

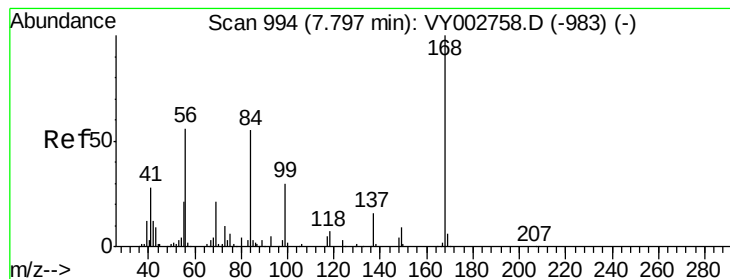
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY060120\
 Data File : VY002806.D
 Acq On : 01 Jun 2020 13:38
 Operator : SY/MD
 Sample : L2813-01
 Misc : 7.92G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-02-052920

Quant Time: Jun 01 18:23:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	231646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	371427	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	323866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	139473	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	112423	55.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.78%	
35) Dibromofluoromethane	7.72	113	112229	51.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.12%	
50) Toluene-d8	10.18	98	415971	47.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.52%	
62) 4-Bromofluorobenzene	12.48	95	135224	44.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.92%	
Target Compounds						
68) m/p-Xylenes	11.70	106	4478	1.041	ug/l #	74
69) o-Xylene	12.03	106	70312	17.310	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	693166	92.882	ug/l	100
82) 4-Chlorotoluene	13.12	91	6880	1.134	ug/l	90
83) tert-Butylbenzene	13.07	119	15162	2.278	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	101195	13.486	ug/l	99
85) sec-Butylbenzene	13.25	105	59551m	6.543	ug/l	
86) p-Isopropyltoluene	13.37	119	130963	15.463	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002806.D

Acq: 01 Jun 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

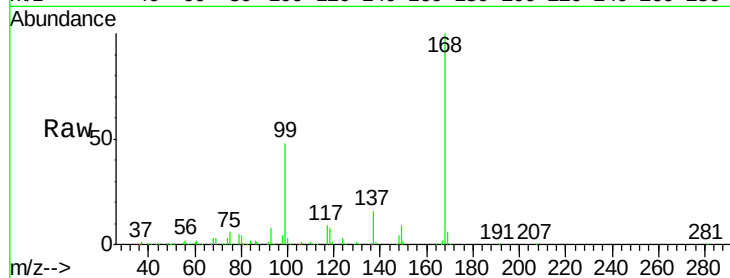
EO-02-052920

Tot Ion:168 Resp: 231646

Ion Ratio Lower Upper

168 100

99 47.6 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002806.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002806.D (-945) (-)

7.80

100000

80000

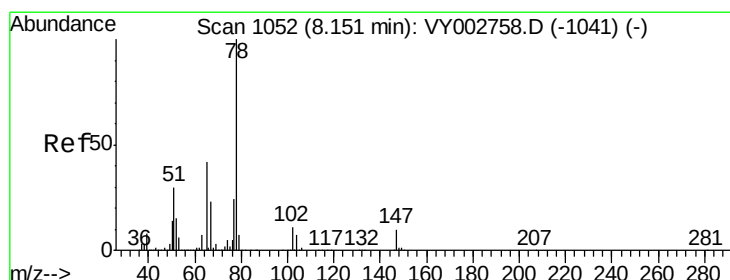
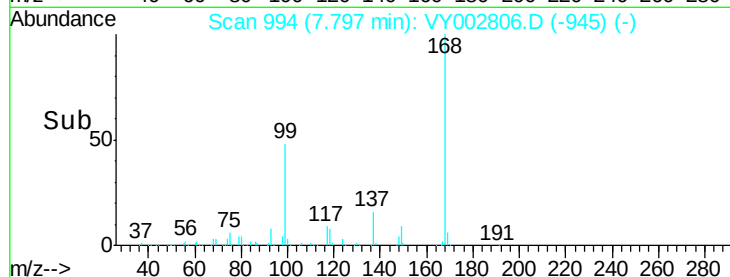
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 55.895 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY002806.D

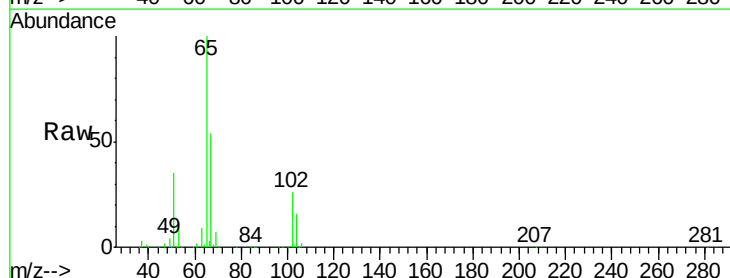
Acq: 01 Jun 2020 13:38

Tgt Ion: 65 Resp: 112423

Ion Ratio Lower Upper

65 100

67 54.0 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY002806.D (-1003) (-)

Ion 66.90 (66.60 to 67.60): VY002806.D (-1003) (-)

