

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052020\
 Data File : VY002727.D
 Acq On : 20 May 2020 13:30
 Operator : SY/MD
 Sample : L2665-01RE
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 0374-COMP-MP-ARE

Manual Integrations
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 5/21/2020 1:19:27 PM

Quant Time: May 21 09:17:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 16 04:52:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	177233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	274383	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	188889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	96222	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	77209	55.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.38%	
35) Dibromofluoromethane	7.72	113	82839	54.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.42%	
50) Toluene-d8	10.18	98	671703	110.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	220.36%	
62) 4-Bromofluorobenzene	12.47	95	207515	99.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.06%	
Target Compounds						
					Qvalue	
16) Acetone	3.96	43	64082	224.230	ug/l	89
17) Carbon Disulfide	4.21	76	17660	3.622	ug/l	95
25) 2-Butanone	7.00	43	37553	79.419	ug/l #	77
31) Cyclohexane	7.79	56	1240141	462.121	ug/l	88
39) Methylcyclohexane	9.19	83	5337753	1709.038	ug/l	96
40) Benzene	8.17	78	50744	7.487	ug/l	97
67) Ethyl Benzene	11.60	91	516066	80.525	ug/l	100
68) m/p-Xylenes	11.70	106	211943	85.004	ug/l	94
69) o-Xylene	12.03	106	161319	68.934	ug/l	93
73) Isopropylbenzene	12.33	105	514975	81.906	ug/l	99
78) n-propylbenzene	12.67	91	690126	94.356	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	698565	132.230	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	1870047	354.191	ug/l	99
85) sec-Butylbenzene	13.25	105	405529	62.856	ug/l #	74
86) p-Isopropyltoluene	13.37	119	529407	87.664	ug/l	93
89) n-Butylbenzene	13.70	91	308590m	55.644	ug/l	
95) Naphthalene	15.23	128	477005	127.427	ug/l #	80

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

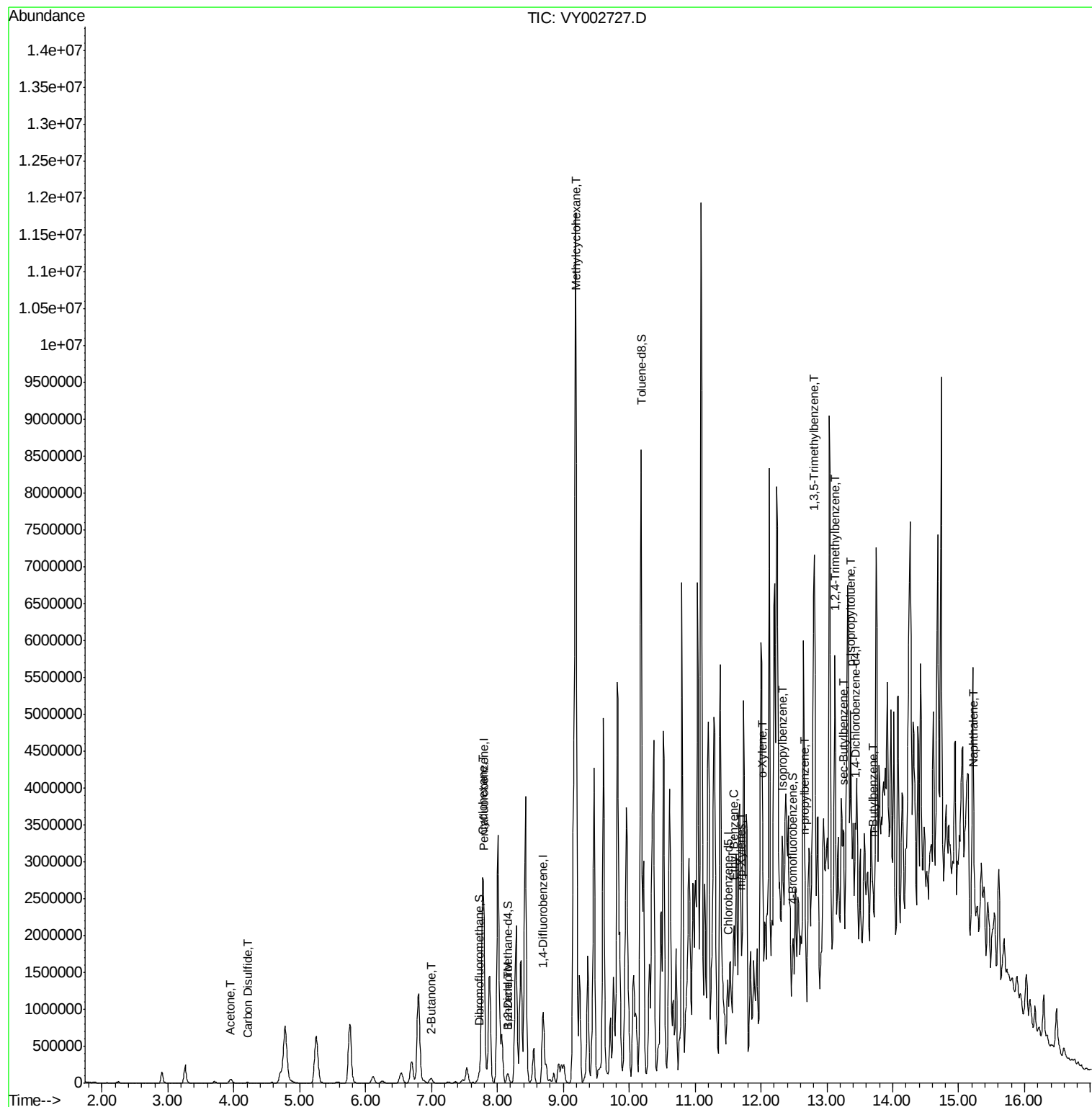
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY052020\
Data File : VY002727.D
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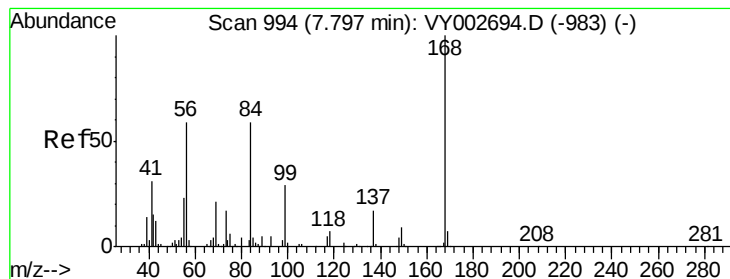
Instrument :
MSVOA_Y
ClientSampleId :
0374-COMP-MP-ARE

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Quant Time: May 21 09:17:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
Quant Title : SW846 8260
QLast Update : Sat May 16 04:52:36 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

0374-COMP-MP-ARE

Tot Ion:168 Resp: 177233

Ion Ratio Lower Upper

168 100

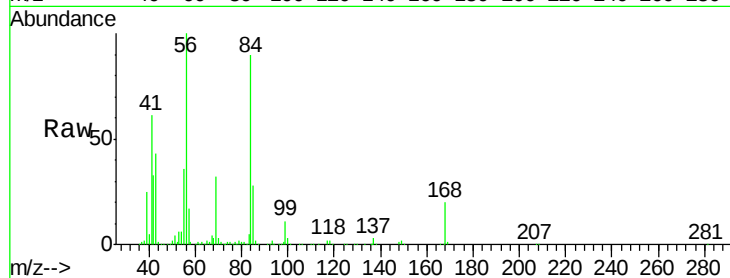
99 52.5 39.2 58.8

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Abundance Ion 167.90 (167.60 to 168.60): VY002727.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002727.D (-945) (-)

7.80

80000

60000

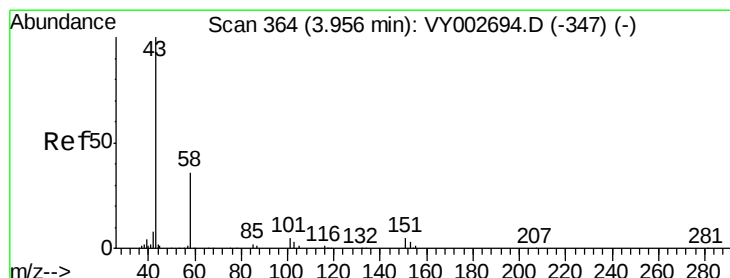
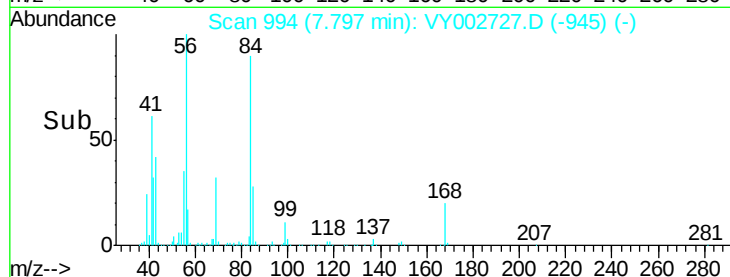
40000

20000

0

7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 224.230 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY002727.D

