

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033021\
 Data File : VY004227.D
 Acq On : 30 Mar 2021 12:09
 Operator : SY/MD
 Sample : M1836-09
 Misc : 7.57g/5mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B4-8-10

Manual Integrations
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 4/8/2021 2:59:23 PM

Quant Time: Apr 01 02:58:42 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	7.832	168	174085	50.00	ug/l	# 0.03
34) 1,4-Difluorobenzene	8.716	114	346391	50.00	ug/l	# 0.02
63) Chlorobenzene-d5	11.514	117	350401	50.00	ug/l	# 0.02
72) 1,4-Dichlorobenzene-d4	13.434	152	45382	50.00	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	87686	52.40	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.80%			
35) Dibromofluoromethane	7.740	113	24399	12.64	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 25.28%#			
50) Toluene-d8	10.234	98	1138480	156.83	ug/l	0.05
Spiked Amount 50.000	Range 49 - 140		Recovery = 313.66%#			
62) 4-Bromofluorobenzene	12.495	95	260641	104.76	ug/l	0.01
Spiked Amount 50.000	Range 25 - 144		Recovery = 209.52%#			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.991	59	2005933	14730.13	ug/l #	71
16) Acetone	3.966	43	13731264	39383.40	ug/l #	55
17) Carbon Disulfide	4.210	76	78225	18.89	ug/l	97
19) Methyl tert-butyl Ether	5.204	73	92635769m	19914.89	ug/l	
31) Cyclohexane	7.832	56	21706066	7339.14	ug/l	92
39) Methylcyclohexane	9.215	83	27671063	7067.75	ug/l #	93
40) Benzene	8.167	78	49304874m	5500.85	ug/l	
52) Toluene	10.252	92	54227014m	9409.98	ug/l	
67) Ethyl Benzene	11.587	91	58104327m	4578.75	ug/l	
68) m/p-Xylenes	11.709	106	53338541m	10946.58	ug/l	
69) o-Xylene	12.050	106	37179439m	8154.87	ug/l	
73) Isopropylbenzene	12.343	105	20143128	6075.49	ug/l	79
78) n-propylbenzene	12.672	91	28252558m	7365.22	ug/l	
80) 1,3,5-Trimethylbenzene	12.812	105	19944610m	7374.16	ug/l	
84) 1,2,4-Trimethylbenzene	13.117	105	31132742m	11475.85	ug/l	
85) sec-Butylbenzene	13.263	105	2361751	734.08	ug/l #	53
86) p-Isopropyltoluene	13.379	119	1023863	342.09	ug/l	98
89) n-Butylbenzene	13.702	91	2699425	980.80	ug/l #	69
95) Naphthalene	15.239	128	5522527	2817.82	ug/l	99

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

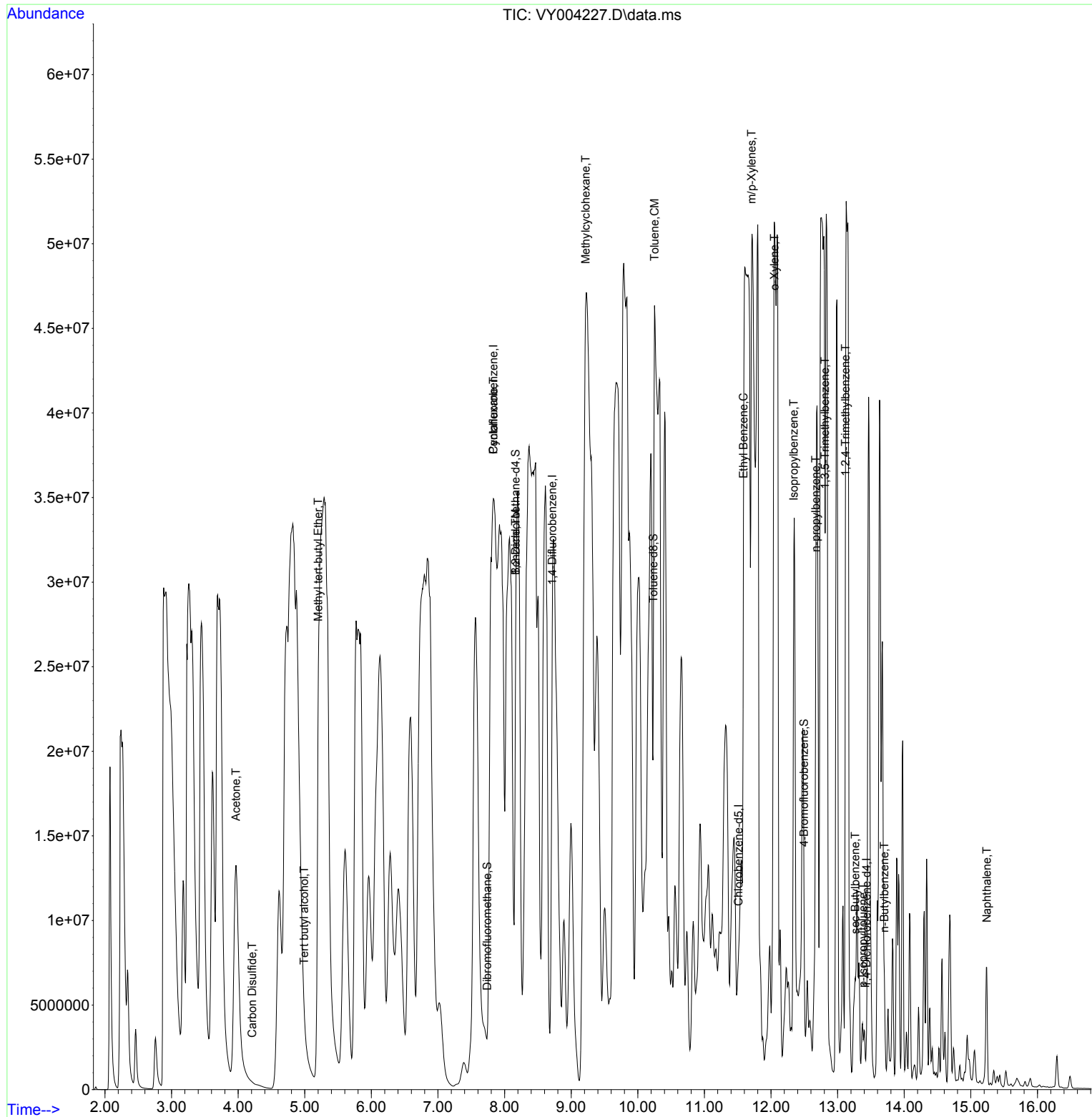
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Data File : VY004227.D
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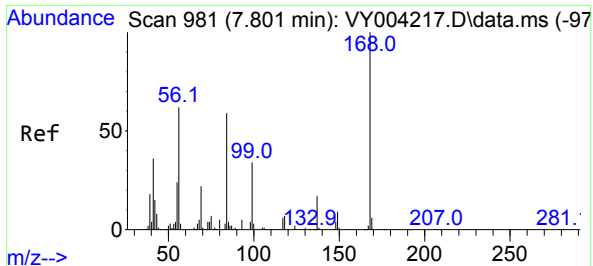
Instrument :
MSVOA_Y
ClientSampleId :
B4-8-10

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Quant Time: Apr 01 02:58:42 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
Quant Title : SW846 8260
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Response via : Initial Calibration





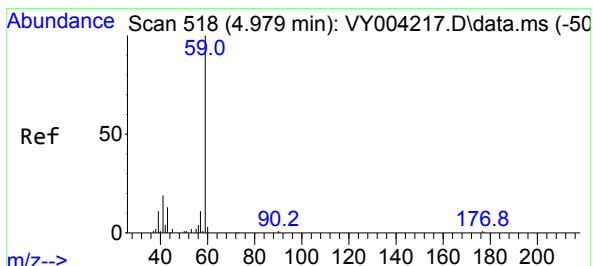
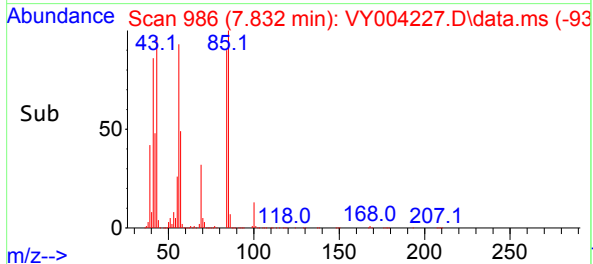
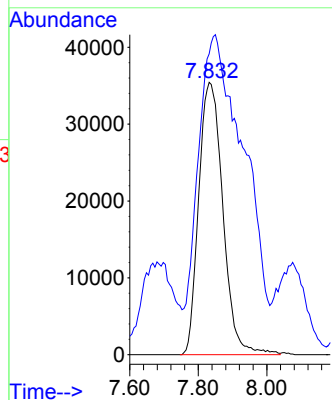
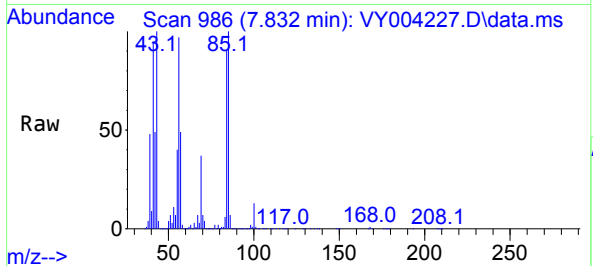
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.832 min Scan# 986
Delta R.T. 0.031 min
Lab File: VY004227.D
Acq: 30 Mar 2021 12:09

