

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033021\
 Data File : VY004229.D
 Acq On : 30 Mar 2021 12:55
 Operator : SY/MD
 Sample : M1836-11
 Misc : 12.76g/5mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B5-8-10

Manual Integrations
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Quant Time: Mar 31 01:44:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 30 06:38:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	287147	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.697	114	516342	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	460725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	221274	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	168280	60.96	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	121.92%		
35) Dibromofluoromethane	7.728	113	46586	16.19	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	32.38%#		
50) Toluene-d8	10.185	98	768986	71.07	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	142.14%#		
62) 4-Bromofluorobenzene	12.483	95	246033	66.34	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	132.68%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.972	59	2191775	9757.60	ug/l	97
16) Acetone	3.948	43	2190590	3809.09	ug/l #	55
17) Carbon Disulfide	4.204	76	17265	2.53	ug/l	96
25) 2-Butanone	6.996	43	391205	407.20	ug/l #	53
31) Cyclohexane	7.795	56	8339465	1709.46	ug/l	89
39) Methylcyclohexane	9.191	83	7044428	1207.06	ug/l	93
40) Benzene	8.161	78	31498570m	2357.54	ug/l	
52) Toluene	10.252	92	11123451	1294.92	ug/l	84
67) Ethyl Benzene	11.587	91	23491435m	1407.90	ug/l	
68) m/p-Xylenes	11.709	106	19067564	2976.16	ug/l #	1
69) o-Xylene	12.038	106	8432282	1406.64	ug/l	82
73) Isopropylbenzene	12.337	105	4675516	289.23	ug/l	100
78) n-propylbenzene	12.678	91	12122817	648.16	ug/l	94
80) 1,3,5-Trimethylbenzene	12.818	105	4819137	365.43	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	12896248	974.95	ug/l	91
85) sec-Butylbenzene	13.257	105	836159	53.30	ug/l #	52
86) p-Isopropyltoluene	13.373	119	181209m	12.42	ug/l	
89) n-Butylbenzene	13.696	91	1668866	124.36	ug/l #	73
95) Naphthalene	15.239	128	3706464	387.87	ug/l	99

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

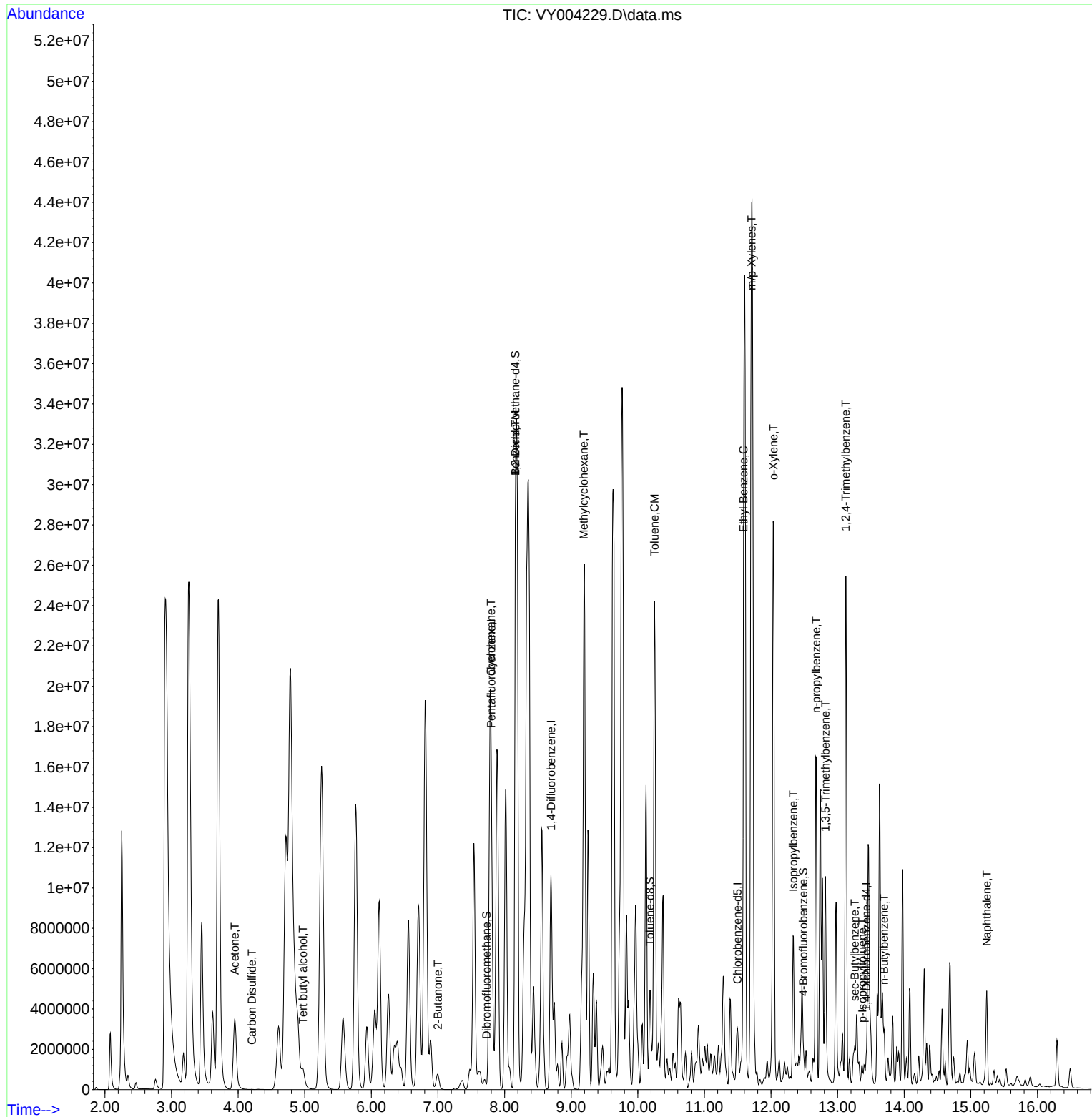
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Data File : VY004229.D
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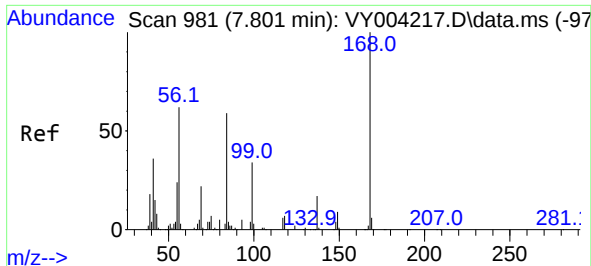
Instrument :
MSVOA_Y
ClientSampleId :
B5-8-10

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Quant Time: Mar 31 01:44:37 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
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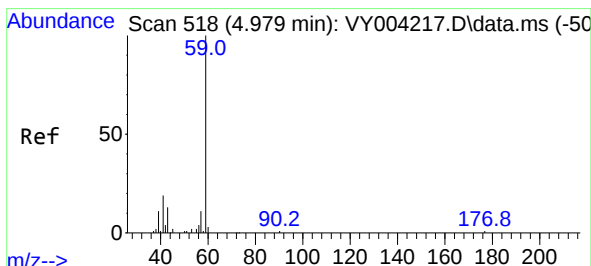
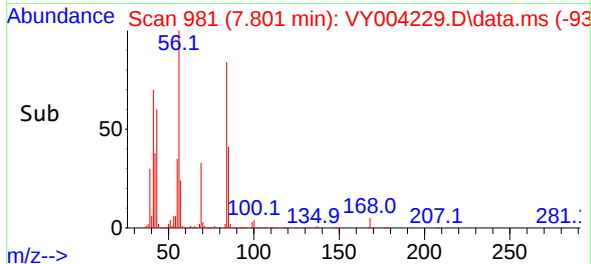
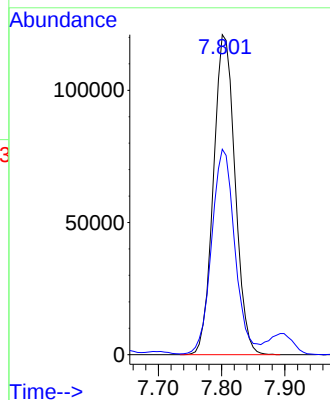
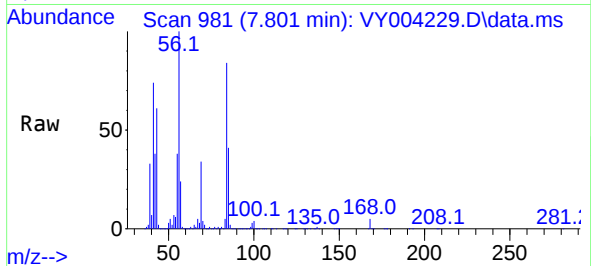
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004229.D
Acq: 30 Mar 2021 12:55

