

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
 Data File : VY003020.D
 Acq On : 29 Jun 2020 20:41
 Operator : SY/MD
 Sample : L3153-04
 Misc : 6.78G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP1-B

Quant Time: Jun 30 06:02:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	411126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	658264	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	605816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	270487	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	225496	55.22	ug/l	0.00
Spiked Amount			Recovery	=	110.44%	
35) Dibromofluoromethane	7.72	113	214396	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	
50) Toluene-d8	10.18	98	782914	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
62) 4-Bromofluorobenzene	12.48	95	264875	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	

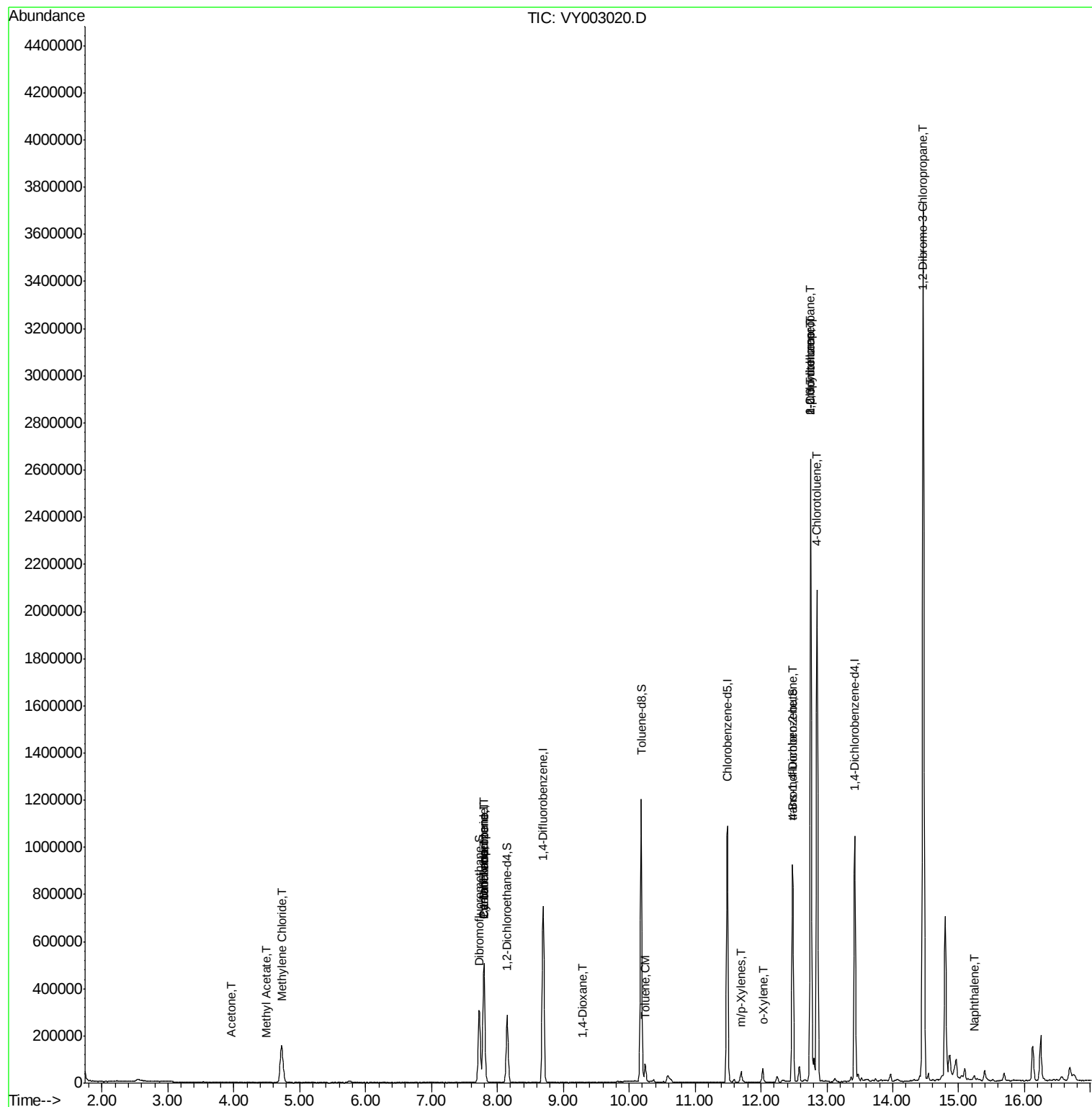
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	6011	6.242	ug/l	90
18) Methyl Acetate	4.49	43	3393	1.308	ug/l	93
20) Methylene Chloride	4.73	84	123215	25.216	ug/l	95
31) Cyclohexane	7.80	56	7723	1.075	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	27642	4.359	ug/l #	50
38) Carbon Tetrachloride	7.80	117	37077	5.620	ug/l #	17
49) 1,4-Dioxane	9.30	88	59	1.853	ug/l #	65
52) Toluene	10.24	92	29002	2.654	ug/l	96
68) m/p-Xylenes	11.70	106	13932	1.713	ug/l	94
69) o-Xylene	12.03	106	15339	2.001	ug/l	97
76) 1,2,3-Trichloropropane	12.75	75	38546	14.399	ug/l #	100
78) n-propylbenzene	12.75	91	1428658	67.106	ug/l #	53
79) 2-Chlorotoluene	12.75	91	1428658	120.224	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.48	75	134938	98.070	ug/l #	12
82) 4-Chlorotoluene	12.85	91	1157590	93.562	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.46	75	77023	121.796	ug/l #	1
95) Naphthalene	15.23	128	12741	1.235	ug/l #	91

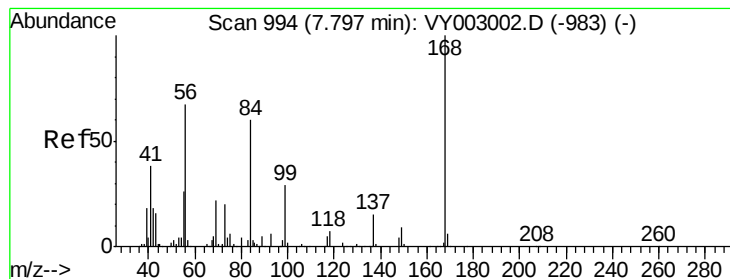
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
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MSVOA_Y
ClientSampleId :
SP1-B

Quant Time: Jun 30 06:02:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 2020
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: VY003020.D

Acq: 29 Jun 2020 20:41

Instrument :

MSVOA_Y

ClientSampled :

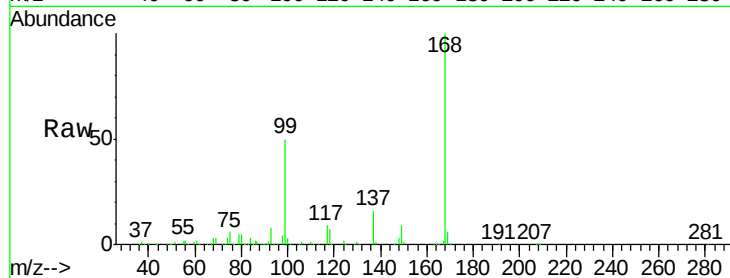
SP1-B

Tot Ion:168 Resp: 411126

Ion Ratio Lower Upper

168 100

99 50.2 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003002.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003002.D (-983) (-)

7.80

200000

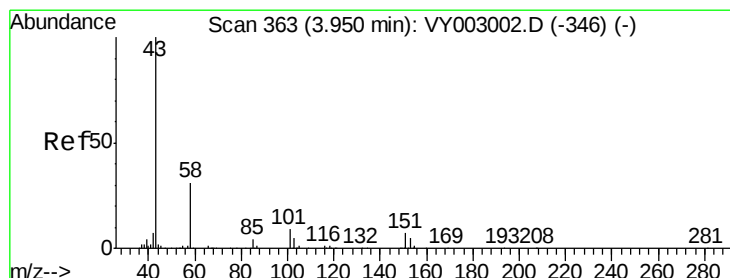
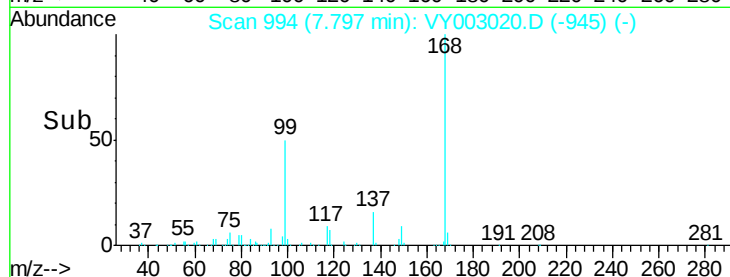
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 6.242 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003020.D

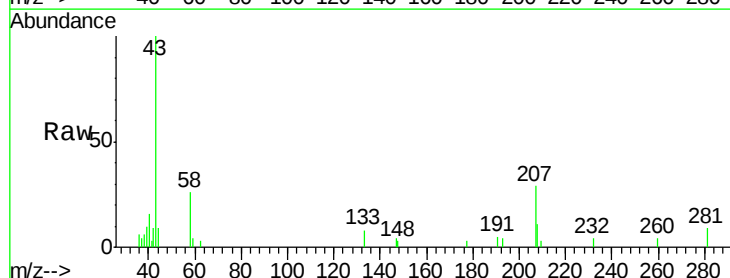
Acq: 29 Jun 2020 20:41

Tgt Ion: 43 Resp: 6011

Ion Ratio Lower Upper

43 100

58 25.6 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY003002.D (-346) (-)

