

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051421\
 Data File : VY004784.D
 Acq On : 14 May 2021 15:45
 Operator : SY/MD
 Sample : M2392-07
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-03-3.5-4.0

Manual Integrations
 APPROVED

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 5/17/2021 2:35:40 PM

Quant Time: May 15 03:58:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:13:44 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.801	168	119586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	201380	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	198018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	104390	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	66854	46.97	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.94%			
35) Dibromofluoromethane	7.728	113	58183	52.78	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.56%			
50) Toluene-d8	10.185	98	342691	68.81	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 137.62%			
62) 4-Bromofluorobenzene	12.483	95	132553	78.86	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 157.72%#			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.972	59	2040	14.26	ug/l #	71
16) Acetone	3.954	43	22625	70.77	ug/l #	86
20) Methylene Chloride	4.734	84	26207	11.03	ug/l	93
31) Cyclohexane	7.789	56	396026	171.88	ug/l	95
37) Ethyl Acetate	7.094	43	1996	1.41	ug/l #	86
39) Methylcyclohexane	9.191	83	1508815	670.40	ug/l	99
67) Ethyl Benzene	11.599	91	54428	7.19	ug/l	100
68) m/p-Xylenes	11.709	106	20155	7.08	ug/l	86
69) o-Xylene	12.026	106	8085	3.04	ug/l	77
73) Isopropylbenzene	12.331	105	43211	5.49	ug/l	99
78) n-propylbenzene	12.672	91	86328	8.98	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	27134	4.15	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	116815	17.84	ug/l	100
85) sec-Butylbenzene	13.251	105	31276	3.85	ug/l #	64
86) p-Isopropyltoluene	13.373	119	43888m	6.24	ug/l	
89) n-Butylbenzene	13.696	91	48030	6.98	ug/l #	72

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

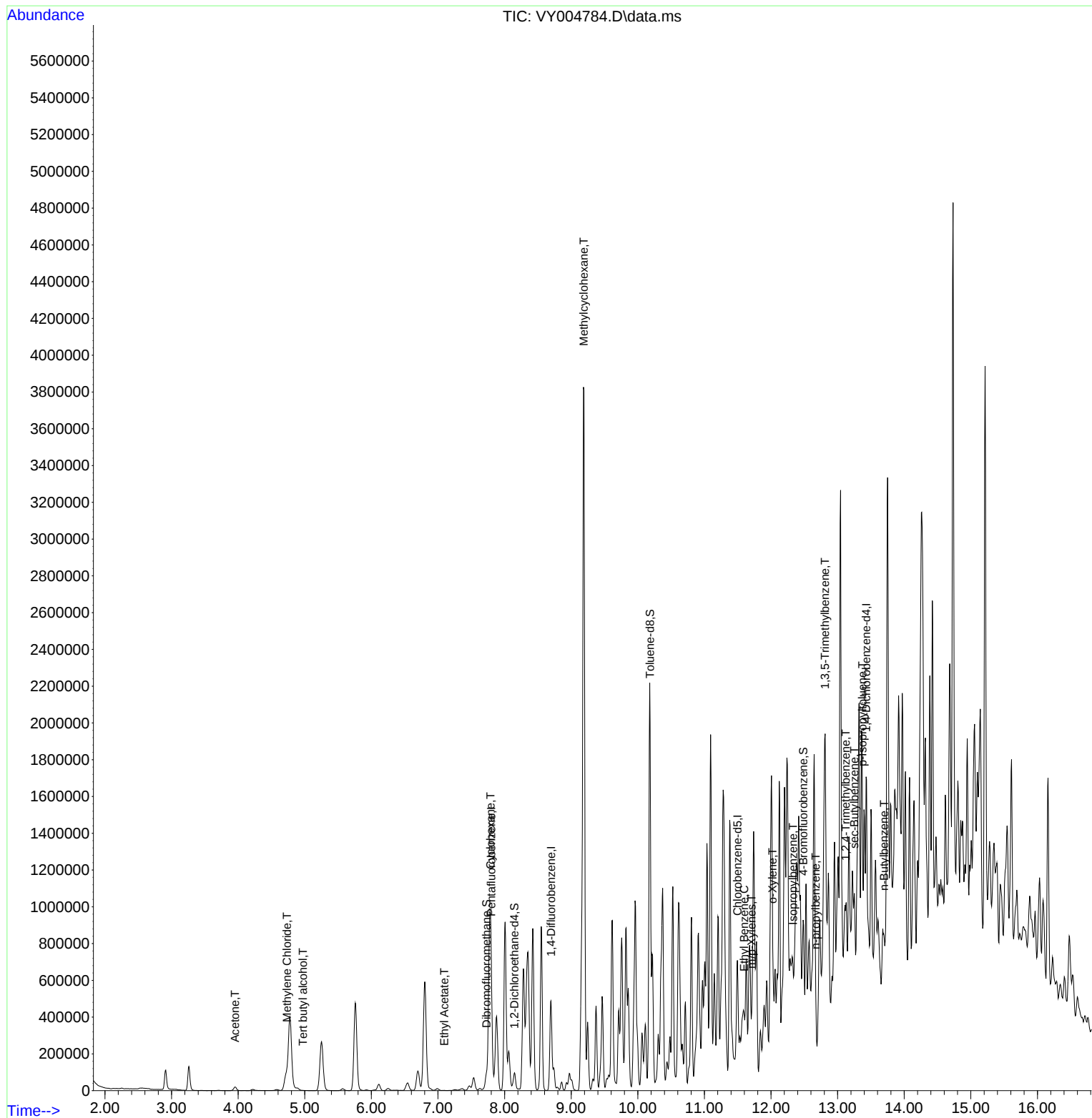
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051421\
Data File : VY004784.D
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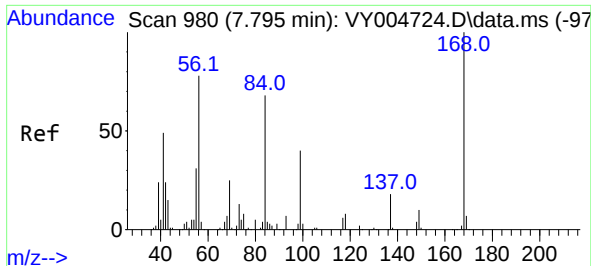
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Quant Time: May 15 03:58:57 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260
QLast Update : Tue May 11 04:13:44 2021
Response via : Initial Calibration





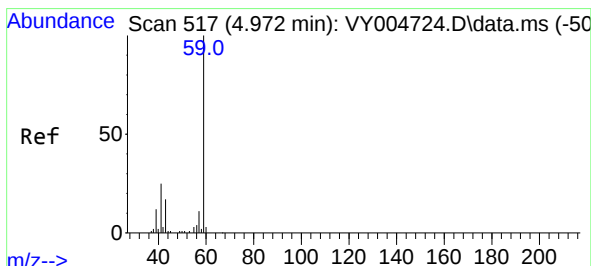
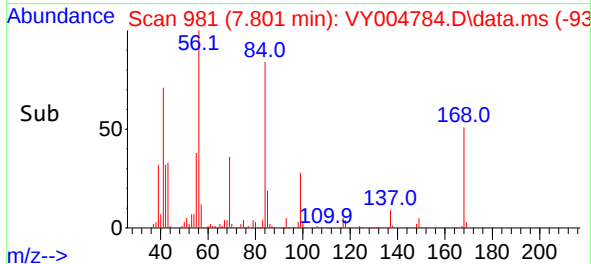
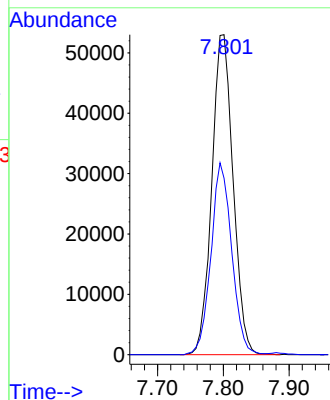
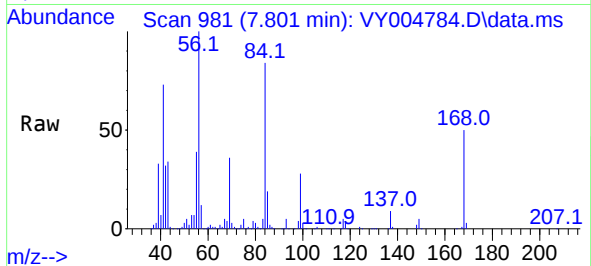
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY004784.D
Acq: 14 May 2021 15:45

