

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050620\
 Data File : VY002609.D
 Acq On : 06 May 2020 12:48
 Operator : SY/MD
 Sample : L2515-01
 Misc : 6.69G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-18-(1-2)

Quant Time: May 07 04:21:36 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	7.81	168	328697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	508470	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	417419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	154331	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	145727	52.73	ug/l	0.00
Spiked Amount			Recovery	=	105.46%	
35) Dibromofluoromethane	7.74	113	151727	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	
50) Toluene-d8	10.19	98	576909	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
62) 4-Bromofluorobenzene	12.49	95	160568	41.67	ug/l	0.00
Spiked Amount			Recovery	=	83.34%	

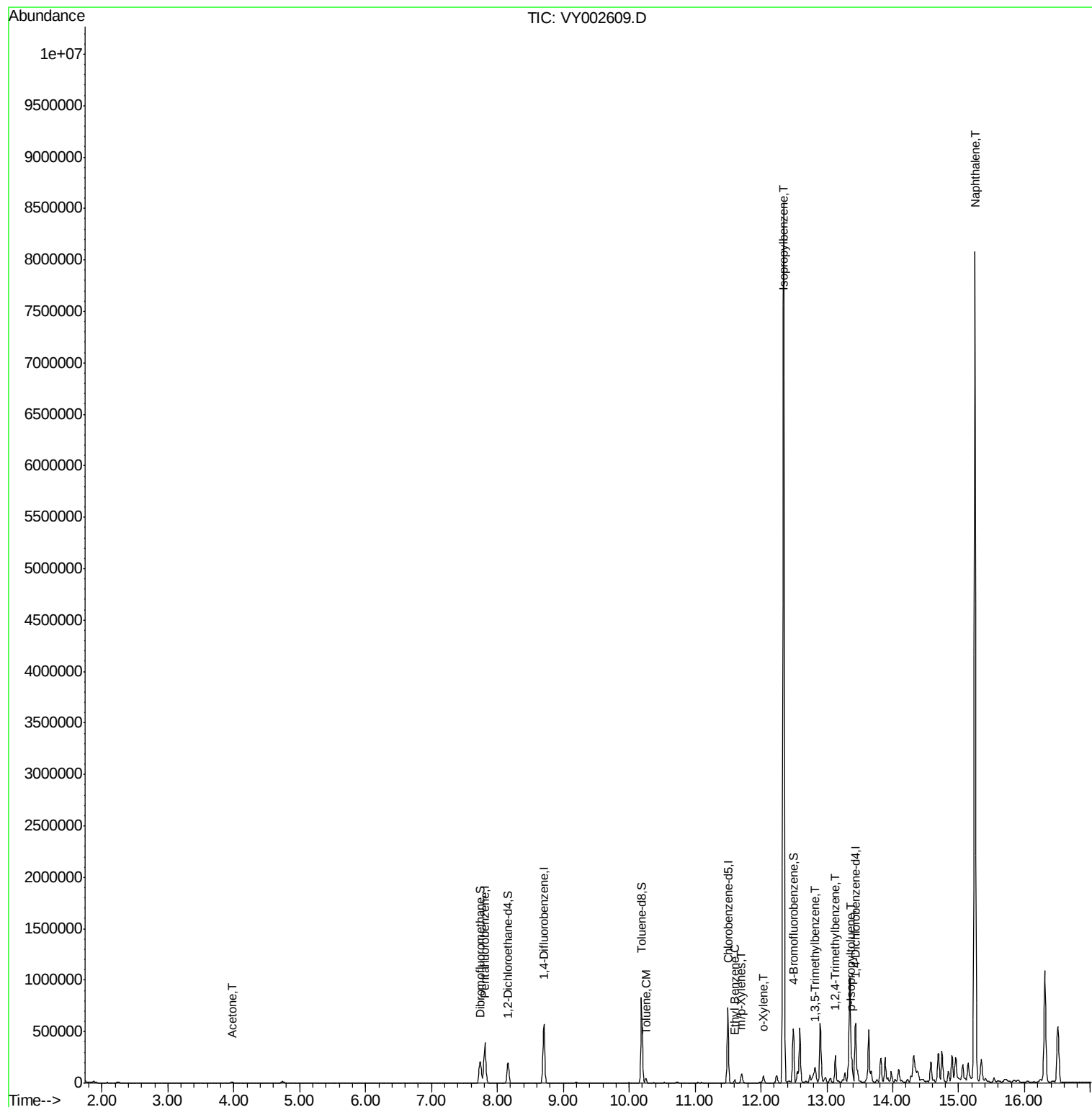
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.97	43	15967	27.994	ug/l	97
52) Toluene	10.25	92	18788	2.375	ug/l	99
67) Ethyl Benzene	11.60	91	20855	1.496	ug/l	98
68) m/p-Xylenes	11.70	106	28320	5.251	ug/l	100
69) o-Xylene	12.03	106	19395	3.841	ug/l	98
73) Isopropylbenzene	12.34	105	357695	35.762	ug/l #	56
80) 1,3,5-Trimethylbenzene	12.82	105	65766	7.932	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	140777	17.037	ug/l	98
86) p-Isopropyltoluene	13.38	119	141568	14.978	ug/l #	78
95) Naphthalene	15.25	128	6778858	1212.795	ug/l	99

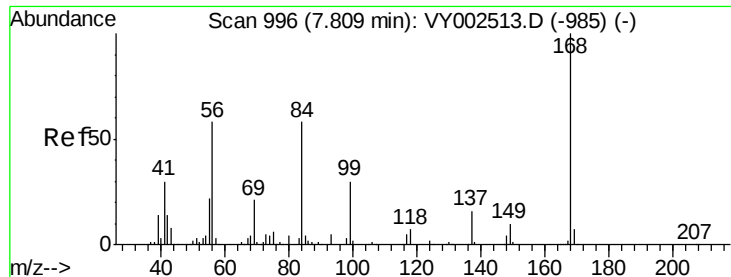
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY002609.D

Acq: 06 May 2020 12:48

Instrument :

MSVOA_Y

ClientSampleId :

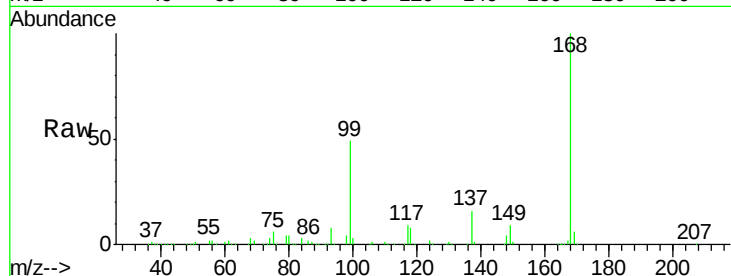
TP-18-(1-2)

