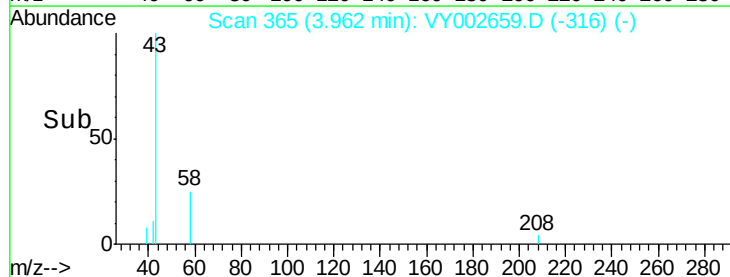
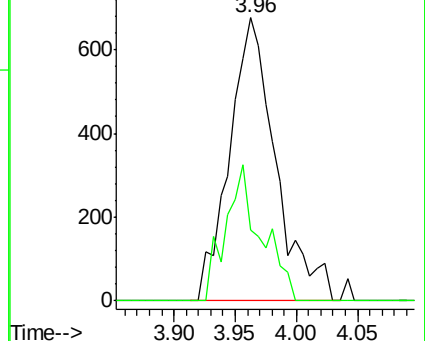
43 100

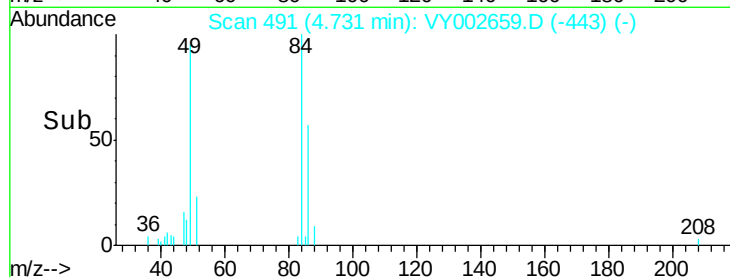
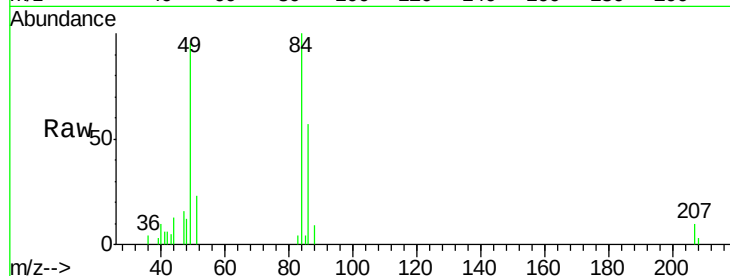
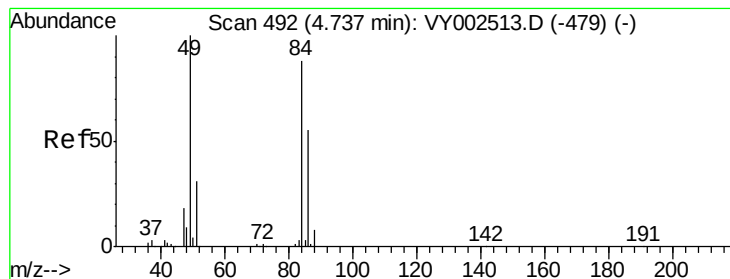
58 25.1 26.9 40.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#20

Methylene Chloride

Concen: 1.63 ug/l

RT: 4.73 min Scan# 491

Delta R.T. -0.01 min

Lab File: VY002659.D

Acq: 12 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0512SBL01

Tgt Ion: 84 Resp: 6321

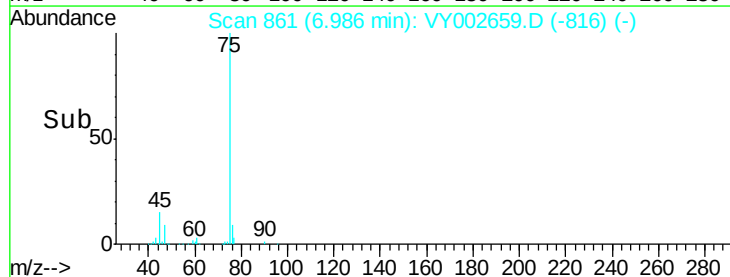
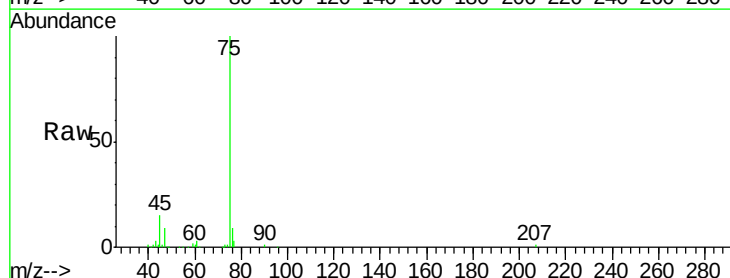
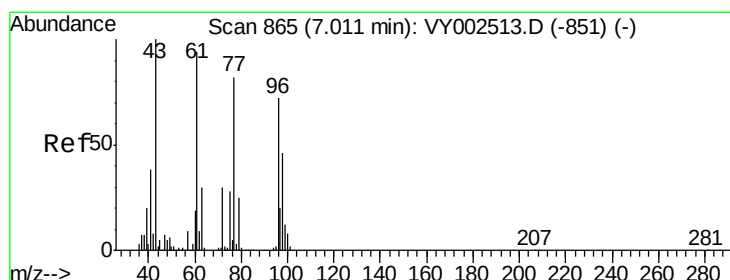
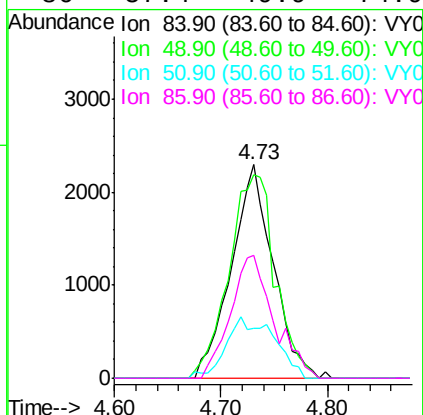
Ion Ratio Lower Upper

