

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001856.D
 Acq On : 04 Mar 2020 16:12
 Operator : SY/MD
 Sample : L1759-01
 Misc : 7.81G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-030320

Quant Time: Mar 05 04:43:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	151459	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	287406	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	260562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	106706	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	92967	57.50	ug/l	-0.01
Spiked Amount			Recovery	=	115.00%	
35) Dibromofluoromethane	7.74	113	84937	54.12	ug/l	-0.01
Spiked Amount			Recovery	=	108.24%	
50) Toluene-d8	10.19	98	350858	53.02	ug/l	0.00
Spiked Amount			Recovery	=	106.04%	
62) 4-Bromofluorobenzene	12.48	95	117019	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	

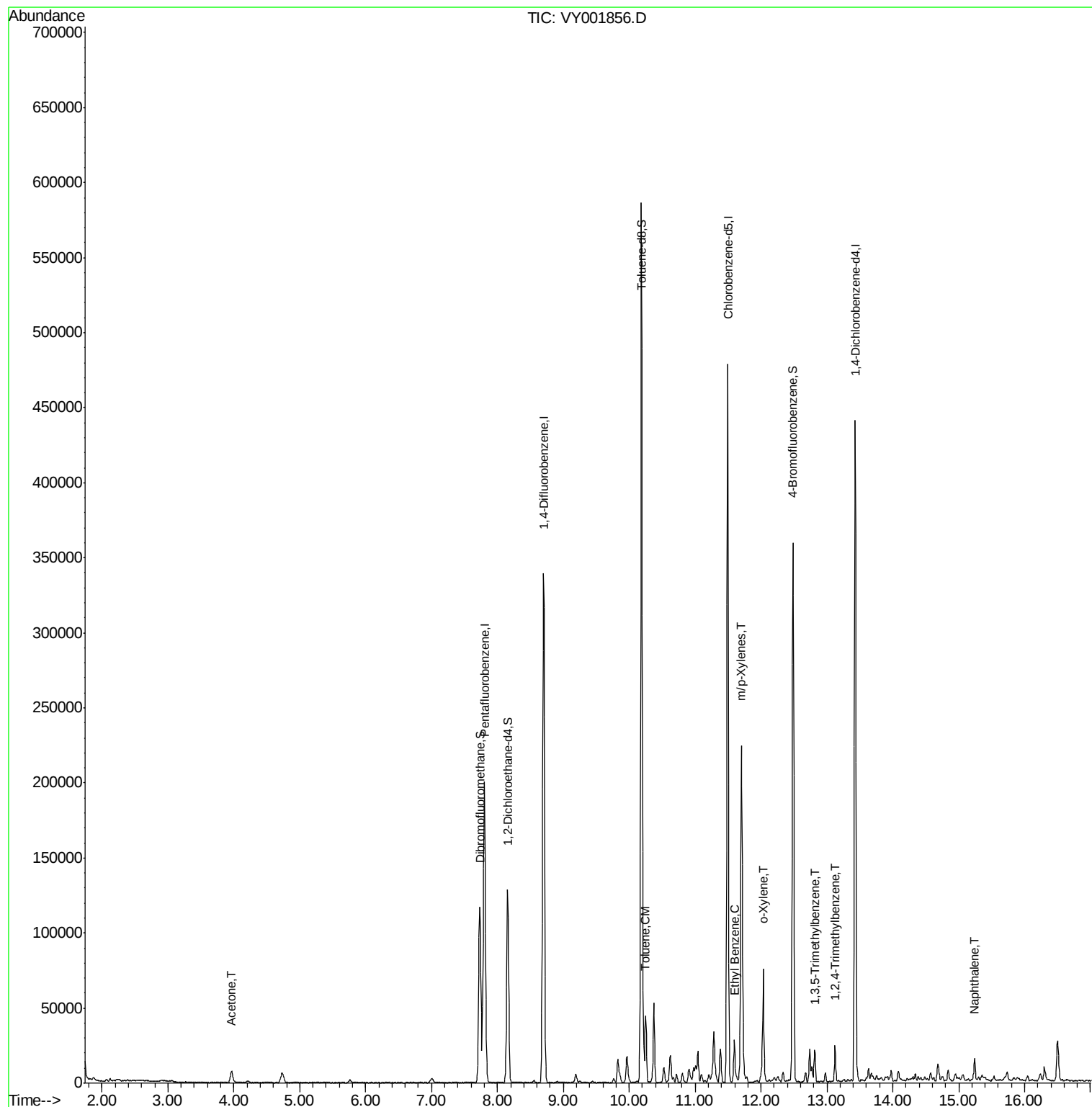
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	13546	28.763	ug/l	93
52) Toluene	10.25	92	18586	3.732	ug/l	95
67) Ethyl Benzene	11.60	91	18363	1.896	ug/l	95
68) m/p-Xylenes	11.70	106	60736	16.966	ug/l	97
69) o-Xylene	12.03	106	18698	5.542	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	8795	1.312	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	12479	1.875	ug/l	97
95) Naphthalene	15.24	128	10822	2.290	ug/l	97

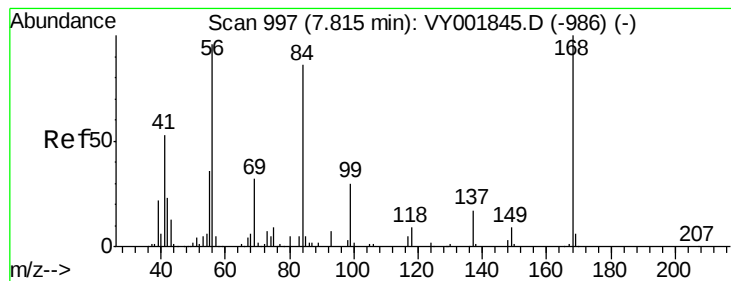
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001856.D

