

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050820\
 Data File : VY002646.D
 Acq On : 08 May 2020 16:50
 Operator : SY/MD
 Sample : L2564-02
 Misc : 4.87G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EW-1

Quant Time: May 11 02:39:10 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	7.82	168	354981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	548577	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	463004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	194041	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	148862	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
35) Dibromofluoromethane	7.74	113	162581	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
50) Toluene-d8	10.19	98	641196	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
62) 4-Bromofluorobenzene	12.49	95	210205	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	

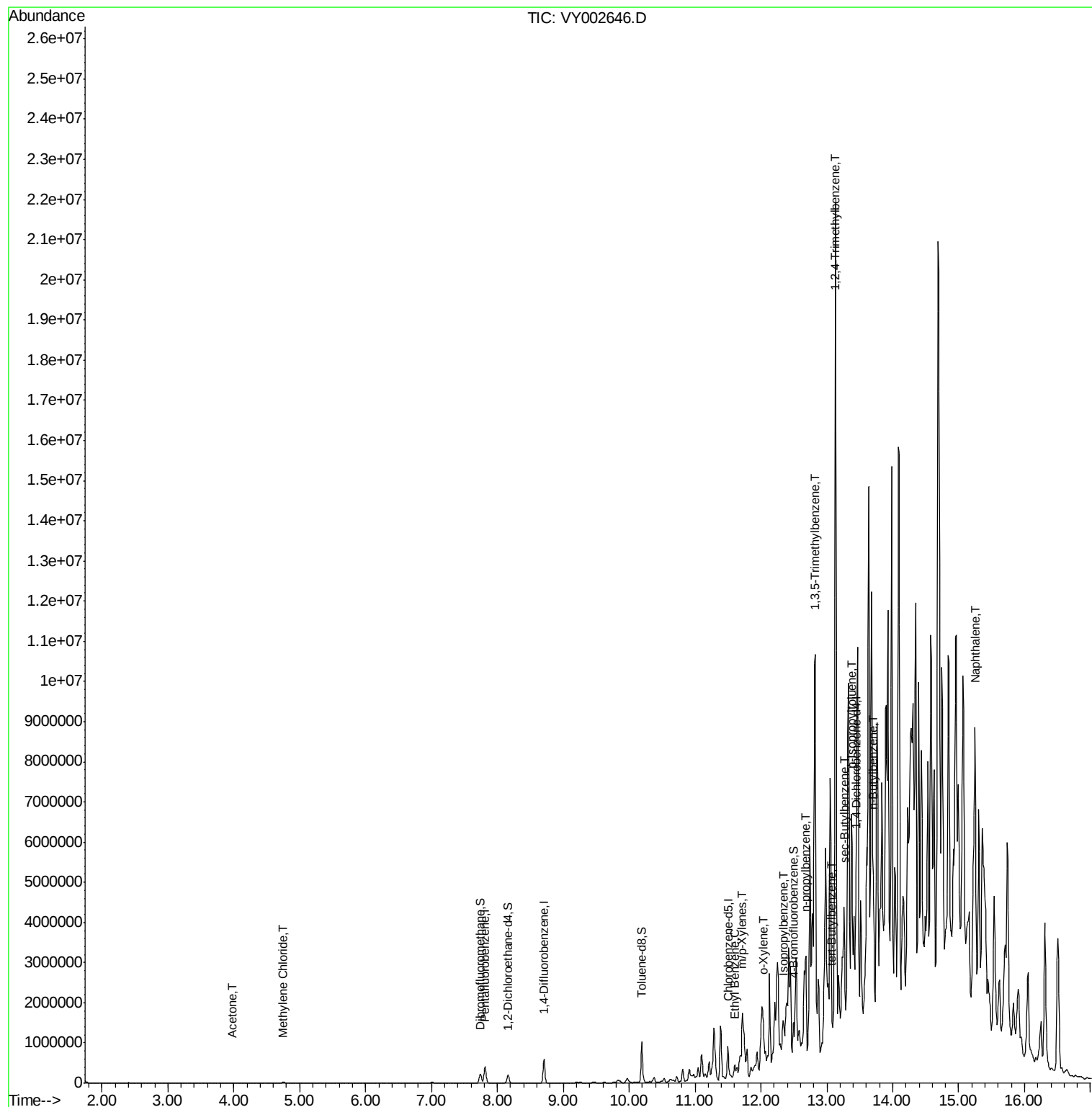
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.97	43	15247	24.752	ug/l	92
20) Methylene Chloride	4.75	84	13783	4.001	ug/l	97
67) Ethyl Benzene	11.60	91	166102	10.743	ug/l	100
68) m/p-Xylenes	11.72	106	92250	15.421	ug/l	96
69) o-Xylene	12.04	106	233907	41.760	ug/l	99
73) Isopropylbenzene	12.34	105	493727	39.260	ug/l	99
78) n-propylbenzene	12.68	91	1795970	123.063	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	1942071	186.302	ug/l	97
83) tert-Butylbenzene	13.08	119	62862	6.877	ug/l	89
84) 1,2,4-Trimethylbenzene	13.13	105	10563873	1016.833	ug/l	94
85) sec-Butylbenzene	13.27	105	1555440	122.637	ug/l	86
86) p-Isopropyltoluene	13.38	119	1060085	89.202	ug/l	99
89) n-Butylbenzene	13.70	91	1660889	153.521	ug/l #	77
95) Naphthalene	15.25	128	5311299	755.773	ug/l	99

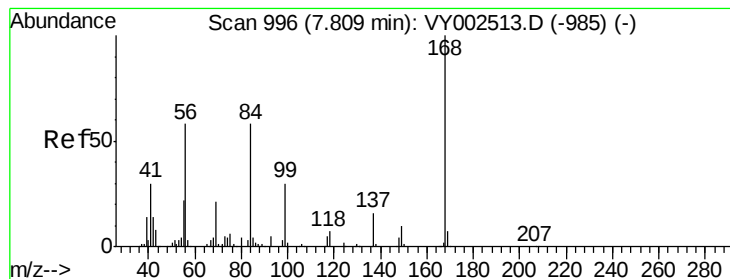
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002646.D

Acq: 08 May 2020 16:50

Instrument :

MSVOA_Y

ClientSampleId :

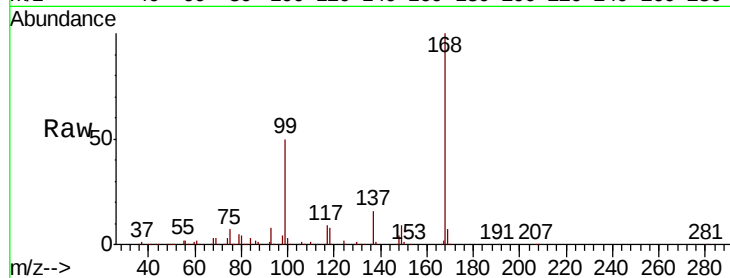
EW-1

Tot Ion:168 Resp: 354981

Ion Ratio Lower Upper

168 100

99 50.5 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.82

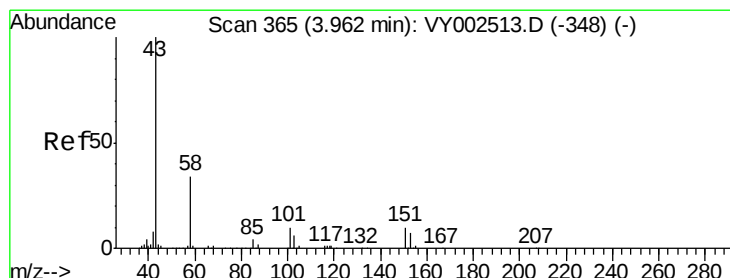
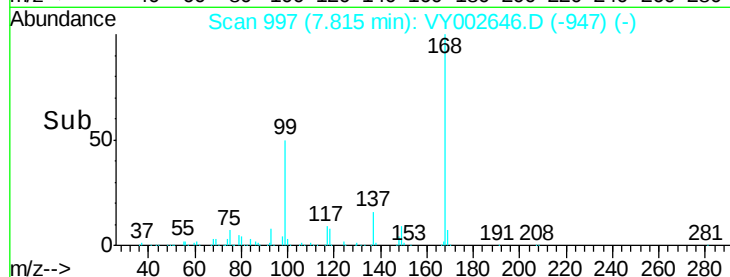
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 24.752 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002646.D

