

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020420\
 Data File : VY001496.D
 Acq On : 04 Feb 2020 18:50
 Operator : SY/MD
 Sample : L1329-22
 Misc : 5.05G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 628-629

Manual Integrations
 APPROVED

MMDadoda
 2/5/2020 12:24:02 PM

Quant Time: Feb 05 06:01:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	122015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	214556	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	165488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	47568	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	66845	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	
35) Dibromofluoromethane	7.74	113	64728	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
50) Toluene-d8	10.19	98	235159	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.49	95	69829	37.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.74%	
Target Compounds						
					Qvalue	
16) Acetone	3.98	43	5160	14.520	ug/l	95
25) 2-Butanone	7.00	43	4614	10.008	ug/l #	78
51) 4-Methyl-2-Pentanone	10.08	43	31216	33.693	ug/l	97
68) m/p-Xylenes	11.70	106	5543	2.458	ug/l	98
69) o-Xylene	12.03	106	3427	1.612	ug/l	95
78) n-propylbenzene	12.67	91	8984	2.069	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	9721	3.182	ug/l	96
84) 1,2,4-Trimethylbenzene	13.13	105	41401	13.691	ug/l	97
85) sec-Butylbenzene	13.26	105	6340	1.746	ug/l	90
86) p-Isopropyltoluene	13.38	119	3869	1.209	ug/l	96
89) n-Butylbenzene	13.70	91	10291m	3.260	ug/l	
95) Naphthalene	15.24	128	15269	7.070	ug/l #	83

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

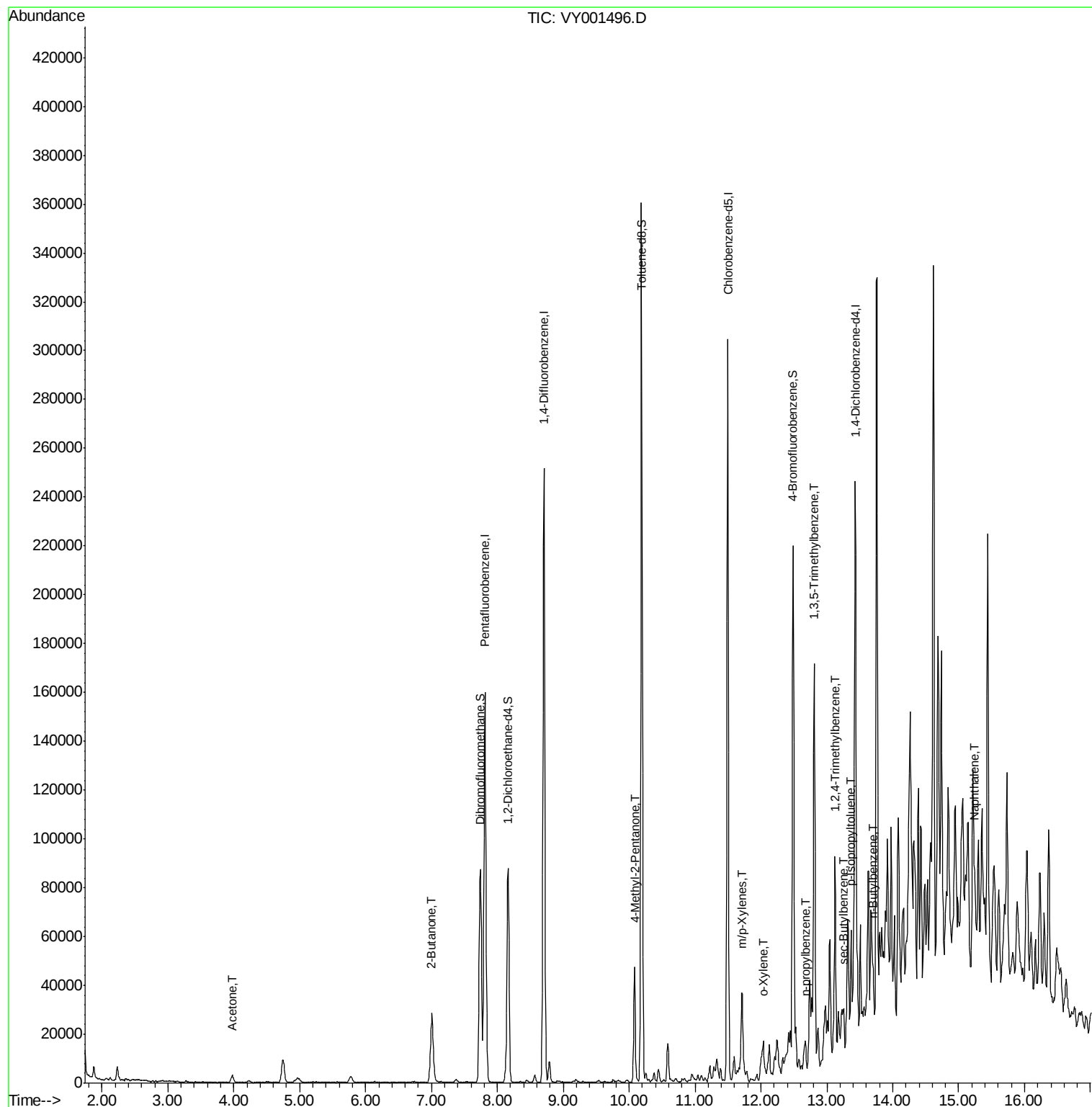
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY020420\
Data File : VY001496.D
Acq On : 04 Feb 2020 18:50
Operator : SY/MD
Sample : L1329-22
Misc : 5.05G/5ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

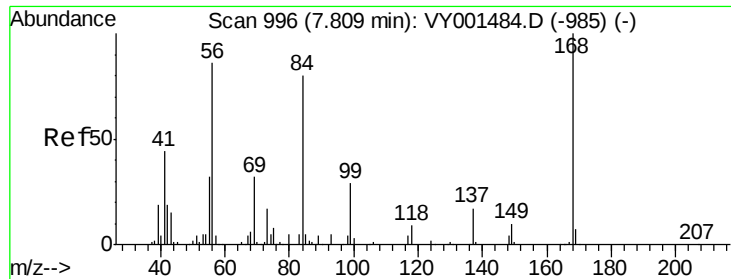
Instrument :
MSVOA_Y
ClientSampleId :
628-629

Manual Integrations
APPROVED

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2/5/2020 12:24:02 PM

Quant Time: Feb 05 06:01:24 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration





#1

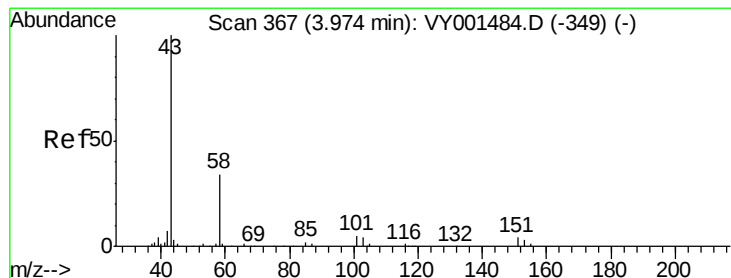
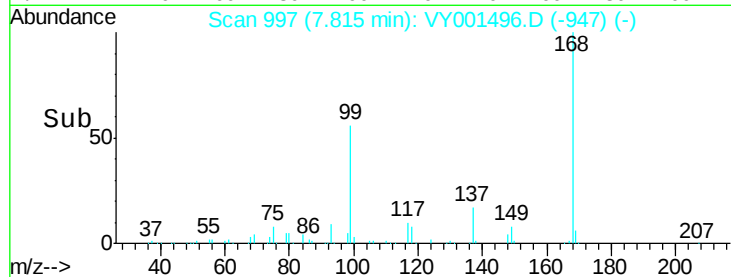
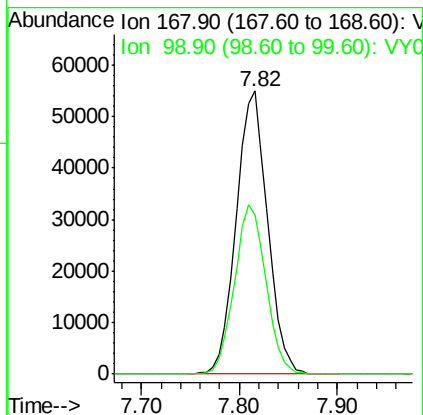
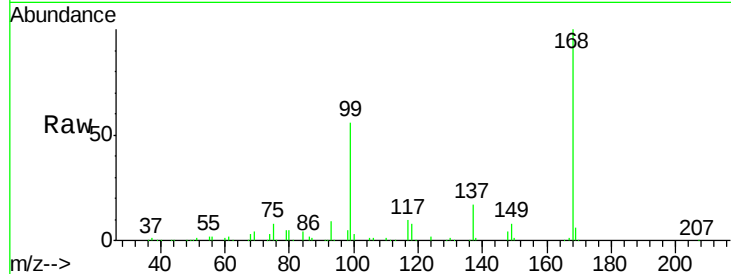
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. 0.01 min
 Lab File: VY001496.D
 Acq: 04 Feb 2020 18:50

Instrument :
 MSVOA_Y
 ClientSampled :
 628-629

Tot Ion	Ratio	Resp	Lower	Upper
168	100	122015		
99	56.1	48.2	72.4	

Manual Integrations
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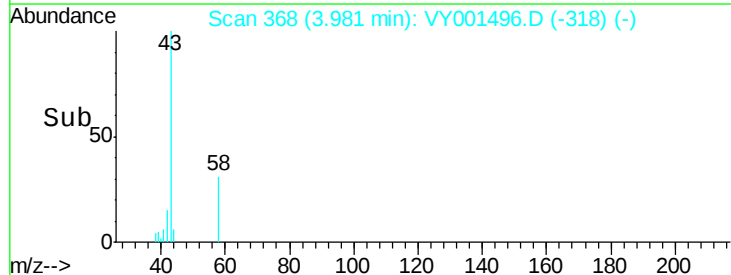
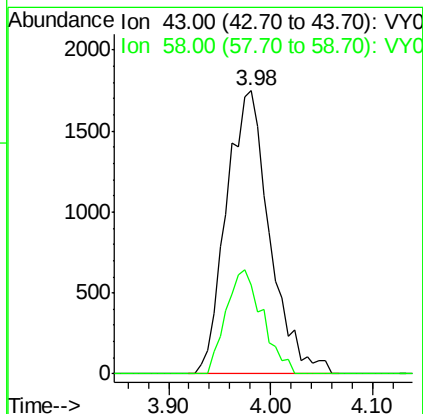
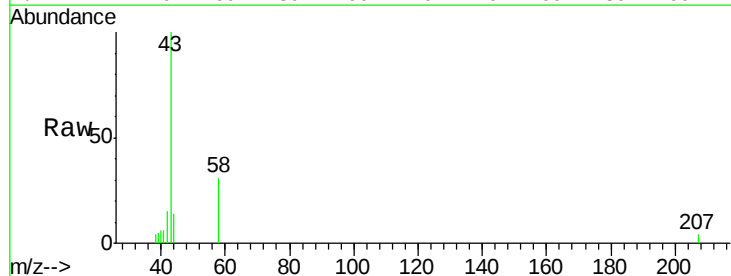
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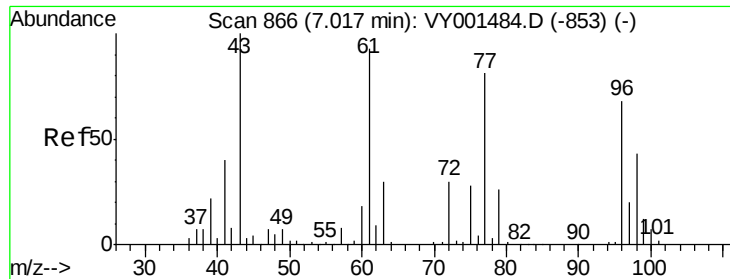


#16

Acetone
 Concen: 14.520 ug/l
 RT: 3.98 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VY001496.D
 Acq: 04 Feb 2020 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	5160		
58	31.4	27.5	41.3	





#25

2-Butanone

Concen: 10.008 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY001496.D

Acq: 04 Feb 2020 18:50

Instrument :

MSVOA_Y

ClientSampleId :

628-629

Tot Ion: 43 Resp: 4614

Ion Ratio Lower Upper

43 100

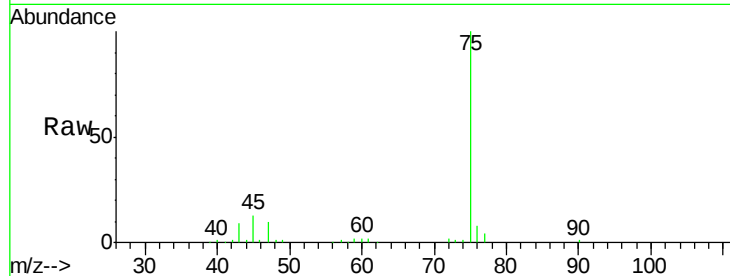
72 17.8 23.8 35.8#

Manual Integrations

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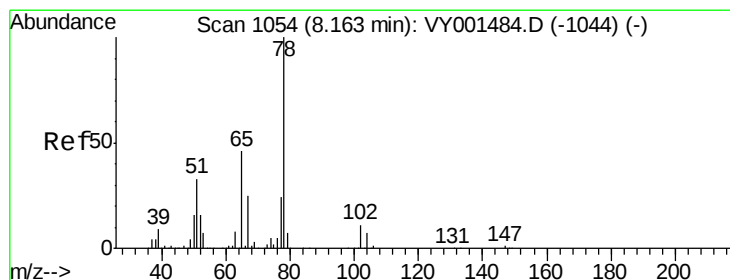
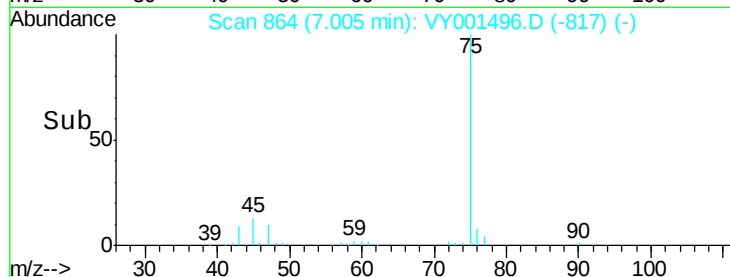
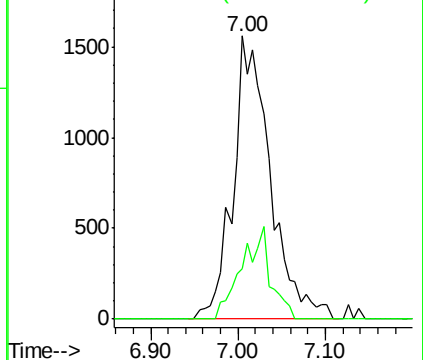
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 54.411 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY001496.D