Acq: 04 Mar 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

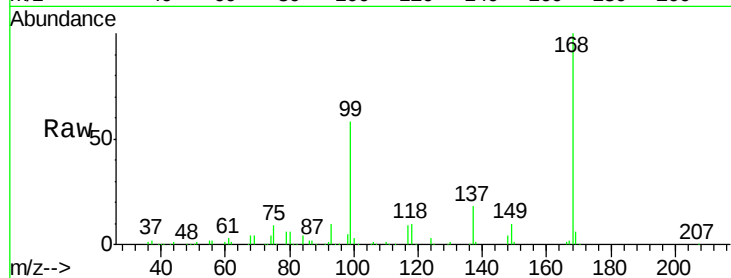
OR-02-030320

Tot Ion:168 Resp: 151459

Ion Ratio Lower Upper

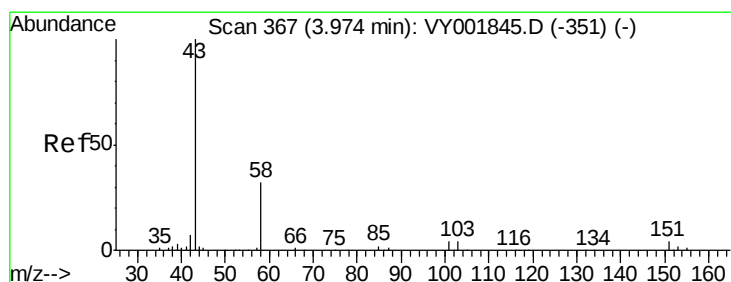
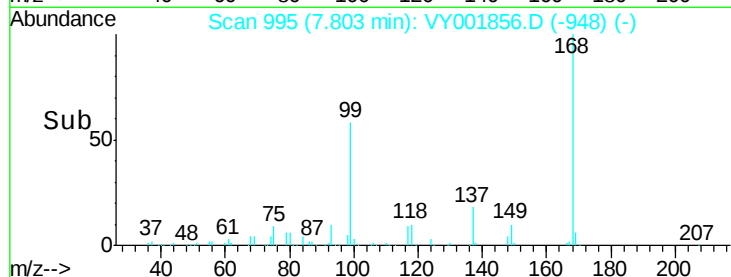
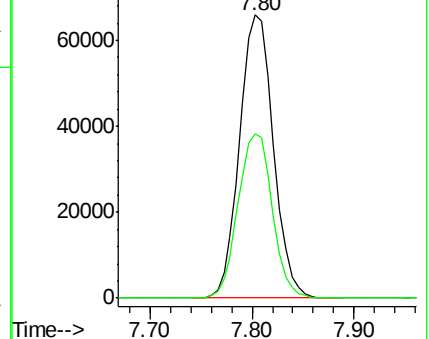
168 100

99 58.3 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)



#16

Acetone

Concen: 28.763 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY001856.D

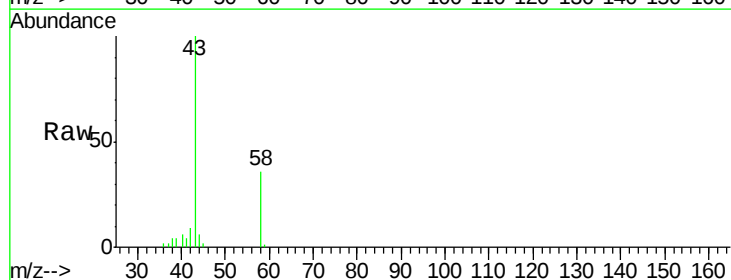
Acq: 04 Mar 2020 16:12

Tgt Ion: 43 Resp: 13546

Ion Ratio Lower Upper

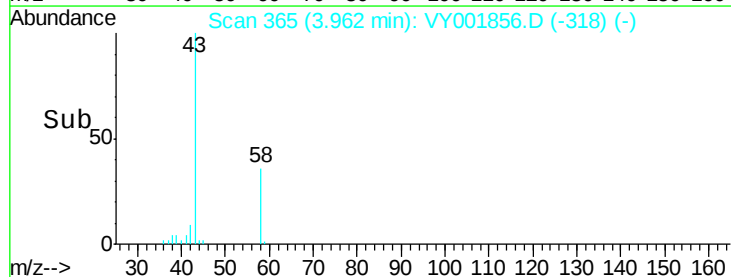
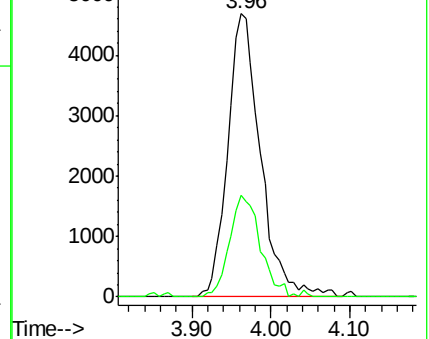
43 100

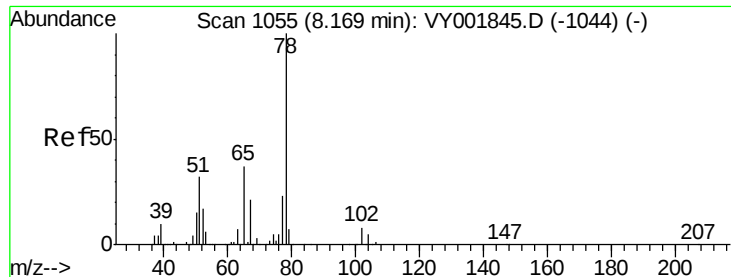
58 36.1 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY001845.D (-351) (-)