Ion 58.00 (57.70 to 58.70): VY003002.D (-346) (-)

3.96

2000

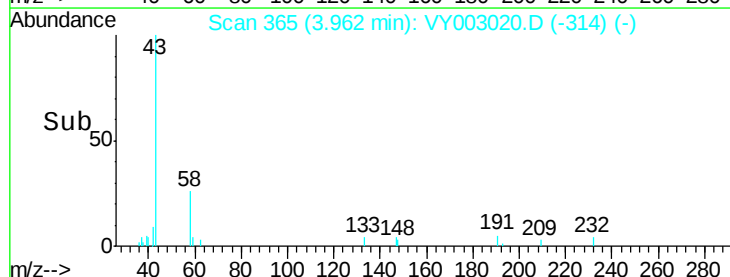
1500

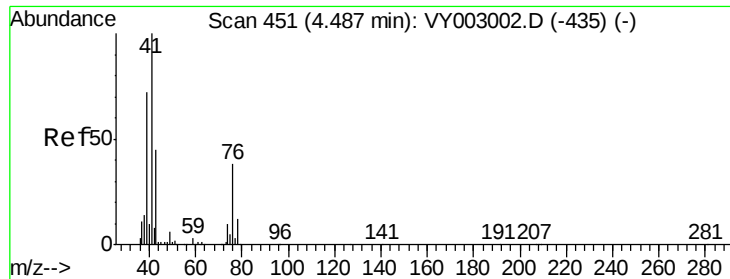
1000

500

0

Time-->

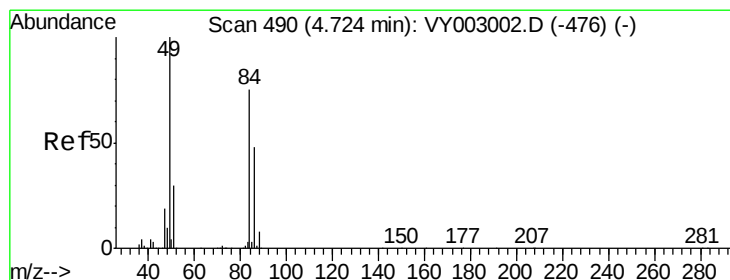
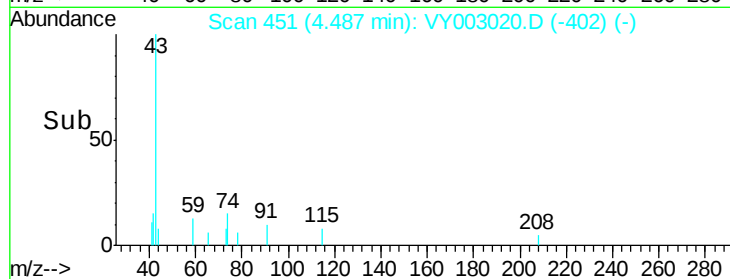
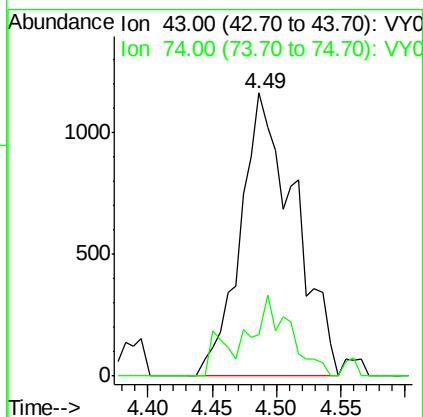
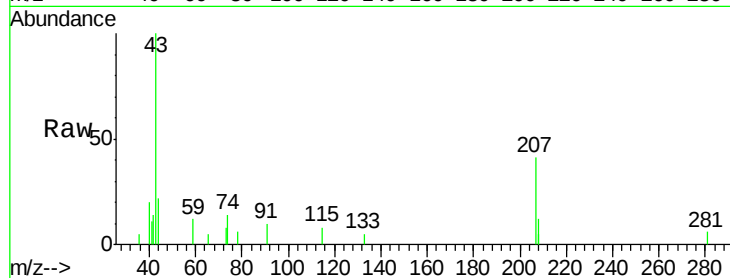




#18
Methvl Acetate
Concen: 1.308 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY003020.D
Acq: 29 Jun 2020 20:41

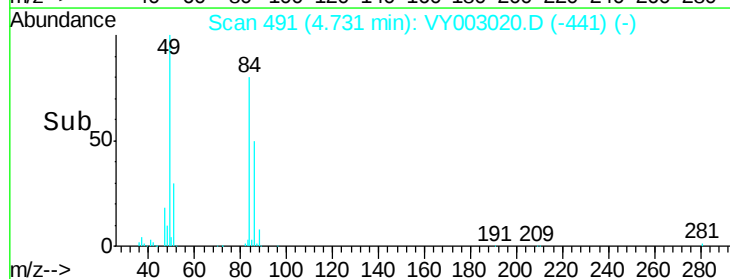
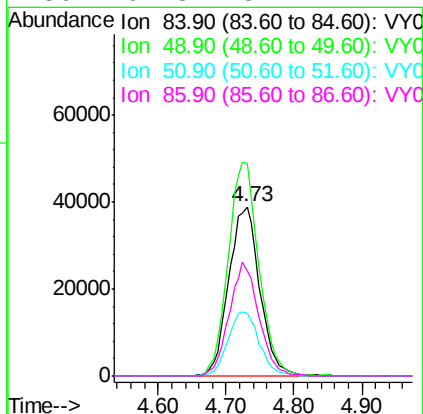
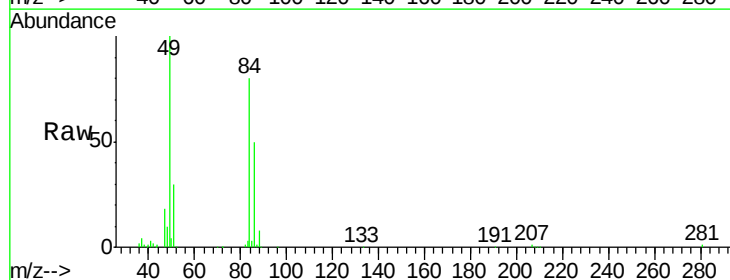
Instrument :
MSVOA_Y
ClientSampled :
SP1-B

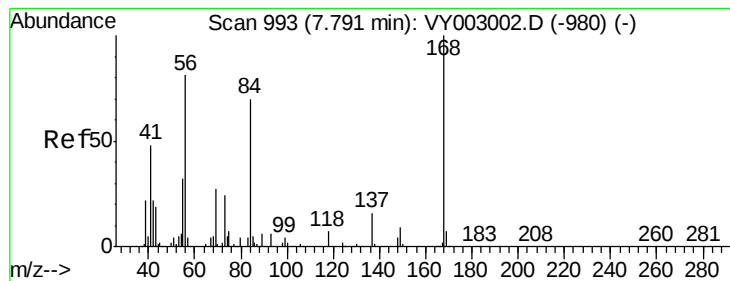
Tot Ion: 43 Resp: 3393
Ion Ratio Lower Upper
43 100
74 19.3 18.2 27.4



#20
Methylene Chloride
Concen: 25.216 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003020.D
Acq: 29 Jun 2020 20:41

Tgt Ion: 84 Resp: 123215
Ion Ratio Lower Upper
84 100
49 125.7 106.8 160.2
51 37.2 32.0 48.0
86 62.3 51.4 77.2





#31

Cyclohexane

Concen: 1.075 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003020.D

Acq: 29 Jun 2020 20:41

Instrument :

MSVOA_Y

ClientSampleId :

SP1-B

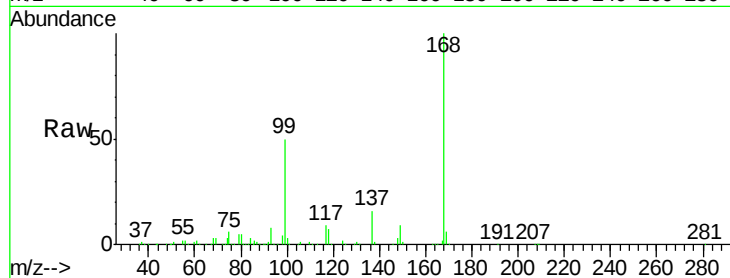
Tot Ion: 56 Resp: 7723

Ion Ratio Lower Upper

56 100

69 153.0 27.0 40.4#

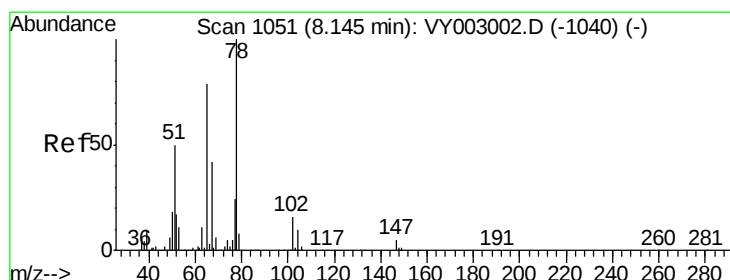
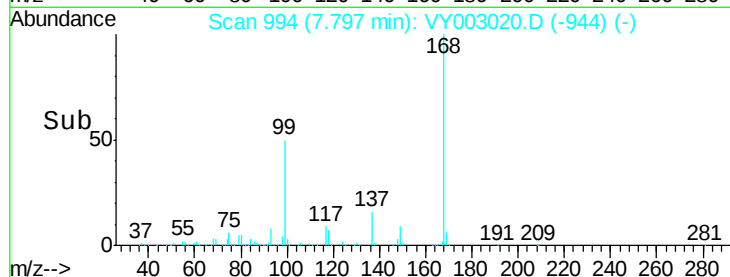
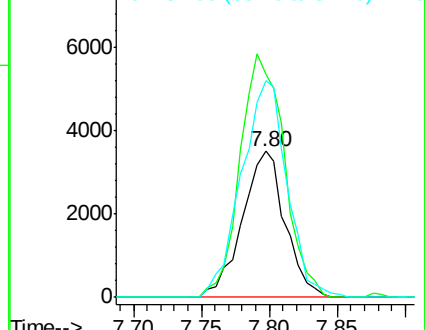
84 148.7 68.1 102.1#