84 100

49 95.1 90.5 135.7

51 23.2 28.3 42.5#

86 57.4 49.9 74.9



#25

2-Butanone

Concen: 2.24 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.02 min

Lab File: VY002659.D

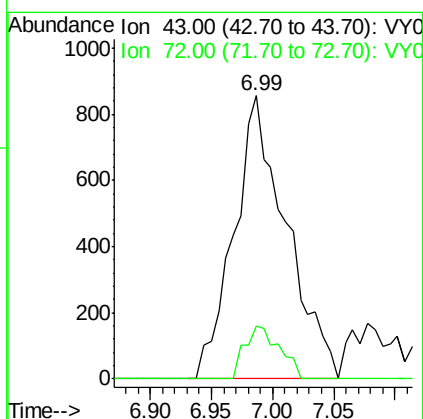
Acq: 12 May 2020 11:27

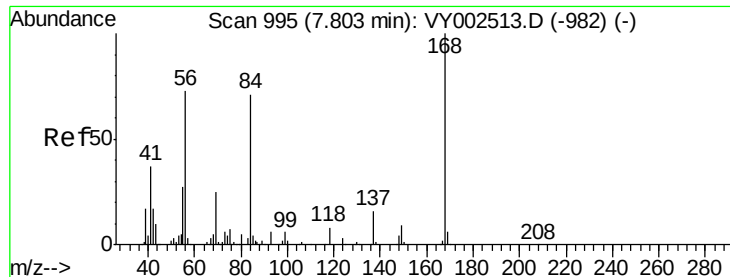
Tgt Ion: 43 Resp: 2533

Ion Ratio Lower Upper

43 100

72 18.6 24.1 36.1#

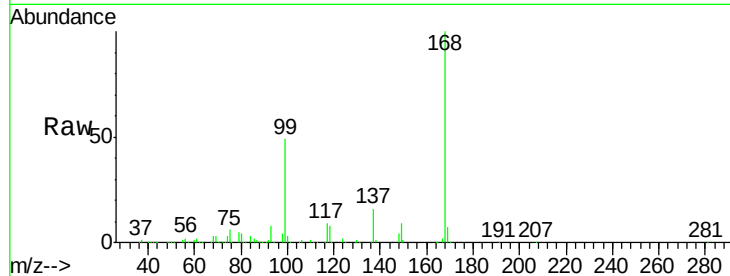




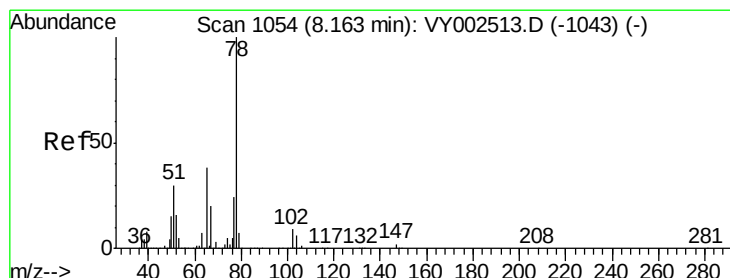
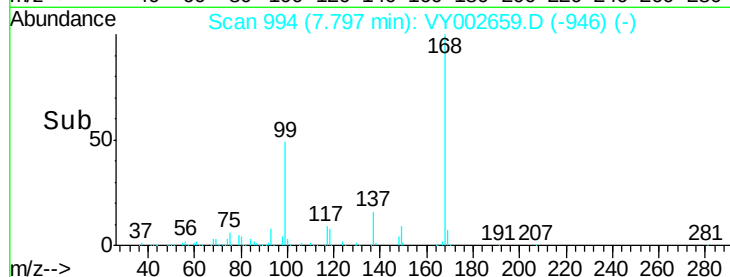
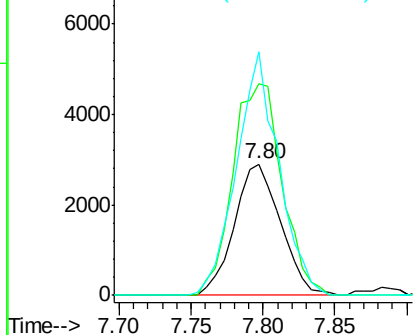
#31
Cyclohexane
Concen: 1.08 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.01 min
Lab File: VY002659.D
Acq: 12 May 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Tgt Ion: 56 Resp: 6484
Ion Ratio Lower Upper
56 100
69 161.7 27.6 41.4#
84 185.6 77.7 116.5#

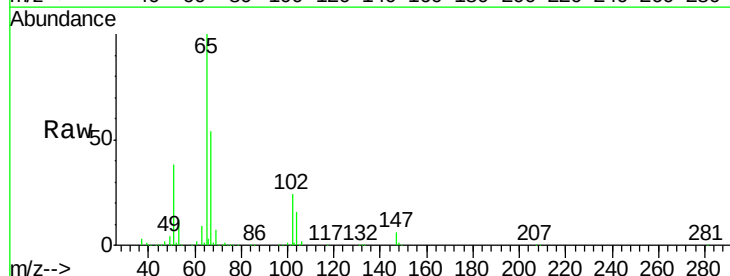


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

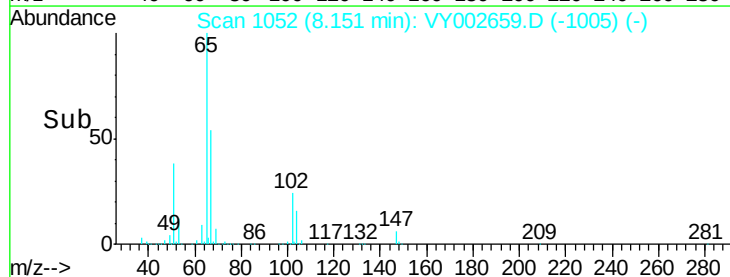
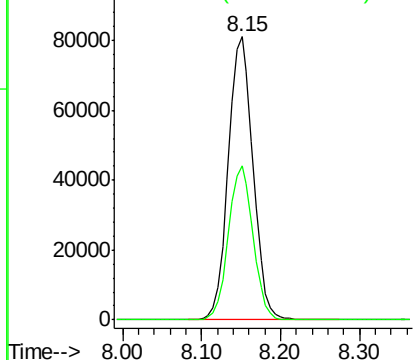


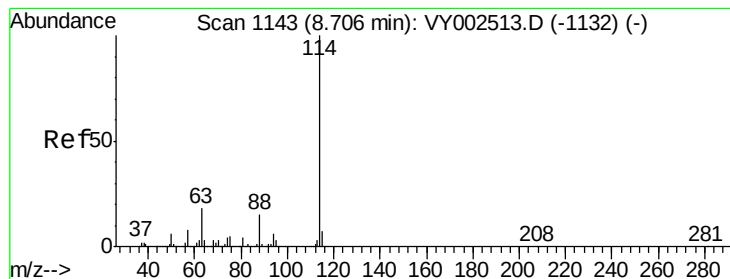
#33
1,2-Dichloroethane-d4
Concen: 52.61 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VY002659.D
Acq: 12 May 2020 11:27