#33

1,2-Dichloroethane-d4

Concen: 57.496 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY001856.D

Acq: 04 Mar 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

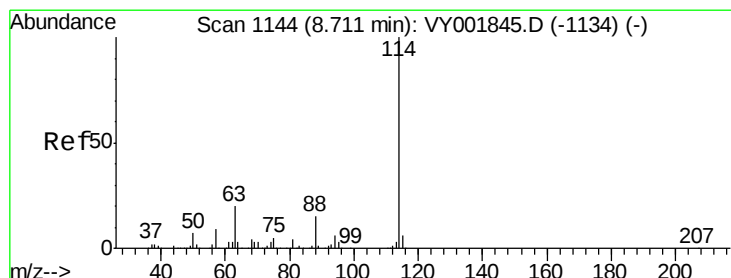
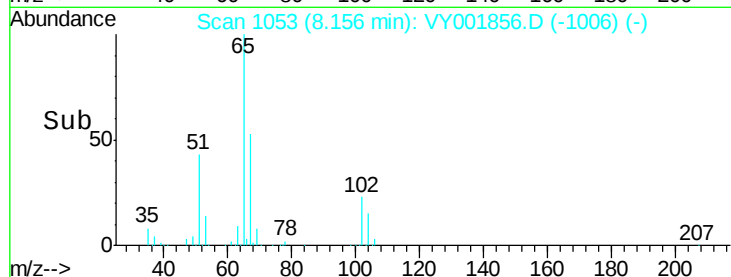
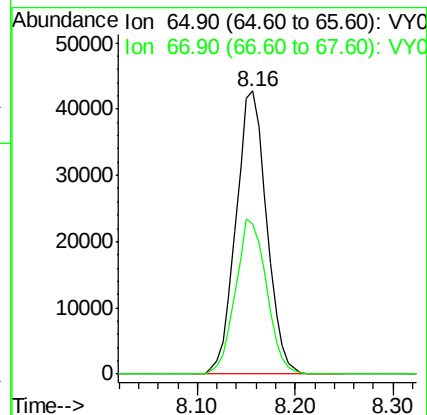
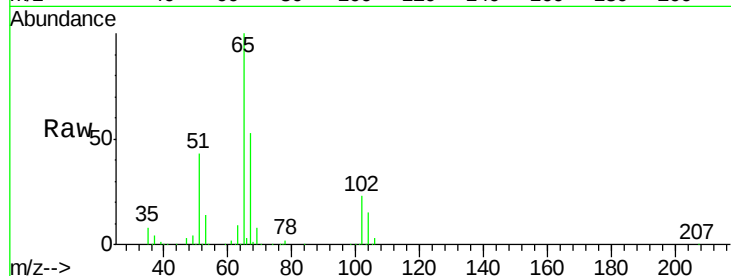
OR-02-030320

Tot Ion: 65 Resp: 92967

Ion Ratio Lower Upper

65 100

67 55.4 0.0 110.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY001856.D

Acq: 04 Mar 2020 16:12

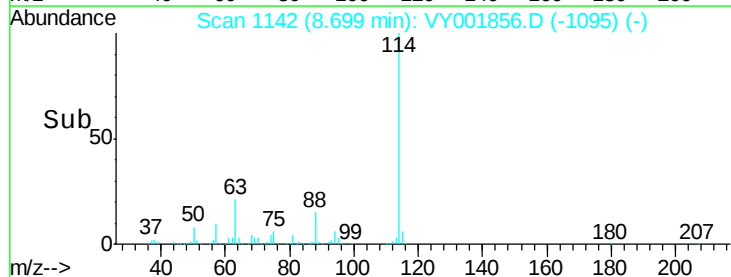
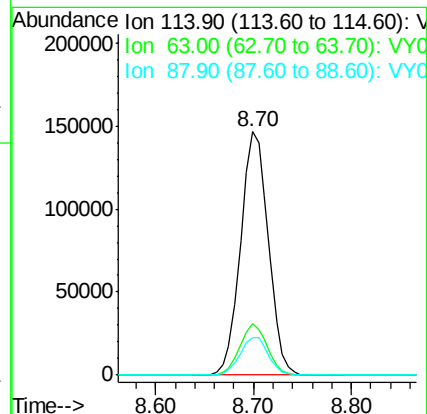
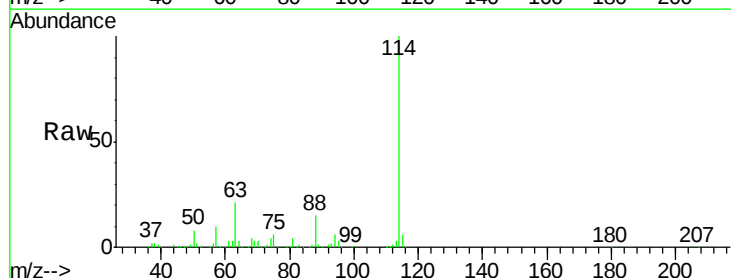
Tgt Ion: 114 Resp: 287406