Tot Ion:168 Resp: 328697

Ion Ratio Lower Upper

168 100

99 49.5 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002609.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002609.D (-947) (-)

7.81

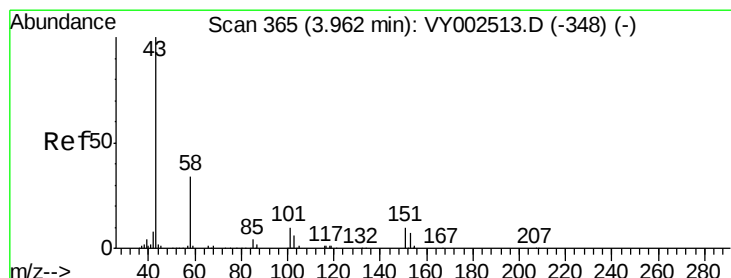
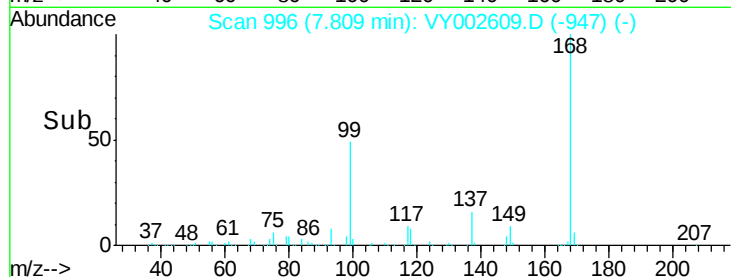
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 27.994 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY002609.D

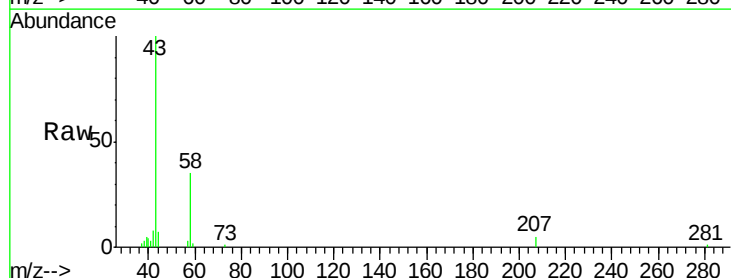
Acq: 06 May 2020 12:48

Tgt Ion: 43 Resp: 15967

Ion Ratio Lower Upper

43 100

58 35.1 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY002609.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VY002609.D (-316) (-)

3.97

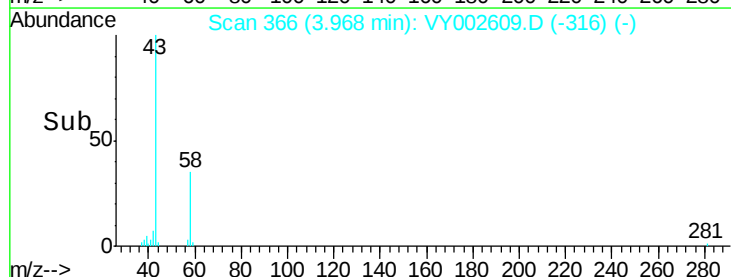
6000

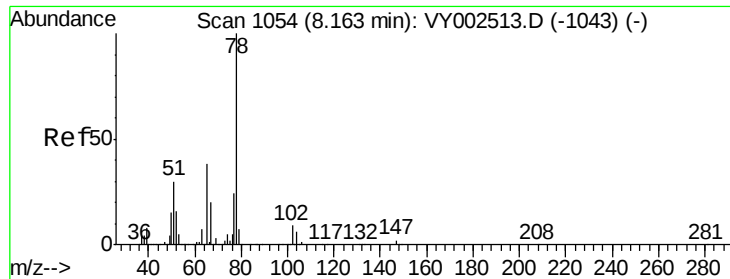
4000

2000

0

Time-->

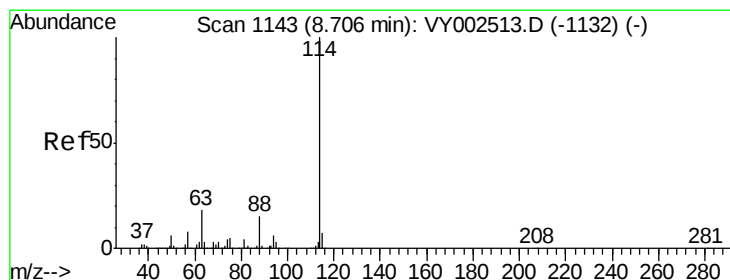
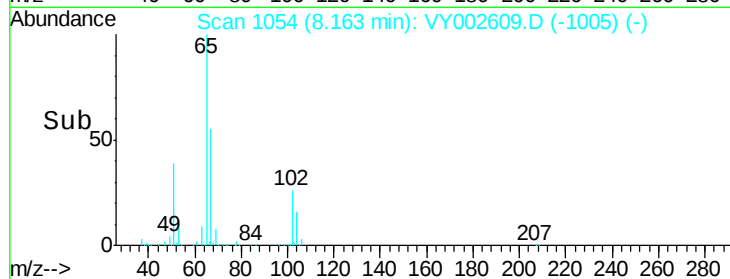
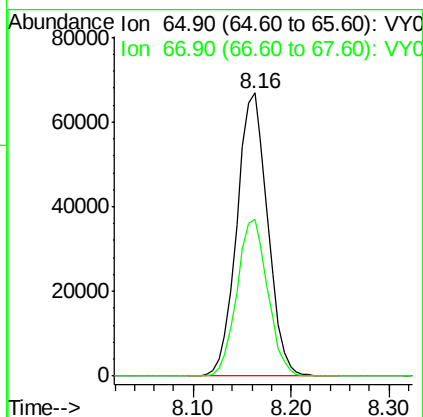
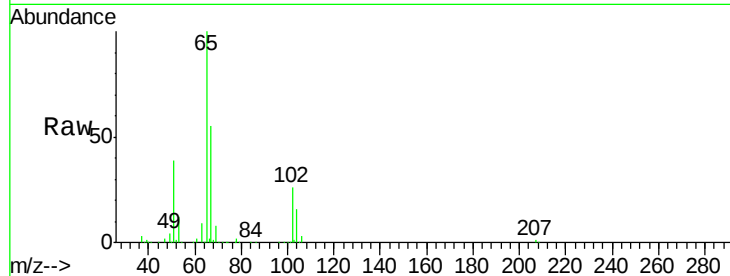




#33
 1,2-Dichloroethane-d4
 Concen: 52.728 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VY002609.D
 Acq: 06 May 2020 12:48