Tgt Ion:168 Resp: 174085
Ion Ratio Lower Upper
168 100
99 92.4 42.6 64.0#

Instrument :
MSVOA_Y
ClientSampled :
B4-8-10

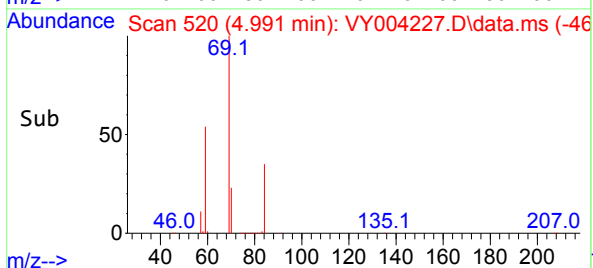
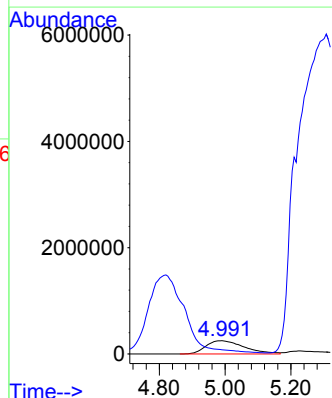
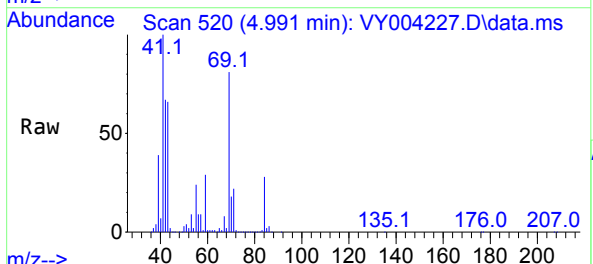
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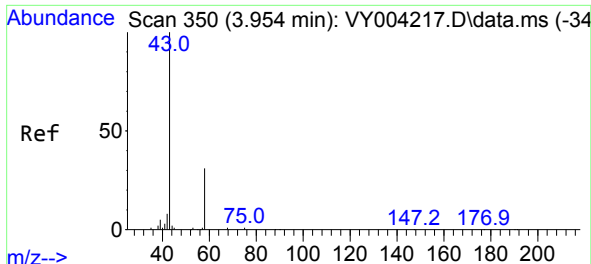
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#11
Tert butyl alcohol
Concen: 14730.13 ug/l
RT: 4.991 min Scan# 520
Delta R.T. 0.012 min
Lab File: VY004227.D
Acq: 30 Mar 2021 12:09

Tgt Ion: 59 Resp: 2005933
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#





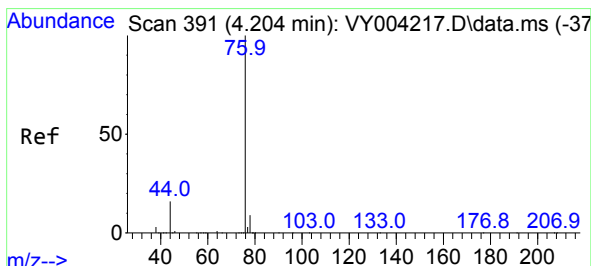
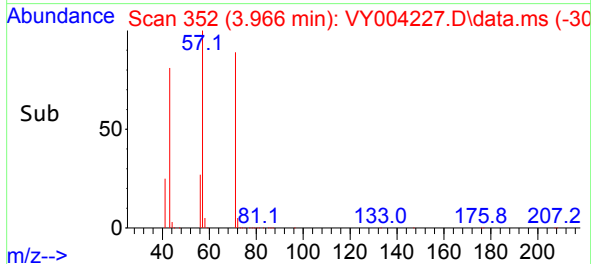
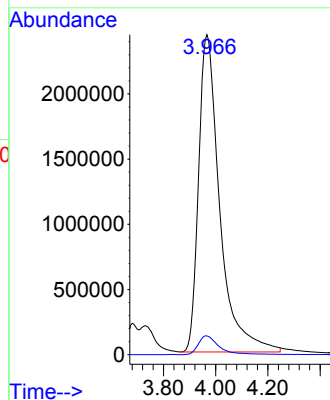
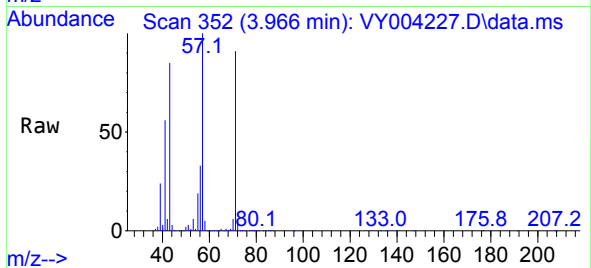
#16
Acetone
Concen: 39383.40 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.012 min
Lab File: VY004227.D
Acq: 30 Mar 2021 12:09

Tgt Ion: 43 Resp:13731264
Ion Ratio Lower Upper
43 100
58 5.9 24.5 36.7#

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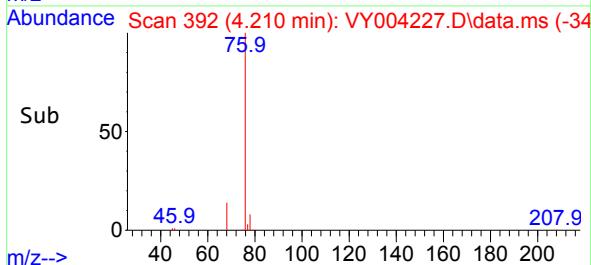
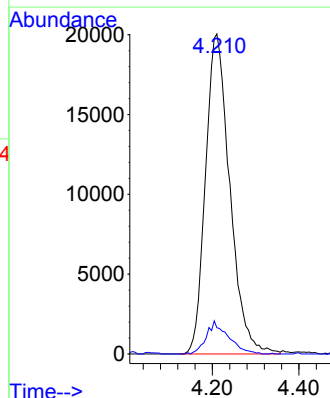
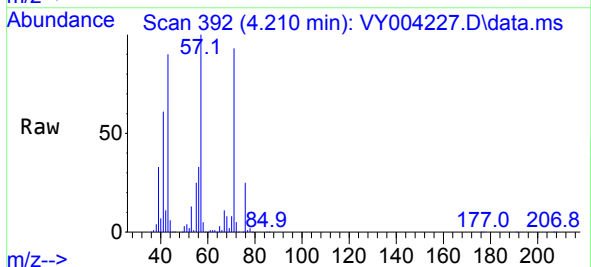
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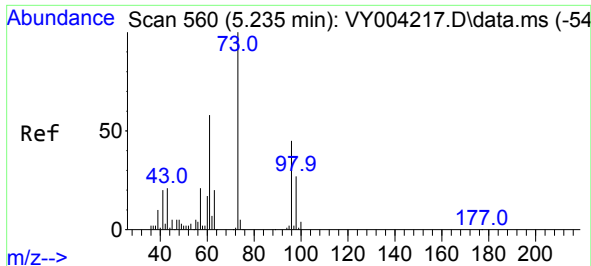
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#17
Carbon Disulfide
Concen: 18.89 ug/l
RT: 4.210 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY004227.D
Acq: 30 Mar 2021 12:09

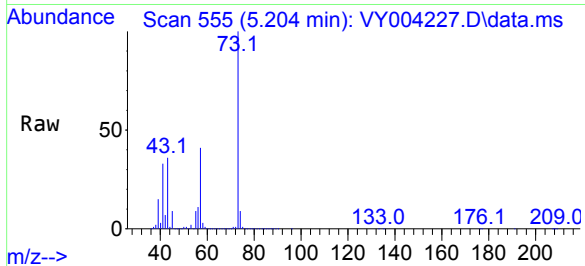
Tgt Ion: 76 Resp: 78225
Ion Ratio Lower Upper
76 100
78 8.2 7.4 11.2





#19
Methyl tert-butyl Ether
Concen: 19914.89 ug/l m
RT: 5.204 min Scan# 555
Delta R.T. -0.031 min
Lab File: VY004227.D
Acq: 30 Mar 2021 12:09