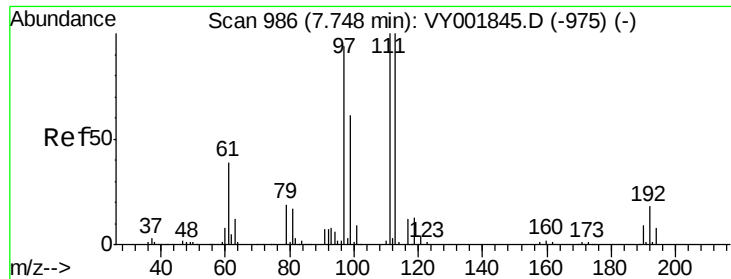
Ion Ratio Lower Upper

114 100

63 21.4 0.0 39.4

88 15.5 0.0 30.4





#35

Dibromofluoromethane

Concen: 54.122 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001856.D

Acq: 04 Mar 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-030320

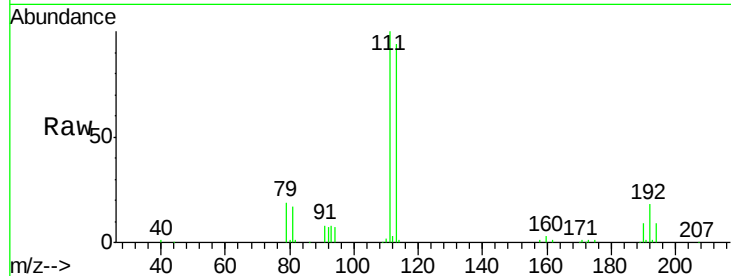
Tot Ion:113 Resp: 84937

Ion Ratio Lower Upper

113 100

111 102.1 81.8 122.8

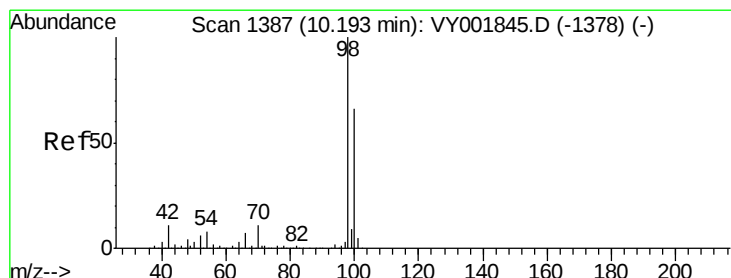
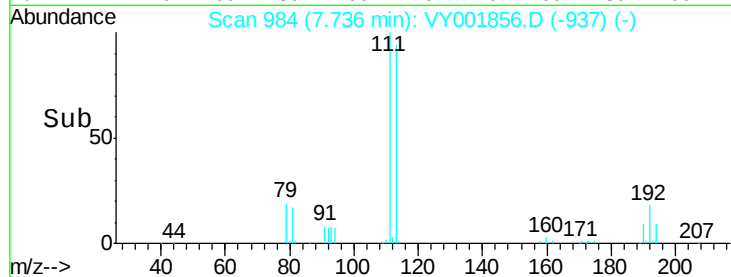
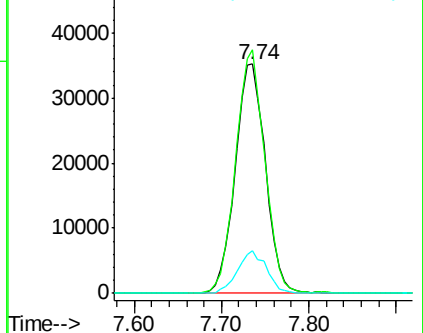
192 17.8 14.2 21.2



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: 53.018 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001856.D

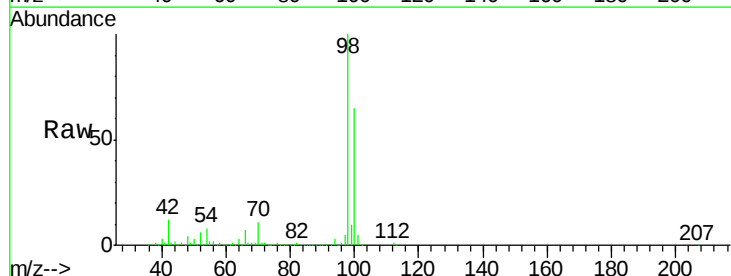
Acq: 04 Mar 2020 16:12

Tgt Ion: 98 Resp: 350858

Ion Ratio Lower Upper

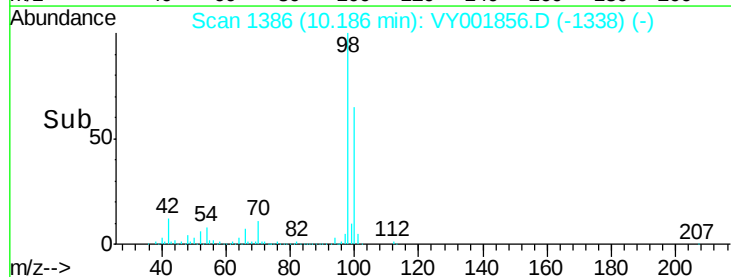
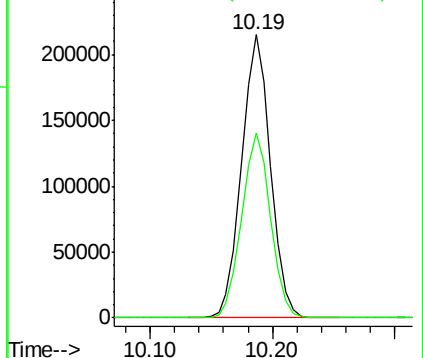
98 100

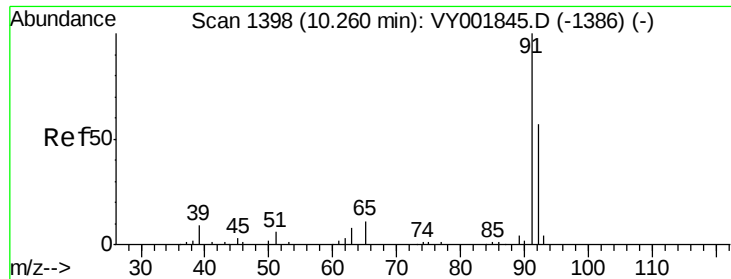
100 65.5 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#52

Toluene

Concen: 3.732 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY001856.D

Acq: 04 Mar 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

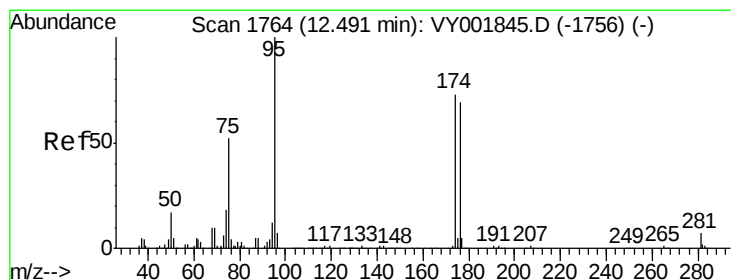
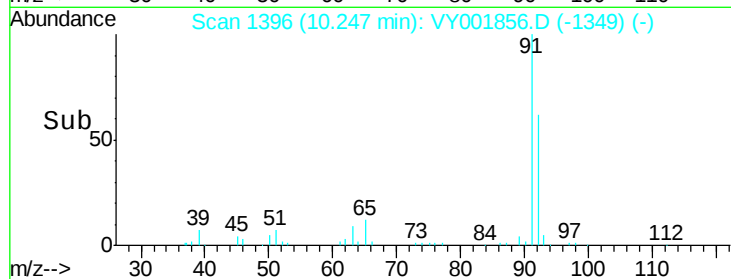
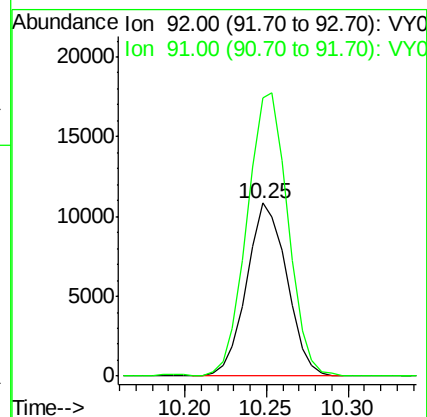
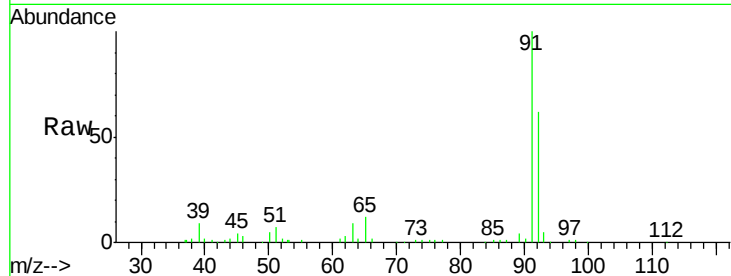
OR-02-030320