8.15

60000

50000

40000

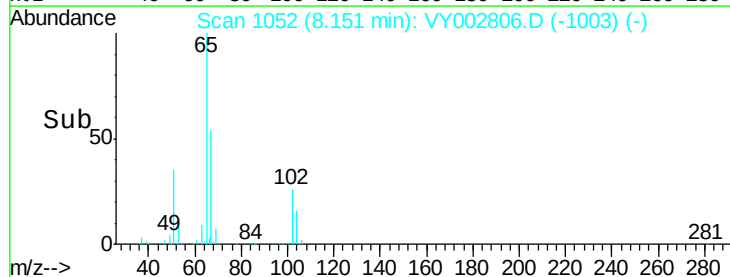
30000

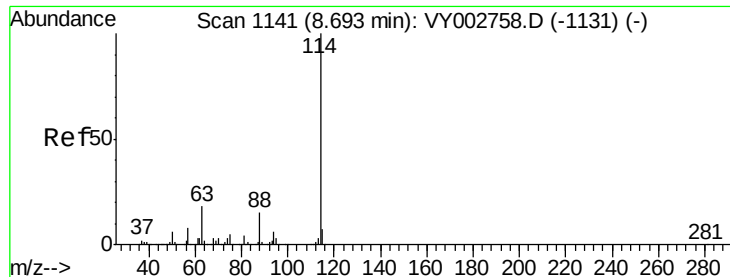
20000

10000

0

Time-->

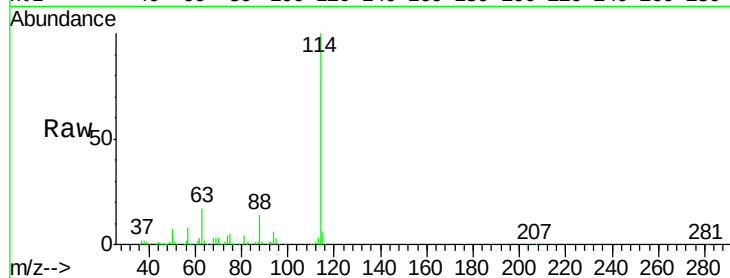




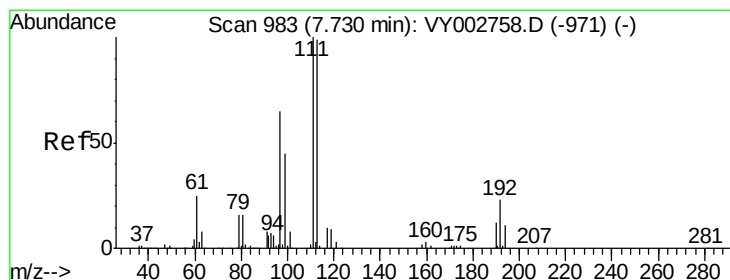
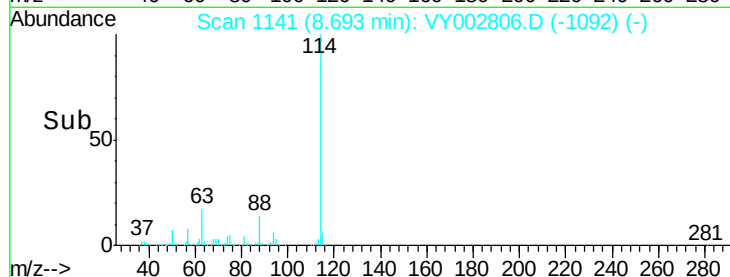
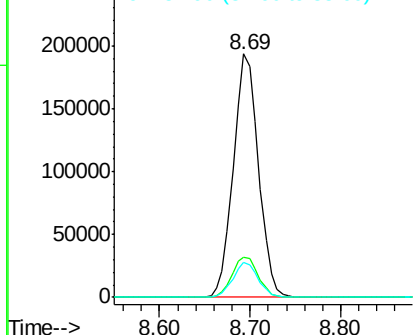
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.69 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VY002806.D
Acq: 01 Jun 2020 13:38

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-052920

Tot Ion	Ratio	Lower	Upper
114	100		
63	16.6	0.0	35.2
88	14.5	0.0	29.2

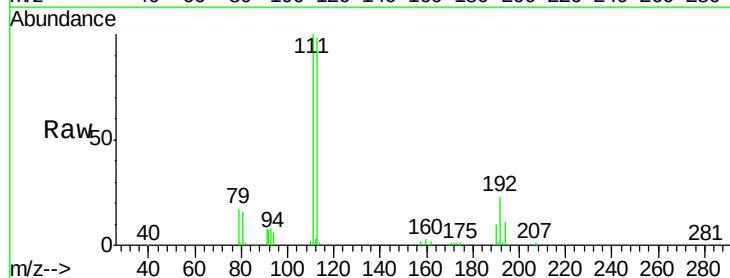


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

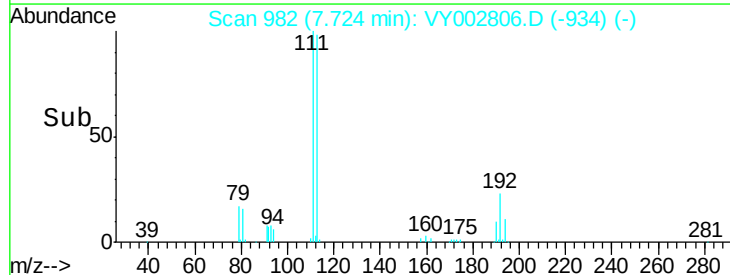
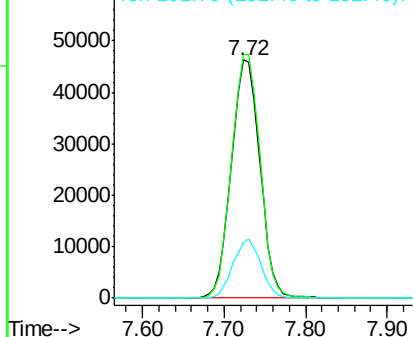