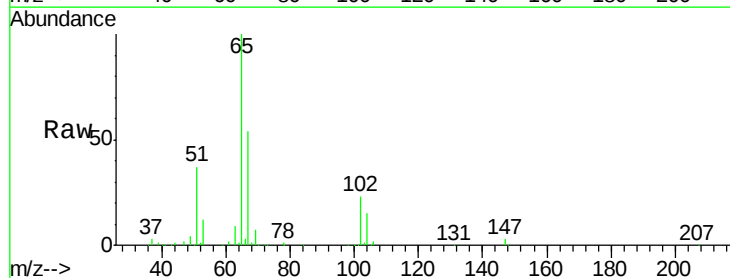
Acq: 04 Feb 2020 18:50

Tgt Ion: 65 Resp: 66845

Ion Ratio Lower Upper

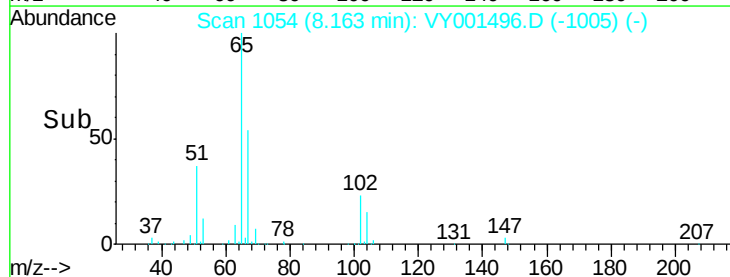
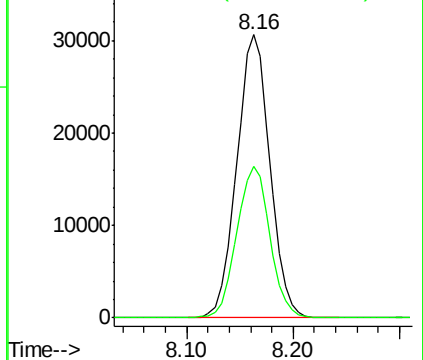
65 100

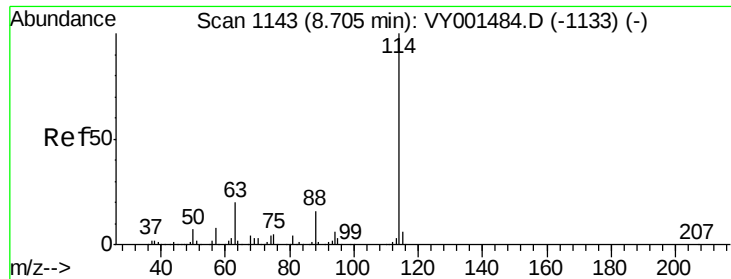
67 53.7 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





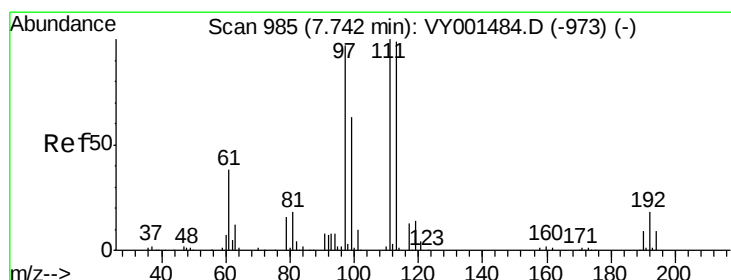
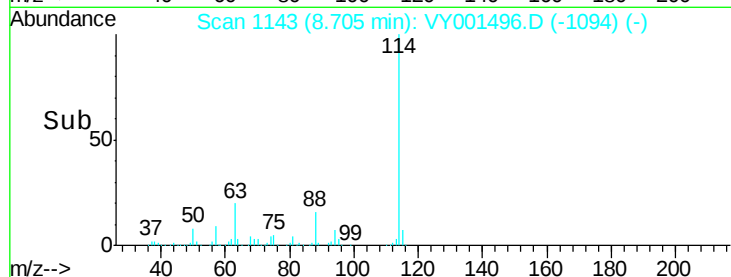
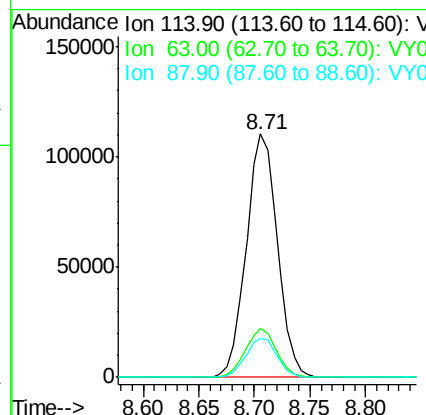
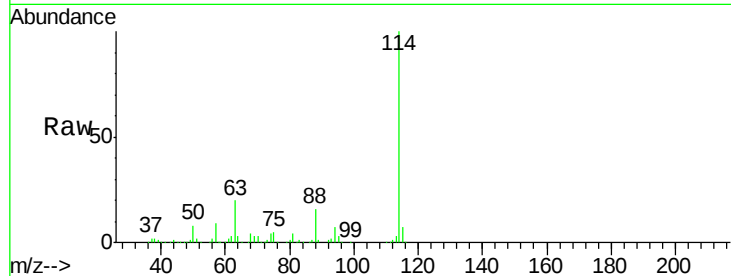
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.71 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VY001496.D
Acq: 04 Feb 2020 18:50

Instrument :
MSVOA_Y
ClientSampleId :
628-629

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	20.1	0.0	39.8
88	15.9	0.0	32.6

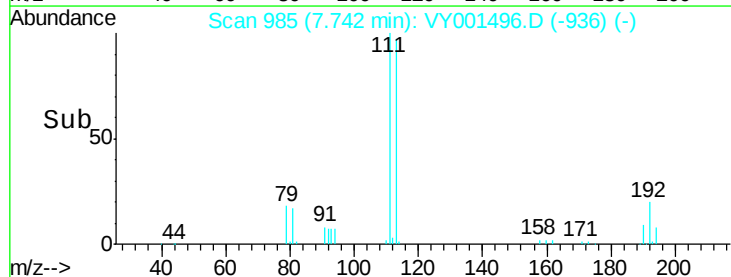
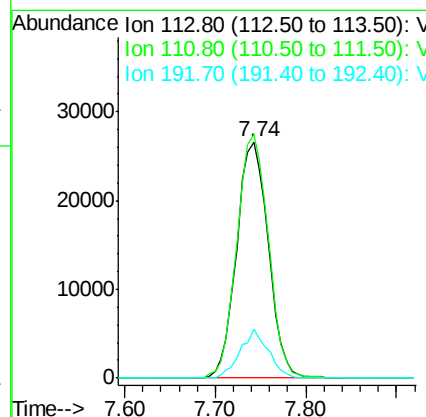
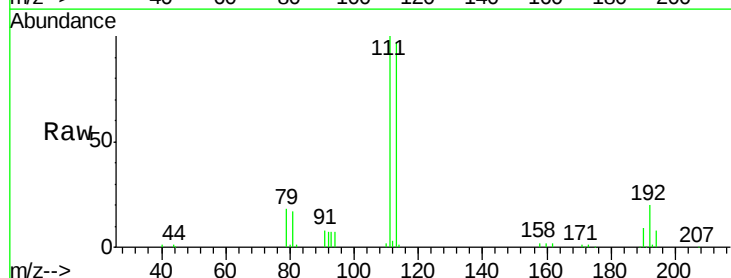
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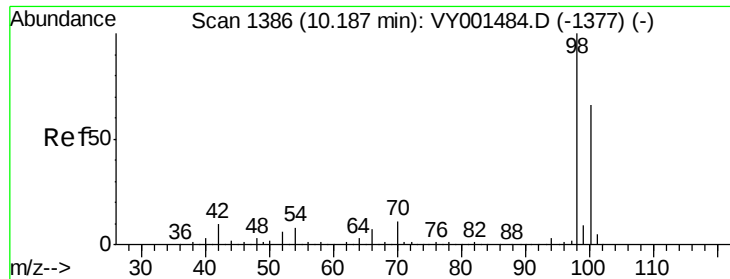
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#35
Dibromofluoromethane
Concen: 52.317 ug/l
RT: 7.74 min Scan# 985
Delta R.T. 0.00 min
Lab File: VY001496.D
Acq: 04 Feb 2020 18:50