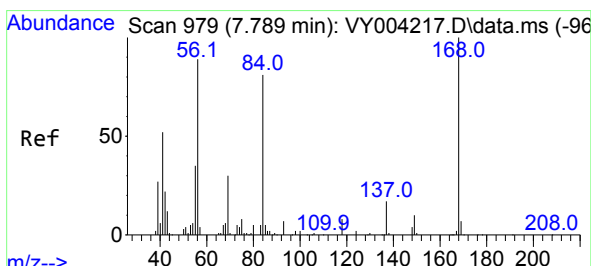
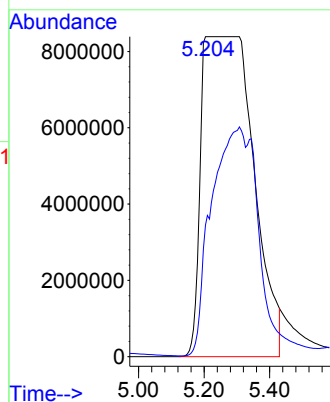
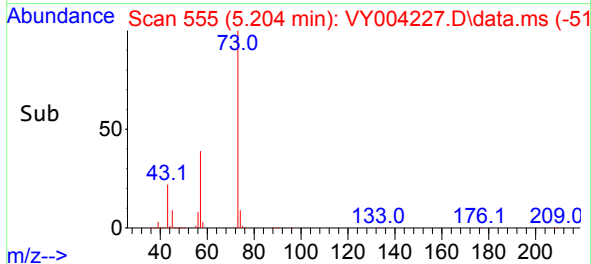
Instrument :
MSVOA_Y
ClientSampled :
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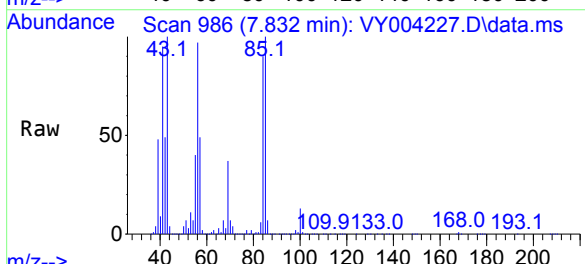
Tgt Ion: 73 Resp:92635769
Ion Ratio Lower Upper
73 100
57 41.1 17.0 25.4#

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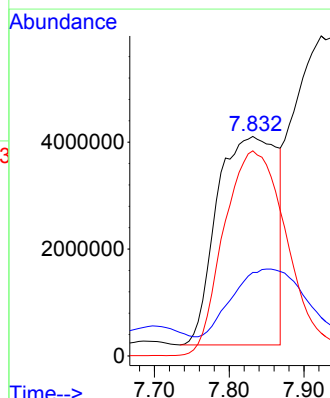
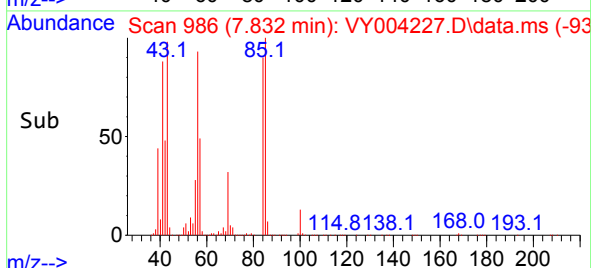
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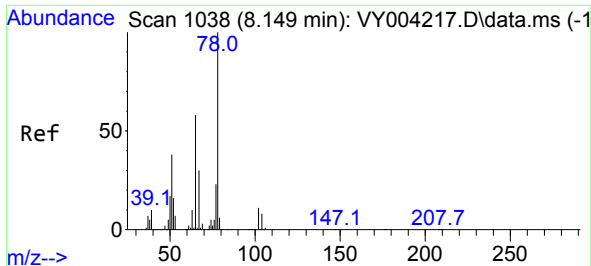


#31
Cyclohexane
Concen: 7339.14 ug/l
RT: 7.832 min Scan# 986
Delta R.T. 0.042 min
Lab File: VY004227.D
Acq: 30 Mar 2021 12:09



Tgt Ion: 56 Resp:21706066
Ion Ratio Lower Upper
56 100
69 28.7 26.6 40.0
84 98.0 72.3 108.5





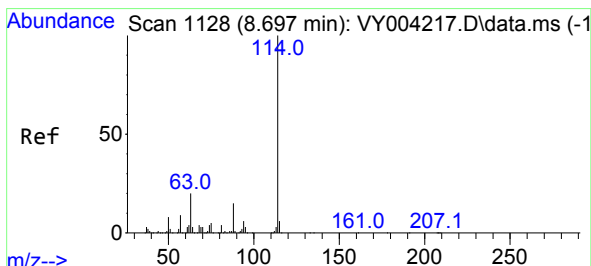
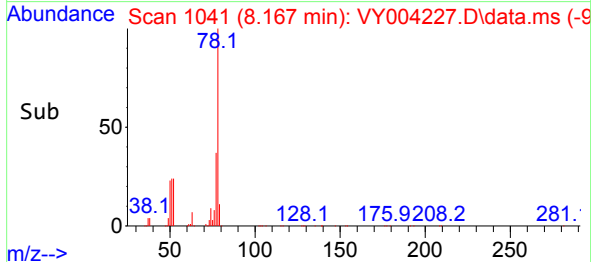
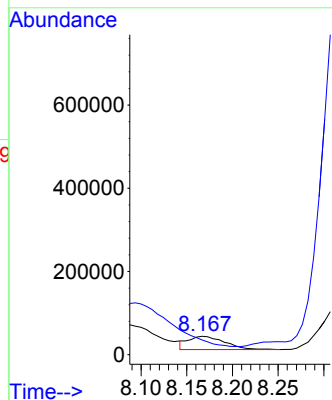
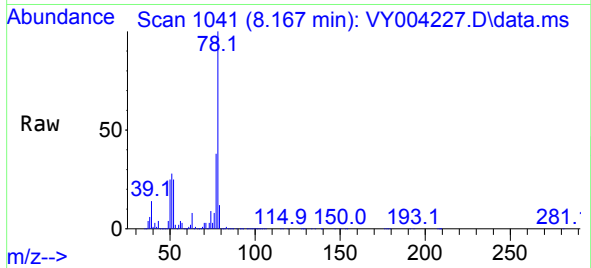
#33
1,2-Dichloroethane-d4
Concen: 52.40 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.018 min
Lab File: VY004227.D
Acq: 30 Mar 2021 12:09

Tgt Ion: 65 Resp: 87686
Ion Ratio Lower Upper
65 100
67 0.0 0.0 103.2

Instrument :
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ClientSampled :
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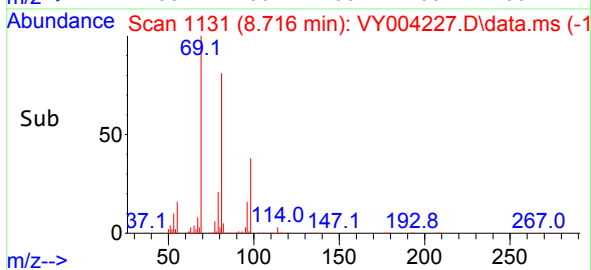
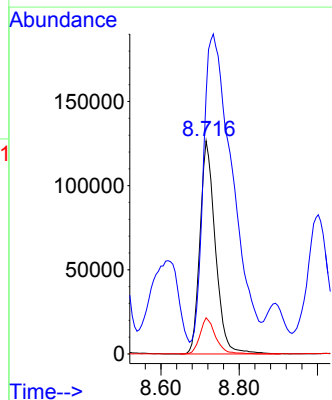
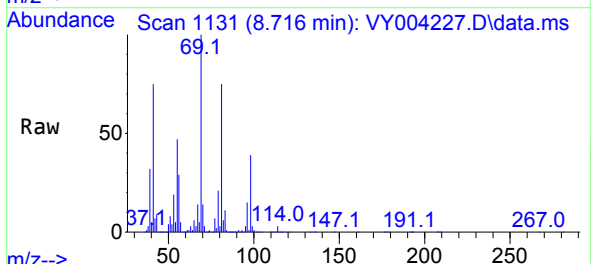
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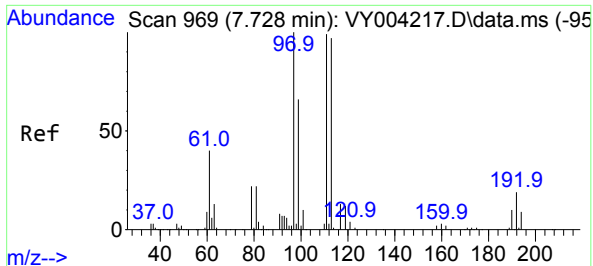
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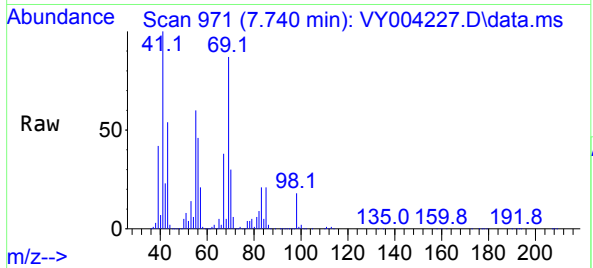
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.716 min Scan# 1131
Delta R.T. 0.019 min
Lab File: VY004227.D
Acq: 30 Mar 2021 12:09

