

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070120\
 Data File : VY003056.D
 Acq On : 01 Jul 2020 14:10
 Operator : SY/MD
 Sample : L2811-05
 Misc : 5.69G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-7-063020

Quant Time: Jul 02 03:08:41 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	316623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	517441	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	476695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	204668	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	180414	57.37	ug/l	0.00
Spiked Amount			Recovery	=	114.74%	
35) Dibromofluoromethane	7.72	113	169990	52.66	ug/l	0.00
Spiked Amount			Recovery	=	105.32%	
50) Toluene-d8	10.18	98	627896	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	
62) 4-Bromofluorobenzene	12.48	95	204892	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	

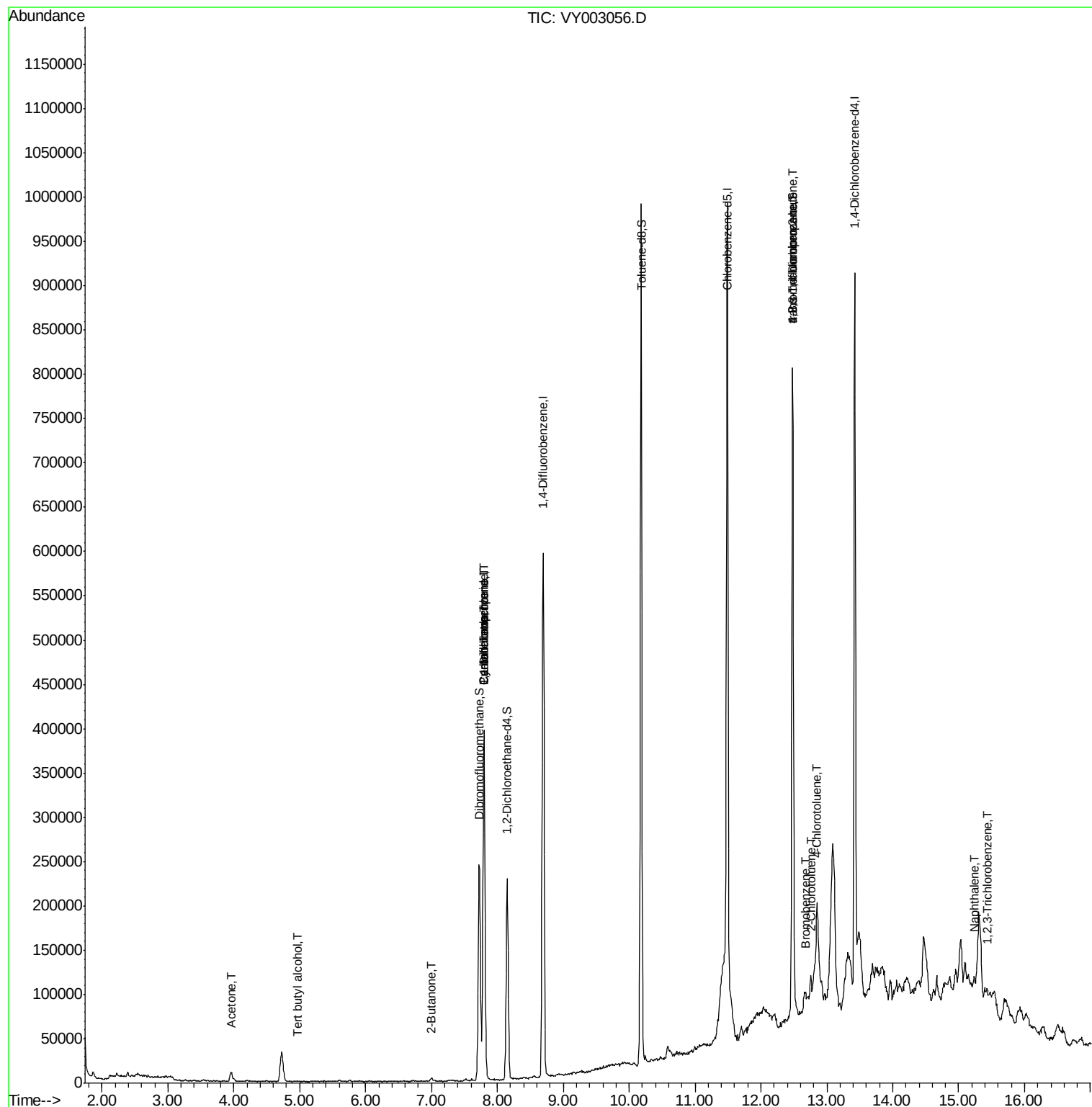
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	397	1.239	ug/l #	73
16) Acetone	3.96	43	18238	24.590	ug/l	96
25) 2-Butanone	7.00	43	4139	3.513	ug/l #	68
31) Cyclohexane	7.80	56	6257	1.131	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	21779	4.370	ug/l #	51
38) Carbon Tetrachloride	7.80	117	27619	5.326	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	106333	52.495	ug/l #	100
77) Bromobenzene	12.69	156	28137	8.193	ug/l #	1
79) 2-Chlorotoluene	12.76	91	16517	1.837	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.48	75	106333	102.133	ug/l #	13
82) 4-Chlorotoluene	12.85	91	31243	3.337	ug/l	90
95) Naphthalene	15.23	128	12316	1.577	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.42	180	4503	1.213	ug/l #	80

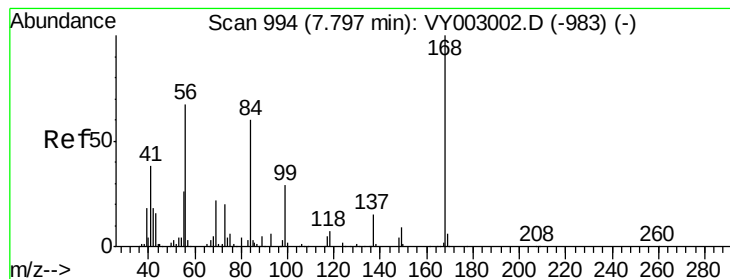
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003056.D

Acq: 01 Jul 2020 14:10

Instrument :

MSVOA_Y

ClientSampleId :

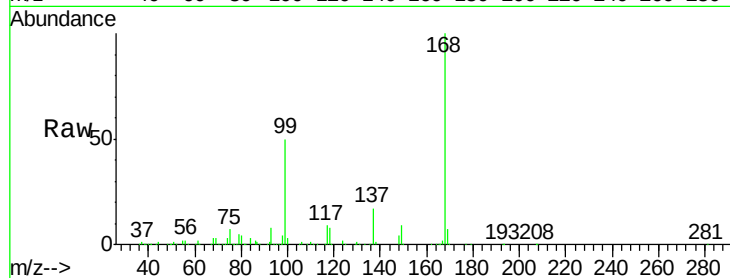
NB-7-063020

Tot Ion:168 Resp: 316623

Ion Ratio Lower Upper

168 100

99 50.1 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

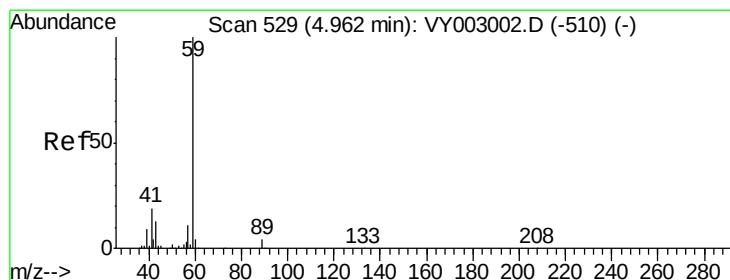
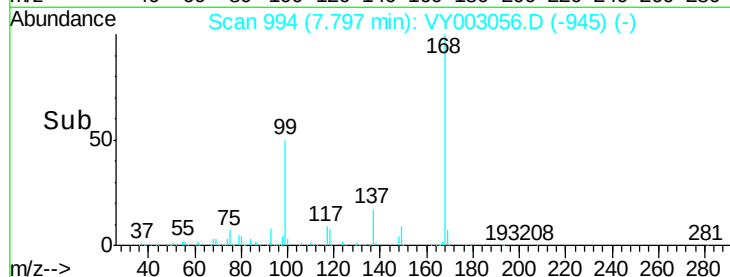
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.239 ug/l