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: 55.224 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003020.D

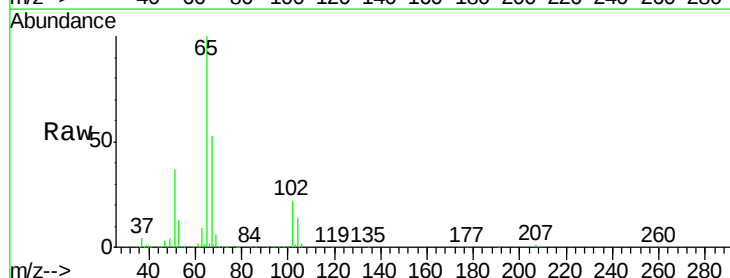
Acq: 29 Jun 2020 20:41

Tgt Ion: 65 Resp: 225496

Ion Ratio Lower Upper

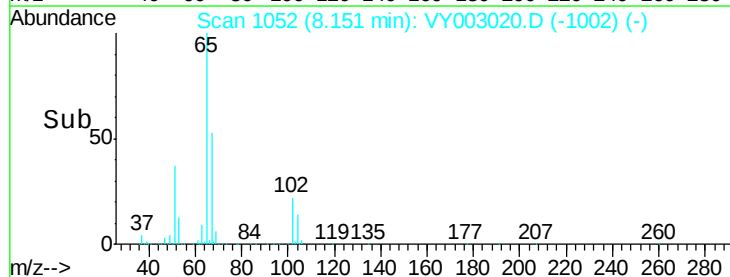
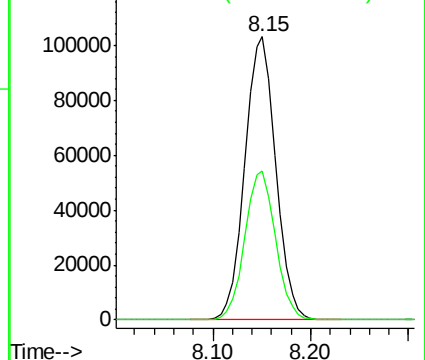
65 100

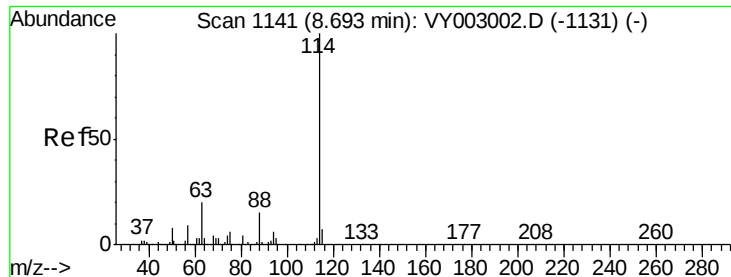
67 52.2 0.0 105.6



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: VY003020.D

Acq: 29 Jun 2020 20:41

Instrument :

MSVOA_Y

ClientSampleId :

SP1-B

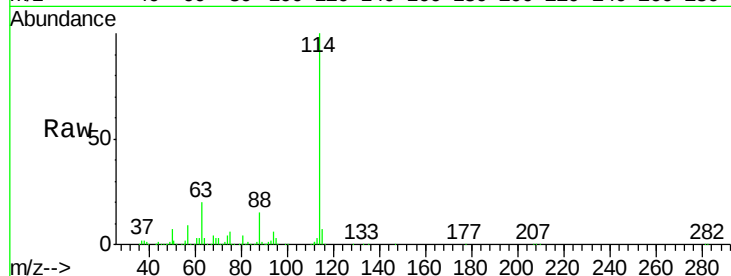
Tot Ion:114 Resp: 658264

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.6

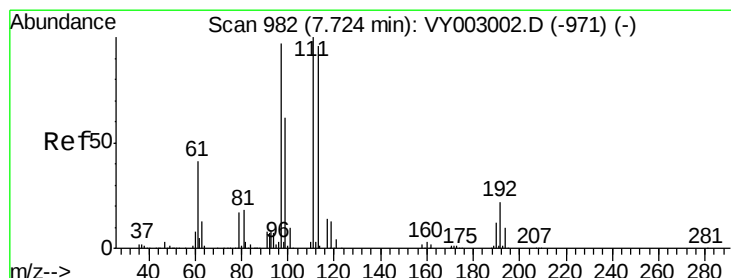
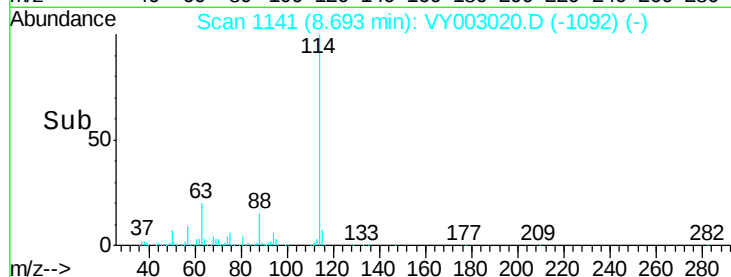
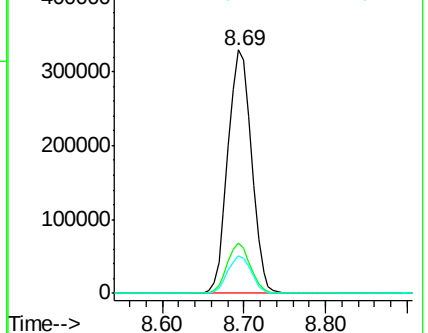
88 15.4 0.0 30.0



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: 52.211 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003020.D

Acq: 29 Jun 2020 20:41

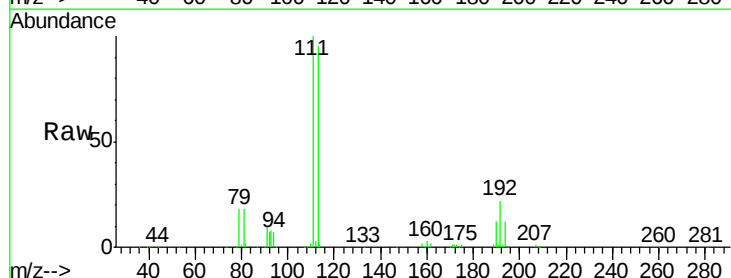
Tgt Ion:113 Resp: 214396

Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

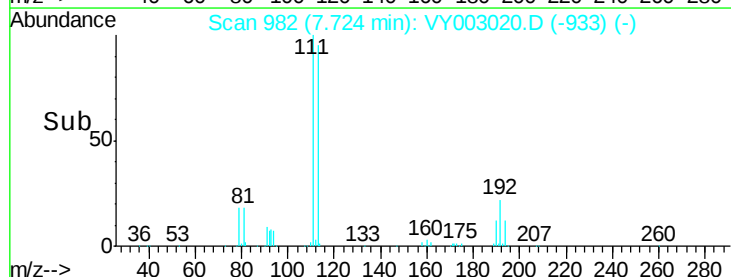
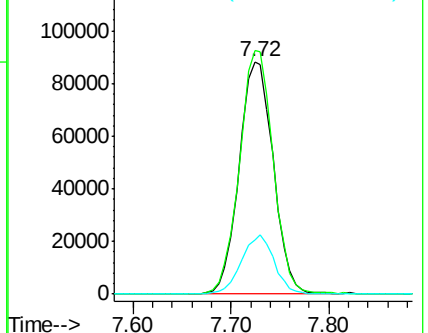
192 24.2 18.1 27.1

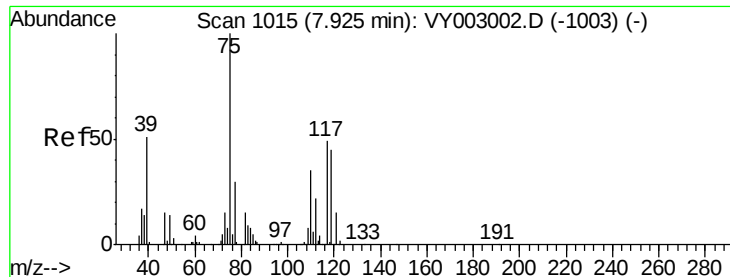


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.359 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003020.D