Tgt Ion: 114 Resp: 346391
Ion Ratio Lower Upper
114 100
63 101.2 0.0 40.4#
88 16.9 0.0 30.8

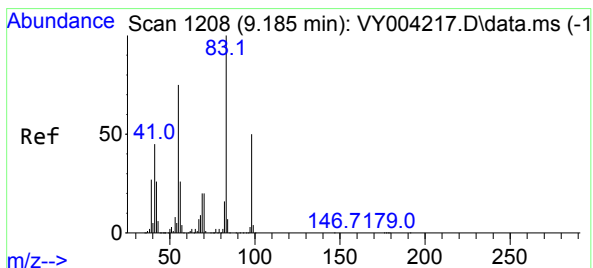
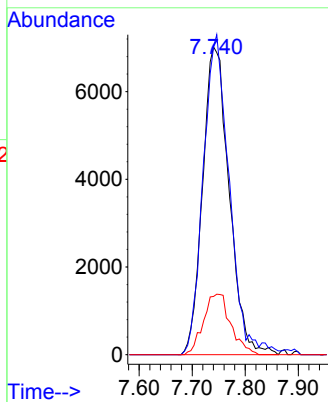
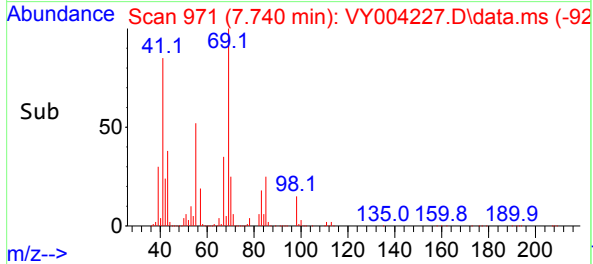




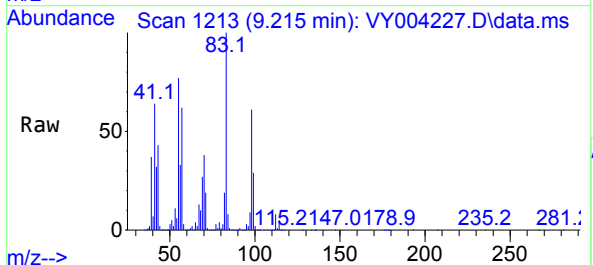
#35
Dibromofluoromethane
Concen: 12.64 ug/l
RT: 7.740 min Scan# 971
Delta R.T. 0.012 min
Lab File: VY004227.D
Acq: 30 Mar 2021 12:09



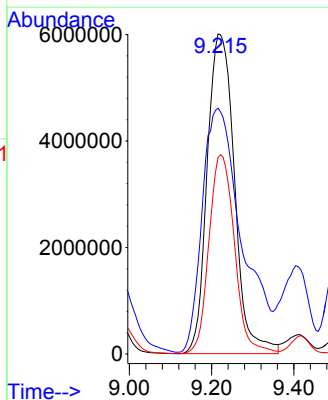
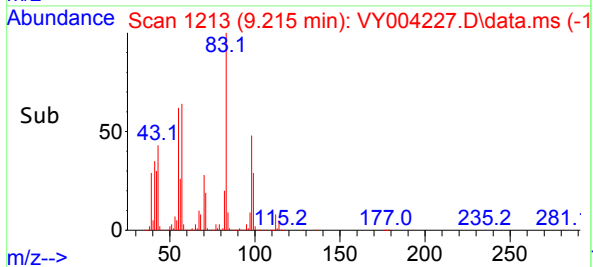
Tgt Ion:113 Resp: 24399
Ion Ratio Lower Upper
113 100
111 102.2 82.6 124.0
192 20.2 16.4 24.6



#39
Methylcyclohexane
Concen: 7067.75 ug/l
RT: 9.215 min Scan# 1213
Delta R.T. 0.030 min
Lab File: VY004227.D
Acq: 30 Mar 2021 12:09



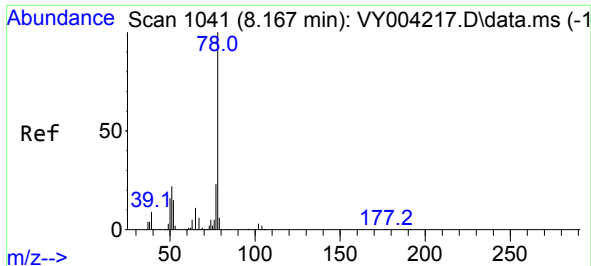
Tgt Ion: 83 Resp:27671063
Ion Ratio Lower Upper
83 100
55 76.3 60.0 90.0
98 61.4 40.2 60.2#



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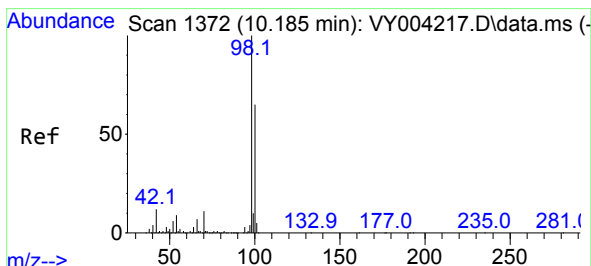
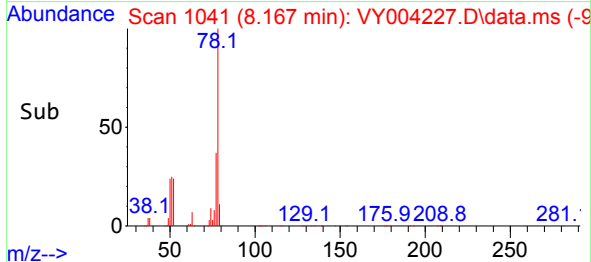
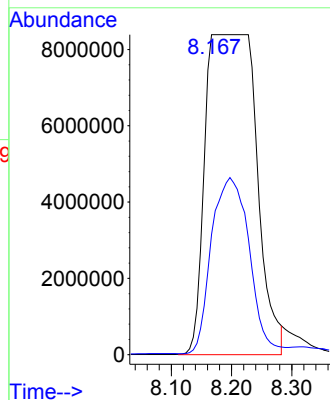
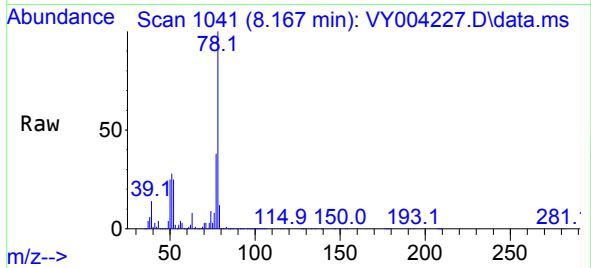
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Benzene
Concen: 5500.85 ug/l m
RT: 8.167 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY004227.D
Acq: 30 Mar 2021 12:09

Tgt Ion: 78 Resp:49304874
Ion Ratio Lower Upper
78 100
77 37.6 18.3 27.5#

Instrument :
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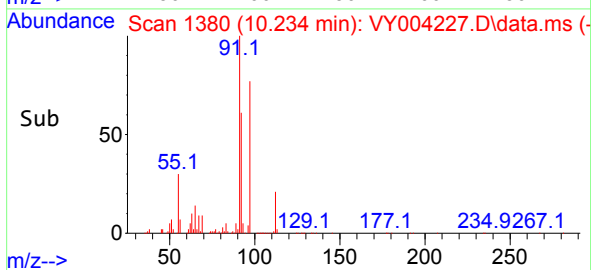
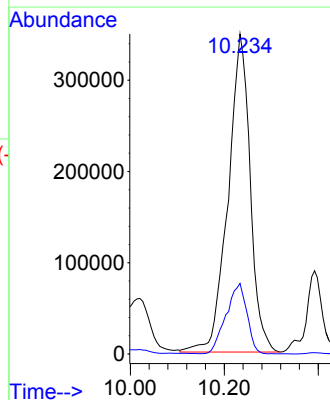
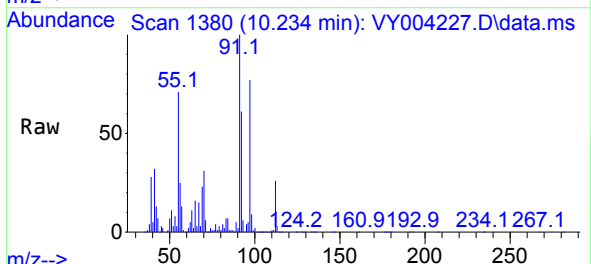
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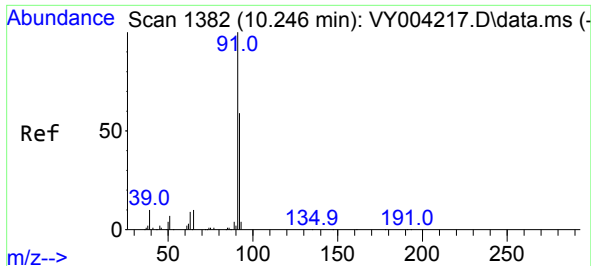
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#50
Toluene-d8
Concen: 156.83 ug/l
RT: 10.234 min Scan# 1380
Delta R.T. 0.049 min
Lab File: VY004227.D
Acq: 30 Mar 2021 12:09