Tot Ion: 92 Resp: 18586

Ion Ratio Lower Upper

92 100

91 166.6 138.6 208.0



#62

4-Bromofluorobenzene

Concen: 50.854 ug/l

RT: 12.48 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001856.D

Acq: 04 Mar 2020 16:12

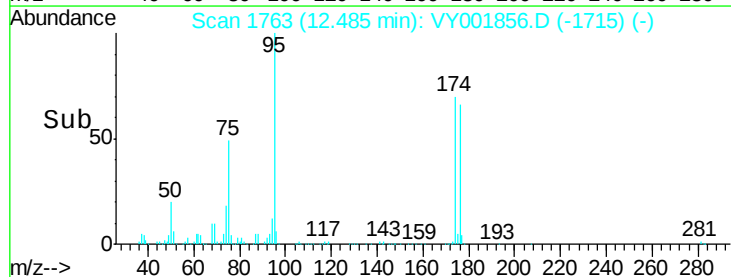
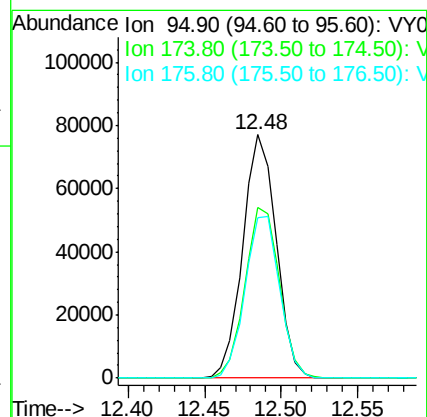
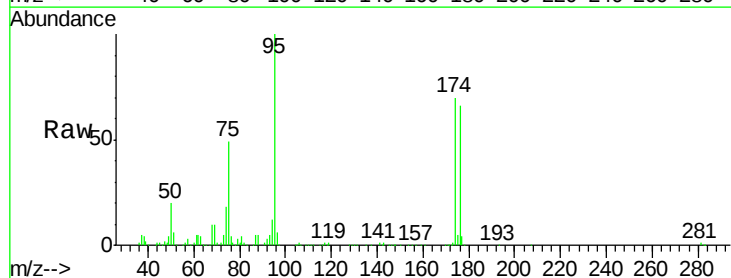
Tgt Ion: 95 Resp: 117019

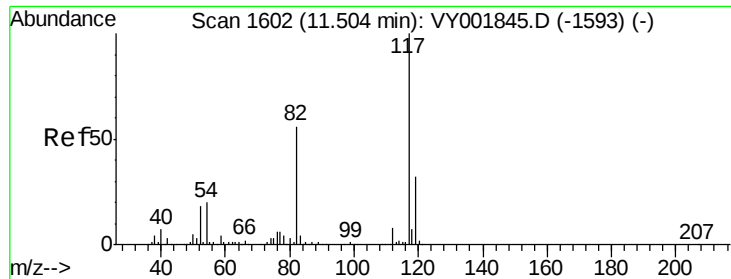
Ion Ratio Lower Upper

95 100

174 72.2 0.0 145.0

176 69.0 0.0 137.4

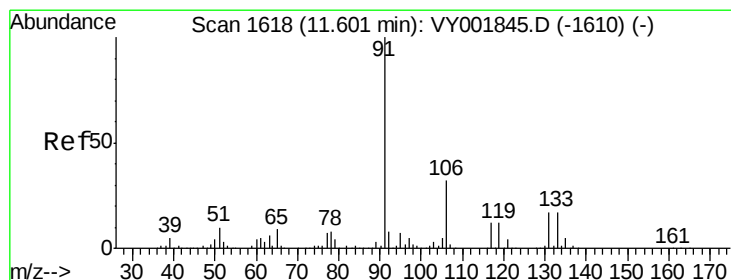
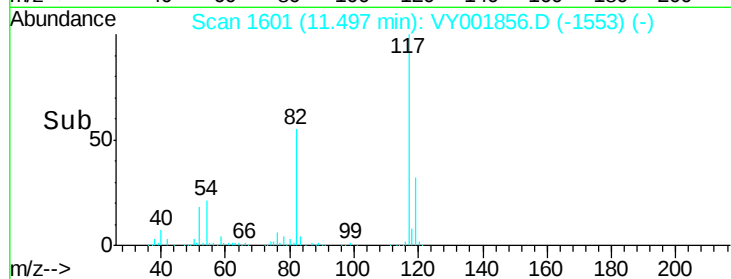
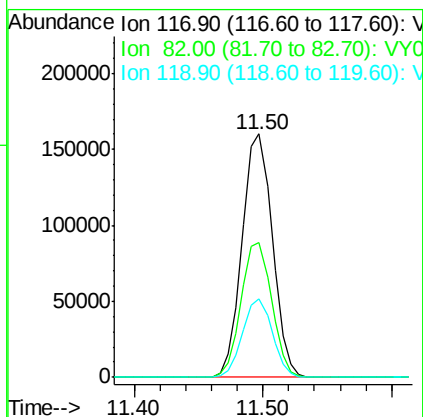
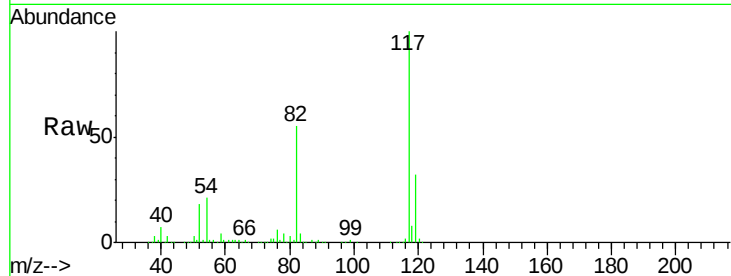