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	102.3	82.9	124.3
192	18.4	14.6	22.0





#50

Toluene-d8

Concen: 50.237 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY001496.D

Acq: 04 Feb 2020 18:50

Instrument :

MSVOA_Y

ClientSampled :

628-629

Tot Ion: 98 Resp: 235159

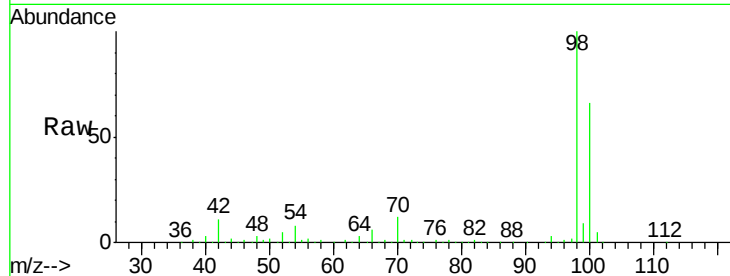
Ion Ratio Lower Upper

98 100

100 65.8 53.0 79.6

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Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.19

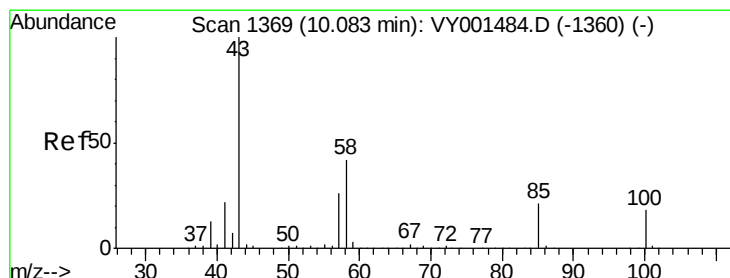
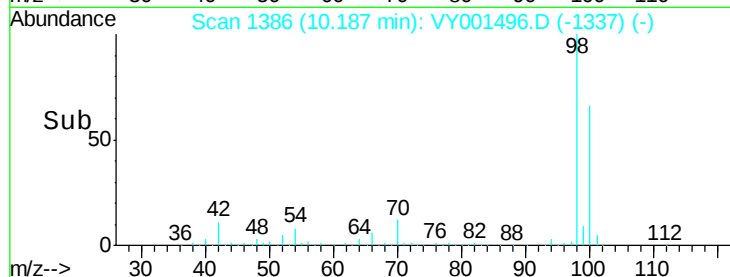
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 33.693 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY001496.D

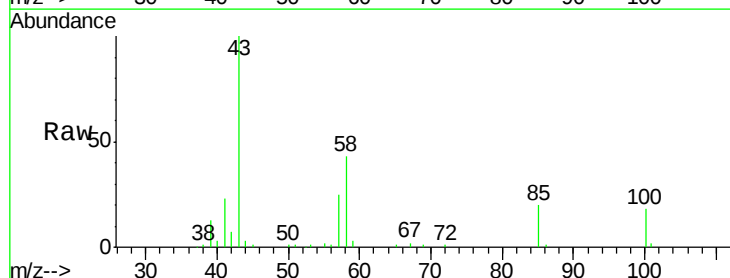
Acq: 04 Feb 2020 18:50

Tgt Ion: 43 Resp: 31216

Ion Ratio Lower Upper

43 100

58 40.6 33.9 50.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

20000

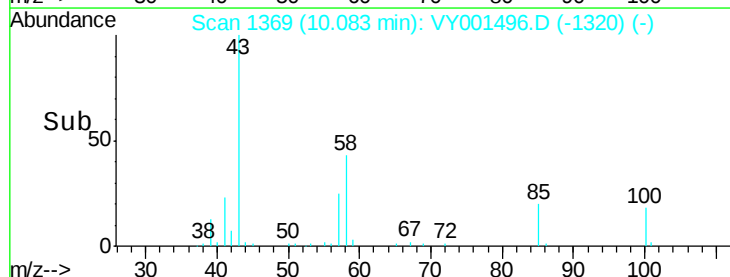
15000

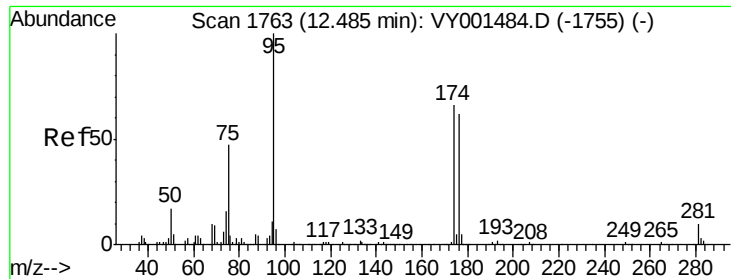
10000

5000

0

Time-->





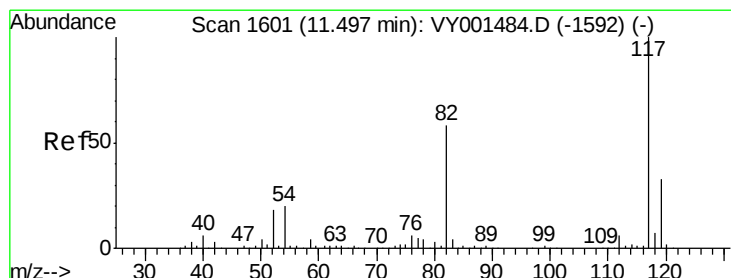
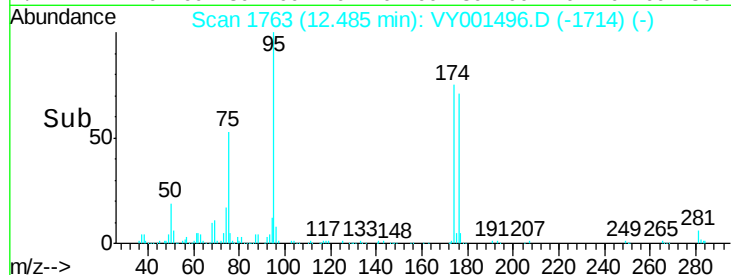
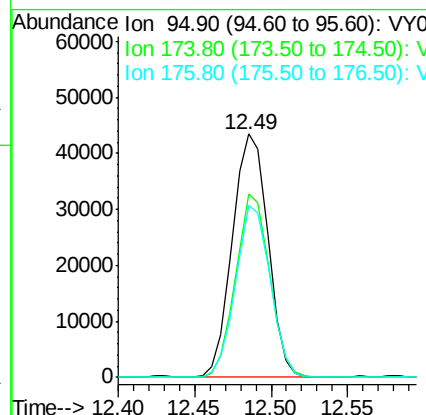
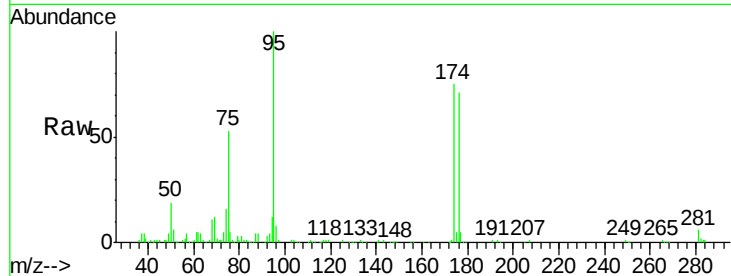
#62
4-Bromofluorobenzene
Concen: 37.867 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VY001496.D
Acq: 04 Feb 2020 18:50

