

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092319\
 Data File : VY000139.D
 Acq On : 23 Sep 2019 18:30
 Operator : SY/MD
 Sample : K5008-09
 Misc : 5.46g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-9

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:39:34 AM

Quant Time: Sep 24 05:52:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 05:14:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	83928	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.71	114	174366	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.52	117	84677	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	13.45	152	192447m	50.00	ug/l	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	75790m	78.56	ug/l	0.00
Spiked Amount						
						Recovery = 157.12%
35) Dibromofluoromethane	7.73	113	49324	49.26	ug/l	0.01
Spiked Amount						
						Recovery = 98.52%
50) Toluene-d8	10.29	98	8622415	2139.26	ug/l	0.12
Spiked Amount						
						Recovery = 4278.52%
62) 4-Bromofluorobenzene	12.46	95	6041139m	4075.38	ug/l	-0.01
Spiked Amount						
						Recovery = 8150.76%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	69246	369.221	ug/l	94
17) Carbon Disulfide	4.21	76	69611	20.017	ug/l	99
25) 2-Butanone	7.01	43	62520	179.677	ug/l #	74
31) Cyclohexane	7.81	56	1215335	647.664	ug/l #	65
39) Methylcyclohexane	9.21	83	30242909	13619.830	ug/l #	67
73) Isopropylbenzene	12.35	105	10382439	677.585	ug/l	99
78) n-propylbenzene	12.69	91	12264209	647.178	ug/l	98
85) sec-Butylbenzene	13.26	105	4786224	304.816	ug/l	80
89) n-Butylbenzene	13.69	91	3073997	223.843	ug/l #	78

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

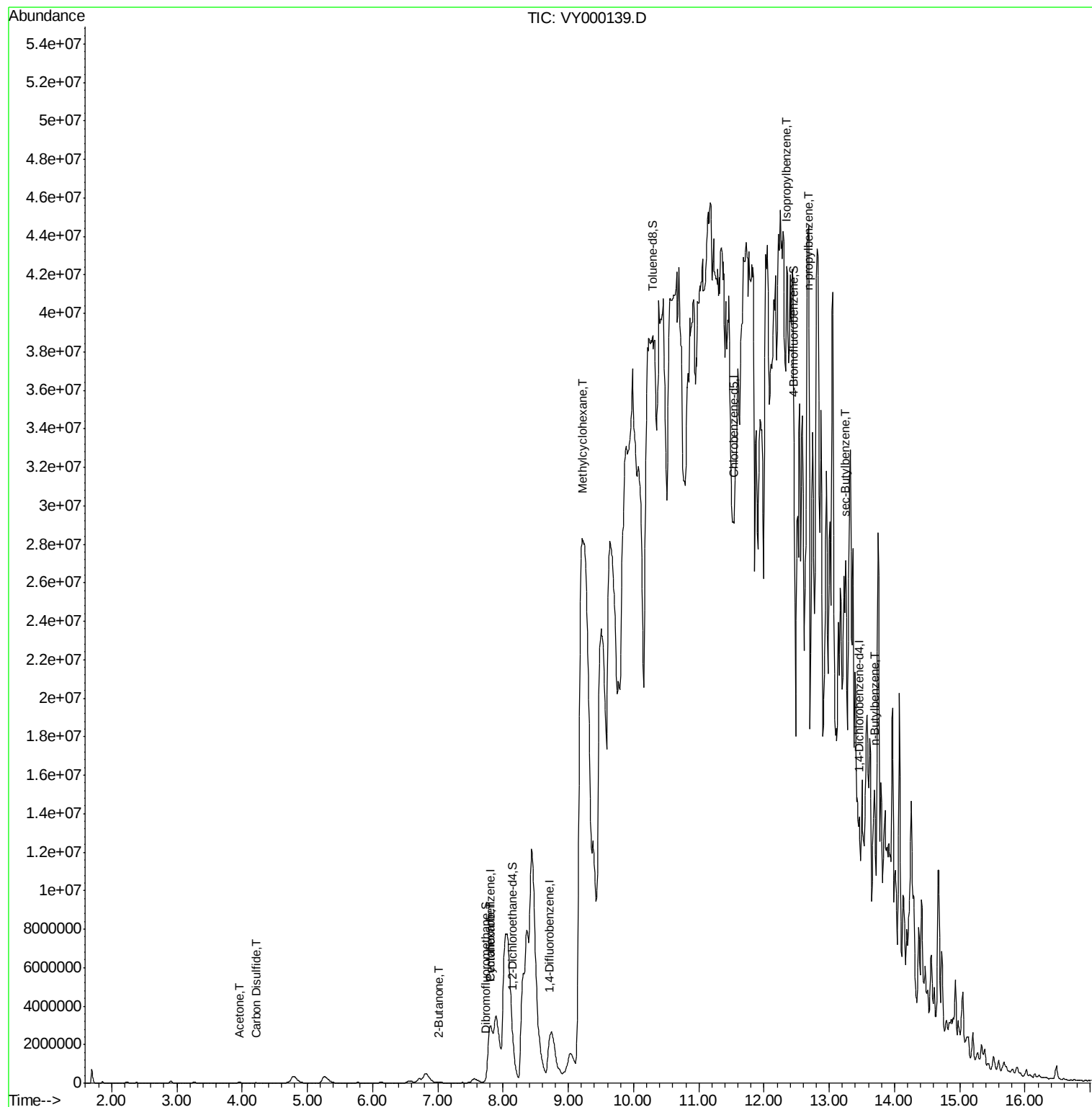
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY092319\
Data File : VY000139.D
Acq On : 23 Sep 2019 18:30
Operator : SY/MD
Sample : K5008-09
Misc : 5.46g/5.00ml/MSVOA Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

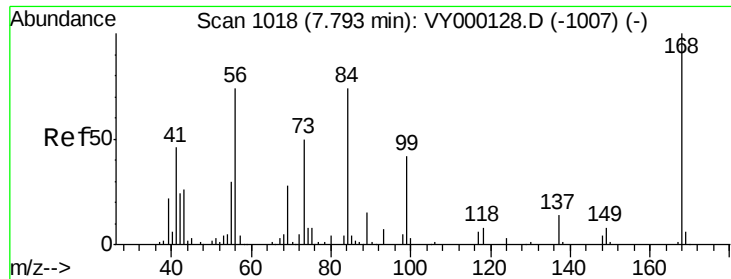
Instrument :
MSVOA_Y
ClientSampleId :
SB-9

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9/25/2019 12:39:34 AM

Quant Time: Sep 24 05:52:07 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092319S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 24 05:14:45 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 1021