Tgt Ion: 98 Resp: 1138480
Ion Ratio Lower Upper
98 100
100 20.9 52.5 78.7#





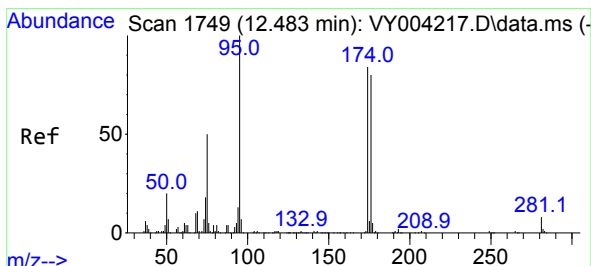
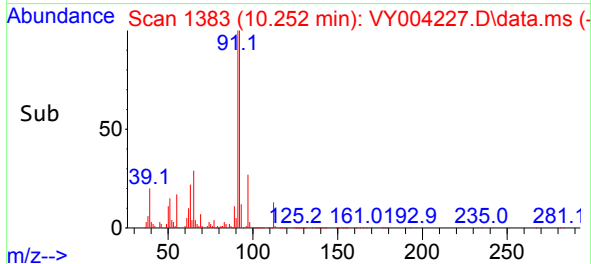
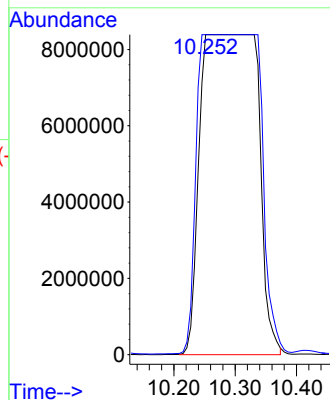
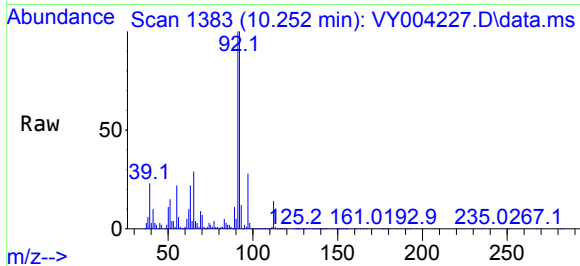
#52
Toluene
Concen: 9409.98 ug/l m
RT: 10.252 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VY004227.D
Acq: 30 Mar 2021 12:09

Tgt Ion: 92 Resp: 54227014
Ion Ratio Lower Upper
92 100
91 0.0 136.0 204.0#

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ClientSampled :
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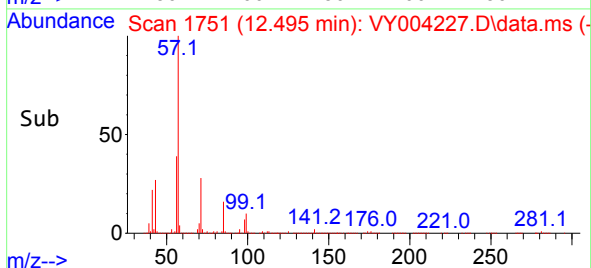
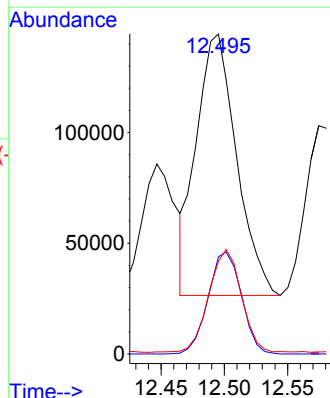
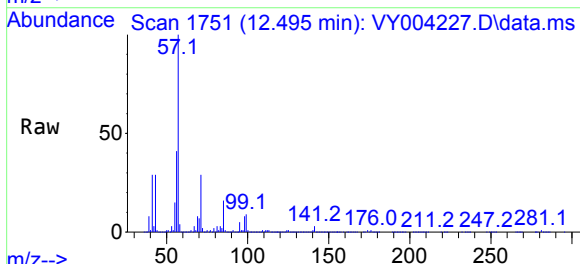
Manual Integrations
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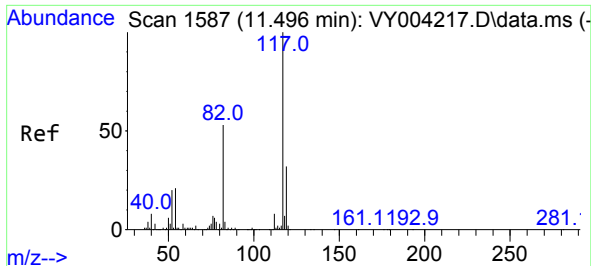
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#62
4-Bromofluorobenzene
Concen: 104.76 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.012 min
Lab File: VY004227.D
Acq: 30 Mar 2021 12:09

Tgt Ion: 95 Resp: 260641
Ion Ratio Lower Upper
95 100
174 32.3 0.0 171.4
176 32.0 0.0 165.6





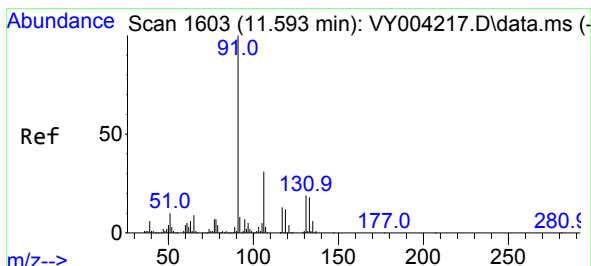
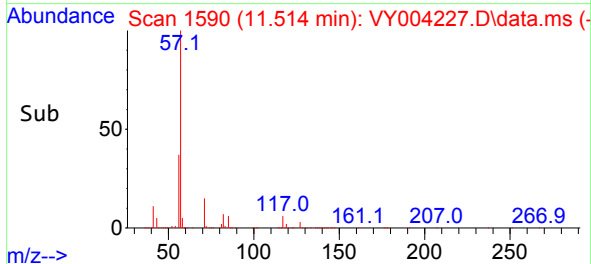
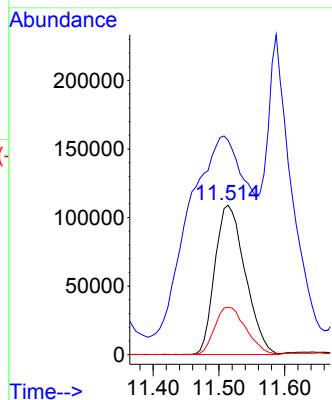
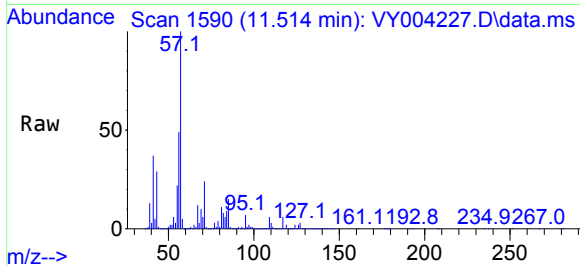
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.514 min Scan# 1590
Delta R.T. 0.018 min
Lab File: VY004227.D
Acq: 30 Mar 2021 12:09

Tgt Ion: 117 Resp: 350401
Ion Ratio Lower Upper
117 100
82 73.1 42.7 64.1#
119 31.7 25.7 38.5

Instrument :
MSVOA_Y
ClientSampled :
B4-8-10

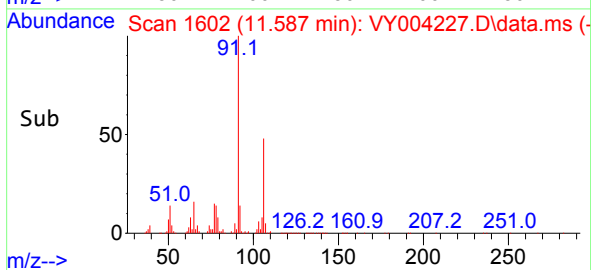
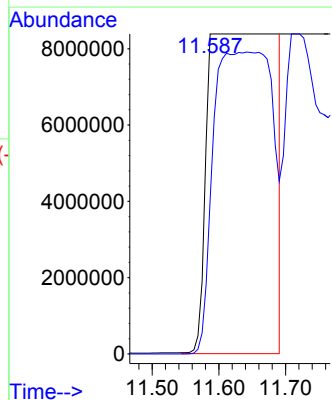
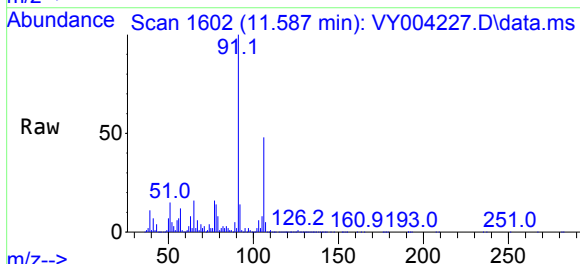
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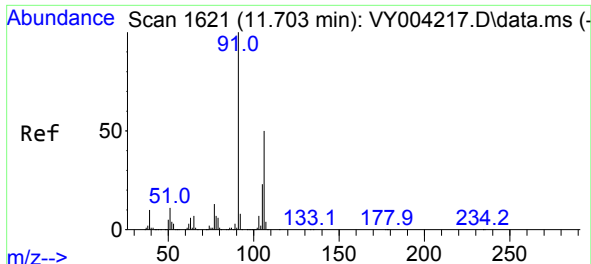
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#67
Ethyl Benzene
Concen: 4578.75 ug/l m
RT: 11.587 min Scan# 1602
Delta R.T. -0.006 min
Lab File: VY004227.D
Acq: 30 Mar 2021 12:09