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY003056.D

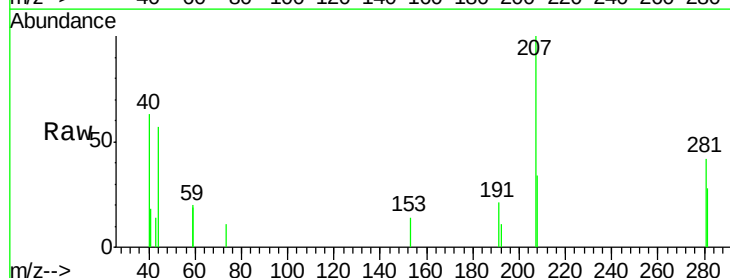
Acq: 01 Jul 2020 14:10

Tgt Ion: 59 Resp: 397

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY003002.D (-510) (-)

Ion 57.00 (56.70 to 57.70): VY003002.D (-510) (-)

4.96

200

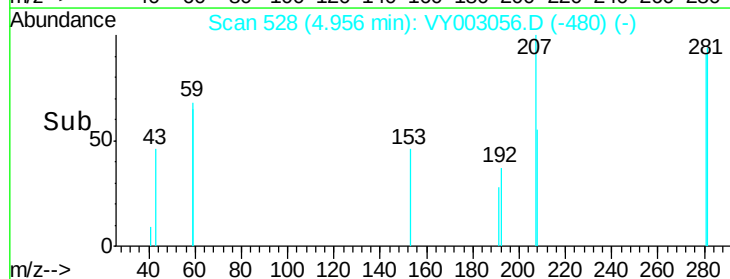
150

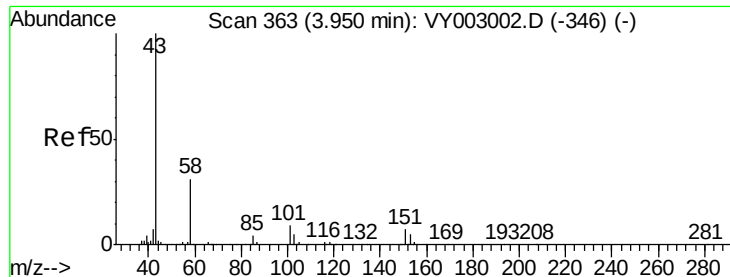
100

50

0

Time-->





#16

Acetone

Concen: 24.590 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003056.D

Acq: 01 Jul 2020 14:10

Instrument :

MSVOA_Y

ClientSampleId :

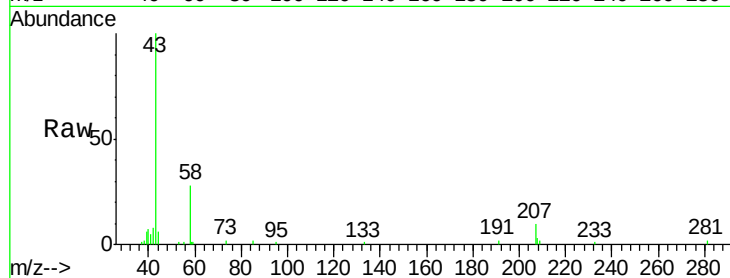
NB-7-063020

Tot Ion: 43 Resp: 18238

Ion Ratio Lower Upper

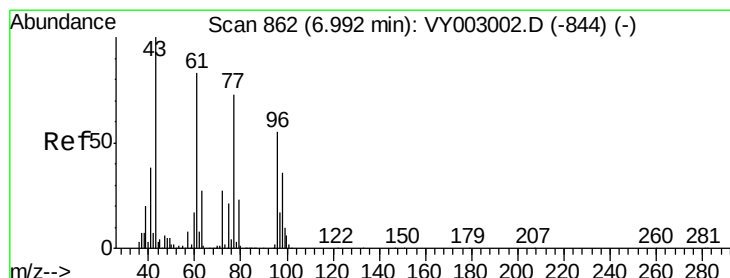
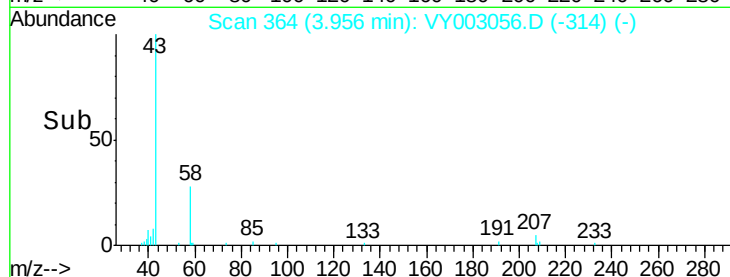
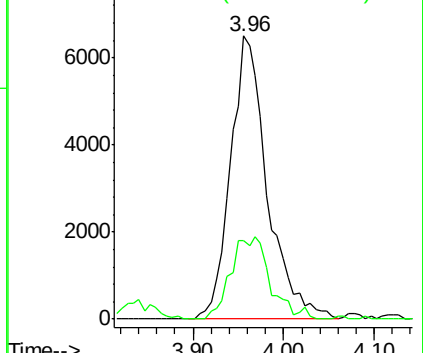
43 100

58 28.7 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#25

2-Butanone

Concen: 3.513 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY003056.D

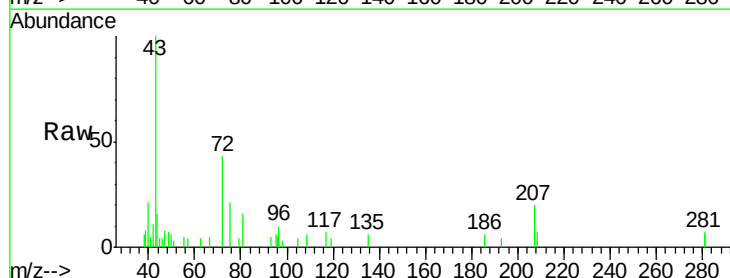
Acq: 01 Jul 2020 14:10

Tgt Ion: 43 Resp: 4139

Ion Ratio Lower Upper

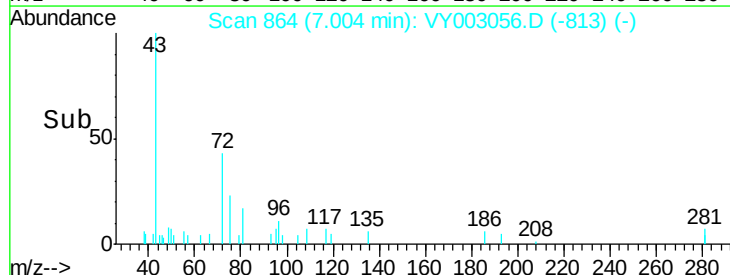
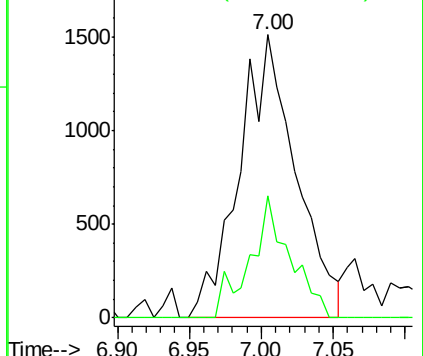
43 100