Delta R.T. 0.02 min

Lab File: VY000139.D

Acq: 23 Sep 2019 18:30

Instrument :

MSVOA_Y

ClientSampled :

SB-9

Tot Ion:168 Resp: 83928

Ion Ratio Lower Upper

168 100

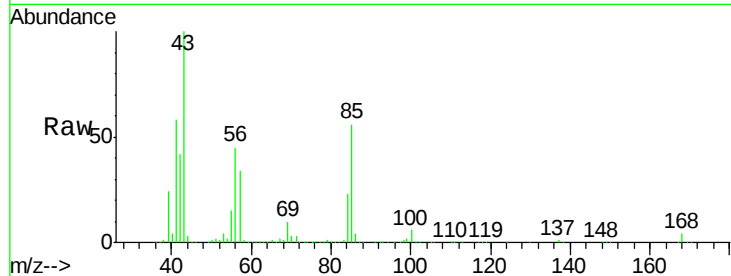
99 56.8 49.9 74.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY000128.D (-1007) (-)

Ion 98.90 (98.60 to 99.60): VY000128.D (-1007) (-)

7.81

25000

20000

15000

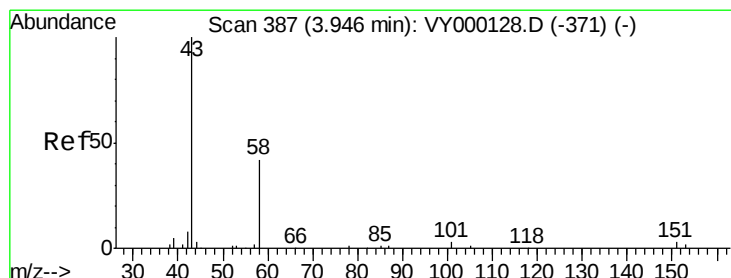
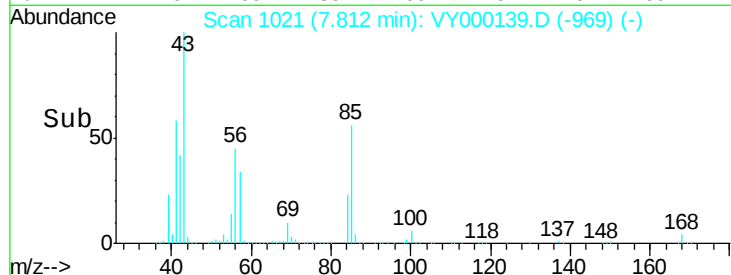
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5000

0

7.70 7.80 7.90 8.00

Time-->



#16

Acetone

Concen: 369.221 ug/l

RT: 3.96 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY000139.D

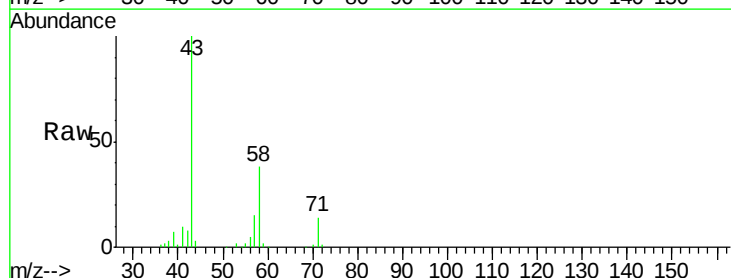
Acq: 23 Sep 2019 18:30

Tgt Ion: 43 Resp: 69246

Ion Ratio Lower Upper

43 100

58 38.0 33.5 50.3



Abundance Ion 43.00 (42.70 to 43.70): VY000128.D (-371) (-)

Ion 58.00 (57.70 to 58.70): VY000128.D (-371) (-)

3.96

20000

15000

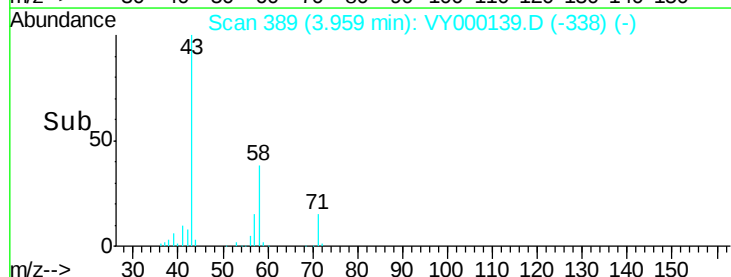
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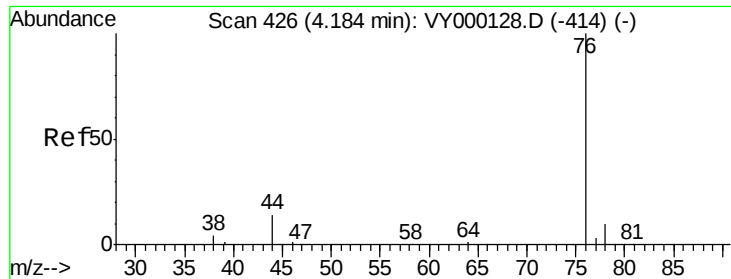
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0

3.80 3.90 4.00 4.10 4.20

Time-->





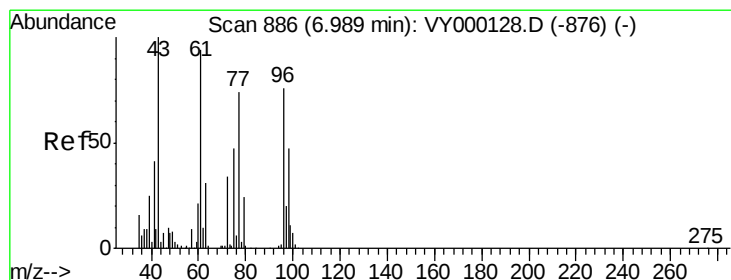
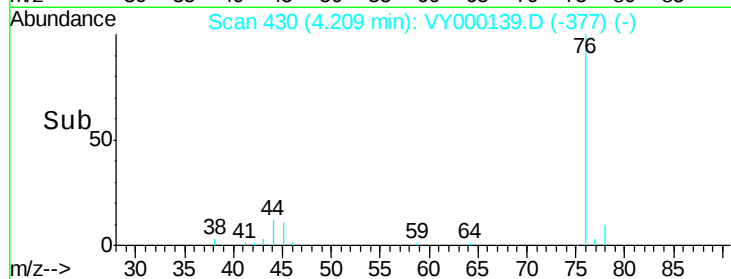
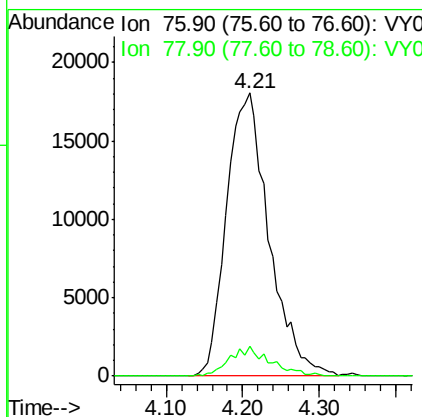
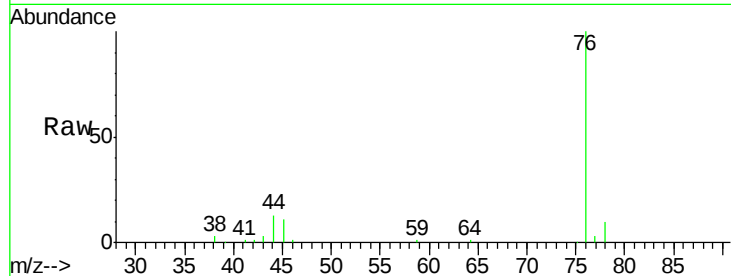
#17
Carbon Disulfide
Concen: 20.017 ug/l
RT: 4.21 min Scan# 430
Delta R.T. 0.02 min
Lab File: VY000139.D
Acq: 23 Sep 2019 18:30