Acq: 29 Jun 2020 20:41

Instrument :

MSVOA_Y

ClientSampleId :

SP1-B

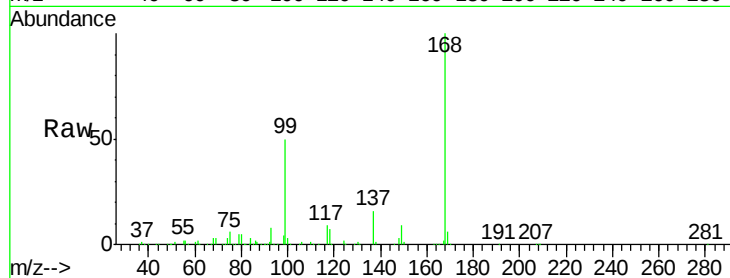
Tot Ion: 75 Resp: 27642

Ion Ratio Lower Upper

75 100

110 8.7 17.1 51.2#

77 0.2 24.9 37.3#

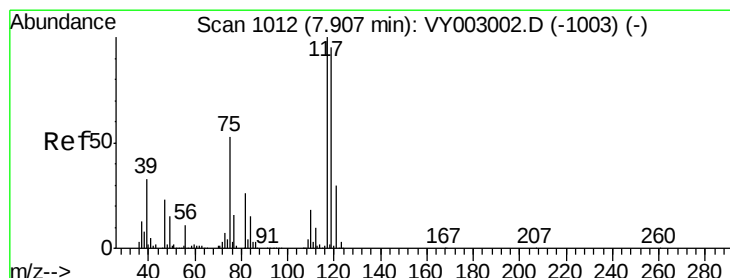
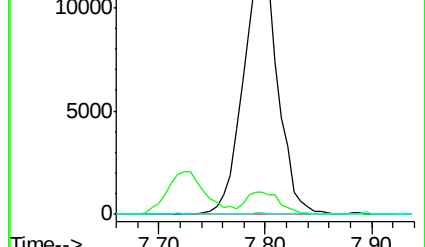
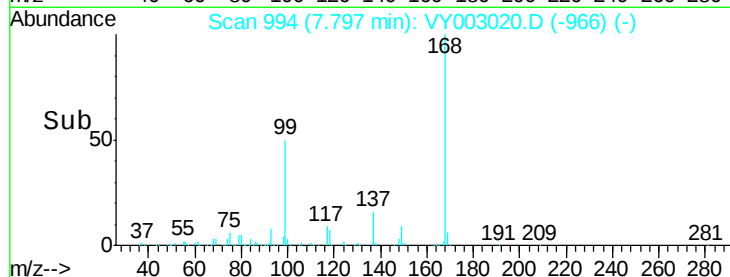


Abundance Ion 74.90 (74.60 to 75.60): VY003020.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY003020.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY003020.D (-966) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.620 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003020.D

Acq: 29 Jun 2020 20:41

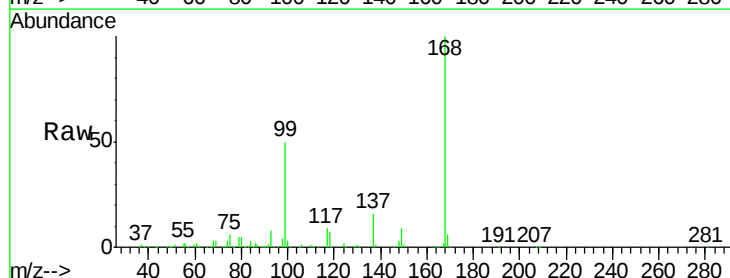
Tgt Ion: 117 Resp: 37077

Ion Ratio Lower Upper

117 100

119 5.1 75.7 113.5#

121 0.0 23.9 35.9#

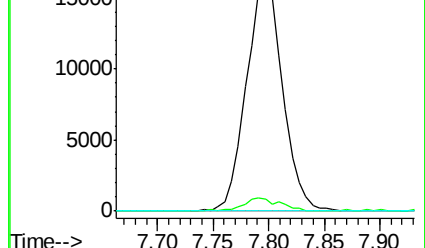
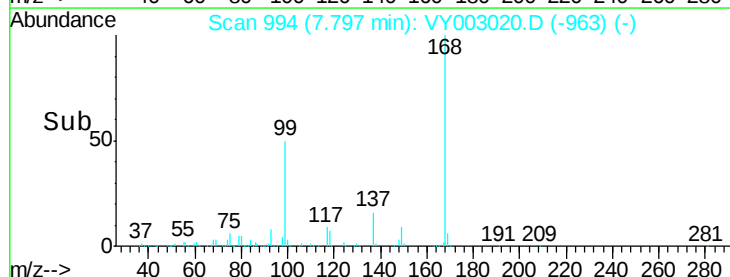


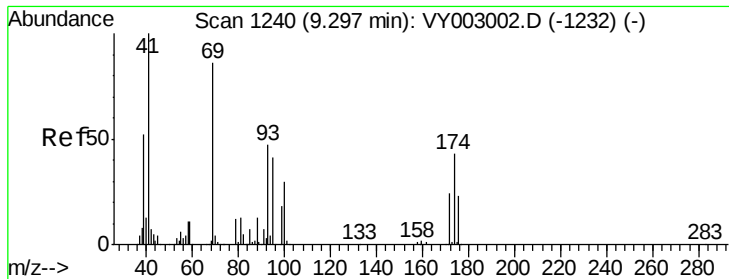
Abundance Ion 116.80 (116.50 to 117.50): VY003020.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY003020.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY003020.D (-963) (-)

Time-->





#49

1,4-Dioxane

Concen: 1.853 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VY003020.D

Acq: 29 Jun 2020 20:41

Instrument :

MSVOA_Y

ClientSampled :

SP1-B

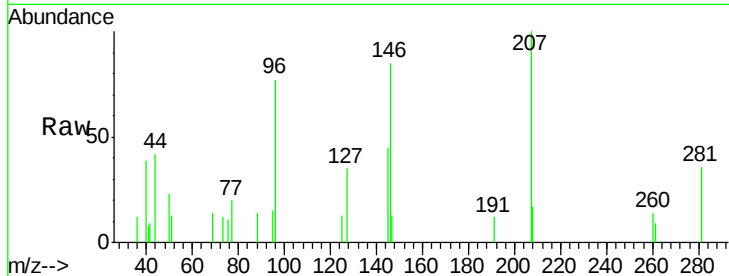
Tot Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

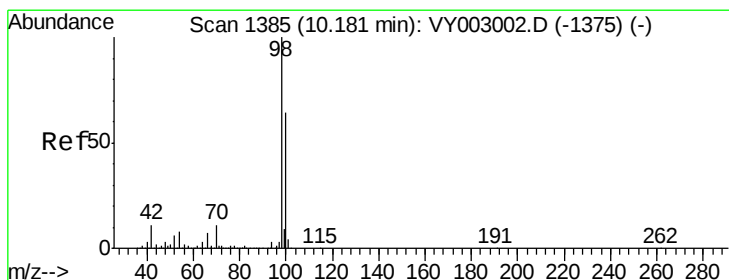
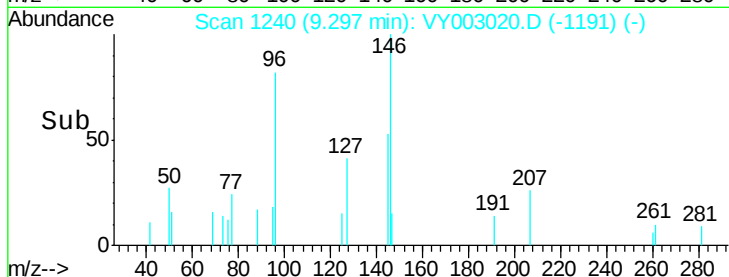
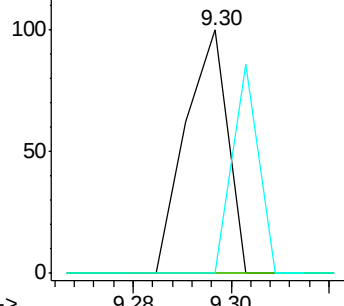
58 52.5 56.7 85.1#



Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 51.177 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003020.D

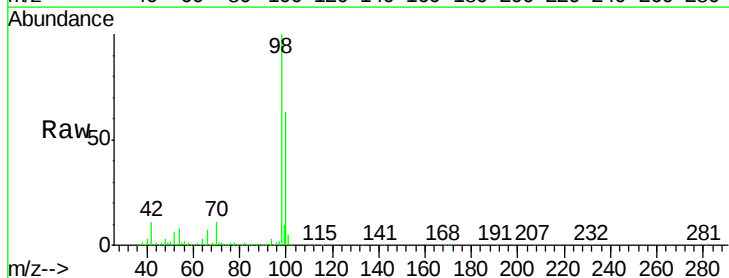
Acq: 29 Jun 2020 20:41

Tgt Ion: 98 Resp: 782914

Ion Ratio Lower Upper

98 100

100 63.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

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Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