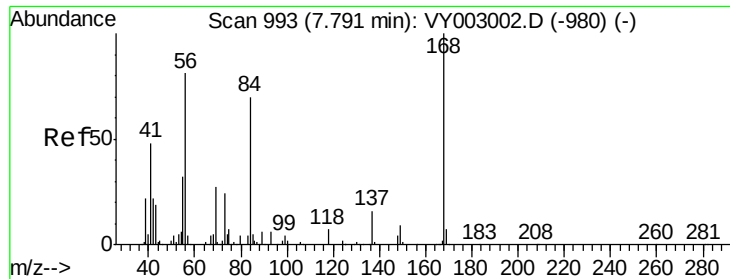
72 43.2 21.4 32.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

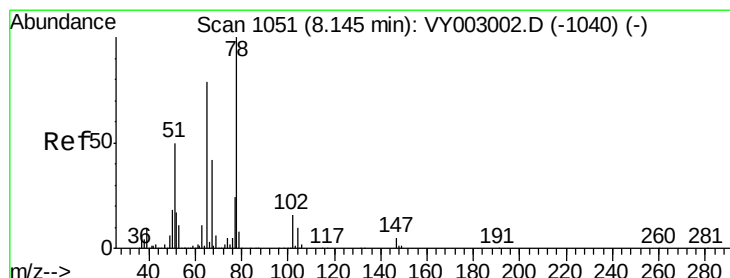
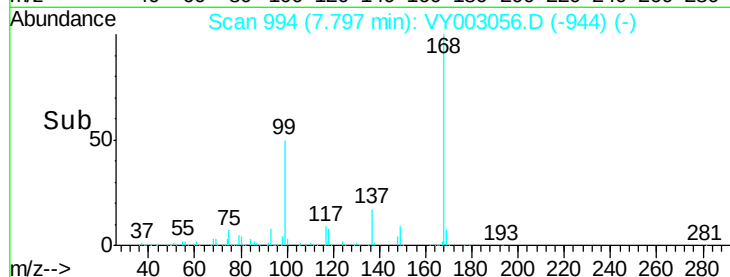
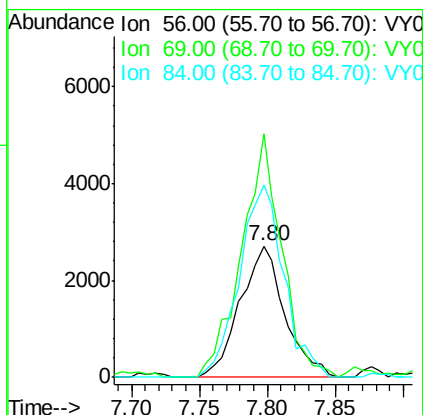
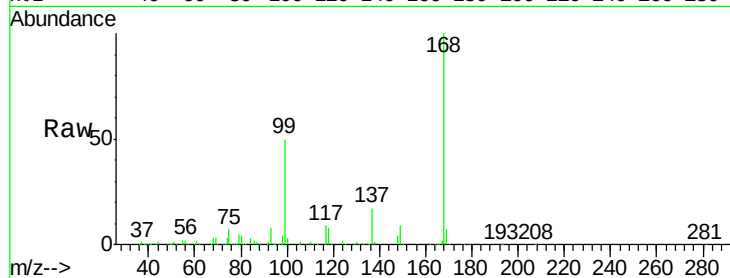




#31
Cyclohexane
Concen: 1.131 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003056.D
Acq: 01 Jul 2020 14:10

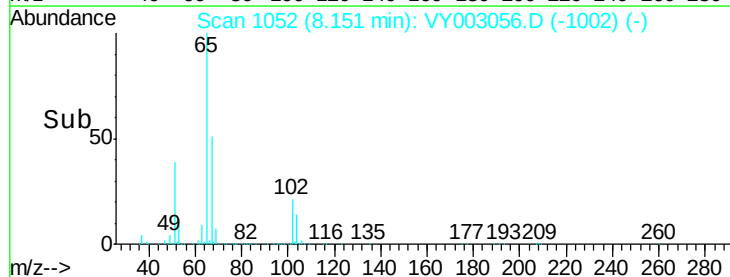
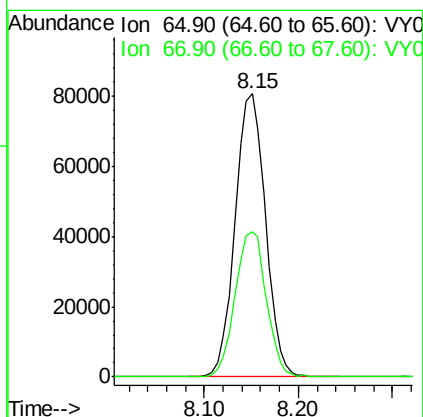
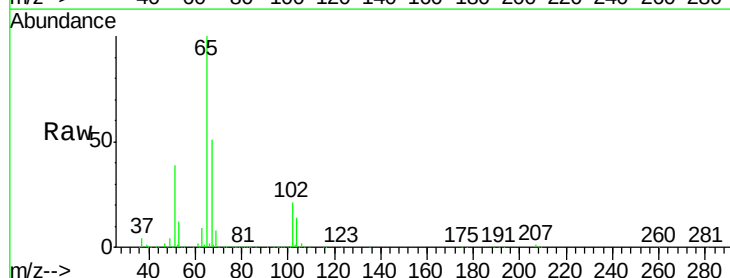
Instrument :
MSVOA_Y
ClientSampled :
NB-7-063020

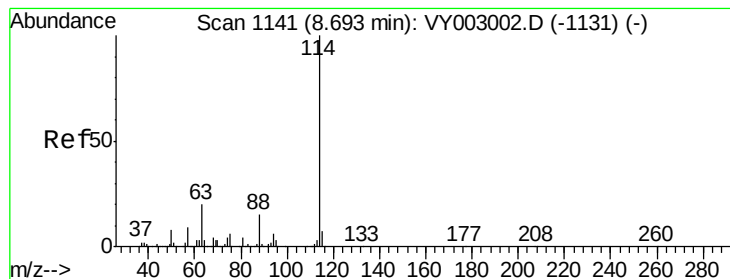
Tot Ion: 56 Resp: 6257
Ion Ratio Lower Upper
56 100
69 185.1 27.0 40.4#
84 146.1 68.1 102.1#



#33
1,2-Dichloroethane-d4
Concen: 57.371 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VY003056.D
Acq: 01 Jul 2020 14:10

Tgt Ion: 65 Resp: 180414
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY003056.D

Acq: 01 Jul 2020 14:10

Instrument :

MSVOA_Y

ClientSampleId :