Instrument :
MSVOA_Y
ClientSampleId :
SB-9

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.4	7.9	11.9

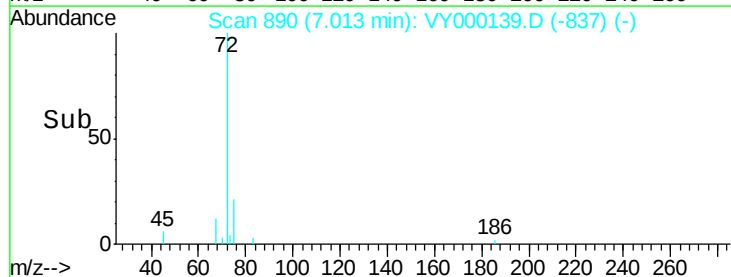
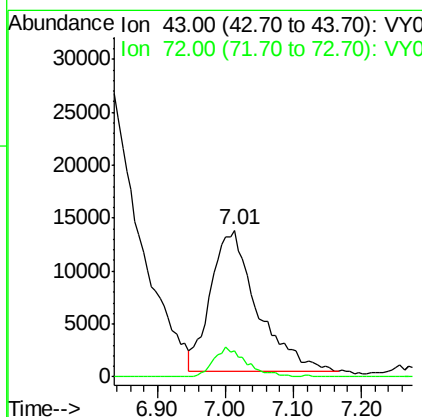
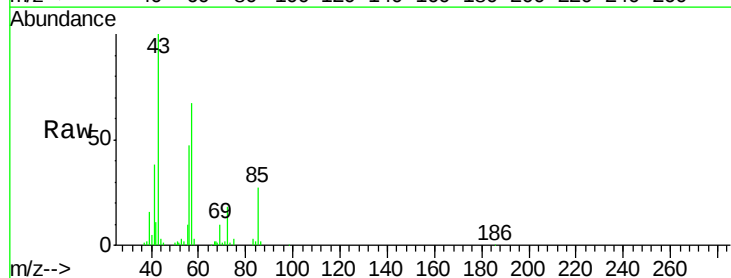
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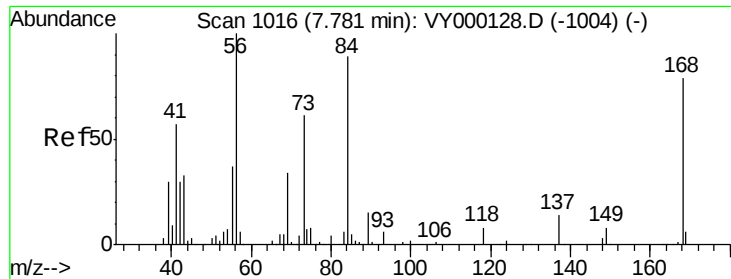
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#25
2-Butanone
Concen: 179.677 ug/l
RT: 7.01 min Scan# 890
Delta R.T. 0.02 min
Lab File: VY000139.D
Acq: 23 Sep 2019 18:30

Tgt Ion	Ratio	Lower	Upper
43	100		
72	18.8	27.0	40.6#





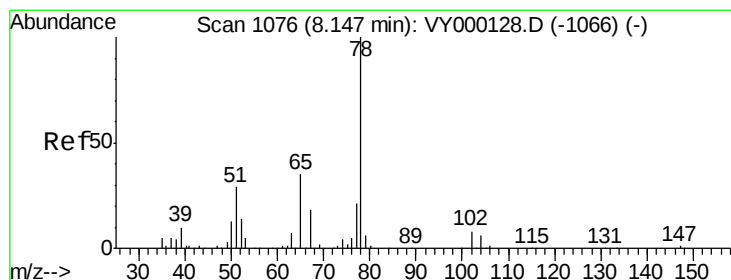
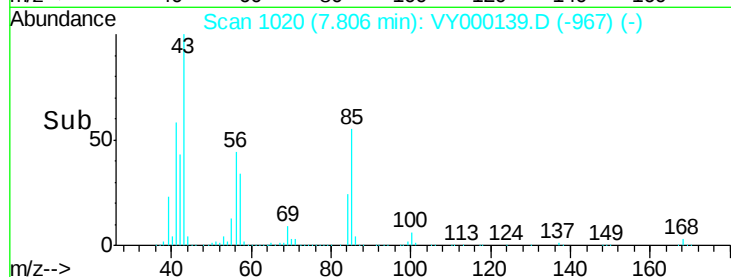
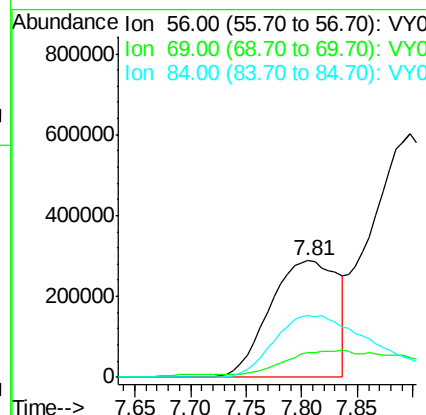
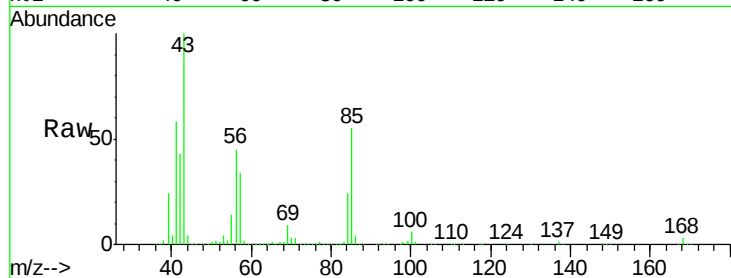
#31
Cyclohexane
Concen: 647.664 ug/l
RT: 7.81 min Scan# 1020
Delta R.T. 0.02 min
Lab File: VY000139.D
Acq: 23 Sep 2019 18:30