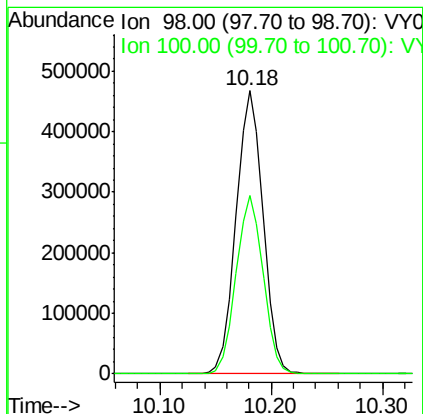
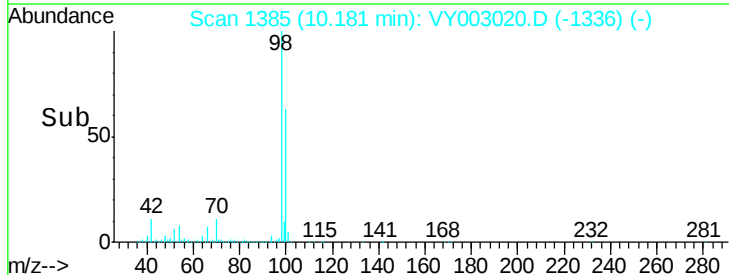
Ion 100.00 (99.70 to 100.70): VY0

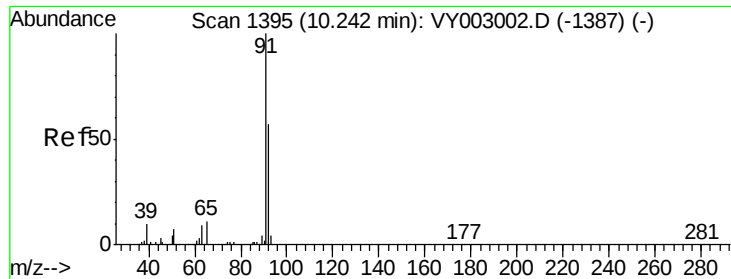
Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#52

Toluene

Concen: 2.654 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003020.D

Acq: 29 Jun 2020 20:41

Instrument :

MSVOA_Y

ClientSampleId :

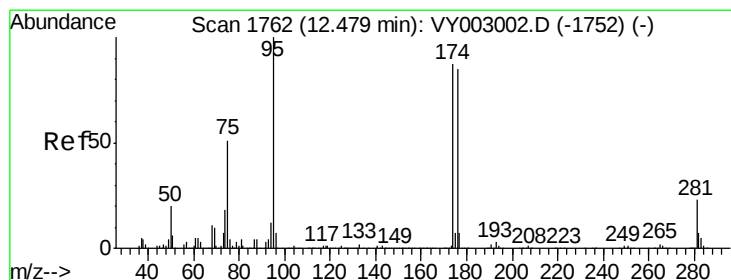
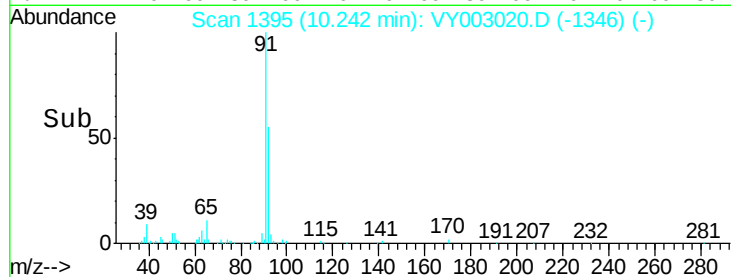
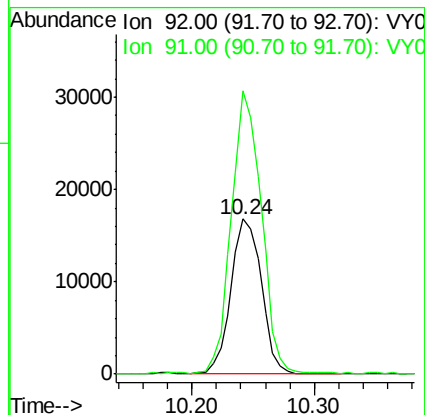
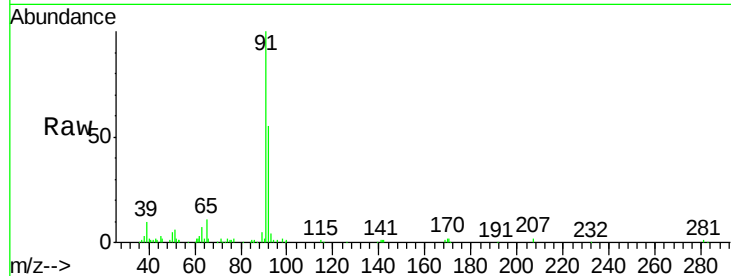
SP1-B

Tot Ion: 92 Resp: 29002

Ion Ratio Lower Upper

92 100

91 180.4 139.6 209.4



#62

4-Bromofluorobenzene

Concen: 49.188 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003020.D

Acq: 29 Jun 2020 20:41

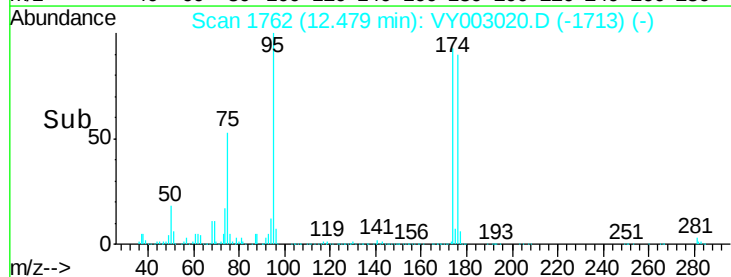
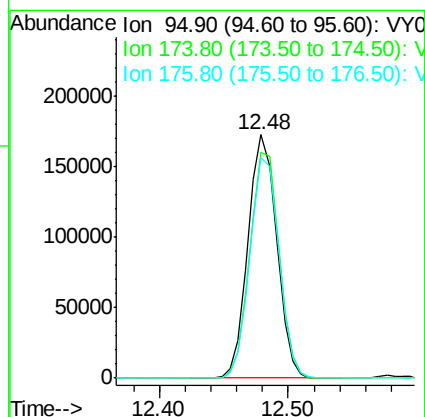
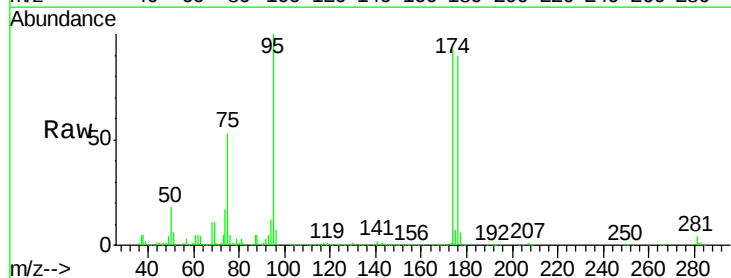
Tgt Ion: 95 Resp: 264875

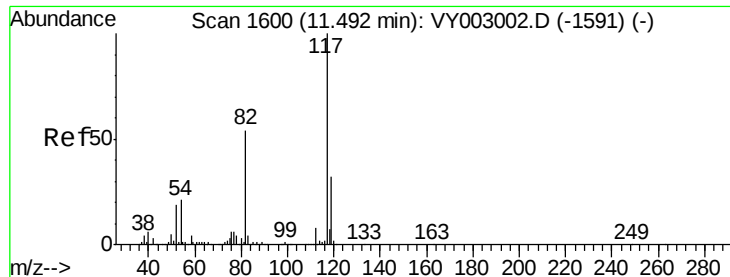
Ion Ratio Lower Upper

95 100

174 94.3 0.0 184.8

176 91.6 0.0 183.0

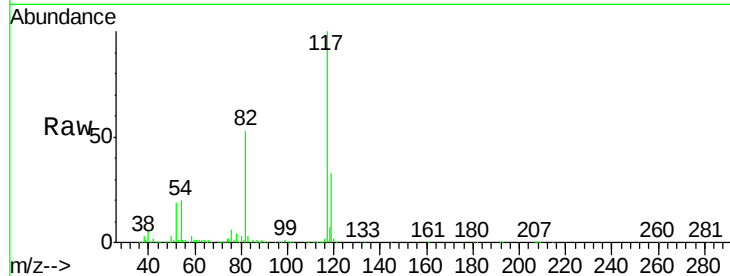




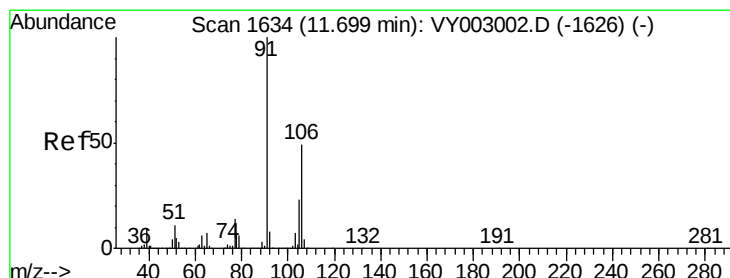
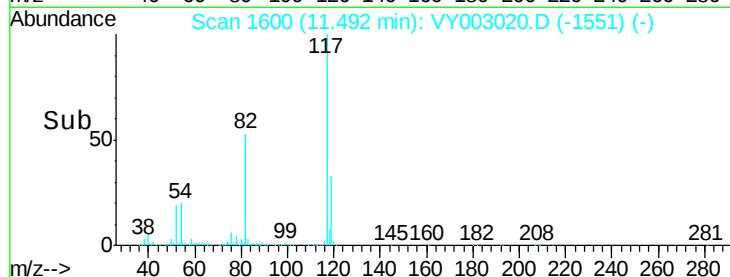
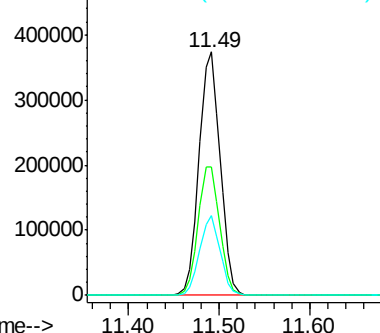
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003020.D
Acq: 29 Jun 2020 20:41