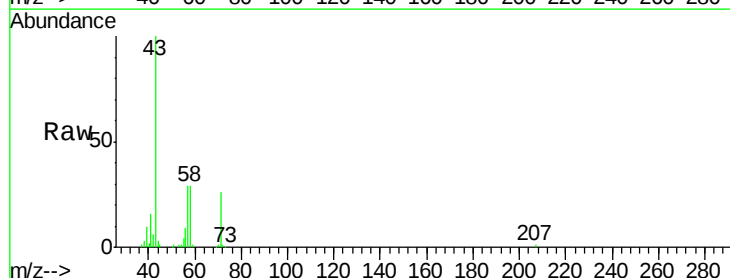
Acq: 20 May 2020 13:30

Tgt Ion: 43 Resp: 64082

Ion Ratio Lower Upper

43 100

58 29.1 28.6 43.0



Abundance Ion 43.00 (42.70 to 43.70): VY002727.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VY002727.D (-315) (-)

3.96

25000

20000

15000

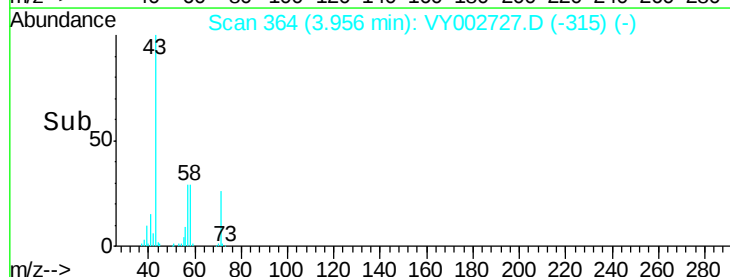
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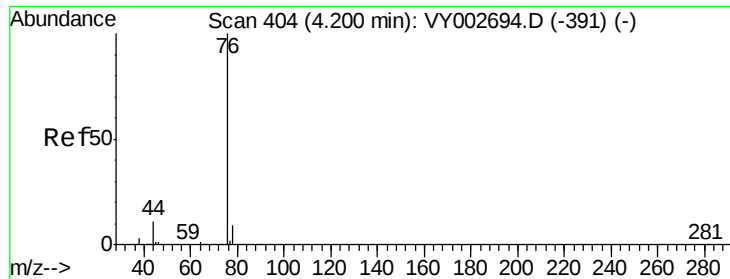
5000

0

3.80 3.90 4.00 4.10

Time-->





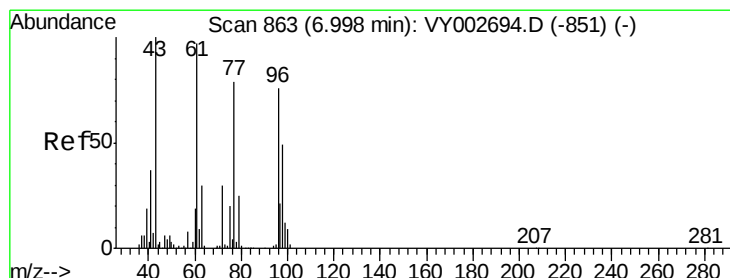
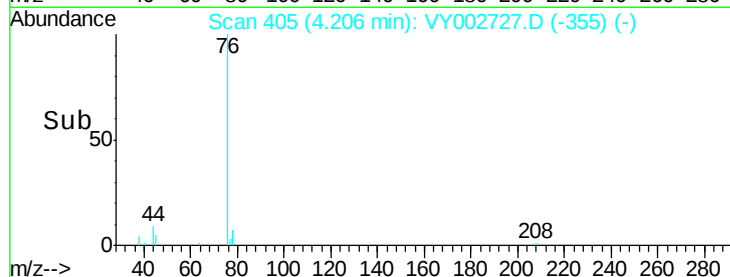
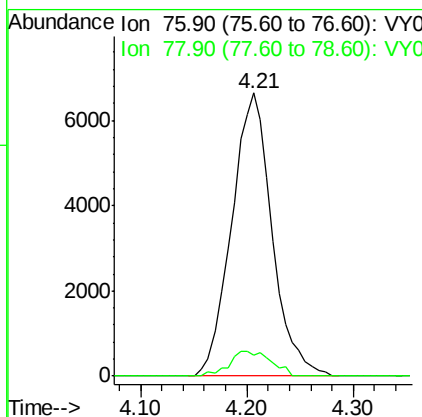
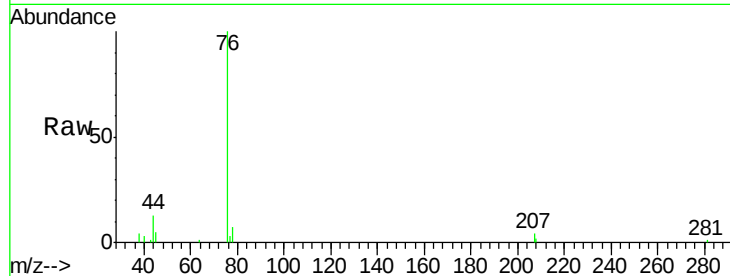
#17
Carbon Disulfide
Concen: 3.622 ug/l
RT: 4.21 min Scan# 405
Delta R.T. 0.01 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

Instrument :
MSVOA_Y
ClientSampleId :
0374-COMP-MP-ARE

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.3	7.1	10.7

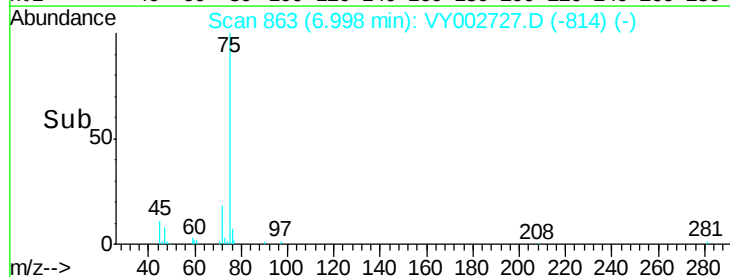
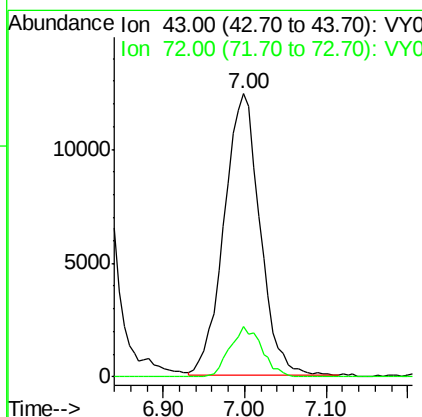
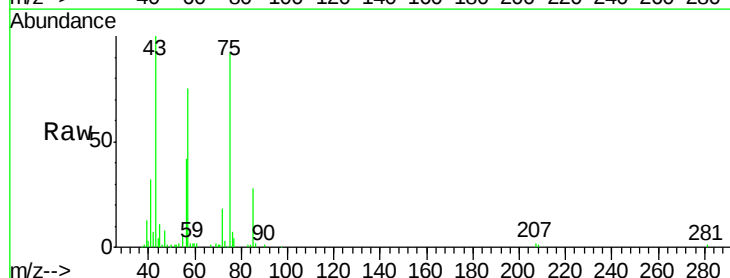
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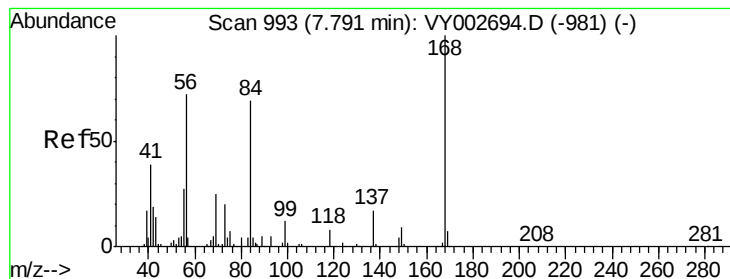
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#25
2-Butanone
Concen: 79.419 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