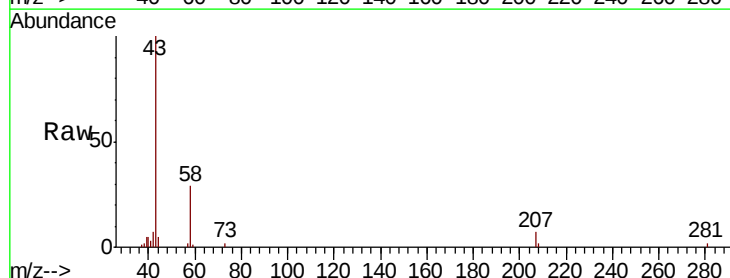
Acq: 08 May 2020 16:50

Tgt Ion: 43 Resp: 15247

Ion Ratio Lower Upper

43 100

58 29.3 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-348) (-)

Ion 58.00 (57.70 to 58.70): VY002513.D (-348) (-)

3.97

6000

5000

4000

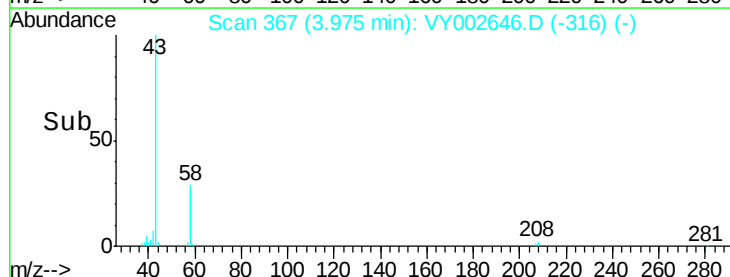
3000

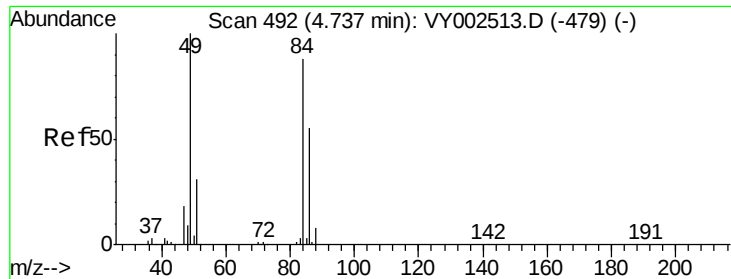
2000

1000

0

Time-->

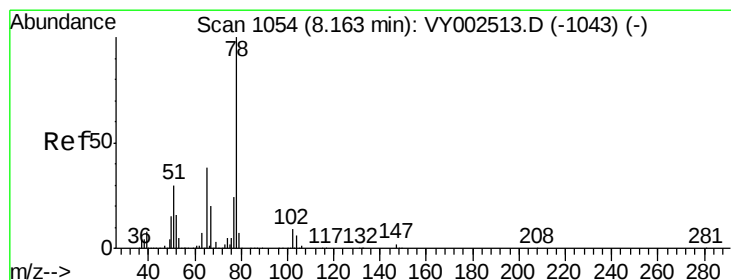
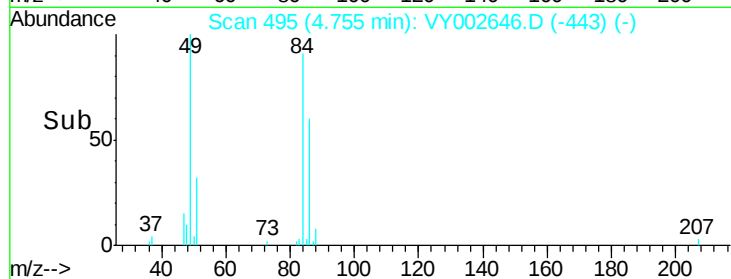
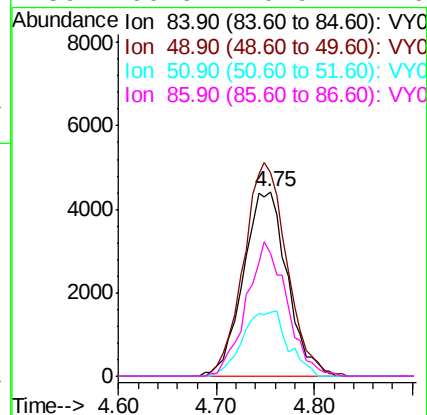
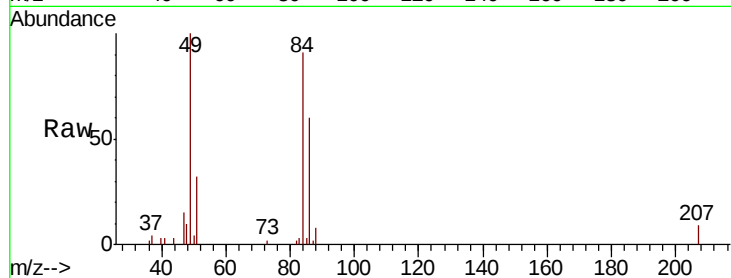




#20
Methylene Chloride
Concen: 4.001 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.02 min
Lab File: VY002646.D
Acq: 08 May 2020 16:50

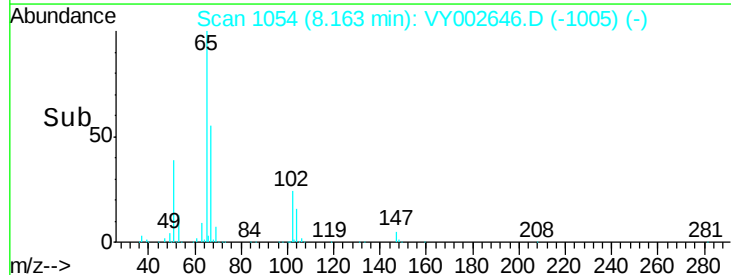
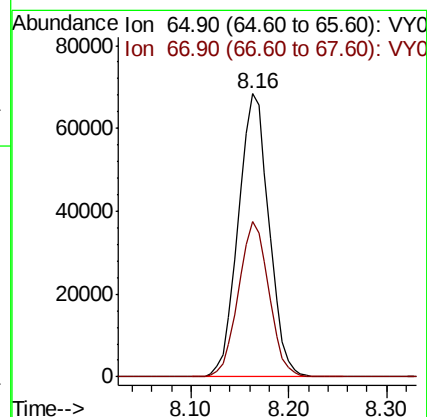
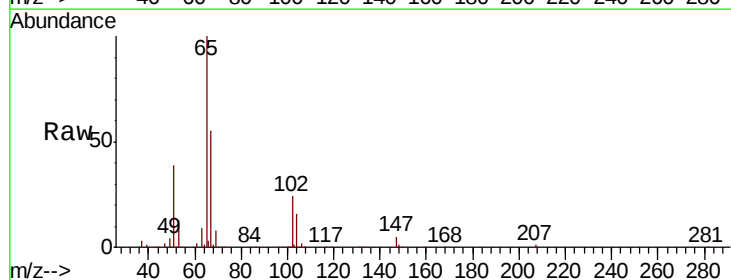
Instrument :
MSVOA_Y
ClientSampleId :
EW-1