Instrument :
MSVOA_Y
ClientSampleId :
628-629

Tot Ion	Ratio	Resp	Lower	Upper
95	100	69829		
174	72.6	0.0	141.4	
176	68.7	0.0	135.4	

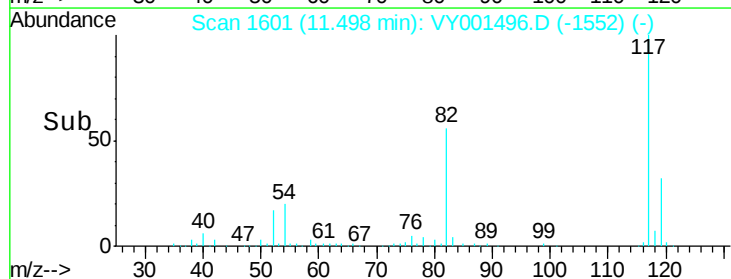
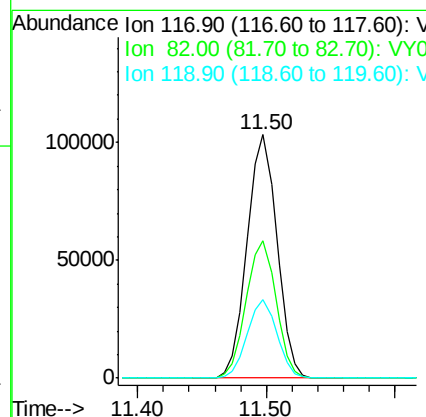
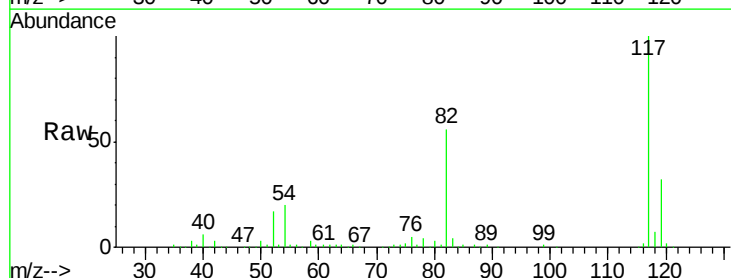
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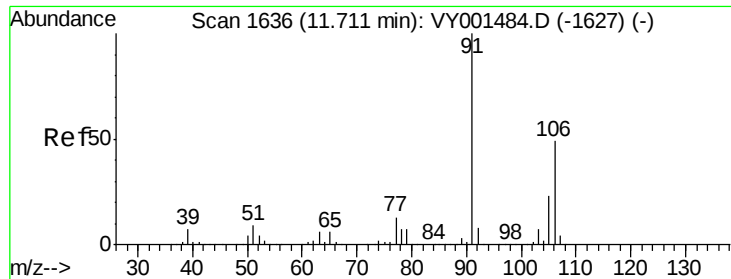
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001496.D
Acq: 04 Feb 2020 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	165488		
82	56.3	46.1	69.1	
119	32.4	26.1	39.1	





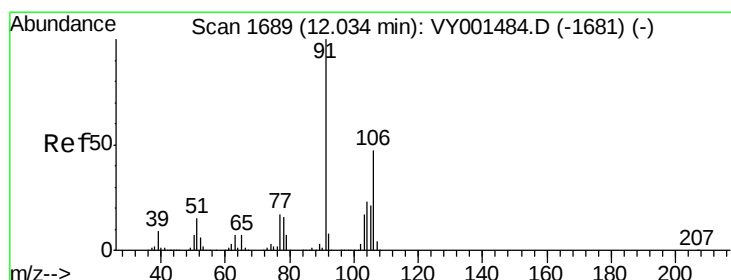
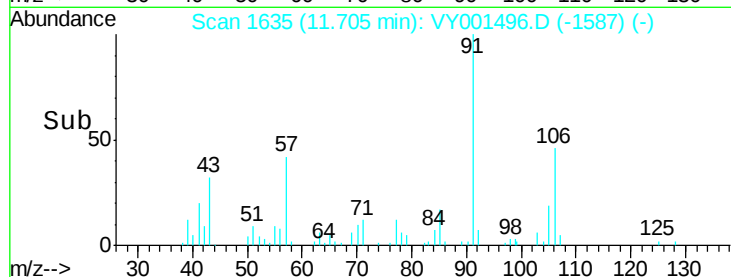
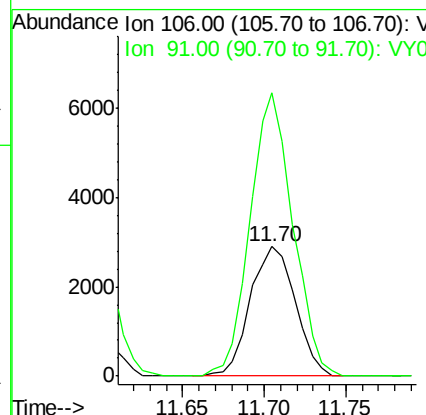
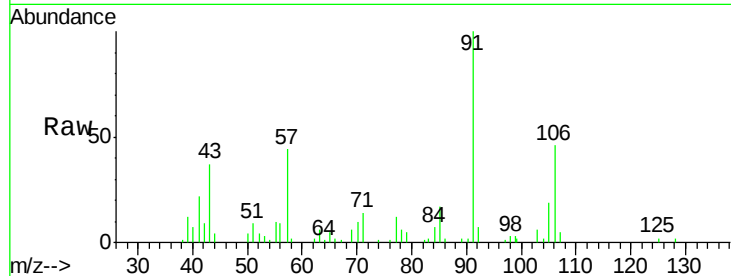
#68
m/p-Xylenes
Concen: 2.458 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001496.D
Acq: 04 Feb 2020 18:50