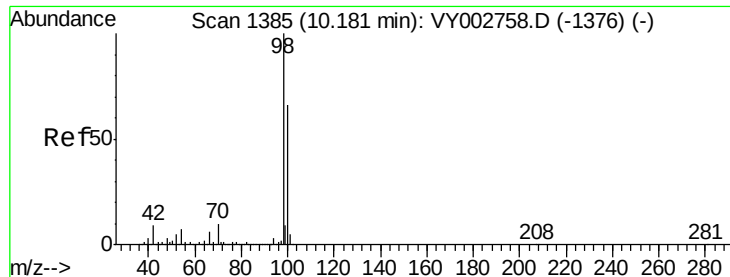
#35
Dibromofluoromethane
Concen: 51.558 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY002806.D
Acq: 01 Jun 2020 13:38

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.0	123.0
192	23.9	18.9	28.3



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





#50

Toluene-d8

Concen: 47.263 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002806.D

Acq: 01 Jun 2020 13:38

Instrument :

MSVOA_Y

ClientSampled :

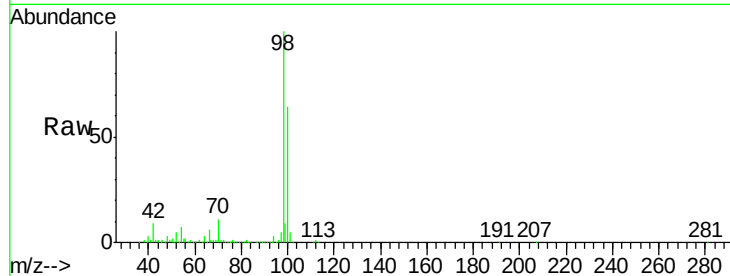
EO-02-052920

Tot Ion: 98 Resp: 415971

Ion Ratio Lower Upper

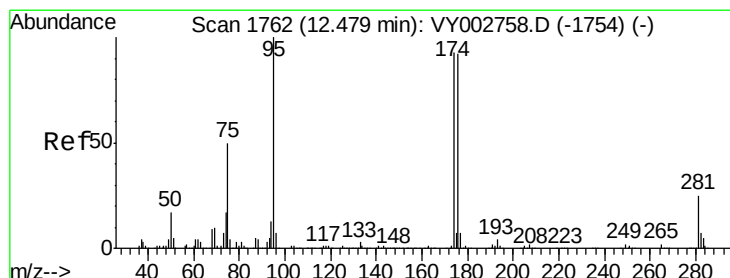
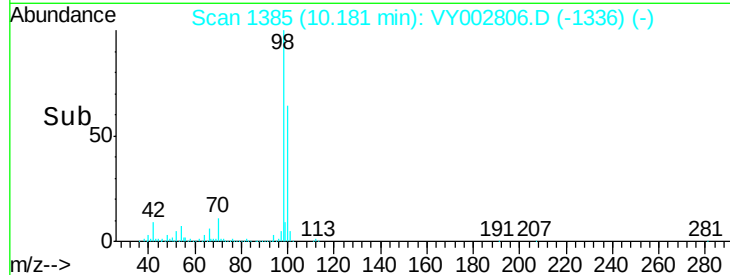
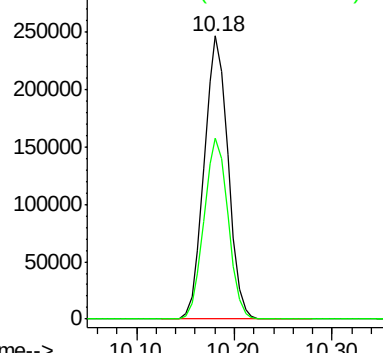
98 100

100 64.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



#62

4-Bromofluorobenzene

Concen: 44.958 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002806.D

Acq: 01 Jun 2020 13:38

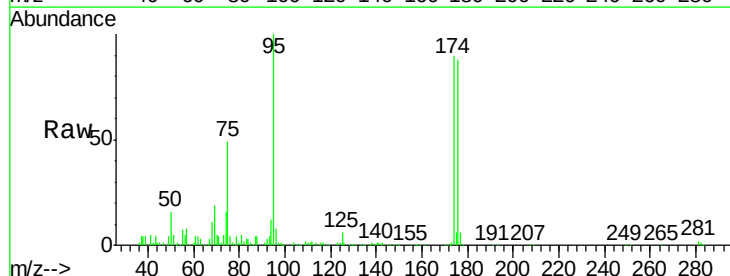
Tgt Ion: 95 Resp: 135224

Ion Ratio Lower Upper

95 100

174 93.3 0.0 191.2

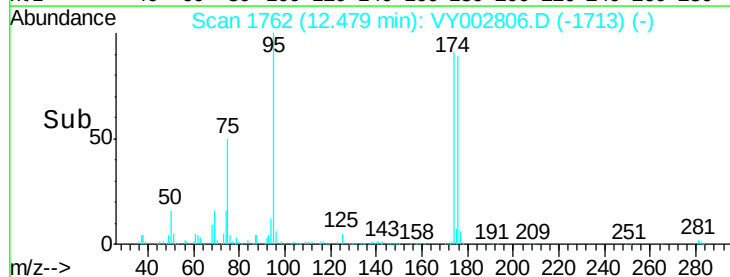
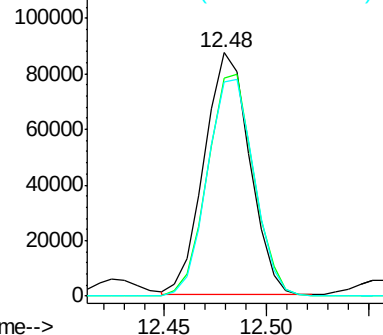
176 91.7 0.0 188.8