Tgt Ion: 168 Resp: 119586
Ion Ratio Lower Upper
168 100
99 55.2 45.6 68.4

Instrument :
MSVOA_Y
ClientSampleId :
SB-03-3.5-4.0

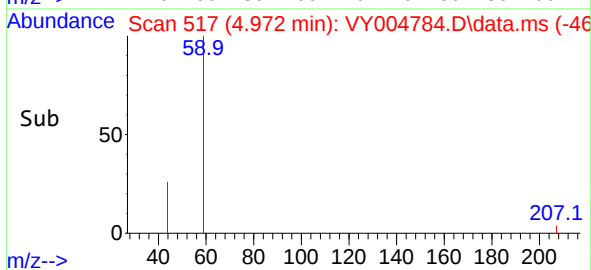
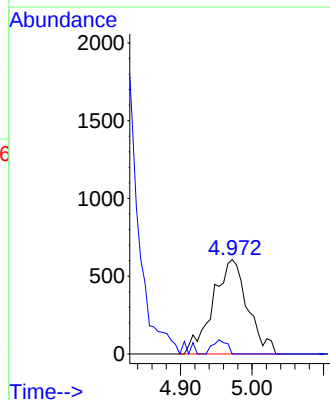
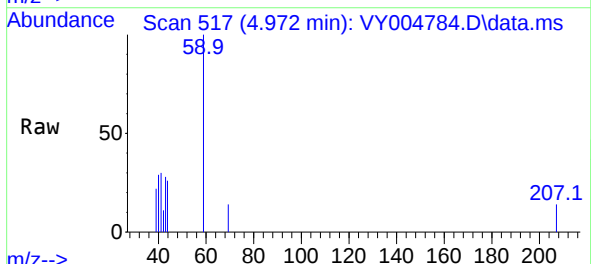
Manual Integrations
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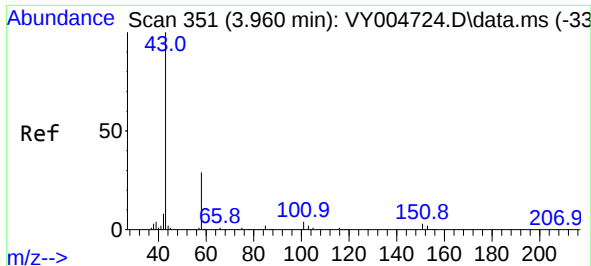
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#11
Tert butyl alcohol
Concen: 14.26 ug/l
RT: 4.972 min Scan# 517
Delta R.T. -0.000 min
Lab File: VY004784.D
Acq: 14 May 2021 15:45

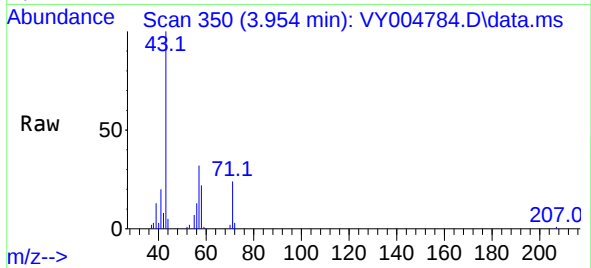
Tgt Ion: 59 Resp: 2040
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





#16
Acetone
Concen: 70.77 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY004784.D
Acq: 14 May 2021 15:45

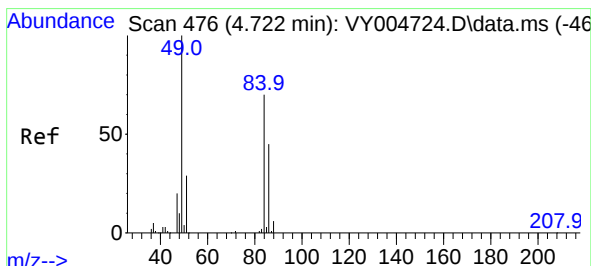
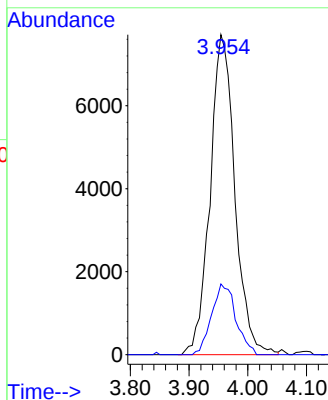
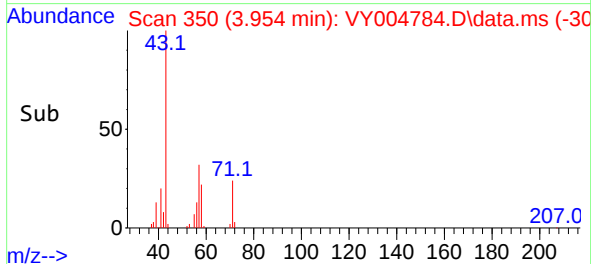
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-3.5-4.0



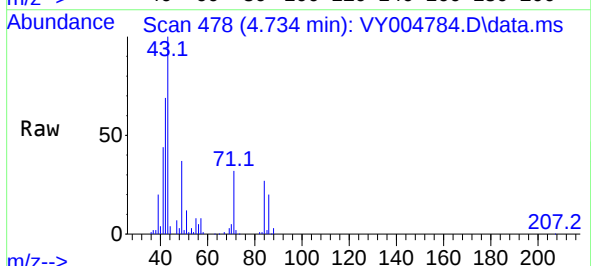
Tgt Ion: 43 Resp: 22625
Ion Ratio Lower Upper
43 100
58 22.1 23.6 35.4#

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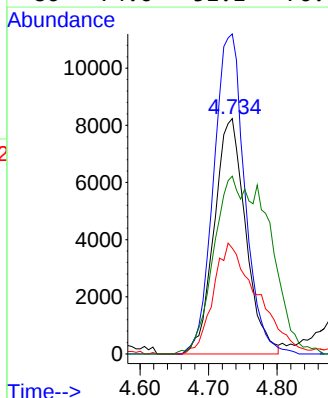
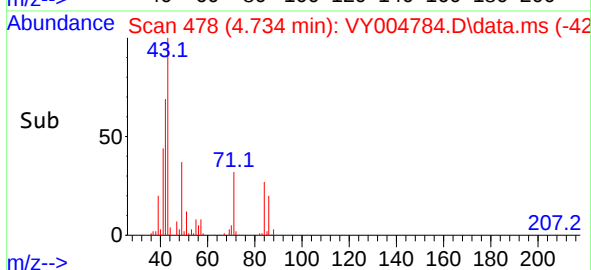
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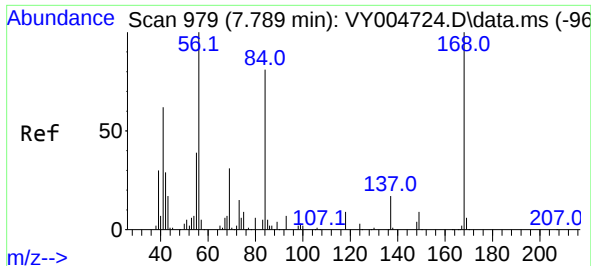