Tgt Ion: 65 Resp: 176479
Ion Ratio Lower Upper
65 100
67 54.0 0.0 107.2



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY002659.D

Acq: 12 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0512SBL01

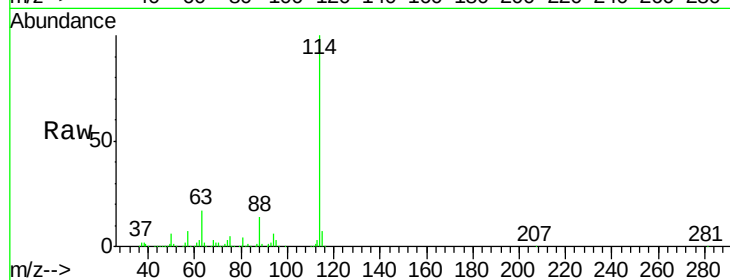
Tgt Ion:114 Resp: 608857

Ion Ratio Lower Upper

114 100

63 16.6 0.0 36.4

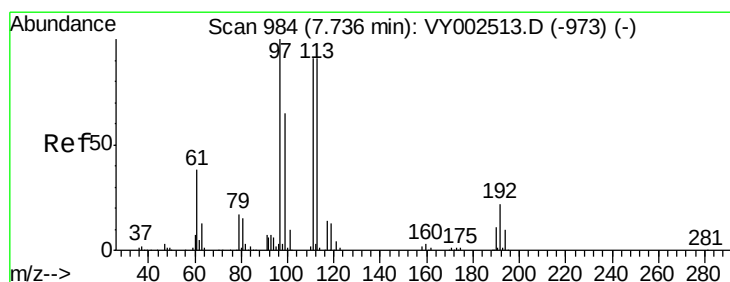
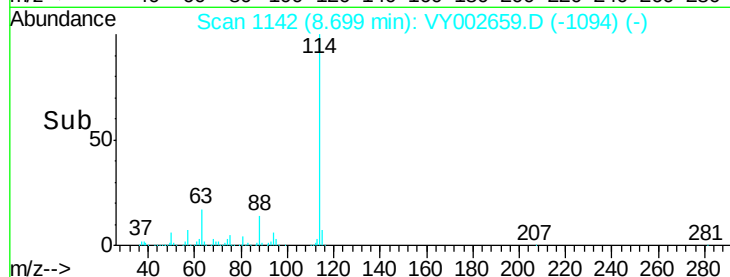
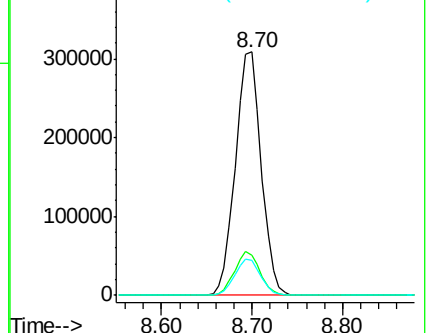
88 14.4 0.0 29.6



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: 52.44 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY002659.D

Acq: 12 May 2020 11:27

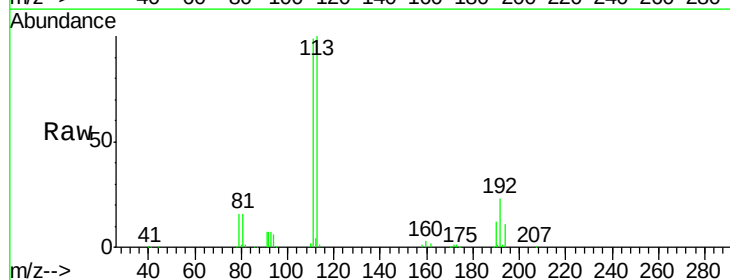
Tgt Ion:113 Resp: 182601

Ion Ratio Lower Upper

113 100

111 101.7 81.8 122.6

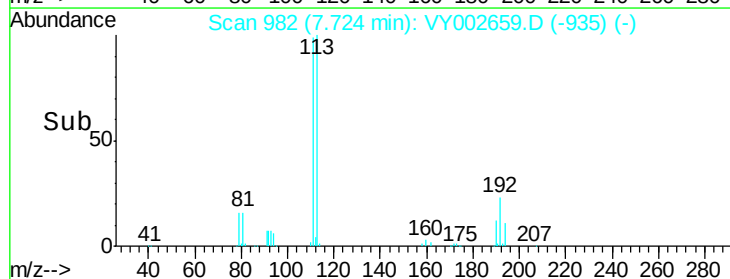
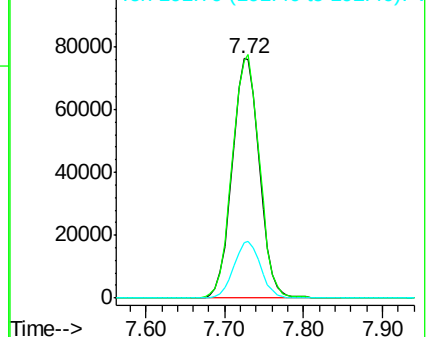
192 23.3 18.2 27.4

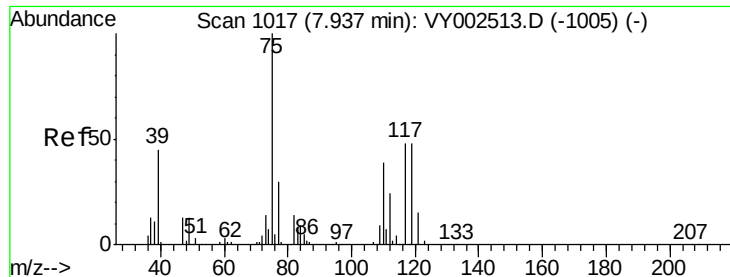


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

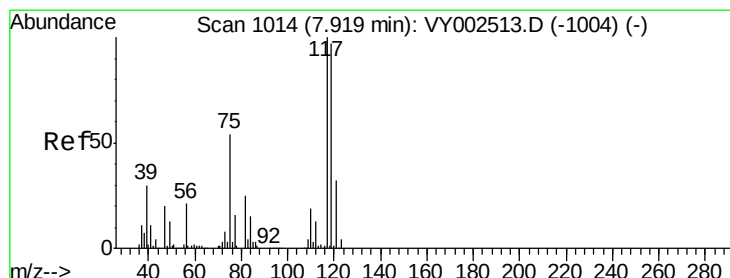
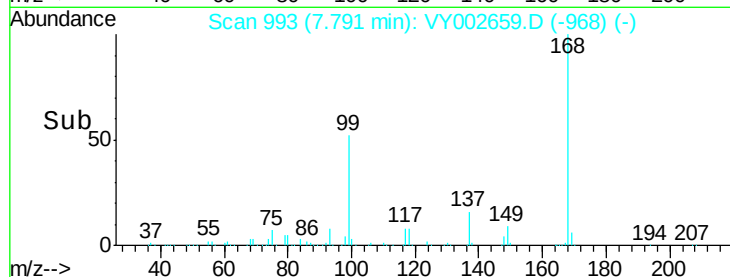
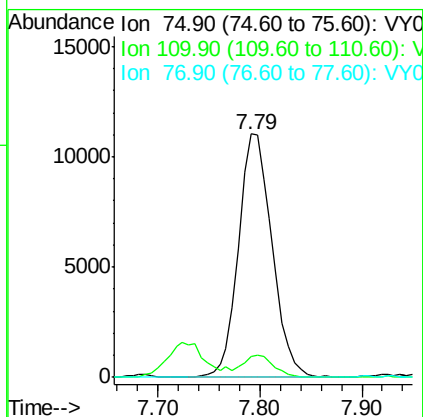
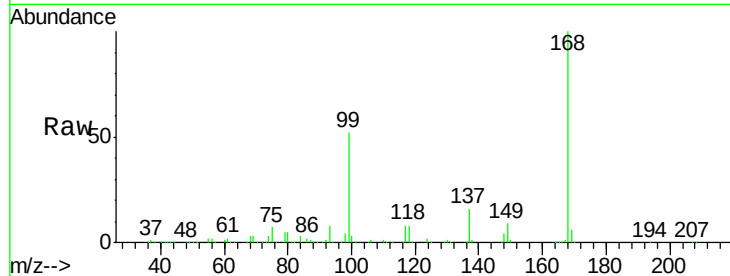