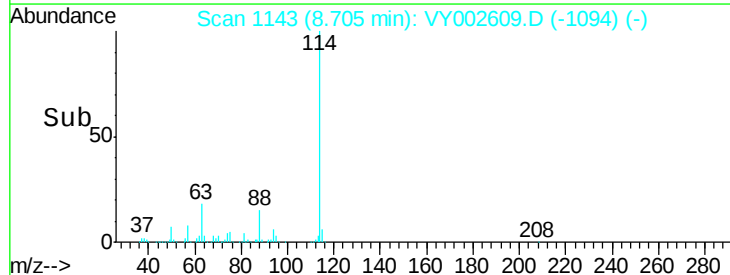
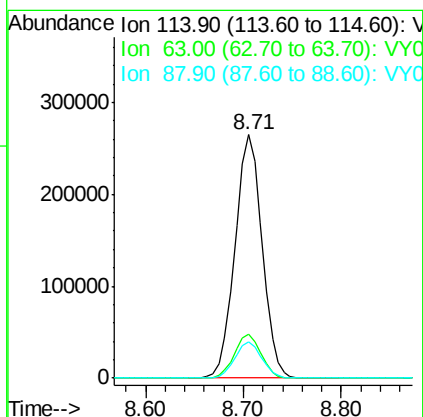
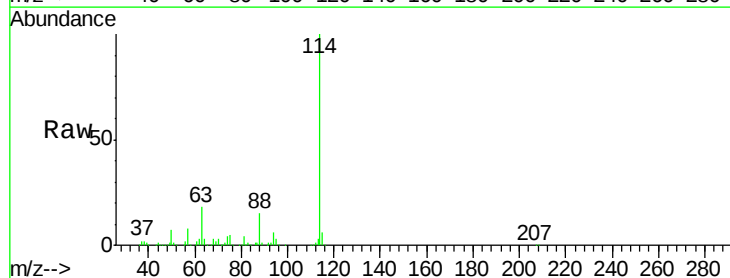
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-18-(1-2)

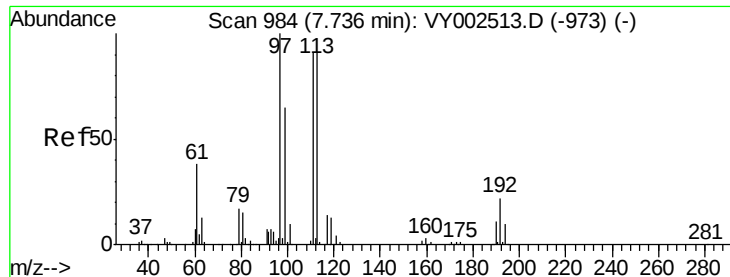
Tot Ion: 65 Resp: 145727
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VY002609.D
 Acq: 06 May 2020 12:48

Tgt Ion: 114 Resp: 508470
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 36.4
 88 14.9 0.0 29.6

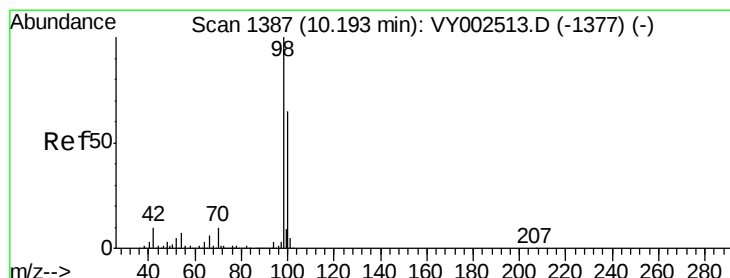
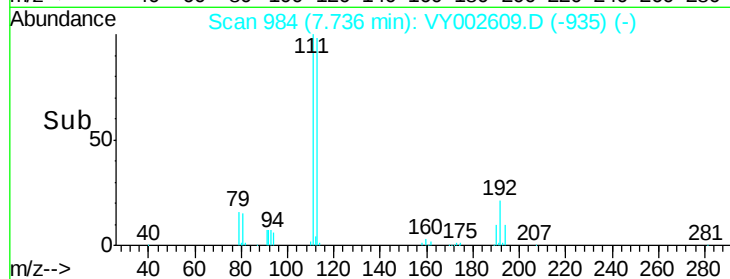
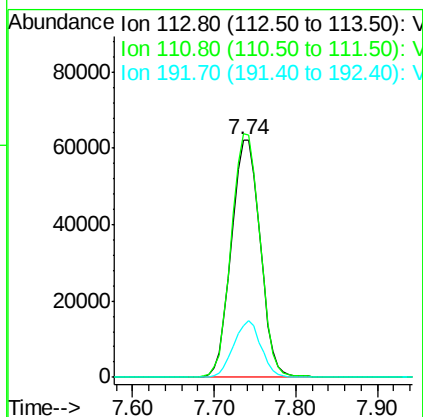
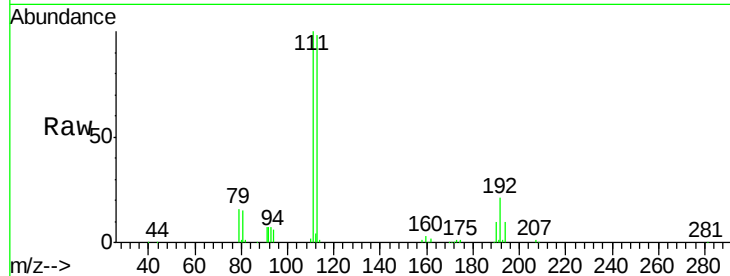




#35
Dibromofluoromethane
Concen: 52.177 ug/l
RT: 7.74 min Scan# 984
Delta R.T. -0.00 min
Lab File: VY002609.D
Acq: 06 May 2020 12:48

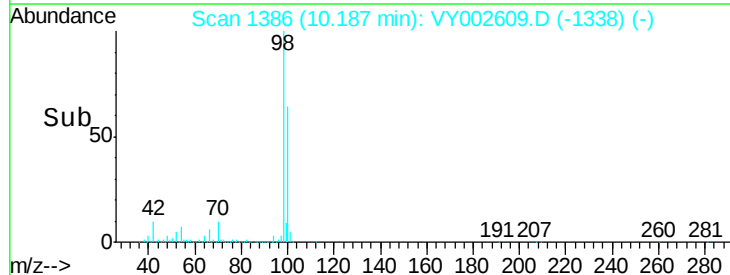
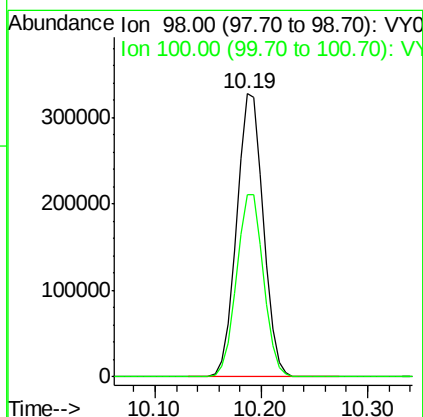
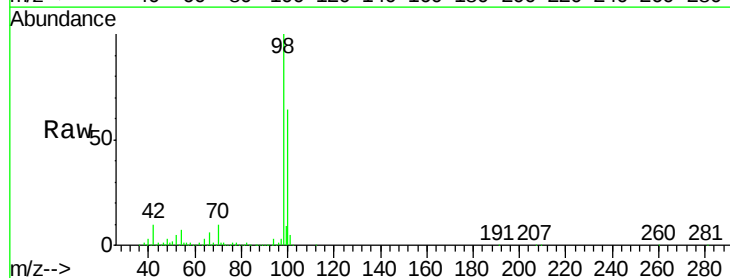
Instrument :
MSVOA_Y
ClientSampleId :
TP-18-(1-2)