Instrument :
MSVOA_Y
ClientSampleId :
SP1-B

Tot Ion:117 Resp: 605816
Ion Ratio Lower Upper
117 100
82 52.7 43.0 64.6
119 32.6 25.8 38.8

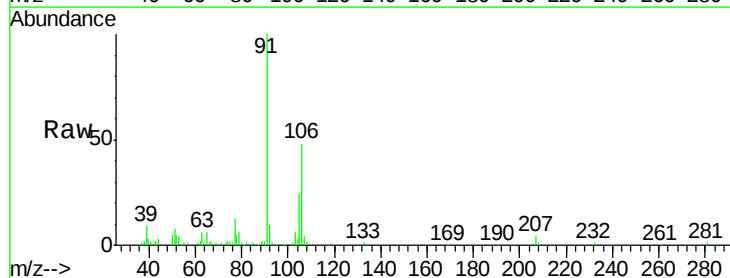


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

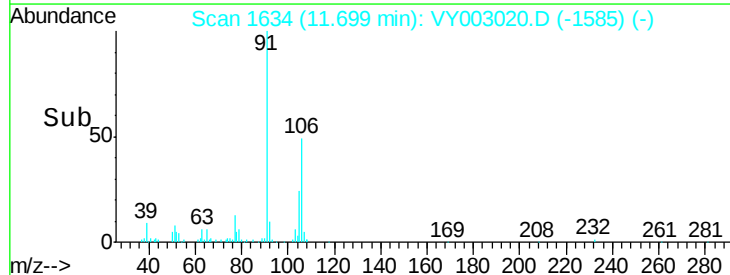
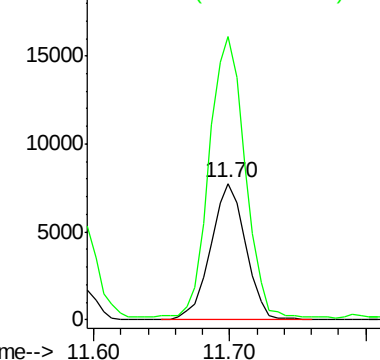


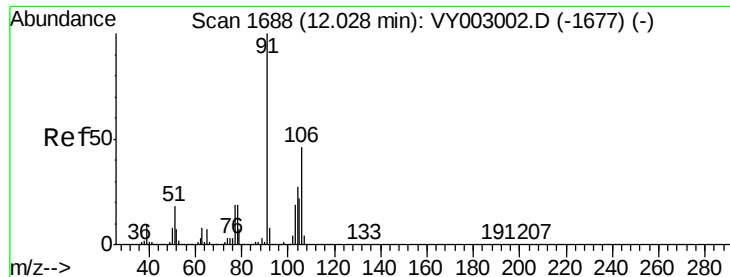
#68
m/p-Xylenes
Concen: 1.713 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY003020.D
Acq: 29 Jun 2020 20:41

Tgt Ion:106 Resp: 13932
Ion Ratio Lower Upper
106 100
91 211.2 161.9 242.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

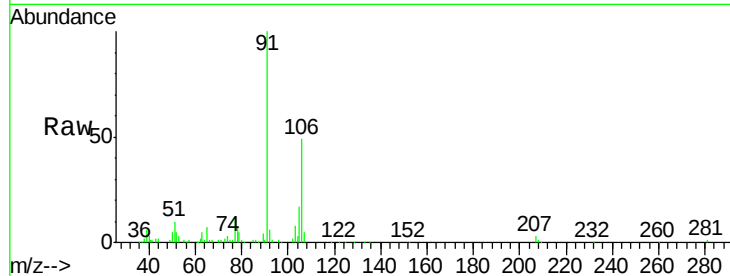




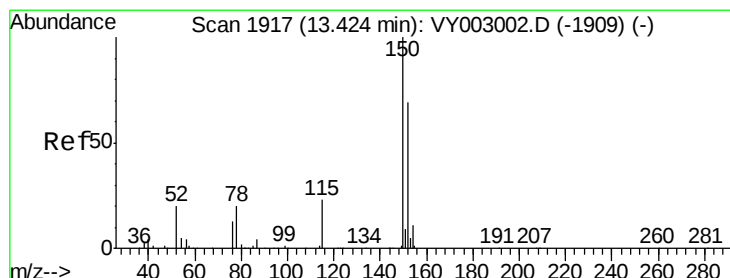
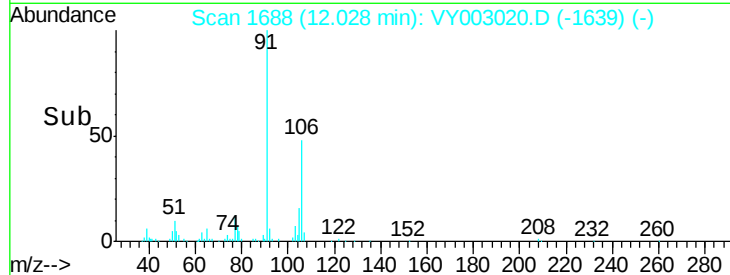
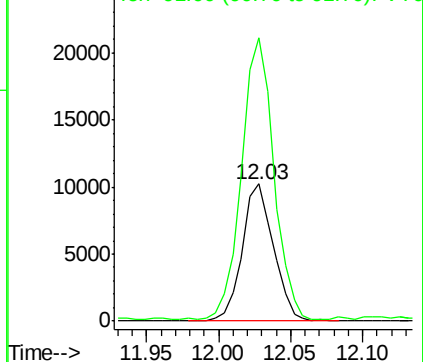
#69
o-Xylene
Concen: 2.001 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003020.D
Acq: 29 Jun 2020 20:41

Instrument :
MSVOA_Y
ClientSampled :
SP1-B

Tot Ion:106 Resp: 15339
Ion Ratio Lower Upper
106 100
91 211.0 107.9 323.8

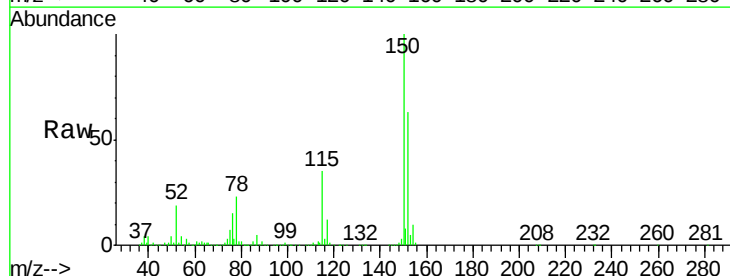


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

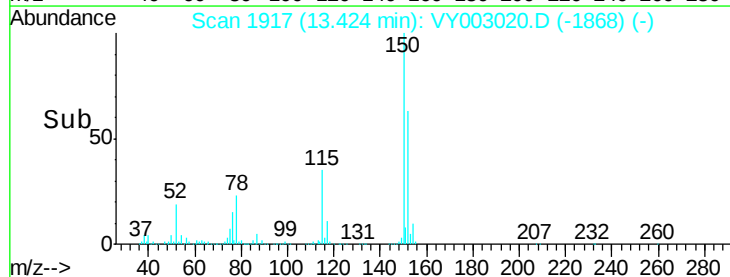
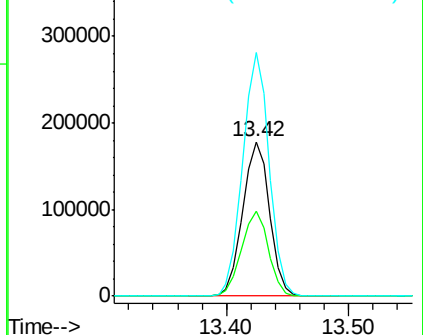


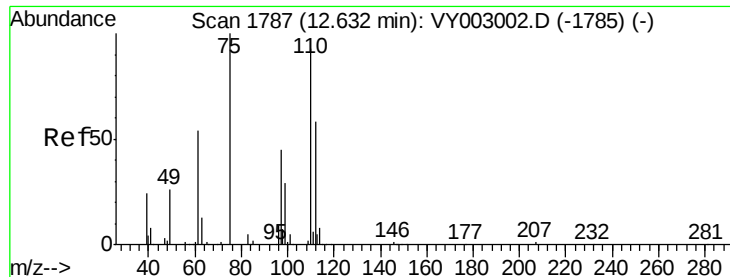
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003020.D
Acq: 29 Jun 2020 20:41