#20
Methylene Chloride
Concen: 11.03 ug/l
RT: 4.734 min Scan# 478
Delta R.T. 0.012 min
Lab File: VY004784.D
Acq: 14 May 2021 15:45



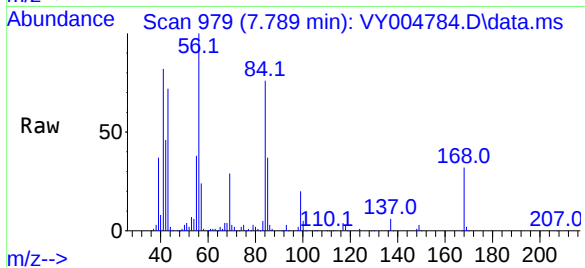
Tgt Ion: 84 Resp: 26207
Ion Ratio Lower Upper
84 100
49 135.9 113.8 170.8
51 44.9 33.5 50.3
86 74.6 51.1 76.7





#31
Cyclohexane
Concen: 171.88 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY004784.D
Acq: 14 May 2021 15:45

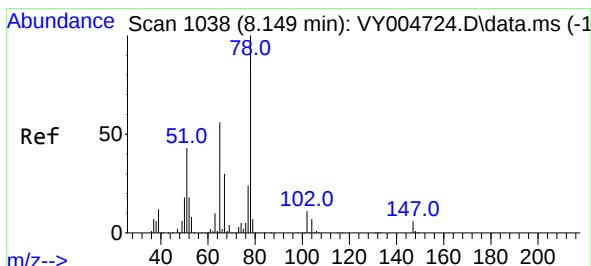
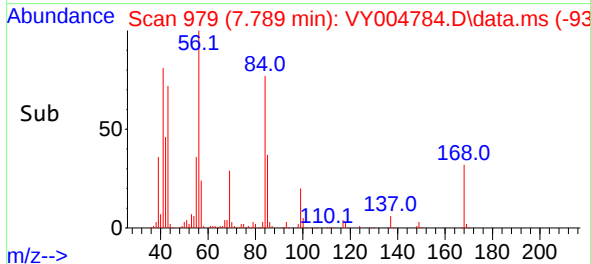
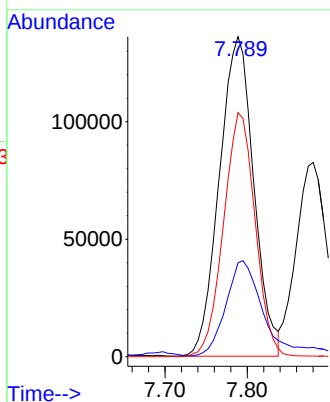
Instrument :
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ClientSampleId :
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Tgt Ion: 56 Resp: 396026
Ion Ratio Lower Upper
56 100
69 28.7 24.4 36.6
84 76.4 64.8 97.2

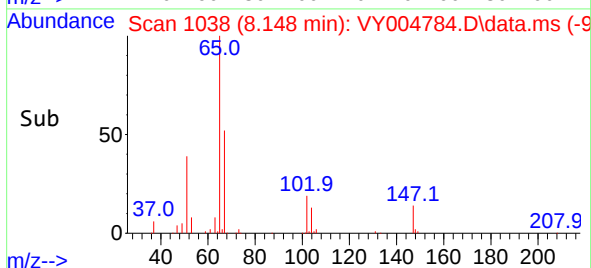
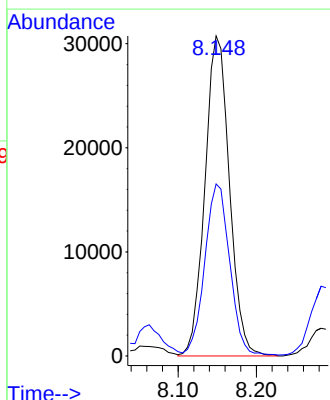
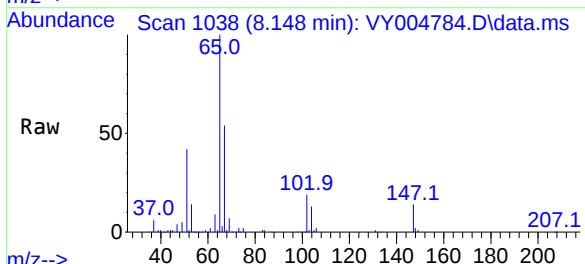
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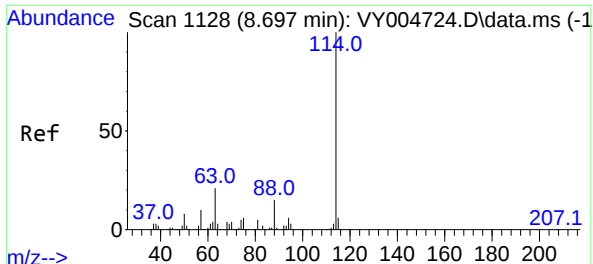
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#33
1,2-Dichloroethane-d4
Concen: 46.97 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY004784.D
Acq: 14 May 2021 15:45

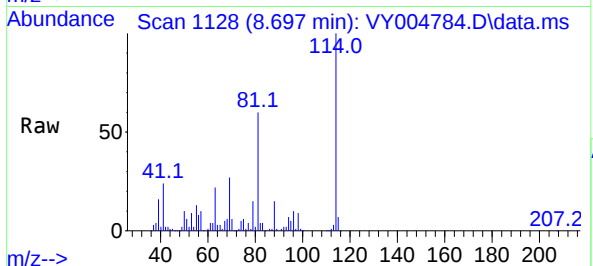
Tgt Ion: 65 Resp: 66854
Ion Ratio Lower Upper
65 100
67 53.9 0.0 108.0





#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY004784.D
Acq: 14 May 2021 15:45

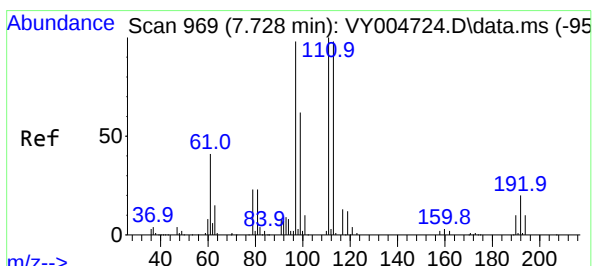
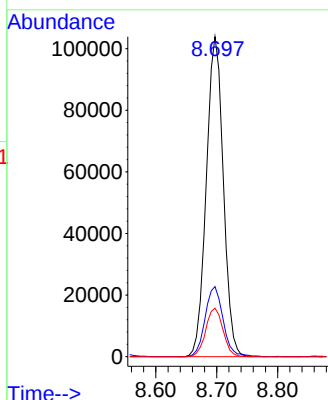
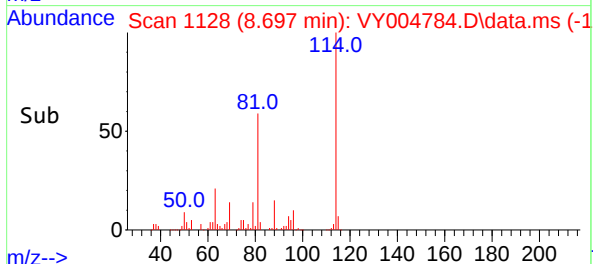
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ClientSampleId :
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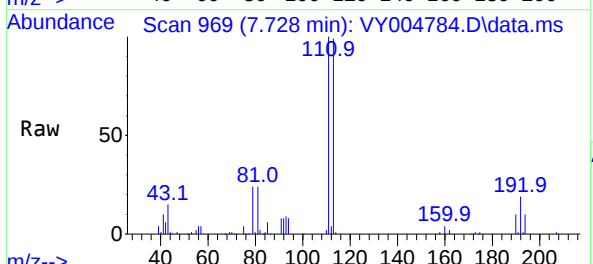
Tgt Ion:114 Resp: 201380
Ion Ratio Lower Upper
114 100
63 21.9 0.0 42.8
88 15.2 0.0 31.0