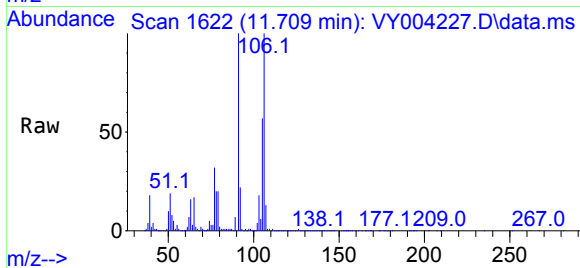
Tgt Ion: 91 Resp: 58104327
Ion Ratio Lower Upper
91 100
106 48.0 25.0 37.6#





#68
m/p-Xylenes
Concen: 10946.58 ug/l m
RT: 11.709 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VY004227.D
Acq: 30 Mar 2021 12:09

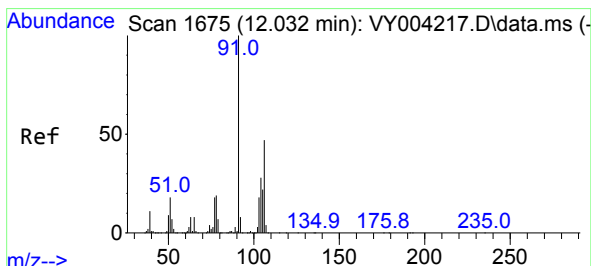
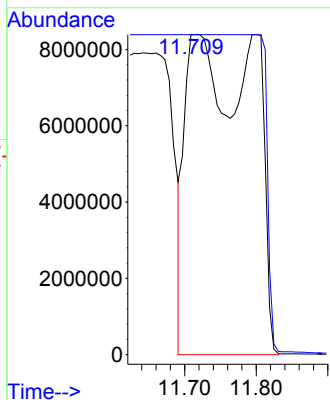
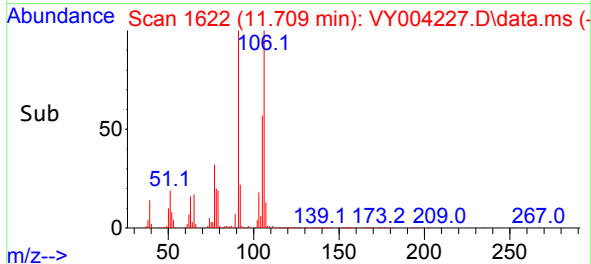
Instrument :
MSVOA_Y
ClientSampled :
B4-8-10



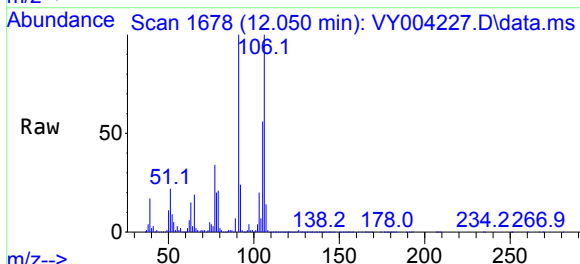
Tgt Ion:106 Resp:53338541
Ion Ratio Lower Upper
106 100
91 0.0 159.8 239.6#

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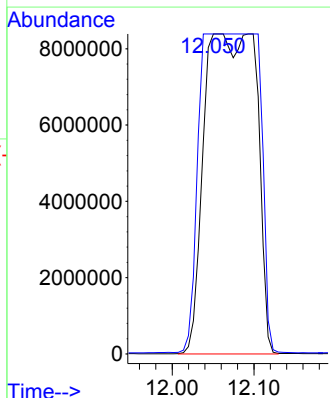
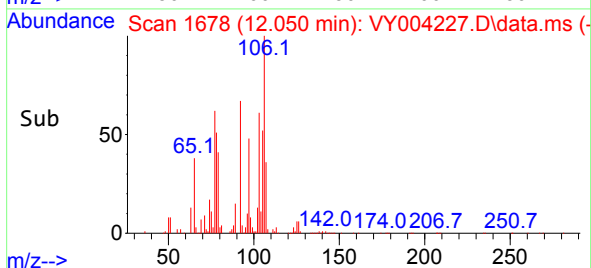
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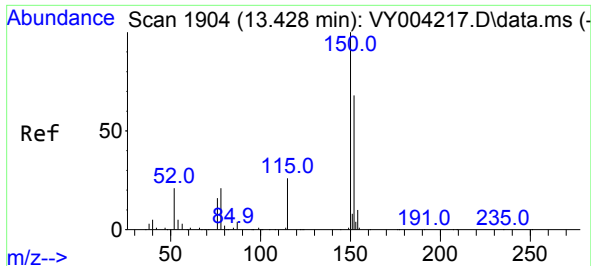


#69
o-Xylene
Concen: 8154.87 ug/l m
RT: 12.050 min Scan# 1678
Delta R.T. 0.018 min
Lab File: VY004227.D
Acq: 30 Mar 2021 12:09



Tgt Ion:106 Resp:37179439
Ion Ratio Lower Upper
106 100
91 0.0 105.6 316.8#





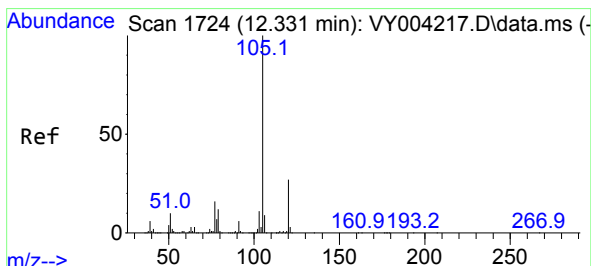
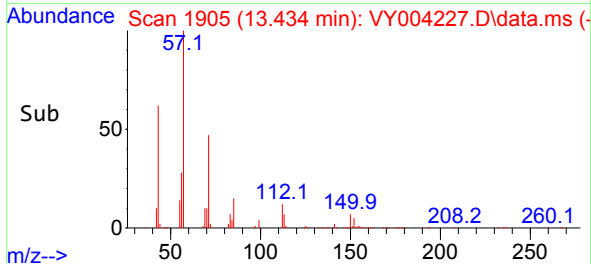
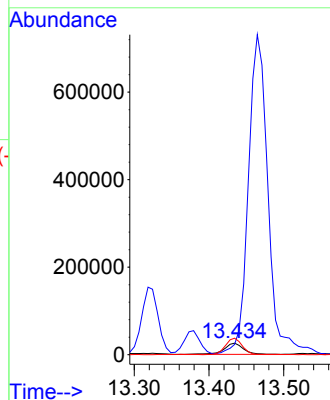
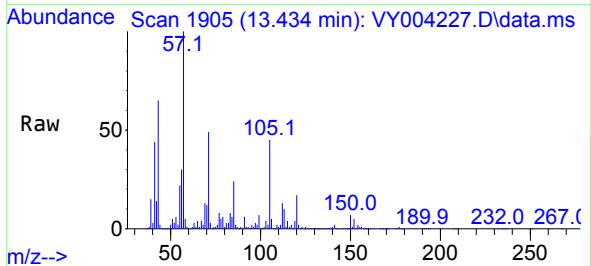
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY004227.D
Acq: 30 Mar 2021 12:09

Tgt Ion:152 Resp: 45382
Ion Ratio Lower Upper
152 100
115 0.0 29.0 87.1#
150 128.3 0.0 347.4