#36
 1,1-Dichloropropene
 Concen: 4.93 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.15 min
 Lab File: VY002659.D
 Acq: 12 May 2020 11:27

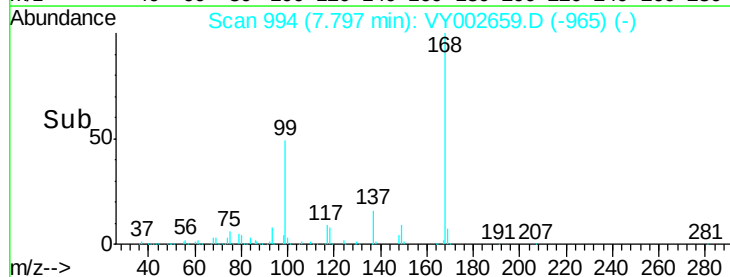
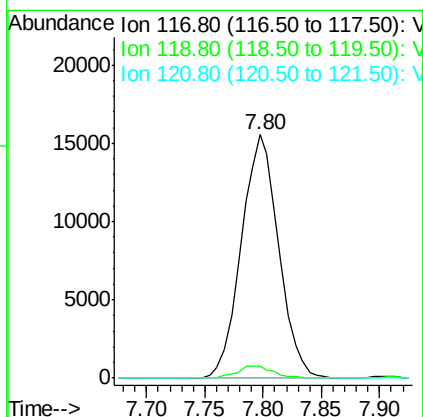
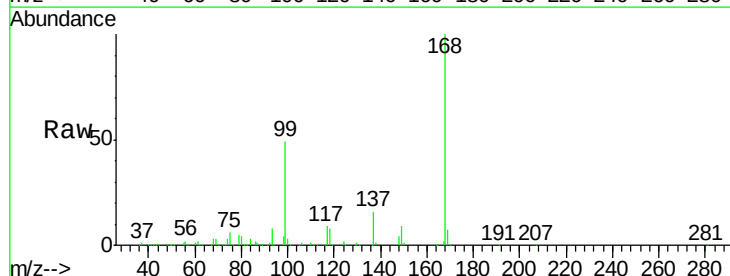
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0512SBL01

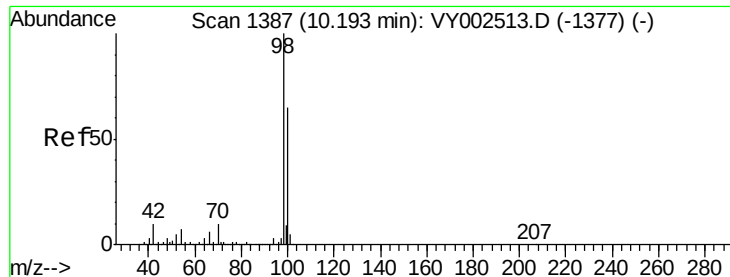
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	19.1	57.3#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.21 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY002659.D
 Acq: 12 May 2020 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	77.1	115.7#
121	0.0	25.2	37.8#





#50

Toluene-d8

Concen: 52.06 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002659.D

Acq: 12 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

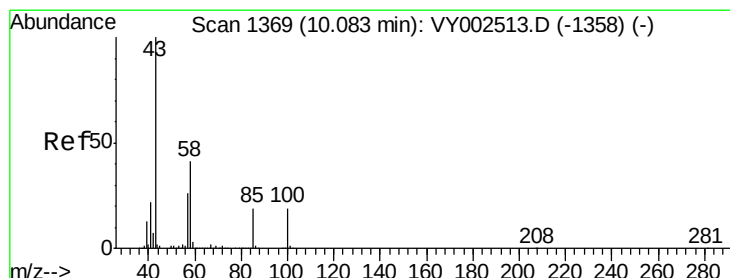
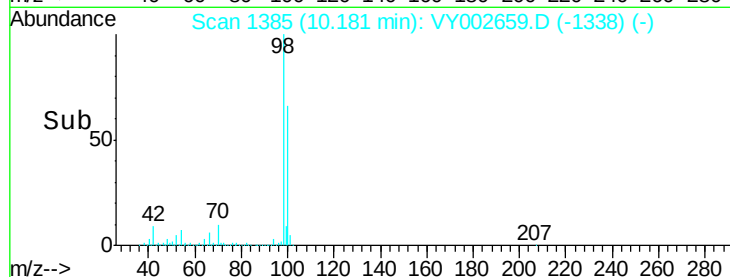
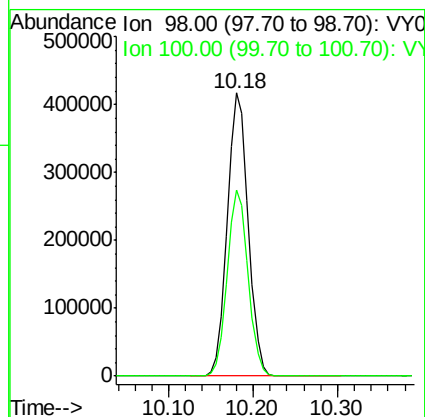
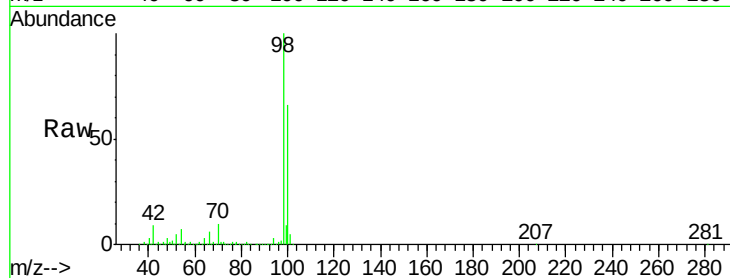
VY0512SBL01

Tgt Ion: 98 Resp: 707871

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 2.97 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY002659.D