NB-7-063020

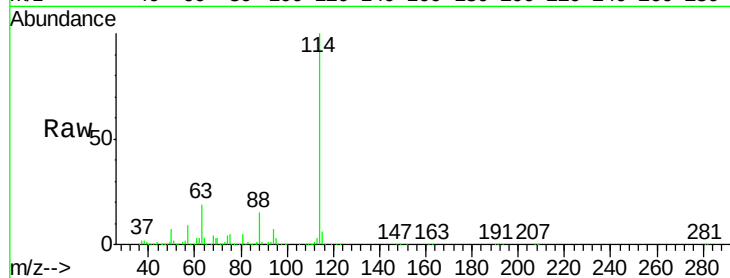
Tot Ion:114 Resp: 517441

Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.6

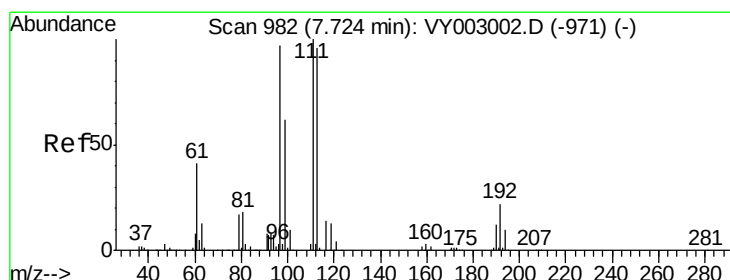
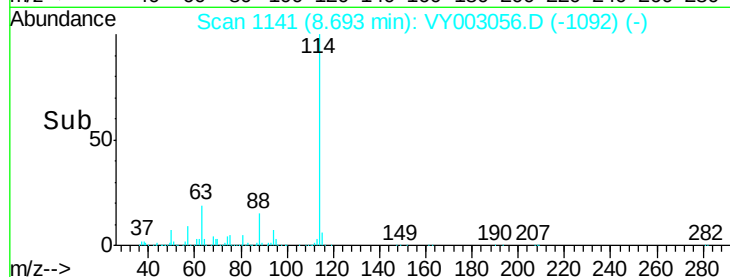
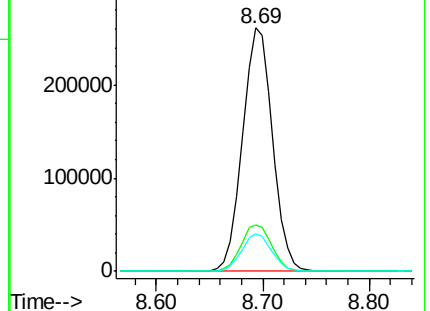
88 15.4 0.0 30.0



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: 52.663 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003056.D

Acq: 01 Jul 2020 14:10

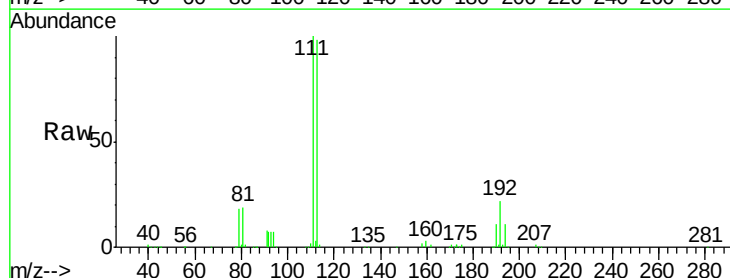
Tgt Ion:113 Resp: 169990

Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

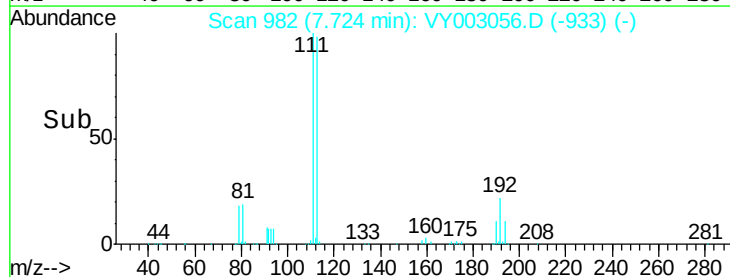
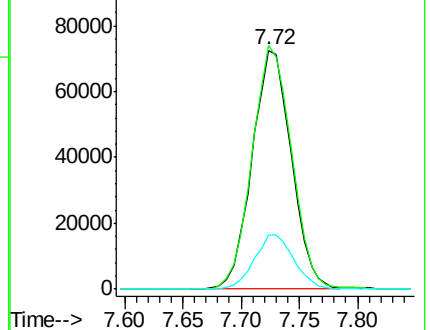
192 23.0 18.1 27.1

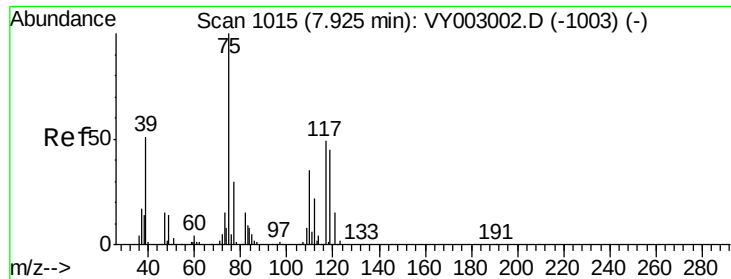


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.370 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003056.D

Acq: 01 Jul 2020 14:10

Instrument :

MSVOA_Y

ClientSampleId :

NB-7-063020

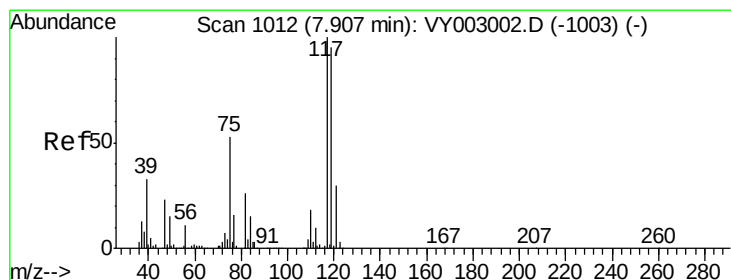
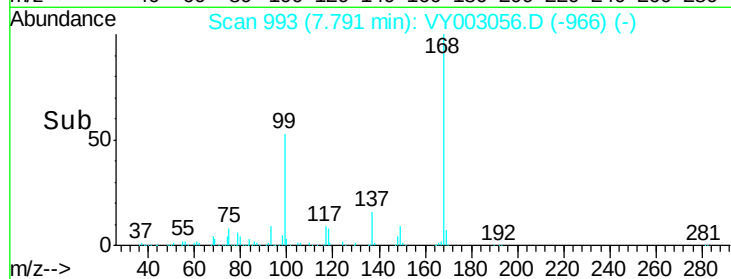
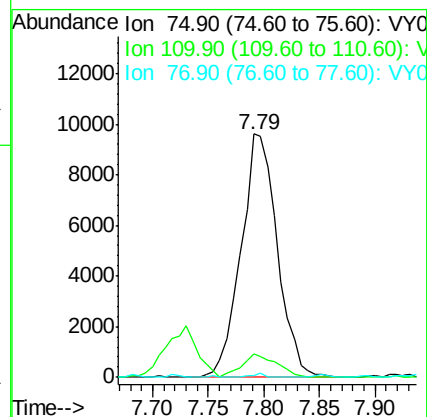
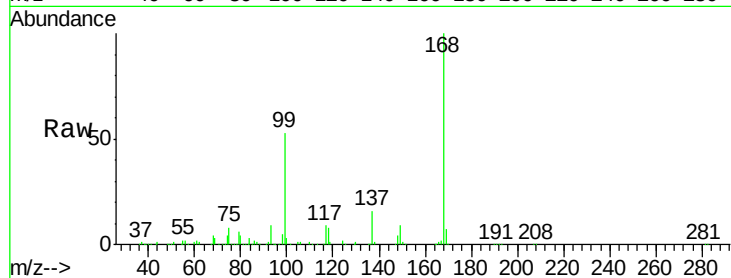
Tot Ion: 75 Resp: 21779

Ion Ratio Lower Upper

75 100

110 9.3 17.1 51.2#

77 0.5 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.326 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003056.D