Instrument :
MSVOA_Y
ClientSampleId :
B4-8-10

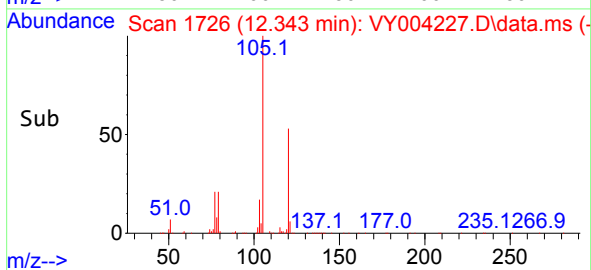
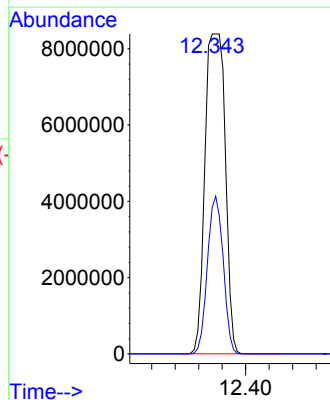
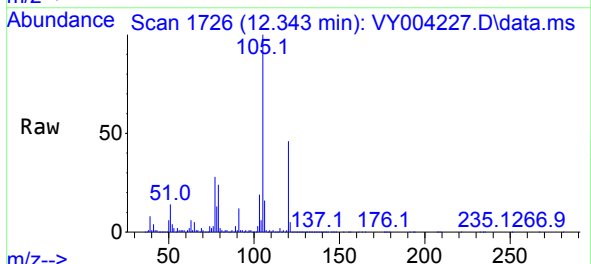
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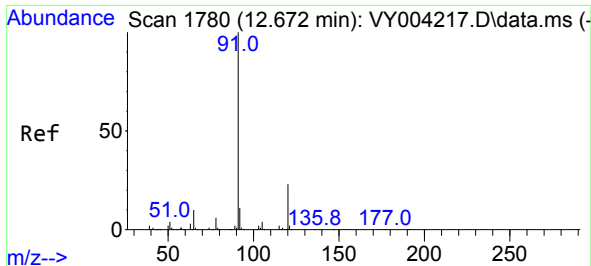
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#73
Isopropylbenzene
Concen: 6075.49 ug/l
RT: 12.343 min Scan# 1726
Delta R.T. 0.012 min
Lab File: VY004227.D
Acq: 30 Mar 2021 12:09

Tgt Ion:105 Resp:20143128
Ion Ratio Lower Upper
105 100
120 38.3 13.7 41.0





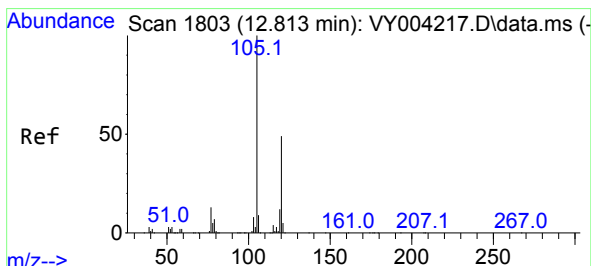
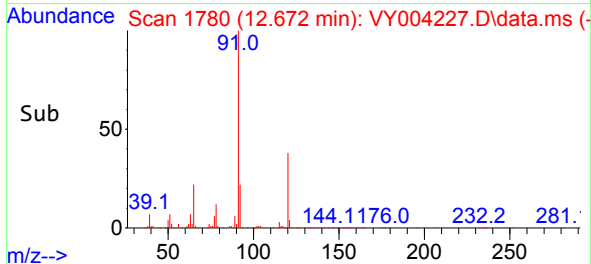
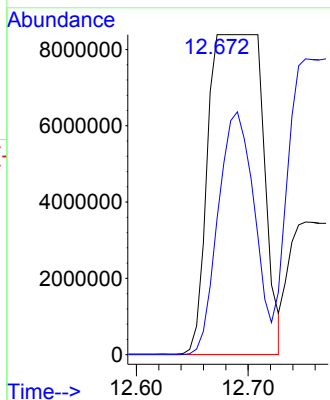
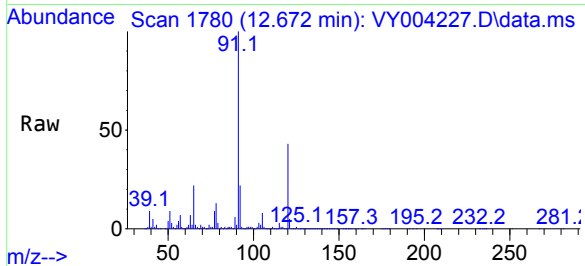
#78
n-propylbenzene
Concen: 7365.22 ug/l m
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY004227.D
Acq: 30 Mar 2021 12:09

Tgt Ion: 91 Resp:28252558
Ion Ratio Lower Upper
91 100
120 125.5 11.9 35.5#

Instrument :
MSVOA_Y
ClientSampled :
B4-8-10

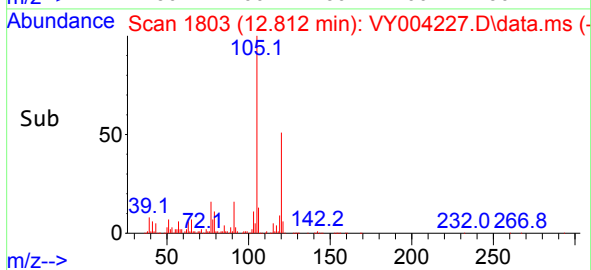
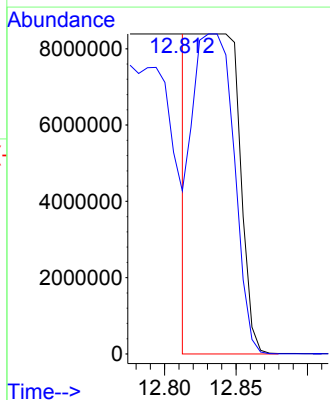
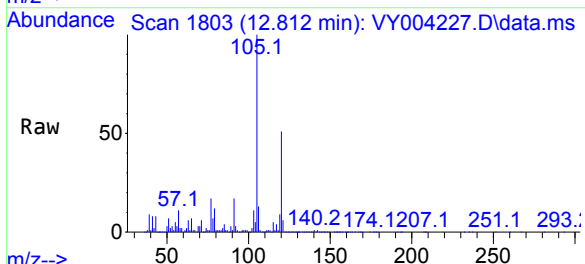
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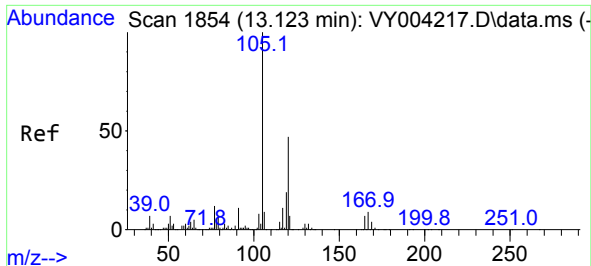
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#80
1,3,5-Trimethylbenzene
Concen: 7374.16 ug/l m
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY004227.D
Acq: 30 Mar 2021 12:09

Tgt Ion:105 Resp:19944610
Ion Ratio Lower Upper
105 100
120 0.0 24.9 74.7#





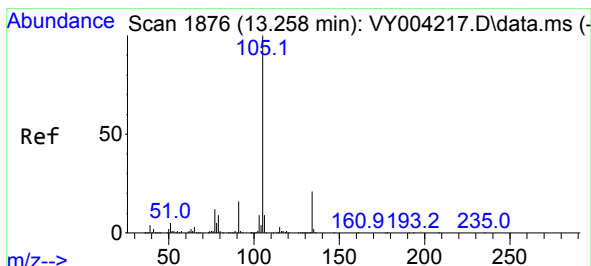
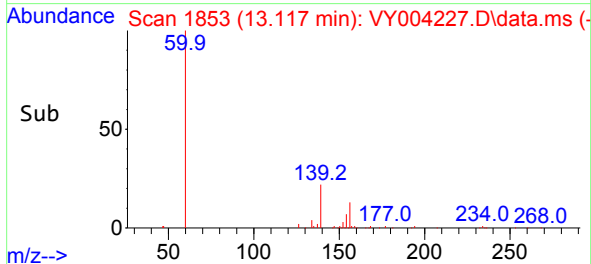
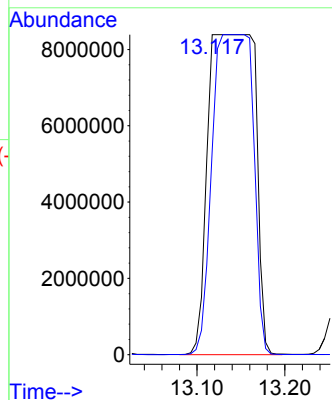
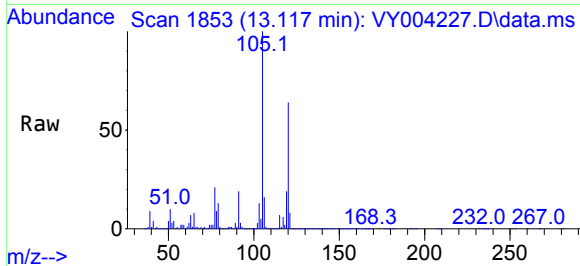
#84
1,2,4-Trimethylbenzene
Concen: 11475.85 ug/l m
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY004227.D
Acq: 30 Mar 2021 12:09