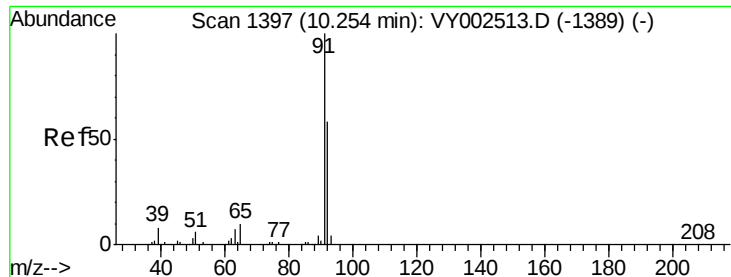
Tot Ion:113 Resp: 151727
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.6
192 22.5 18.2 27.4



#50
Toluene-d8
Concen: 50.802 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY002609.D
Acq: 06 May 2020 12:48

Tgt Ion: 98 Resp: 576909
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2





#52

Toluene

Concen: 2.375 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VY002609.D

Acq: 06 May 2020 12:48

Instrument :

MSVOA_Y

ClientSampleId :

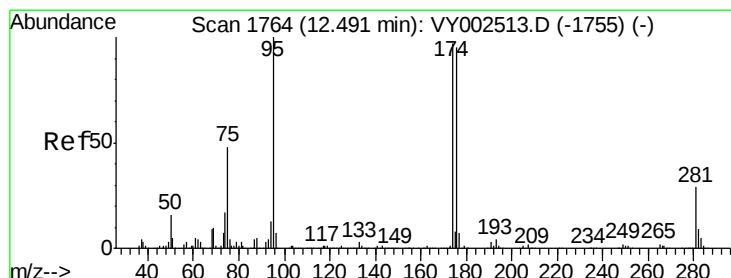
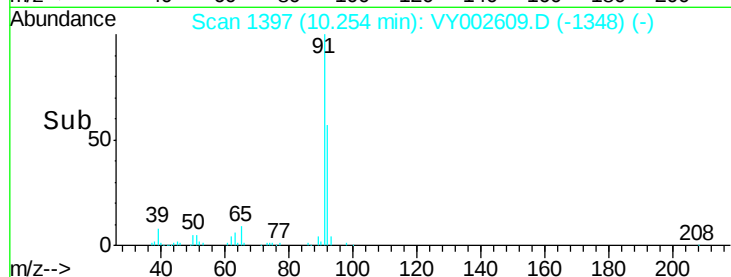
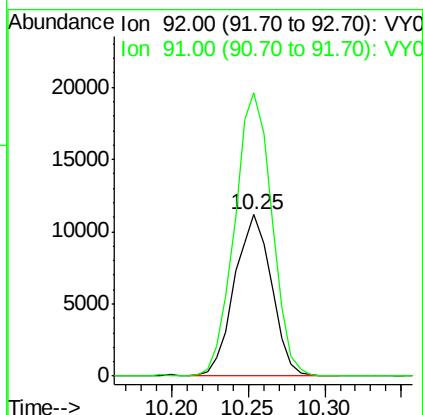
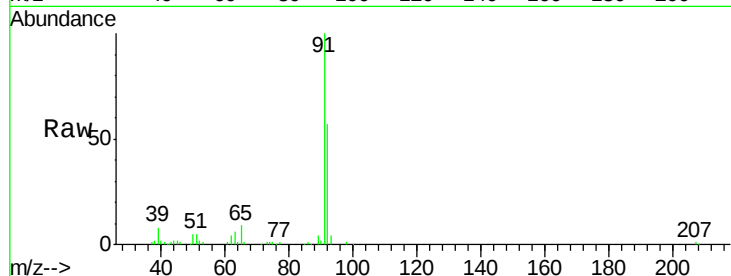
TP-18-(1-2)

Tot Ion: 92 Resp: 18788

Ion Ratio Lower Upper

92 100

91 176.1 139.3 208.9



#62

4-Bromofluorobenzene

Concen: 41.670 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VY002609.D

Acq: 06 May 2020 12:48

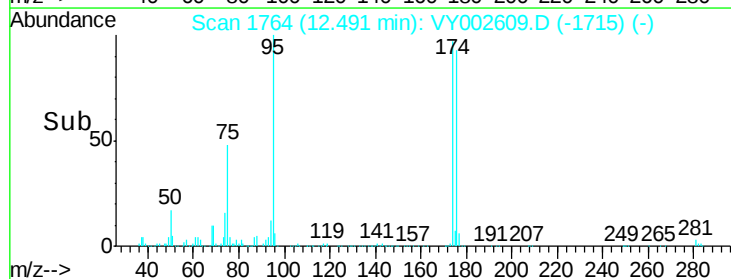
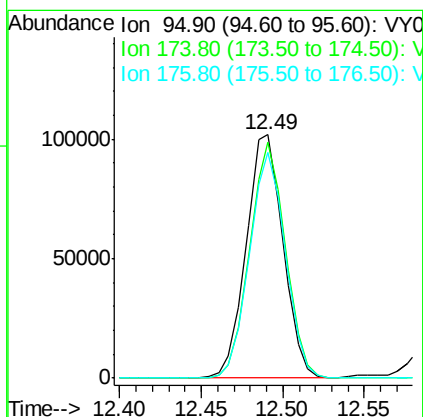
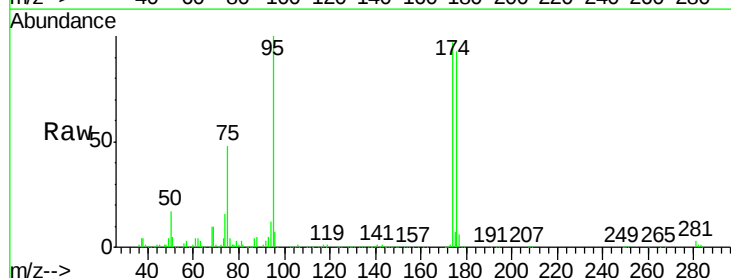
Tgt Ion: 95 Resp: 160568