Tgt Ion: 168 Resp: 287147
Ion Ratio Lower Upper
168 100
99 64.0 42.6 64.0#

Instrument :
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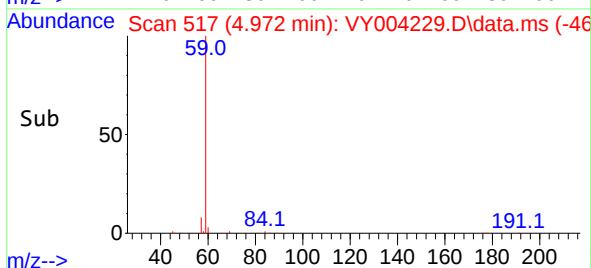
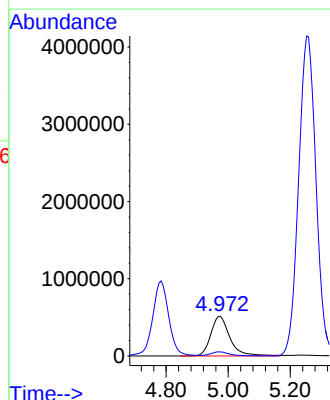
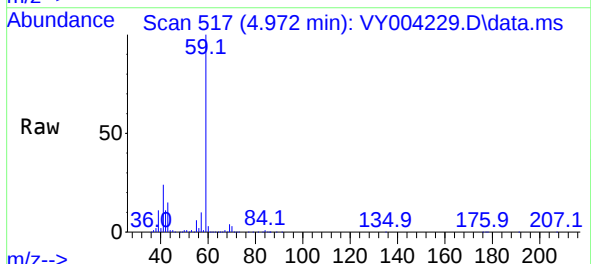
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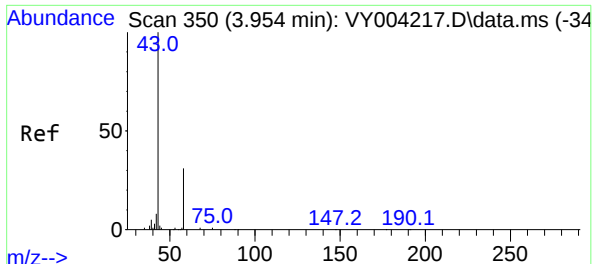
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#11
Tert butyl alcohol
Concen: 9757.60 ug/l
RT: 4.972 min Scan# 517
Delta R.T. -0.006 min
Lab File: VY004229.D
Acq: 30 Mar 2021 12:55

Tgt Ion: 59 Resp: 2191775
Ion Ratio Lower Upper
59 100
57 9.8 8.9 13.3





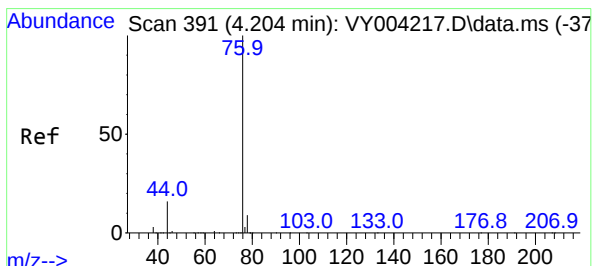
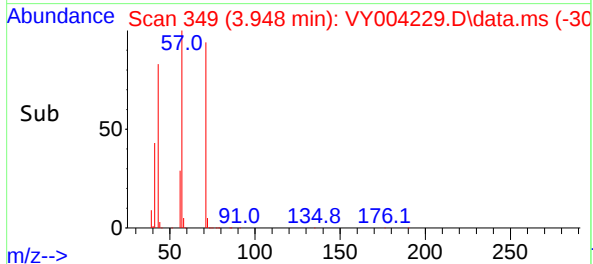
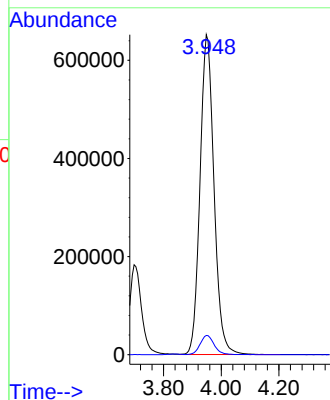
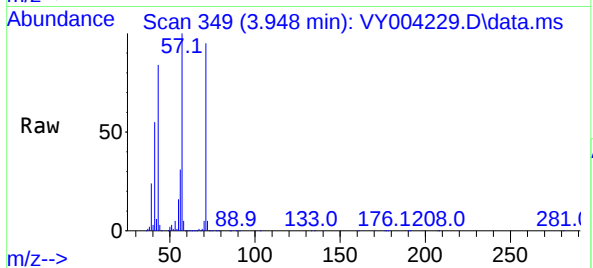
#16
Acetone
Concen: 3809.09 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY004229.D
Acq: 30 Mar 2021 12:55

Tgt Ion: 43 Resp: 2190590
Ion Ratio Lower Upper
43 100
58 6.0 24.5 36.7#

Instrument :
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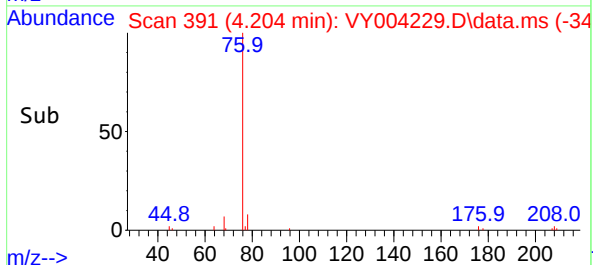
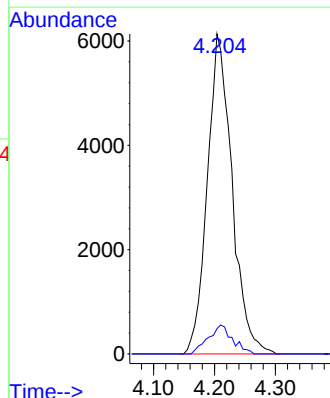
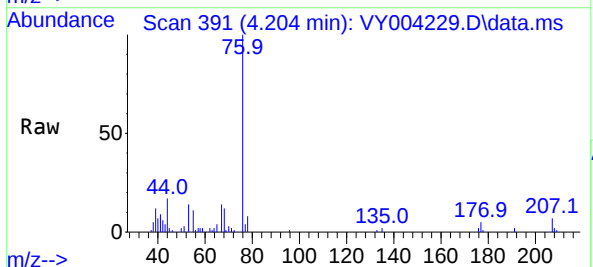
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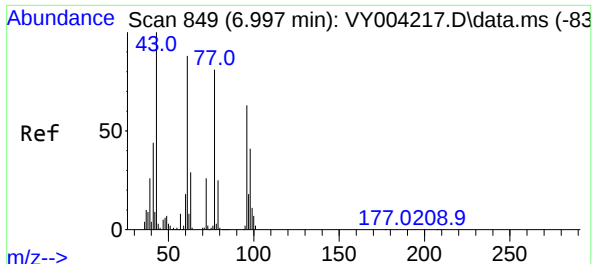
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#17
Carbon Disulfide
Concen: 2.53 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY004229.D
Acq: 30 Mar 2021 12:55

Tgt Ion: 76 Resp: 17265
Ion Ratio Lower Upper
76 100
78 7.9 7.4 11.2





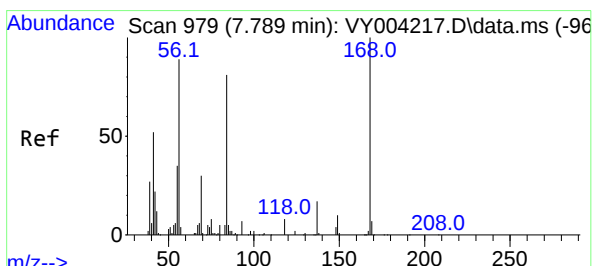
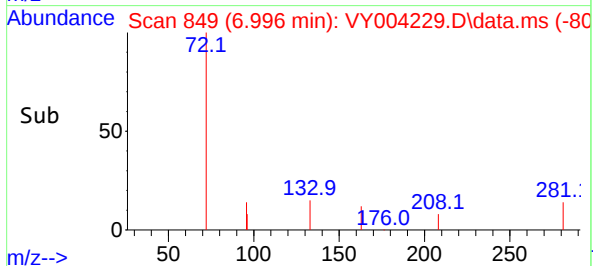
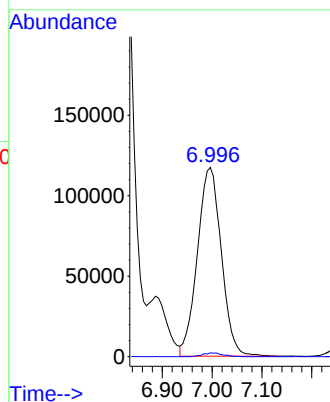
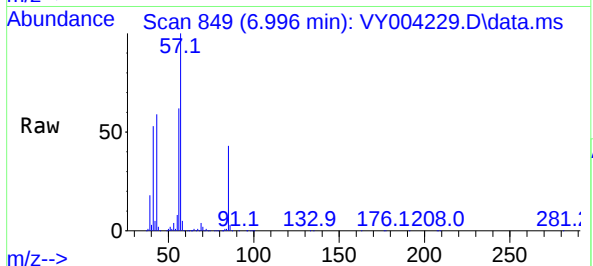
#25
2-Butanone
Concen: 407.20 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.000 min
Lab File: VY004229.D
Acq: 30 Mar 2021 12:55