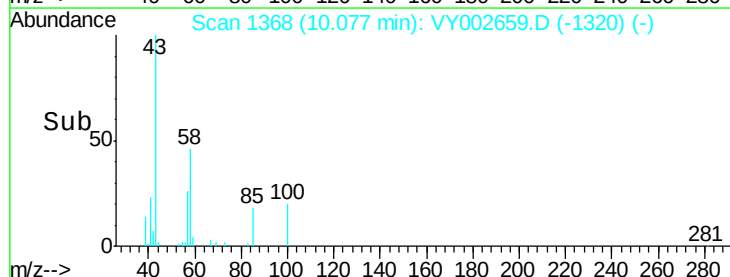
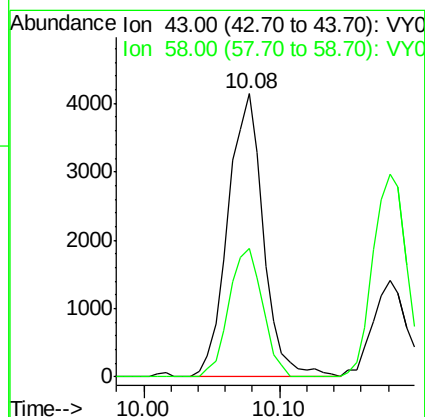
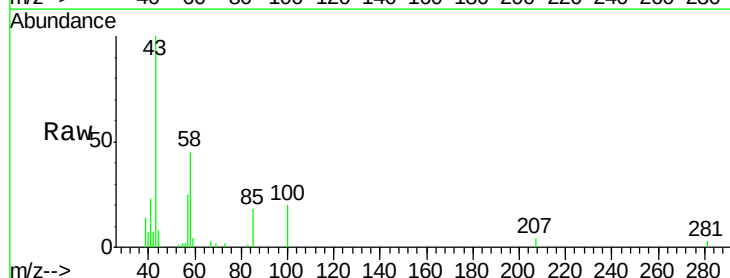
Acq: 12 May 2020 11:27

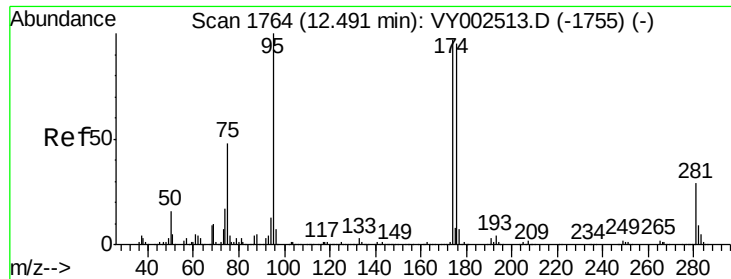
Tgt Ion: 43 Resp: 7523

Ion Ratio Lower Upper

43 100

58 43.1 33.2 49.8





#62

4-Bromofluorobenzene

Concen: 50.85 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002659.D

Acq: 12 May 2020 11:27

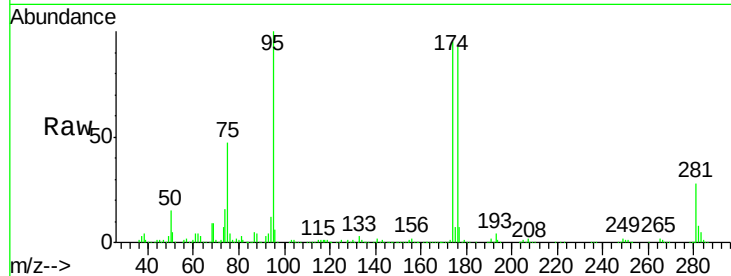
Instrument :

MSVOA_Y

ClientSampleId :

VY0512SBL01

Tgt Ion:	95	Resp:	234629
Ion	Ratio	Lower	Upper
95	100		
174	92.1	0.0	188.8
176	89.8	0.0	183.2

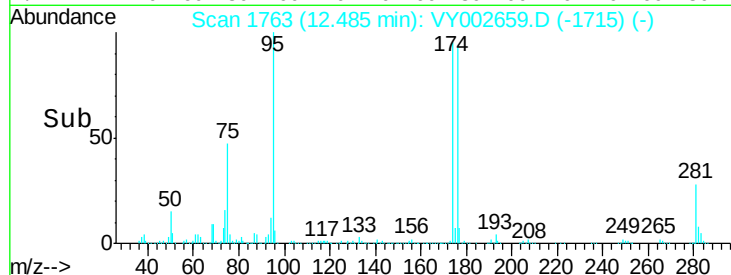


Abundance Ion 94.90 (94.60 to 95.60): VY002659.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY002659.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY002659.D (-1755) (-)

Time-->

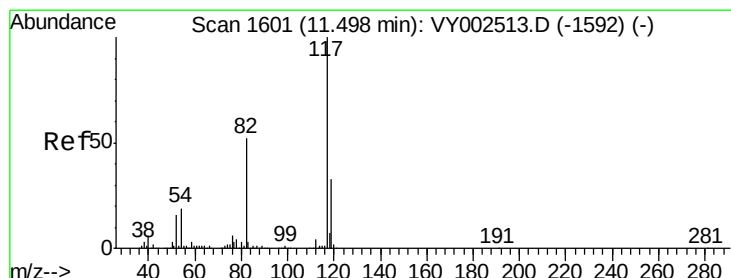


Abundance Ion 94.90 (94.60 to 95.60): VY002659.D (-1715) (-)

Ion 173.80 (173.50 to 174.50): VY002659.D (-1715) (-)

Ion 175.80 (175.50 to 176.50): VY002659.D (-1715) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

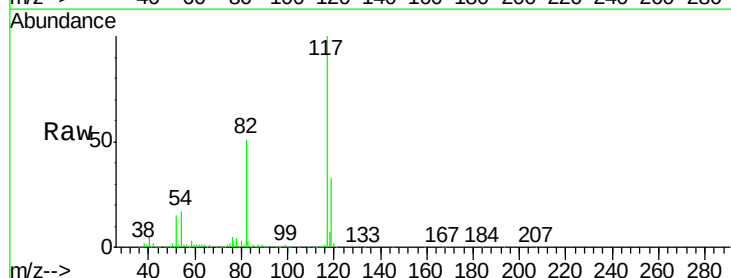
RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY002659.D

Acq: 12 May 2020 11:27

Tgt Ion:	117	Resp:	548590
Ion	Ratio	Lower	Upper
117	100		
82	50.7	41.3	61.9
119	32.6	26.0	39.0

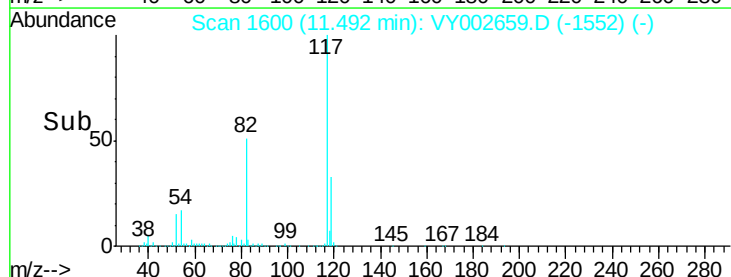


Abundance Ion 116.90 (116.60 to 117.60): VY002659.D (-1592) (-)

Ion 82.00 (81.70 to 82.70): VY002659.D (-1592) (-)

Ion 118.90 (118.60 to 119.60): VY002659.D (-1592) (-)

Time-->

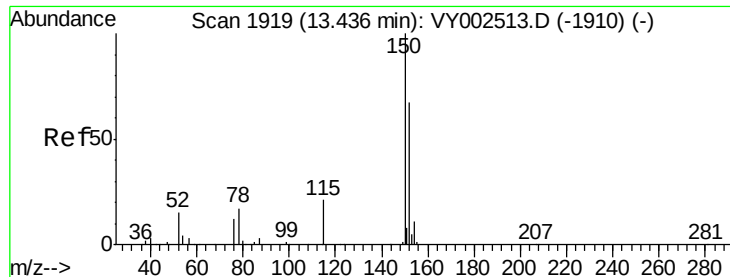


Abundance Ion 116.90 (116.60 to 117.60): VY002659.D (-1552) (-)