Instrument :
MSVOA_Y
ClientSampled :
SB-9

Tot Ion: 56 Resp: 1215335
Ion Ratio Lower Upper
56 100
69 18.6 27.1 40.7#
84 53.2 71.3 106.9#

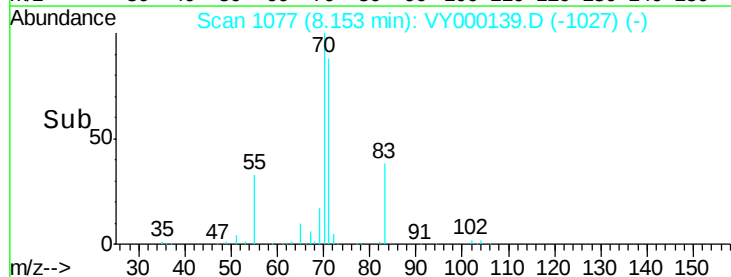
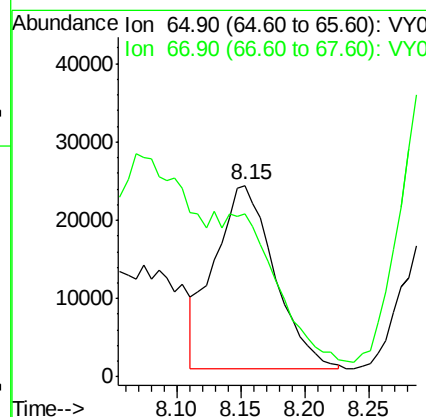
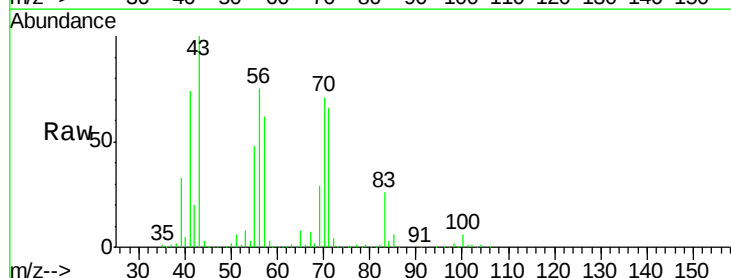
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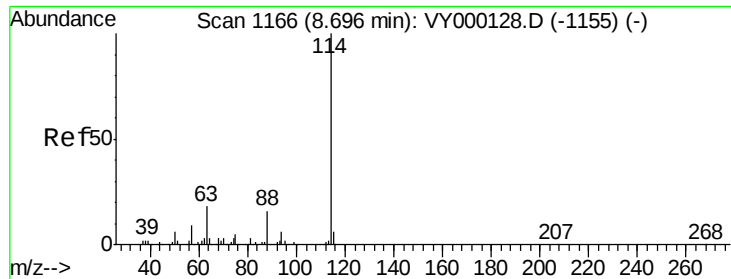
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#33
1,2-Dichloroethane-d4
Concen: 78.558 ug/l m
RT: 8.15 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VY000139.D
Acq: 23 Sep 2019 18:30

Tgt Ion: 65 Resp: 75790
Ion Ratio Lower Upper
65 100
67 100.6 0.0 109.6





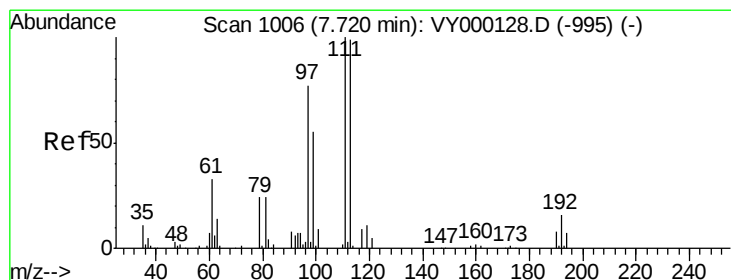
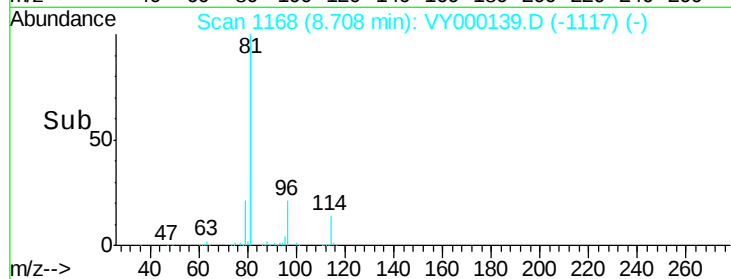
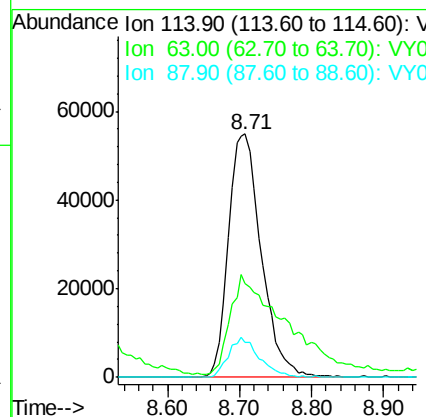
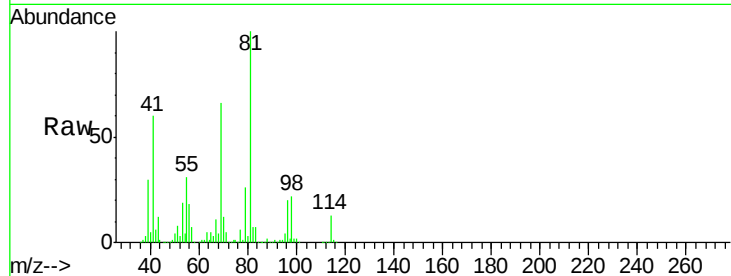
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1168
 Delta R.T. 0.01 min
 Lab File: VY000139.D
 Acq: 23 Sep 2019 18:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-9

Tot Ion	Ratio	Resp	Lower	Upper
114	100	174366		
63	37.2	0.0	35.6#	
88	14.2	0.0	31.8	