Tgt Ion	Ratio	Lower	Upper
43	100		
72	17.9	24.1	36.1#





#31

Cyclohexane

Concen: 462.121 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

0374-COMP-MP-ARE

Tot Ion: 56 Resp: 1240141

Ion Ratio Lower Upper

56 100

69 27.8 27.7 41.5

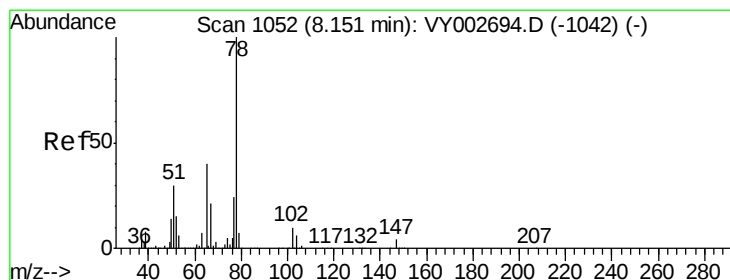
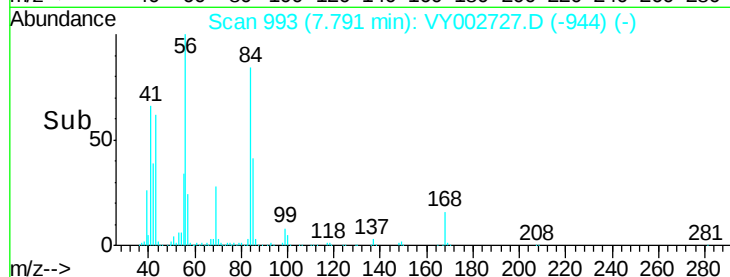
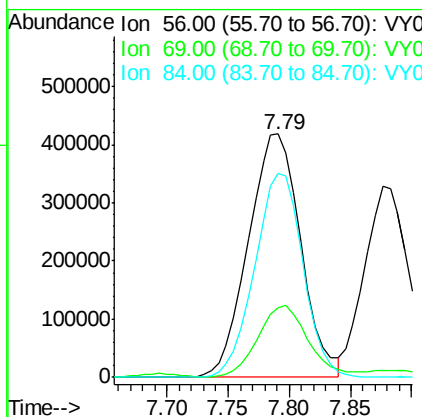
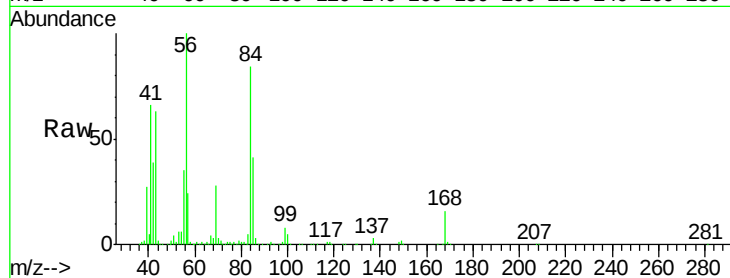
84 83.8 77.0 115.4

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#33

1,2-Dichloroethane-d4

Concen: 55.693 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY002727.D

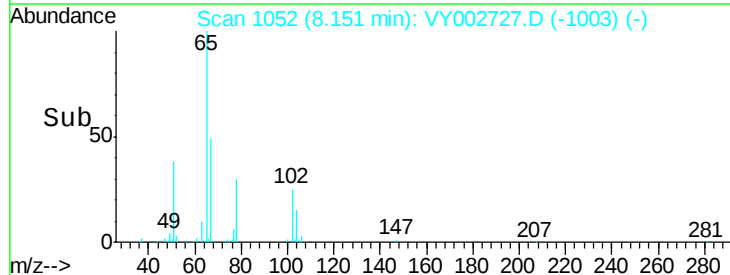
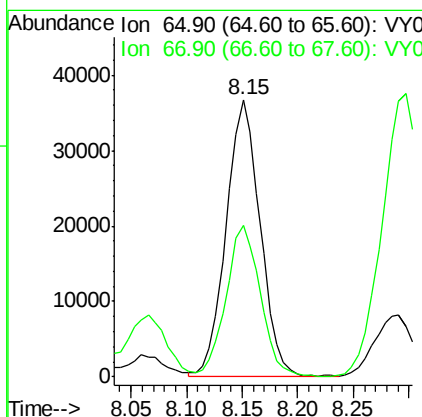
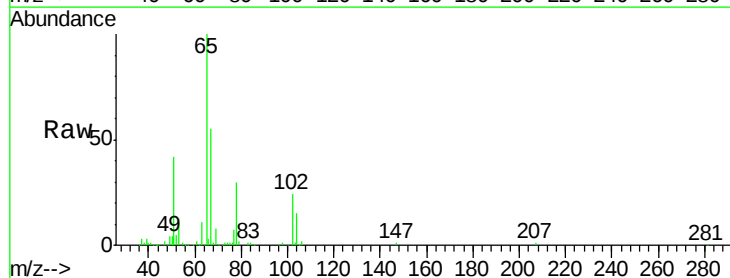
Acq: 20 May 2020 13:30

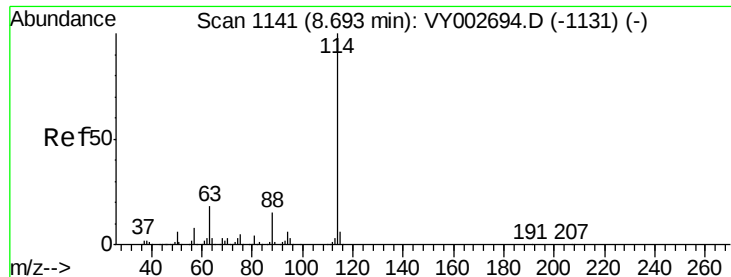
Tgt Ion: 65 Resp: 77209

Ion Ratio Lower Upper

65 100

67 54.7 0.0 109.0





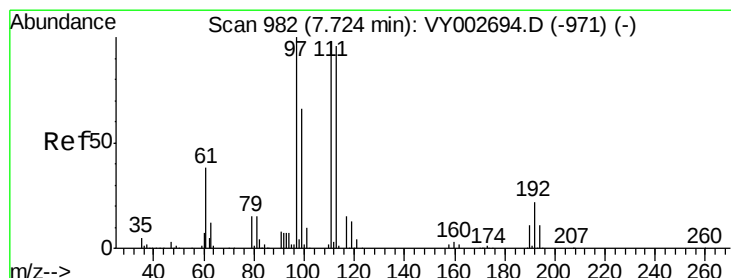
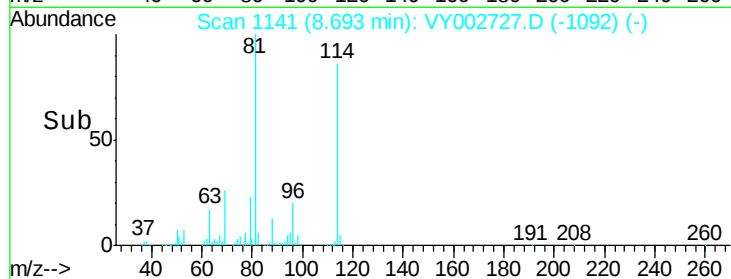
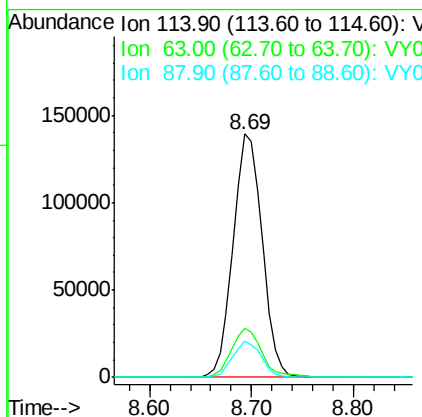
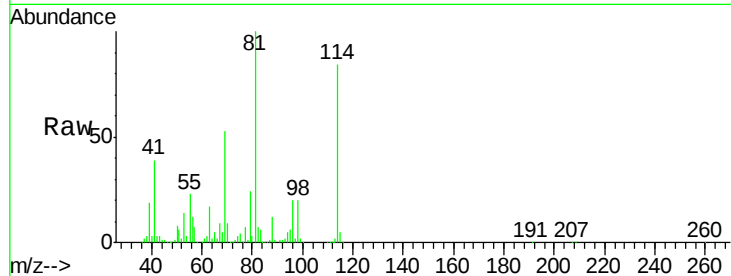
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002727.D
 Acq: 20 May 2020 13:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 0374-COMP-MP-ARE

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	20.1	0.0	35.4
88	14.7	0.0	29.4

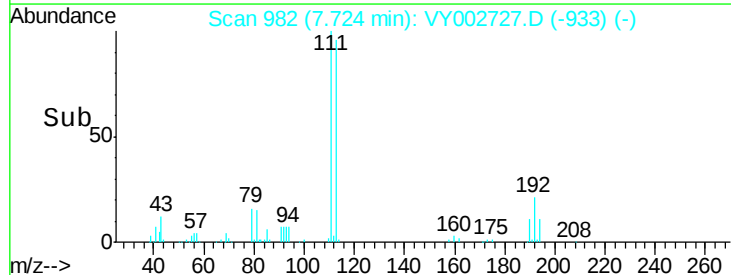
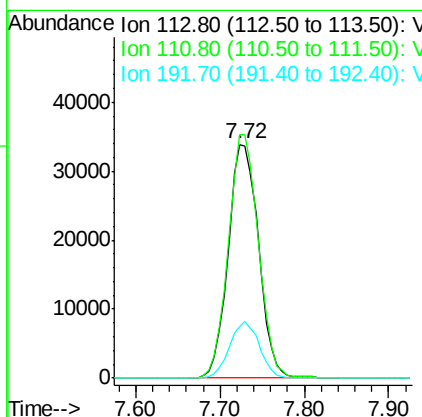
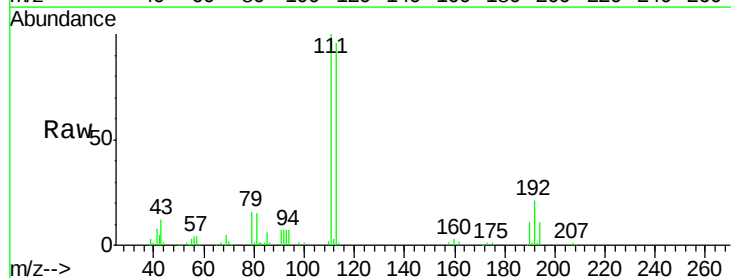
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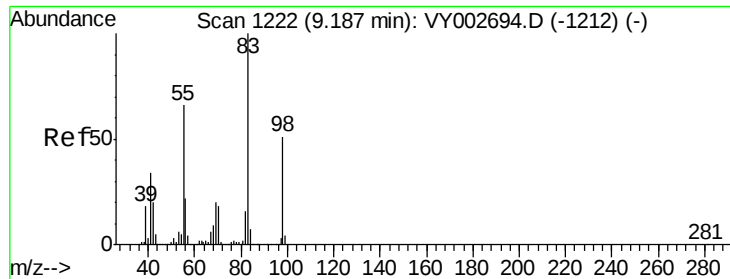
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#35
 Dibromofluoromethane
 Concen: 54.706 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY002727.D
 Acq: 20 May 2020 13:30