Instrument :
MSVOA_Y
ClientSampled :
628-629

Tot Ion:106 Resp: 5543
Ion Ratio Lower Upper
106 100
91 207.9 163.6 245.4

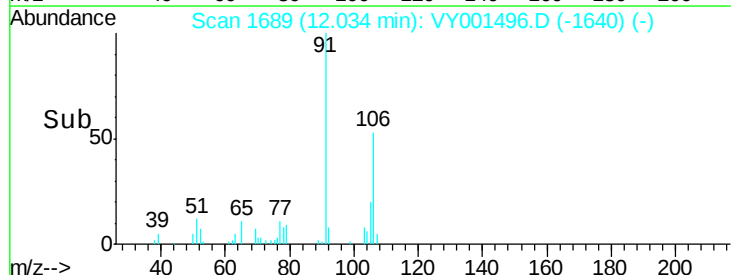
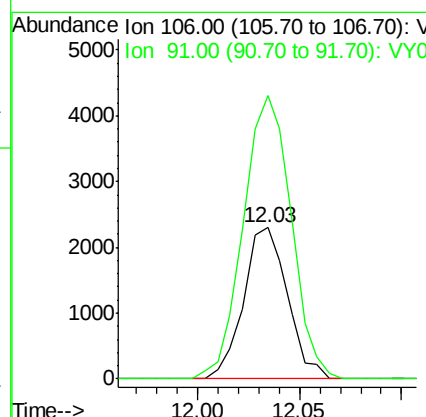
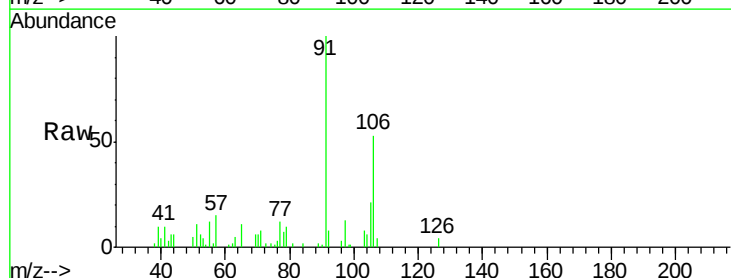
Manual Integrations
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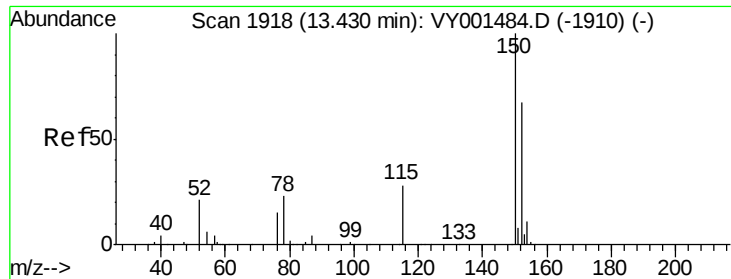
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#69
o-Xylene
Concen: 1.612 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY001496.D
Acq: 04 Feb 2020 18:50

Tgt Ion:106 Resp: 3427
Ion Ratio Lower Upper
106 100
91 204.7 106.0 318.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY001496.D

Acq: 04 Feb 2020 18:50

Instrument :

MSVOA_Y

ClientSampled :

628-629

Tot Ion:152 Resp: 47568

Ion Ratio Lower Upper

152 100

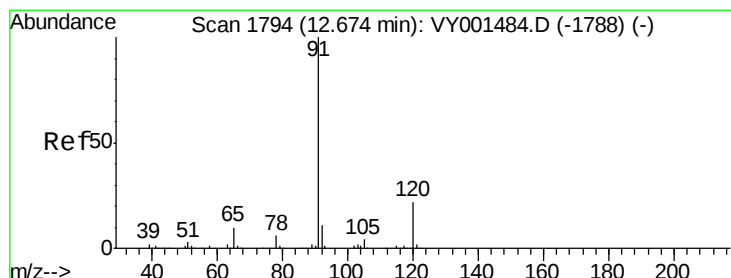
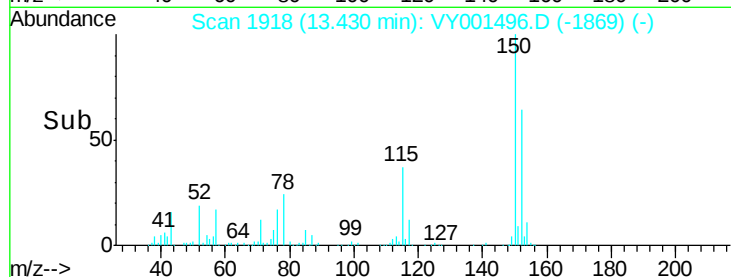
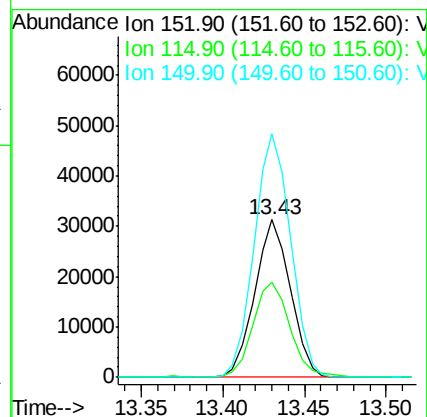
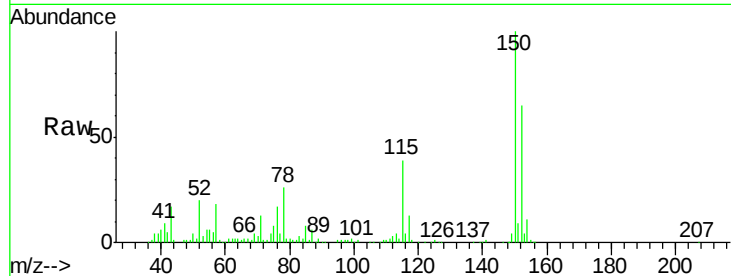
115 63.2 31.4 94.3

150 157.4 0.0 346.8

Manual Integrations
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2/5/2020 12:24:02 PM



#78

n-propylbenzene

Concen: 2.069 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.00 min

Lab File: VY001496.D

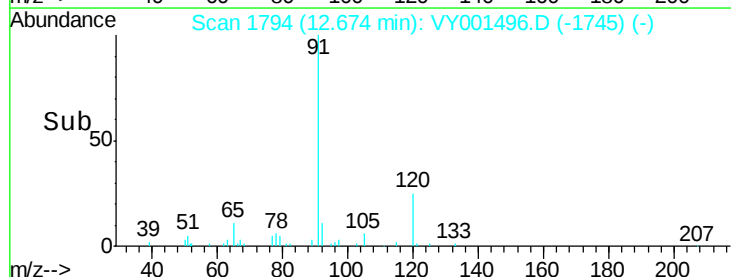
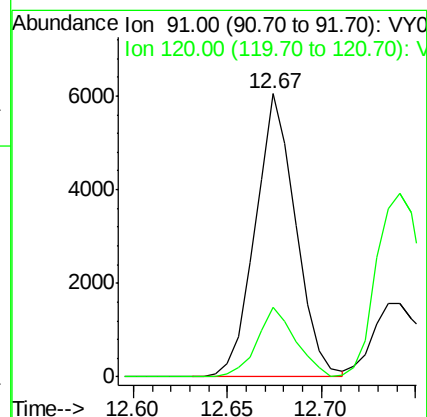
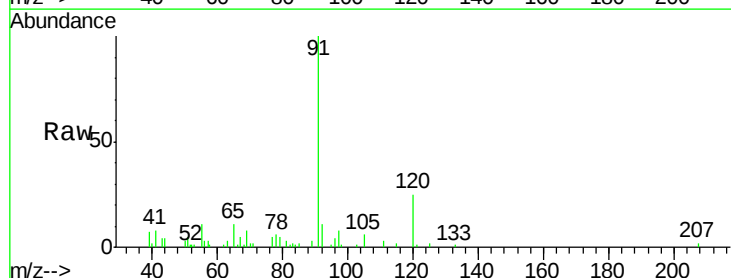
Acq: 04 Feb 2020 18:50