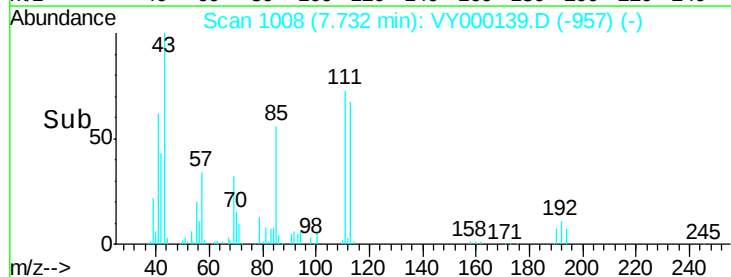
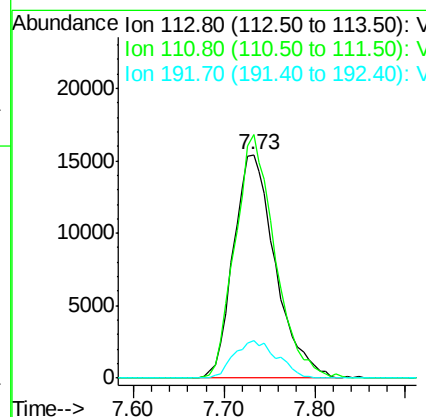
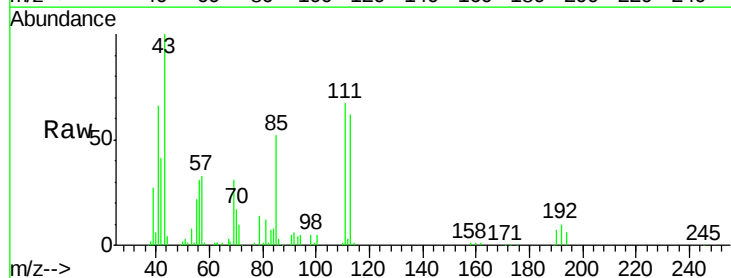
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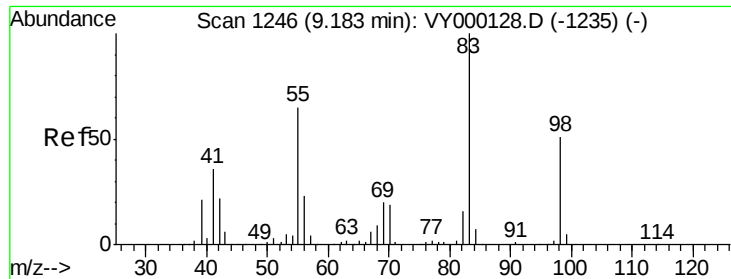
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#35
 Dibromofluoromethane
 Concen: 49.265 ug/l
 RT: 7.73 min Scan# 1008
 Delta R.T. 0.01 min
 Lab File: VY000139.D
 Acq: 23 Sep 2019 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	49324		
111	103.7	83.0	124.4	
192	17.3	13.5	20.3	





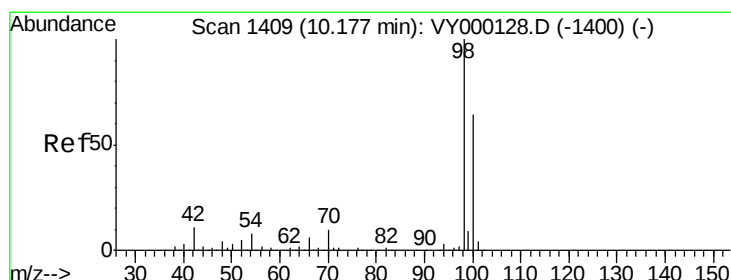
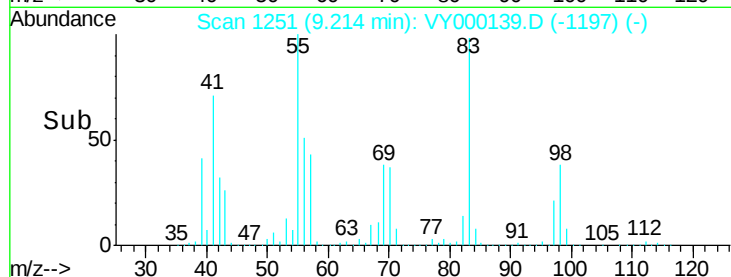
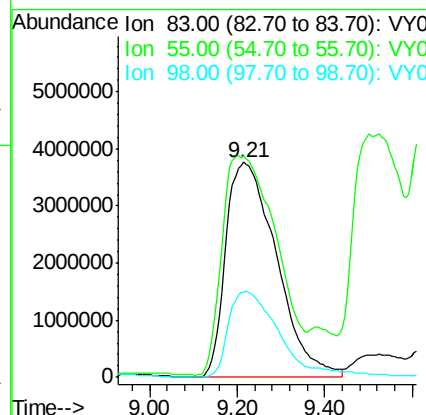
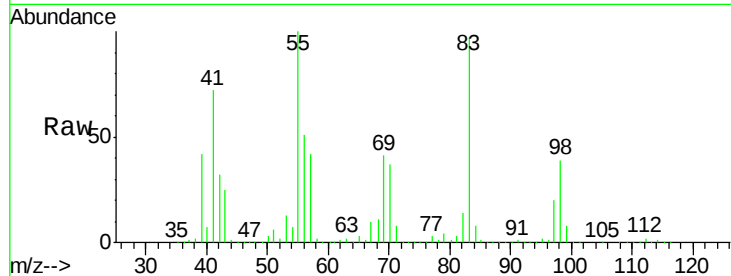
#39
Methylcyclohexane
Concen: 13619.830 ug/l
RT: 9.21 min Scan# 1251
Delta R.T. 0.03 min
Lab File: VY000139.D
Acq: 23 Sep 2019 18:30

Instrument :
MSVOA_Y
ClientSampled :
SB-9

Tot Ion: 83 Resp: 30242909
Ion Ratio Lower Upper
83 100
55 102.2 52.3 78.5#
98 39.7 40.6 61.0#