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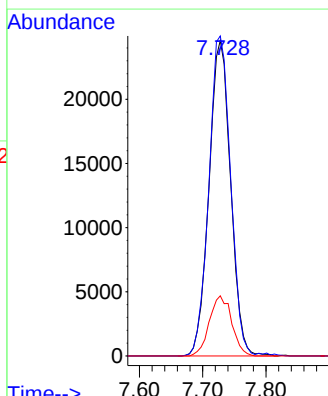
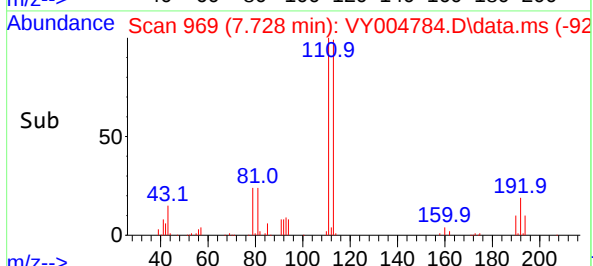
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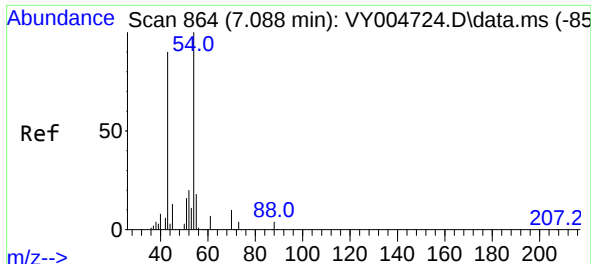


#35
Dibromofluoromethane
Concen: 52.78 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004784.D
Acq: 14 May 2021 15:45



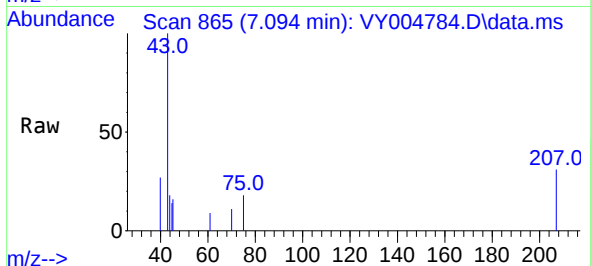
Tgt Ion:113 Resp: 58183
Ion Ratio Lower Upper
113 100
111 101.9 80.5 120.7
192 19.7 15.0 22.6





#37
Ethyl Acetate
Concen: 1.41 ug/l
RT: 7.094 min Scan# 865
Delta R.T. 0.006 min
Lab File: VY004784.D
Acq: 14 May 2021 15:45

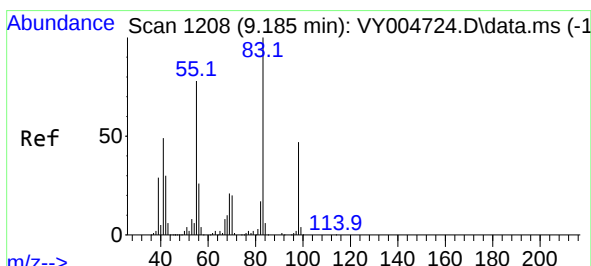
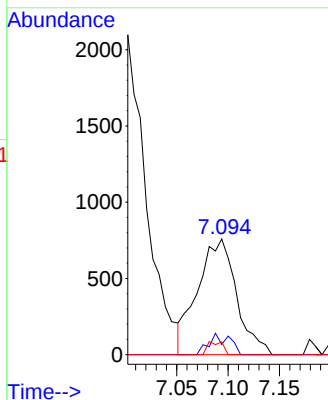
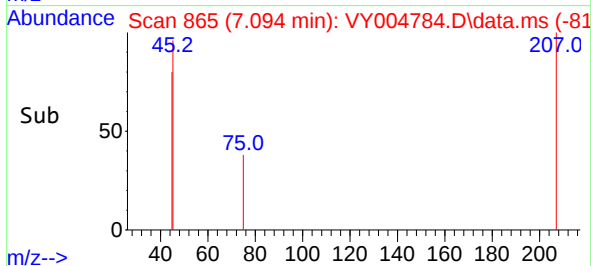
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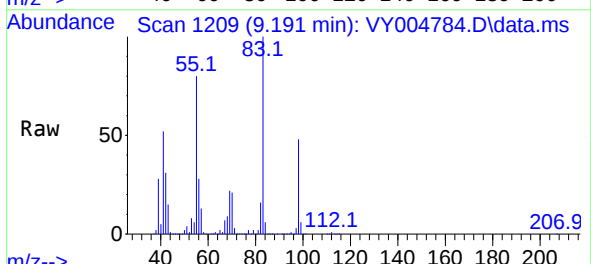
Tgt Ion: 43 Resp: 1996
Ion Ratio Lower Upper
43 100
61 9.7 9.9 14.9#
70 0.0 6.7 10.1#

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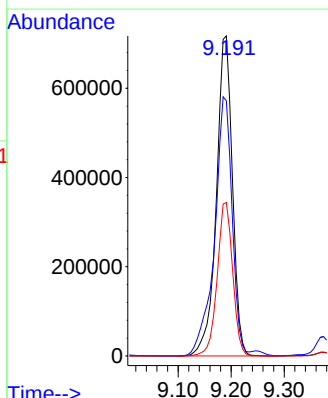
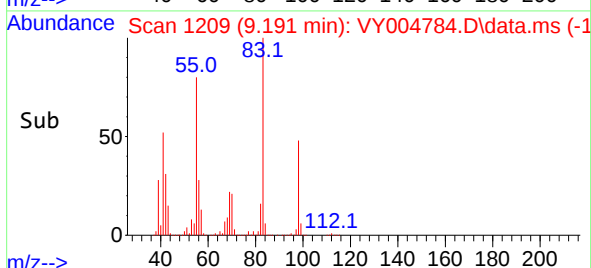
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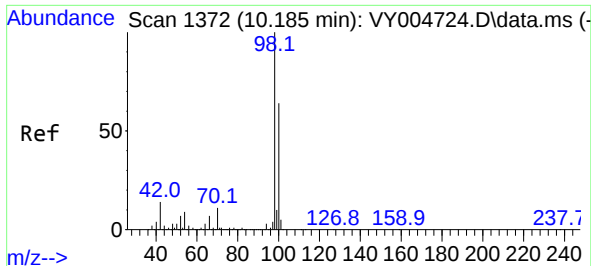


#39
Methylcyclohexane
Concen: 670.40 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. 0.006 min
Lab File: VY004784.D
Acq: 14 May 2021 15:45



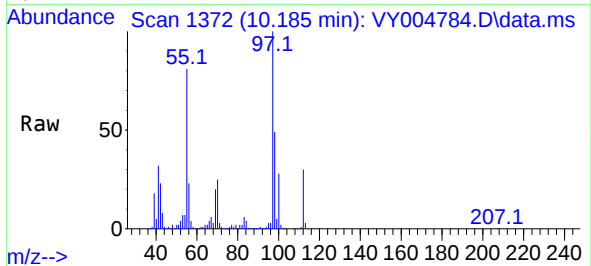
Tgt Ion: 83 Resp: 1508815
Ion Ratio Lower Upper
83 100
55 79.7 62.6 94.0
98 47.9 37.8 56.6





#50
Toluene-d8
Concen: 68.81 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004784.D
Acq: 14 May 2021 15:45