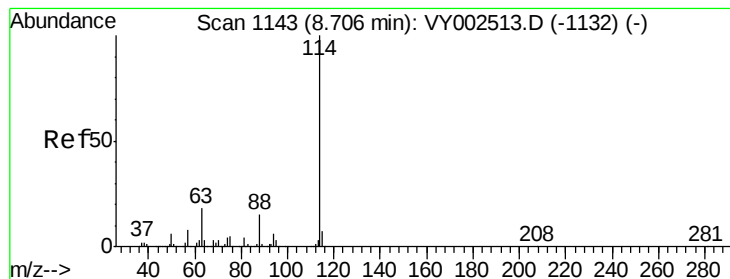
Tot Ion: 84 Resp: 13783
Ion Ratio Lower Upper
84 100
49 110.3 90.5 135.7
51 34.8 28.3 42.5
86 66.6 49.9 74.9



#33
1,2-Dichloroethane-d4
Concen: 49.874 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY002646.D
Acq: 08 May 2020 16:50

Tgt Ion: 65 Resp: 148862
Ion Ratio Lower Upper
65 100
67 54.4 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: VY002646.D

Acq: 08 May 2020 16:50

Instrument :

MSVOA_Y

ClientSampleId :

EW-1

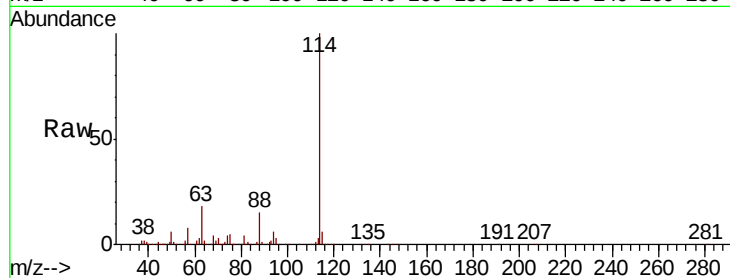
Tot Ion:114 Resp: 548577

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.4

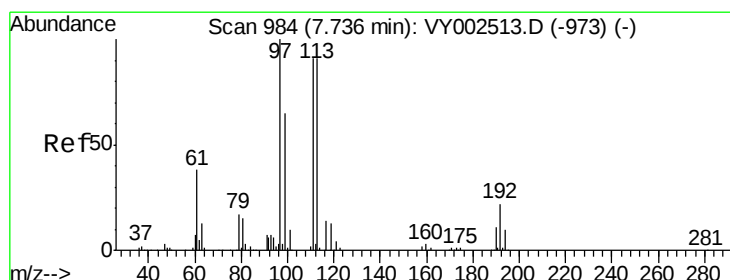
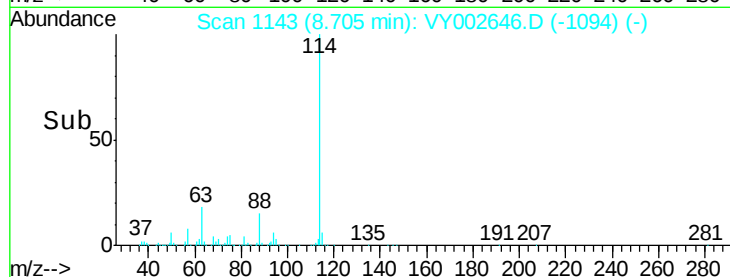
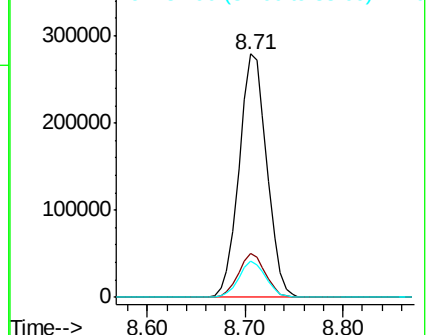
88 14.9 0.0 29.6



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: 51.821 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002646.D

Acq: 08 May 2020 16:50

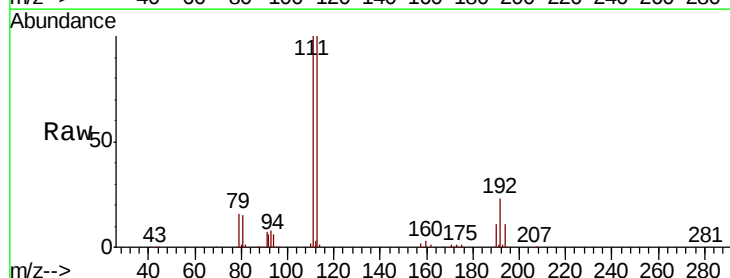
Tgt Ion:113 Resp: 162581

Ion Ratio Lower Upper

113 100

111 101.5 81.8 122.6

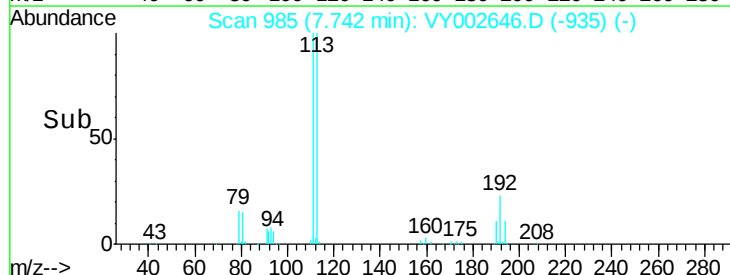
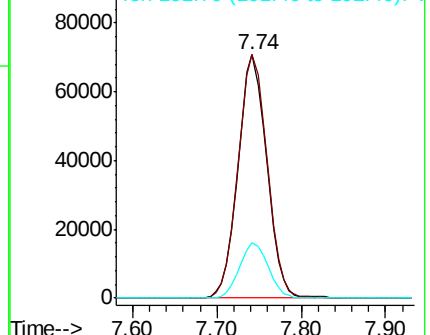
192 22.8 18.2 27.4

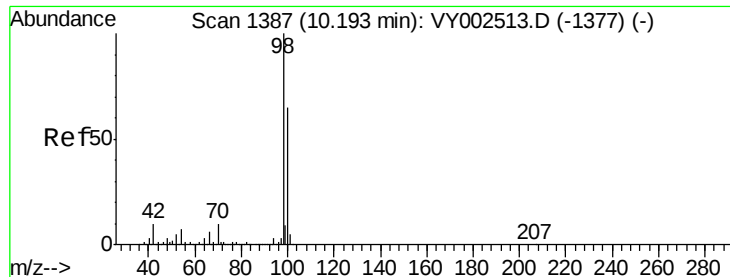


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 52.335 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VY002646.D

Acq: 08 May 2020 16:50

Instrument :

MSVOA_Y

ClientSampleId :

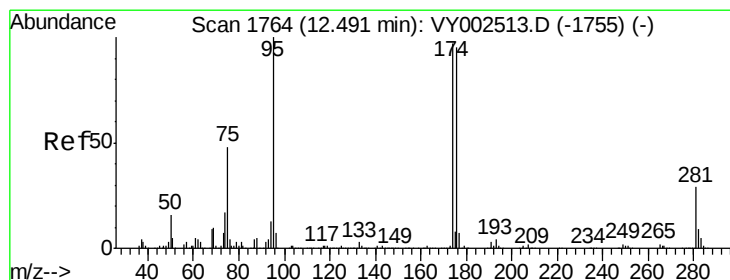
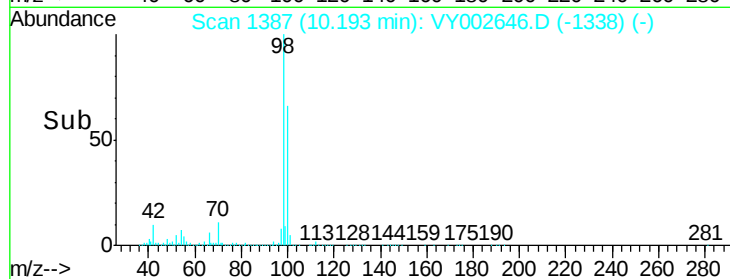
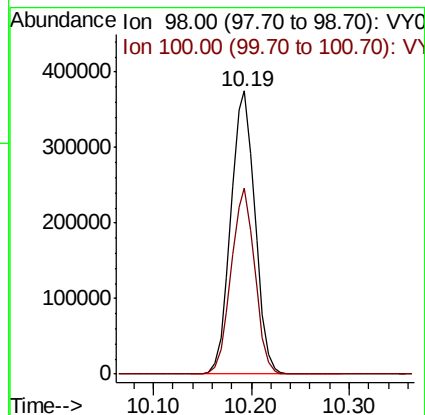
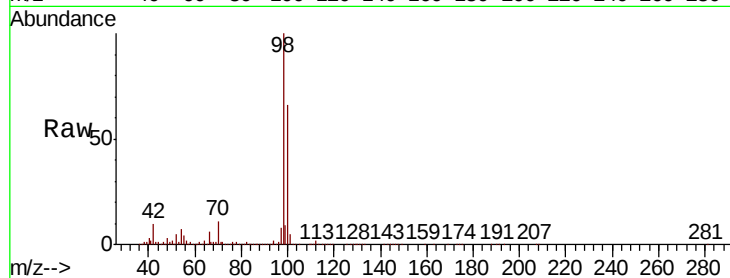
EW-1