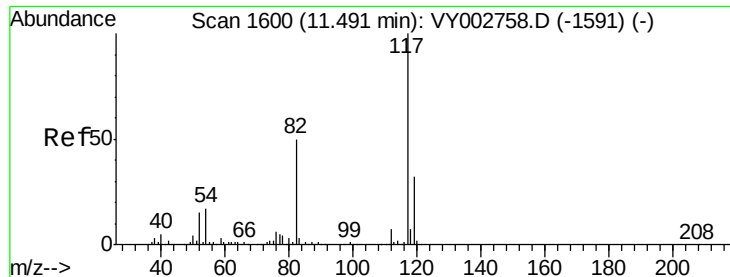


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

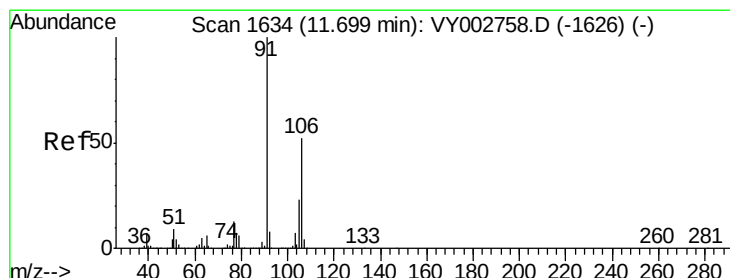
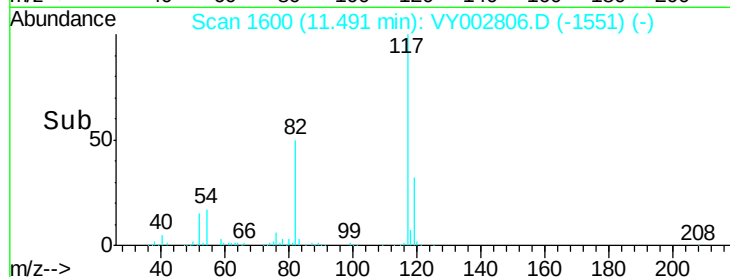
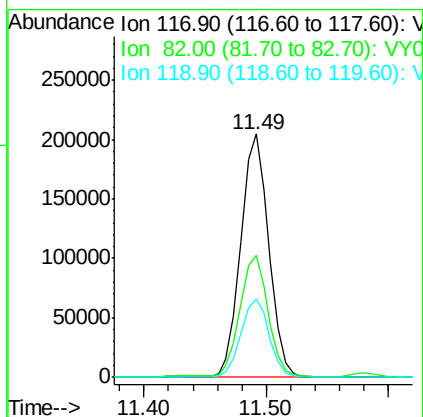
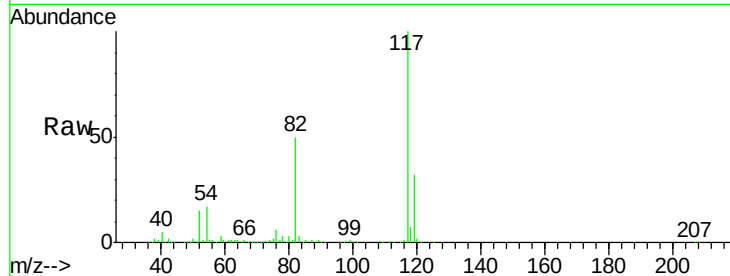




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002806.D
Acq: 01 Jun 2020 13:38

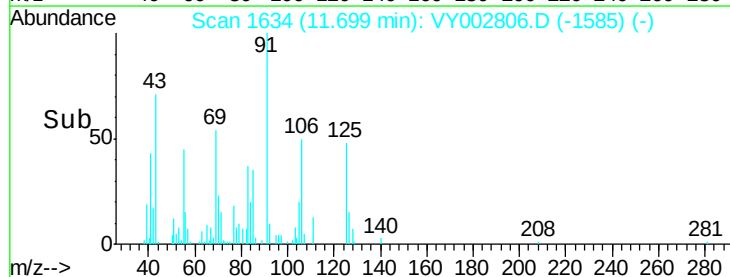
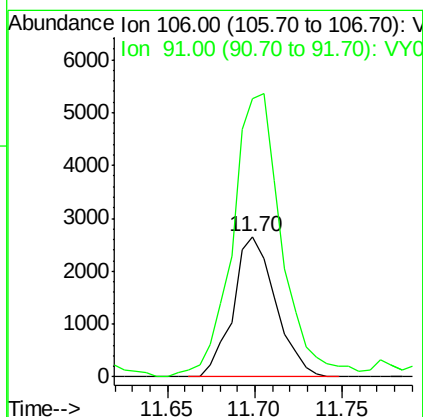
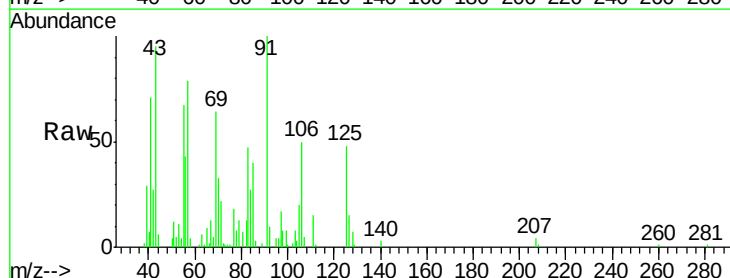
Instrument :
MSVOA_Y
ClientSampled :
EO-02-052920