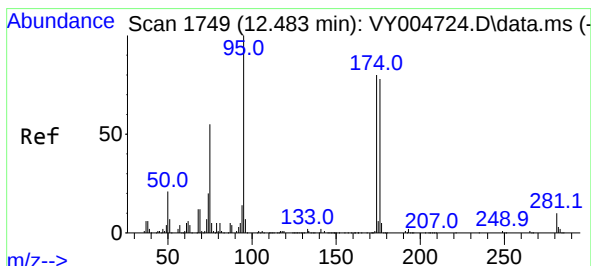
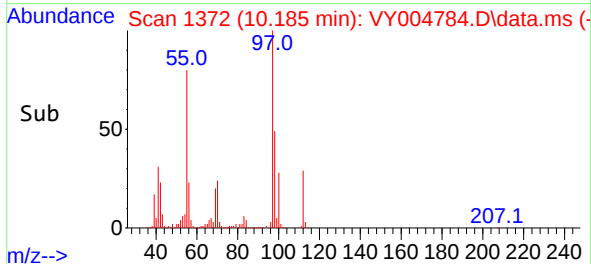
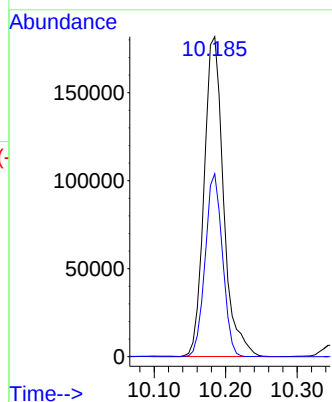
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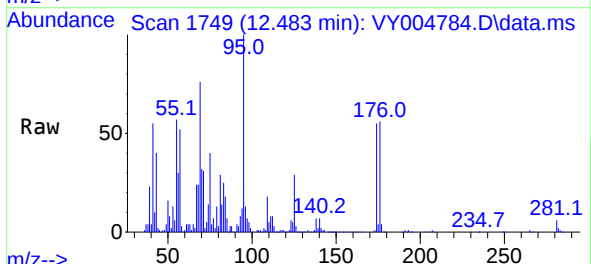
Tgt Ion: 98 Resp: 342691
Ion Ratio Lower Upper
98 100
100 51.0 51.5 77.3#

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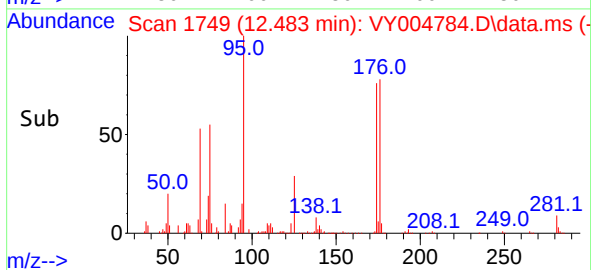
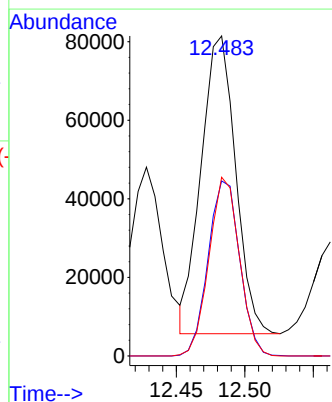
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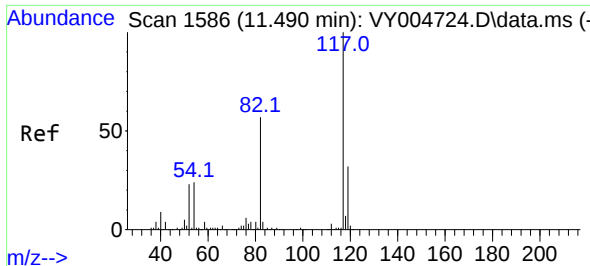


#62
4-Bromofluorobenzene
Concen: 78.86 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004784.D
Acq: 14 May 2021 15:45



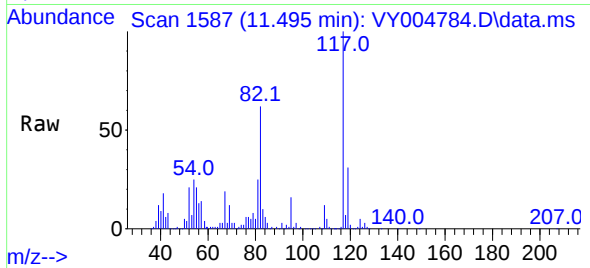
Tgt Ion: 95 Resp: 132553
Ion Ratio Lower Upper
95 100
174 54.0 0.0 164.2
176 53.0 0.0 159.0





#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY004784.D
Acq: 14 May 2021 15:45

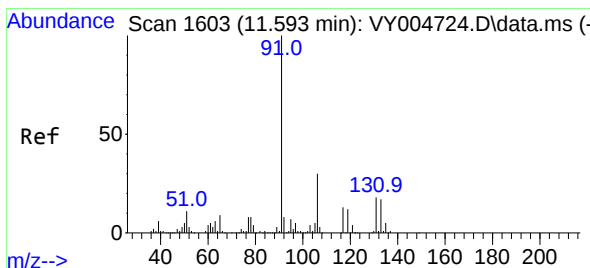
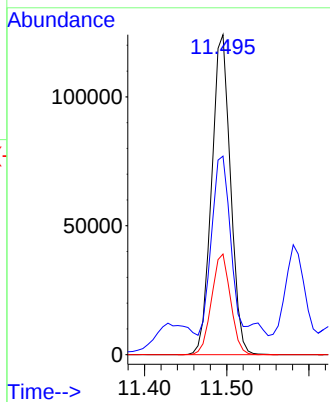
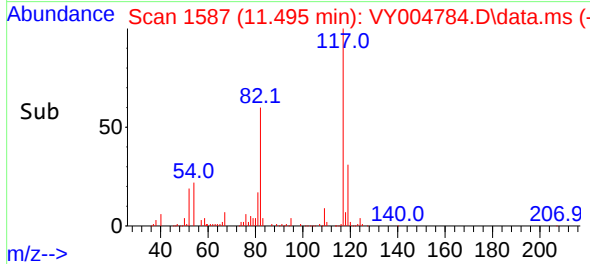
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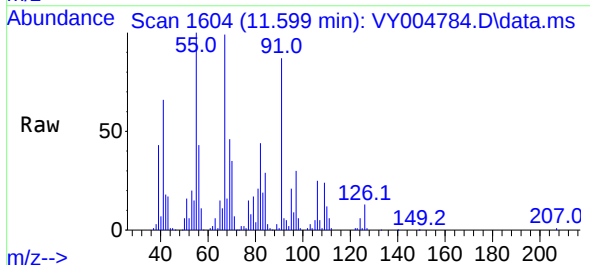
Tgt Ion:117 Resp: 198018
Ion Ratio Lower Upper
117 100
82 53.0 45.4 68.2
119 31.4 25.8 38.6

Manual Integrations
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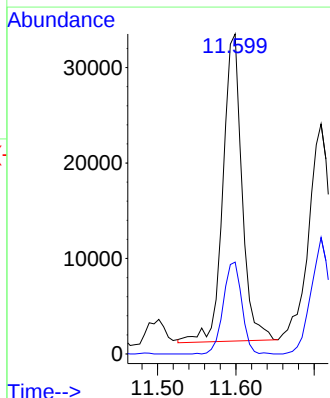
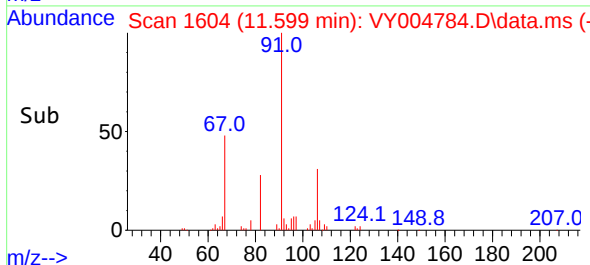
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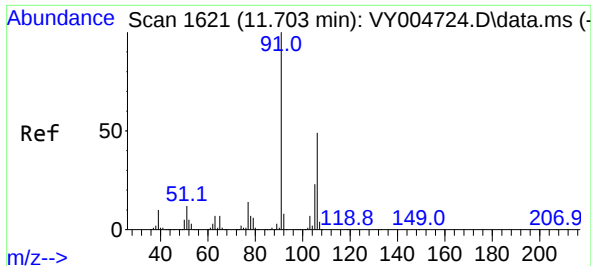