Tgt Ion:152 Resp: 270487
Ion Ratio Lower Upper
152 100
115 55.2 27.3 81.9
150 155.8 0.0 343.4



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: 14.399 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.12 min

Lab File: VY003020.D

Acq: 29 Jun 2020 20:41

Instrument :

MSVOA_Y

ClientSampleId :

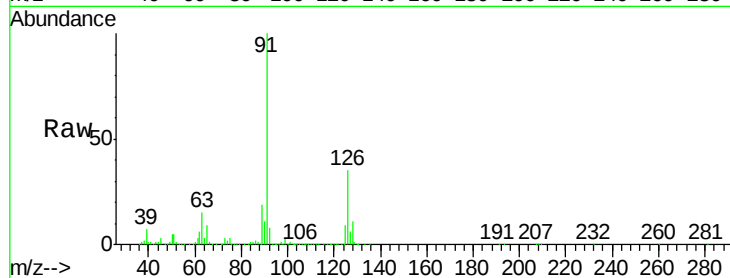
SP1-B

Tot Ion: 75 Resp: 38546

Ion Ratio Lower Upper

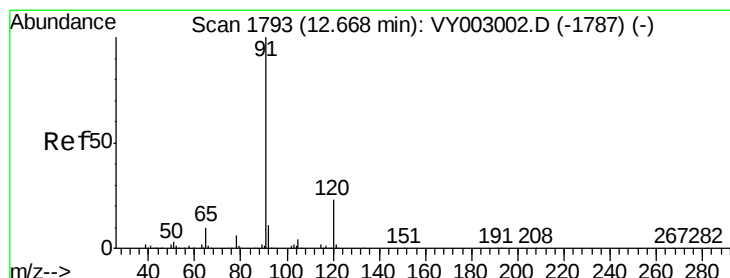
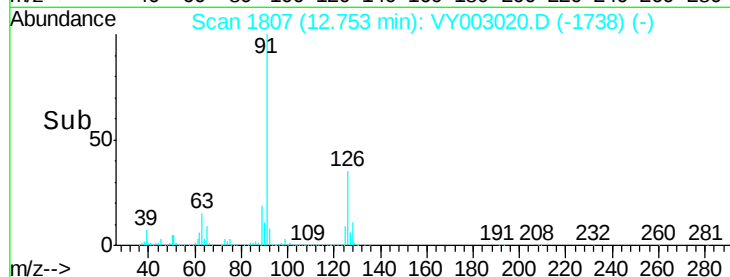
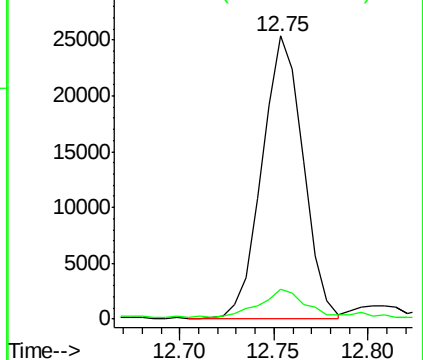
75 100

77 13.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#78

n-propylbenzene

Concen: 67.106 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.09 min

Lab File: VY003020.D

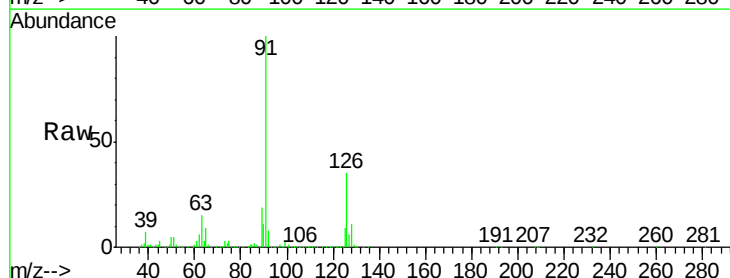
Acq: 29 Jun 2020 20:41

Tgt Ion: 91 Resp: 1428658

Ion Ratio Lower Upper

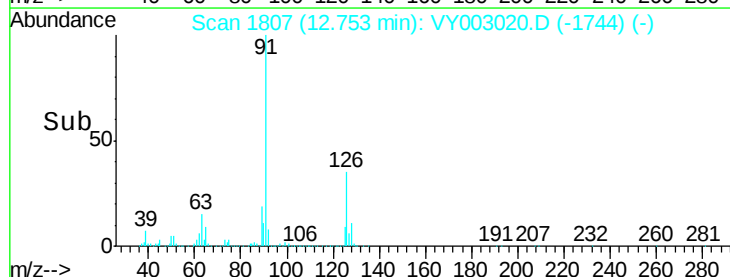
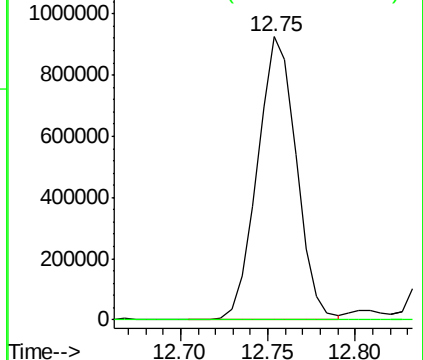
91 100

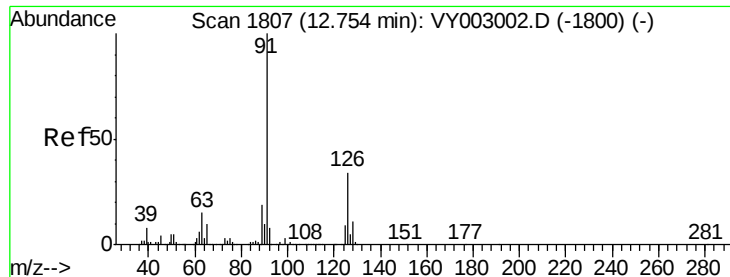
120 0.1 11.5 34.5#



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

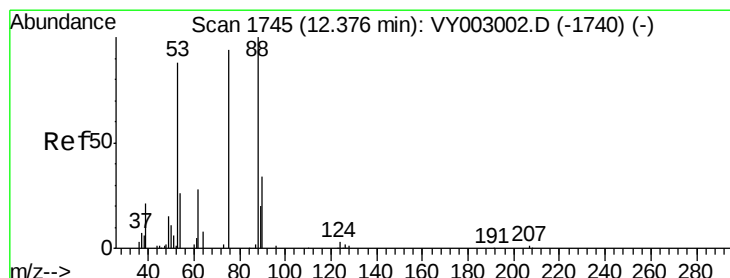
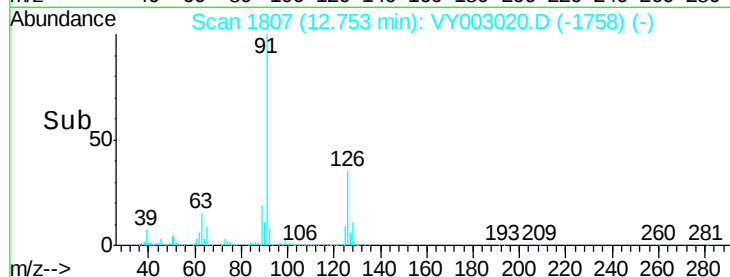
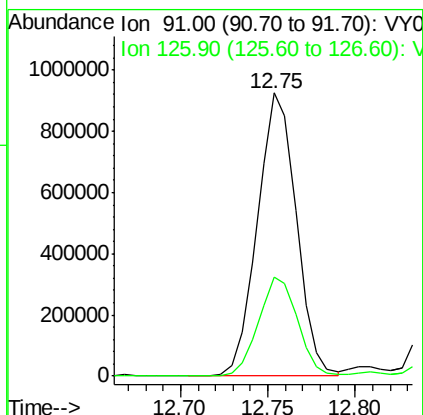
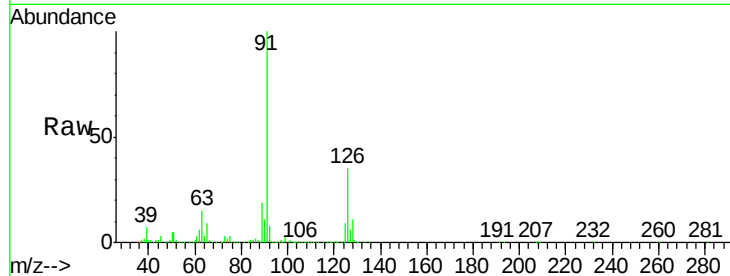




#79
2-Chlorotoluene
Concen: 120.224 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. -0.00 min
Lab File: VY003020.D
Acq: 29 Jun 2020 20:41