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	103.0	81.9	122.9
192	23.6	18.6	27.8





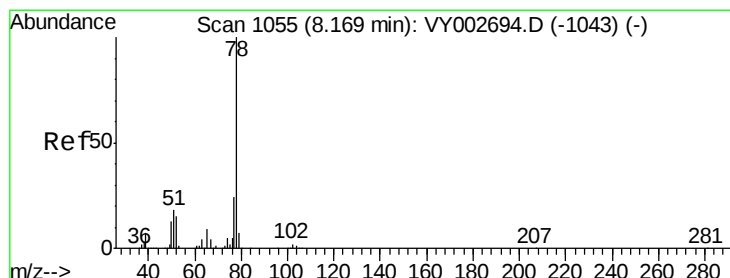
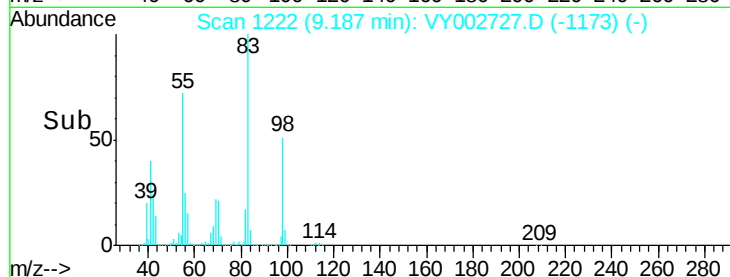
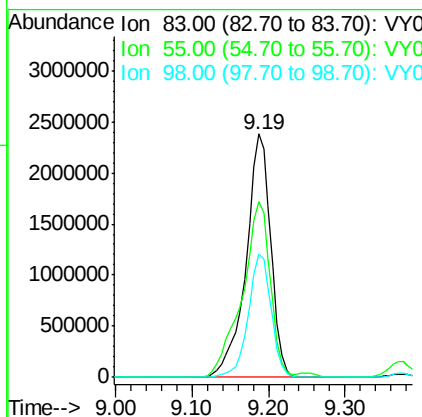
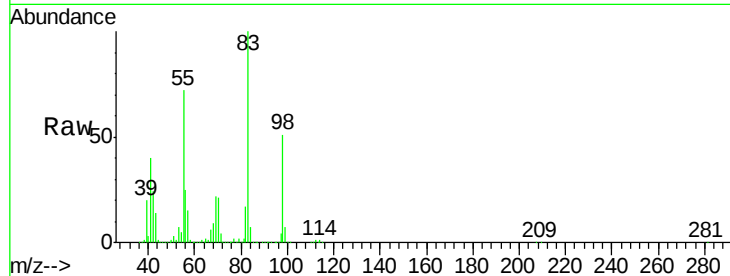
#39
Methvlcvclohexane
Concen: 1709.038 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

Instrument :
MSVOA_Y
ClientSampleId :
0374-COMP-MP-ARE

Tot Ion: 83 Resp: 5337753
Ion Ratio Lower Upper
83 100
55 72.1 53.0 79.6
98 50.9 40.8 61.2

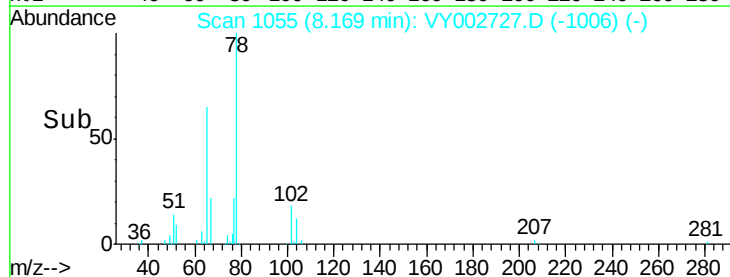
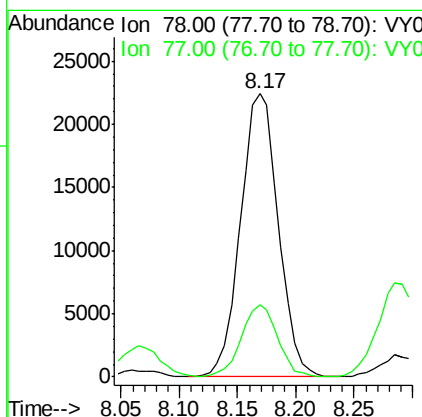
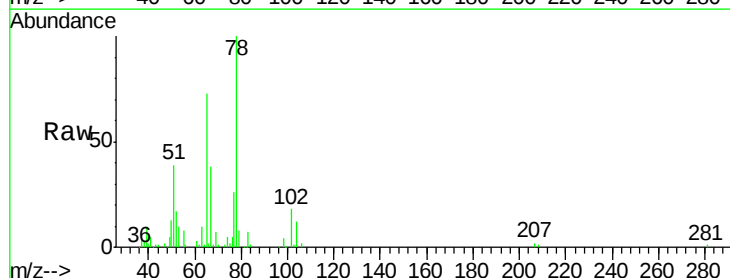
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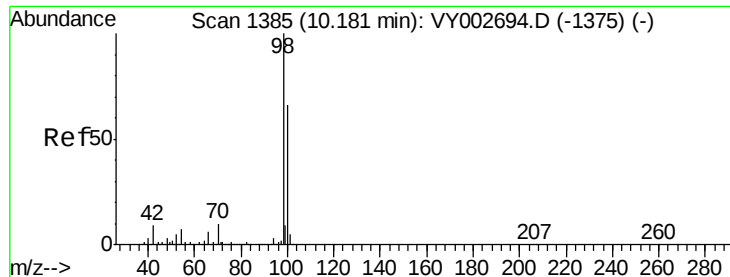
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#40
Benzene
Concen: 7.487 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

Tgt Ion: 78 Resp: 50744
Ion Ratio Lower Upper
78 100
77 25.5 19.2 28.8





#50

Toluene-d8

Concen: 110.178 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

0374-COMP-MP-ARE

Tot Ion: 98 Resp: 671703

Ion Ratio Lower Upper

98 100

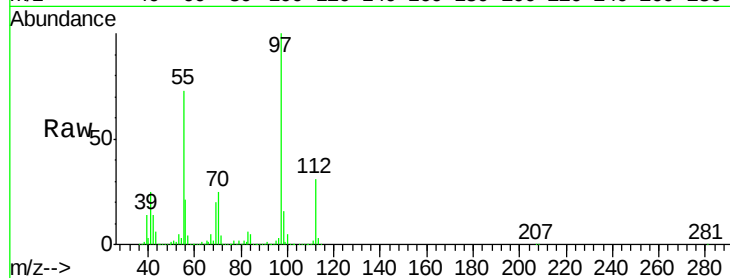
100 27.7 52.3 78.5#

Manual Integrations

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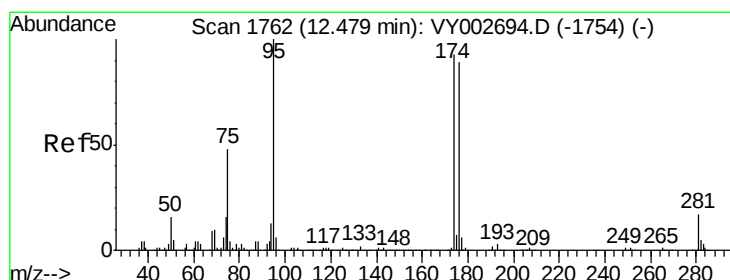
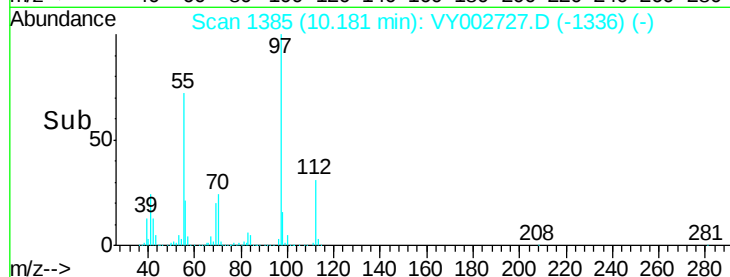
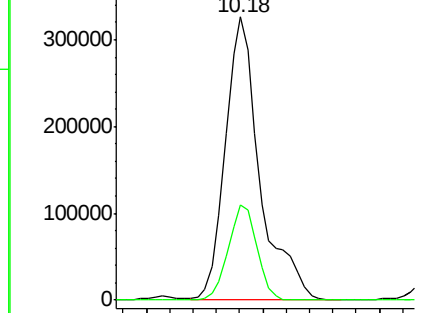
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Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