Tot Ion: 98 Resp: 641196

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 50.563 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VY002646.D

Acq: 08 May 2020 16:50

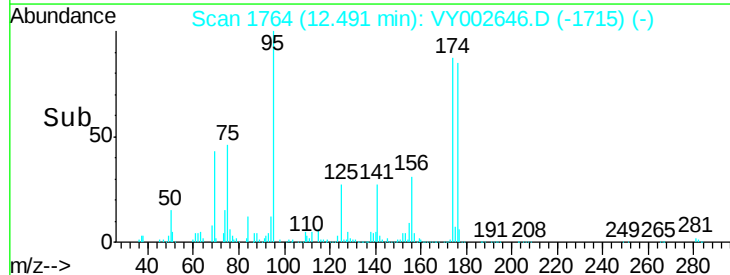
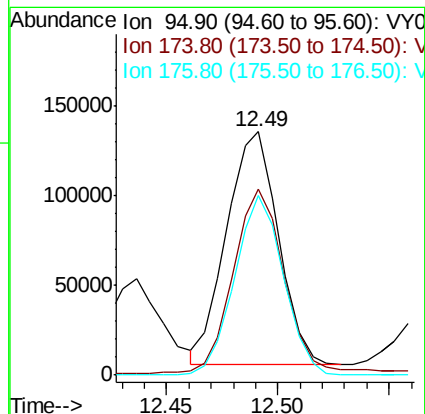
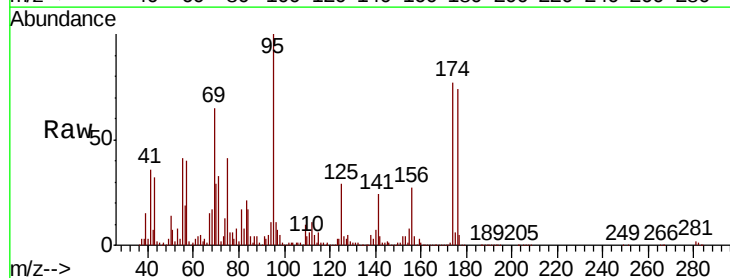
Tgt Ion: 95 Resp: 210205

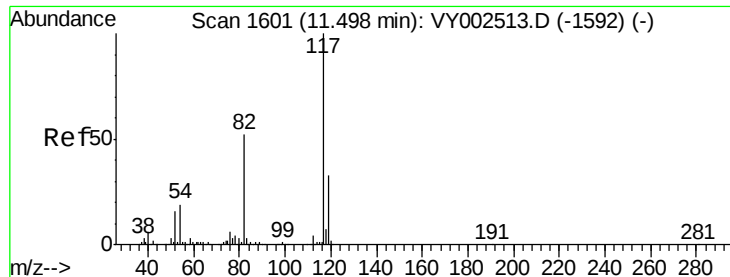
Ion Ratio Lower Upper

95 100

174 82.9 0.0 188.8

176 72.7 0.0 183.2

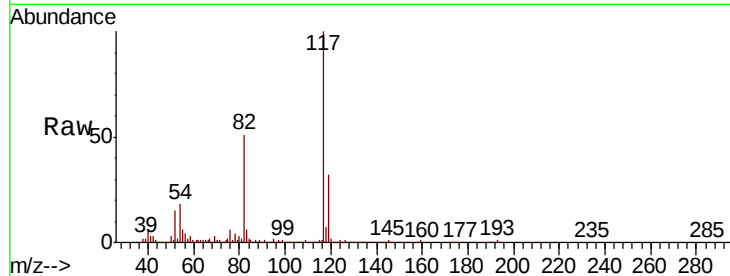




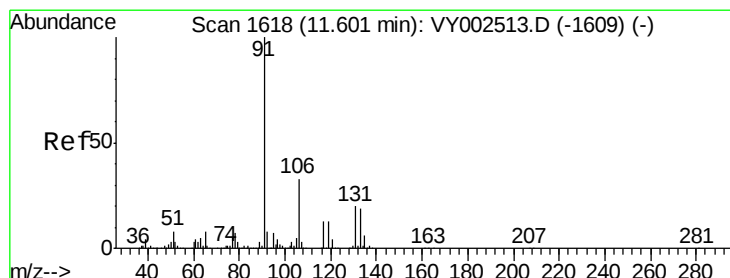
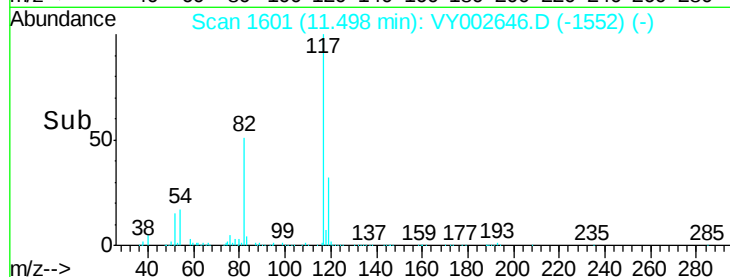
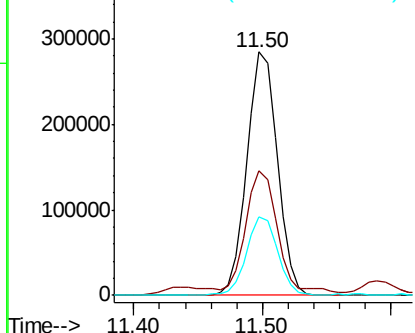
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002646.D
Acq: 08 May 2020 16:50

Instrument :
MSVOA_Y
ClientSampleId :
EW-1

Tot Ion:117 Resp: 463004
Ion Ratio Lower Upper
117 100
82 50.0 41.3 61.9
119 31.7 26.0 39.0

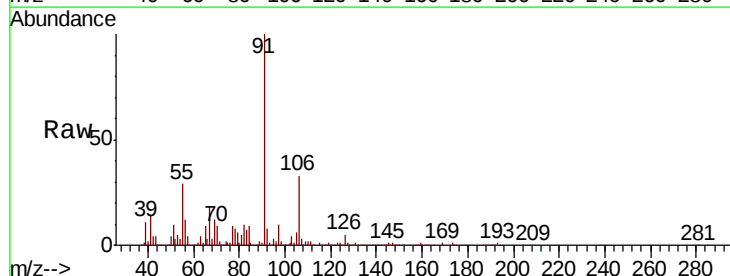


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

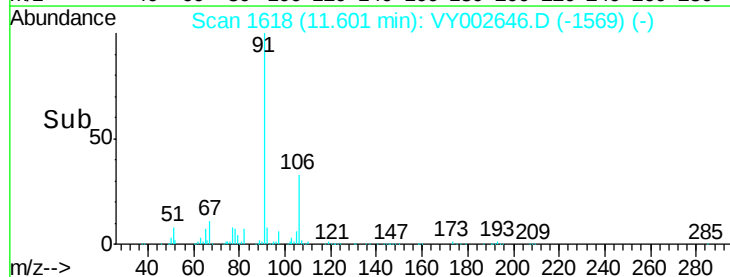
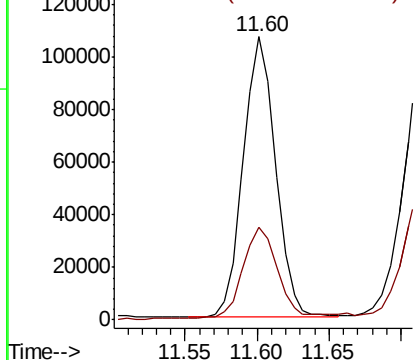