Tgt Ion: 43 Resp: 391205
Ion Ratio Lower Upper
43 100
72 2.0 21.0 31.6#

Instrument :
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ClientSampled :
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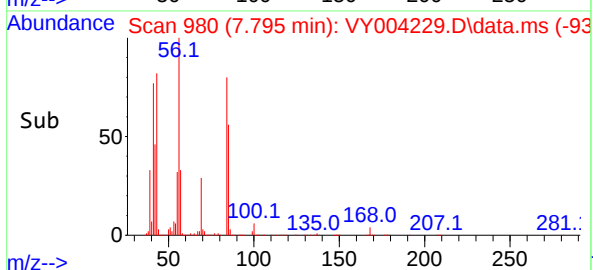
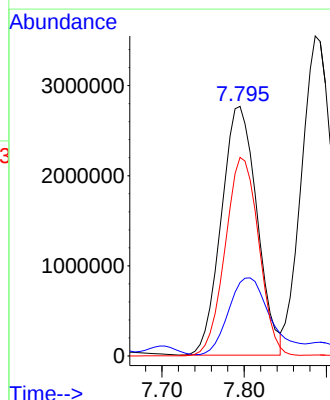
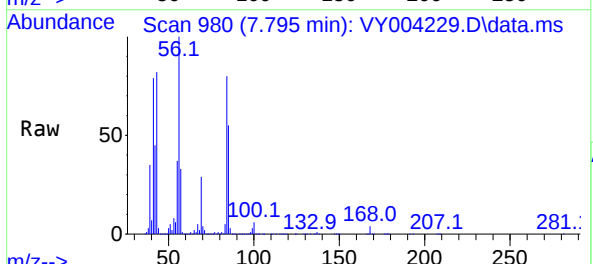
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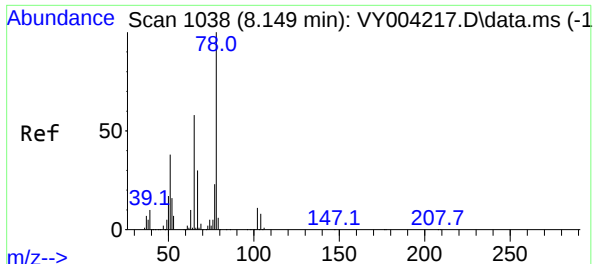
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#31
Cyclohexane
Concen: 1709.46 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY004229.D
Acq: 30 Mar 2021 12:55

Tgt Ion: 56 Resp: 8339465
Ion Ratio Lower Upper
56 100
69 27.6 26.6 40.0
84 79.8 72.3 108.5





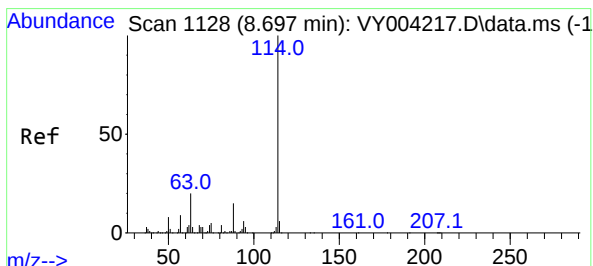
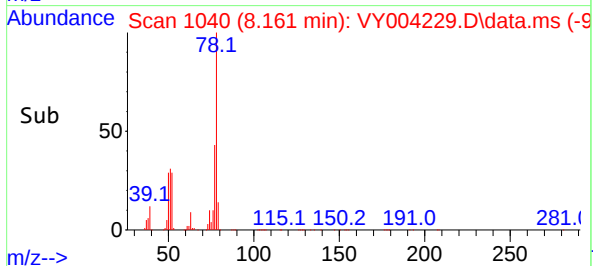
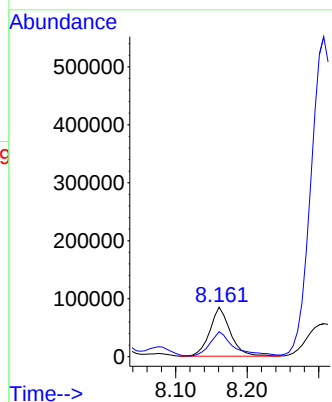
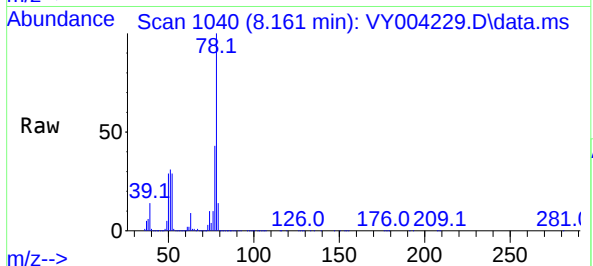
#33
1,2-Dichloroethane-d4
Concen: 60.96 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.012 min
Lab File: VY004229.D
Acq: 30 Mar 2021 12:55

Tgt Ion: 65 Resp: 168280
Ion Ratio Lower Upper
65 100
67 55.9 0.0 103.2

Instrument :
MSVOA_Y
ClientSampled :
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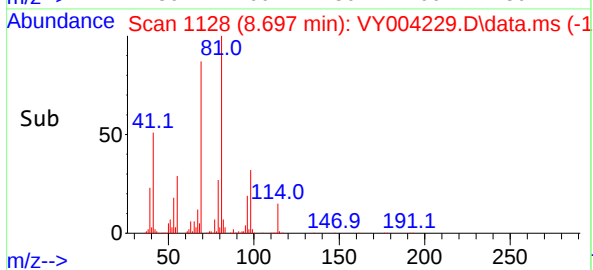
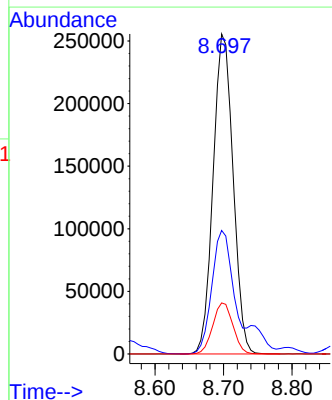
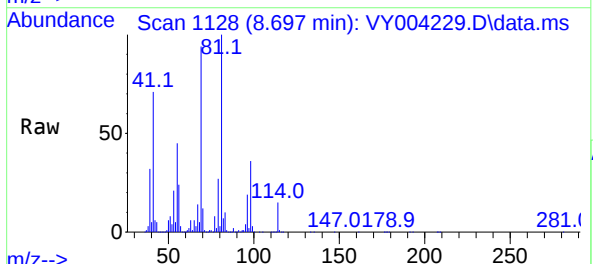
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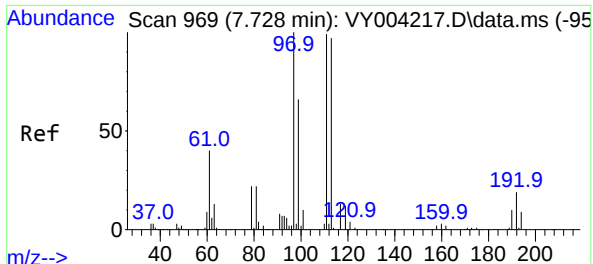
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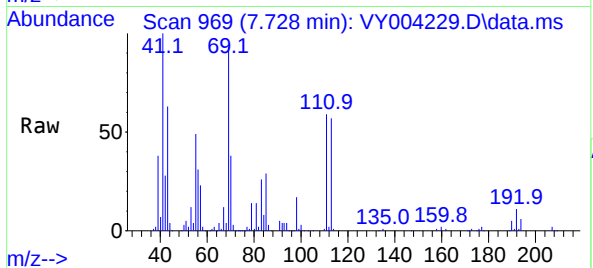
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004229.D
Acq: 30 Mar 2021 12:55

Tgt Ion: 114 Resp: 516342
Ion Ratio Lower Upper
114 100
63 38.5 0.0 40.4
88 16.0 0.0 30.8