Acq: 01 Jul 2020 14:10

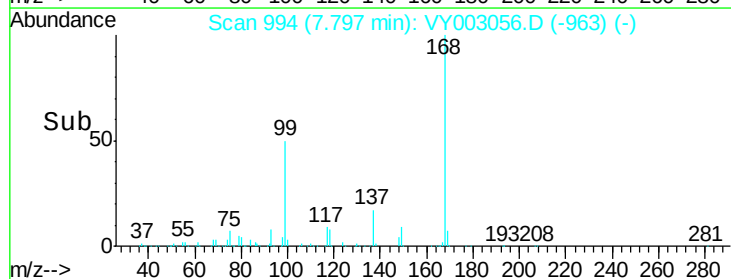
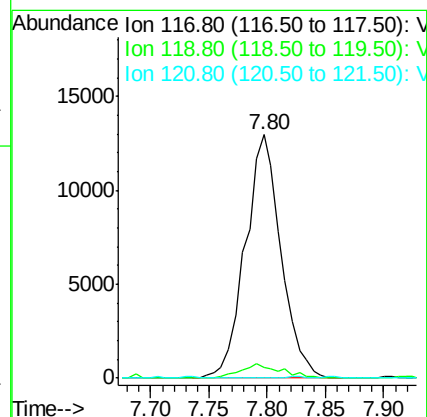
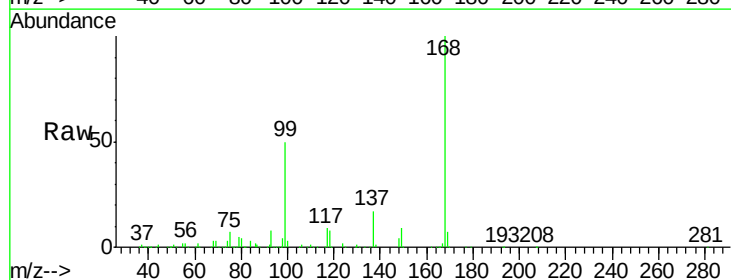
Tgt Ion: 117 Resp: 27619

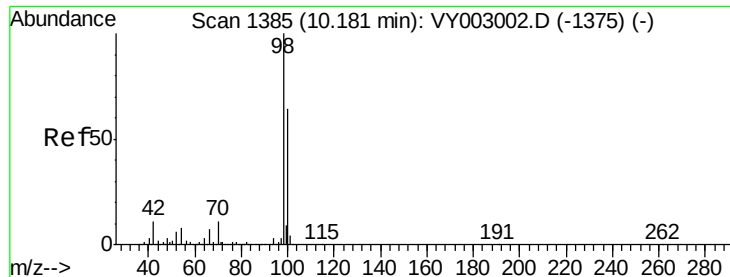
Ion Ratio Lower Upper

117 100

119 4.4 75.7 113.5#

121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 52.215 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003056.D

Acq: 01 Jul 2020 14:10

Instrument :

MSVOA_Y

ClientSampleId :

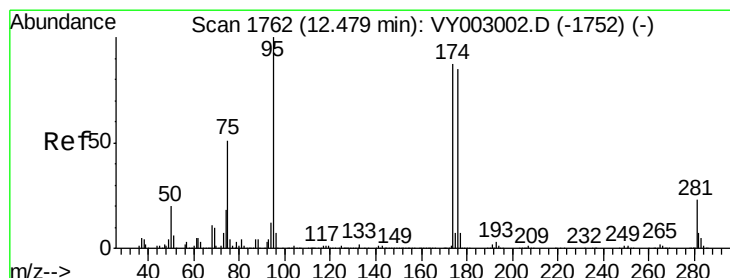
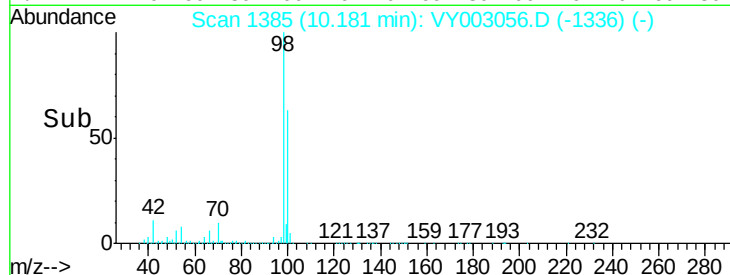
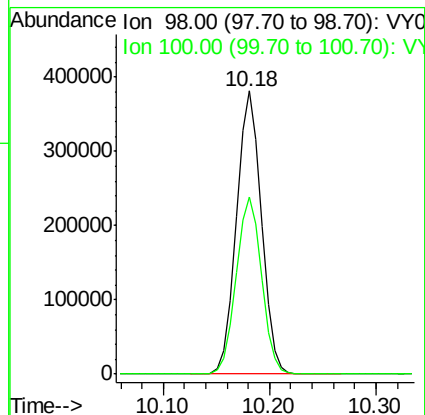
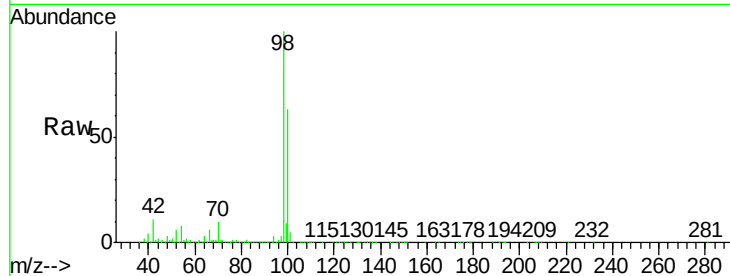
NB-7-063020

Tot Ion: 98 Resp: 627896

Ion Ratio Lower Upper

98 100

100 63.8 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 48.404 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003056.D

Acq: 01 Jul 2020 14:10

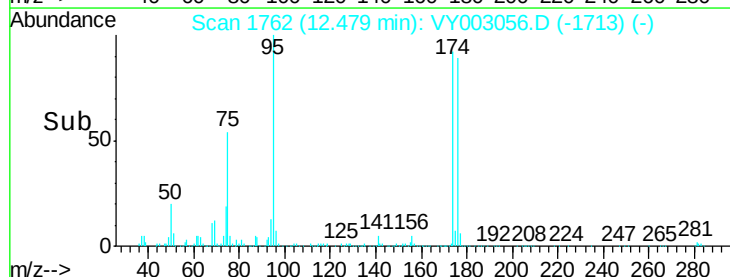
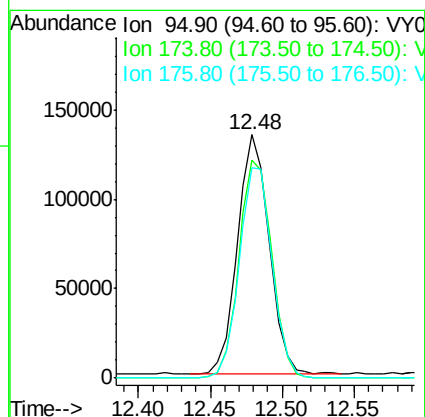
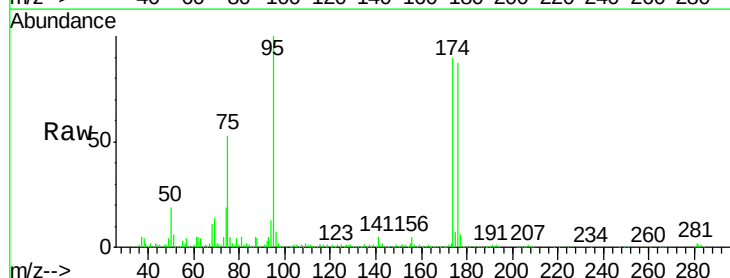
Tgt Ion: 95 Resp: 204892

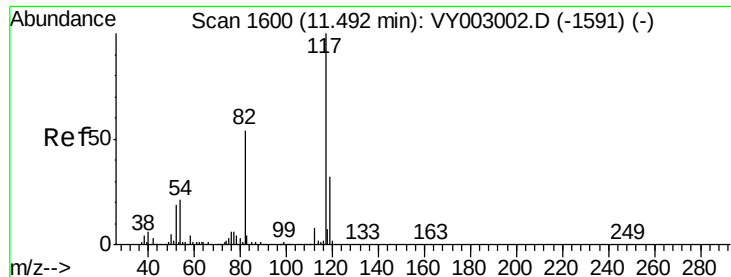
Ion Ratio Lower Upper

95 100

174 93.8 0.0 184.8

176 90.7 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: VY003056.D

Acq: 01 Jul 2020 14:10

Instrument :