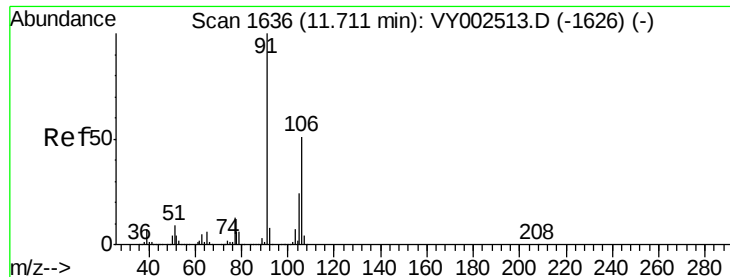
#67
Ethyl Benzene
Concen: 10.743 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002646.D
Acq: 08 May 2020 16:50

Tgt Ion: 91 Resp: 166102
Ion Ratio Lower Upper
91 100
106 32.6 26.1 39.1



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

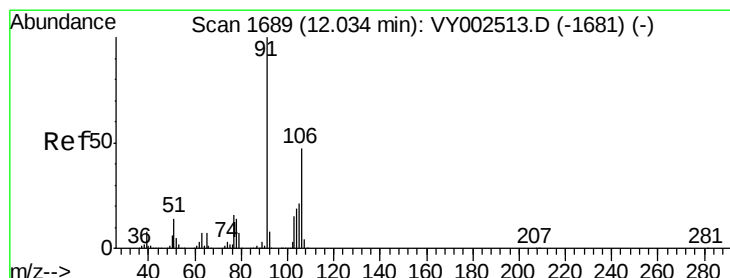
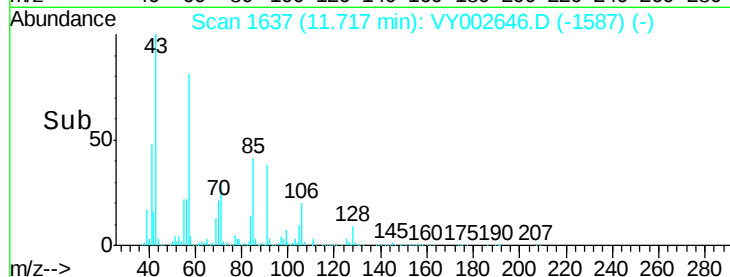
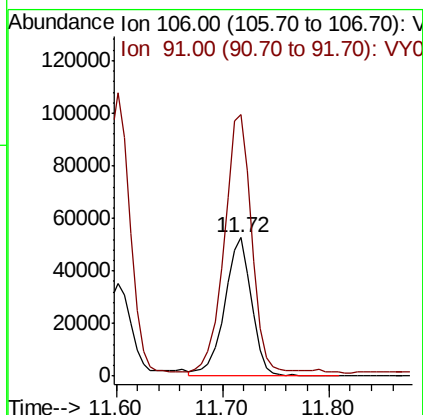
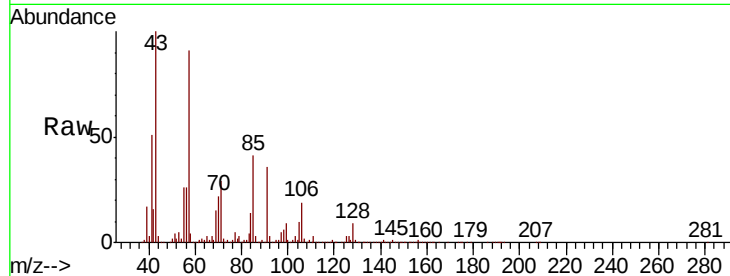




#68
m/p-Xylenes
Concen: 15.421 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY002646.D
Acq: 08 May 2020 16:50

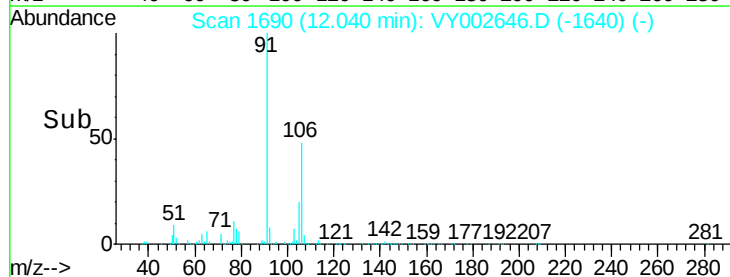
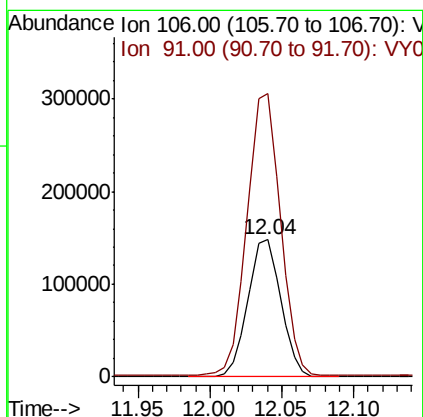
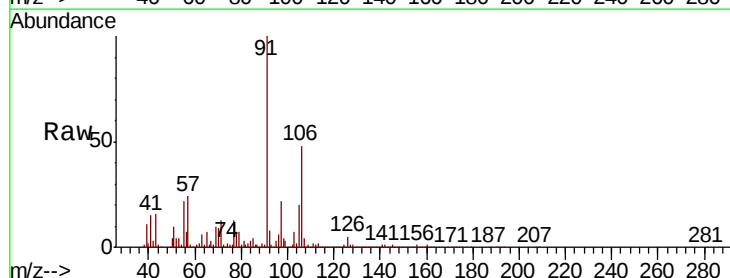
Instrument :
MSVOA_Y
ClientSampled :
EW-1

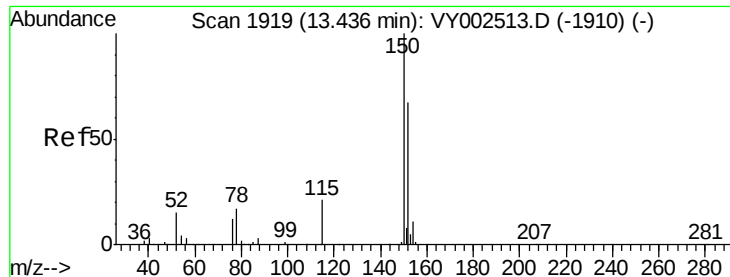
Tot Ion:106 Resp: 92250
Ion Ratio Lower Upper
106 100
91 188.7 155.2 232.8



#69
o-Xylene
Concen: 41.760 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY002646.D
Acq: 08 May 2020 16:50