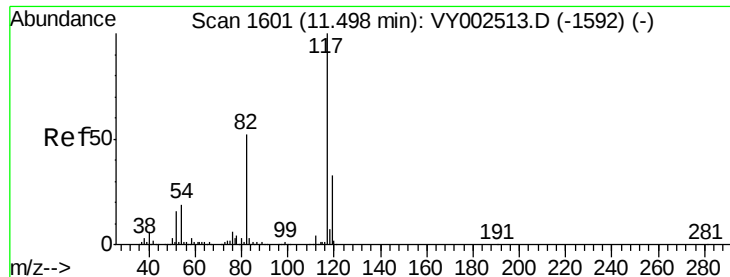
Ion Ratio Lower Upper

95 100

174 93.6 0.0 188.8

176 90.2 0.0 183.2

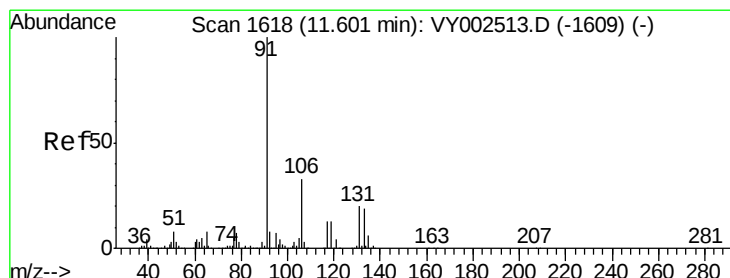
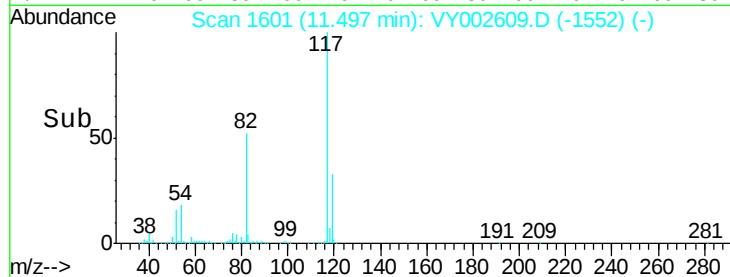
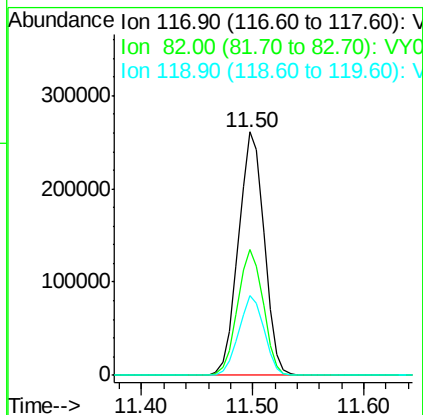
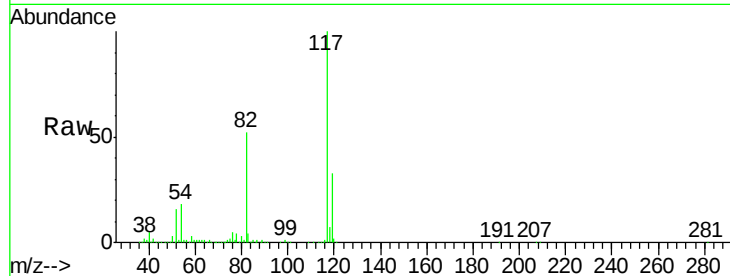




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002609.D
Acq: 06 May 2020 12:48

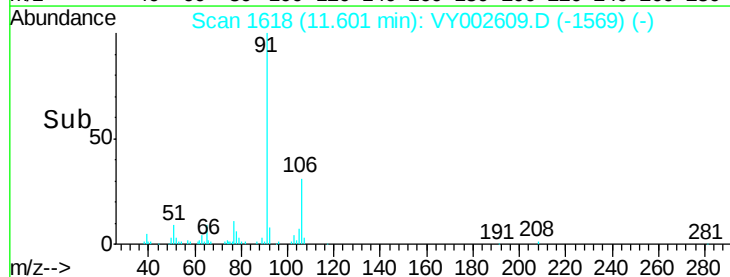
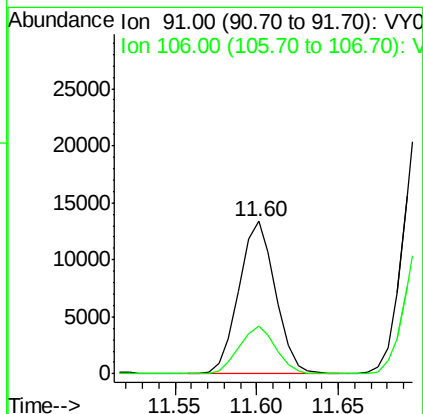
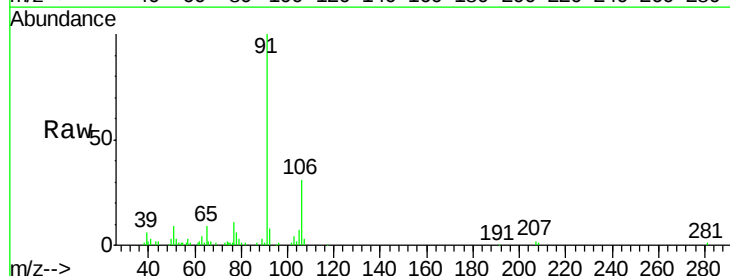
Instrument :
MSVOA_Y
ClientSampleId :
TP-18-(1-2)

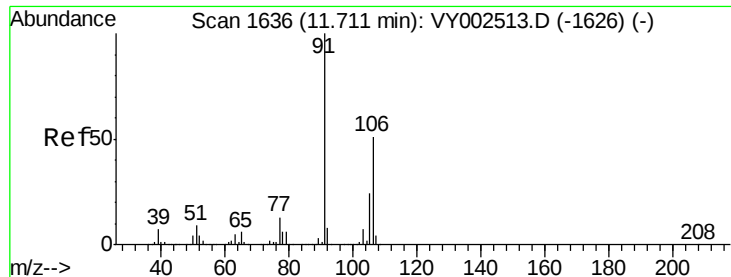
Tot Ion:117 Resp: 417419
Ion Ratio Lower Upper
117 100
82 51.7 41.3 61.9
119 32.9 26.0 39.0



#67
Ethyl Benzene
Concen: 1.496 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002609.D
Acq: 06 May 2020 12:48

