

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120419\
 Data File : VY000866.D
 Acq On : 04 Dec 2019 17:21
 Operator : SY/MD
 Sample : K6135-01
 Misc : 6.60G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-34

Quant Time: Dec 05 08:22:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

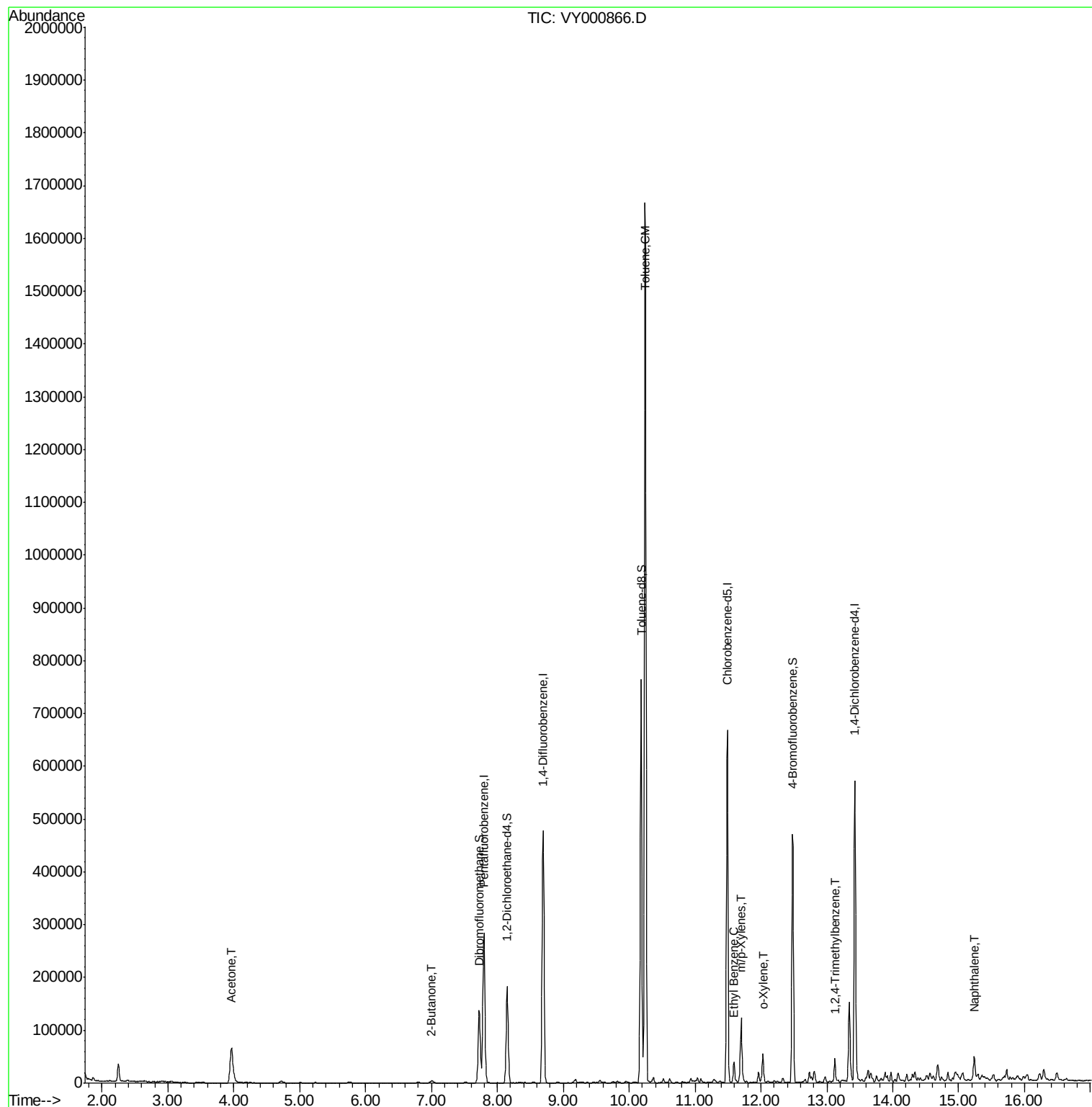
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	213568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	401631	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	350372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	136061	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	138677	61.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.22%	
35) Dibromofluoromethane	7.72	113	95811	40.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.86%	
50) Toluene-d8	10.18	98	476876	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.48	95	147308	41.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.84%	
Target Compounds						
16) Acetone	3.96	43	133699	256.825	ug/l	97
25) 2-Butanone	7.01	43	5244	5.453	ug/l #	88
52) Toluene	10.24	92	688215	95.557	ug/l	98
67) Ethyl Benzene	11.60	91	25902	1.910	ug/l	91
68) m/p-Xylenes	11.70	106	36080	7.087	ug/l	98
69) o-Xylene	12.03	106	12554	2.645	ug/l	94
84) 1,2,4-Trimethylbenzene	13.12	105	21788	2.428	ug/l	98
95) Naphthalene	15.23	128	33753	5.184	ug/l	98

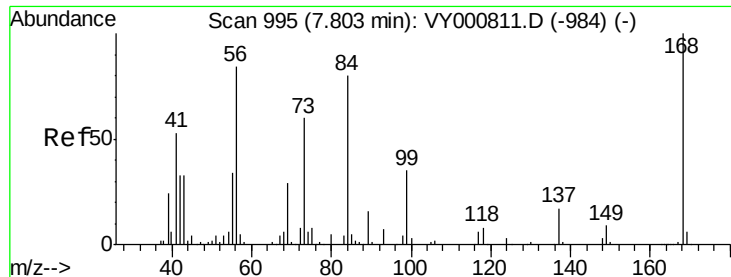
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000866.D

Acq: 04 Dec 2019 17:21

Instrument :

MSVOA_Y

ClientSampleId :