MSVOA_Y

ClientSampleId :

NB-7-063020

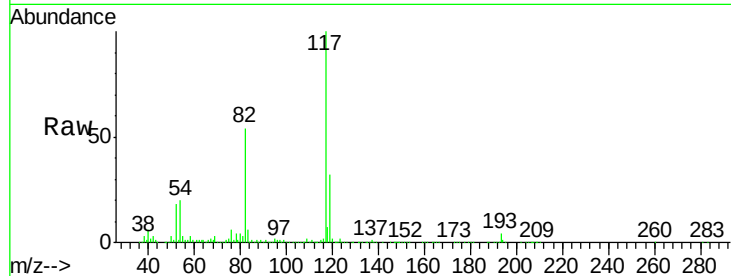
Tot Ion:117 Resp: 476695

Ion Ratio Lower Upper

117 100

82 53.9 43.0 64.6

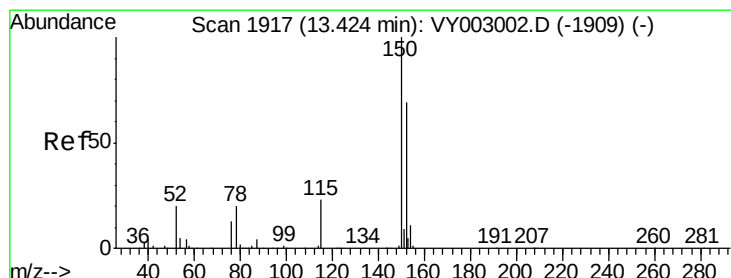
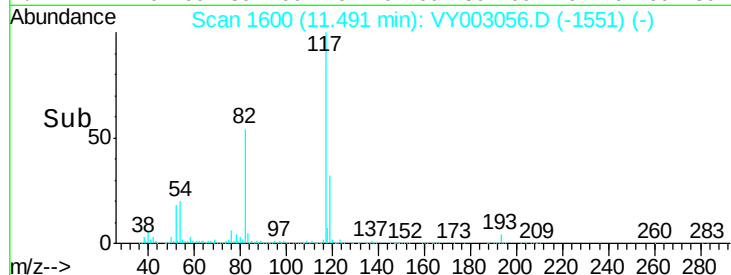
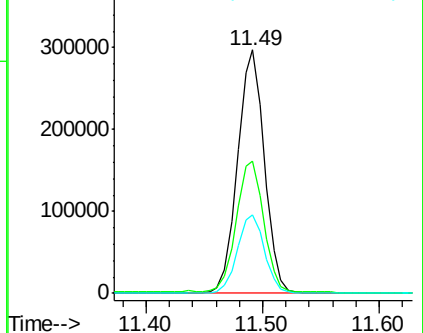
119 32.4 25.8 38.8



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: VY003056.D

Acq: 01 Jul 2020 14:10

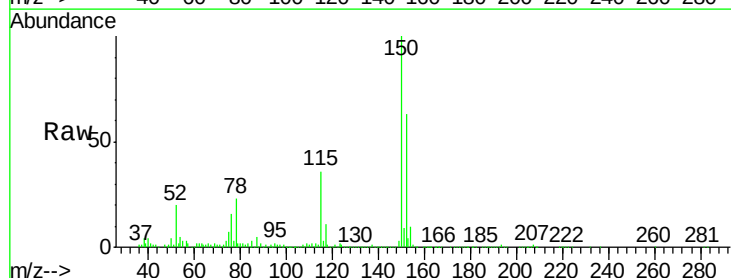
Tgt Ion:152 Resp: 204668

Ion Ratio Lower Upper

152 100

115 55.1 27.3 81.9

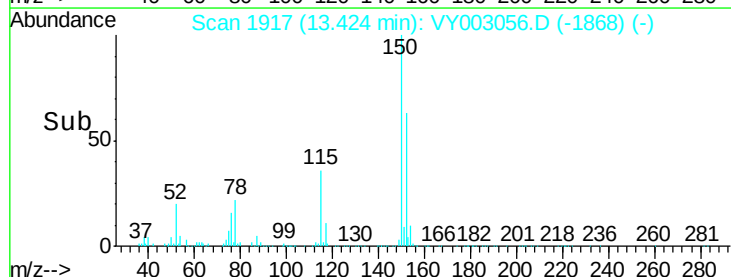
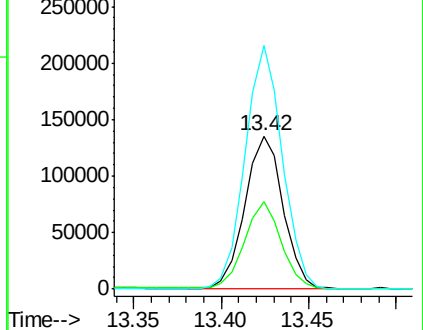
150 155.5 0.0 343.4

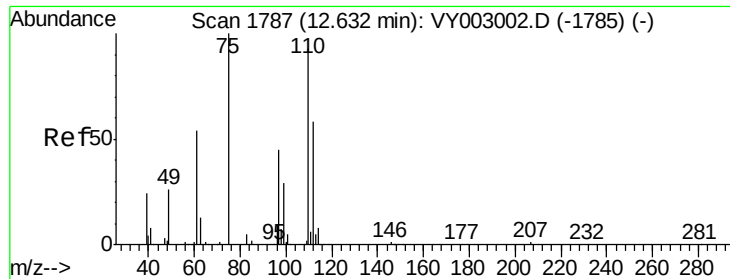


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 52.495 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003056.D

Acq: 01 Jul 2020 14:10

Instrument :

MSVOA_Y

ClientSampleId :

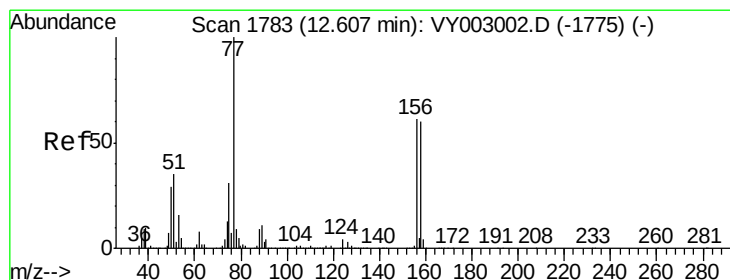
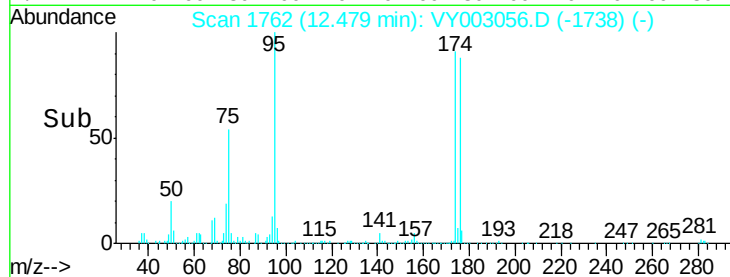
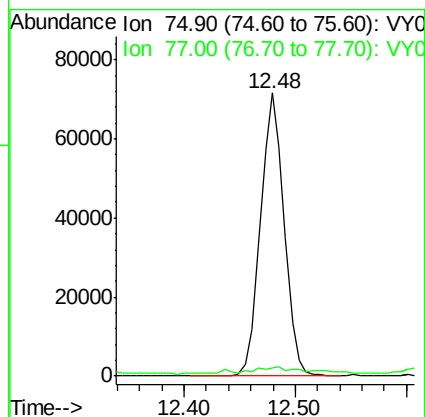
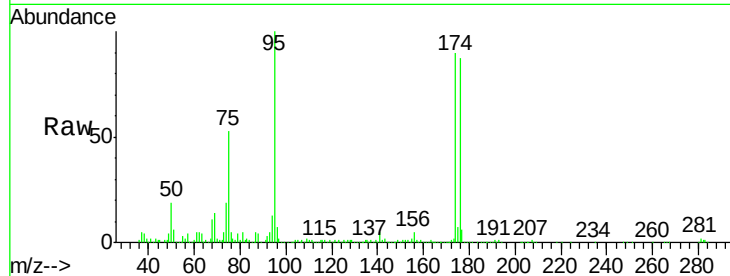
NB-7-063020