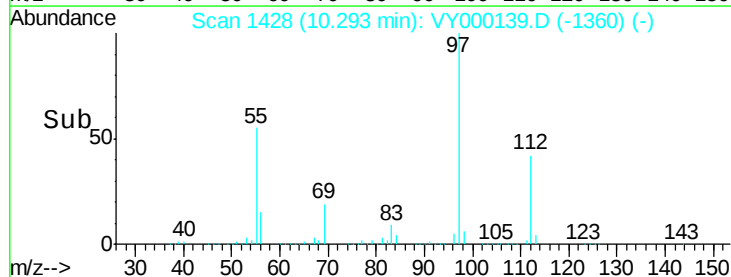
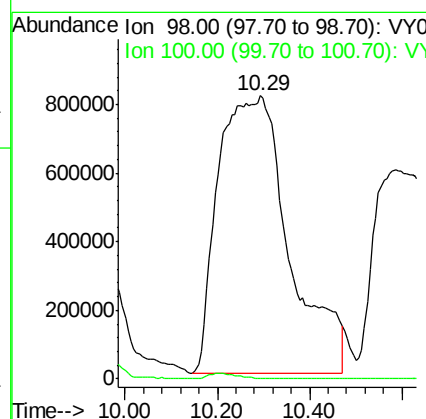
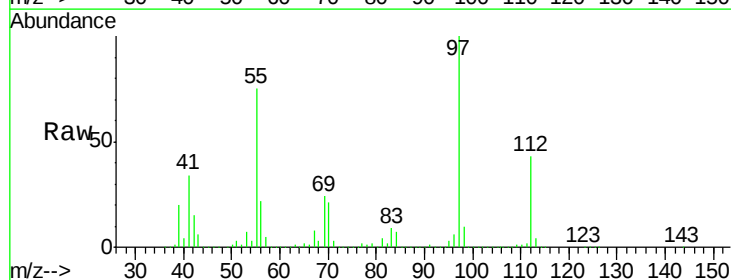
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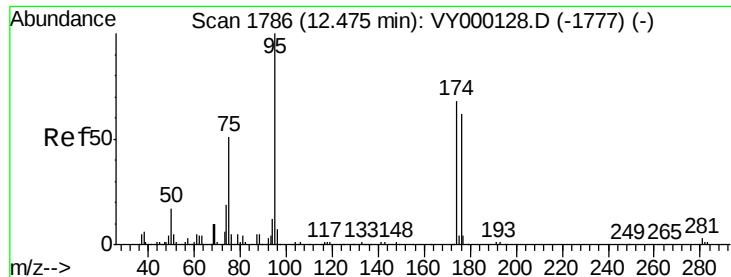
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#50
Toluene-d8
Concen: 2139.262 ug/l
RT: 10.29 min Scan# 1428
Delta R.T. 0.12 min
Lab File: VY000139.D
Acq: 23 Sep 2019 18:30

Tgt Ion: 98 Resp: 8622415
Ion Ratio Lower Upper
98 100
100 0.0 52.7 79.1#





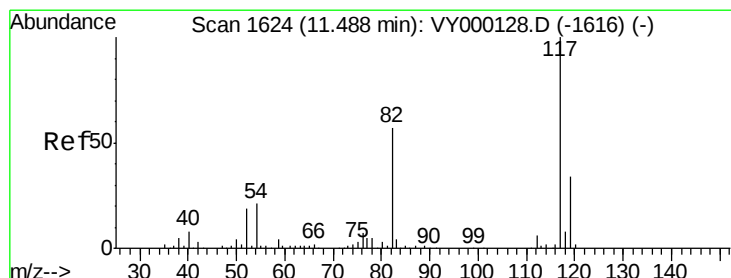
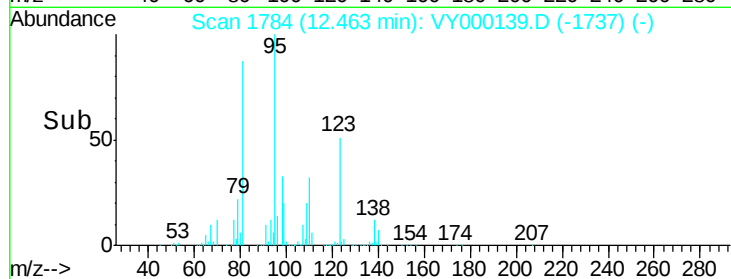
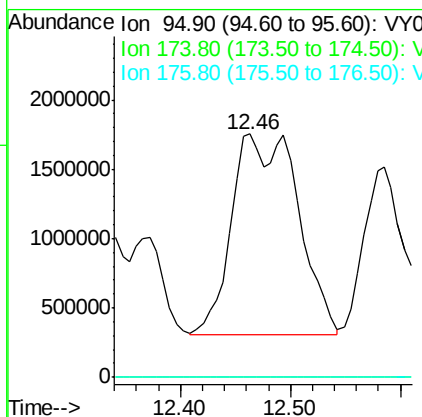
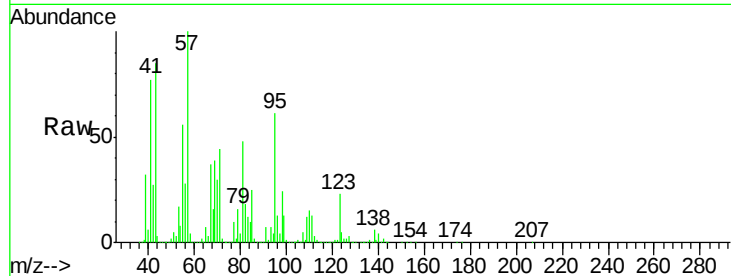
#62
4-Bromofluorobenzene
Concen: 4075.376 ug/l m
RT: 12.46 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VY000139.D
Acq: 23 Sep 2019 18:30

Instrument :
MSVOA_Y
ClientSampled :
SB-9

Tot Ion: 95 Resp: 6041139
Ion Ratio Lower Upper
95 100
174 0.0 0.0 140.8
176 0.0 0.0 135.0