#67
Ethyl Benzene
Concen: 7.19 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.006 min
Lab File: VY004784.D
Acq: 14 May 2021 15:45



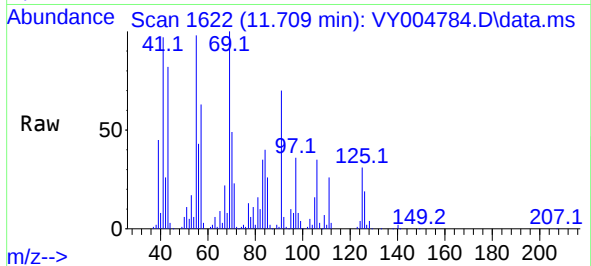
Tgt Ion: 91 Resp: 54428
Ion Ratio Lower Upper
91 100
106 30.0 24.0 36.0





#68
m/p-Xylenes
Concen: 7.08 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VY004784.D
Acq: 14 May 2021 15:45

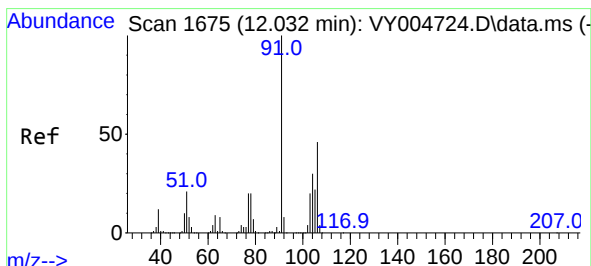
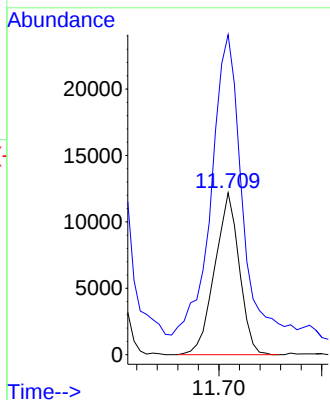
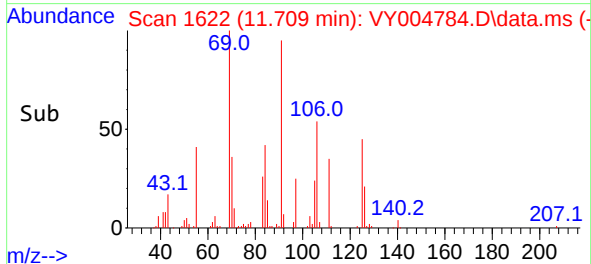
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-3.5-4.0



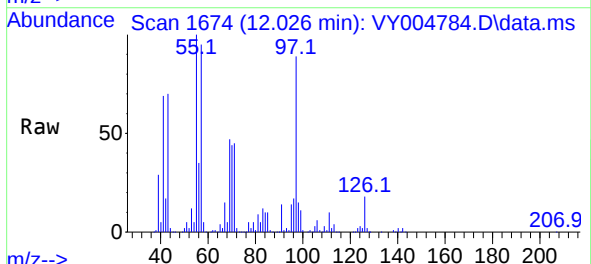
Tgt Ion:106 Resp: 20155
Ion Ratio Lower Upper
106 100
91 225.8 163.6 245.4

Manual Integrations
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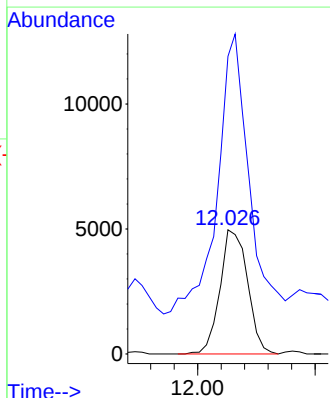
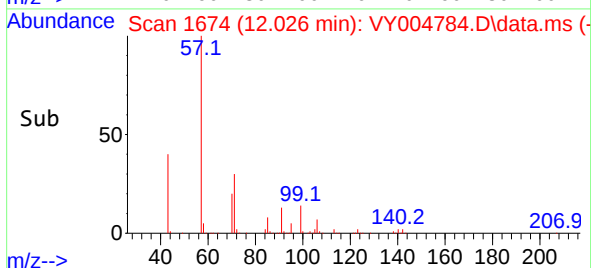
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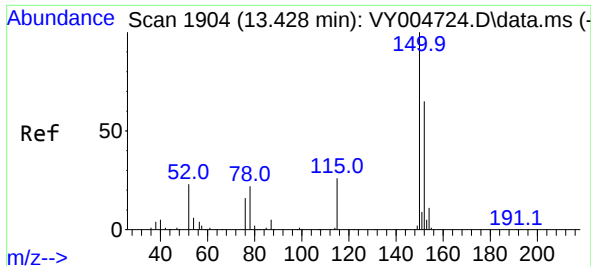


#69
o-Xylene
Concen: 3.04 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY004784.D
Acq: 14 May 2021 15:45

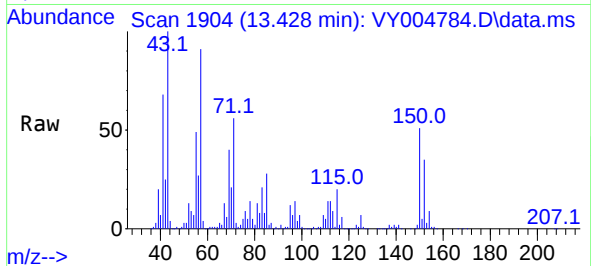


Tgt Ion:106 Resp: 8085
Ion Ratio Lower Upper
106 100
91 255.2 108.9 326.7

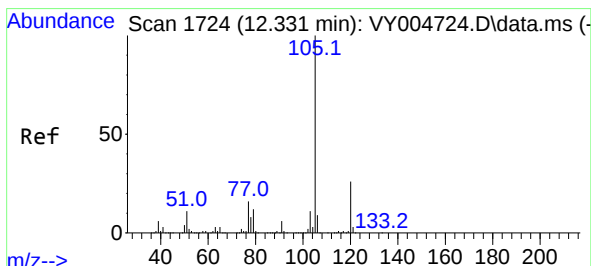
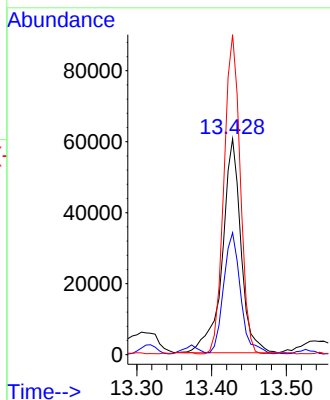
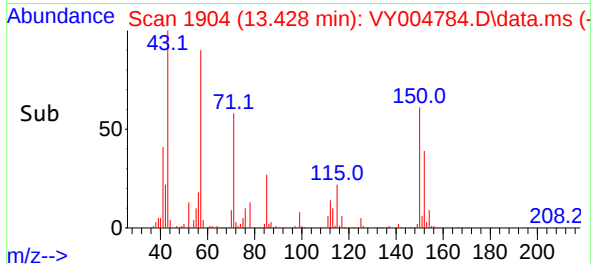