Tgt Ion: 91 Resp: 20855
Ion Ratio Lower Upper
91 100
106 31.3 26.1 39.1





#68

m/p-Xylenes

Concen: 5.251 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY002609.D

Acq: 06 May 2020 12:48

Instrument :

MSVOA_Y

ClientSampleId :

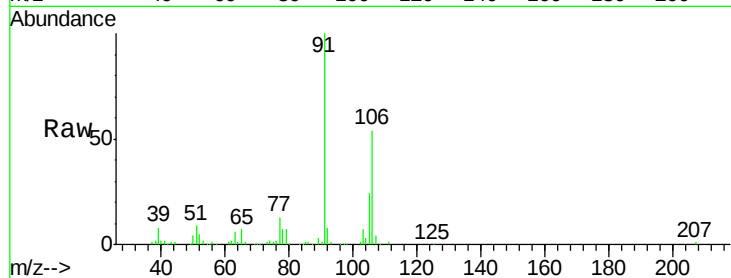
TP-18-(1-2)

Tot Ion:106 Resp: 28320

Ion Ratio Lower Upper

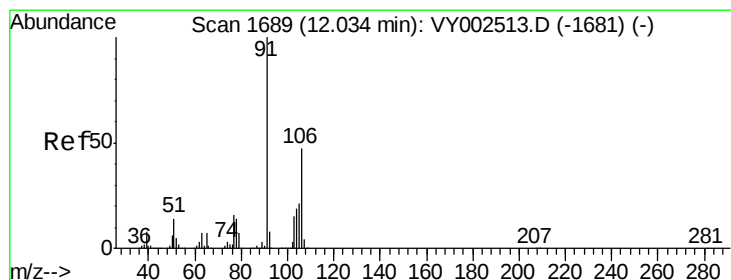
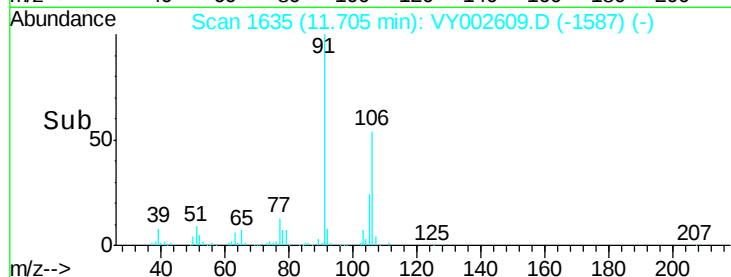
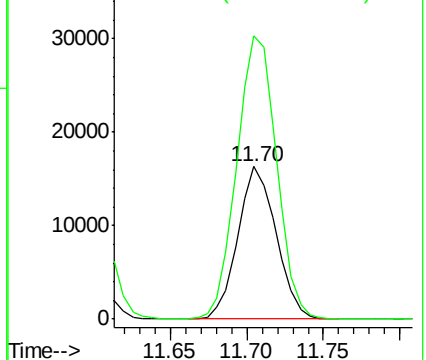
106 100

91 193.3 155.2 232.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#69

o-Xylene

Concen: 3.841 ug/l

RT: 12.03 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VY002609.D

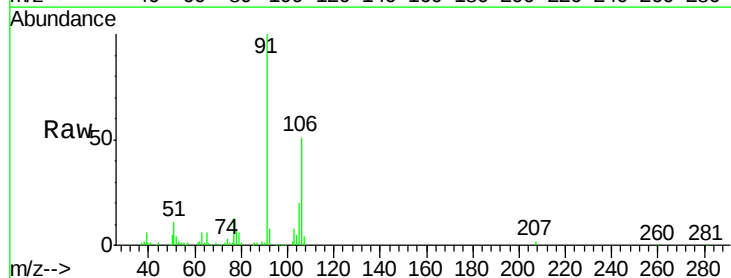
Acq: 06 May 2020 12:48

Tgt Ion:106 Resp: 19395

Ion Ratio Lower Upper

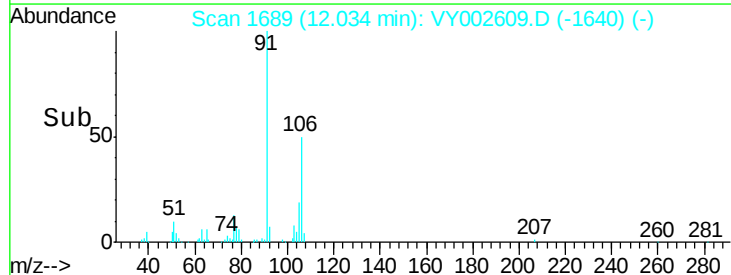
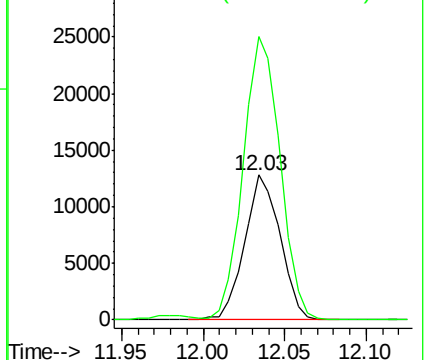
106 100

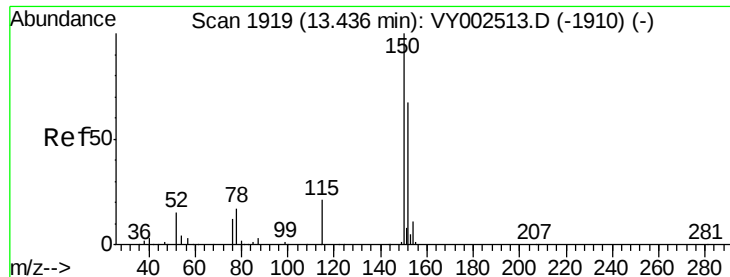
91 203.8 103.8 311.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