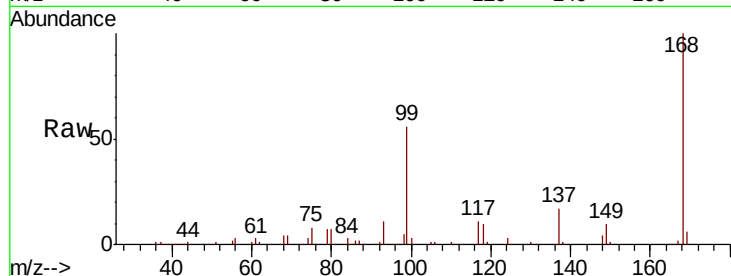
VOC-34

Tot Ion:168 Resp: 213568

Ion Ratio Lower Upper

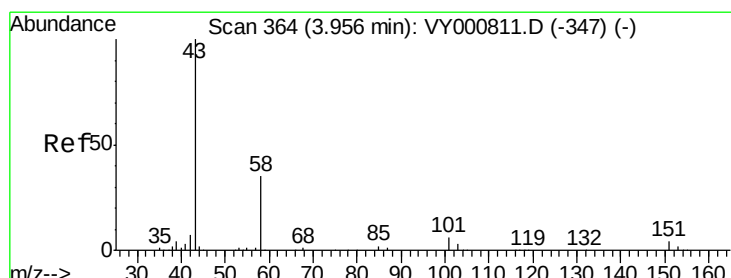
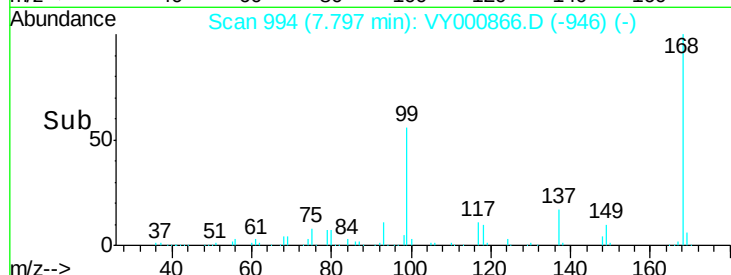
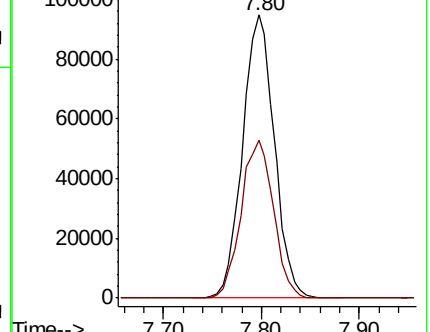
168 100

99 56.0 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000811.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000811.D (-984) (-)



#16

Acetone

Concen: 256.825 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000866.D

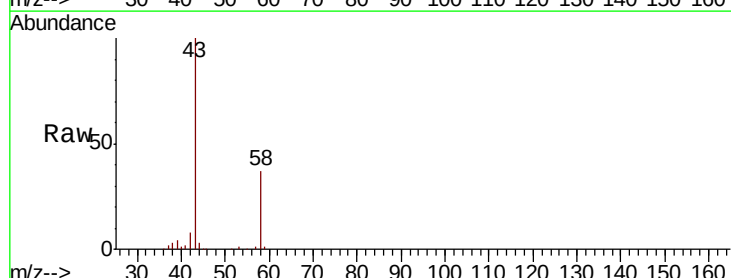
Acq: 04 Dec 2019 17:21

Tgt Ion: 43 Resp: 133699

Ion Ratio Lower Upper

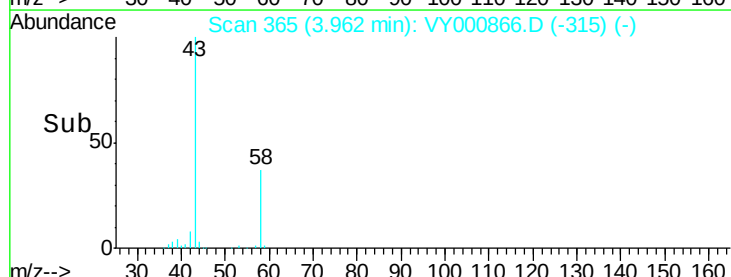
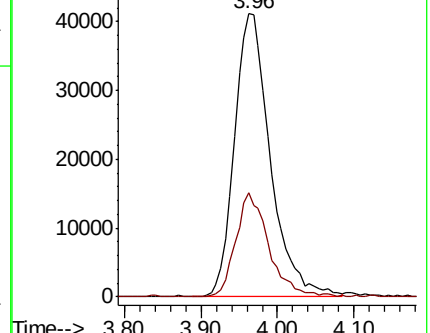
43 100

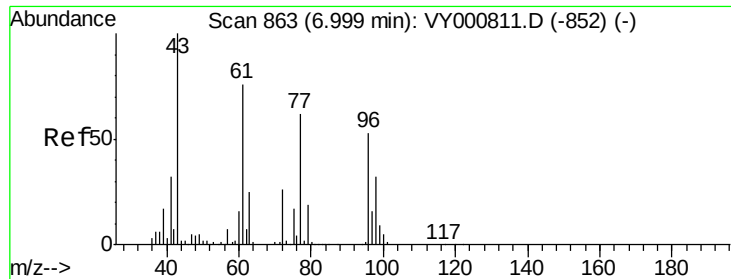
58 36.6 28.0 42.0



Abundance Ion 43.00 (42.70 to 43.70): VY000811.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY000811.D (-347) (-)





#25

2-Butanone

Concen: 5.453 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY000866.D

Acq: 04 Dec 2019 17:21

Instrument :

MSVOA_Y

ClientSampled :