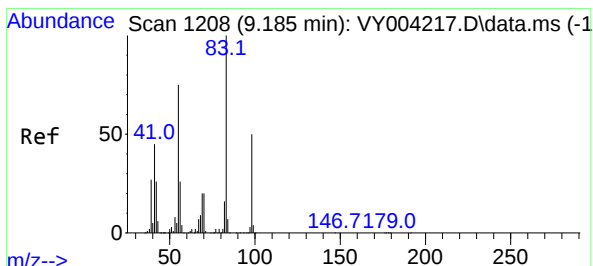
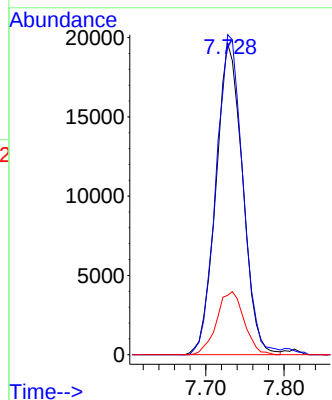
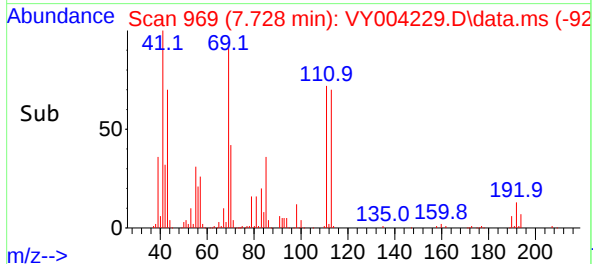




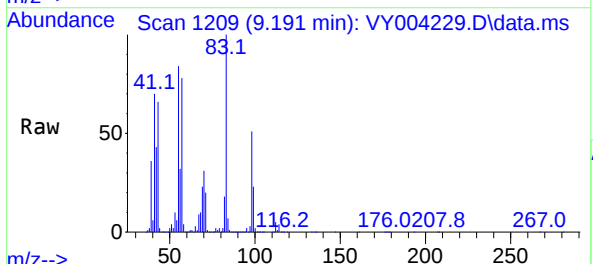
#35
Dibromofluoromethane
Concen: 16.19 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004229.D
Acq: 30 Mar 2021 12:55



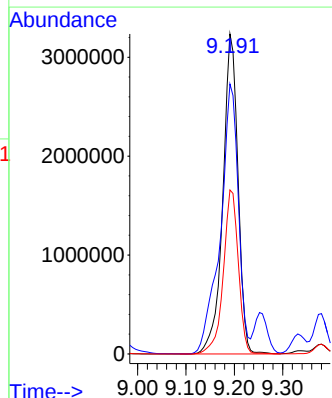
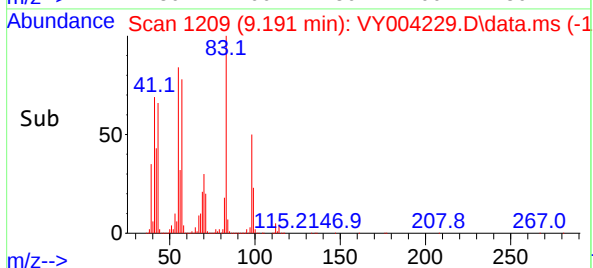
Tgt Ion:113 Resp: 46586
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 20.7 16.4 24.6



#39
Methylcyclohexane
Concen: 1207.06 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. 0.006 min
Lab File: VY004229.D
Acq: 30 Mar 2021 12:55



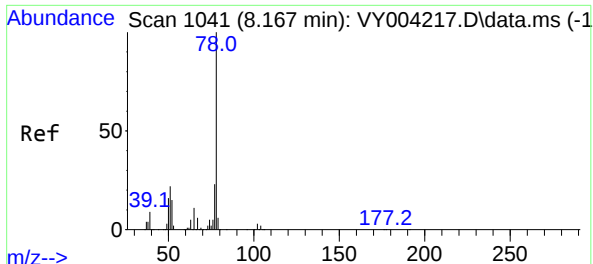
Tgt Ion: 83 Resp: 7044428
Ion Ratio Lower Upper
83 100
55 84.3 60.0 90.0
98 51.2 40.2 60.2



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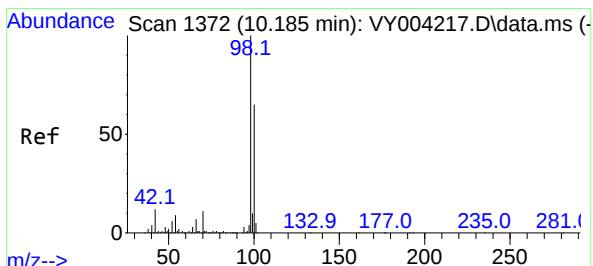
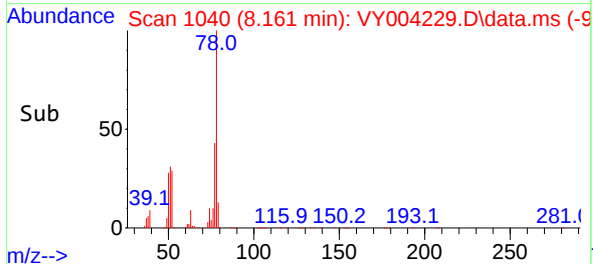
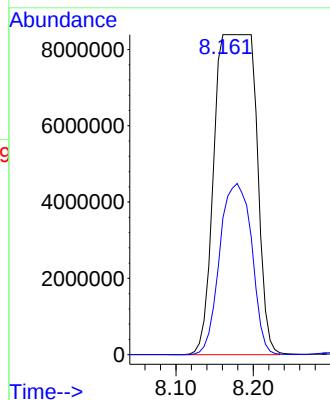
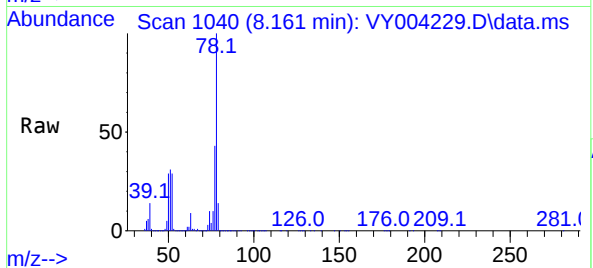
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Benzene
Concen: 2357.54 ug/l m
RT: 8.161 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY004229.D
Acq: 30 Mar 2021 12:55

Tgt Ion: 78 Resp: 31498570
Ion Ratio Lower Upper
78 100
77 42.8 18.3 27.5#

Instrument :
MSVOA_Y
ClientSampled :
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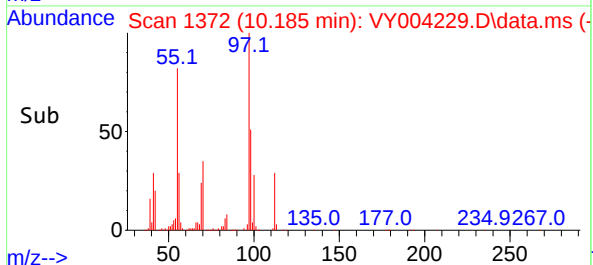
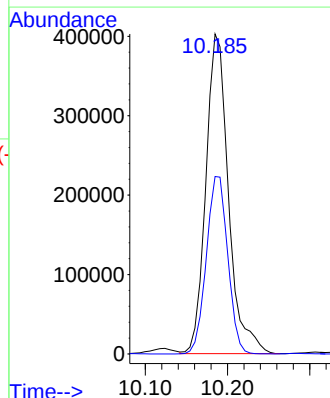
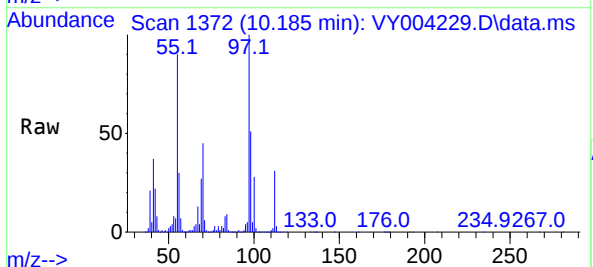
Manual Integrations
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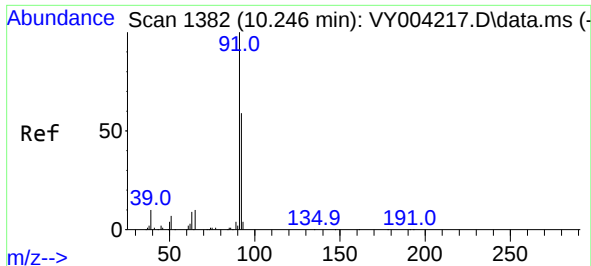
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#50
Toluene-d8
Concen: 71.07 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004229.D
Acq: 30 Mar 2021 12:55