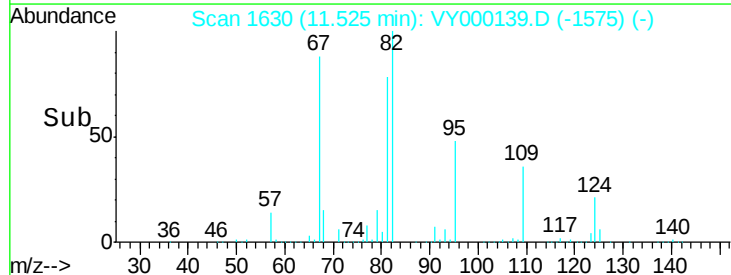
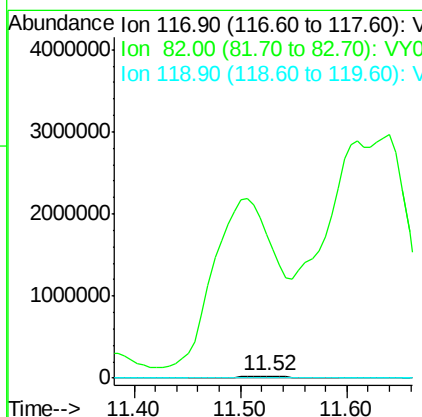
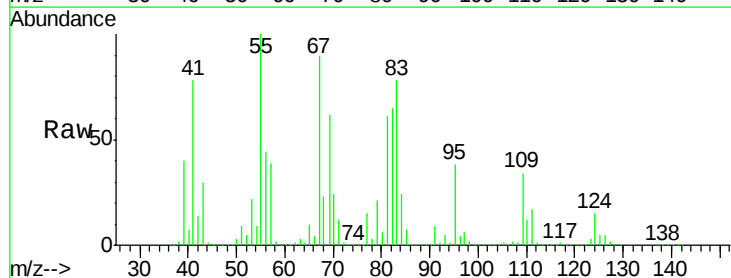
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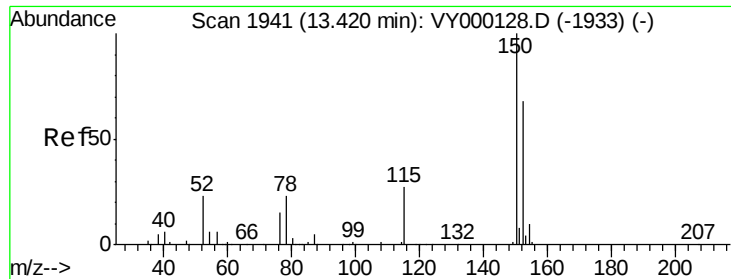
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9/25/2019 12:39:34 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.52 min Scan# 1630
Delta R.T. 0.04 min
Lab File: VY000139.D
Acq: 23 Sep 2019 18:30

Tgt Ion: 117 Resp: 84677
Ion Ratio Lower Upper
117 100
82 5850.1 45.5 68.3#
119 35.6 27.3 40.9





#72

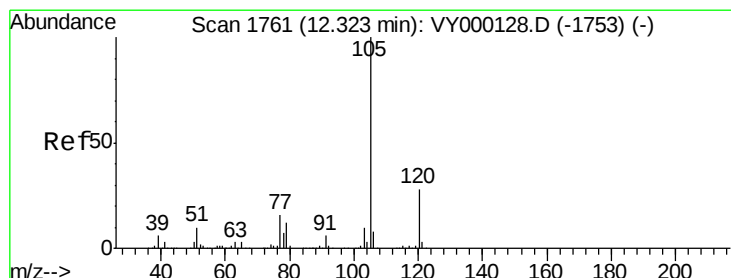
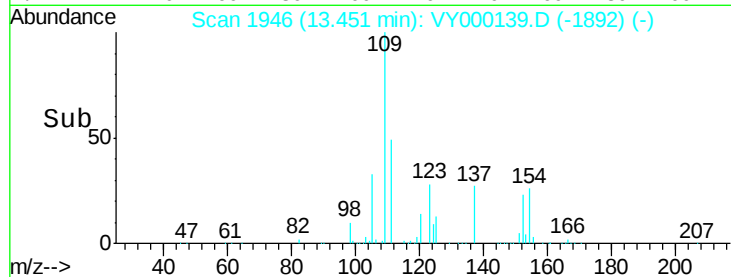
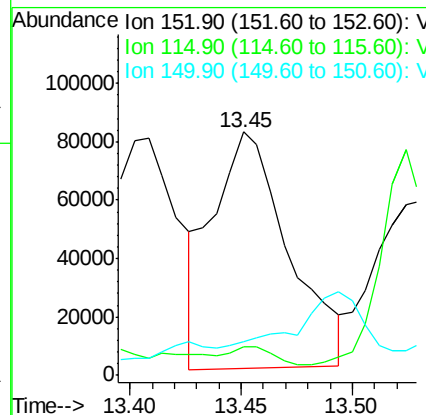
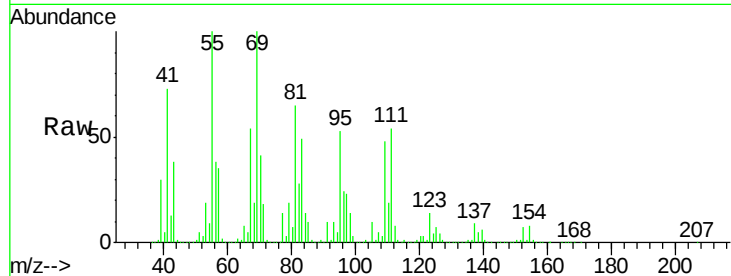
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l m
RT: 13.45 min Scan# 1946
Delta R.T. 0.03 min
Lab File: VY000139.D
Acq: 23 Sep 2019 18:30

Instrument :
MSVOA_Y
ClientSampled :
SB-9

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.1	30.8	92.3
150	4.0	0.0	354.6

Manual Integrations
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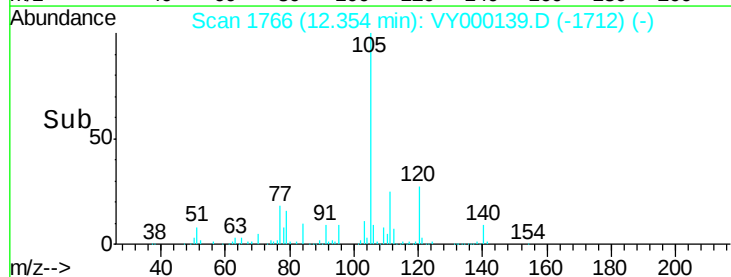
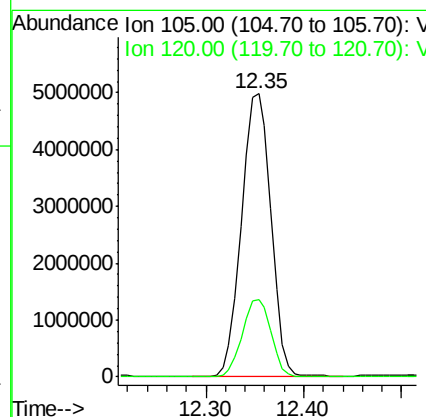
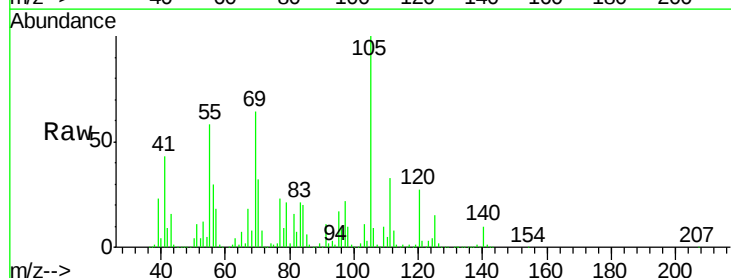
MMDadoda
9/25/2019 12:39:34 AM