Ion 82.00 (81.70 to 82.70): VY002659.D (-1552) (-)

Ion 118.90 (118.60 to 119.60): VY002659.D (-1552) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY002659.D

Acq: 12 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0512SBL01

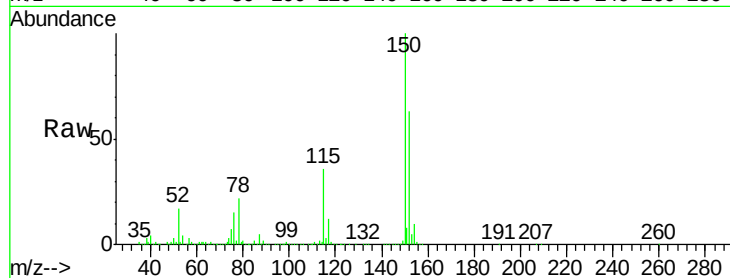
Tgt Ion:152 Resp: 259065

Ion Ratio Lower Upper

152 100

115 55.2 27.5 82.4

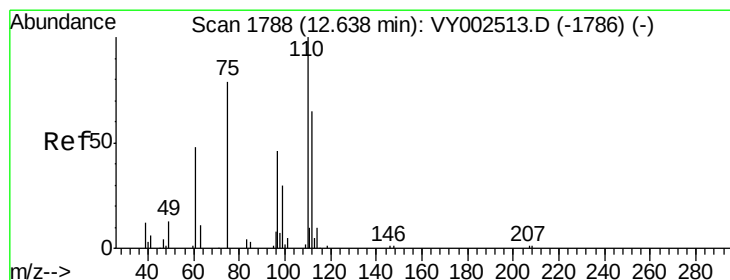
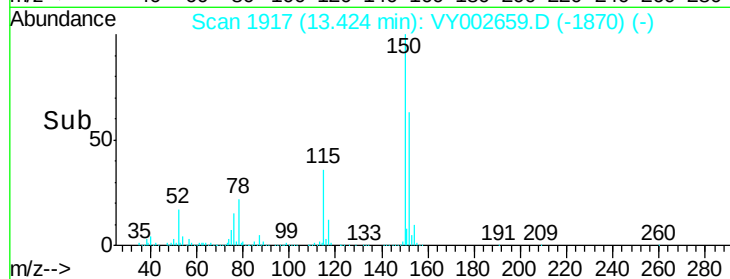
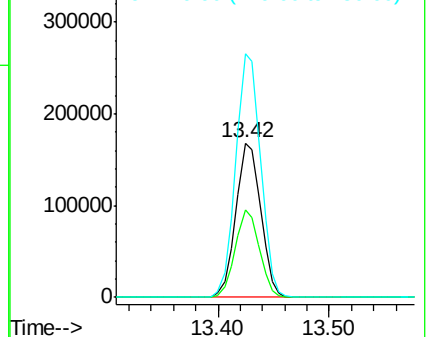
150 158.0 0.0 346.4



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: 49.45 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY002659.D

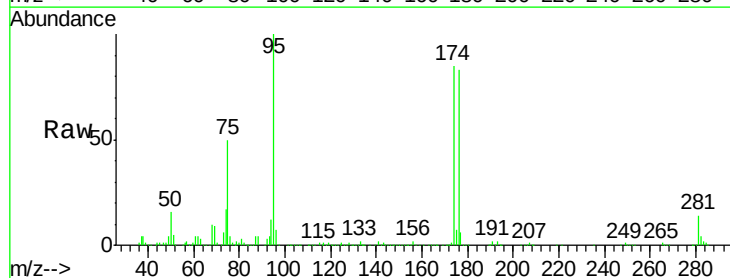
Acq: 12 May 2020 11:27

Tgt Ion: 75 Resp: 113853

Ion Ratio Lower Upper

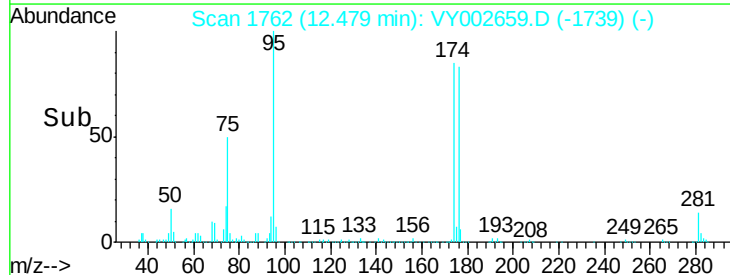
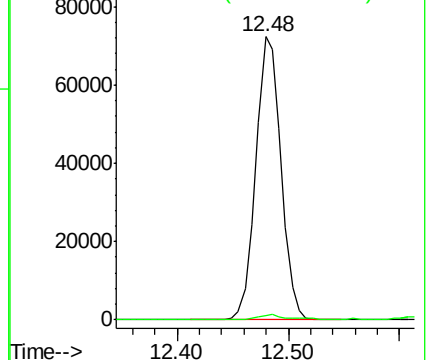
75 100

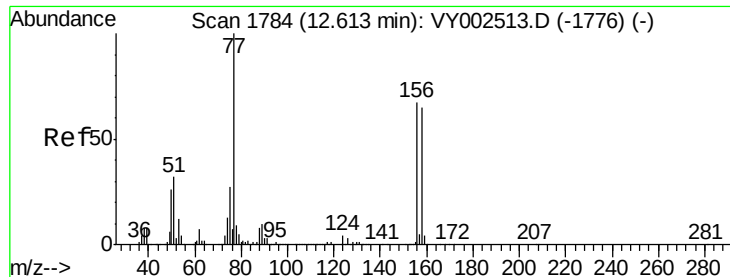
77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 1.80 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.07 min