Tgt Ion: 98 Resp: 768986
Ion Ratio Lower Upper
98 100
100 52.6 52.5 78.7





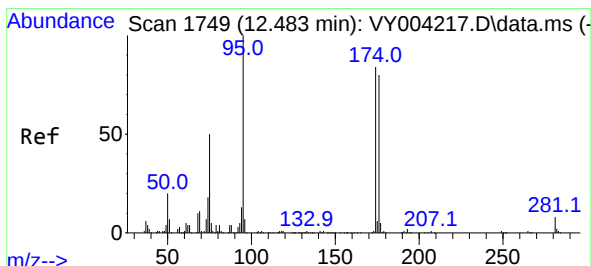
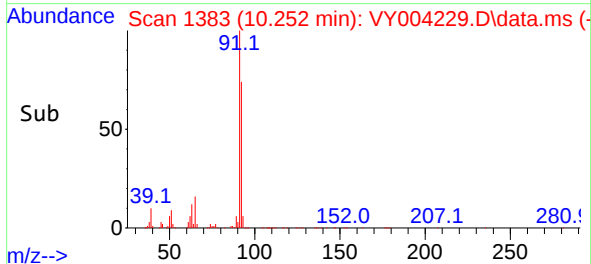
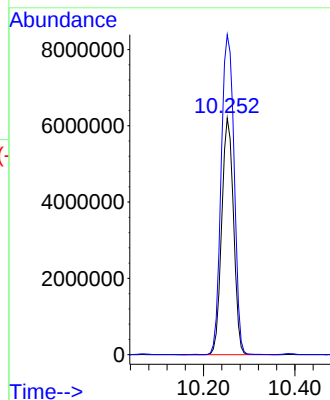
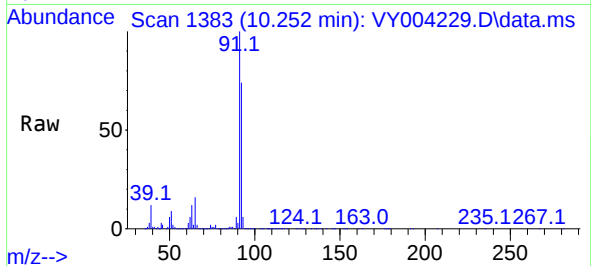
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Toluene
Concen: 1294.92 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VY004229.D
Acq: 30 Mar 2021 12:55

Tgt Ion: 92 Resp: 11123451
Ion Ratio Lower Upper
92 100
91 147.8 136.0 204.0

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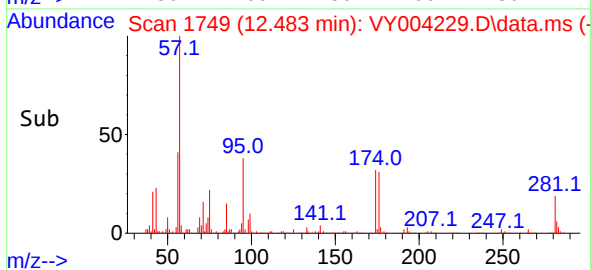
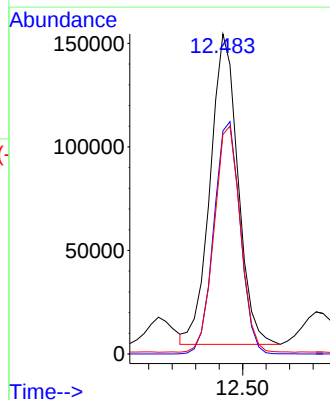
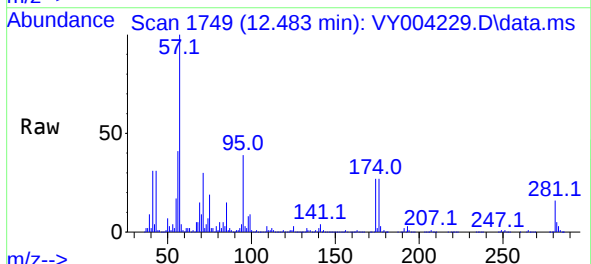
Manual Integrations
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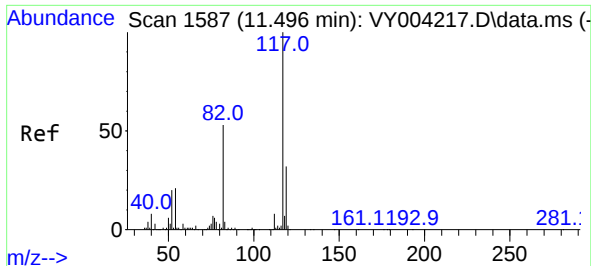
MMDadoda
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#62
4-Bromofluorobenzene
Concen: 66.34 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004229.D
Acq: 30 Mar 2021 12:55

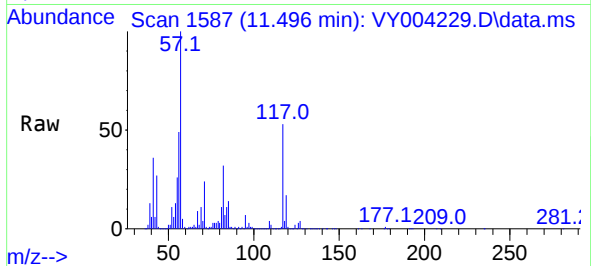
Tgt Ion: 95 Resp: 246033
Ion Ratio Lower Upper
95 100
174 70.9 0.0 171.4
176 68.9 0.0 165.6





#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004229.D
Acq: 30 Mar 2021 12:55

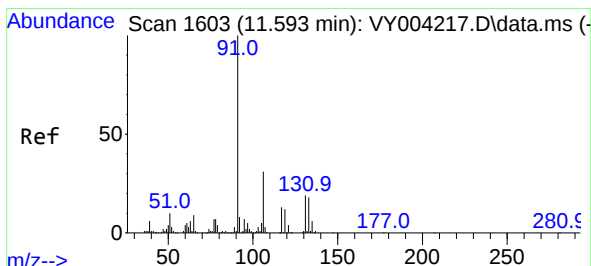
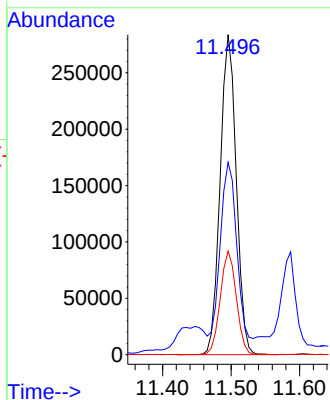
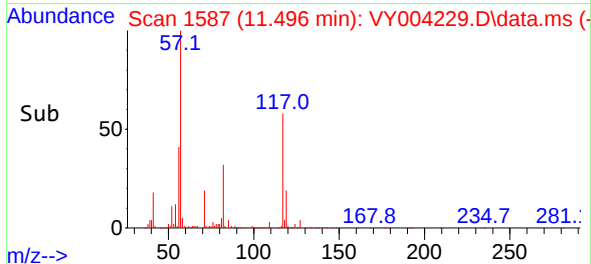
Instrument :
MSVOA_Y
ClientSampled :
B5-8-10



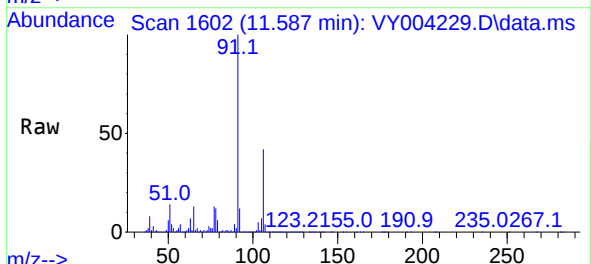
Tgt Ion:117 Resp: 460725
Ion Ratio Lower Upper
117 100
82 53.4 42.7 64.1
119 32.4 25.7 38.5