Tgt Ion:105 Resp:31132742
Ion Ratio Lower Upper
105 100
120 0.0 22.9 68.7#

Instrument :
MSVOA_Y
ClientSampled :
B4-8-10

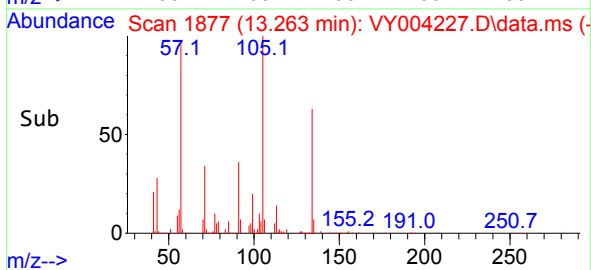
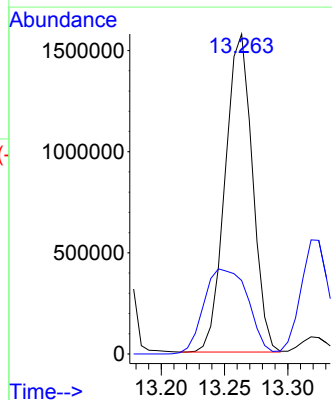
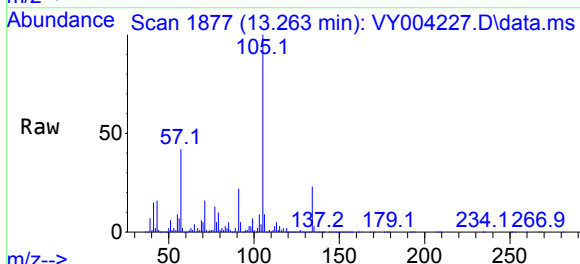
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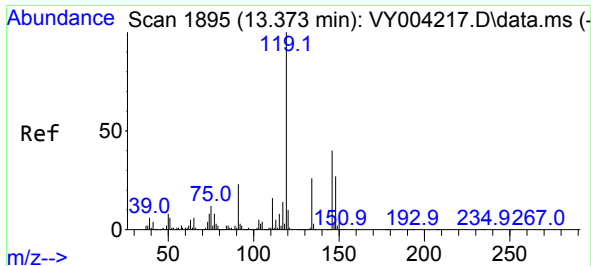
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#85
sec-Butylbenzene
Concen: 734.08 ug/l
RT: 13.263 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VY004227.D
Acq: 30 Mar 2021 12:09

Tgt Ion:105 Resp: 2361751
Ion Ratio Lower Upper
105 100
134 43.0 10.4 31.4#





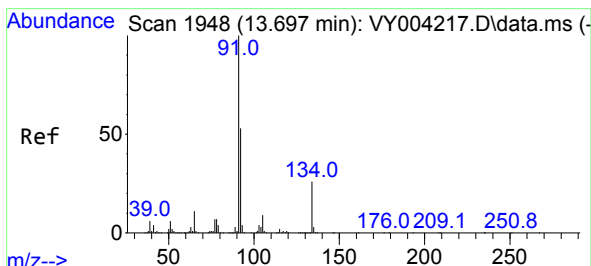
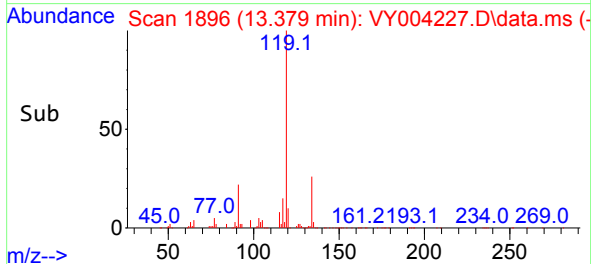
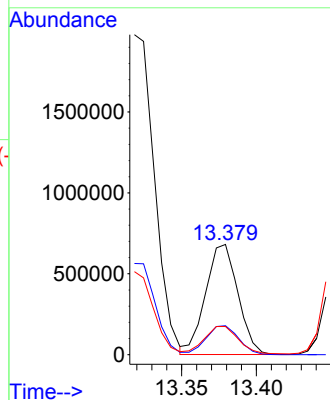
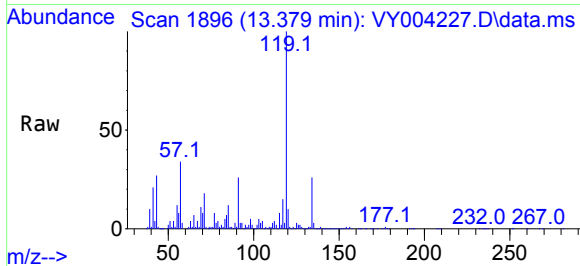
#86
p-Isopropyltoluene
Concen: 342.09 ug/l
RT: 13.379 min Scan# 1896
Delta R.T. 0.006 min
Lab File: VY004227.D
Acq: 30 Mar 2021 12:09

Tgt Ion: 119 Resp: 1023863
Ion Ratio Lower Upper
119 100
134 26.8 13.3 39.9
91 25.9 12.0 36.0

Instrument :
MSVOA_Y
ClientSampled :
B4-8-10

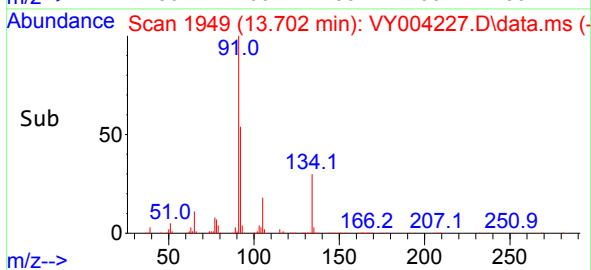
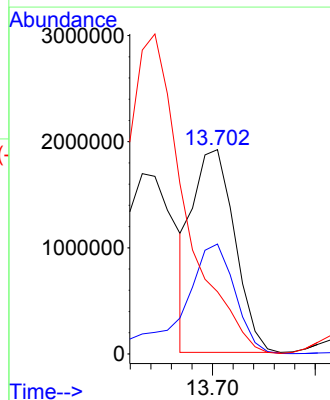
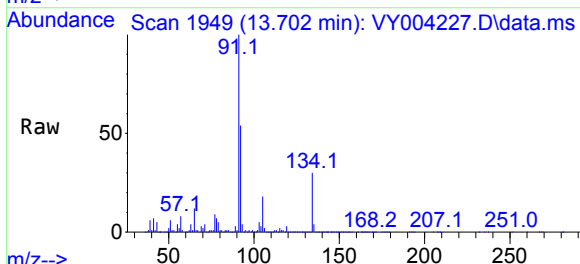
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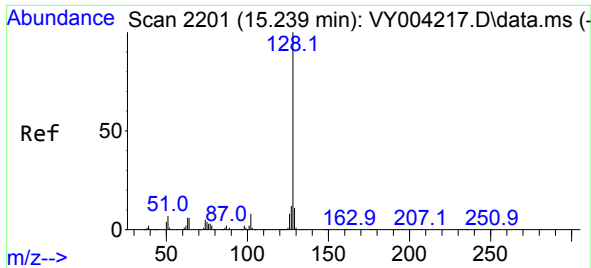
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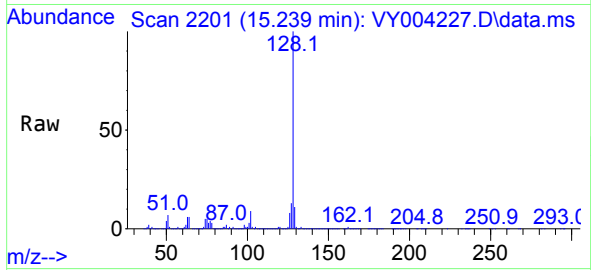
#89
n-Butylbenzene
Concen: 980.80 ug/l
RT: 13.702 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VY004227.D
Acq: 30 Mar 2021 12:09

Tgt Ion: 91 Resp: 2699425
Ion Ratio Lower Upper
91 100
92 67.0 26.5 79.4
134 0.0 13.6 40.7#



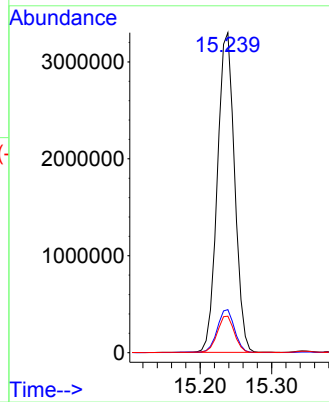
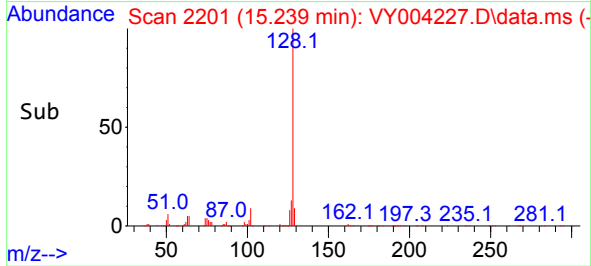


#95
Naphthalene
Concen: 2817.82 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004227.D
Acq: 30 Mar 2021 12:09



Tgt Ion:128 Resp: 5522527

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.1	15.1
129	11.3	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
B4-8-10

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