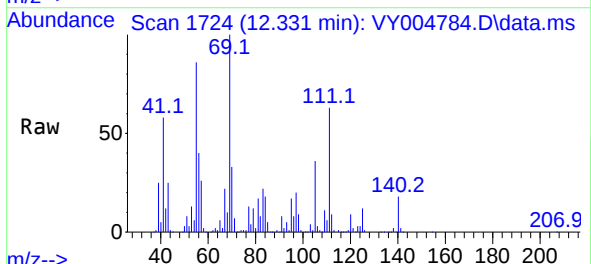
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004784.D
Acq: 14 May 2021 15:45



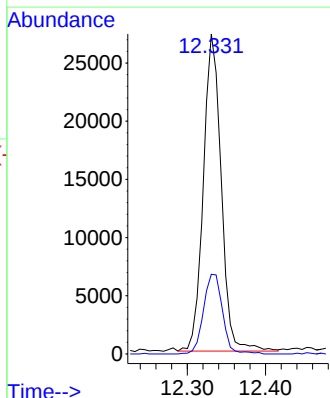
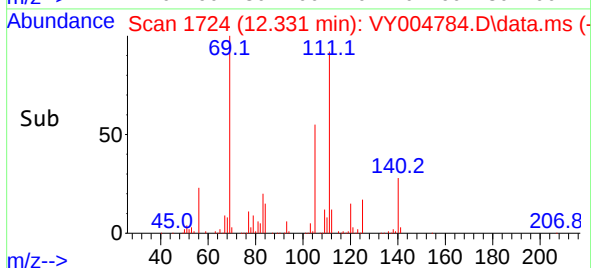
Tgt Ion:152 Resp: 104390
Ion Ratio Lower Upper
152 100
115 51.8 29.4 88.3
150 130.4 0.0 349.8



#73
Isopropylbenzene
Concen: 5.49 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY004784.D
Acq: 14 May 2021 15:45



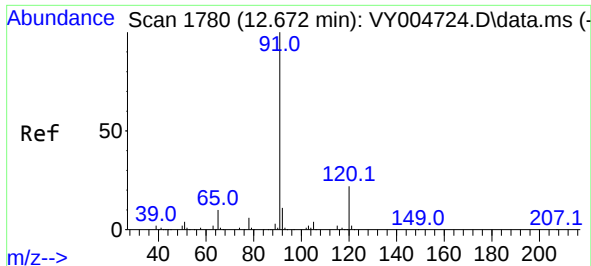
Tgt Ion:105 Resp: 43211
Ion Ratio Lower Upper
105 100
120 26.7 13.1 39.1



Instrument :
MSVOA_Y
ClientSampleId :
SB-03-3.5-4.0

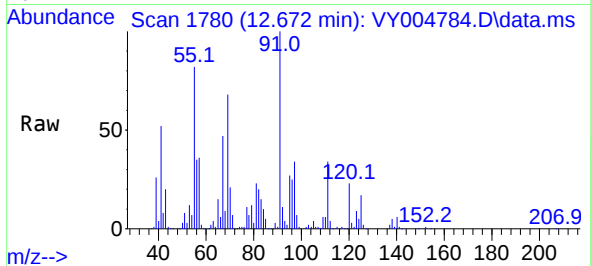
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#78
n-propylbenzene
Concen: 8.98 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY004784.D
Acq: 14 May 2021 15:45

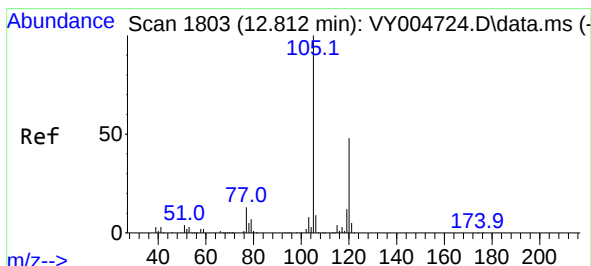
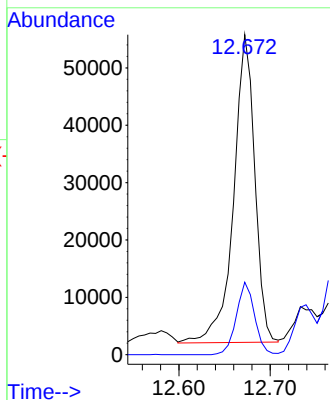
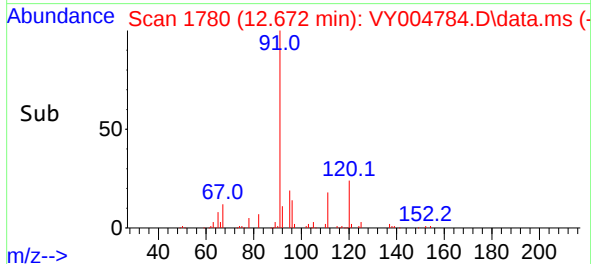
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-3.5-4.0



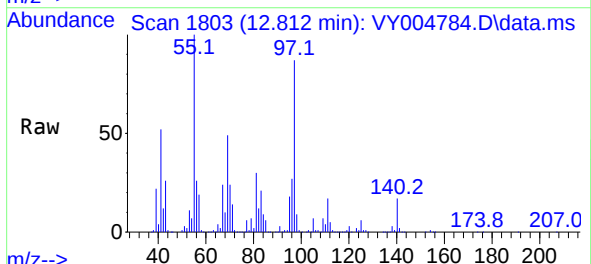
Tgt Ion: 91 Resp: 86328
Ion Ratio Lower Upper
91 100
120 20.4 11.1 33.3

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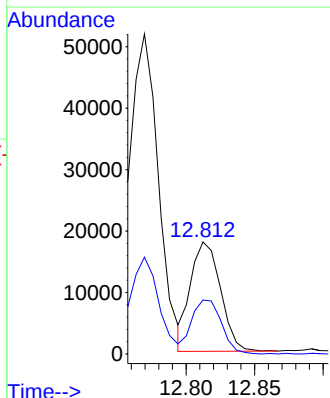
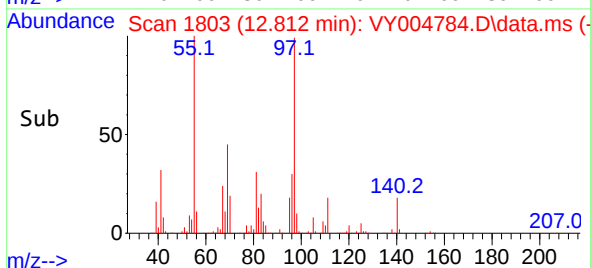
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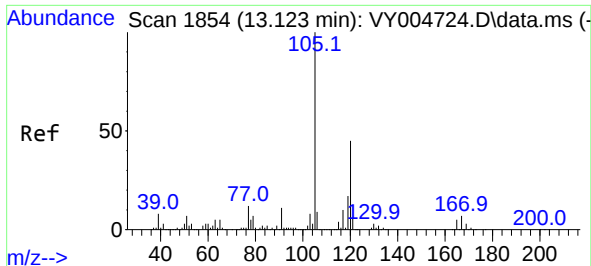


#80
1,3,5-Trimethylbenzene
Concen: 4.15 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY004784.D
Acq: 14 May 2021 15:45



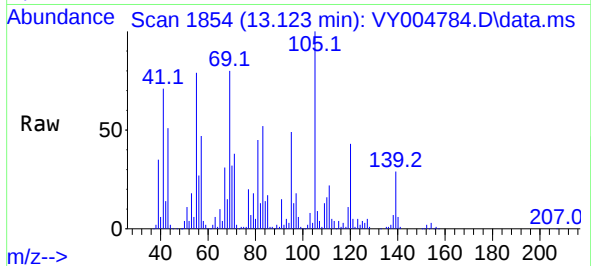
Tgt Ion: 105 Resp: 27134
Ion Ratio Lower Upper
105 100
120 49.1 24.0 72.0