Manual Integrations
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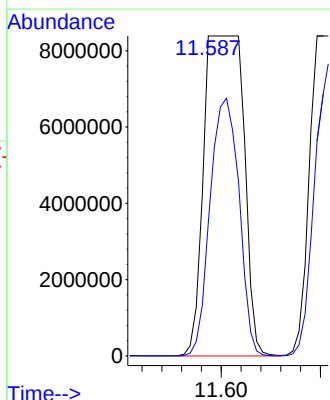
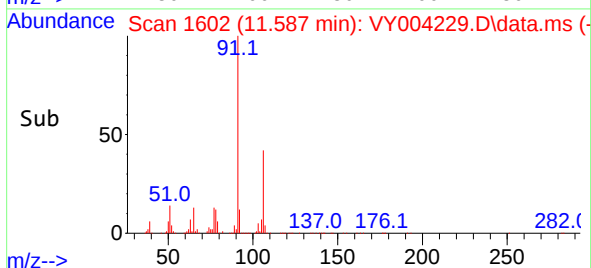
MMDadoda
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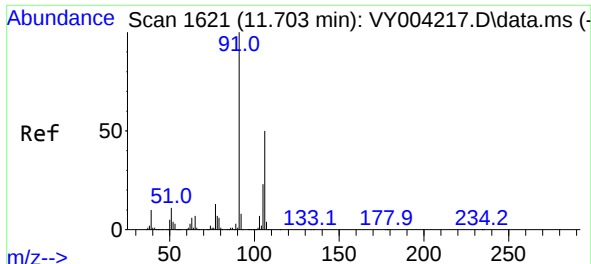


#67
Ethyl Benzene
Concen: 1407.90 ug/l m
RT: 11.587 min Scan# 1602
Delta R.T. -0.006 min
Lab File: VY004229.D
Acq: 30 Mar 2021 12:55



Tgt Ion: 91 Resp:23491435
Ion Ratio Lower Upper
91 100
106 41.6 25.0 37.6#





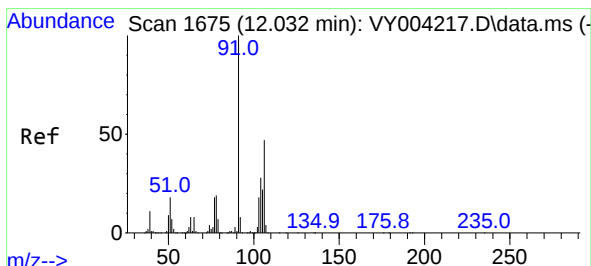
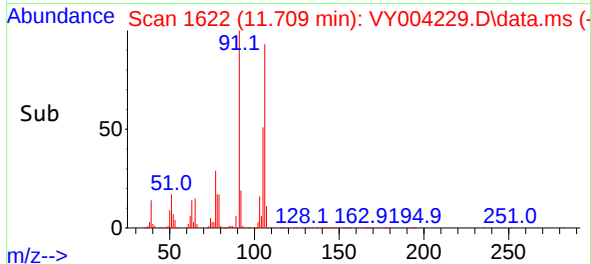
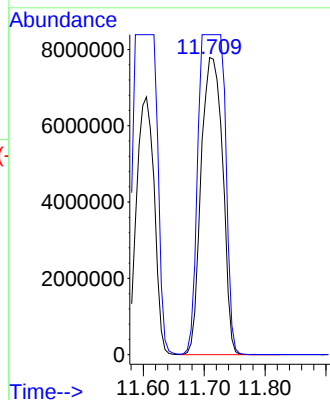
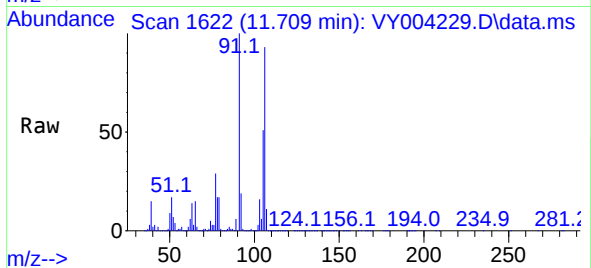
#68
m/p-Xylenes
Concen: 2976.16 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VY004229.D
Acq: 30 Mar 2021 12:55

Tgt Ion:106 Resp:19067564
Ion Ratio Lower Upper
106 100
91 0.0 159.8 239.6#

Instrument :
MSVOA_Y
ClientSampled :
B5-8-10

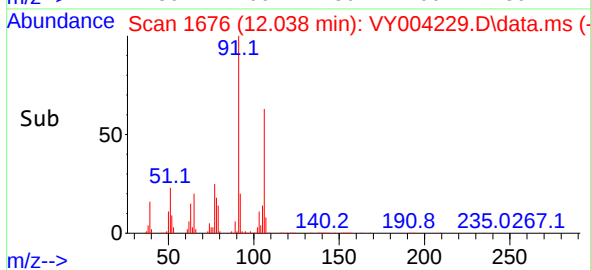
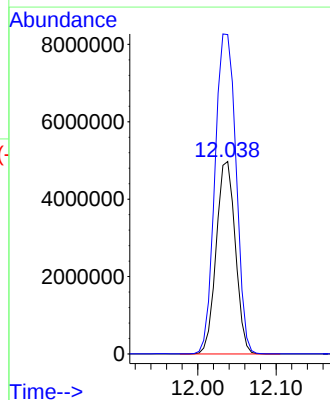
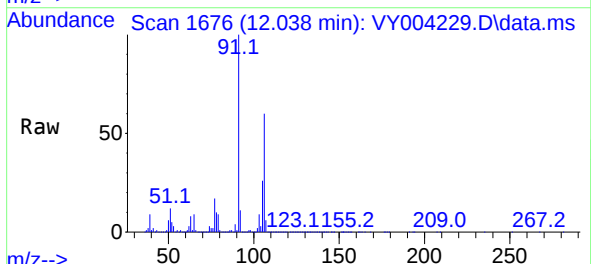
Manual Integrations
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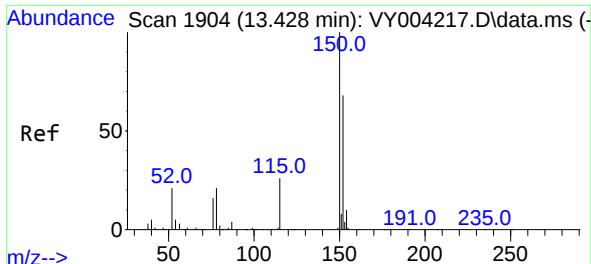
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#69
o-Xylene
Concen: 1406.64 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VY004229.D
Acq: 30 Mar 2021 12:55

Tgt Ion:106 Resp: 8432282
Ion Ratio Lower Upper
106 100
91 183.2 105.6 316.8





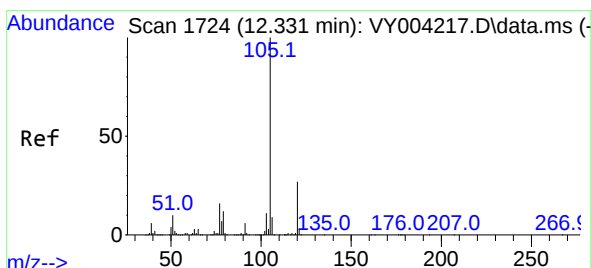
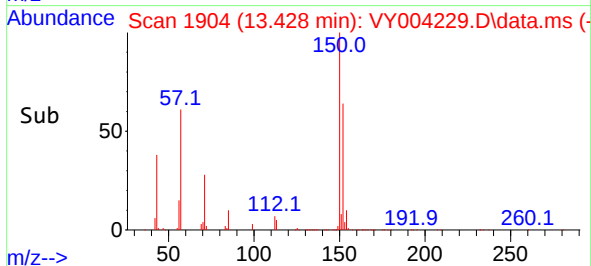
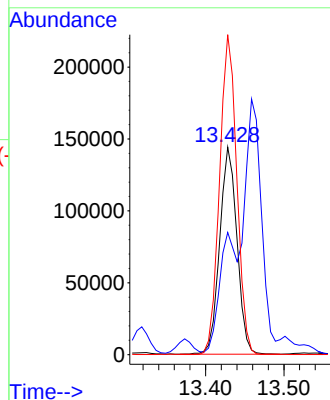
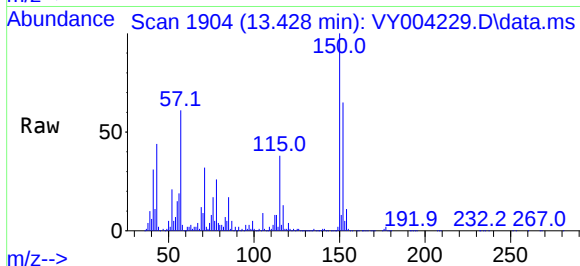
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004229.D
Acq: 30 Mar 2021 12:55

Tgt Ion:152 Resp: 221274
Ion Ratio Lower Upper
152 100
115 57.0 29.0 87.1
150 153.9 0.0 347.4