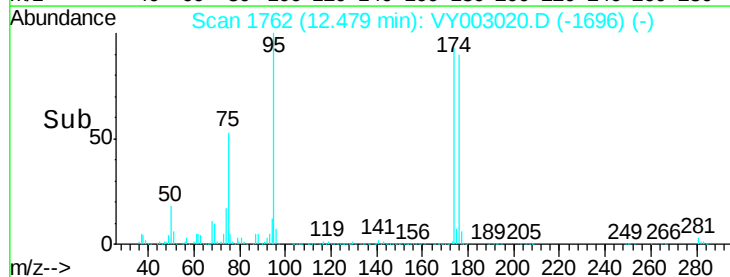
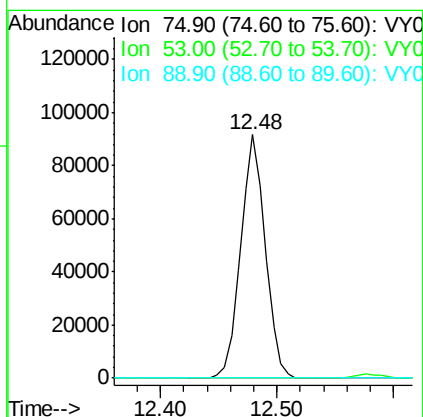
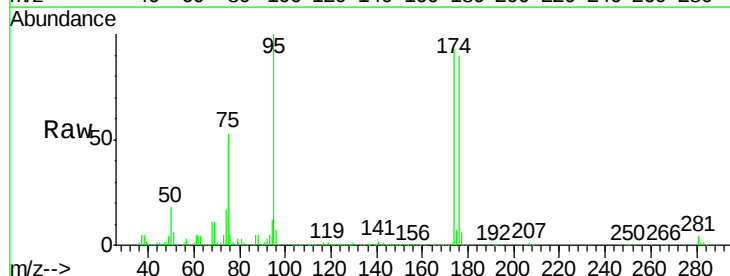
Instrument :
MSVOA_Y
ClientSampled :
SP1-B

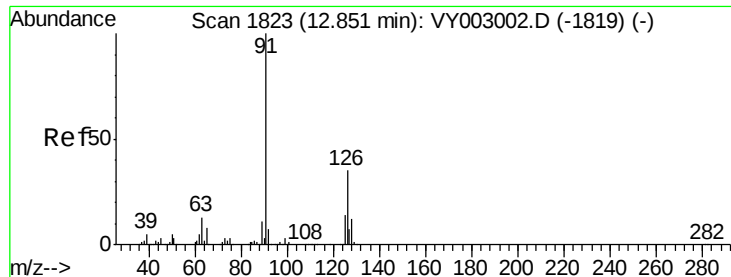
Tot Ion: 91 Resp: 1428658
Ion Ratio Lower Upper
91 100
126 35.0 17.1 51.3



#81
trans-1,4-Dichloro-2-butene
Concen: 98.070 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY003020.D
Acq: 29 Jun 2020 20:41

Tgt Ion: 75 Resp: 134938
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.1 37.5 56.3#





#82

4-Chlorotoluene

Concen: 93.562 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY003020.D

Acq: 29 Jun 2020 20:41

Instrument :

MSVOA_Y

ClientSampleId :

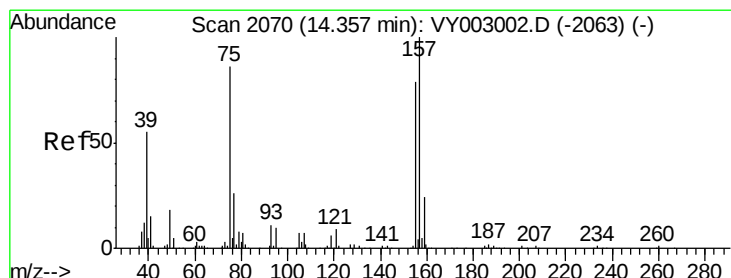
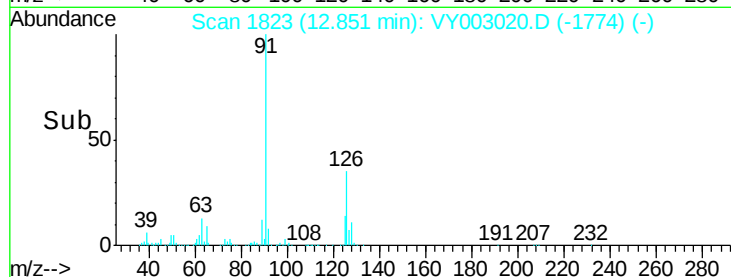
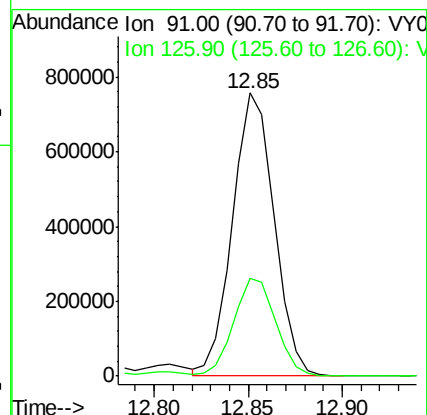
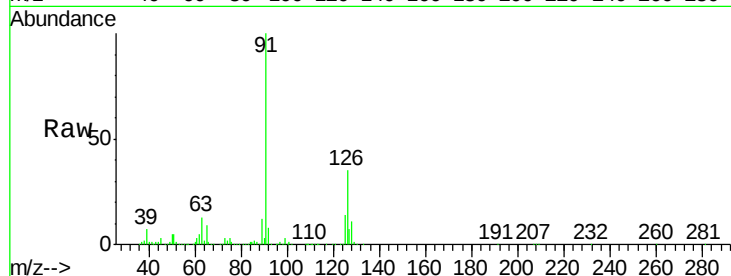
SP1-B

Tot Ion: 91 Resp: 1157590

Ion Ratio Lower Upper

91 100

126 35.1 17.4 52.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 121.796 ug/l

RT: 14.46 min Scan# 2087

Delta R.T. 0.10 min

Lab File: VY003020.D

Acq: 29 Jun 2020 20:41

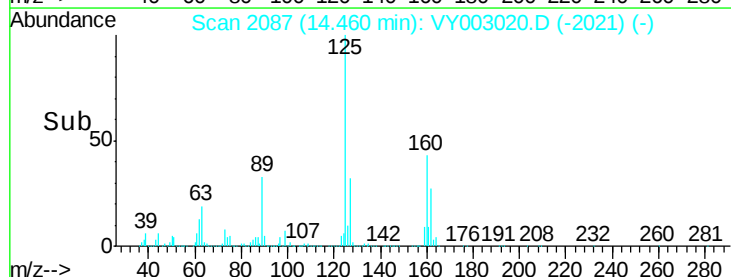
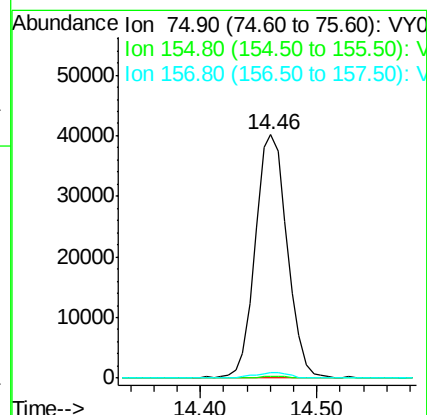
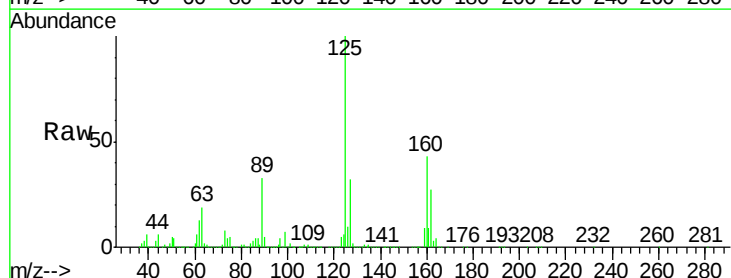
Tgt Ion: 75 Resp: 77023

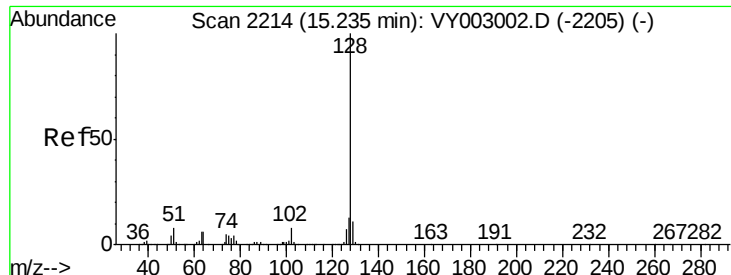
Ion Ratio Lower Upper

75 100

155 0.8 46.5 139.3#

157 2.4 59.2 177.5#





#95

Naphthalene

Concen: 1.235 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY003020.D

Acq: 29 Jun 2020 20:41

Instrument :

MSVOA_Y

ClientSampleId :

SP1-B

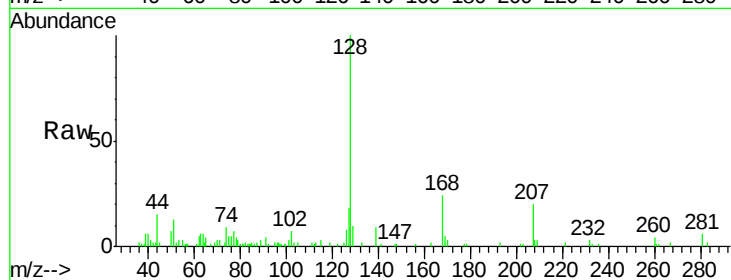
Tot Ion:128 Resp: 12741

Ion Ratio Lower Upper

128 100

127 18.4 10.8 16.2#

129 12.7 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