Lab File: VY002659.D

Acq: 12 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0512SBL01

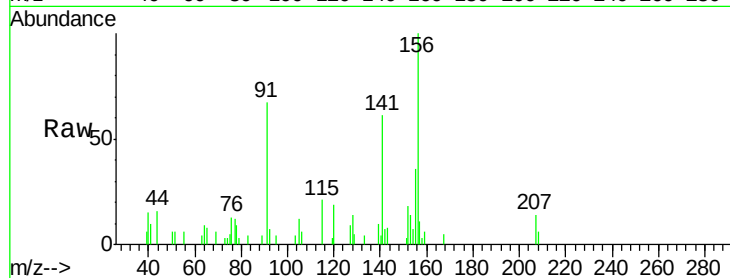
Tgt Ion:156 Resp: 7535

Ion Ratio Lower Upper

156 100

77 3.1 82.0 245.8#

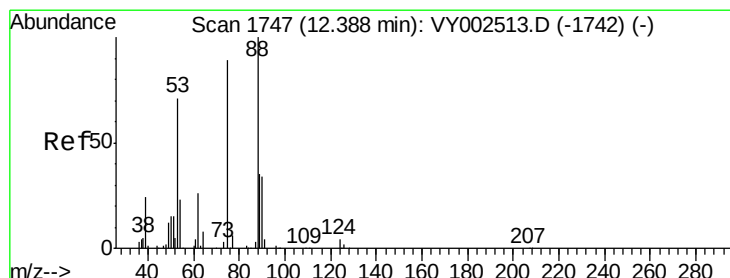
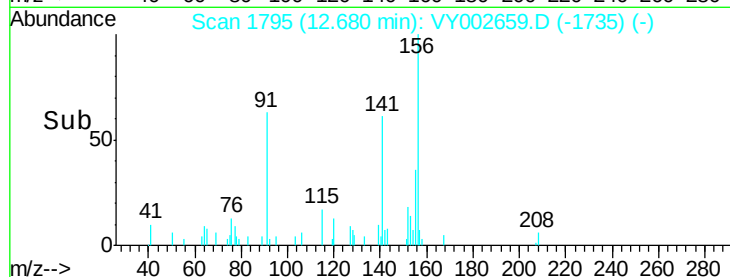
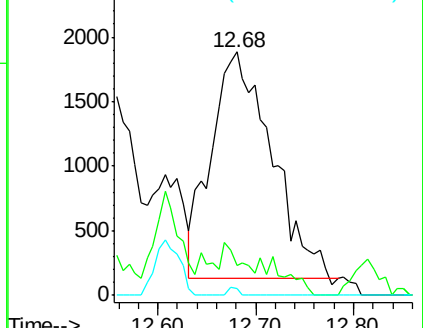
158 0.5 48.5 145.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 99.16 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002659.D

Acq: 12 May 2020 11:27

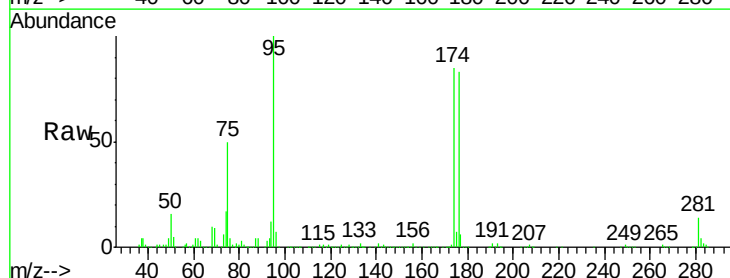
Tgt Ion: 75 Resp: 113853

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

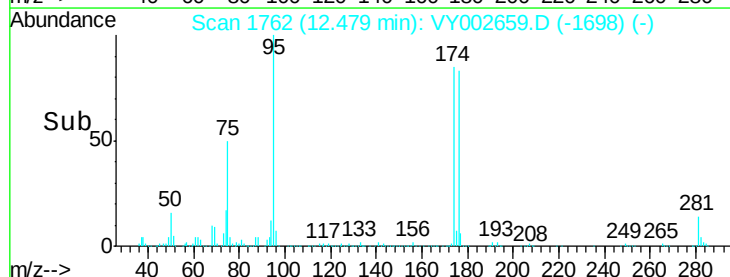
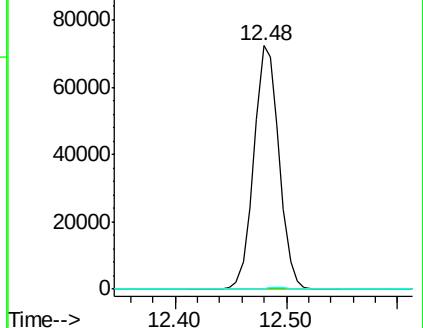
89 0.8 37.4 56.0#

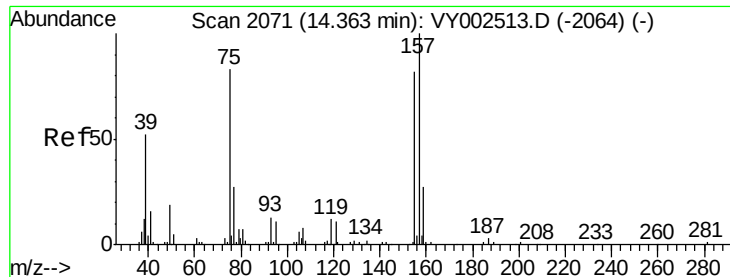


Abundance Ion 74.90 (74.60 to 75.60): VY0

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: 1.27 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. -0.01 min

Lab File: VY002659.D

Acq: 12 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0512SBL01

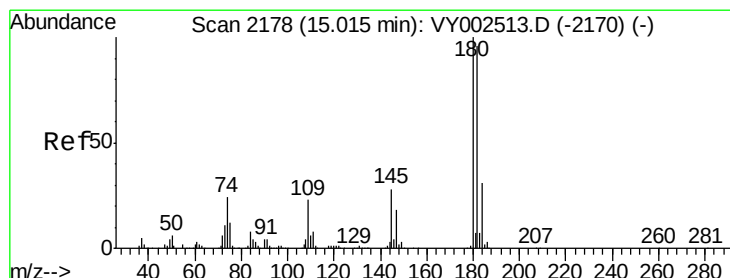
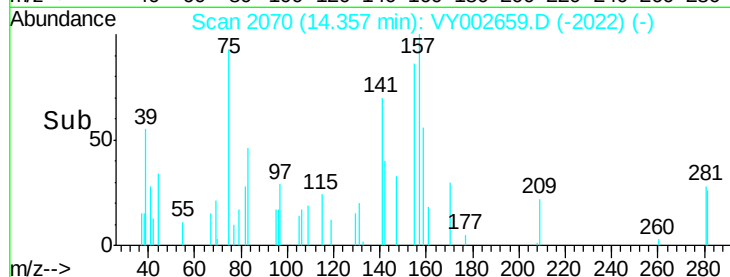
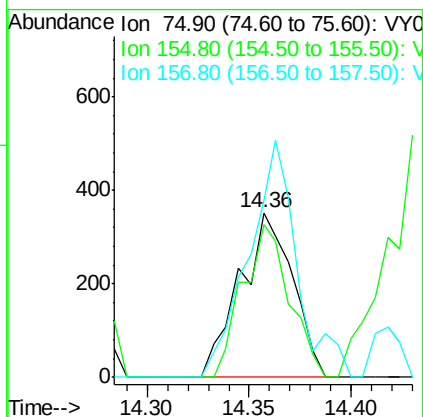
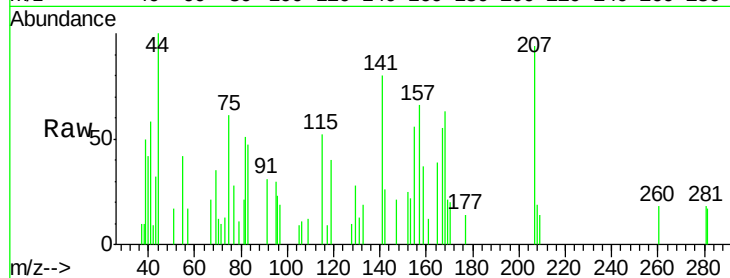
Tgt Ion: 75 Resp: 631