Instrument :
MSVOA_Y
ClientSampled :
B5-8-10

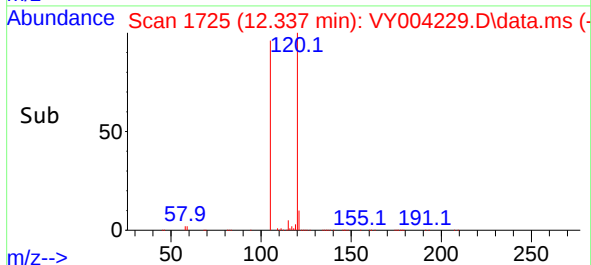
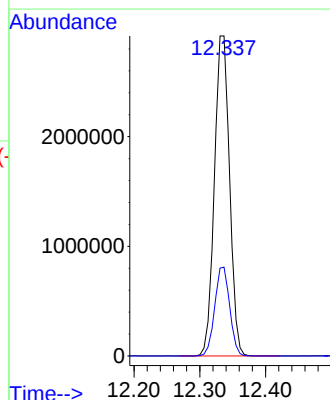
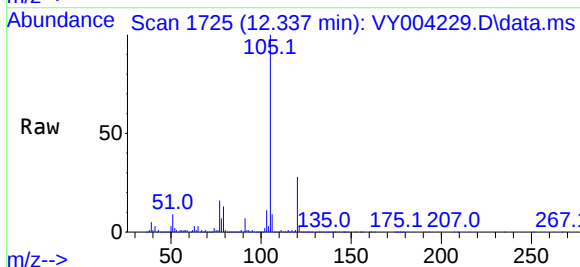
Manual Integrations
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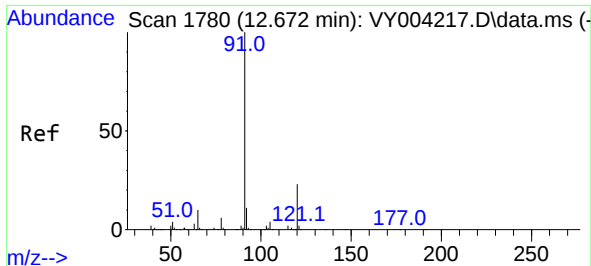
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#73
Isopropylbenzene
Concen: 289.23 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY004229.D
Acq: 30 Mar 2021 12:55

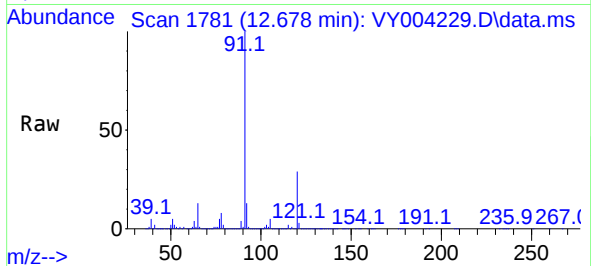
Tgt Ion:105 Resp: 4675516
Ion Ratio Lower Upper
105 100
120 27.4 13.7 41.0





#78
n-propylbenzene
Concen: 648.16 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. 0.006 min
Lab File: VY004229.D
Acq: 30 Mar 2021 12:55

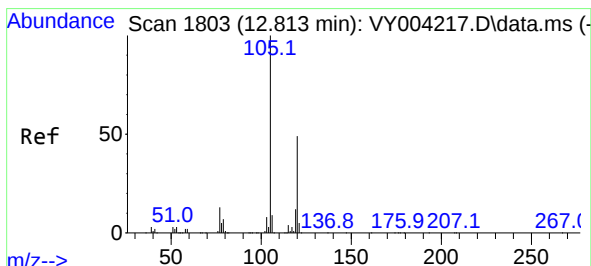
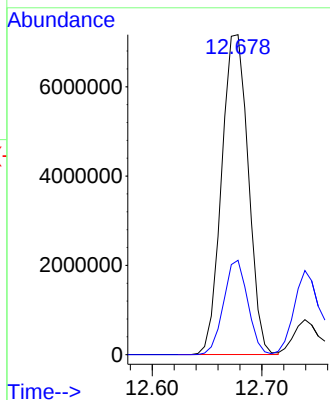
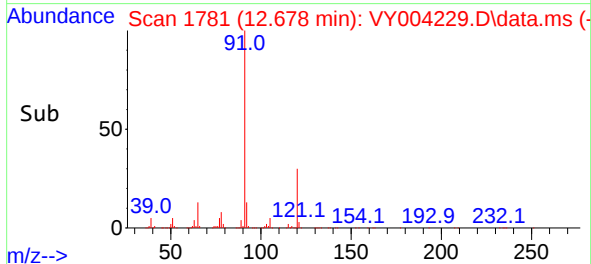
Instrument :
MSVOA_Y
ClientSampled :
B5-8-10



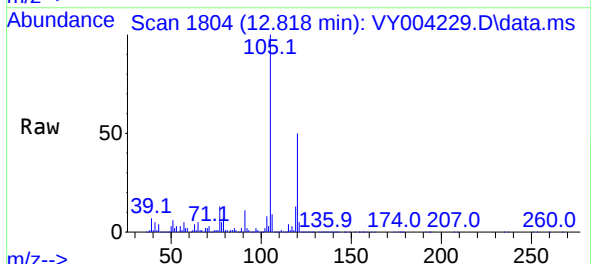
Tgt Ion: 91 Resp:12122817
Ion Ratio Lower Upper
91 100
120 26.8 11.9 35.5

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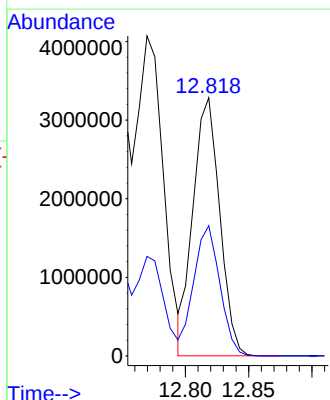
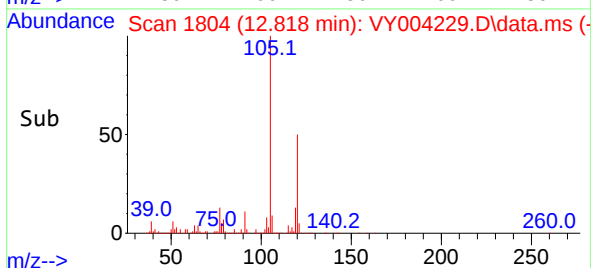
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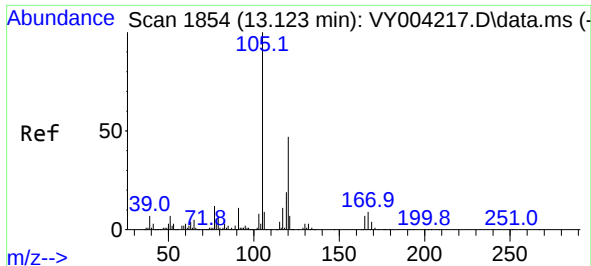


#80
1,3,5-Trimethylbenzene
Concen: 365.43 ug/l
RT: 12.818 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY004229.D
Acq: 30 Mar 2021 12:55



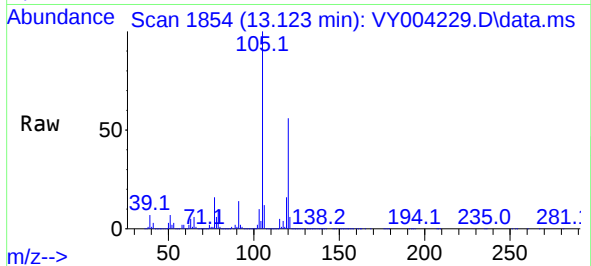
Tgt Ion:105 Resp: 4819137
Ion Ratio Lower Upper
105 100
120 49.6 24.9 74.7





#84
1,2,4-Trimethylbenzene
Concen: 974.95 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004229.D
Acq: 30 Mar 2021 12:55

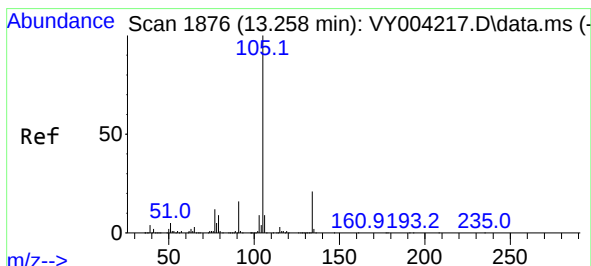
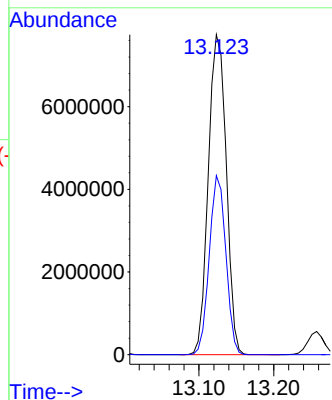
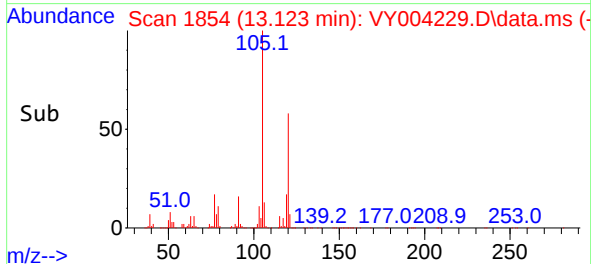
Instrument :
MSVOA_Y
ClientSampled :
B5-8-10