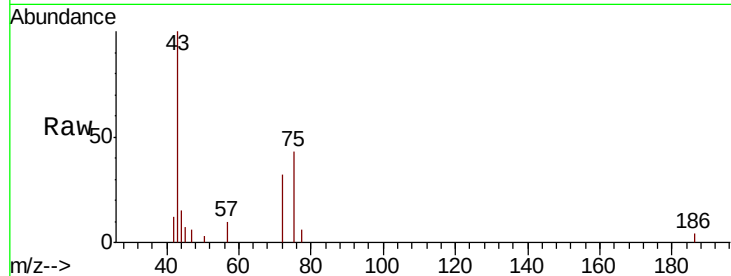
VOC-34

Tot Ion: 43 Resp: 5244

Ion Ratio Lower Upper

43 100

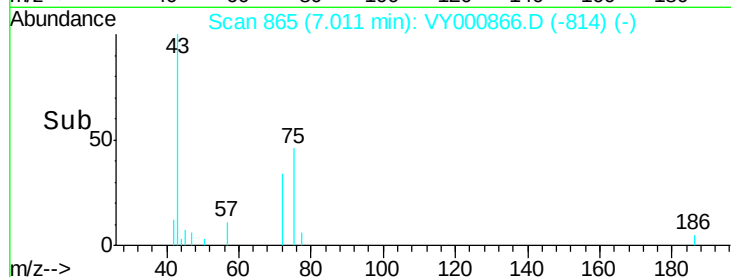
72 32.3 21.0 31.4#



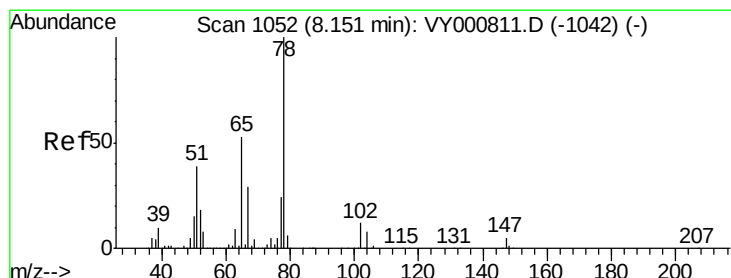
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Time-->



Time-->



#33

1,2-Dichloroethane-d4

Concen: 61.109 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY000866.D

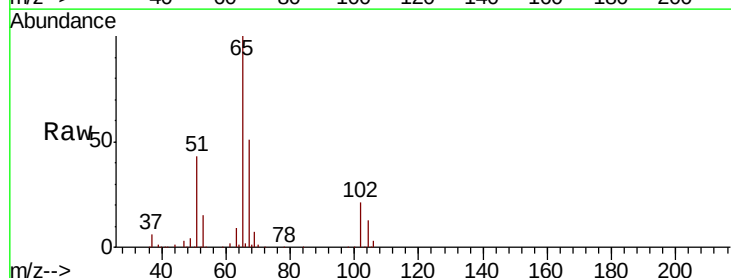
Acq: 04 Dec 2019 17:21

Tgt Ion: 65 Resp: 138677

Ion Ratio Lower Upper

65 100

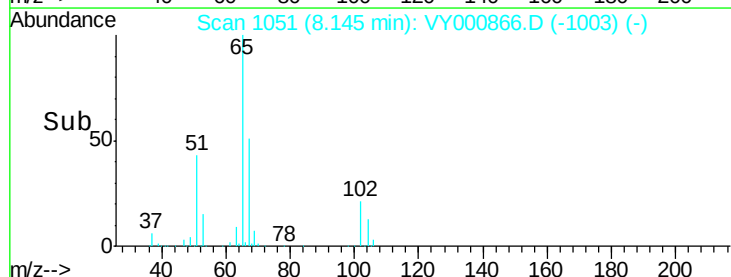
67 53.9 0.0 112.0



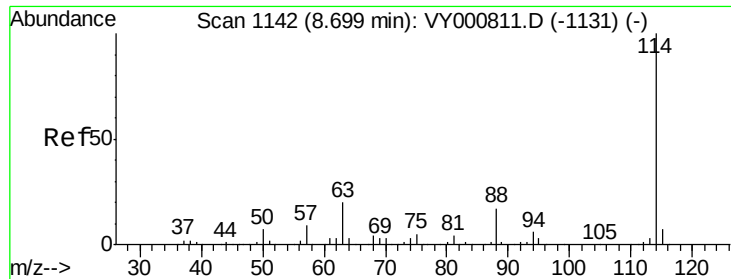
Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

Time-->



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY000866.D

Acq: 04 Dec 2019 17:21

Instrument :

MSVOA_Y

ClientSampleId :