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001856.D
Acq: 04 Mar 2020 16:12

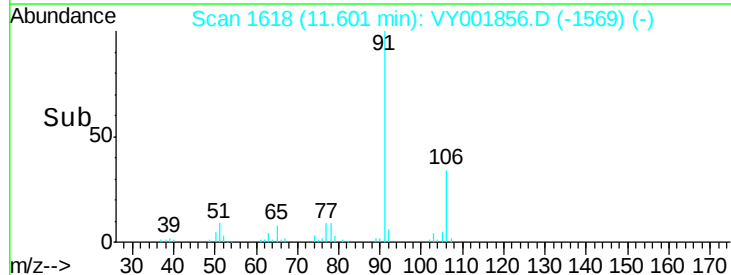
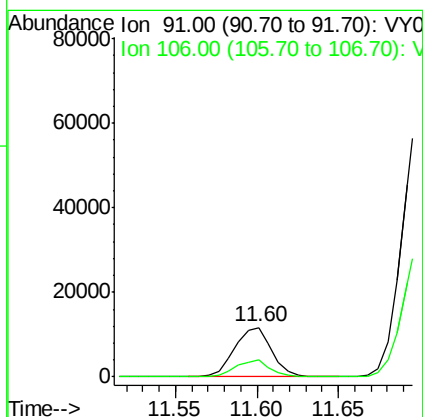
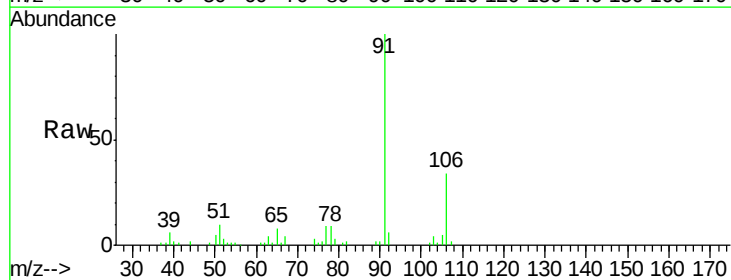
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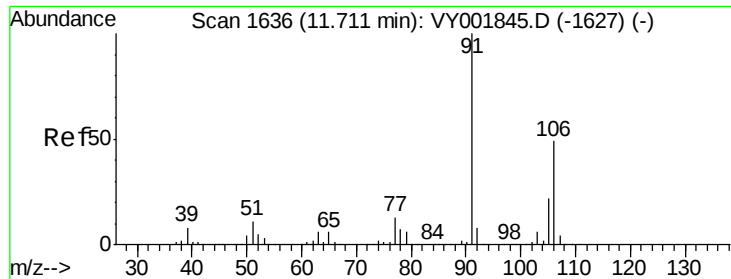
Tot Ion:117 Resp: 260562
Ion Ratio Lower Upper
117 100
82 55.3 44.5 66.7
119 32.1 25.7 38.5



#67
Ethyl Benzene
Concen: 1.896 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY001856.D
Acq: 04 Mar 2020 16:12

Tgt Ion: 91 Resp: 18363
Ion Ratio Lower Upper
91 100
106 34.4 25.4 38.2

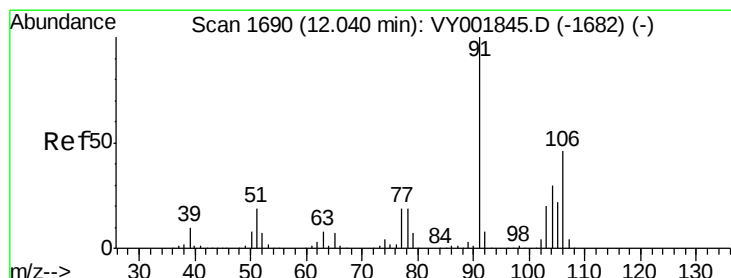
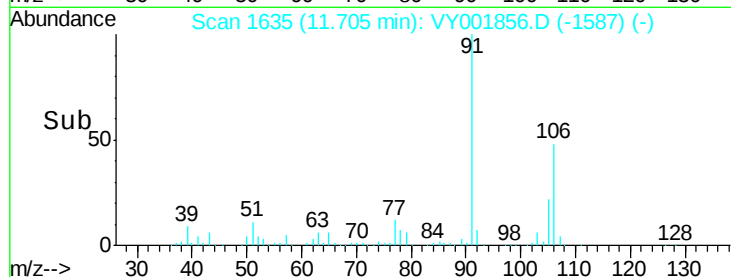
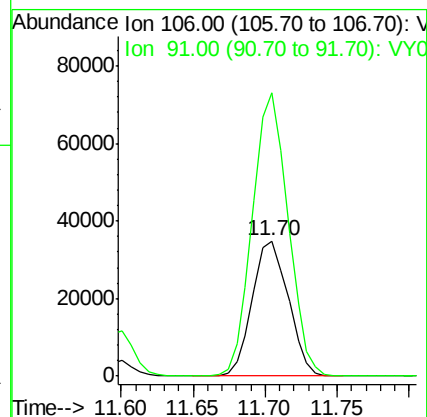
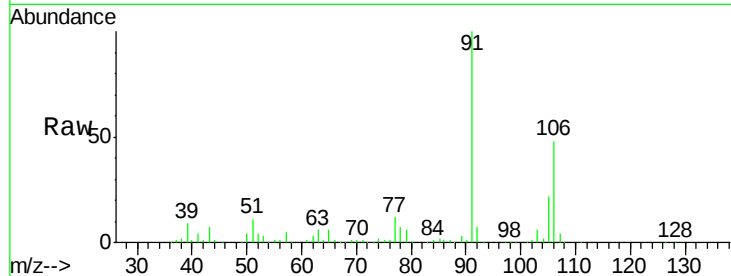