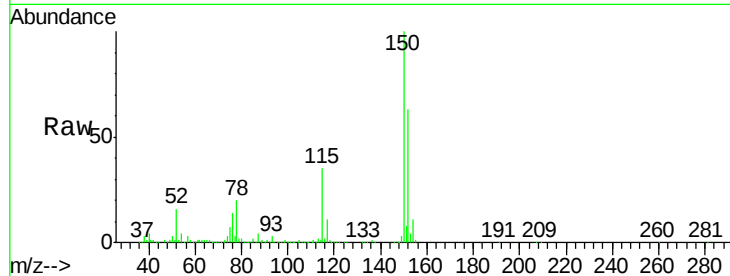


#72

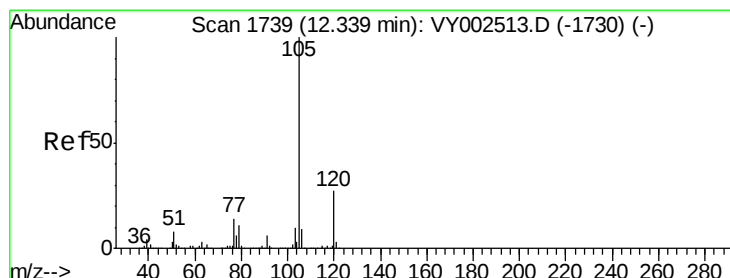
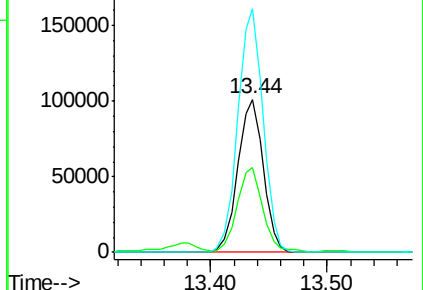
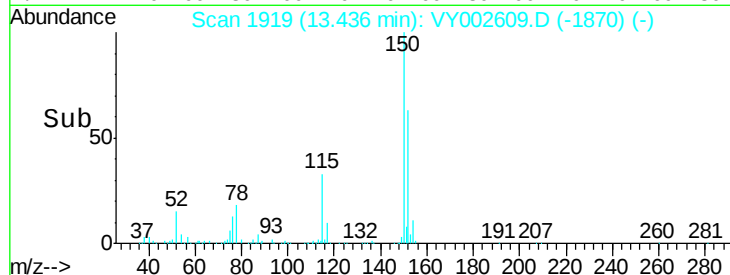
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY002609.D
Acq: 06 May 2020 12:48

Instrument :
MSVOA_Y
ClientSampleId :
TP-18-(1-2)

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.1	27.5	82.4
150	157.8	0.0	346.4



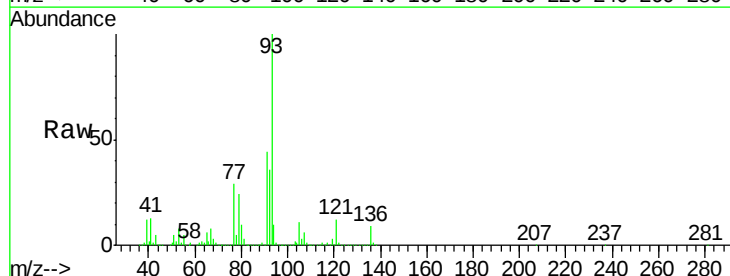
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



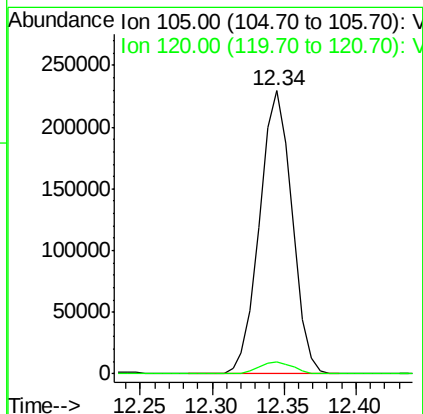
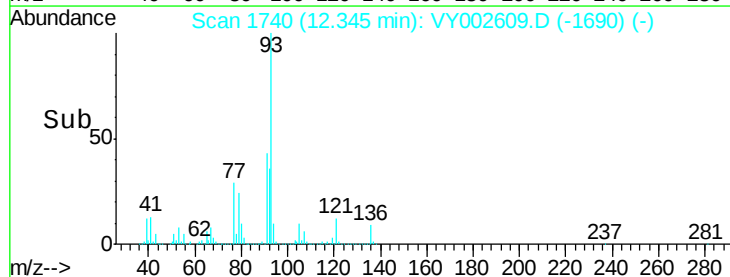
#73

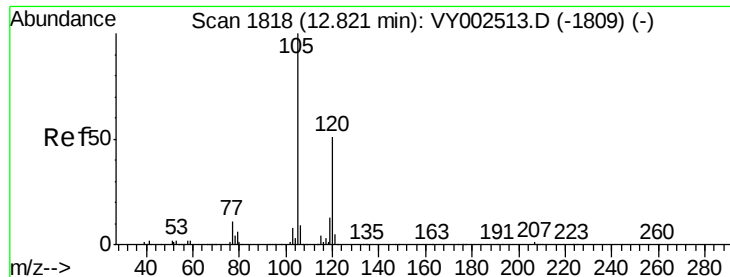
Isopropylbenzene
Concen: 35.762 ug/l
RT: 12.34 min Scan# 1740
Delta R.T. 0.01 min
Lab File: VY002609.D
Acq: 06 May 2020 12:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	4.6	13.8	41.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 7.932 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY002609.D

Acq: 06 May 2020 12:48

Instrument :

MSVOA_Y

ClientSampled :

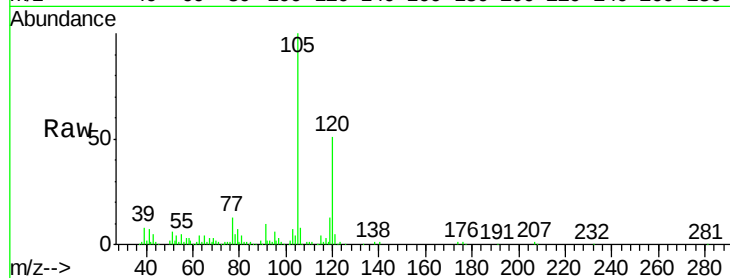
TP-18-(1-2)

Tot Ion:105 Resp: 65766

Ion Ratio Lower Upper

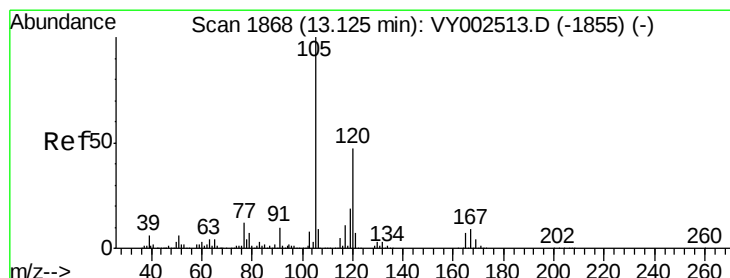
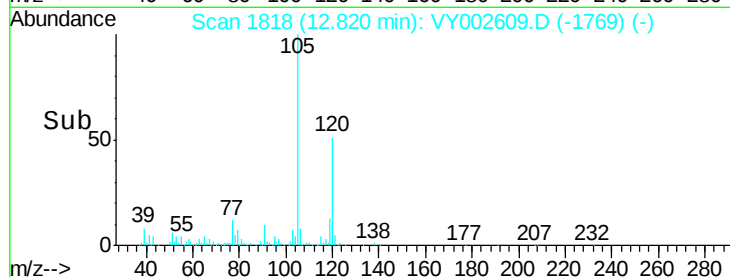
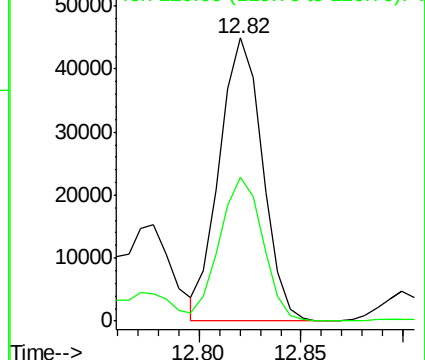
105 100