Tgt Ion:106 Resp: 233907
Ion Ratio Lower Upper
106 100
91 208.3 103.8 311.3



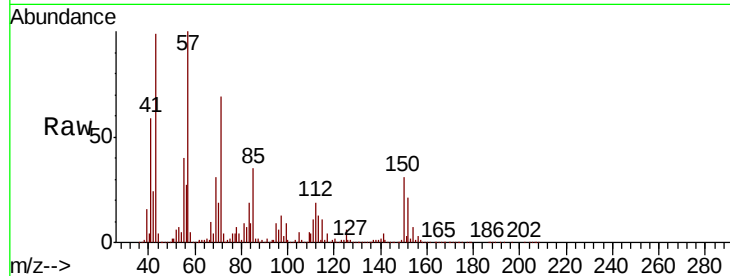


#72

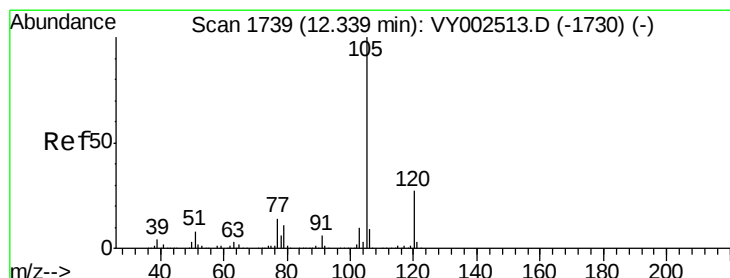
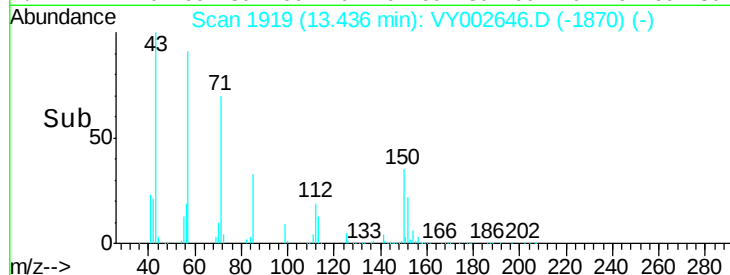
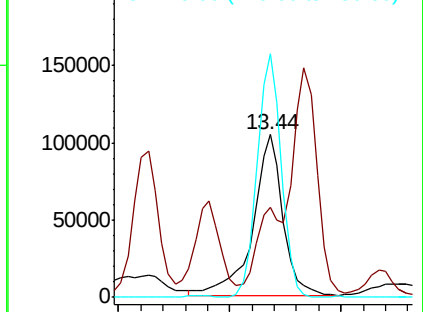
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY002646.D
Acq: 08 May 2020 16:50

Instrument :
MSVOA_Y
ClientSampled :
EW-1

Tot Ion	Ratio	Lower	Upper
152	100		
115	40.4	27.5	82.4
150	122.3	0.0	346.4



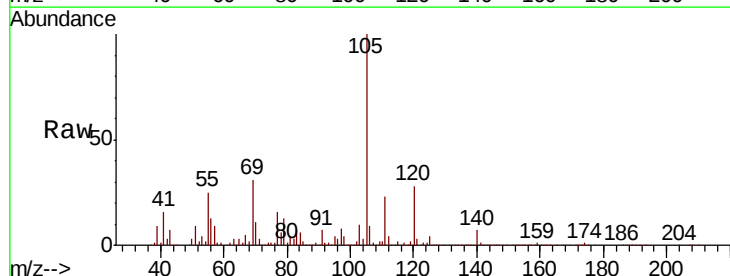
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



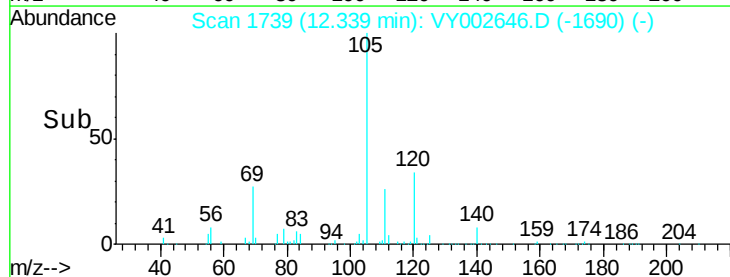
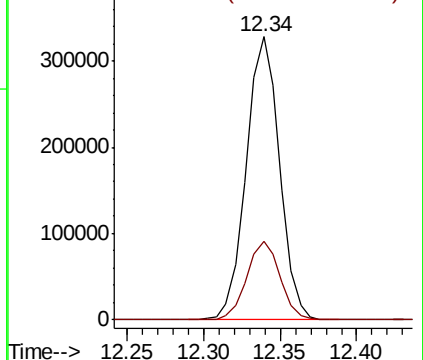
#73

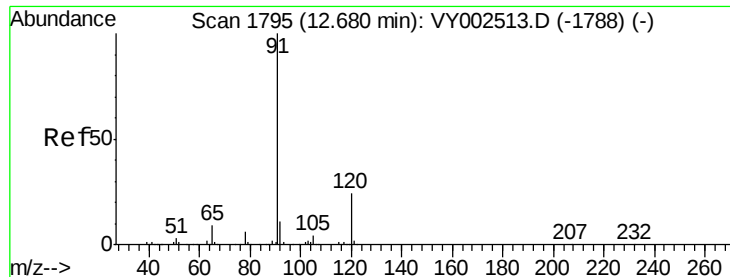
Isopropylbenzene
Concen: 39.260 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VY002646.D
Acq: 08 May 2020 16:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.8	13.8	41.3



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





#78

n-propylbenzene

Concen: 123.063 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VY002646.D

Acq: 08 May 2020 16:50

Instrument :

MSVOA_Y

ClientSampled :

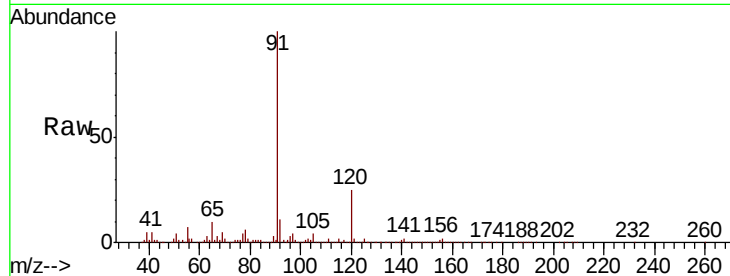
EW-1

Tot Ion: 91 Resp: 1795970

Ion Ratio Lower Upper

91 100

120 24.4 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VY002646.D (-1746) (-)

Ion 120.00 (119.70 to 120.70): VY002646.D (-1746) (-)

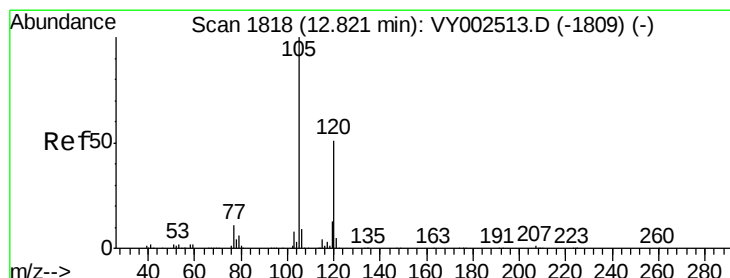
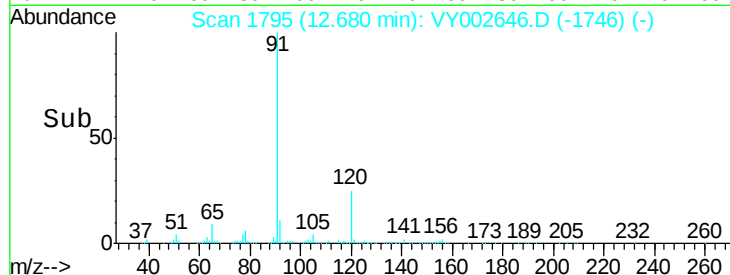
12.68

1000000

500000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 186.302 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY002646.D

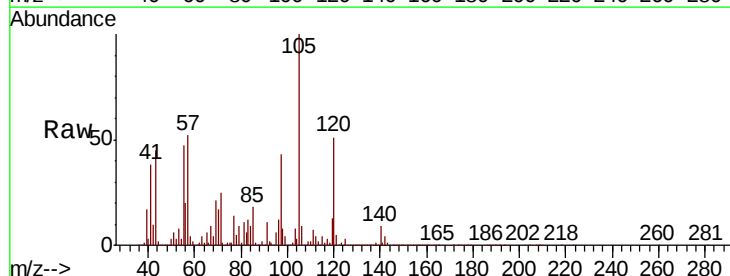
Acq: 08 May 2020 16:50

Tgt Ion: 105 Resp: 1942071

Ion Ratio Lower Upper

105 100

120 52.5 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VY002646.D (-1769) (-)