Tot Ion: 75 Resp: 106333

Ion Ratio Lower Upper

75 100

77 2.7 0.0 0.0#



#77

Bromobenzene

Concen: 8.193 ug/l

RT: 12.69 min Scan# 1796

Delta R.T. 0.08 min

Lab File: VY003056.D

Acq: 01 Jul 2020 14:10

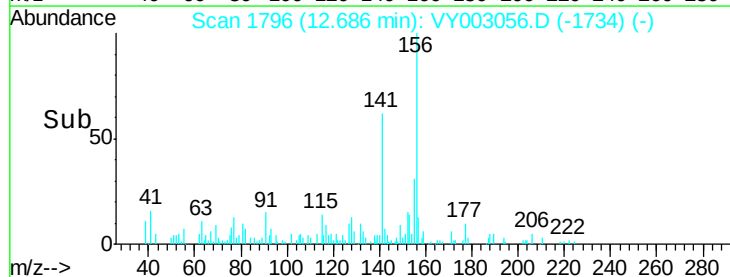
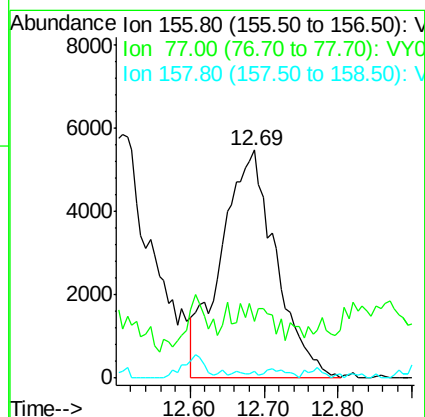
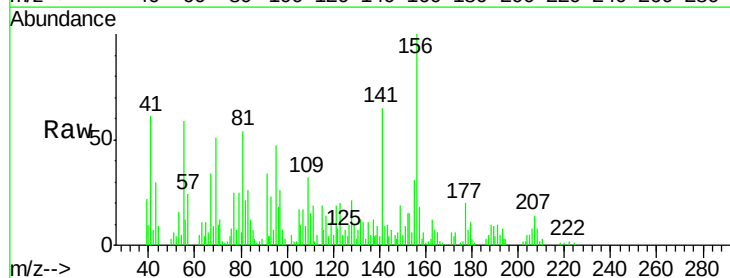
Tgt Ion: 156 Resp: 28137

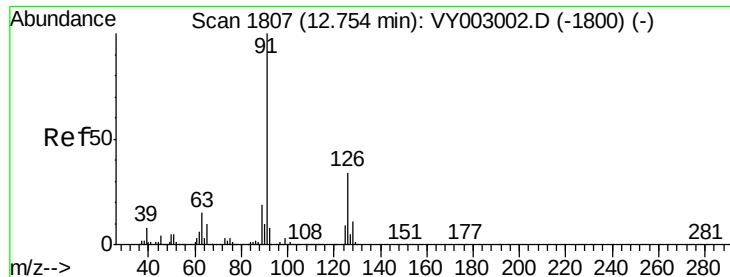
Ion Ratio Lower Upper

156 100

77 0.0 90.0 270.0#

158 0.0 48.5 145.5#

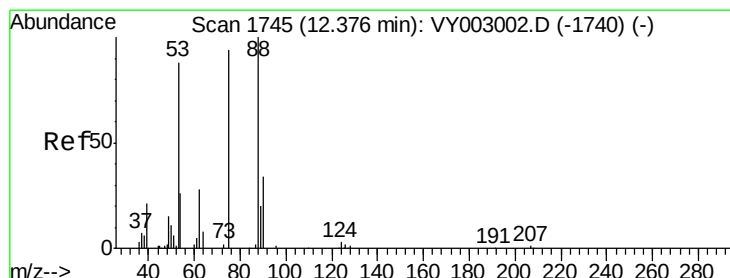
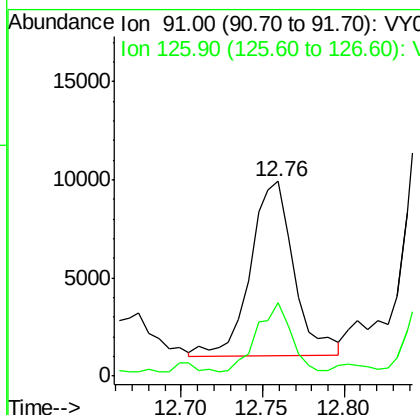
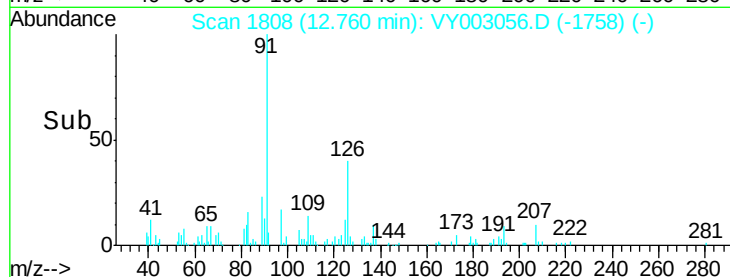
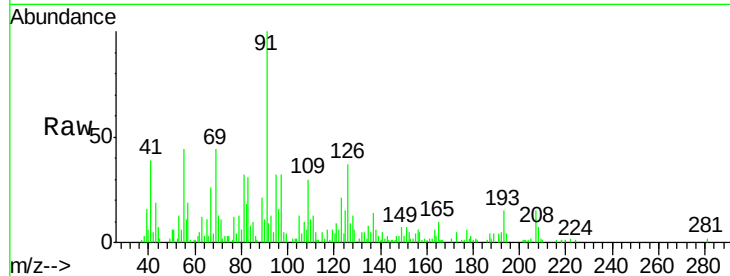




#79
2-Chlorotoluene
Concen: 1.837 ug/l
RT: 12.76 min Scan# 1808
Delta R.T. 0.01 min
Lab File: VY003056.D
Acq: 01 Jul 2020 14:10

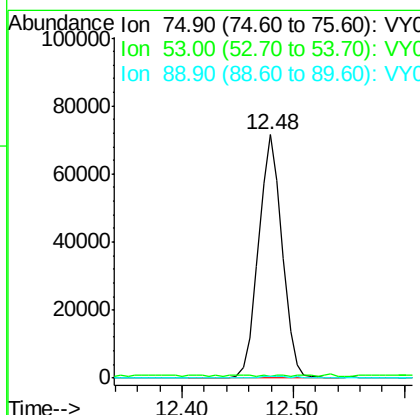
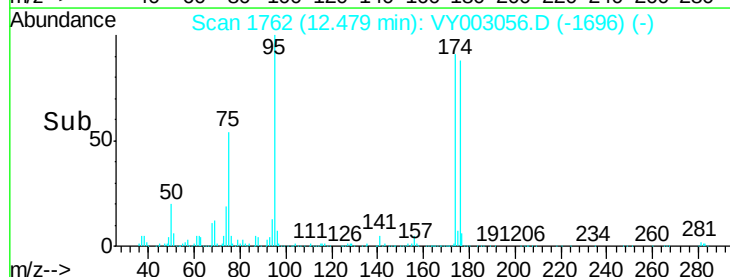
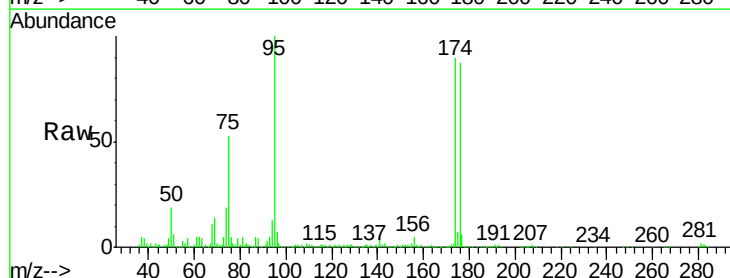
Instrument :
MSVOA_Y
ClientSampleId :
NB-7-063020