VOC-34

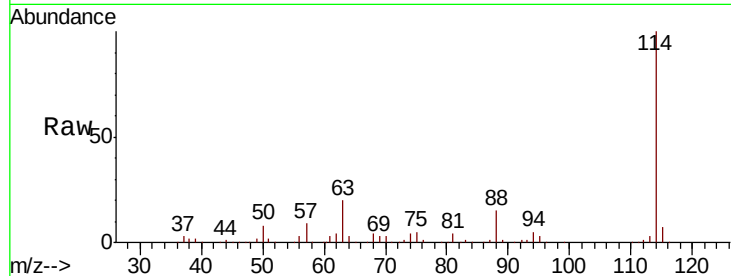
Tot Ion:114 Resp: 401631

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.8

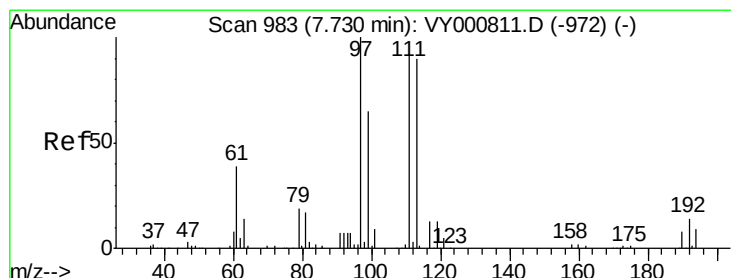
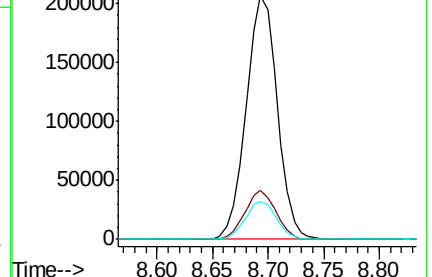
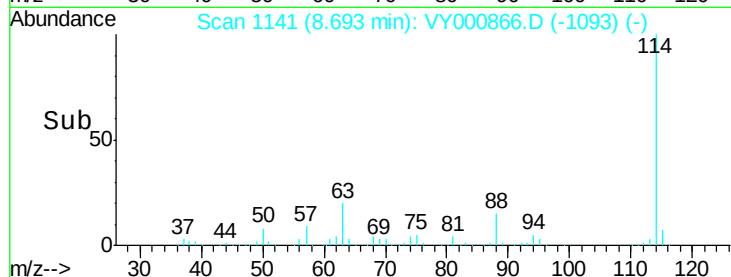
88 15.3 0.0 33.2



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: 40.933 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000866.D

Acq: 04 Dec 2019 17:21

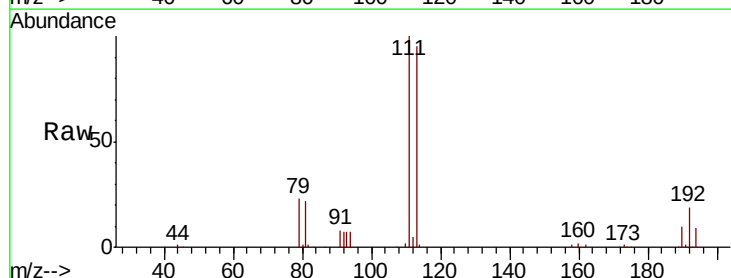
Tgt Ion:113 Resp: 95811

Ion Ratio Lower Upper

113 100

111 106.1 82.4 123.6

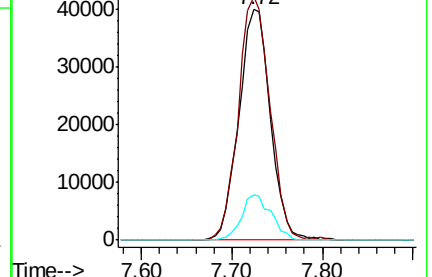
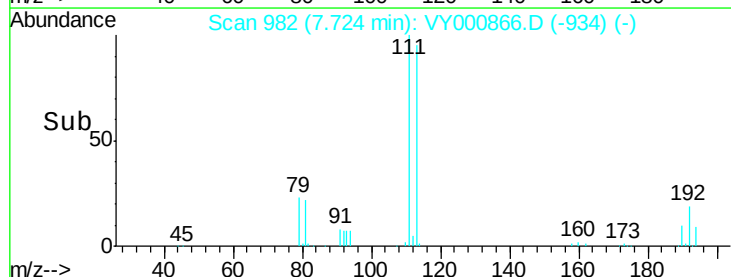
192 18.6 14.2 21.2

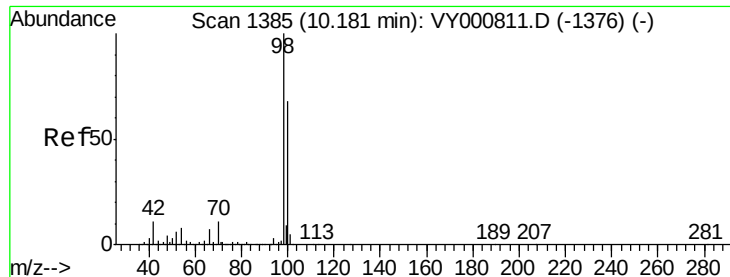


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.959 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000866.D

Acq: 04 Dec 2019 17:21

Instrument :

MSVOA_Y

ClientSampled :

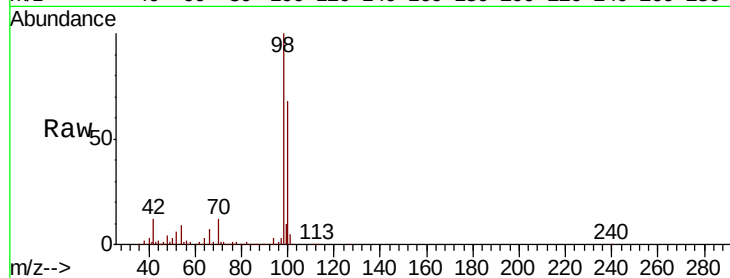
VOC-34

Tot Ion: 98 Resp: 476876

Ion Ratio Lower Upper

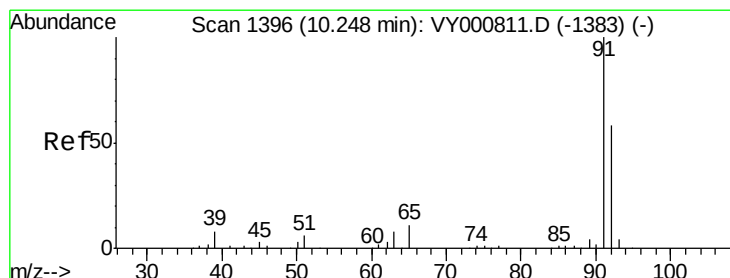
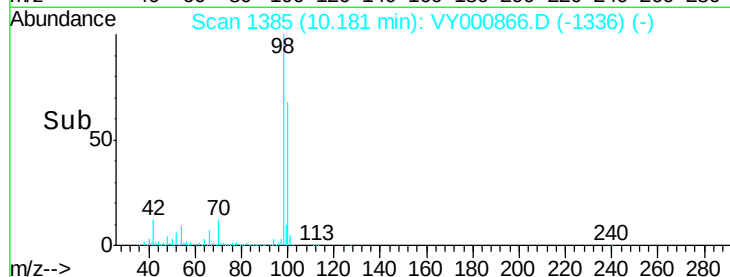
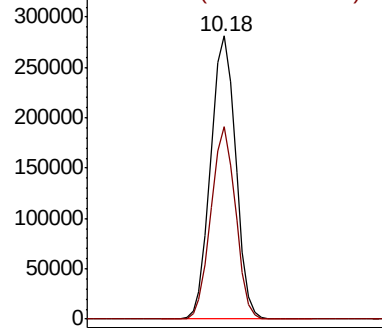
98 100