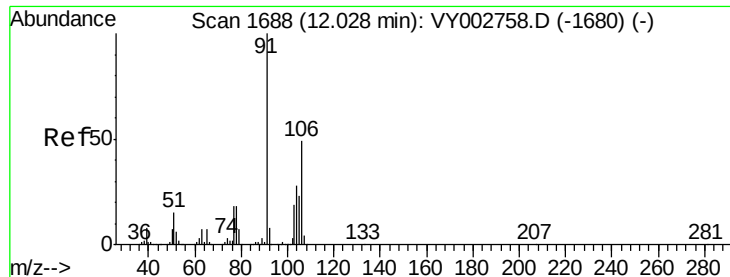
Tot Ion:117 Resp: 323866
Ion Ratio Lower Upper
117 100
82 49.7 40.2 60.4
119 32.3 25.8 38.8



#68
m/p-Xylenes
Concen: 1.041 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY002806.D
Acq: 01 Jun 2020 13:38

Tgt Ion:106 Resp: 4478
Ion Ratio Lower Upper
106 100
91 234.5 156.0 234.0#

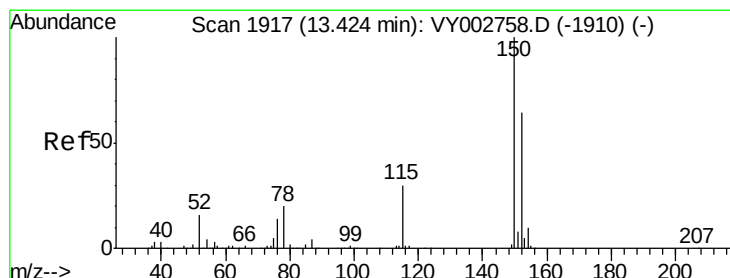
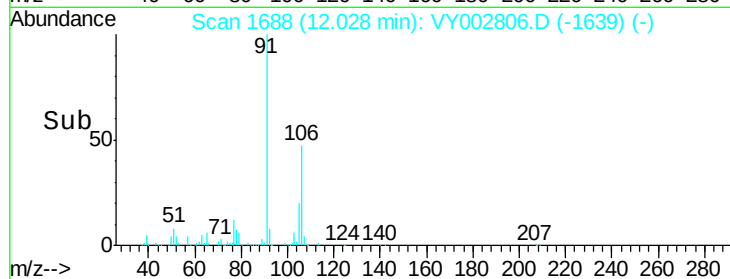
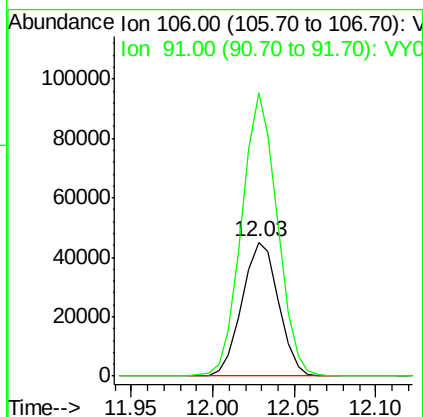
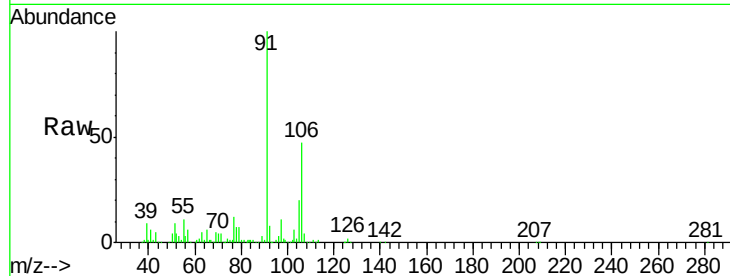




#69
o-Xylene
Concen: 17.310 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002806.D
Acq: 01 Jun 2020 13:38

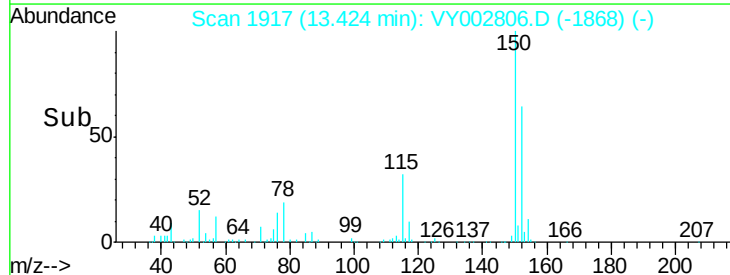
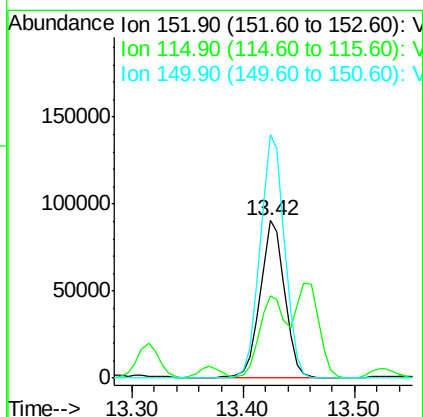
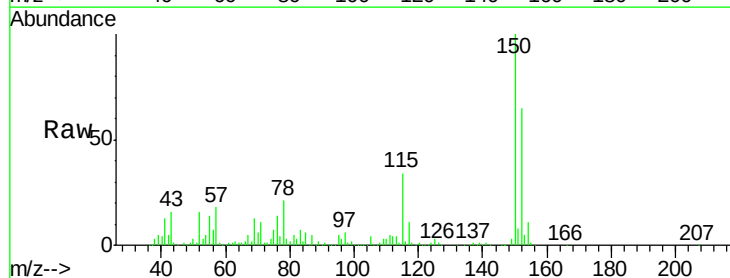
Instrument :
MSVOA_Y
ClientSampled :
EO-02-052920