#68
m/p-Xylenes
Concen: 16.966 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001856.D
Acq: 04 Mar 2020 16:12

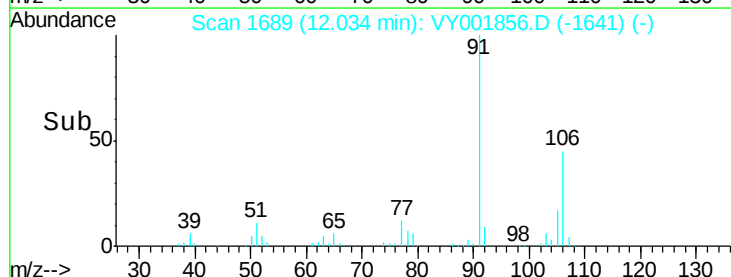
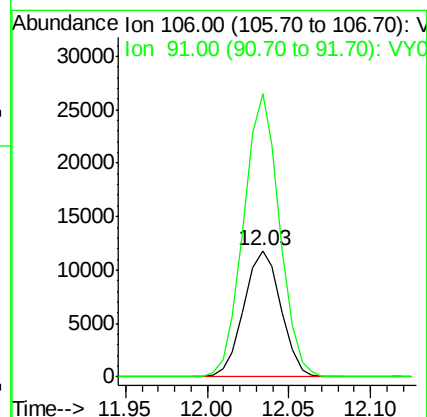
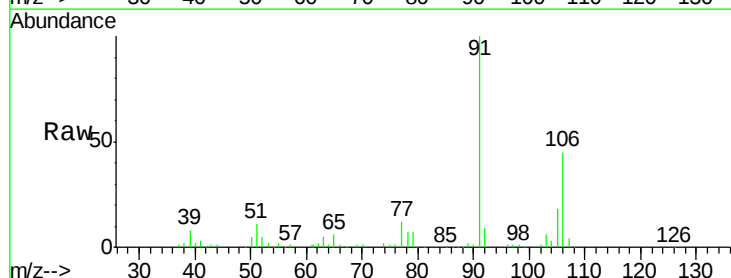
Instrument :
MSVOA_Y
ClientSampleId :
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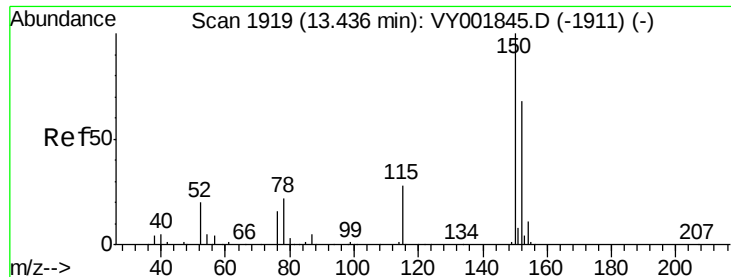
Tot Ion:106 Resp: 60736
Ion Ratio Lower Upper
106 100
91 206.1 161.3 241.9



#69
o-Xylene
Concen: 5.542 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001856.D
Acq: 04 Mar 2020 16:12

Tgt Ion:106 Resp: 18698
Ion Ratio Lower Upper
106 100
91 217.1 106.8 320.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001856.D

Acq: 04 Mar 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-030320

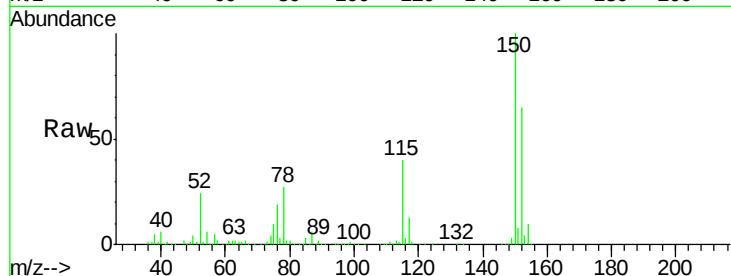
Tot Ion:152 Resp: 106706

Ion Ratio Lower Upper

152 100

115 61.3 29.9 89.7

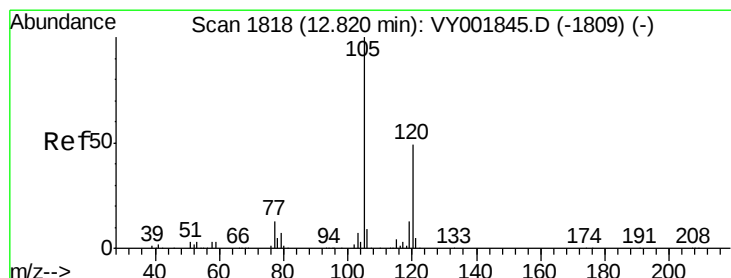
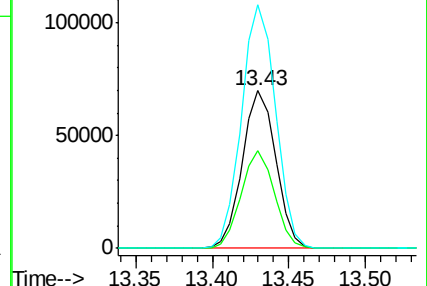
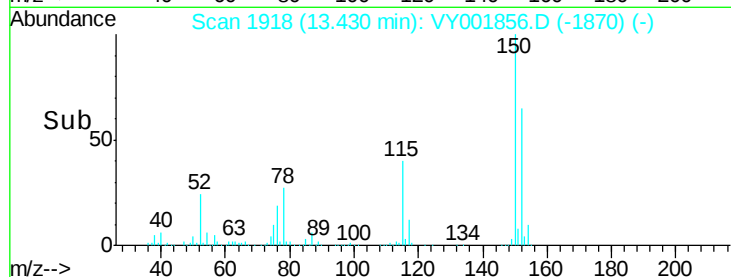
150 157.0 0.0 340.6