#62

4-Bromofluorobenzene

Concen: 99.034 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. -0.01 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

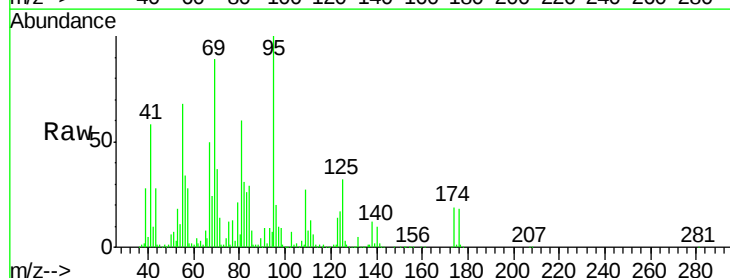
Tgt Ion: 95 Resp: 207515

Ion Ratio Lower Upper

95 100

174 30.0 0.0 191.4

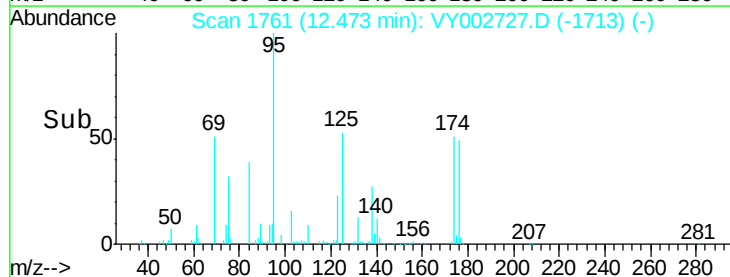
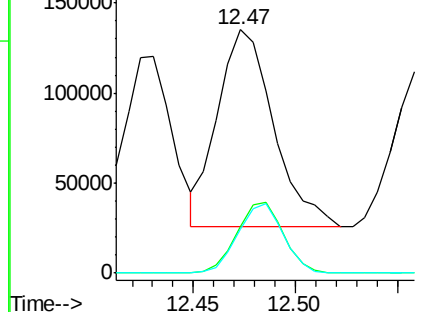
176 28.7 0.0 186.0

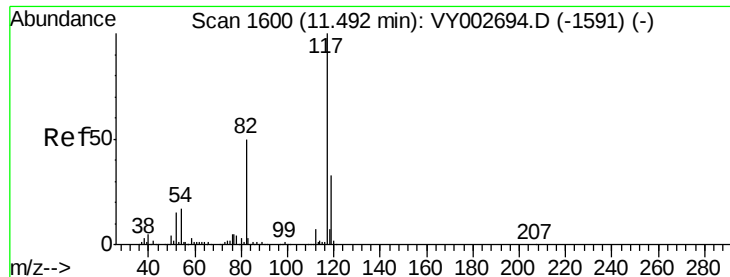


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





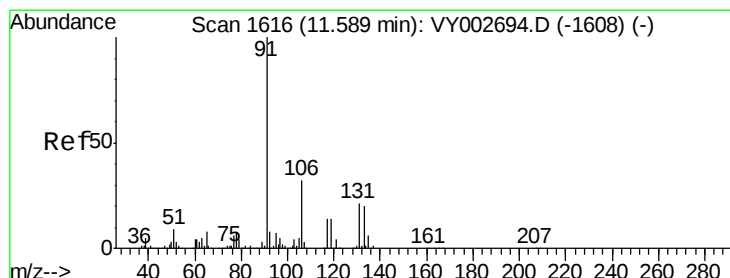
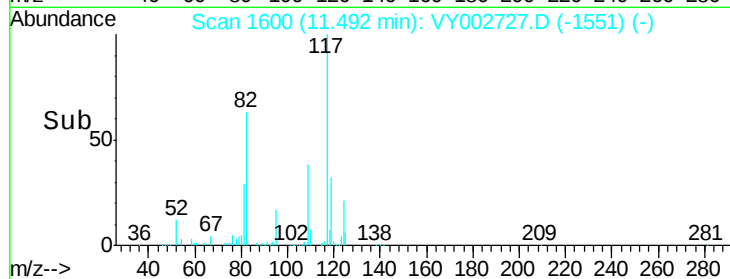
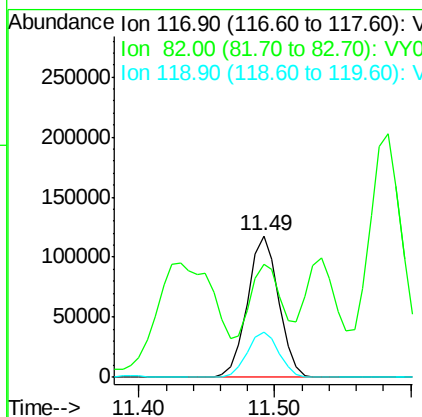
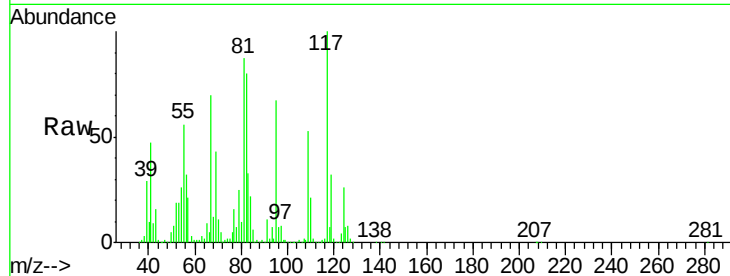
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

Instrument :
MSVOA_Y
ClientSampleId :
0374-COMP-MP-ARE

Tot Ion	Ratio	Lower	Upper
117	100		
82	32.9	40.3	60.5#
119	32.0	26.2	39.4

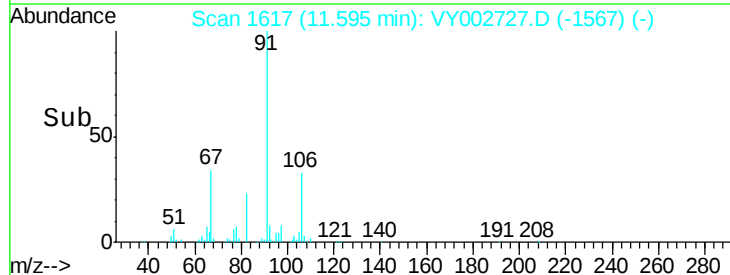
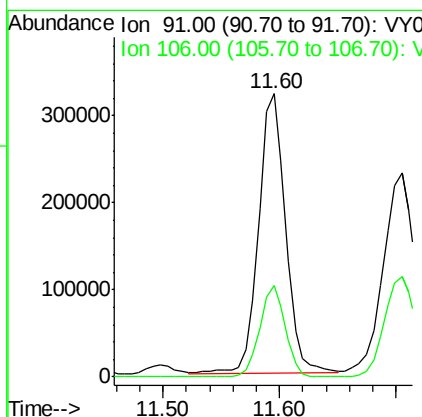
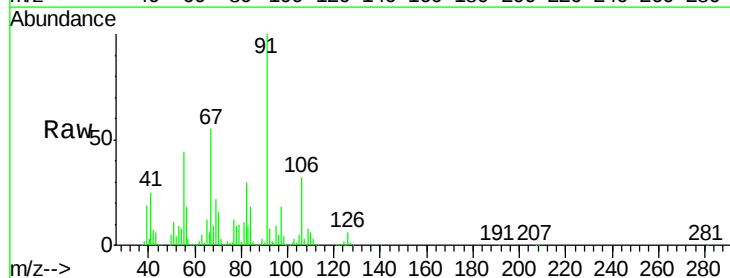
Manual Integrations
APPROVED

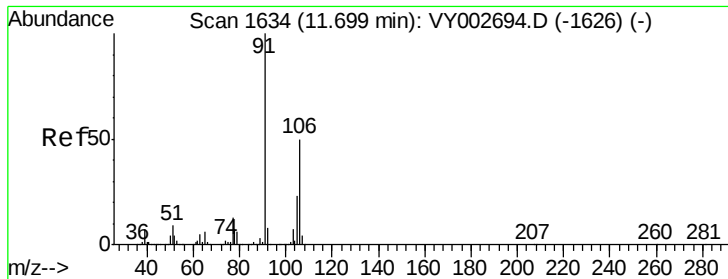
MMDadoda
5/21/2020 1:19:27 PM



#67
Ethyl Benzene
Concen: 80.525 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.7	26.0	39.0