100 66.5 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#52

Toluene

Concen: 95.557 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY000866.D

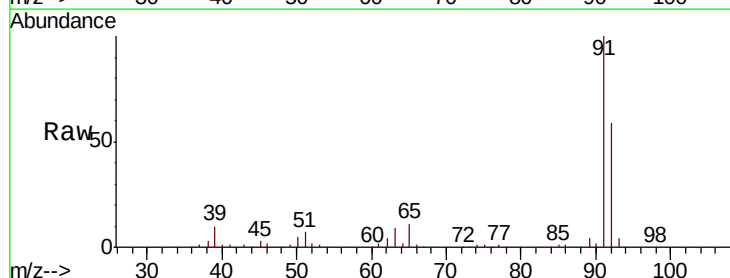
Acq: 04 Dec 2019 17:21

Tgt Ion: 92 Resp: 688215

Ion Ratio Lower Upper

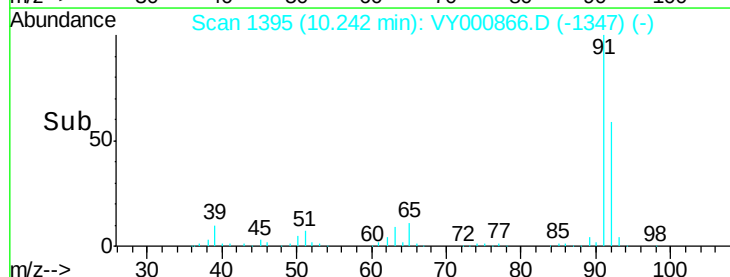
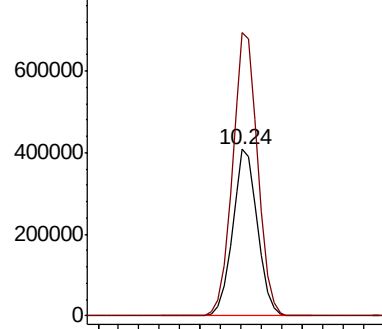
92 100

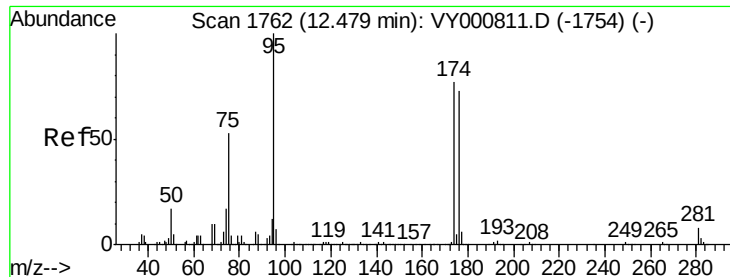
91 173.0 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

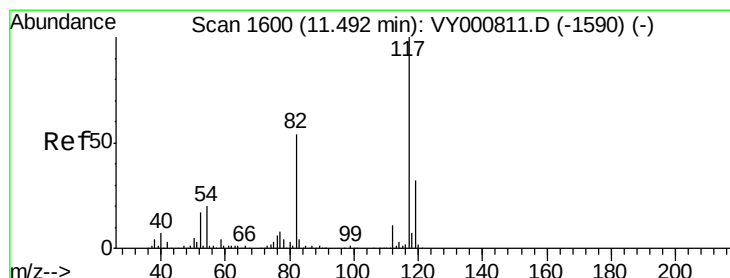
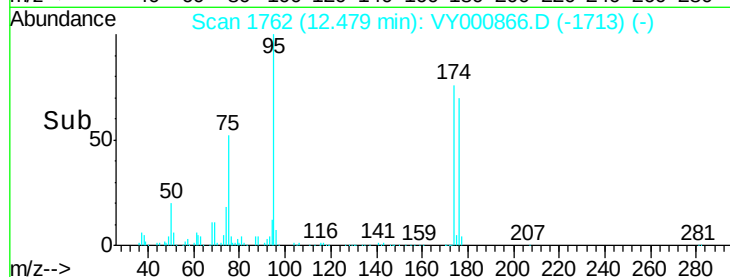
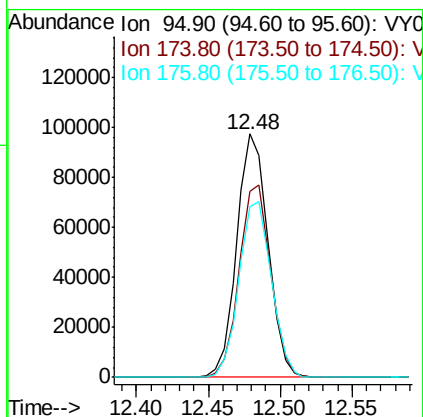
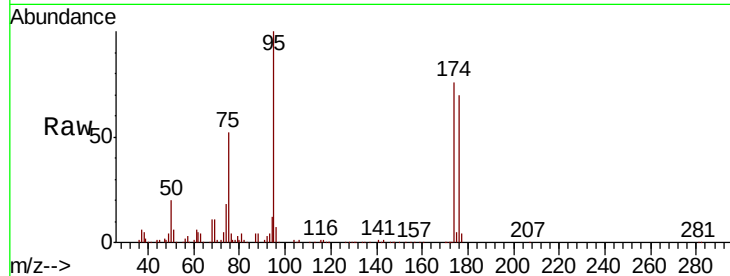




#62
4-Bromofluorobenzene
Concen: 41.915 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000866.D
Acq: 04 Dec 2019 17:21