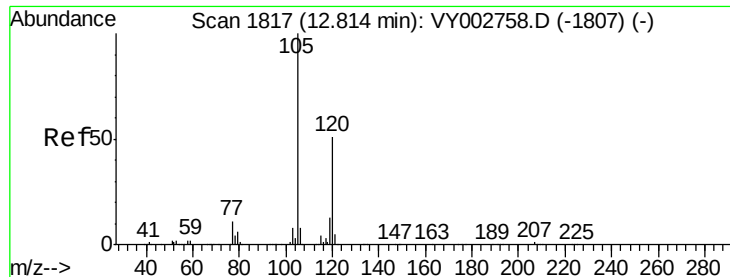
Tot Ion:106 Resp: 70312
Ion Ratio Lower Upper
106 100
91 206.8 102.4 307.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002806.D
Acq: 01 Jun 2020 13:38

Tgt Ion:152 Resp: 139473
Ion Ratio Lower Upper
152 100
115 57.2 27.0 81.0
150 154.2 0.0 344.8





#80

1,3,5-Trimethylbenzene

Concen: 92.882 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VY002806.D

Acq: 01 Jun 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

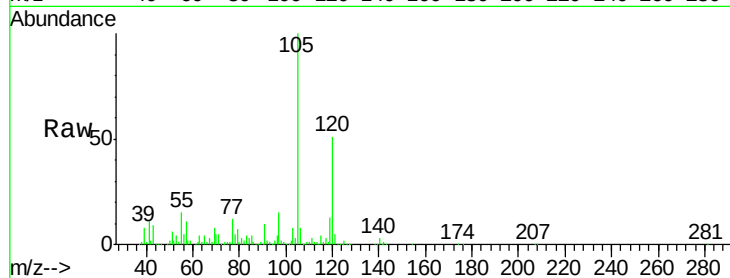
EO-02-052920

Tot Ion:105 Resp: 693166

Ion Ratio Lower Upper

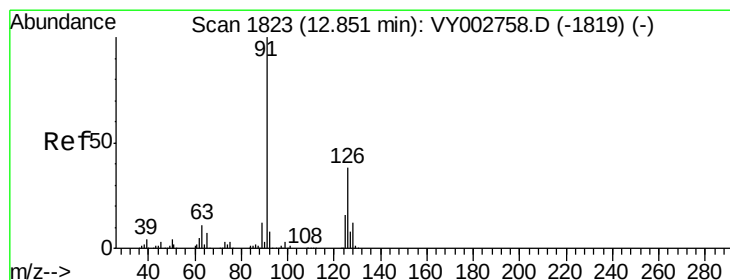
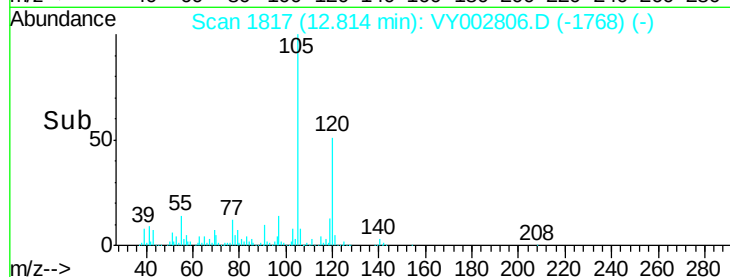
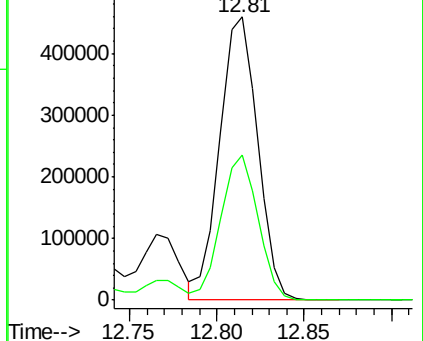
105 100