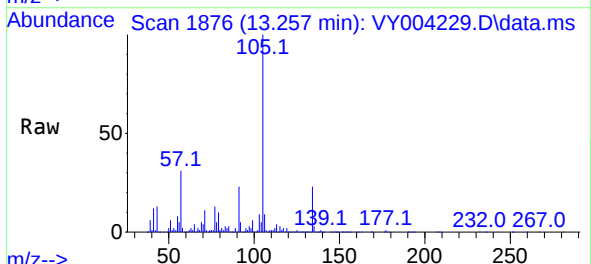
Tgt Ion:105 Resp:12896248
Ion Ratio Lower Upper
105 100
120 51.7 22.9 68.7

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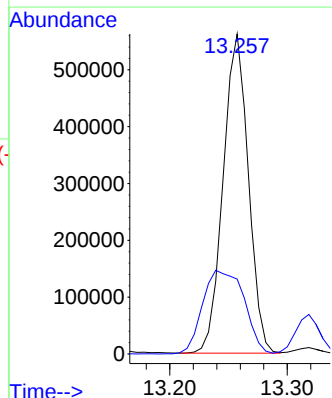
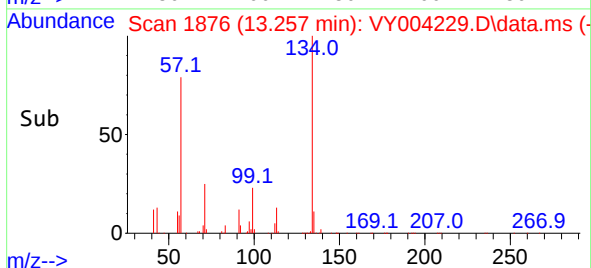
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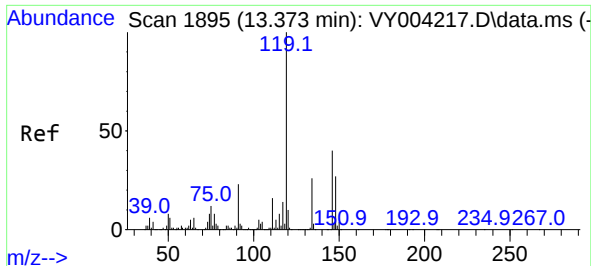


#85
sec-Butylbenzene
Concen: 53.30 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VY004229.D
Acq: 30 Mar 2021 12:55



Tgt Ion:105 Resp: 836159
Ion Ratio Lower Upper
105 100
134 43.1 10.4 31.4#





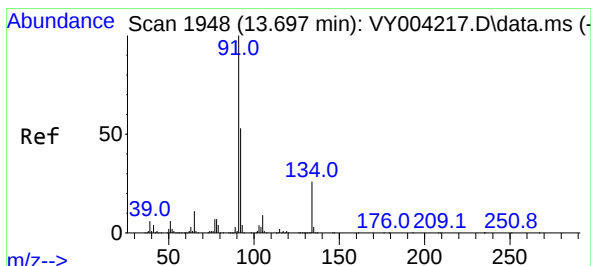
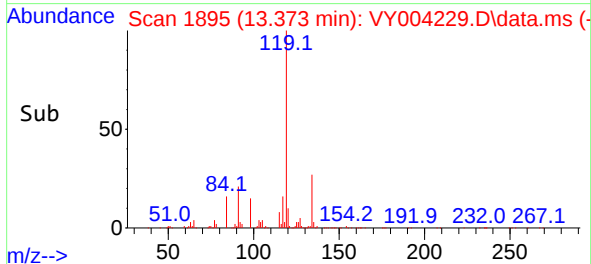
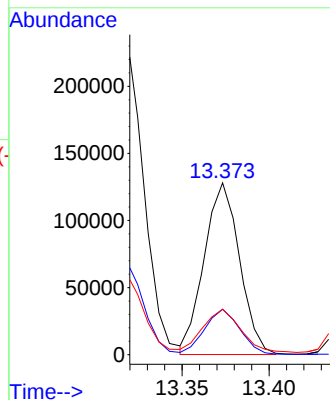
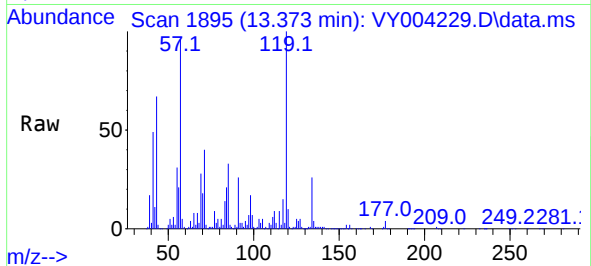
#86
p-Isopropyltoluene
Concen: 12.42 ug/l m
RT: 13.373 min Scan# 1895
Delta R.T. -0.000 min
Lab File: VY004229.D
Acq: 30 Mar 2021 12:55

Tgt Ion: 119 Resp: 181209
Ion Ratio Lower Upper
119 100
134 55.1 13.3 39.9#
91 44.3 12.0 36.0#

Instrument :
MSVOA_Y
ClientSampled :
B5-8-10

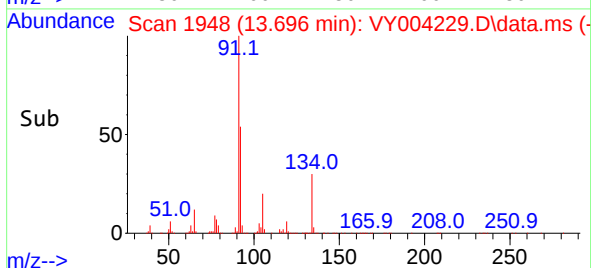
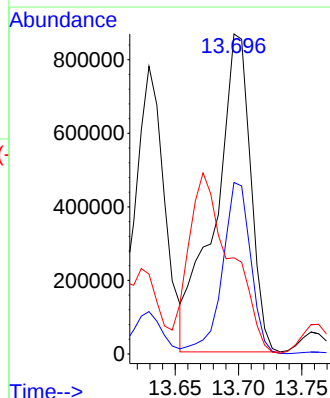
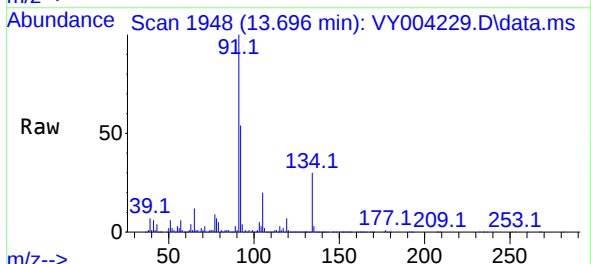
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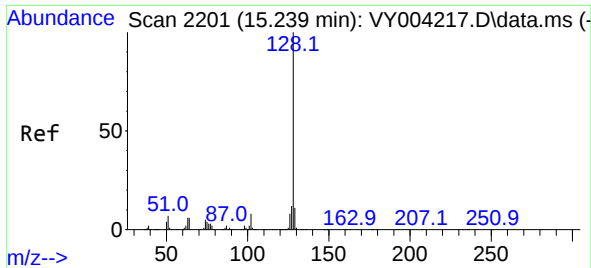
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#89
n-Butylbenzene
Concen: 124.36 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY004229.D
Acq: 30 Mar 2021 12:55

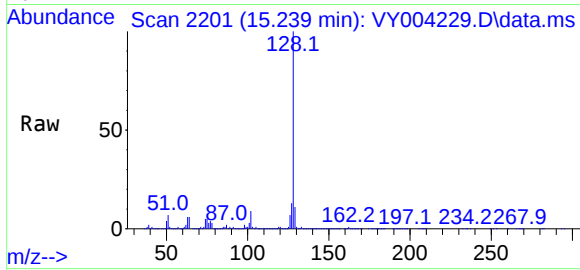
Tgt Ion: 91 Resp: 1668866
Ion Ratio Lower Upper
91 100
92 43.5 26.5 79.4
134 0.0 13.6 40.7#





#95
Naphthalene
Concen: 387.87 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004229.D
Acq: 30 Mar 2021 12:55

Instrument :
MSVOA_Y
ClientSampleId :
B5-8-10



Tgt Ion:128 Resp: 3706464

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.1	15.1
129	11.0	8.9	13.3

Manual Integrations
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