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



#80

1,3,5-Trimethylbenzene

Concen: 1.312 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY001856.D

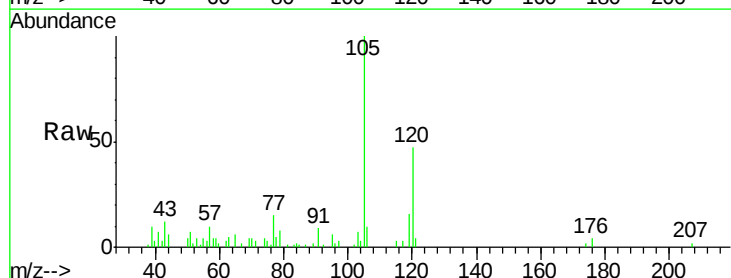
Acq: 04 Mar 2020 16:12

Tgt Ion:105 Resp: 8795

Ion Ratio Lower Upper

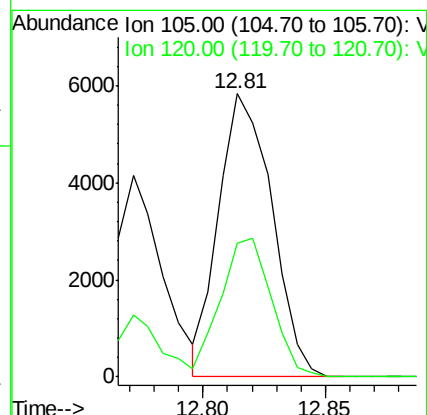
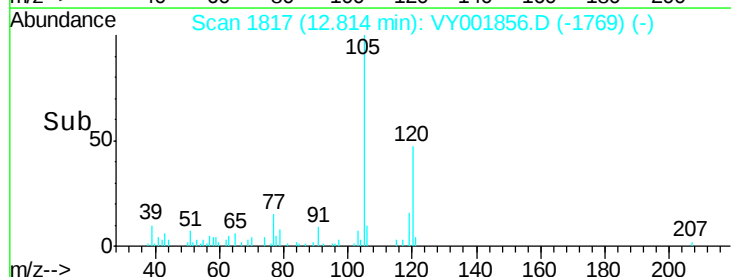
105 100

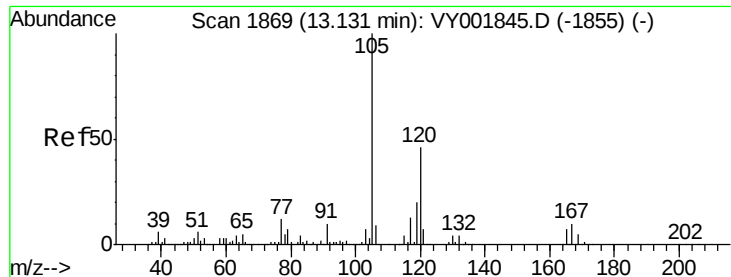
120 47.0 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

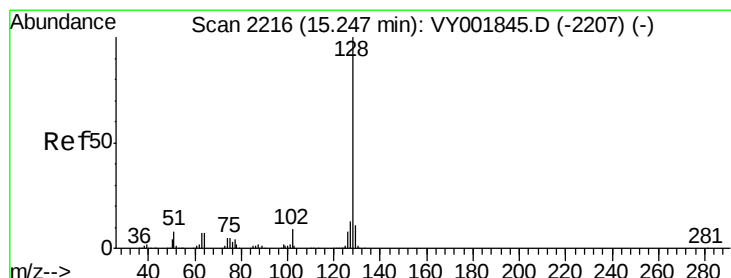
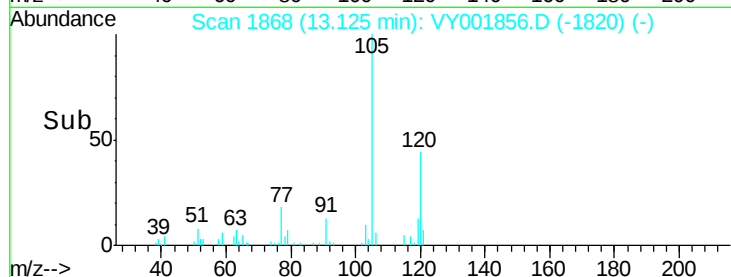
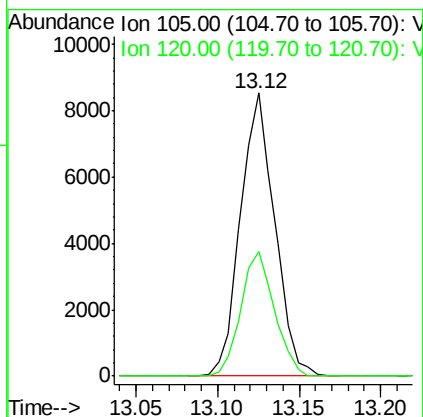
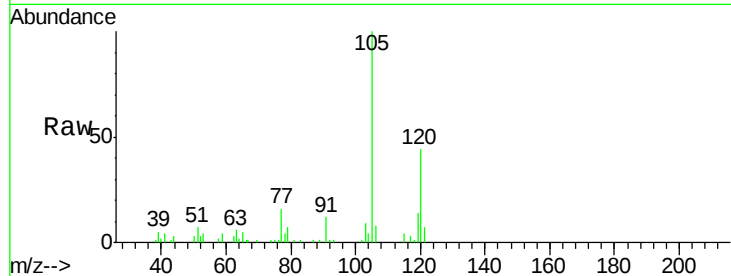




#84
 1,2,4-Trimethylbenzene
 Concen: 1.875 ug/l
 RT: 13.12 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VY001856.D
 Acq: 04 Mar 2020 16:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-030320

Tot Ion:105 Resp: 12479
 Ion Ratio Lower Upper
 105 100
 120 43.0 22.6 67.7



#95
 Naphthalene
 Concen: 2.290 ug/l
 RT: 15.24 min Scan# 2215
 Delta R.T. -0.01 min
 Lab File: VY001856.D
 Acq: 04 Mar 2020 16:12

Tgt Ion:128 Resp: 10822
 Ion Ratio Lower Upper
 128 100
 127 14.8 10.1 15.1
 129 10.7 8.6 13.0