120 50.3 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#82

4-Chlorotoluene

Concen: 1.134 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.27 min

Lab File: VY002806.D

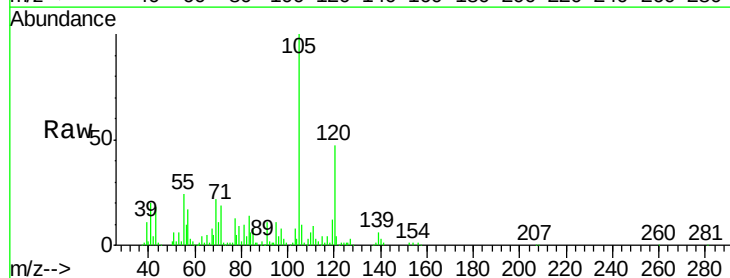
Acq: 01 Jun 2020 13:38

Tgt Ion: 91 Resp: 6880

Ion Ratio Lower Upper

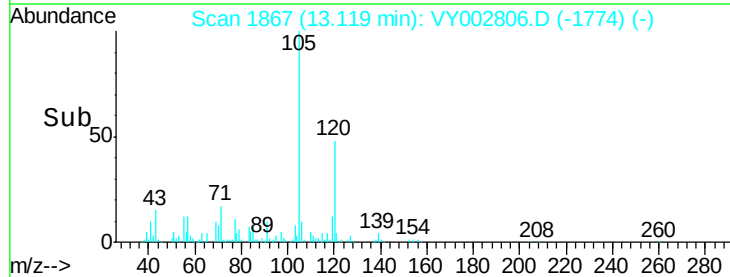
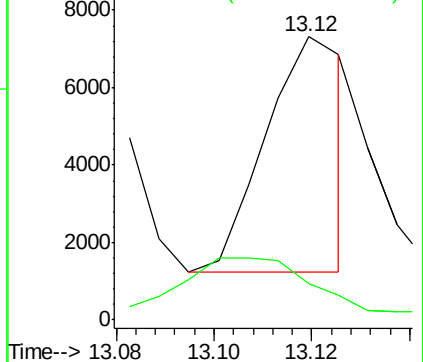
91 100

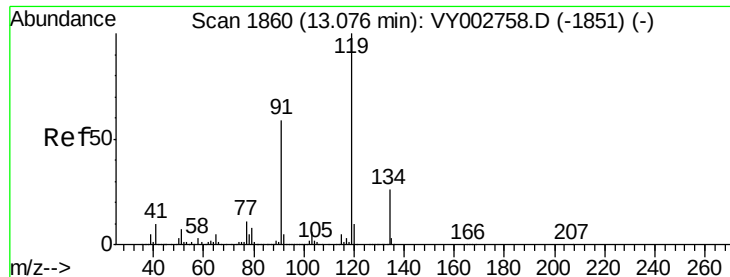
126 31.0 18.5 55.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 2.278 ug/l

RT: 13.07 min Scan# 1859

Delta R.T. -0.01 min

Lab File: VY002806.D

Acq: 01 Jun 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

EO-02-052920

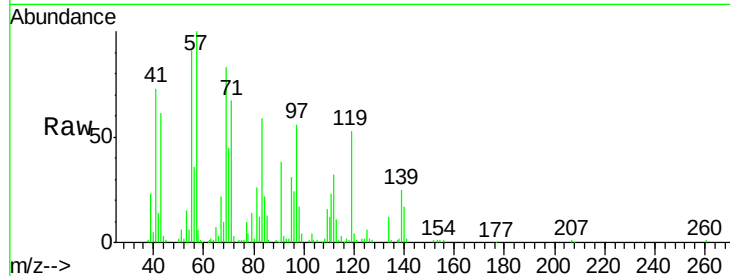
Tot Ion:119 Resp: 15162

Ion Ratio Lower Upper

119 100

91 62.6 29.8 89.4

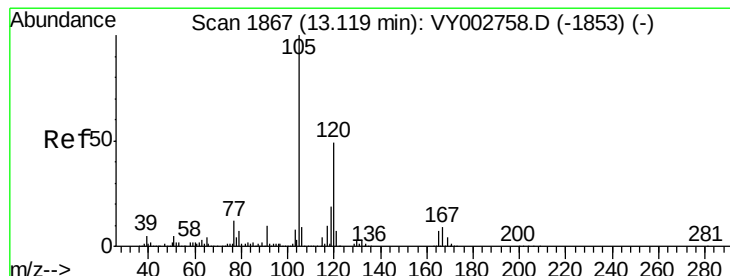
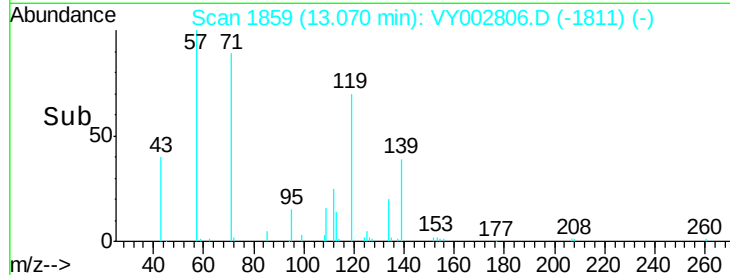
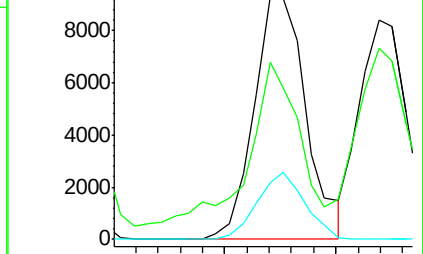
134 25.3 13.3 39.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 13.486 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY002806.D