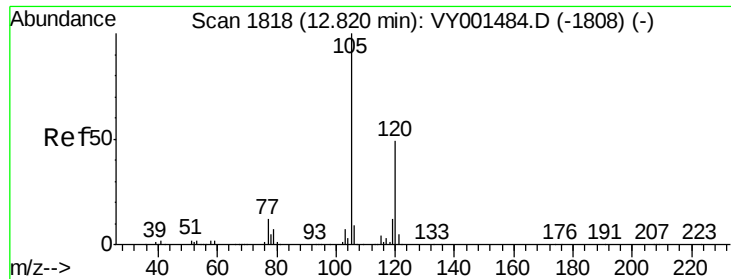
Tgt Ion: 91 Resp: 8984

Ion Ratio Lower Upper

91 100

120 23.5 11.4 34.2





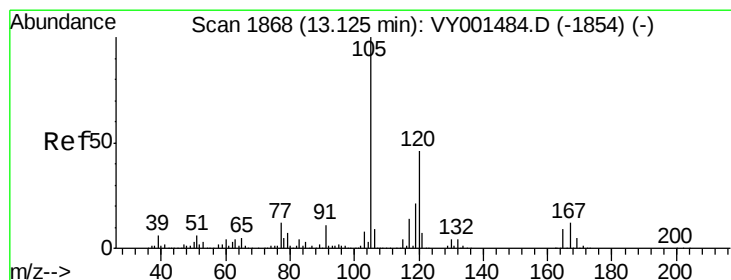
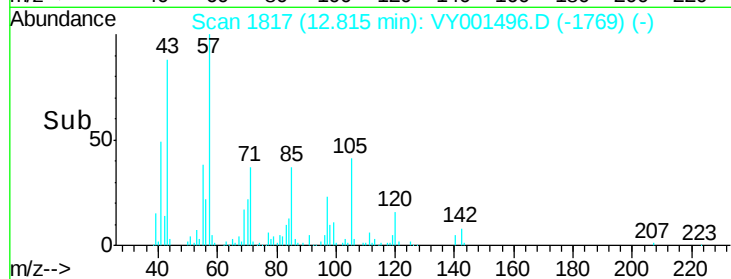
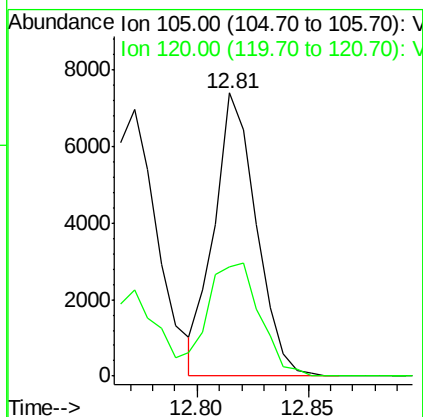
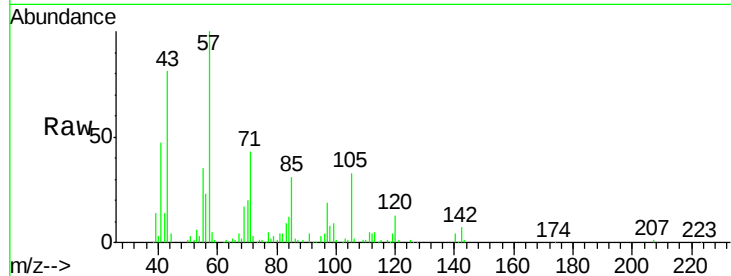
#80
 1,3,5-Trimethylbenzene
 Concen: 3.182 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: VY001496.D
 Acq: 04 Feb 2020 18:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 628-629

Tot Ion:105 Resp: 9721
 Ion Ratio Lower Upper
 105 100
 120 50.5 24.1 72.2

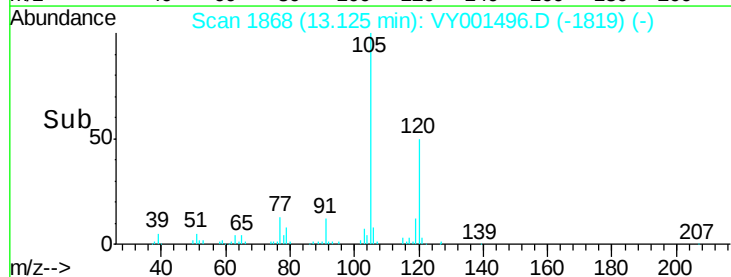
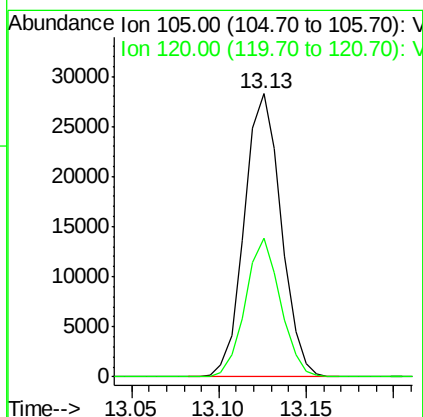
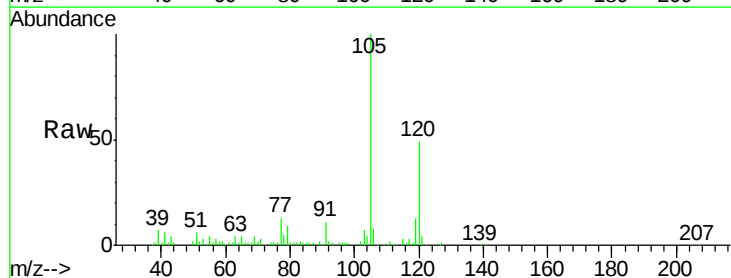
Manual Integrations
 APPROVED

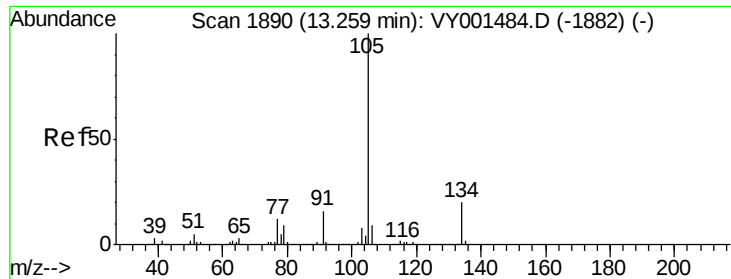
MMDadoda
 2/5/2020 12:24:02 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 13.691 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VY001496.D
 Acq: 04 Feb 2020 18:50

Tgt Ion:105 Resp: 41401
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.4 67.0





#85

sec-Butylbenzene

Concen: 1.746 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VY001496.D

Acq: 04 Feb 2020 18:50

Instrument :

MSVOA_Y

ClientSampled :