#68

m/p-Xylenes

Concen: 85.004 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

0374-COMP-MP-ARE

Tot Ion:106 Resp: 211943

Ion Ratio Lower Upper

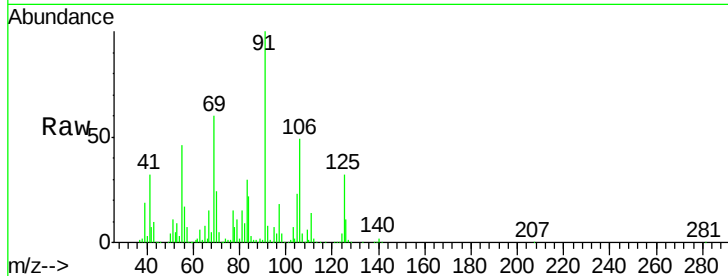
106 100

91 203.7 156.2 234.4

Manual Integrations
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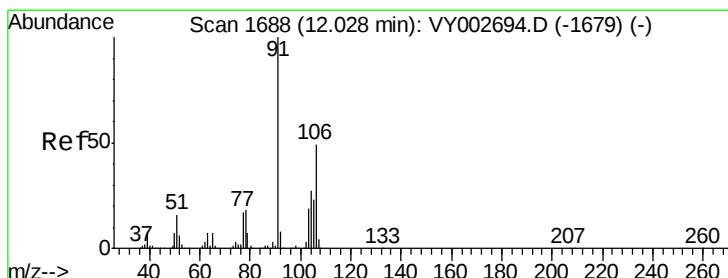
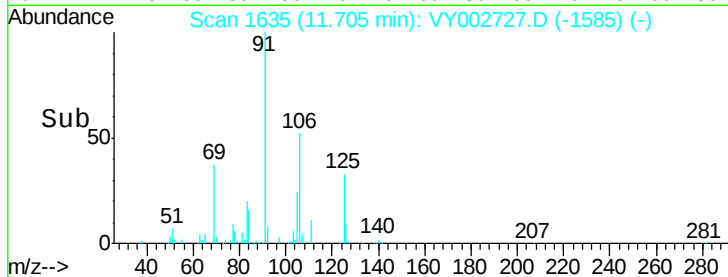
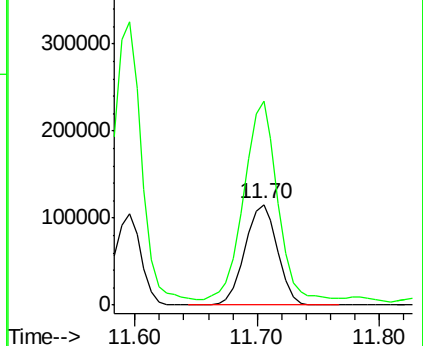
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#69

o-Xylene

Concen: 68.934 ug/l

RT: 12.03 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VY002727.D

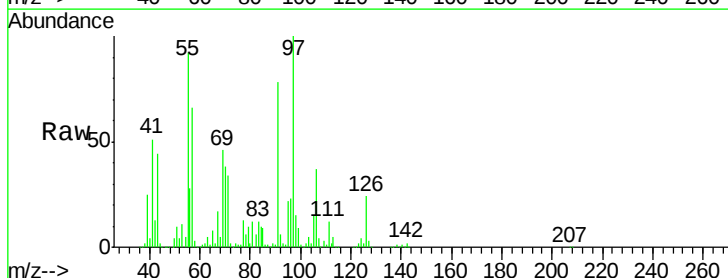
Acq: 20 May 2020 13:30

Tgt Ion:106 Resp: 161319

Ion Ratio Lower Upper

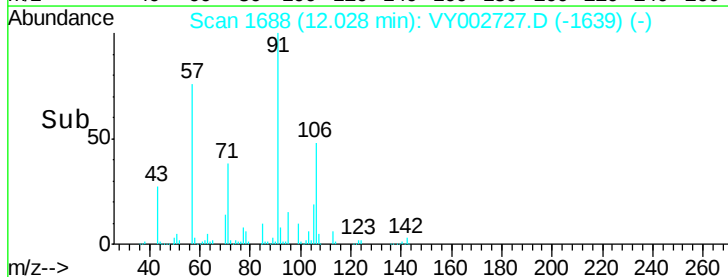
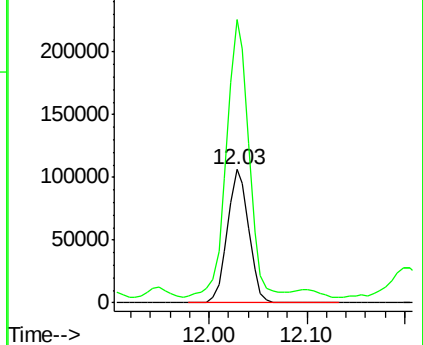
106 100

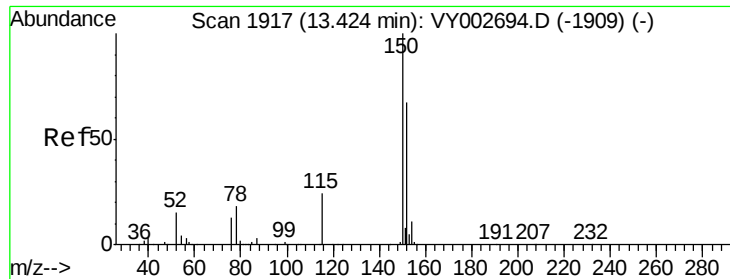
91 217.1 103.5 310.3



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: 13.43 min Scan# 1918

Delta R.T. 0.01 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

0374-COMP-MP-ARE

Tot Ion:152 Resp: 96222

Ion Ratio Lower Upper

152 100

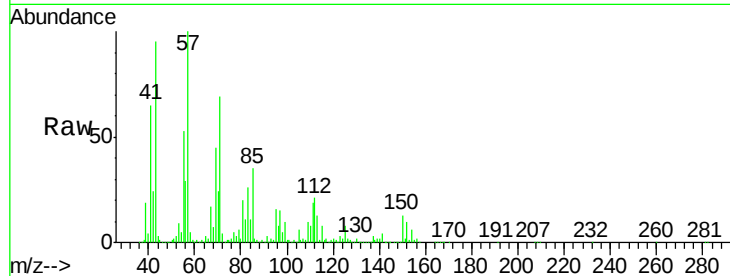
115 45.9 27.2 81.6

150 77.8 0.0 343.8

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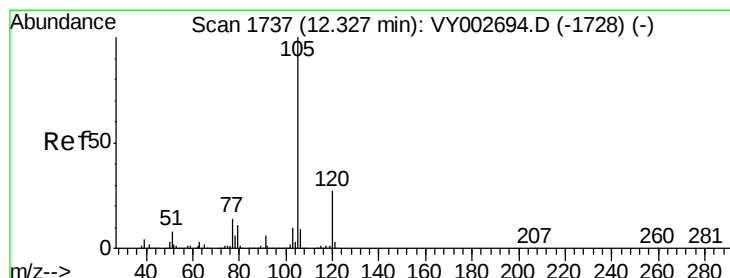
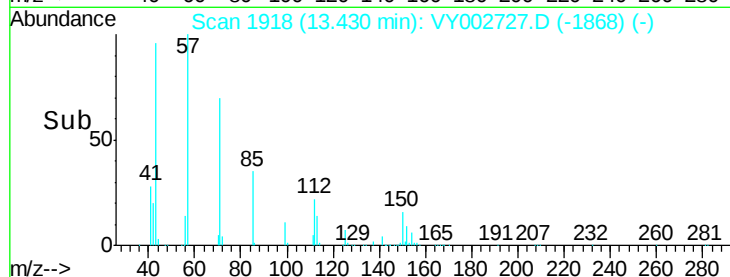
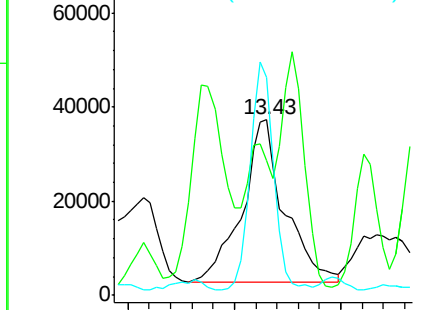
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 81.906 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY002727.D