Ion 120.00 (119.70 to 120.70): VY002646.D (-1769) (-)

12.82

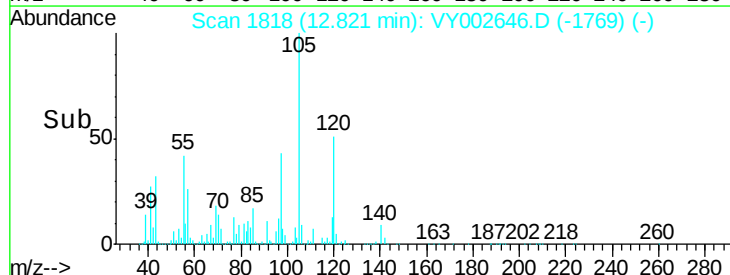
1500000

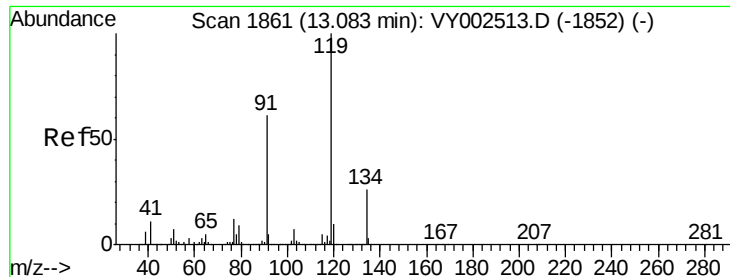
1000000

500000

0

Time-->





#83

tert-Butylbenzene

Concen: 6.877 ug/l

RT: 13.08 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VY002646.D

Acq: 08 May 2020 16:50

Instrument :

MSVOA_Y

ClientSampled :

EW-1

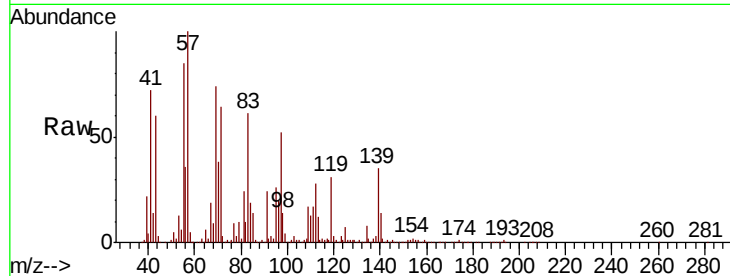
Tot Ion:119 Resp: 62862

Ion Ratio Lower Upper

119 100

91 72.3 30.6 91.6

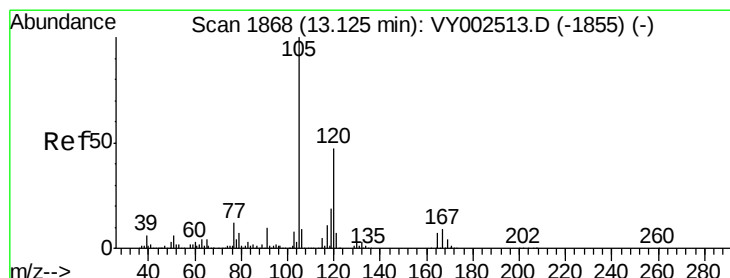
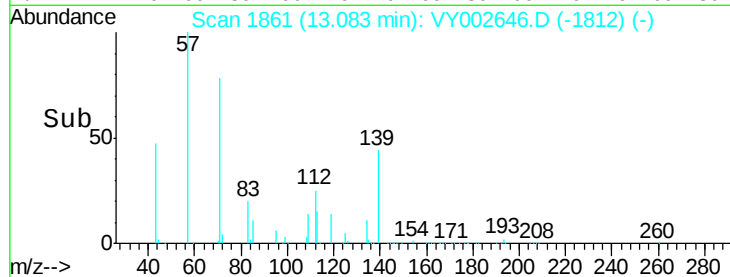
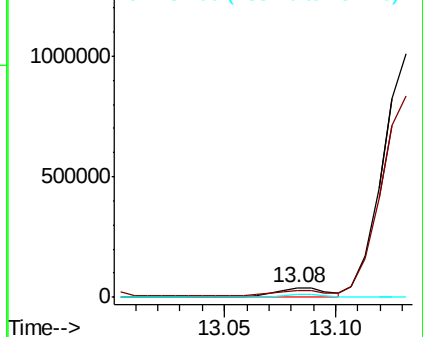
134 25.6 13.5 40.4



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: 1016.833 ug/l

RT: 13.13 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VY002646.D

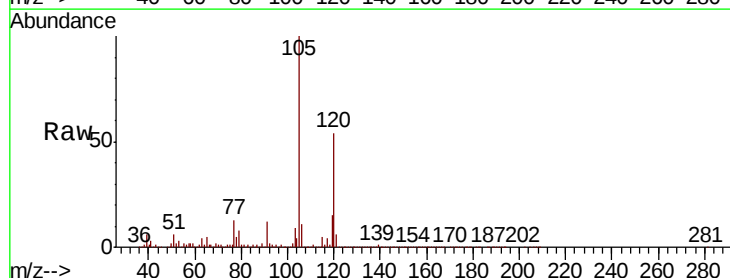
Acq: 08 May 2020 16:50

Tgt Ion:105 Resp:10563873

Ion Ratio Lower Upper

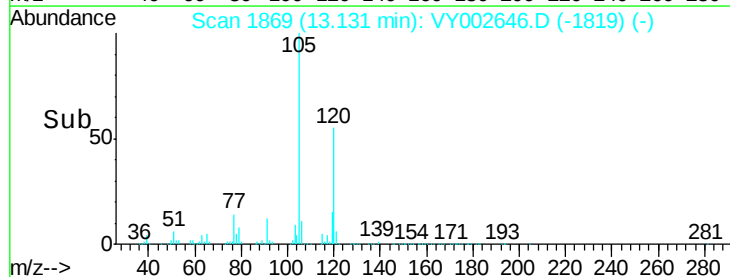
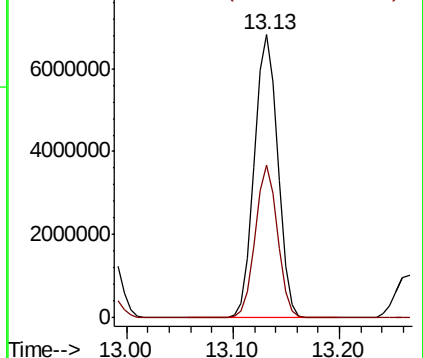
105 100

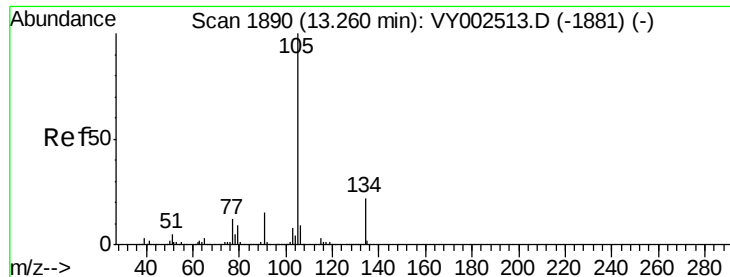
120 51.2 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 122.637 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY002646.D

Acq: 08 May 2020 16:50

Instrument :

MSVOA_Y

ClientSampleId :