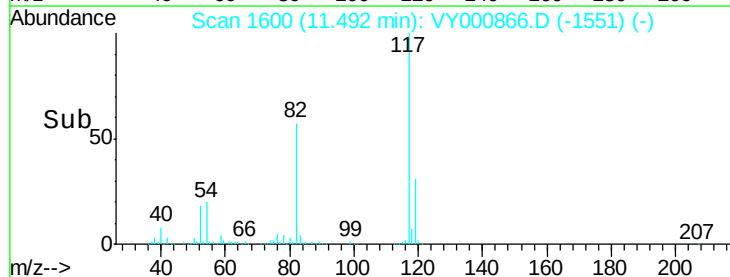
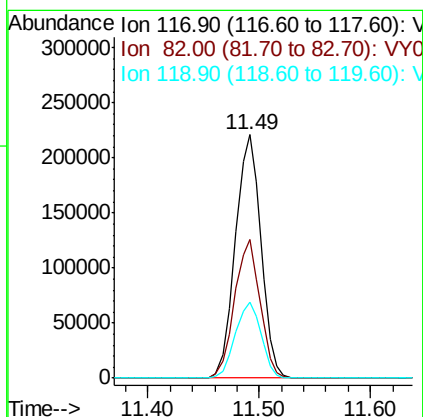
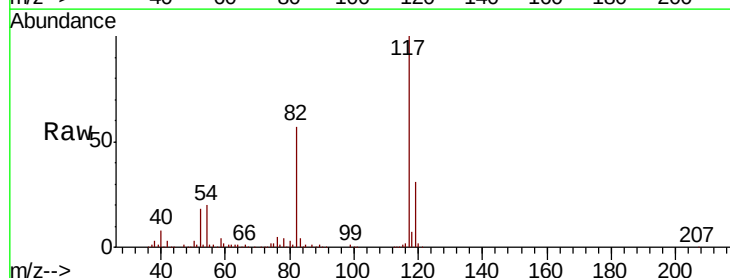
Instrument :
MSVOA_Y
ClientSampleId :
VOC-34

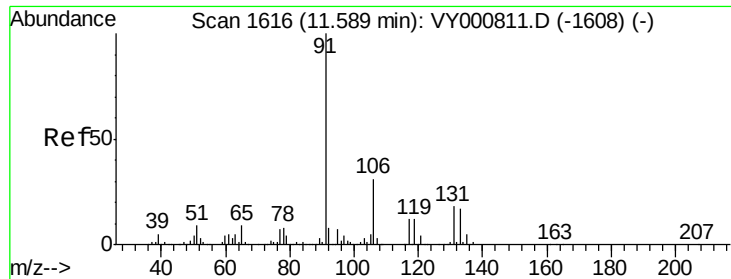
Tot Ion	95	Resp	147308
Ion Ratio	100		
Lower			
Upper			
174	79.4	0.0	150.6
176	75.0	0.0	145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000866.D
Acq: 04 Dec 2019 17:21

Tgt Ion	117	Resp	350372
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td></td> <td></td> <td></td>			
Upper <td></td> <td></td> <td></td>			
82	56.8	43.1	64.7
119	31.4	25.3	37.9

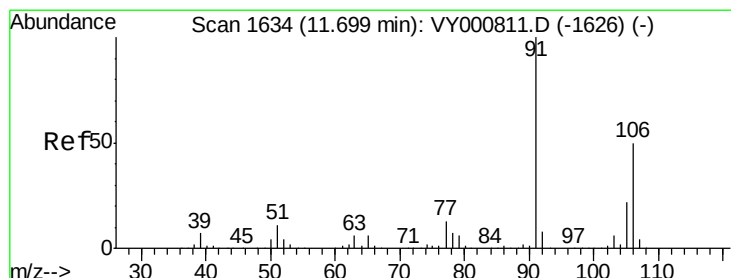
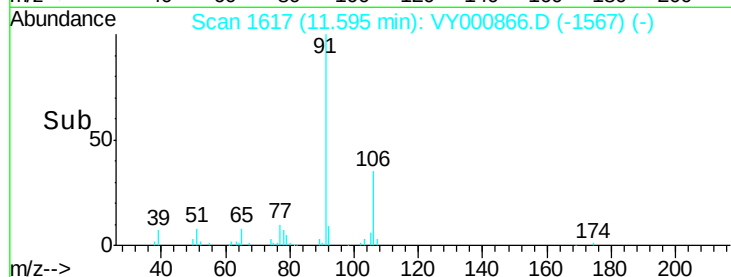
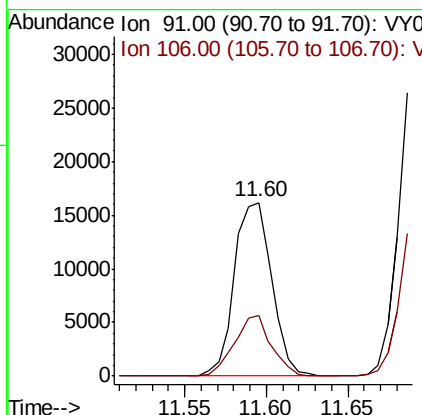
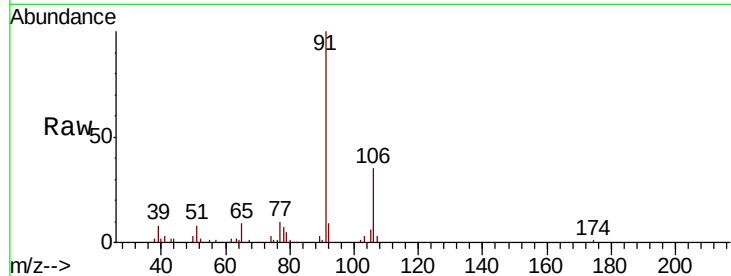




#67
Ethyl Benzene
Concen: 1.910 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY000866.D
Acq: 04 Dec 2019 17:21