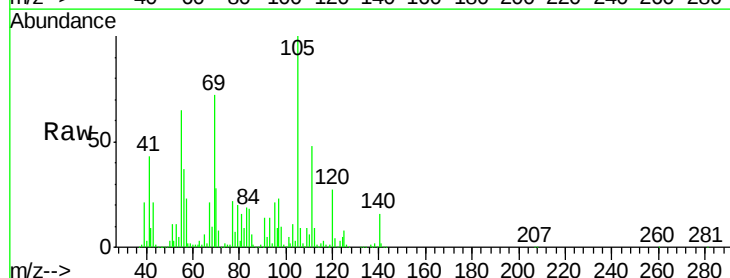
Acq: 20 May 2020 13:30

Tgt Ion:105 Resp: 514975

Ion Ratio Lower Upper

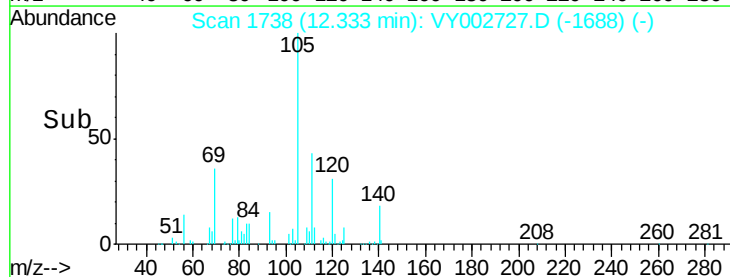
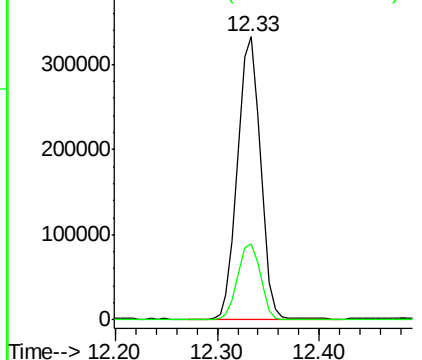
105 100

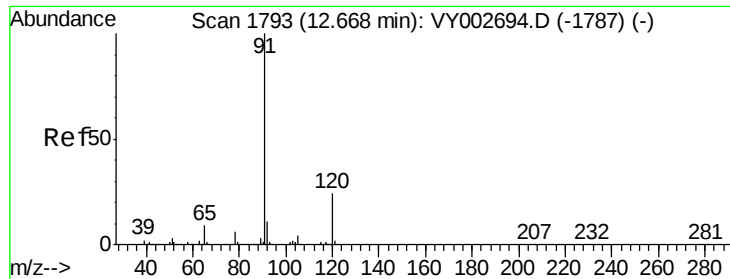
120 26.9 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 94.356 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.01 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

0374-COMP-MP-ARE

Tot Ion: 91 Resp: 690126

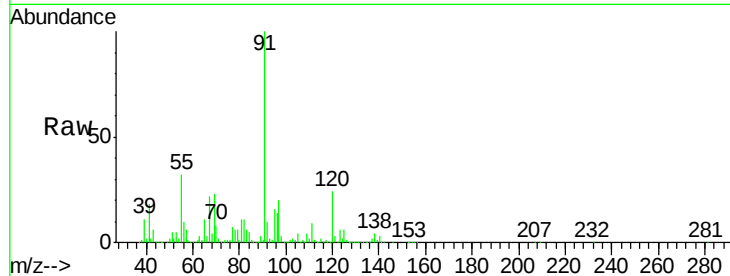
Ion Ratio Lower Upper

91 100

120 23.7 12.3 36.8

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Abundance Ion 91.00 (90.70 to 91.70): VY002727.D (-1744) (-)

Ion 120.00 (119.70 to 120.70): VY002727.D (-1744) (-)

12.67

500000

400000

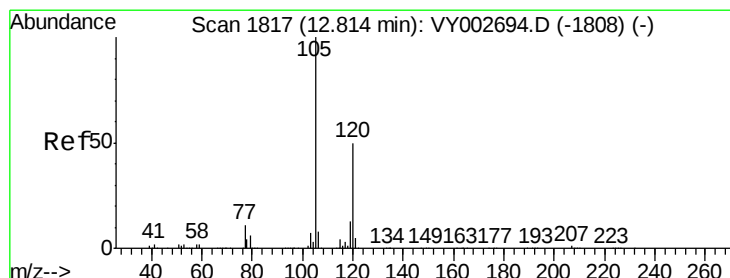
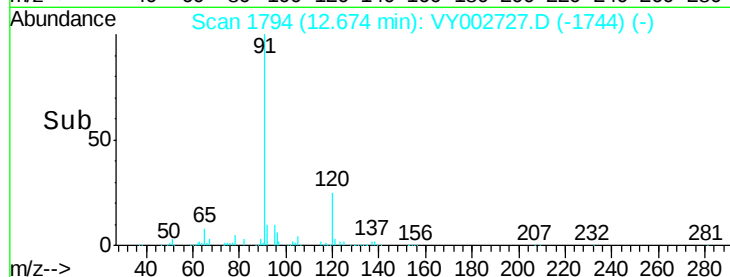
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 132.230 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VY002727.D

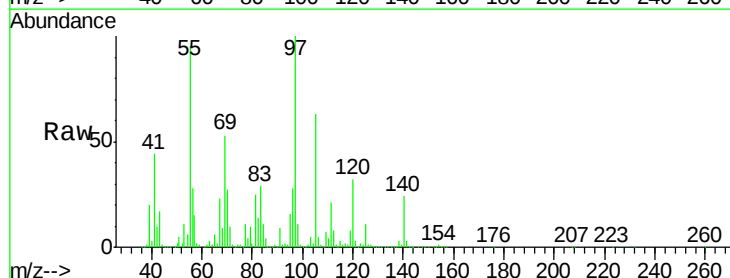
Acq: 20 May 2020 13:30

Tgt Ion: 105 Resp: 698565

Ion Ratio Lower Upper

105 100

120 50.2 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VY002727.D (-1768) (-)

Ion 120.00 (119.70 to 120.70): VY002727.D (-1768) (-)

12.81

500000

400000

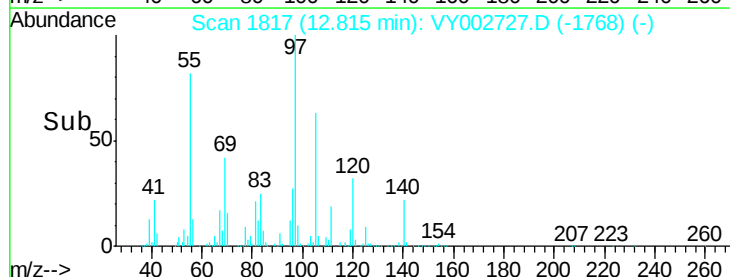
300000

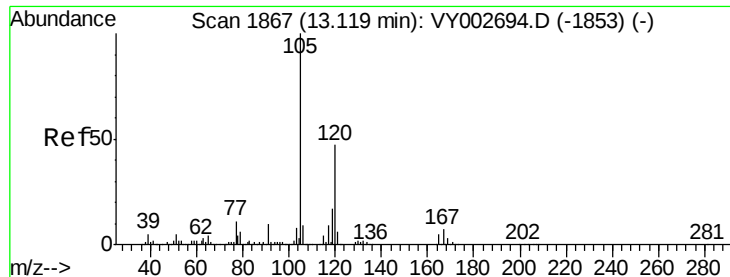
200000

100000

0

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 354.191 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY002727.D

Acq: 20 May 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

0374-COMP-MP-ARE

Tot Ion:105 Resp: 1870047

Ion Ratio Lower Upper

105 100

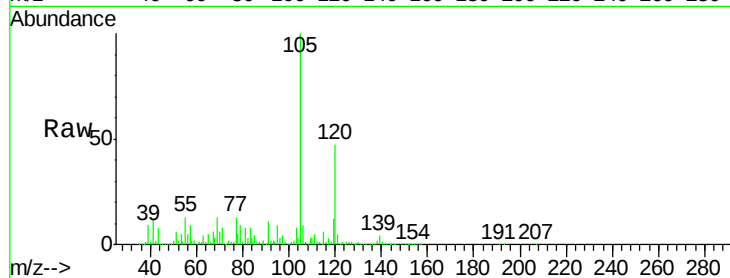
120 47.7 23.5 70.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