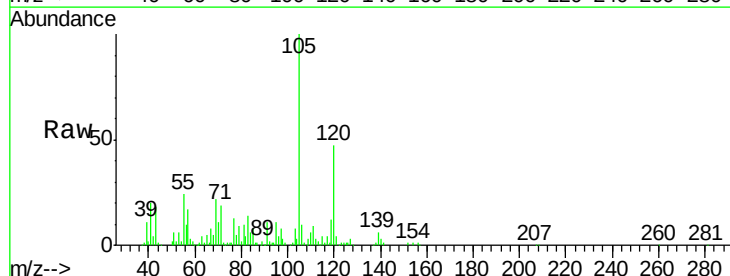
Acq: 01 Jun 2020 13:38

Tgt Ion:105 Resp: 101195

Ion Ratio Lower Upper

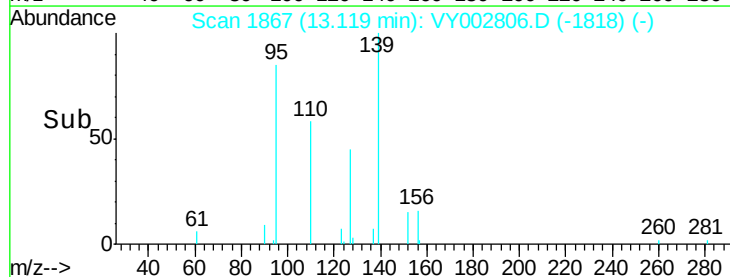
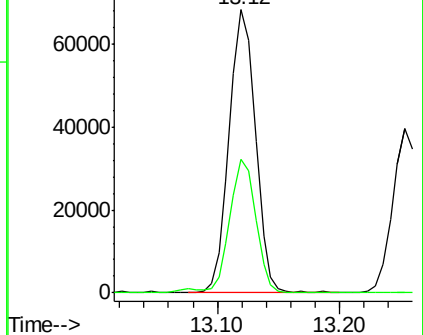
105 100

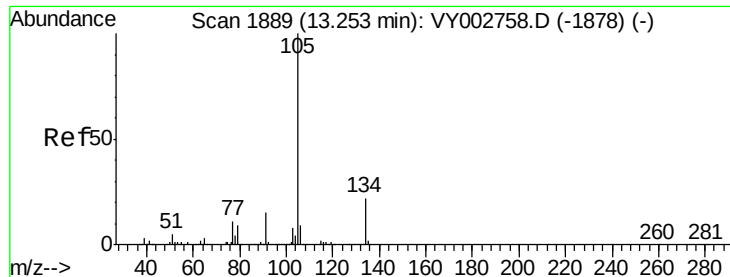
120 46.8 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 6.543 ug/l m

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY002806.D

Acq: 01 Jun 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

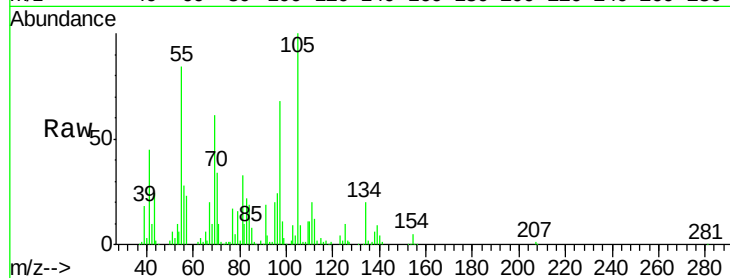
EO-02-052920

Tot Ion:105 Resp: 59551

Ion Ratio Lower Upper

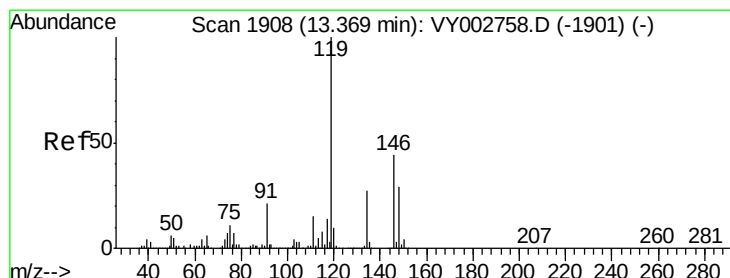
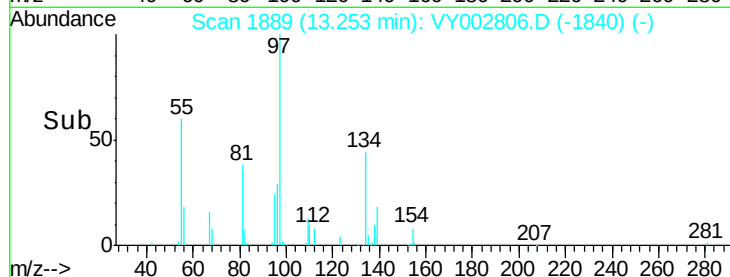
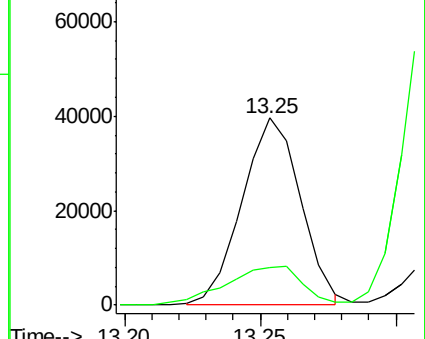
105 100

134 0.0 10.8 32.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 15.463 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY002806.D

Acq: 01 Jun 2020 13:38

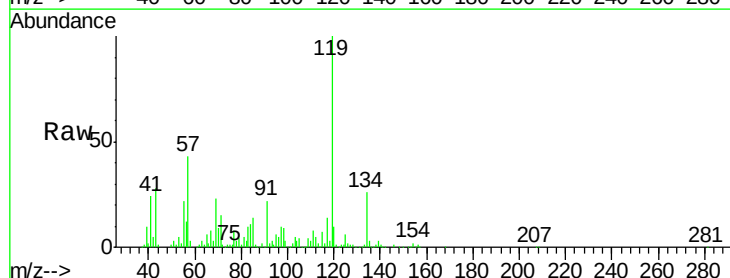
Tgt Ion:119 Resp: 130963

Ion Ratio Lower Upper

119 100

134 26.6 13.7 41.0

91 21.8 10.8 32.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