120 51.0 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 17.037 ug/l

RT: 13.13 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VY002609.D

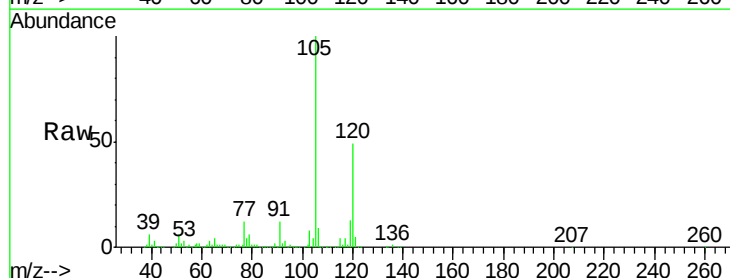
Acq: 06 May 2020 12:48

Tgt Ion:105 Resp: 140777

Ion Ratio Lower Upper

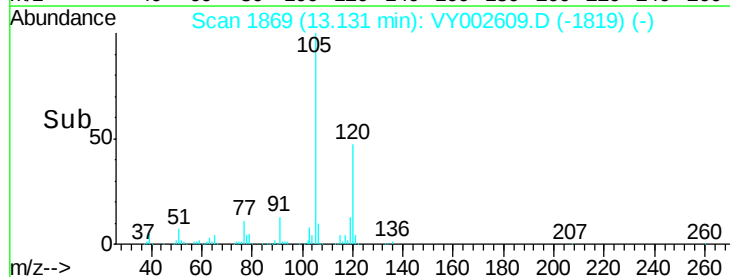
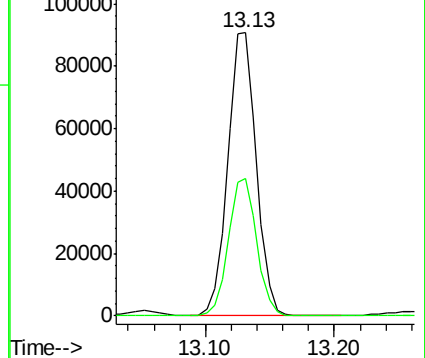
105 100

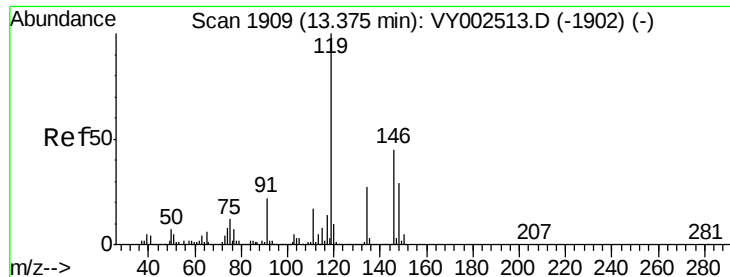
120 48.0 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

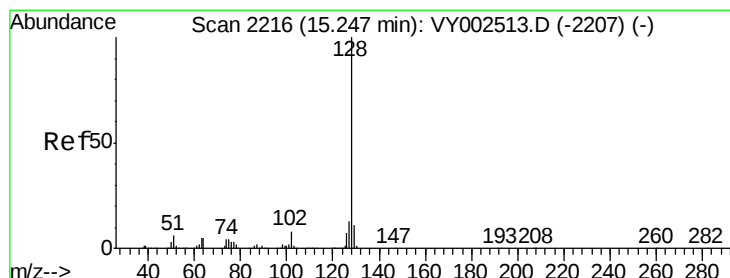
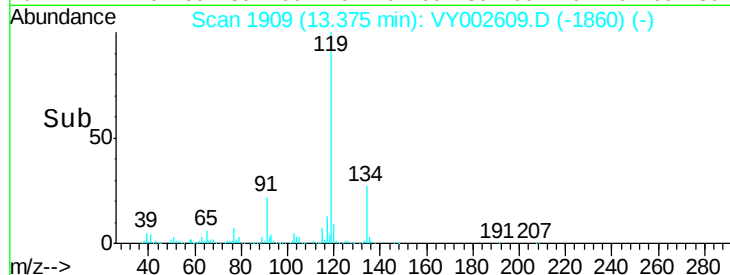
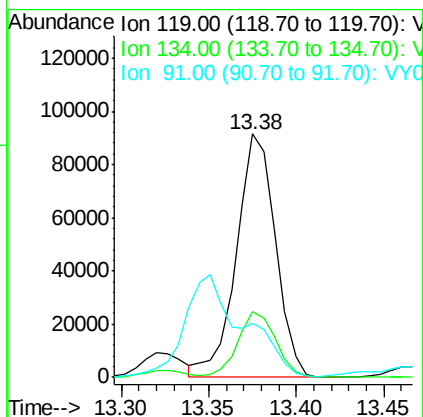
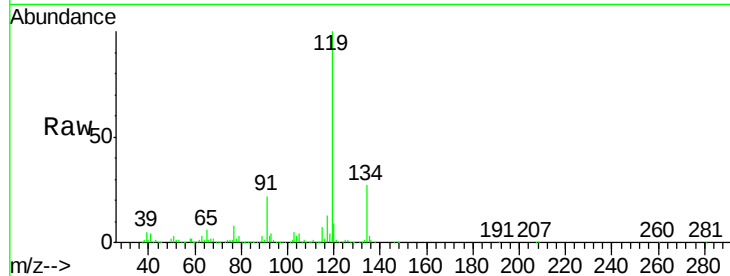




#86
p-Isopropyltoluene
Concen: 14.978 ug/l
RT: 13.38 min Scan# 1909
Delta R.T. -0.00 min
Lab File: VY002609.D
Acq: 06 May 2020 12:48

Instrument :
MSVOA_Y
ClientSampleId :
TP-18-(1-2)

Tot Ion:119 Resp: 141568
Ion Ratio Lower Upper
119 100
134 26.2 13.5 40.5
91 0.0 10.9 32.9#



#95
Naphthalene
Concen: 1212.795 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY002609.D
Acq: 06 May 2020 12:48

Tgt Ion:128 Resp: 6778858
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 11.4 8.8 13.2