#84
1,2,4-Trimethylbenzene
Concen: 17.84 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004784.D
Acq: 14 May 2021 15:45

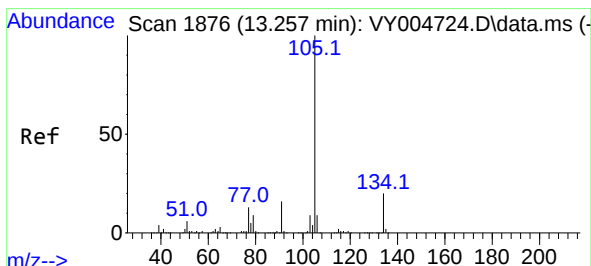
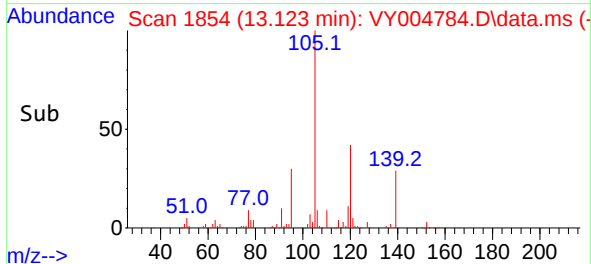
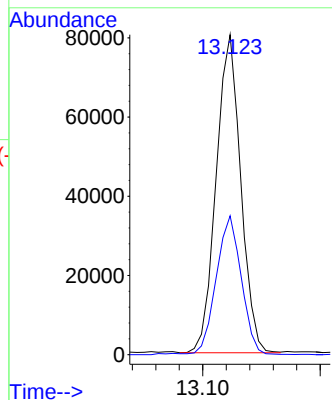
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-3.5-4.0



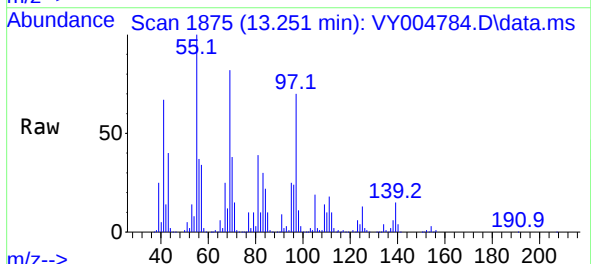
Tgt Ion:105 Resp: 116815
Ion Ratio Lower Upper
105 100
120 44.9 22.5 67.5

Manual Integrations
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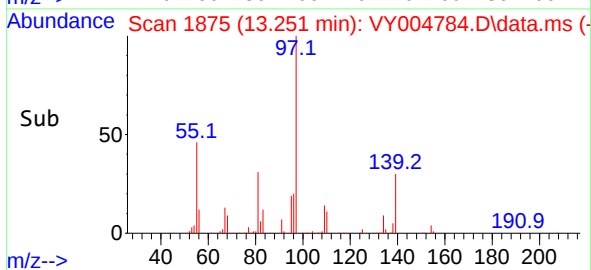
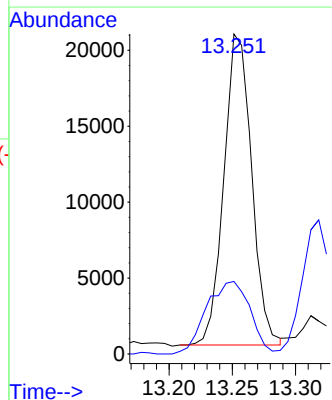
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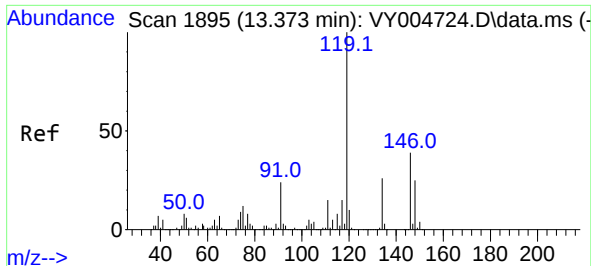


#85
sec-Butylbenzene
Concen: 3.85 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VY004784.D
Acq: 14 May 2021 15:45



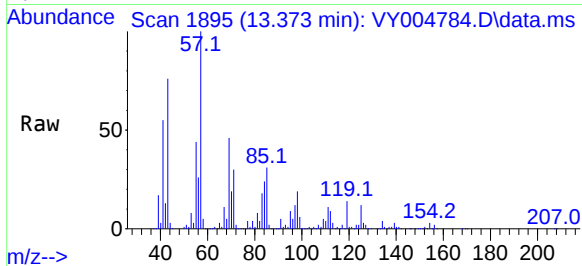
Tgt Ion:105 Resp: 31276
Ion Ratio Lower Upper
105 100
134 36.5 10.0 29.8#





#86
p-Isopropyltoluene
Concen: 6.24 ug/l m
RT: 13.373 min Scan# 1895
Delta R.T. -0.000 min
Lab File: VY004784.D
Acq: 14 May 2021 15:45

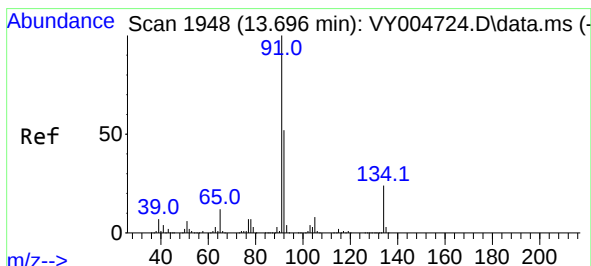
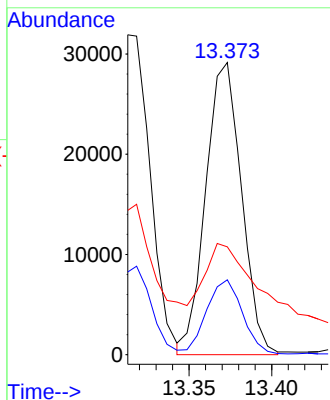
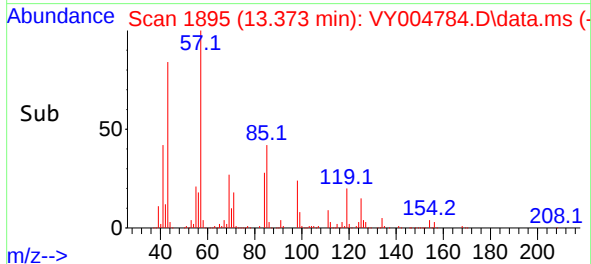
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-3.5-4.0



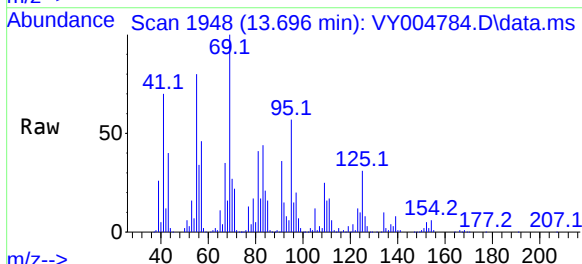
Tgt Ion: 119 Resp: 43888
Ion Ratio Lower Upper
119 100
134 30.5 12.9 38.7
91 38.2 12.0 36.1#

Manual Integrations
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#89
n-Butylbenzene
Concen: 6.98 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY004784.D
Acq: 14 May 2021 15:45



Tgt Ion: 91 Resp: 48030
Ion Ratio Lower Upper
91 100
92 40.2 26.4 79.0
134 0.0 12.6 37.6#