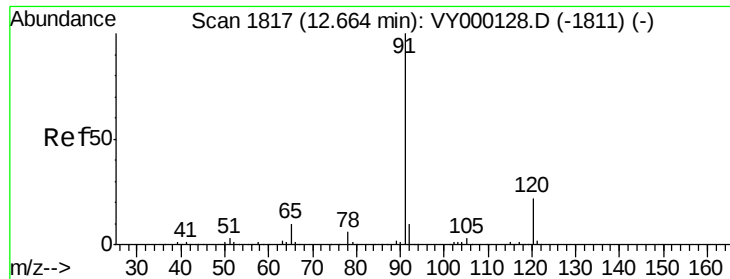


#73

Isopropylbenzene
Concen: 677.585 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. 0.03 min
Lab File: VY000139.D
Acq: 23 Sep 2019 18:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.8	41.3





#78

n-propylbenzene

Concen: 647.178 ug/l

RT: 12.69 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VY000139.D

Acq: 23 Sep 2019 18:30

Instrument :

MSVOA_Y

ClientSampleId :

SB-9

Tot Ion: 91 Resp:12264209

Ion Ratio Lower Upper

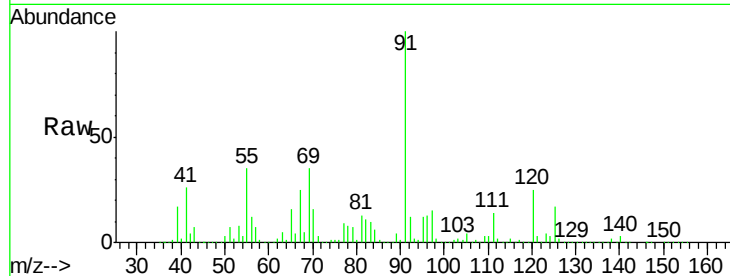
91 100

120 24.3 11.6 34.7

Manual Integrations
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9/25/2019 12:39:34 AM



Abundance Ion 91.00 (90.70 to 91.70): VY000128.D (-1811) (-)

Ion 120.00 (119.70 to 120.70): VY000128.D (-1811) (-)

8000000

6000000

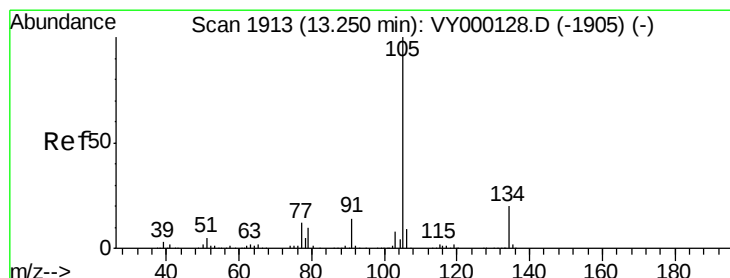
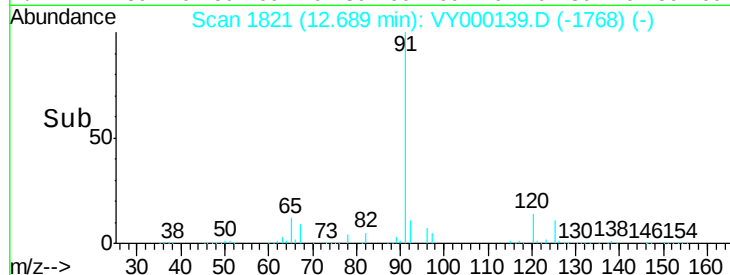
4000000

2000000

0

12.60 12.65 12.70 12.75

Time-->



#85

sec-Butylbenzene

Concen: 304.816 ug/l

RT: 13.26 min Scan# 1914

Delta R.T. 0.01 min

Lab File: VY000139.D

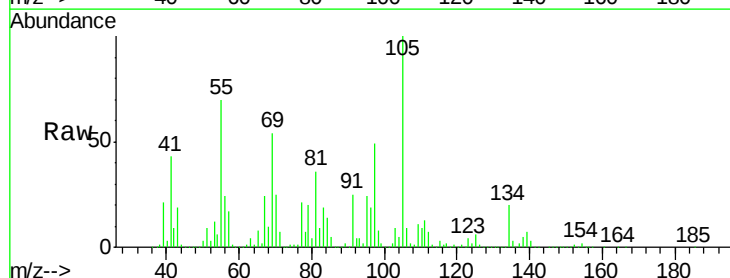
Acq: 23 Sep 2019 18:30

Tgt Ion:105 Resp: 4786224

Ion Ratio Lower Upper

105 100

134 29.3 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): VY000128.D (-1905) (-)

Ion 134.00 (133.70 to 134.70): VY000128.D (-1905) (-)

3000000

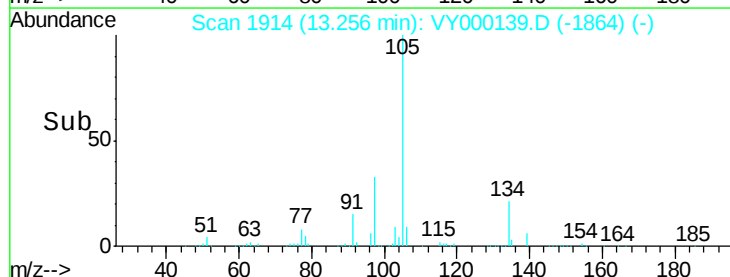
2000000

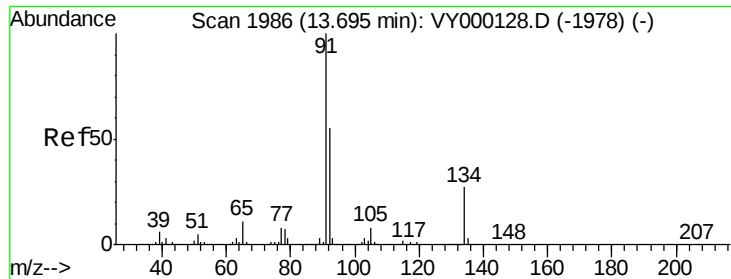
1000000

0

13.20 13.25 13.30

Time-->





#89
 n-Butylbenzene
 Concen: 223.843 ug/l
 RT: 13.69 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VY000139.D
 Acq: 23 Sep 2019 18:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-9

Tot Ion	Ratio	Lower	Upper
91	100		
92	47.8	27.2	81.5
134	0.0	12.9	38.7

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:39:34 AM