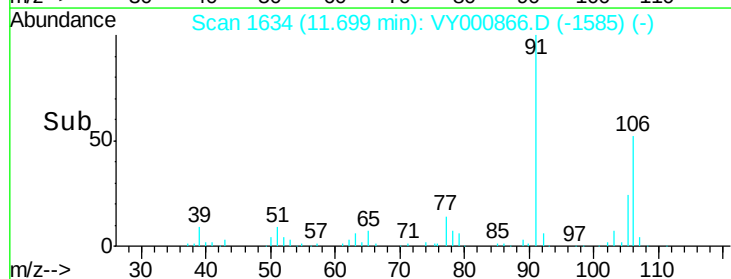
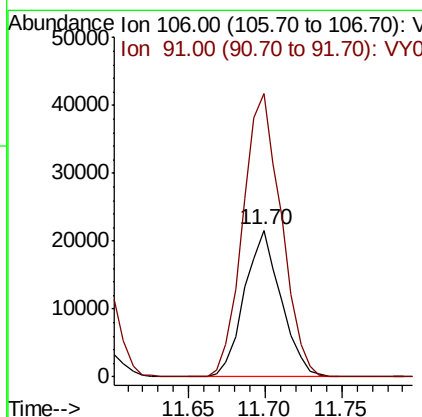
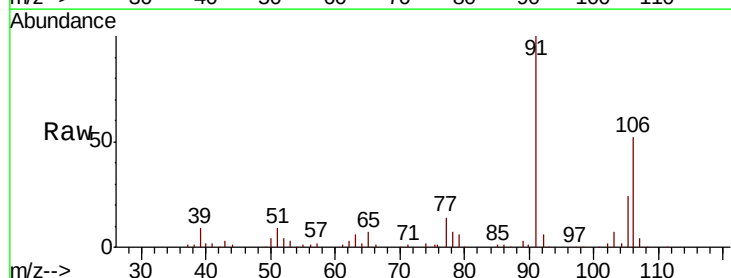
Instrument :
MSVOA_Y
ClientSampleId :
VOC-34

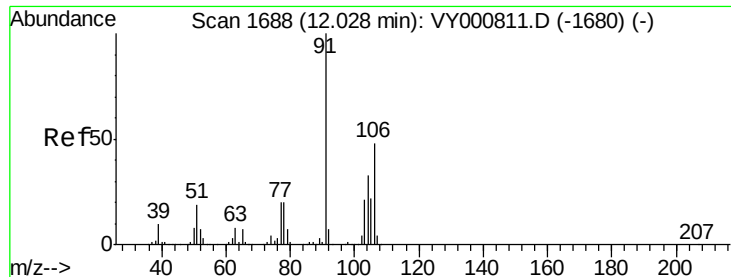
Tot Ion: 91 Resp: 25902
Ion Ratio Lower Upper
91 100
106 35.2 24.4 36.6



#68
m/p-Xylenes
Concen: 7.087 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY000866.D
Acq: 04 Dec 2019 17:21

Tgt Ion: 106 Resp: 36080
Ion Ratio Lower Upper
106 100
91 202.0 159.6 239.4

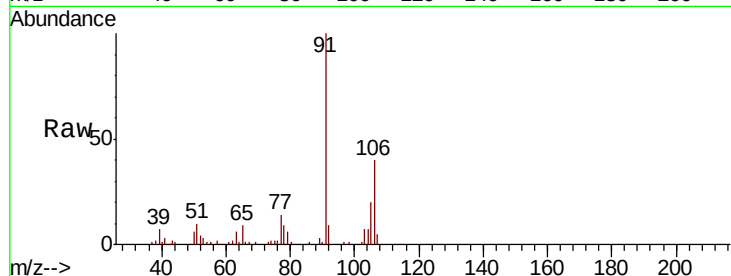




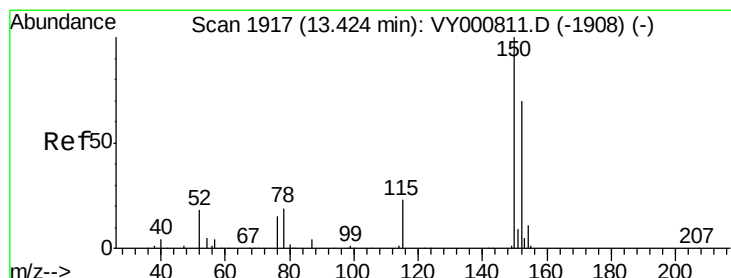
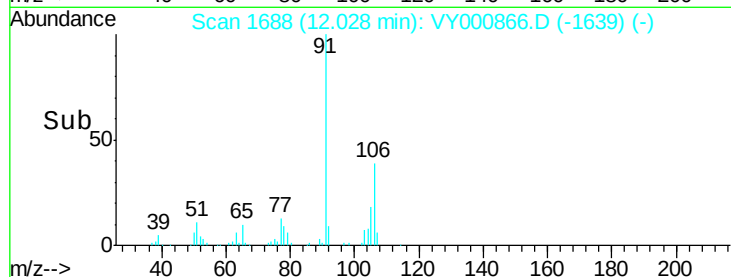
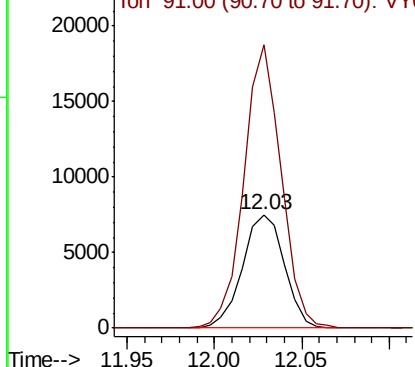
#69
o-Xylene
Concen: 2.645 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000866.D
Acq: 04 Dec 2019 17:21