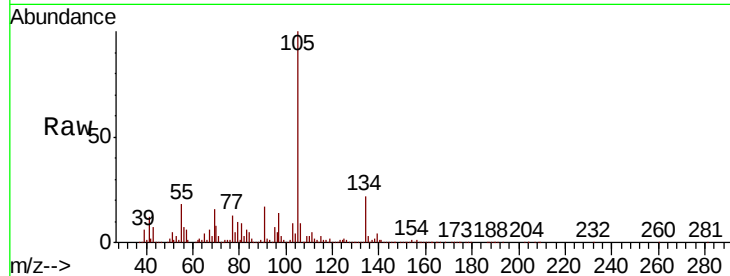
EW-1

Tot Ion:105 Resp: 1555440

Ion Ratio Lower Upper

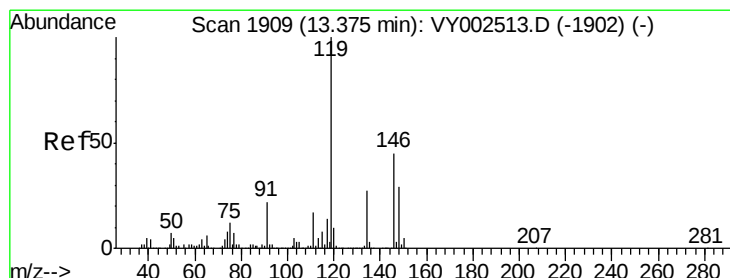
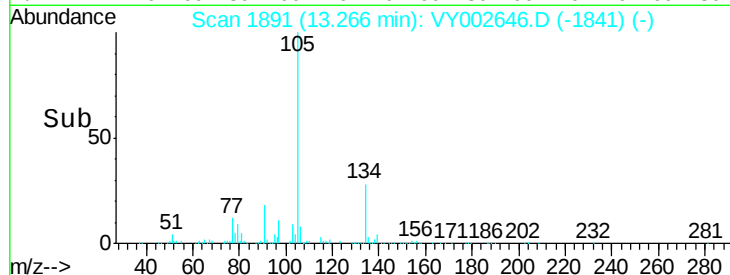
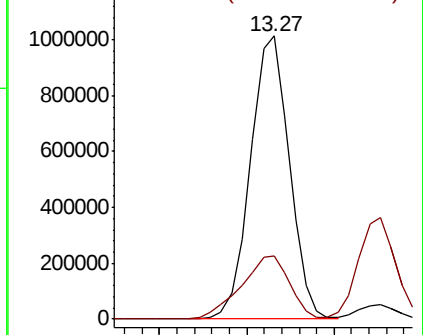
105 100

134 28.1 10.8 32.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 89.202 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY002646.D

Acq: 08 May 2020 16:50

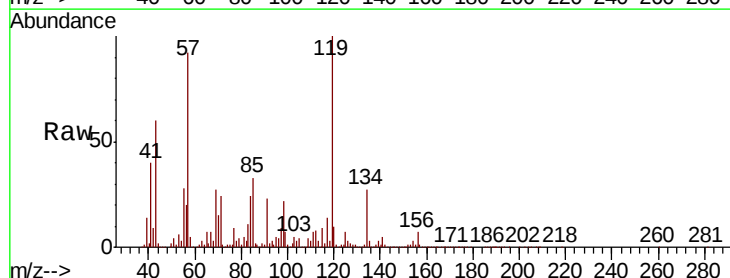
Tgt Ion:119 Resp: 1060085

Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.5

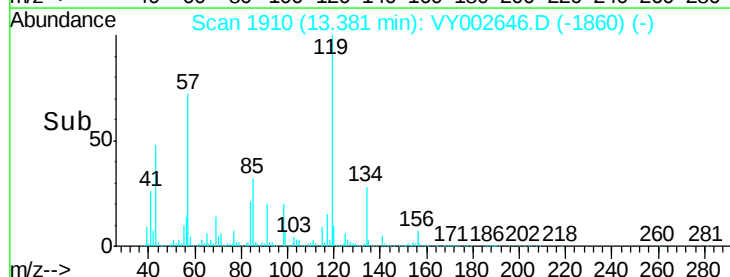
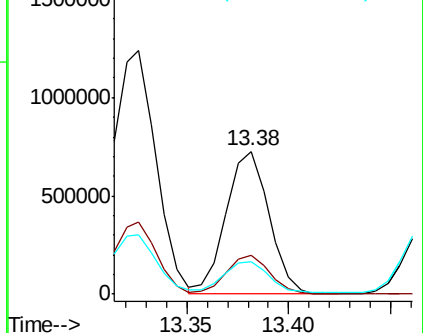
91 22.9 10.9 32.9

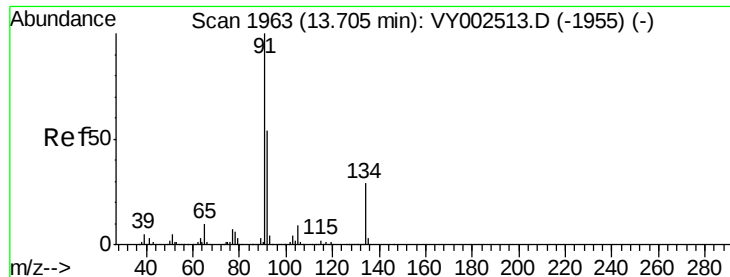


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#89

n-Butylbenzene

Concen: 153.521 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VY002646.D

Acq: 08 May 2020 16:50

Instrument :

MSVOA_Y

ClientSampleId :

EW-1

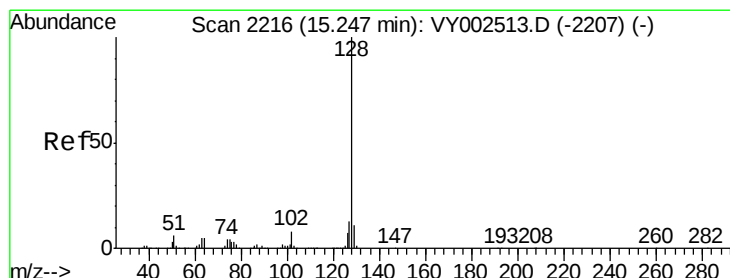
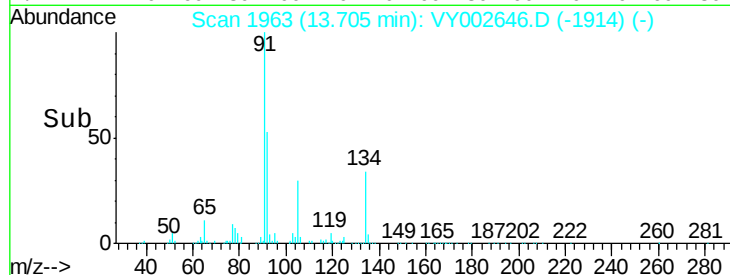
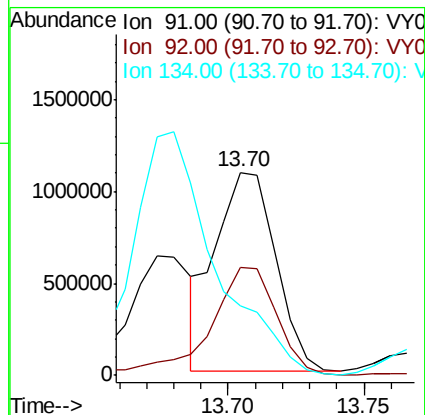
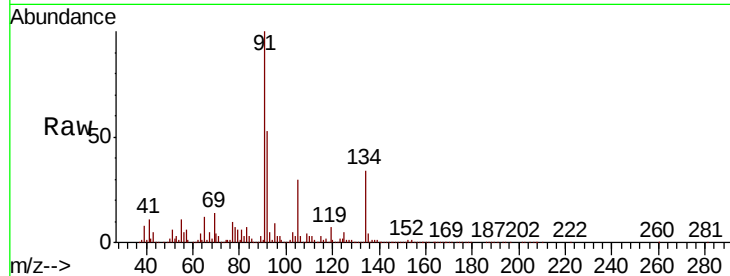
Tot Ion: 91 Resp: 1660889

Ion Ratio Lower Upper

91 100

92 58.6 27.1 81.3

134 0.0 14.4 43.0#



#95

Naphthalene

Concen: 755.773 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. -0.00 min

Lab File: VY002646.D

Acq: 08 May 2020 16:50

Tgt Ion: 128 Resp: 5311299

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

129 11.1 8.8 13.2