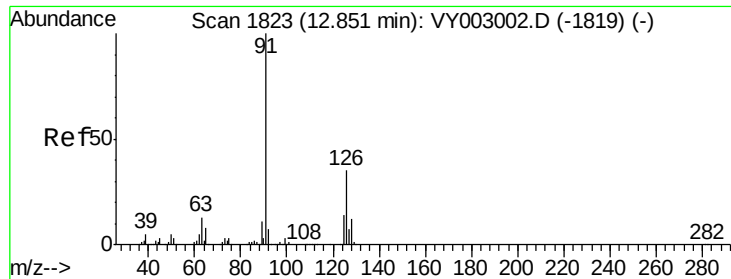
Tot Ion: 91 Resp: 16517
Ion Ratio Lower Upper
91 100
126 31.1 17.1 51.3



#81
trans-1,4-Dichloro-2-butene
Concen: 102.133 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY003056.D
Acq: 01 Jul 2020 14:10

Tgt Ion: 75 Resp: 106333
Ion Ratio Lower Upper
75 100
53 0.2 73.9 110.9#
89 0.4 37.5 56.3#





#82

4-Chlorotoluene

Concen: 3.337 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY003056.D

Acq: 01 Jul 2020 14:10

Instrument :

MSVOA_Y

ClientSampleId :

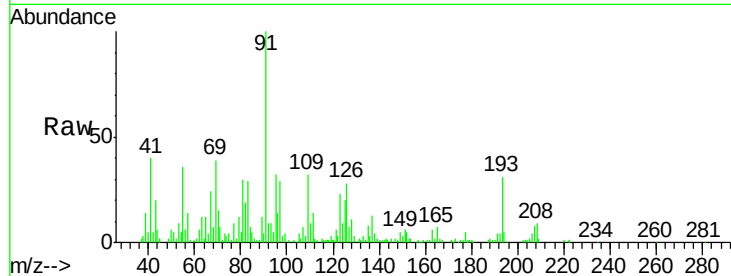
NB-7-063020

Tot Ion: 91 Resp: 31243

Ion Ratio Lower Upper

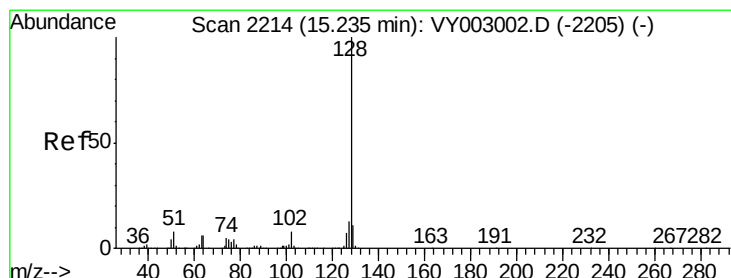
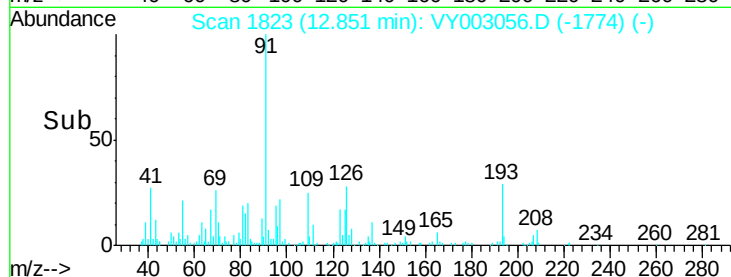
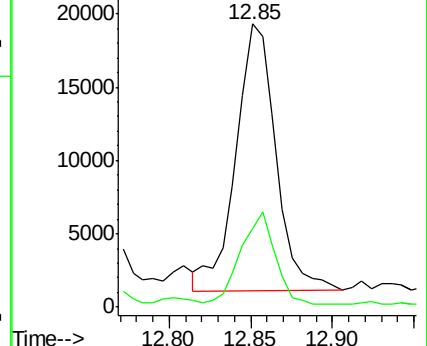
91 100

126 29.3 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V



#95

Naphthalene

Concen: 1.577 ug/l

RT: 15.23 min Scan# 2213

Delta R.T. -0.01 min

Lab File: VY003056.D

Acq: 01 Jul 2020 14:10

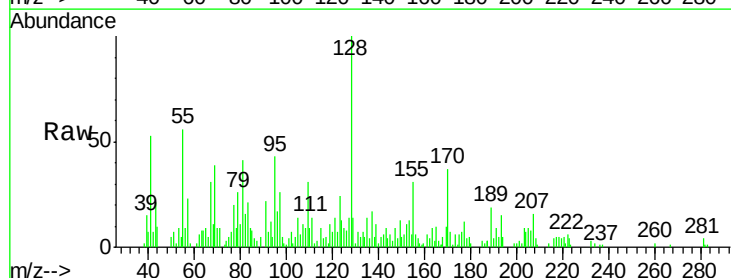
Tgt Ion: 128 Resp: 12316

Ion Ratio Lower Upper

128 100

127 22.3 10.8 16.2#

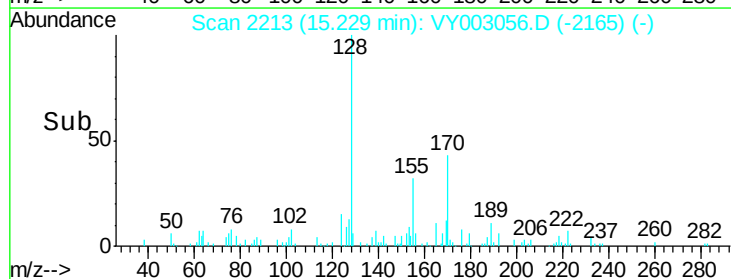
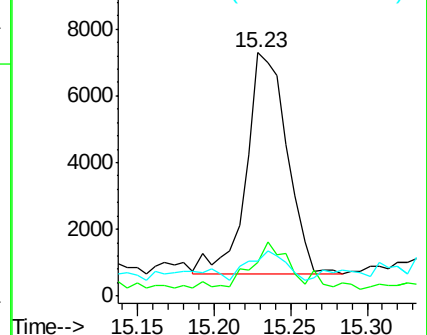
129 11.8 8.8 13.2

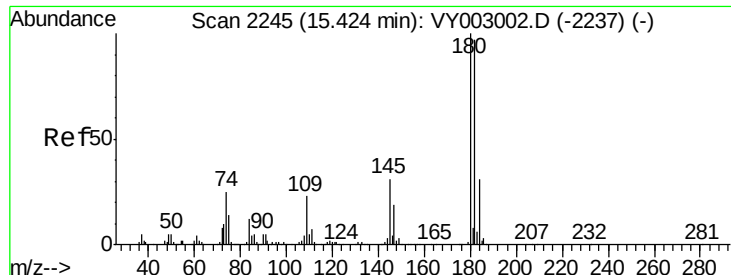


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.213 ug/l
 RT: 15.42 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VY003056.D
 Acq: 01 Jul 2020 14:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-7-063020

Tot Ion	Ratio	Lower	Upper
180	100		
182	86.5	47.8	143.3
145	0.0	14.7	44.1