Instrument :
MSVOA_Y
ClientSampled :
VOC-34

Tot Ion:106 Resp: 12554
Ion Ratio Lower Upper
106 100
91 221.9 106.1 318.1

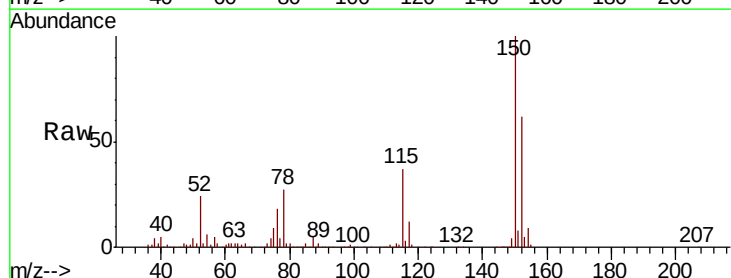


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

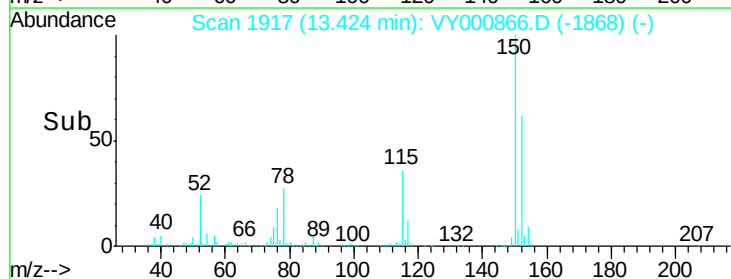
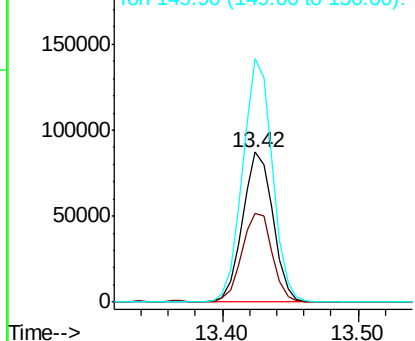


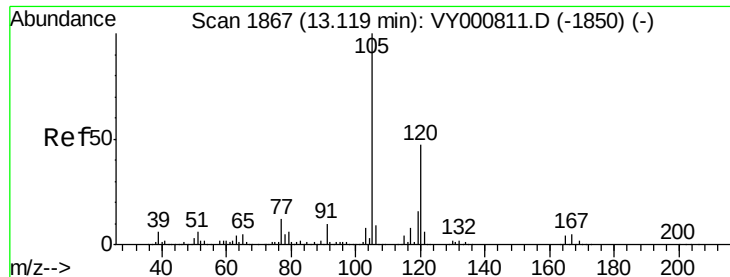
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000866.D
Acq: 04 Dec 2019 17:21

Tgt Ion:152 Resp: 136061
Ion Ratio Lower Upper
152 100
115 59.6 29.3 87.8
150 158.7 0.0 351.2



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

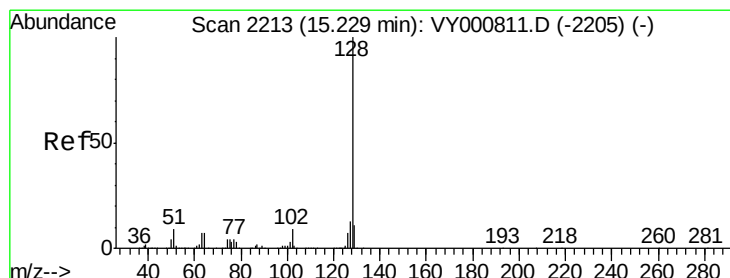
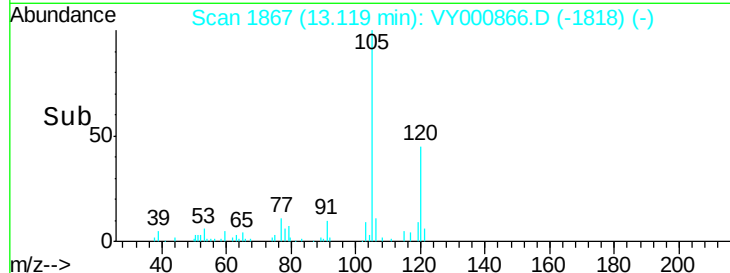
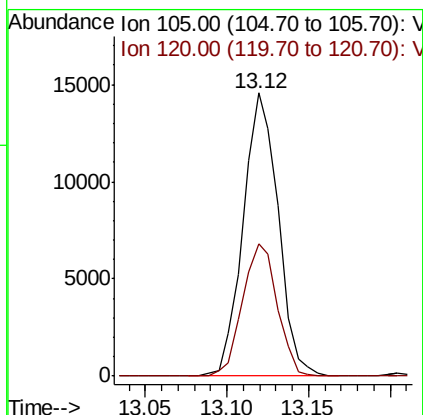
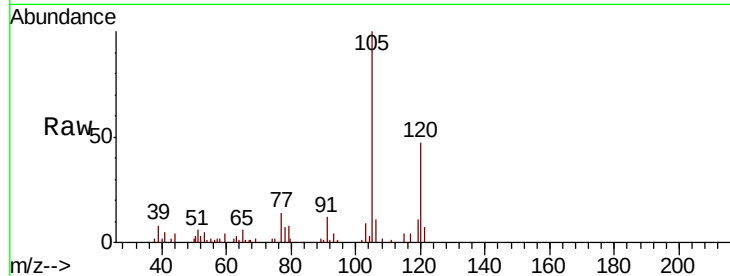




#84
 1,2,4-Trimethylbenzene
 Concen: 2.428 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY000866.D
 Acq: 04 Dec 2019 17:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-34

Tot Ion:105 Resp: 21788
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.6 67.8



#95
 Naphthalene
 Concen: 5.184 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. 0.01 min
 Lab File: VY000866.D
 Acq: 04 Dec 2019 17:21

Tgt Ion:128 Resp: 33753
 Ion Ratio Lower Upper
 128 100
 127 13.4 10.1 15.1
 129 12.0 8.8 13.2