628-629

Tot Ion:105 Resp: 6340

Ion Ratio Lower Upper

105 100

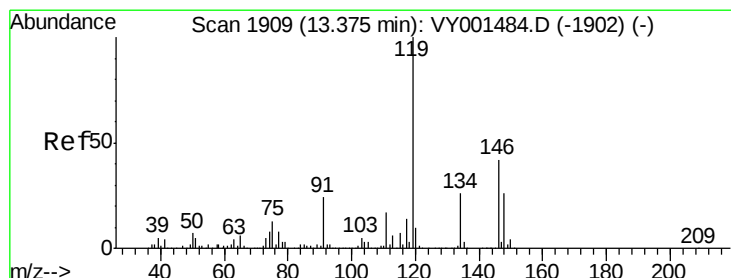
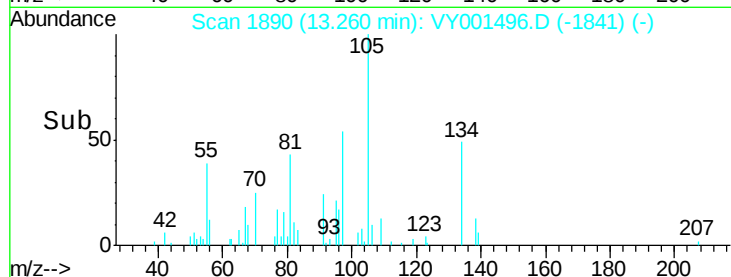
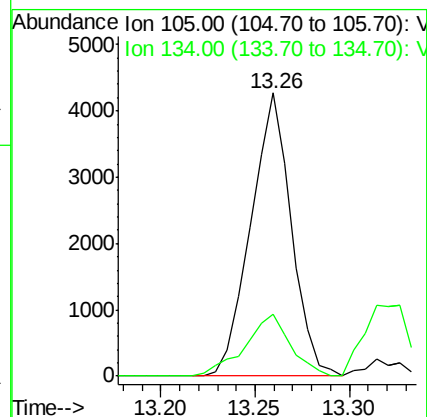
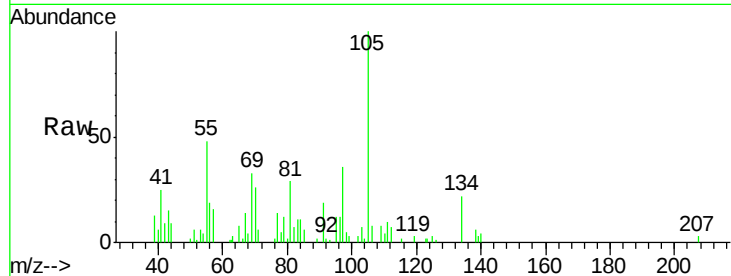
134 24.7 10.0 29.8

Manual Integrations

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2/5/2020 12:24:02 PM



#86

p-Isopropyltoluene

Concen: 1.209 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001496.D

Acq: 04 Feb 2020 18:50

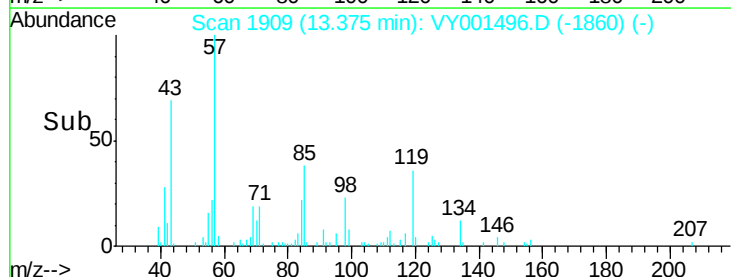
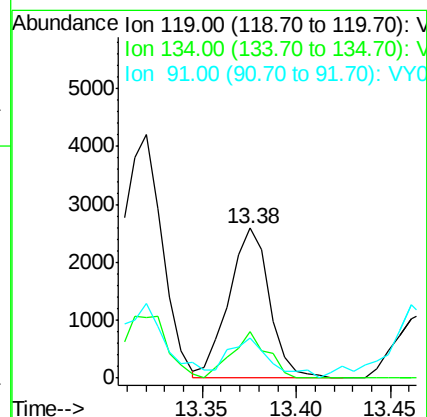
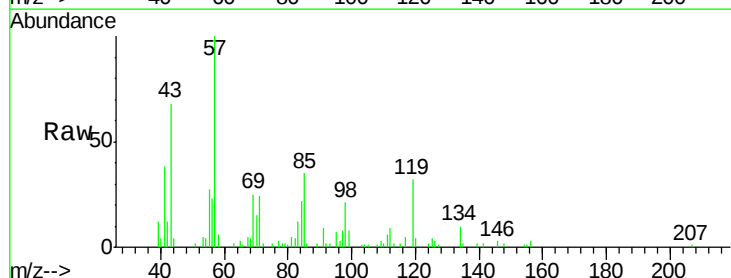
Tgt Ion:119 Resp: 3869

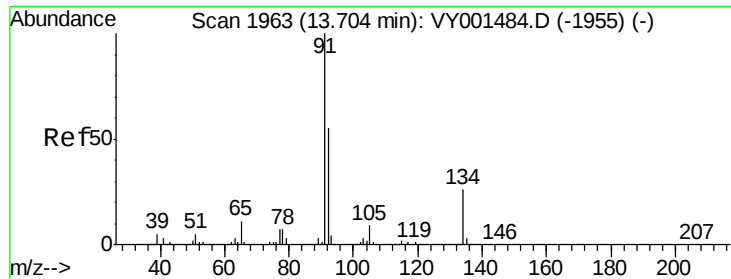
Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.8

91 27.8 12.2 36.6





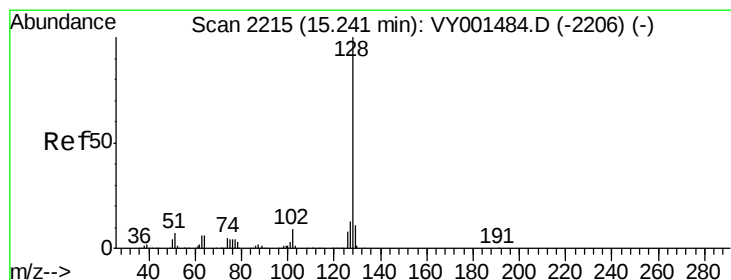
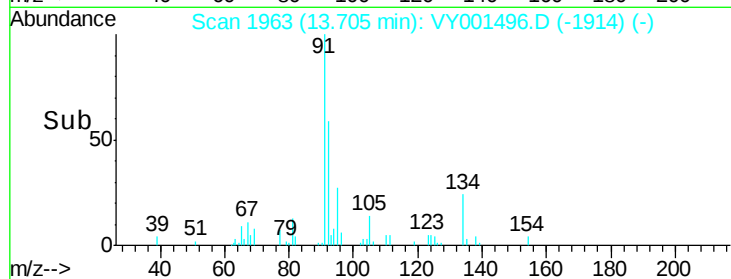
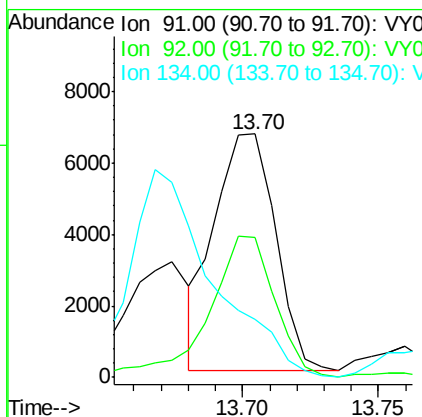
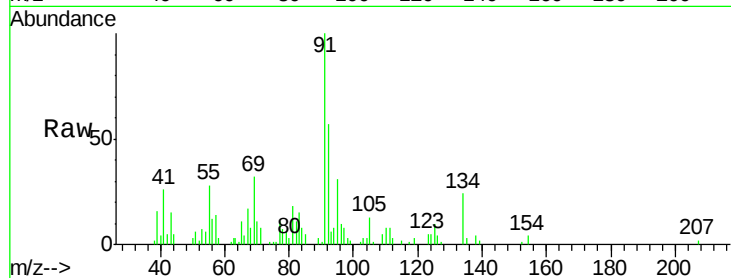
#89
n-Butylbenzene
Concen: 3.260 ug/l m
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001496.D
Acq: 04 Feb 2020 18:50

Instrument :
MSVOA_Y
ClientSampled :
628-629

Tot Ion	Ratio	Lower	Upper
91	100		
92	64.7	27.3	81.9
134	0.0	13.0	38.9#

Manual Integrations
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2/5/2020 12:24:02 PM



#95
Naphthalene
Concen: 7.070 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001496.D
Acq: 04 Feb 2020 18:50

Tgt Ion	Ratio	Lower	Upper
128	100		
127	20.6	10.1	15.1#
129	16.2	8.9	13.3#