Ion Ratio Lower Upper

75 100

155 82.1 51.3 153.9

157 132.6 65.0 195.0



#93

1,2,4-Trichlorobenzene

Concen: 1.49 ug/l

RT: 15.01 min Scan# 2177

Delta R.T. -0.01 min

Lab File: VY002659.D

Acq: 12 May 2020 11:27

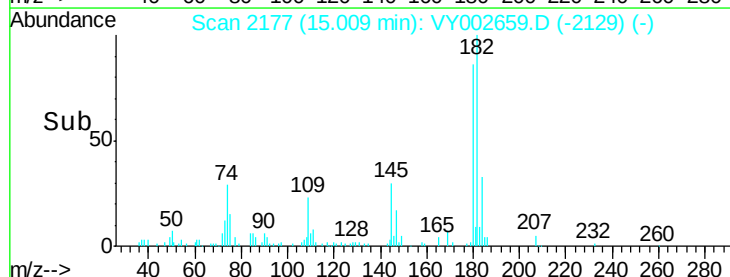
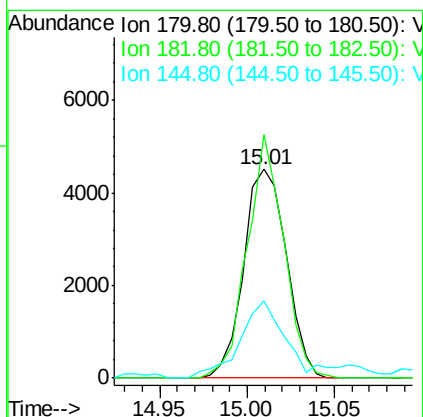
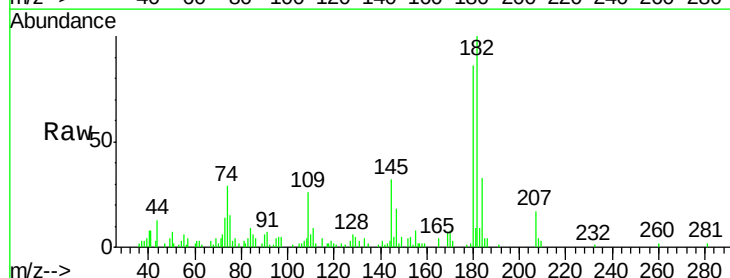
Tgt Ion: 180 Resp: 7658

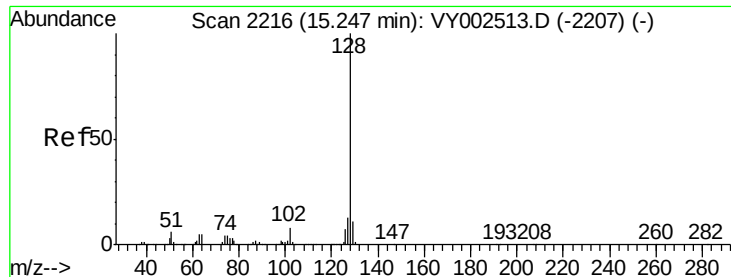
Ion Ratio Lower Upper

180 100

182 100.1 47.9 143.6

145 40.2 14.4 43.0





#95

Naphthalene

Concen: 2.72 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY002659.D

Acq: 12 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0512SBL01

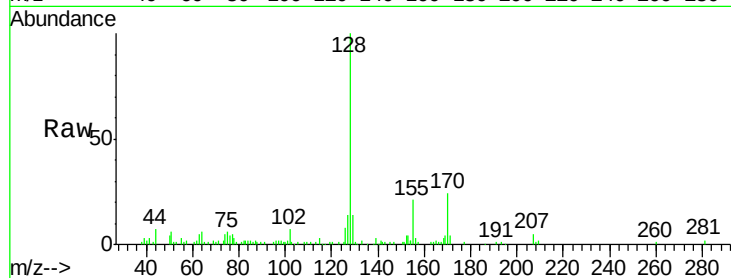
Tgt Ion:128 Resp: 25503

Ion Ratio Lower Upper

128 100

127 15.4 10.5 15.7

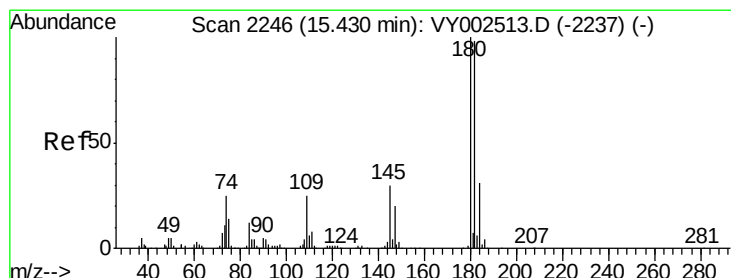
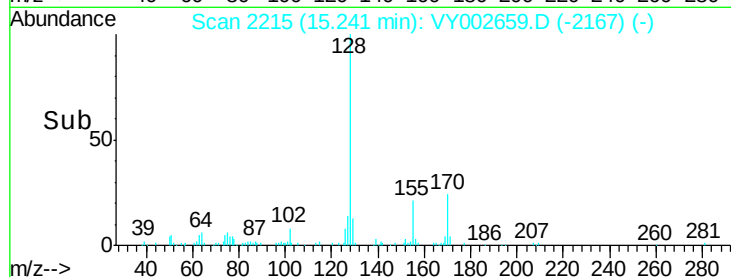
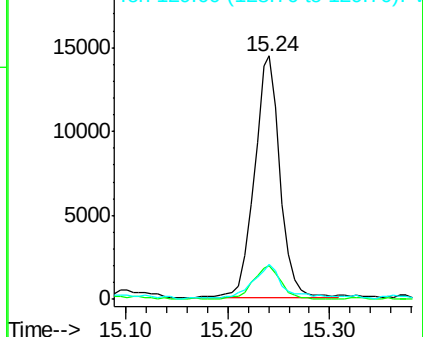
129 16.3 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.75 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VY002659.D

Acq: 12 May 2020 11:27

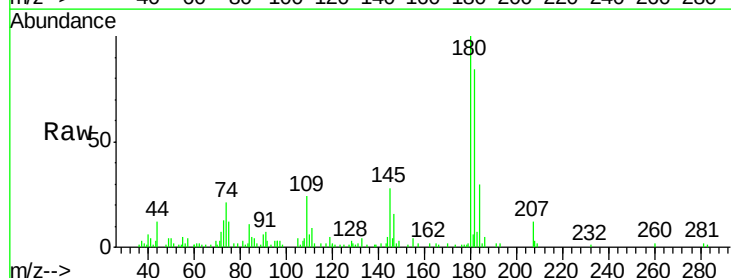
Tgt Ion:180 Resp: 11987

Ion Ratio Lower Upper

180 100

182 89.4 47.9 143.8

145 38.6 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