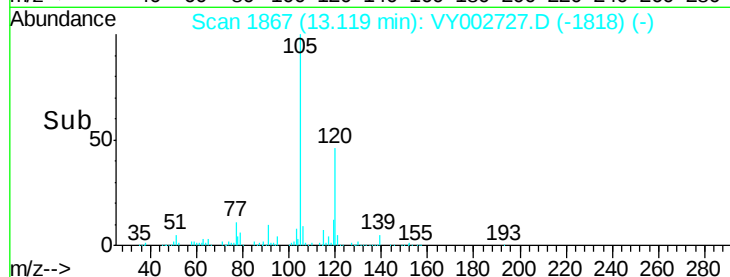
1500000

1000000

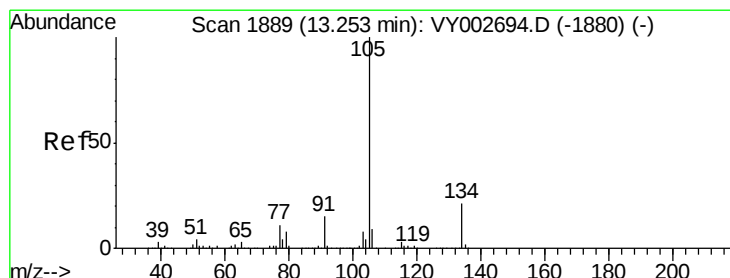
500000

0

13.10 13.20



Time-->



#85

sec-Butylbenzene

Concen: 62.856 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY002727.D

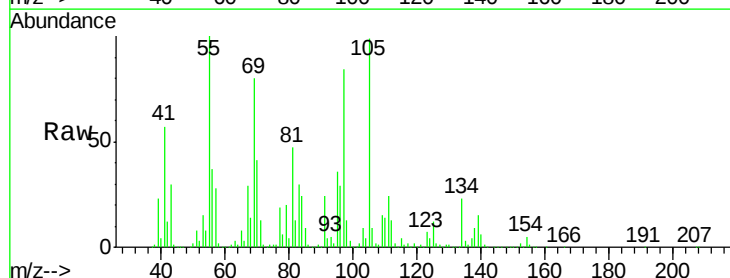
Acq: 20 May 2020 13:30

Tgt Ion:105 Resp: 405529

Ion Ratio Lower Upper

105 100

134 33.6 10.8 32.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

300000

250000

200000

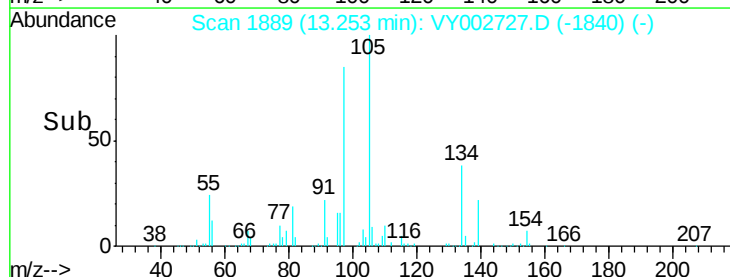
150000

100000

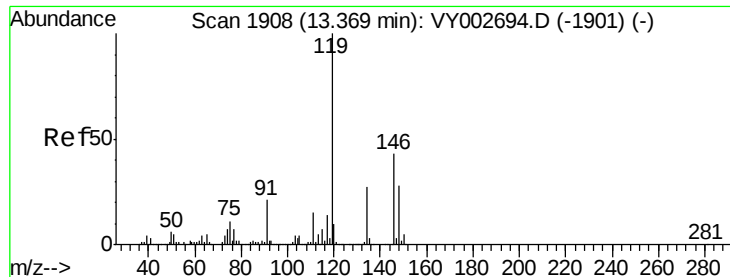
50000

0

13.20 13.25 13.30



Time-->



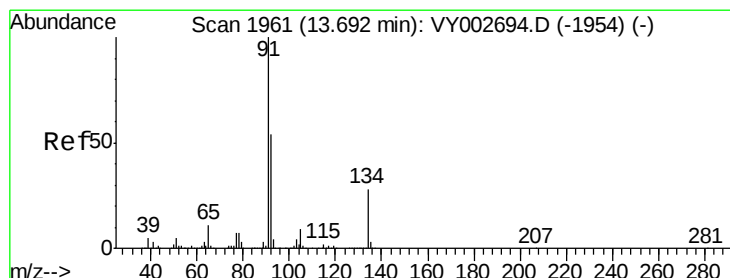
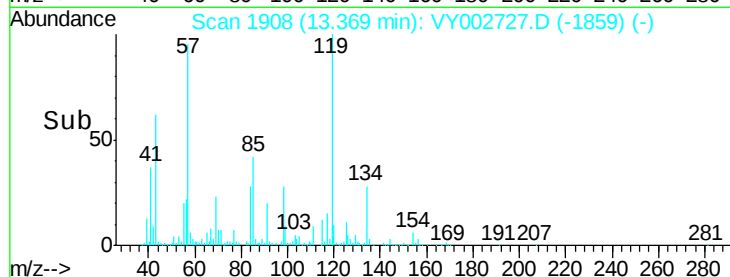
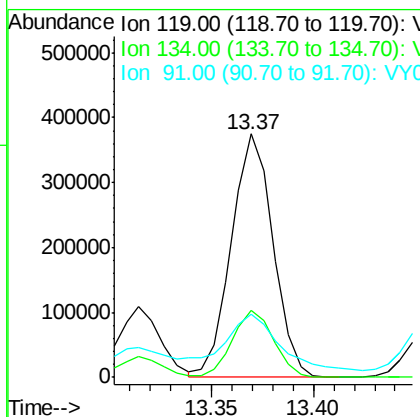
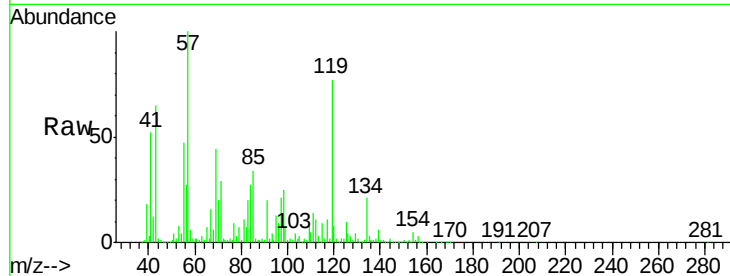
#86
p-Isopropyltoluene
Concen: 87.664 ug/l
RT: 13.37 min Scan# 1908
Delta R.T. 0.00 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

Instrument :
MSVOA_Y
ClientSampleId :
0374-COMP-MP-ARE

Tot Ion	Ratio	Resp	Lower	Upper
119	100	529407		
134	27.4		13.5	40.5
91	28.8		10.8	32.3

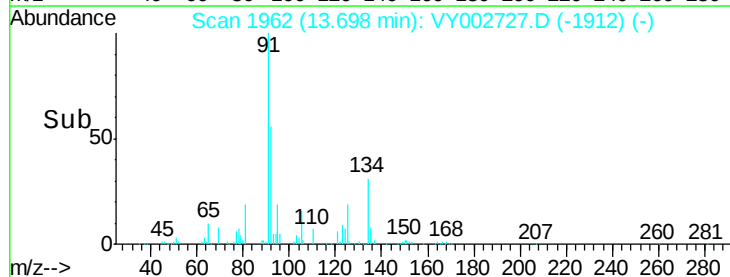
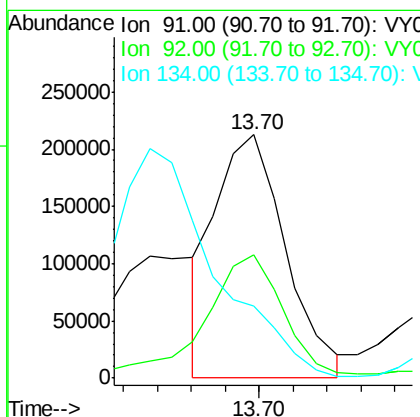
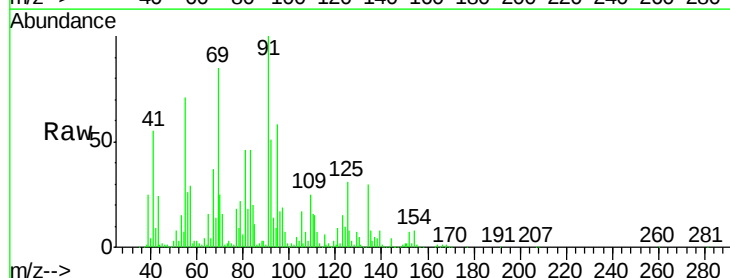
Manual Integrations
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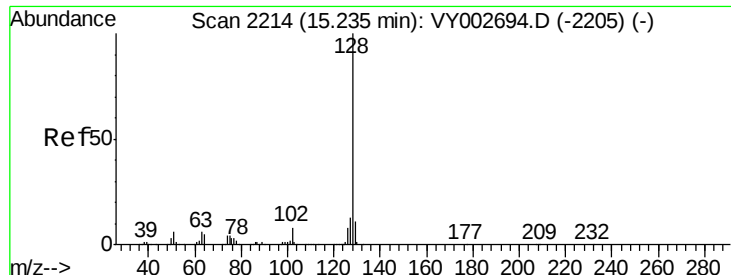
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#89
n-Butylbenzene
Concen: 55.644 ug/l m
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	308590		
92	54.5		26.8	80.4
134	0.0		14.5	43.5#





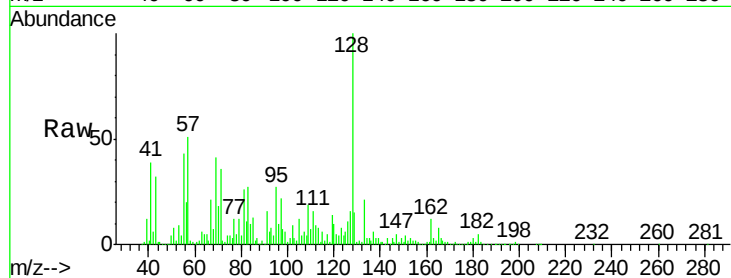
#95
Naphthalene
Concen: 127.427 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002727.D
Acq: 20 May 2020 13:30

Instrument :
MSVOA_Y
ClientSampleId :
0374-COMP-MP-ARE

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	19.4	10.3	15.5#
129	19.8	8.7	13.1#

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

